

**DATA PACKAGE
VOLATILE ORGANICS**

PROJECT NAME : USACE018-44 DOD

**FIRST ENVIRONMENT, INC.
10 Park Place, Bldg 1A, Suite 504**

**Butler, NJ - 07405
Phone No: 973-334-0003**

**ORDER ID : Q2820
ATTENTION : Al Smith**



Laboratory Certification ID # 20012



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Cover Page

Order ID : Q2820

Project ID : USACE018-44 DOD

Client : First Environment, Inc.

Lab Sample Number

Q2820-01
Q2820-02
Q2820-03
Q2820-04
Q2820-05
Q2820-06
Q2820-07
Q2820-08
Q2820-09
Q2820-10
Q2820-11
Q2820-12
Q2820-13
Q2820-14
Q2820-15
Q2820-16
Q2820-17
Q2820-18
Q2820-19
Q2820-20
Q2820-21
Q2820-22
Q2820-23
Q2820-24

Client Sample Number

82H-S
82H-W
82H-N
SOIL-DUP-1
518R-E
518R-N
518R-S
518R-W
705R-S
SOIL-DUP-2
10PC-W
10PC-S
10P-W
10P-E
10P-S
10P-N
88H-E
88H-N
88H-W
88H-S
22M-N
22M-W
22M-E
22M-S

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

Signature :

APPROVED

By Nimisha Pandya, QA/QC Supervisor at 2:42 pm, Aug 22, 2025

Date: 8/21/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

CASE NARRATIVE

First Environment, Inc.

Project Name: USACE018-44 DOD

Project # N/A

Order ID # Q2820

Test Name: VOC-TCLVOA-10

A. Number of Samples and Date of Receipt:

24 Solid samples were received on 08/08/2025.

B. Parameters

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

C. Analytical Techniques:

The analysis performed on instrument MSVOA_W were done using GC column Rxi-624SIL MS 30m, 0.25mm, 1.4 um, Cat. #13868. The analysis performed on instrument MSVOA_Y were done using GC column Rxi-624SIL MS 30m, 0.25mm, 1.4 um, Cat. #13868. The analysis of VOC-TCLVOA-10 was based on method 8260D.

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Surrogate recoveries were met for all analysis.

The Internal Standards Areas were met for all analysis.

The Retention Times were met for all analysis.

The RPD were met for all analysis.

The Blank Spike met requirements for all compounds.

The Blank Spike Duplicate met requirements for all compounds.

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

The %RSD is greater than 20% in the Initial Calibration method (82Y081225S.M) for Methylene chloride passing on Linear regression.

The Continuous Calibration File ID VW032080.D met the requirements except for 2-Hexanone, Bromoform and Dibromochloromethane are failing high but no positive hit in associate sample therefore no corrective action taken.

The Tuning criteria met requirements.

E. Additional Comments:

The Sample # 82H-W and 88H-S have the concentration of target compound below Method detection limits, therefore it is not reported as Hit in Form1.

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

Trip Blank was not provided with this set of samples.

The not QT review data is reported in the Miscellaneous.

The soil samples results are based on a dry weight basis.

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

F. Manual Integration Comments:

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

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

Signature_____

APPROVED

By Nimisha Pandya, QA/QC Supervisor at 2:42 pm, Aug 22, 2025

DATA REPORTING QUALIFIERS- ORGANIC

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

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

GC/MS VOA CONFORMANCE/NON-CONFORMANCE SUMMARY

ORDER ID: Q2820

MATRIX: Solid

METHOD: 8260D

		NA	NO	YES
1.	Chromatograms Labeled/Compounds Identified. (Field samples and Method Blanks)			✓
2.	GC/MS Tuning Specifications BFB Meet Criteria (NOTE THAT THERE ARE DIFFERENT CRITERIA FOR NY ASP CLP, CLP AND NJ)			✓
3.	GC/MS Tuning Frequency - Performed every 24 hours for 600 series and 12 hours for 8000 Series.			✓
4.	GC/MS Calibration - Initial Calibration performed before sample analysis and continuing calibration performed within 24 hours of sample analysis for 600 series and 12 hours for 8000 series.			✓
5.	GC/MS Calibration Requirements. The %RSD is greater than 20% in the Initial Calibration method (82Y081225S.M) for Methylene chloride passing on Linear regression. The Continuous Calibration File ID VW032080.D met the requirements except for 2- Hexanone,Bromoform and Dibromochloromethane are failing high but no positive hit in associate sample therefore no corrective action taken.			✓
6.	Blank Contamination - If yes, list compounds and concentrations in each blank:		✓	
7.	Surrogate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable ranges. The Surrogate recoveries were met for all analysis.		✓	
8.	Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable range.			✓
9.	Internal Standard Area/Retention Time Shift Meet Criteria Comments:			✓
10.	Analysis Holding Time Met If not met, list number of days exceeded for each sample:			✓

ADDITIONAL COMMENTS:

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

NA NO YES

The Sample # 82H-W and 88H-S have the concentration of target compound below Method detection limits, therefore it is not reported as Hit in Form1.

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

Trip Blank was not provided with this set of samples.

The not QT review data is reported in the Miscellaneous.

The soil samples results are based on a dry weight basis.

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

QA REVIEW

REVIEWED

Sohil Jodhani, QA/QC Director , 8/22/2025, 1:14:24 PM

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q2820

Completed

For thorough review, the report must have the following:

GENERAL:

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

✓

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

✓

Is the chain of custody signed and complete

✓

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

✓

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

✓

COVER PAGE:

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

✓

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

✓

CHAIN OF CUSTODY:

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

✓

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

✓

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

✓

Were the samples received within hold time

✓

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

✓

ANALYTICAL:

Was method requirement followed?

✓

Was client requirement followed?

✓

Does the case narrative summarize all QC failure?

✓

All runlogs and manual integration are reviewed for requirements

✓

All manual calculations and /or hand notations verified

✓

QA Review Signature: SOHIL JODHANI

Date: 08/21/2025

LAB CHRONICLE

OrderID:	Q2820	OrderDate:	8/11/2025 12:29:00 PM
Client:	First Environment, Inc.	Project:	USACE018-44 DOD
Contact:	Al Smith	Location:	D31,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2820-01	82H-S	SOIL	VOC-TCLVOA-10	8260D	08/06/25		08/19/25	08/08/25
Q2820-02	82H-W	SOIL	VOC-TCLVOA-10	8260D	08/06/25		08/14/25	08/08/25
Q2820-03	82H-N	SOIL	VOC-TCLVOA-10	8260D	08/06/25		08/14/25	08/08/25
Q2820-04	SOIL-DUP-1	SOIL	VOC-TCLVOA-10	8260D	08/06/25		08/14/25	08/08/25
Q2820-05	518R-E	SOIL	VOC-TCLVOA-10	8260D	08/07/25		08/14/25	08/08/25
Q2820-06	518R-N	SOIL	VOC-TCLVOA-10	8260D	08/07/25		08/14/25	08/08/25
Q2820-07	518R-S	SOIL	VOC-TCLVOA-10	8260D	08/07/25		08/14/25	08/08/25
Q2820-08	518R-W	SOIL	VOC-TCLVOA-10	8260D	08/07/25		08/14/25	08/08/25
Q2820-09	705R-S	SOIL	VOC-TCLVOA-10	8260D	08/07/25		08/14/25	08/08/25
Q2820-10	SOIL-DUP-2	SOIL	VOC-TCLVOA-10	8260D	08/07/25		08/14/25	08/08/25
Q2820-11	10PC-W	SOIL	VOC-TCLVOA-10	8260D	08/07/25		08/14/25	08/08/25
Q2820-12	10PC-S	SOIL			08/07/25			08/08/25

LAB CHRONICLE

			VOC-TCLVOA-10	8260D		08/14/25	
Q2820-13	10P-W	SOIL			08/07/25		08/08/25
			VOC-TCLVOA-10	8260D		08/14/25	
Q2820-14	10P-E	SOIL			08/07/25		08/08/25
			VOC-TCLVOA-10	8260D		08/14/25	
Q2820-15	10P-S	SOIL			08/07/25		08/08/25
			VOC-TCLVOA-10	8260D		08/19/25	
Q2820-16	10P-N	SOIL			08/07/25		08/08/25
			VOC-TCLVOA-10	8260D		08/14/25	
Q2820-17	88H-E	SOIL			08/08/25		08/08/25
			VOC-TCLVOA-10	8260D		08/14/25	
Q2820-18	88H-N	SOIL			08/08/25		08/08/25
			VOC-TCLVOA-10	8260D		08/14/25	
Q2820-19	88H-W	SOIL			08/08/25		08/08/25
			VOC-TCLVOA-10	8260D		08/14/25	
Q2820-20	88H-S	SOIL			08/08/25		08/08/25
			VOC-TCLVOA-10	8260D		08/14/25	
Q2820-21	22M-N	SOIL			08/08/25		08/08/25
			VOC-TCLVOA-10	8260D		08/15/25	
Q2820-22	22M-W	SOIL			08/08/25		08/08/25
			VOC-TCLVOA-10	8260D		08/15/25	
Q2820-23	22M-E	SOIL			08/08/25		08/08/25
			VOC-TCLVOA-10	8260D		08/19/25	
Q2820-24	22M-S	SOIL			08/08/25		08/08/25
			VOC-TCLVOA-10	8260D		08/15/25	

Hit Summary Sheet
SW-846

SDG No.: Q2820

Client: First Environment, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID:	82H-W								
Q2820-02	82H-W	SOIL	Acetone	30.4		3.60	15.1	18.9	ug/Kg
Q2820-02	82H-W	SOIL	Carbon Disulfide	2.20	J	0.80	3.00	3.80	ug/Kg
Q2820-02	82H-W	SOIL	Methylene Chloride	4.60	J	2.70	6.00	7.60	ug/Kg
			Total Voc :	37.2					
Q2820-02	82H-W	SOIL	unknown12.928	* 6.40	J	0		0	ug/Kg
			Total Tics :	6.40					
			Total Concentration:	43.6					
Client ID:	82H-N								
Q2820-03	82H-N	SOIL	Acetone	12.1	J	3.60	15.0	18.8	ug/Kg
Q2820-03	82H-N	SOIL	Methylene Chloride	4.70	J	2.70	6.00	7.50	ug/Kg
			Total Voc :	16.8					
			Total Concentration:	16.8					
Client ID:	518R-E								
Q2820-05	518R-E	SOIL	Acetone	190		9.90	41.6	52.0	ug/Kg
Q2820-05	518R-E	SOIL	Methylene Chloride	11.0	J	7.30	16.6	20.8	ug/Kg
Q2820-05	518R-E	SOIL	2-Butanone	36.3	J	13.6	41.6	52.0	ug/Kg
			Total Voc :	237					
			Total Concentration:	237					
Client ID:	518R-N								
Q2820-06	518R-N	SOIL	Acetone	180		8.80	37.1	46.4	ug/Kg
Q2820-06	518R-N	SOIL	Carbon Disulfide	35.5		2.00	7.40	9.30	ug/Kg
			Total Voc :	216					
			Total Concentration:	216					
Client ID:	518R-W								
Q2820-08	518R-W	SOIL	Acetone	33.9		3.70	15.7	19.7	ug/Kg
Q2820-08	518R-W	SOIL	Methylene Chloride	6.60	J	2.80	6.30	7.90	ug/Kg
			Total Voc :	40.5					
			Total Concentration:	40.5					
Client ID:	705R-S								
Q2820-09	705R-S	SOIL	Acetone	30.8	J	6.60	28.0	35.0	ug/Kg
			Total Voc :	30.8					
			Total Concentration:	30.8					
Client ID:	SOIL-DUP-2								
Q2820-10	SOIL-DUP-2	SOIL	Acetone	91.9		9.10	38.3	47.9	ug/Kg
Q2820-10	SOIL-DUP-2	SOIL	Carbon Disulfide	6.60	J	2.00	7.70	9.60	ug/Kg
			Total Voc :	98.5					
			Total Concentration:	98.5					
Client ID:	10P-W								
Q2820-13	10P-W	SOIL	Acetone	9.30	J	2.80	12.0	15.0	ug/Kg

Hit Summary Sheet
SW-846

SDG No.: Q2820

Client: First Environment, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Q2820-13	10P-W	SOIL	Methylene Chloride	3.30	J	2.10	4.80	6.00	ug/Kg
			Total Voc :	12.6					
			Total Concentration:	12.6					
Client ID:	10P-S								
Q2820-15	10P-S	SOIL	unknown12.651	* 6.90	J	0		0	ug/Kg
Q2820-15	10P-S	SOIL	unknown12.730	* 15.0	J	0		0	ug/Kg
Q2820-15	10P-S	SOIL	Naphthalene, decahydro-	* 19.2	J	0		0	ug/Kg
Q2820-15	10P-S	SOIL	Cyclohexane, (2-methylpropyl)	* 13.5	J	0		0	ug/Kg
Q2820-15	10P-S	SOIL	Naphthalene, decahydro-2-metl	* 12.8	J	0		0	ug/Kg
Q2820-15	10P-S	SOIL	2-Octene, 2,6-dimethyl-	* 11.5	J	0		0	ug/Kg
Q2820-15	10P-S	SOIL	1-Ethyl-2,2,6-trimethylcyclohe:	* 6.10	J	0		0	ug/Kg
Q2820-15	10P-S	SOIL	cis-Decalin, 2-syn-methyl-	* 6.20	J	0		0	ug/Kg
Q2820-15	10P-S	SOIL	3,4-Dimethylpent-2-en-1-ol	* 9.20	J	0		0	ug/Kg
Q2820-15	10P-S	SOIL	Isobutyl undecyl carbonate	* 6.60	J	0		0	ug/Kg
			Total Tics :	107					
			Total Concentration:	107					
Client ID:	88H-N								
Q2820-18	88H-N	SOIL	Acetone	64.0		3.60	15.3	19.1	ug/Kg
Q2820-18	88H-N	SOIL	2-Butanone	6.70	J	5.00	15.3	19.1	ug/Kg
			Total Voc :	70.7					
			Total Concentration:	70.7					
Client ID:	88H-W								
Q2820-19	88H-W	SOIL	Acetone	58.9		2.80	11.7	14.7	ug/Kg
Q2820-19	88H-W	SOIL	Methylene Chloride	3.80	J	2.10	4.70	5.90	ug/Kg
Q2820-19	88H-W	SOIL	2-Butanone	5.50	J	3.80	11.7	14.7	ug/Kg
			Total Voc :	68.2					
			Total Concentration:	68.2					
Client ID:	88H-S								
Q2820-20	88H-S	SOIL	Acetone	47.3		3.20	13.5	16.9	ug/Kg
			Total Voc :	47.3					
Q2820-20	88H-S	SOIL	Dimethyl sulfide	* 4.30	J	0		0	ug/Kg
			Total Tics :	4.30					
			Total Concentration:	51.6					
Client ID:	22M-W								
Q2820-22	22M-W	SOIL	Acetone	18.1	J	5.50	23.4	29.2	ug/Kg
Q2820-22	22M-W	SOIL	Carbon Disulfide	4.70	J	1.20	4.70	5.80	ug/Kg
			Total Voc :	22.8					
			Total Concentration:	22.8					
Client ID:	22M-S								
Q2820-24	22M-S	SOIL	Acetone	8.00	J	4.40	18.8	23.4	ug/Kg

Hit Summary Sheet
SW-846

SDG No.: Q2820

Client: First Environment, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Q2820-24	22M-S	SOIL	Carbon Disulfide	2.60	J	0.99	3.80	4.70	ug/Kg
			Total Voc :	10.6					
Q2820-24	22M-S	SOIL	unknown15.505	* 150	J	0		0	ug/Kg
Q2820-24	22M-S	SOIL	Naphthalene, decahydro-	* 91.7	J	0		0	ug/Kg
Q2820-24	22M-S	SOIL	Dodecane	* 64.1	J	0		0	ug/Kg
Q2820-24	22M-S	SOIL	Tridecane	* 100	J	0		0	ug/Kg
Q2820-24	22M-S	SOIL	Octane, 2,6-dimethyl-	* 310	J	0		0	ug/Kg
Q2820-24	22M-S	SOIL	1-Methyldecahydronaphthalene	* 91.3	J	0		0	ug/Kg
Q2820-24	22M-S	SOIL	Naphthalene, decahydro-2-metl	* 150	J	0		0	ug/Kg
Q2820-24	22M-S	SOIL	Dodecane, 2,6,10-trimethyl-	* 100	J	0		0	ug/Kg
Q2820-24	22M-S	SOIL	Undecane, 2,6-dimethyl-	* 250	J	0		0	ug/Kg
Q2820-24	22M-S	SOIL	Decahydro-1,1,4a,5,6-pentamet	* 120	J	0		0	ug/Kg
			Total Tics :	1430					
			Total Concentration:	1440					



QC SUMMARY

- 1
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Surrogate Summary

SDG No.: **Q2820**

Client: **First Environment, Inc.**

Analytical Method: **SW8260D**

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%)	
							Low	High
Q2820-01	82H-S	1,2-Dichloroethane-d4	50	52.2	104		71	136
		Dibromofluoromethane	50	51.1	102		78	119
		Toluene-d8	50	50.7	101		85	116
		4-Bromofluorobenzene	50	42.2	84		79	119
Q2820-02	82H-W	1,2-Dichloroethane-d4	50	58.2	116		71	136
		Dibromofluoromethane	50	55.5	111		78	119
		Toluene-d8	50	50.8	102		85	116
		4-Bromofluorobenzene	50	51.6	103		79	119
Q2820-03	82H-N	1,2-Dichloroethane-d4	50	57.5	115		71	136
		Dibromofluoromethane	50	55.6	111		78	119
		Toluene-d8	50	52.2	104		85	116
		4-Bromofluorobenzene	50	52.2	104		79	119
Q2820-04	SOIL-DUP-1	1,2-Dichloroethane-d4	50	58.1	116		71	136
		Dibromofluoromethane	50	56.6	113		78	119
		Toluene-d8	50	51.4	103		85	116
		4-Bromofluorobenzene	50	50.7	101		79	119
Q2820-05	518R-E	1,2-Dichloroethane-d4	50	59.5	119		71	136
		Dibromofluoromethane	50	56.2	112		78	119
		Toluene-d8	50	50.2	100		85	116
		4-Bromofluorobenzene	50	47.2	94		79	119
Q2820-06	518R-N	1,2-Dichloroethane-d4	50	54.5	109		71	136
		Dibromofluoromethane	50	54.8	110		78	119
		Toluene-d8	50	48.4	97		85	116
		4-Bromofluorobenzene	50	41.0	82		79	119
Q2820-07	518R-S	1,2-Dichloroethane-d4	50	57.2	114		71	136
		Dibromofluoromethane	50	54.7	109		78	119
		Toluene-d8	50	48.0	96		85	116
		4-Bromofluorobenzene	50	45.9	92		79	119
Q2820-08	518R-W	1,2-Dichloroethane-d4	50	59.0	118		71	136
		Dibromofluoromethane	50	59.4	119		78	119
		Toluene-d8	50	53.0	106		85	116
		4-Bromofluorobenzene	50	50.8	102		79	119
Q2820-09	705R-S	1,2-Dichloroethane-d4	50	65.6	131		71	136
		Dibromofluoromethane	50	55.3	111		78	119
		Toluene-d8	50	48.7	97		85	116
		4-Bromofluorobenzene	50	48.8	98		79	119
Q2820-10	SOIL-DUP-2	1,2-Dichloroethane-d4	50	59.4	119		71	136
		Dibromofluoromethane	50	56.6	113		78	119
		Toluene-d8	50	50.1	100		85	116
		4-Bromofluorobenzene	50	43.7	87		79	119
Q2820-11	10PC-W	1,2-Dichloroethane-d4	50	59.8	120		71	136
		Dibromofluoromethane	50	55.3	111		78	119
		Toluene-d8	50	50.3	101		85	116
		4-Bromofluorobenzene	50	52.7	105		79	119
Q2820-12	10PC-S	1,2-Dichloroethane-d4	50	57.1	114		71	136
		Dibromofluoromethane	50	56.8	114		78	119
		Toluene-d8	50	50.7	101		85	116
		4-Bromofluorobenzene	50	50.6	101		79	119
Q2820-13	10P-W	1,2-Dichloroethane-d4	50	54.2	108		71	136
		Dibromofluoromethane	50	52.8	106		78	119

Surrogate Summary

SDG No.: **Q2820**

Client: **First Environment, Inc.**

Analytical Method: **SW8260D**

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%)	
							Low	High
Q2820-13	10P-W	Toluene-d8	50	46.6	93		85	116
		4-Bromofluorobenzene	50	45.5	91		79	119
Q2820-14	10P-E	1,2-Dichloroethane-d4	50	61.1	122		71	136
		Dibromofluoromethane	50	53.0	106		78	119
		Toluene-d8	50	47.6	95		85	116
		4-Bromofluorobenzene	50	45.1	90		79	119
Q2820-15	10P-S	1,2-Dichloroethane-d4	50	53.2	106		71	136
		Dibromofluoromethane	50	52.6	105		78	119
		Toluene-d8	50	51.2	102		85	116
		4-Bromofluorobenzene	50	50.2	100		79	119
Q2820-16	10P-N	1,2-Dichloroethane-d4	50	59.6	119		71	136
		Dibromofluoromethane	50	55.1	110		78	119
		Toluene-d8	50	50.5	101		85	116
		4-Bromofluorobenzene	50	51.5	103		79	119
Q2820-17	88H-E	1,2-Dichloroethane-d4	50	60.2	120		71	136
		Dibromofluoromethane	50	55.2	110		78	119
		Toluene-d8	50	49.1	98		85	116
		4-Bromofluorobenzene	50	48.8	98		79	119
Q2820-18	88H-N	1,2-Dichloroethane-d4	50	58.4	117		71	136
		Dibromofluoromethane	50	55.7	111		78	119
		Toluene-d8	50	50.5	101		85	116
		4-Bromofluorobenzene	50	53.0	106		79	119
Q2820-19	88H-W	1,2-Dichloroethane-d4	50	59.5	119		71	136
		Dibromofluoromethane	50	54.5	109		78	119
		Toluene-d8	50	50.2	100		85	116
		4-Bromofluorobenzene	50	50.0	100		79	119
Q2820-20	88H-S	1,2-Dichloroethane-d4	50	60.4	121		71	136
		Dibromofluoromethane	50	55.3	111		78	119
		Toluene-d8	50	49.9	100		85	116
		4-Bromofluorobenzene	50	48.3	97		79	119
Q2820-21	22M-N	1,2-Dichloroethane-d4	50	57.1	114		71	136
		Dibromofluoromethane	50	52.7	105		78	119
		Toluene-d8	50	51.8	104		85	116
		4-Bromofluorobenzene	50	48.4	97		79	119
Q2820-22	22M-W	1,2-Dichloroethane-d4	50	60.8	122		71	136
		Dibromofluoromethane	50	52.8	106		78	119
		Toluene-d8	50	51.5	103		85	116
		4-Bromofluorobenzene	50	42.6	85		79	119
Q2820-23	22M-E	1,2-Dichloroethane-d4	50	57.1	114		71	136
		Dibromofluoromethane	50	52.7	105		78	119
		Toluene-d8	50	50.8	102		85	116
		4-Bromofluorobenzene	50	41.5	83		79	119
Q2820-24	22M-S	1,2-Dichloroethane-d4	50	55.7	111		71	136
		Dibromofluoromethane	50	51.4	103		78	119
		Toluene-d8	50	51.0	102		85	116
		4-Bromofluorobenzene	50	48.3	97		79	119
VW0814SBL01	VW0814SBL01	1,2-Dichloroethane-d4	50	54.7	109		71	136
		Dibromofluoromethane	50	54.7	109		78	119
		Toluene-d8	50	49.3	99		85	116
		4-Bromofluorobenzene	50	46.6	93		79	119

Surrogate Summary

SDG No.: **Q2820**

Client: **First Environment, Inc.**

Analytical Method: **SW8260D**

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%)	
							Low	High
VW0814SBS01	VW0814SBS01	1,2-Dichloroethane-d4	50	49.2	98		71	136
		Dibromofluoromethane	50	53.4	107		78	119
		Toluene-d8	50	51.8	104		85	116
		4-Bromofluorobenzene	50	49.2	98		79	119
VW0814SBSD0	VW0814SBSD01	1,2-Dichloroethane-d4	50	46.8	94		71	136
		Dibromofluoromethane	50	50.5	101		78	119
		Toluene-d8	50	50.1	100		85	116
		4-Bromofluorobenzene	50	49.6	99		79	119
VY0815SBL01	VY0815SBL01	1,2-Dichloroethane-d4	50	59.8	120		71	136
		Dibromofluoromethane	50	52.7	105		78	119
		Toluene-d8	50	52.4	105		85	116
		4-Bromofluorobenzene	50	47.5	95		79	119
VY0815SBS01	VY0815SBS01	1,2-Dichloroethane-d4	50	51.7	103		71	136
		Dibromofluoromethane	50	49.3	99		78	119
		Toluene-d8	50	50.2	100		85	116
		4-Bromofluorobenzene	50	48.5	97		79	119
VY0819SBL01	VY0819SBL01	1,2-Dichloroethane-d4	50	53.4	107		71	136
		Dibromofluoromethane	50	52.4	105		78	119
		Toluene-d8	50	51.3	103		85	116
		4-Bromofluorobenzene	50	49.5	99		79	119
VY0819SBS01	VY0819SBS01	1,2-Dichloroethane-d4	50	47.4	95		71	136
		Dibromofluoromethane	50	48.6	97		78	119
		Toluene-d8	50	49.6	99		85	116
		4-Bromofluorobenzene	50	48.5	97		79	119

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SDG No.:	Q2820	SW-846	Analytical Method:	SW8260D
Client:	First Environment, Inc.	Datafile :	VW032082.D	

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VW0814SBS01	Dichlorodifluoromethane	20	22.1	ug/Kg	111			29	149	
	Chloromethane	20	18.3	ug/Kg	92			50	136	
	Vinyl chloride	20	19.6	ug/Kg	98			56	135	
	Bromomethane	20	21.7	ug/Kg	109			53	143	
	Chloroethane	20	20.2	ug/Kg	101			59	139	
	Trichlorofluoromethane	20	18.9	ug/Kg	95			62	140	
	1,1,2-Trichlorotrifluoroethane	20	21.9	ug/Kg	110			66	136	
	1,1-Dichloroethene	20	21.4	ug/Kg	107			70	131	
	Acetone	100	120	ug/Kg	120			36	164	
	Carbon disulfide	20	17.5	ug/Kg	88			63	132	
	Methyl tert-butyl Ether	20	18.1	ug/Kg	91			73	125	
	Methyl Acetate	20	17.2	ug/Kg	86			53	144	
	Methylene Chloride	20	17.6	ug/Kg	88			70	128	
	trans-1,2-Dichloroethene	20	18.6	ug/Kg	93			74	125	
	1,1-Dichloroethane	20	18.2	ug/Kg	91			76	125	
	Cyclohexane	20	17.3	ug/Kg	86			67	131	
	2-Butanone	100	95.6	ug/Kg	96			51	148	
	Carbon Tetrachloride	20	22.1	ug/Kg	111			70	135	
	cis-1,2-Dichloroethene	20	18.9	ug/Kg	95			77	123	
	Bromochloromethane	20	19.2	ug/Kg	96			78	125	
	Chloroform	20	19.6	ug/Kg	98			78	123	
	1,1,1-Trichloroethane	20	19.4	ug/Kg	97			73	130	
	Methylcyclohexane	20	18.8	ug/Kg	94			66	133	
	Benzene	20	20.4	ug/Kg	102			77	121	
	1,2-Dichloroethane	20	22.0	ug/Kg	110			73	128	
	Trichloroethene	20	20.6	ug/Kg	103			77	123	
	1,2-Dichloropropane	20	19.8	ug/Kg	99			76	123	
	Bromodichloromethane	20	21.2	ug/Kg	106			75	127	
	4-Methyl-2-Pentanone	100	100	ug/Kg	100			65	135	
	Toluene	20	20.6	ug/Kg	103			77	121	
	t-1,3-Dichloropropene	20	19.3	ug/Kg	97			71	130	
	cis-1,3-Dichloropropene	20	20.0	ug/Kg	100			74	126	
	1,1,2-Trichloroethane	20	20.7	ug/Kg	104			78	121	
	2-Hexanone	100	100	ug/Kg	100			53	145	
	Dibromochloromethane	20	21.7	ug/Kg	109			74	126	
	1,2-Dibromoethane	20	21.0	ug/Kg	105			78	122	
	Tetrachloroethene	20	21.5	ug/Kg	108			73	128	
	Chlorobenzene	20	20.4	ug/Kg	102			79	120	
	Ethyl Benzene	20	20.2	ug/Kg	101			76	122	
	m/p-Xylenes	40	40.1	ug/Kg	100			77	124	
	o-Xylene	20	19.8	ug/Kg	99			77	123	
	Styrene	20	20.1	ug/Kg	101			76	124	
	Bromoform	20	22.1	ug/Kg	111			67	132	
	Isopropylbenzene	20	19.3	ug/Kg	97			68	134	
	1,1,2,2-Tetrachloroethane	20	19.2	ug/Kg	96			70	124	
	1,3-Dichlorobenzene	20	21.5	ug/Kg	108			77	121	
	1,4-Dichlorobenzene	20	19.4	ug/Kg	97			75	120	
	1,2-Dichlorobenzene	20	21.0	ug/Kg	105			78	121	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

		SW-846	
SDG No.:	<u>Q2820</u>	Analytical Method:	<u>SW8260D</u>
Client:	<u>First Environment, Inc.</u>	Datafile :	<u>VW032082.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VW0814SBS01	1,2-Dibromo-3-Chloropropane	20	18.1	ug/Kg	91			61	132	
	1,2,4-Trichlorobenzene	20	19.4	ug/Kg	97			67	129	
	1,2,3-Trichlorobenzene	20	20.0	ug/Kg	100			66	130	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SDG No.:	Q2820	SW-846	Analytical Method:	SW8260D
Client:	First Environment, Inc.	Datafile :	VW032083.D	

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VW0814SBSD01	Dichlorodifluoromethane	20	21.3	ug/Kg	106	5		29	149	20
	Chloromethane	20	17.8	ug/Kg	89	3		50	136	20
	Vinyl chloride	20	19.7	ug/Kg	99	1		56	135	20
	Bromomethane	20	22.1	ug/Kg	111	2		53	143	20
	Chloroethane	20	20.3	ug/Kg	102	1		59	139	20
	Trichlorofluoromethane	20	19.4	ug/Kg	97	2		62	140	20
	1,1,2-Trichlorotrifluoroethane	20	22.3	ug/Kg	112	2		66	136	20
	1,1-Dichloroethene	20	20.9	ug/Kg	104	3		70	131	20
	Acetone	100	120	ug/Kg	120	0		36	164	20
	Carbon disulfide	20	17.3	ug/Kg	86	2		63	132	20
	Methyl tert-butyl Ether	20	17.8	ug/Kg	89	2		73	125	20
	Methyl Acetate	20	15.8	ug/Kg	79	8		53	144	20
	Methylene Chloride	20	17.3	ug/Kg	86	2		70	128	20
	trans-1,2-Dichloroethene	20	18.4	ug/Kg	92	1		74	125	20
	1,1-Dichloroethane	20	18.3	ug/Kg	92	1		76	125	20
	Cyclohexane	20	17.4	ug/Kg	87	1		67	131	20
	2-Butanone	100	92.0	ug/Kg	92	4		51	148	20
	Carbon Tetrachloride	20	21.4	ug/Kg	107	4		70	135	20
	cis-1,2-Dichloroethene	20	18.9	ug/Kg	95	0		77	123	20
	Bromochloromethane	20	18.3	ug/Kg	92	4		78	125	20
	Chloroform	20	19.2	ug/Kg	96	2		78	123	20
	1,1,1-Trichloroethane	20	19.4	ug/Kg	97	0		73	130	20
	Methylcyclohexane	20	19.4	ug/Kg	97	3		66	133	20
	Benzene	20	20.0	ug/Kg	100	2		77	121	20
	1,2-Dichloroethane	20	20.6	ug/Kg	103	7		73	128	20
	Trichloroethene	20	20.8	ug/Kg	104	1		77	123	20
	1,2-Dichloropropane	20	19.5	ug/Kg	98	1		76	123	20
	Bromodichloromethane	20	20.6	ug/Kg	103	3		75	127	20
	4-Methyl-2-Pentanone	100	96.9	ug/Kg	97	3		65	135	20
	Toluene	20	20.3	ug/Kg	102	1		77	121	20
	t-1,3-Dichloropropene	20	19.1	ug/Kg	96	1		71	130	20
	cis-1,3-Dichloropropene	20	19.4	ug/Kg	97	3		74	126	20
	1,1,2-Trichloroethane	20	20.0	ug/Kg	100	4		78	121	20
	2-Hexanone	100	97.4	ug/Kg	97	3		53	145	20
	Dibromochloromethane	20	20.9	ug/Kg	104	5		74	126	20
	1,2-Dibromoethane	20	20.0	ug/Kg	100	5		78	122	20
	Tetrachloroethene	20	22.1	ug/Kg	111	3		73	128	20
	Chlorobenzene	20	20.9	ug/Kg	104	2		79	120	20
	Ethyl Benzene	20	20.3	ug/Kg	102	1		76	122	20
	m/p-Xylenes	40	42.6	ug/Kg	106	6		77	124	20
	o-Xylene	20	21.2	ug/Kg	106	7		77	123	20
	Styrene	20	20.5	ug/Kg	103	2		76	124	20
	Bromoform	20	21.5	ug/Kg	108	3		67	132	20
	Isopropylbenzene	20	19.2	ug/Kg	96	1		68	134	20
	1,1,2,2-Tetrachloroethane	20	19.0	ug/Kg	95	1		70	124	20
	1,3-Dichlorobenzene	20	21.2	ug/Kg	106	2		77	121	20
	1,4-Dichlorobenzene	20	20.1	ug/Kg	101	4		75	120	20
	1,2-Dichlorobenzene	20	20.3	ug/Kg	102	3		78	121	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q2820</u>	Analytical Method:	<u>SW8260D</u>
Client:	<u>First Environment, Inc.</u>	Datafile :	<u>VW032083.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VW0814SBSD01	1,2-Dibromo-3-Chloropropane	20	17.3	ug/Kg	86	6		61	132	20
	1,2,4-Trichlorobenzene	20	20.7	ug/Kg	104	7		67	129	20
	1,2,3-Trichlorobenzene	20	20.6	ug/Kg	103	3		66	130	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SDG No.:	Q2820	SW-846	Analytical Method:	SW8260D
Client:	First Environment, Inc.	Datafile :	VY023113.D	

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VY0815SBS01	Dichlorodifluoromethane	20	19.7	ug/Kg	99			29	149	
	Chloromethane	20	22.2	ug/Kg	111			50	136	
	Vinyl chloride	20	22.5	ug/Kg	113			56	135	
	Bromomethane	20	25.5	ug/Kg	128			53	143	
	Chloroethane	20	22.7	ug/Kg	114			59	139	
	Trichlorofluoromethane	20	21.1	ug/Kg	106			62	140	
	1,1,2-Trichlorotrifluoroethane	20	20.2	ug/Kg	101			66	136	
	1,1-Dichloroethene	20	19.8	ug/Kg	99			70	131	
	Acetone	100	110	ug/Kg	110			36	164	
	Carbon disulfide	20	20.1	ug/Kg	101			63	132	
	Methyl tert-butyl Ether	20	19.5	ug/Kg	98			73	125	
	Methyl Acetate	20	18.5	ug/Kg	93			53	144	
	Methylene Chloride	20	20.8	ug/Kg	104			70	128	
	trans-1,2-Dichloroethene	20	19.9	ug/Kg	100			74	125	
	1,1-Dichloroethane	20	20.4	ug/Kg	102			76	125	
	Cyclohexane	20	18.9	ug/Kg	95			67	131	
	2-Butanone	100	110	ug/Kg	110			51	148	
	Carbon Tetrachloride	20	19.6	ug/Kg	98			70	135	
	cis-1,2-Dichloroethene	20	20.1	ug/Kg	101			77	123	
	Bromochloromethane	20	21.9	ug/Kg	110			78	125	
	Chloroform	20	20.9	ug/Kg	104			78	123	
	1,1,1-Trichloroethane	20	20.3	ug/Kg	102			73	130	
	Methylcyclohexane	20	18.7	ug/Kg	94			66	133	
	Benzene	20	20.4	ug/Kg	102			77	121	
	1,2-Dichloroethane	20	20.6	ug/Kg	103			73	128	
	Trichloroethene	20	20.5	ug/Kg	103			77	123	
	1,2-Dichloropropane	20	20.5	ug/Kg	103			76	123	
	Bromodichloromethane	20	20.8	ug/Kg	104			75	127	
	4-Methyl-2-Pentanone	100	97.9	ug/Kg	98			65	135	
	Toluene	20	20.2	ug/Kg	101			77	121	
	t-1,3-Dichloropropene	20	19.9	ug/Kg	100			71	130	
	cis-1,3-Dichloropropene	20	19.6	ug/Kg	98			74	126	
	1,1,2-Trichloroethane	20	20.2	ug/Kg	101			78	121	
	2-Hexanone	100	100	ug/Kg	100			53	145	
	Dibromochloromethane	20	20.1	ug/Kg	101			74	126	
	1,2-Dibromoethane	20	20.1	ug/Kg	101			78	122	
	Tetrachloroethene	20	21.8	ug/Kg	109			73	128	
	Chlorobenzene	20	19.5	ug/Kg	98			79	120	
	Ethyl Benzene	20	18.8	ug/Kg	94			76	122	
	m/p-Xylenes	40	38.6	ug/Kg	97			77	124	
	o-Xylene	20	18.6	ug/Kg	93			77	123	
	Styrene	20	19.4	ug/Kg	97			76	124	
	Bromoform	20	18.7	ug/Kg	94			67	132	
	Isopropylbenzene	20	18.8	ug/Kg	94			68	134	
	1,1,2,2-Tetrachloroethane	20	18.1	ug/Kg	91			70	124	
	1,3-Dichlorobenzene	20	19.1	ug/Kg	96			77	121	
	1,4-Dichlorobenzene	20	19.3	ug/Kg	97			75	120	
	1,2-Dichlorobenzene	20	18.9	ug/Kg	95			78	121	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

		SW-846	
SDG No.:	<u>Q2820</u>	Analytical Method:	<u>SW8260D</u>
Client:	<u>First Environment, Inc.</u>	Datafile :	<u>VY023113.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	
									High	RPD
VY0815SBS01	1,2-Dibromo-3-Chloropropane	20	19.8	ug/Kg	99			61	132	
	1,2,4-Trichlorobenzene	20	18.2	ug/Kg	91			67	129	
	1,2,3-Trichlorobenzene	20	17.9	ug/Kg	90			66	130	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SDG No.:	Q2820	SW-846	Analytical Method:	SW8260D
Client:	First Environment, Inc.	Datafile :	VY023139.D	

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VY0819SBS01	Dichlorodifluoromethane	20	20.7	ug/Kg	104			29	149	
	Chloromethane	20	20.2	ug/Kg	101			50	136	
	Vinyl chloride	20	20.6	ug/Kg	103			56	135	
	Bromomethane	20	23.2	ug/Kg	116			53	143	
	Chloroethane	20	20.8	ug/Kg	104			59	139	
	Trichlorofluoromethane	20	20.0	ug/Kg	100			62	140	
	1,1,2-Trichlorotrifluoroethane	20	21.5	ug/Kg	108			66	136	
	1,1-Dichloroethene	20	20.8	ug/Kg	104			70	131	
	Acetone	100	110	ug/Kg	110			36	164	
	Carbon disulfide	20	19.9	ug/Kg	100			63	132	
	Methyl tert-butyl Ether	20	19.7	ug/Kg	99			73	125	
	Methyl Acetate	20	17.4	ug/Kg	87			53	144	
	Methylene Chloride	20	18.9	ug/Kg	95			70	128	
	trans-1,2-Dichloroethene	20	21.0	ug/Kg	105			74	125	
	1,1-Dichloroethane	20	20.0	ug/Kg	100			76	125	
	Cyclohexane	20	19.6	ug/Kg	98			67	131	
	2-Butanone	100	100	ug/Kg	100			51	148	
	Carbon Tetrachloride	20	21.4	ug/Kg	107			70	135	
	cis-1,2-Dichloroethene	20	20.6	ug/Kg	103			77	123	
	Bromochloromethane	20	19.5	ug/Kg	98			78	125	
	Chloroform	20	20.7	ug/Kg	104			78	123	
	1,1,1-Trichloroethane	20	20.8	ug/Kg	104			73	130	
	Methylcyclohexane	20	20.8	ug/Kg	104			66	133	
	Benzene	20	21.1	ug/Kg	106			77	121	
	1,2-Dichloroethane	20	20.2	ug/Kg	101			73	128	
	Trichloroethene	20	21.2	ug/Kg	106			77	123	
	1,2-Dichloropropane	20	20.5	ug/Kg	103			76	123	
	Bromodichloromethane	20	20.7	ug/Kg	104			75	127	
	4-Methyl-2-Pentanone	100	93.7	ug/Kg	94			65	135	
	Toluene	20	21.0	ug/Kg	105			77	121	
	t-1,3-Dichloropropene	20	20.1	ug/Kg	101			71	130	
	cis-1,3-Dichloropropene	20	20.5	ug/Kg	103			74	126	
	1,1,2-Trichloroethane	20	20.4	ug/Kg	102			78	121	
	2-Hexanone	100	99.0	ug/Kg	99			53	145	
	Dibromochloromethane	20	20.6	ug/Kg	103			74	126	
	1,2-Dibromoethane	20	20.3	ug/Kg	102			78	122	
	Tetrachloroethene	20	20.5	ug/Kg	103			73	128	
	Chlorobenzene	20	21.3	ug/Kg	106			79	120	
	Ethyl Benzene	20	20.8	ug/Kg	104			76	122	
	m/p-Xylenes	40	42.0	ug/Kg	105			77	124	
	o-Xylene	20	21.0	ug/Kg	105			77	123	
	Styrene	20	21.0	ug/Kg	105			76	124	
	Bromoform	20	20.5	ug/Kg	103			67	132	
	Isopropylbenzene	20	21.2	ug/Kg	106			68	134	
	1,1,2,2-Tetrachloroethane	20	20.7	ug/Kg	104			70	124	
	1,3-Dichlorobenzene	20	20.9	ug/Kg	104			77	121	
	1,4-Dichlorobenzene	20	20.8	ug/Kg	104			75	120	
	1,2-Dichlorobenzene	20	20.5	ug/Kg	103			78	121	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q2820</u>	Analytical Method:	<u>SW8260D</u>
Client:	<u>First Environment, Inc.</u>	Datafile :	<u>VY023139.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VY0819SBS01	1,2-Dibromo-3-Chloropropane	20	19.5	ug/Kg	98			61	132	
	1,2,4-Trichlorobenzene	20	20.2	ug/Kg	101			67	129	
	1,2,3-Trichlorobenzene	20	20.1	ug/Kg	101			66	130	

VOLATILE METHOD BLANK SUMMARY

Client ID

VW0814SBL01

Lab Name: Alliance

Contract: FIRS02

Lab Code: ACE

SDG NO.: Q2820

Lab File ID: VW032081.D

Lab Sample ID: VW0814SBL01

Date Analyzed: 08/14/2025

Time Analyzed: 10:00

GC Column: RXI-624 ID: 0.25 (mm)

Heated Purge: (Y/N) Y

Instrument ID: MSVOA_W

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VW0814SBS01	VW0814SBS01	VW032082.D	08/14/2025
VW0814SBSD01	VW0814SBSD01	VW032083.D	08/14/2025
82H-W	Q2820-02	VW032085.D	08/14/2025
82H-N	Q2820-03	VW032086.D	08/14/2025
SOIL-DUP-1	Q2820-04	VW032087.D	08/14/2025
518R-E	Q2820-05	VW032088.D	08/14/2025
518R-N	Q2820-06	VW032089.D	08/14/2025
518R-S	Q2820-07	VW032090.D	08/14/2025
518R-W	Q2820-08	VW032091.D	08/14/2025
705R-S	Q2820-09	VW032092.D	08/14/2025
SOIL-DUP-2	Q2820-10	VW032093.D	08/14/2025
10PC-W	Q2820-11	VW032094.D	08/14/2025
10PC-S	Q2820-12	VW032095.D	08/14/2025
10P-W	Q2820-13	VW032096.D	08/14/2025
10P-E	Q2820-14	VW032097.D	08/14/2025
10P-N	Q2820-16	VW032099.D	08/14/2025
88H-E	Q2820-17	VW032100.D	08/14/2025
88H-N	Q2820-18	VW032101.D	08/14/2025
88H-W	Q2820-19	VW032102.D	08/14/2025
88H-S	Q2820-20	VW032103.D	08/14/2025

COMMENTS: _____

VOLATILE METHOD BLANK SUMMARY

Client ID

VY0815SBL01

Lab Name: Alliance

Contract: FIRS02

Lab Code: ACE

SDG NO.: Q2820

Lab File ID: VY023112.D

Lab Sample ID: VY0815SBL01

Date Analyzed: 08/15/2025

Time Analyzed: 09:08

GC Column: RXI-624 ID: 0.25 (mm)

Heated Purge: (Y/N) Y

Instrument ID: MSVOA_Y

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VY0815SBS01	VY0815SBS01	VY023113.D	08/15/2025
22M-N	Q2820-21	VY023118.D	08/15/2025
22M-W	Q2820-22	VY023119.D	08/15/2025
22M-S	Q2820-24	VY023122.D	08/15/2025

COMMENTS: _____

VOLATILE METHOD BLANK SUMMARY

Client ID

VY0819SBL01

Lab Name: Alliance

Contract: FIRS02

Lab Code: ACE

SDG NO.: Q2820

Lab File ID: VY023138.D

Lab Sample ID: VY0819SBL01

Date Analyzed: 08/19/2025

Time Analyzed: 09:49

GC Column: RXI-624 ID: 0.25 (mm)

Heated Purge: (Y/N) Y

Instrument ID: MSVOA_Y

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VY0819SBS01	VY0819SBS01	VY023139.D	08/19/2025
82H-S	Q2820-01	VY023141.D	08/19/2025
10P-S	Q2820-15	VY023142.D	08/19/2025
22M-E	Q2820-23	VY023143.D	08/19/2025

COMMENTS: _____

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
 BROMOFLUOROBENZENE (BFB)
Lab Name: AllianceContract: FIRS02Lab Code: ACESDG NO.: Q2820Lab File ID: VW032051.DBFB Injection Date: 08/11/2025Instrument ID: MSVOA_WBFB Injection Time: 07:53GC Column: RXI-624 ID: 0.25 (mm)Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	18.3
75	30.0 - 60.0% of mass 95	51.9
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0.0 (0.0) 1
174	50.0 - 100.0% of mass 95	67.1
175	5.0 - 9.0% of mass 174	4.9 (7.3) 1
176	95.0 - 101.0% of mass 174	64.2 (95.6) 1
177	5.0 - 9.0% of mass 176	4.2 (6.5) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDIC005	VSTDIC005	VW032052.D	08/11/2025	08:25
VSTDIC010	VSTDIC010	VW032053.D	08/11/2025	09:09
VSTDIC020	VSTDIC020	VW032054.D	08/11/2025	09:47
VSTDIC050	VSTDIC050	VW032055.D	08/11/2025	10:09
VSTDIC100	VSTDIC100	VW032056.D	08/11/2025	10:46
VSTDIC150	VSTDIC150	VW032057.D	08/11/2025	11:08

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
 BROMOFLUOROBENZENE (BFB)

 Lab Name: Alliance
 Lab Code: ACE
 Lab File ID: VW032079.D
 Instrument ID: MSVOA_W
 GC Column: RXI-624 ID: 0.25 (mm)

 Contract: FIRS02
 SDG NO.: Q2820
 BFB Injection Date: 08/14/2025
 BFB Injection Time: 09:05
 Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	21.1
75	30.0 - 60.0% of mass 95	55.2
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7
173	Less than 2.0% of mass 174	0.0 (0.0) 1
174	50.0 - 100.0% of mass 95	70.8
175	5.0 - 9.0% of mass 174	6.2 (8.8) 1
176	95.0 - 101.0% of mass 174	67.5 (95.3) 1
177	5.0 - 9.0% of mass 176	4.3 (6.4) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VW032080.D	08/14/2025	09:27
VW0814SBL01	VW0814SBL01	VW032081.D	08/14/2025	10:00
VW0814SBS01	VW0814SBS01	VW032082.D	08/14/2025	10:27
VW0814SBSD01	VW0814SBSD01	VW032083.D	08/14/2025	10:58
82H-W	Q2820-02	VW032085.D	08/14/2025	12:02
82H-N	Q2820-03	VW032086.D	08/14/2025	12:24
SOIL-DUP-1	Q2820-04	VW032087.D	08/14/2025	12:46
518R-E	Q2820-05	VW032088.D	08/14/2025	13:09
518R-N	Q2820-06	VW032089.D	08/14/2025	13:31
518R-S	Q2820-07	VW032090.D	08/14/2025	13:54
518R-W	Q2820-08	VW032091.D	08/14/2025	14:16
705R-S	Q2820-09	VW032092.D	08/14/2025	14:39
SOIL-DUP-2	Q2820-10	VW032093.D	08/14/2025	15:01
10PC-W	Q2820-11	VW032094.D	08/14/2025	15:24
10PC-S	Q2820-12	VW032095.D	08/14/2025	15:47
10P-W	Q2820-13	VW032096.D	08/14/2025	16:10
10P-E	Q2820-14	VW032097.D	08/14/2025	16:32
10P-N	Q2820-16	VW032099.D	08/14/2025	17:17



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

**VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)**

Lab Name: Alliance

Contract: FIRS02

Lab Code: ACE

SDG NO.: Q2820

Lab File ID: VW032079.D

BFB Injection Date: 08/14/2025

Instrument ID: MSVOA_W

BFB Injection Time: 09:05

GC Column: RXI-624 ID: 0.25 (mm)

Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	21.1
75	30.0 - 60.0% of mass 95	55.2
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7
173	Less than 2.0% of mass 174	0.0 (0.0) 1
174	50.0 - 100.0% of mass 95	70.8
175	5.0 - 9.0% of mass 174	6.2 (8.8) 1
176	95.0 - 101.0% of mass 174	67.5 (95.3) 1
177	5.0 - 9.0% of mass 176	4.3 (6.4) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
88H-E	Q2820-17	VW032100.D	08/14/2025	17:40
88H-N	Q2820-18	VW032101.D	08/14/2025	18:02
88H-W	Q2820-19	VW032102.D	08/14/2025	18:25
88H-S	Q2820-20	VW032103.D	08/14/2025	18:47
VSTDCCC050EC	VSTDCCC050	VW032105.D	08/14/2025	19:32

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
 BROMOFLUOROBENZENE (BFB)

 Lab Name: Alliance
 Lab Code: ACE
 Lab File ID: VY023048.D
 Instrument ID: MSVOA_Y
 GC Column: RXI-624 ID: 0.25 (mm)

 Contract: FIRS02
 SDG NO.: Q2820
 BFB Injection Date: 08/12/2025
 BFB Injection Time: 08:26
 Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.2
75	30.0 - 60.0% of mass 95	51.9
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0.9 (1.1) 1
174	50.0 - 100.0% of mass 95	83.2
175	5.0 - 9.0% of mass 174	6.3 (7.6) 1
176	95.0 - 101.0% of mass 174	80.9 (97.2) 1
177	5.0 - 9.0% of mass 176	5.1 (6.4) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC005	VSTDICC005	VY023050.D	08/12/2025	14:54
VSTDICC010	VSTDICC010	VY023051.D	08/12/2025	15:17
VSTDICC020	VSTDICC020	VY023052.D	08/12/2025	15:40
VSTDICCC050	VSTDICCC050	VY023053.D	08/12/2025	16:02
VSTDICC100	VSTDICC100	VY023054.D	08/12/2025	16:25
VSTDICC150	VSTDICC150	VY023055.D	08/12/2025	16:47

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
 BROMOFLUOROBENZENE (BFB)

 Lab Name: Alliance
 Lab Code: ACE
 Lab File ID: VY023110.D
 Instrument ID: MSVOA_Y
 GC Column: RXI-624 ID: 0.25 (mm)

 Contract: FIRS02
 SDG NO.: Q2820
 BFB Injection Date: 08/15/2025
 BFB Injection Time: 08:07
 Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.6
75	30.0 - 60.0% of mass 95	52.7
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	1.1 (1.2) 1
174	50.0 - 100.0% of mass 95	88.9
175	5.0 - 9.0% of mass 174	6.6 (7.4) 1
176	95.0 - 101.0% of mass 174	85.3 (96) 1
177	5.0 - 9.0% of mass 176	5.6 (6.5) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VY023111.D	08/15/2025	08:39
VY0815SBL01	VY0815SBL01	VY023112.D	08/15/2025	09:08
VY0815SBS01	VY0815SBS01	VY023113.D	08/15/2025	09:37
22M-N	Q2820-21	VY023118.D	08/15/2025	11:54
22M-W	Q2820-22	VY023119.D	08/15/2025	12:18
22M-S	Q2820-24	VY023122.D	08/15/2025	13:28
VSTDCCC050EC	VSTDCCC050	VY023135.D	08/15/2025	19:06

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
 BROMOFLUOROBENZENE (BFB)

 Lab Name: Alliance
 Lab Code: ACE
 Lab File ID: VY023136.D
 Instrument ID: MSVOA_Y
 GC Column: RXI-624 ID: 0.25 (mm)

 Contract: FIRS02
 SDG NO.: Q2820
 BFB Injection Date: 08/19/2025
 BFB Injection Time: 07:45
 Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.1
75	30.0 - 60.0% of mass 95	51.4
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0.8 (1) 1
174	50.0 - 100.0% of mass 95	87.6
175	5.0 - 9.0% of mass 174	6.6 (7.5) 1
176	95.0 - 101.0% of mass 174	84.1 (96.1) 1
177	5.0 - 9.0% of mass 176	5.4 (6.4) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VY023137.D	08/19/2025	09:11
VY0819SBL01	VY0819SBL01	VY023138.D	08/19/2025	09:49
VY0819SBS01	VY0819SBS01	VY023139.D	08/19/2025	10:19
82H-S	Q2820-01	VY023141.D	08/19/2025	11:20
10P-S	Q2820-15	VY023142.D	08/19/2025	11:44
22M-E	Q2820-23	VY023143.D	08/19/2025	12:07
VSTDCCC050EC	VSTDCCC050	VY023160.D	08/19/2025	19:08

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: FIRS02
Lab Code: ACE SDG NO.: Q2820
Lab File ID: VW032080.D Date Analyzed: 08/14/2025
Instrument ID: MSVOA_W Time Analyzed: 09:27
GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	209331	7.96	369087	8.85	337227	11.63
UPPER LIMIT	418662	8.459	738174	9.349	674454	12.129
LOWER LIMIT	104666	7.459	184544	8.349	168614	11.129
EPA SAMPLE NO.						
82H-W	150560	7.97	312304	8.86	317114	11.63
82H-N	157879	7.97	311642	8.85	306017	11.63
SOIL-DUP-1	155089	7.97	306810	8.86	312208	11.63
518R-E	142915	7.97	288167	8.86	279890	11.63
518R-N	136247	7.97	267749	8.85	243648	11.63
518R-S	145772	7.97	300621	8.86	280561	11.63
518R-W	140686	7.96	276303	8.86	279575	11.64
705R-S	139519	7.96	293162	8.85	286216	11.64
SOIL-DUP-2	131941	7.97	266004	8.85	258211	11.64
10PC-W	137313	7.96	286341	8.85	284239	11.63
10PC-S	146756	7.96	291552	8.85	294933	11.64
10P-W	153502	7.97	317351	8.86	347999	11.64
10P-E	132278	7.96	288474	8.85	286427	11.64
10P-N	140424	7.96	293737	8.86	291999	11.63
88H-E	138538	7.97	294077	8.85	290017	11.64
88H-N	147385	7.96	297090	8.86	296209	11.63
88H-W	140101	7.97	295249	8.86	289791	11.63
88H-S	146240	7.97	298387	8.86	290020	11.64
VW0814SBL01	151415	7.96	296729	8.85	295553	11.63
VW0814SBS01	208549	7.96	361028	8.85	335310	11.63
VW0814SBSD01	218109	7.96	379951	8.85	343089	11.63

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: FIRS02
 Lab Code: ACE SDG NO.: Q2820
 Lab File ID: VW032080.D Date Analyzed: 08/14/2025
 Instrument ID: MSVOA_W Time Analyzed: 09:27
 GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	209331	7.96	369087	8.85	337227	11.63
UPPER LIMIT	418662	8.459	738174	9.349	674454	12.129
LOWER LIMIT	104666	7.459	184544	8.349	168614	11.129
EPA SAMPLE NO.						

IS1 = Pentafluorobenzene
 IS2 = 1,4-Difluorobenzene
 IS3 = Chlorobenzene-d5

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

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: FIRS02
 Lab Code: ACE SDG NO.: Q2820
 Lab File ID: VW032080.D Date Analyzed: 08/14/2025
 Instrument ID: MSVOA_W Time Analyzed: 09:27
 GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS4 AREA #	RT #				
12 HOUR STD	174813	13.556				
UPPER LIMIT	349626	14.056				
LOWER LIMIT	87406.5	13.056				
EPA SAMPLE NO.						
82H-W	149119	13.56				
82H-N	150411	13.56				
SOIL-DUP-1	147600	13.56				
518R-E	126154	13.56				
518R-N	97060	13.56				
518R-S	122108	13.56				
518R-W	127979	13.56				
705R-S	129964	13.56				
SOIL-DUP-2	103366	13.56				
10PC-W	145639	13.56				
10PC-S	140579	13.56				
10P-W	179419	13.56				
10P-E	140063	13.56				
10P-N	143336	13.56				
88H-E	141036	13.56				
88H-N	149072	13.56				
88H-W	144659	13.56				
88H-S	135214	13.56				
VW0814SBL01	134418	13.56				
VW0814SBS01	173541	13.56				
VW0814SBSD01	177605	13.55				

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: FIRS02
 Lab Code: ACE SDG NO.: Q2820
 Lab File ID: VW032080.D Date Analyzed: 08/14/2025
 Instrument ID: MSVOA_W Time Analyzed: 09:27
 GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS4 AREA #	RT #				
12 HOUR STD	174813	13.556				
UPPER LIMIT	349626	14.056				
LOWER LIMIT	87406.5	13.056				
EPA SAMPLE NO.						

IS4 = 1,4-Dichlorobenzene-d4

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

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: FIRS02
Lab Code: ACE SDG NO.: Q2820
Lab File ID: VY023111.D Date Analyzed: 08/15/2025
Instrument ID: MSVOA_Y Time Analyzed: 08:39
GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	443799	7.71	696916	8.62	607348	11.41
UPPER LIMIT	887598	8.207	1393830	9.116	1214700	11.914
LOWER LIMIT	221900	7.207	348458	8.116	303674	10.914
EPA SAMPLE NO.						
22M-N	570930	7.71	1075634	8.61	964069	11.41
22M-W	565430	7.71	1082388	8.62	919769	11.41
22M-S	540065	7.71	1019542	8.61	888710	11.41
VY0815SBL01	550500	7.71	1049087	8.62	953139	11.41
VY0815SBS01	452403	7.71	727202	8.62	654458	11.41

IS1 = Pentafluorobenzene
IS2 = 1,4-Difluorobenzene
IS3 = Chlorobenzene-d5

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

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: FIRS02
 Lab Code: ACE SDG NO.: Q2820
 Lab File ID: VY023111.D Date Analyzed: 08/15/2025
 Instrument ID: MSVOA_Y Time Analyzed: 08:39
 GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS4 AREA #	RT #				
12 HOUR STD	306948	13.347				
UPPER LIMIT	613896	13.847				
LOWER LIMIT	153474	12.847				
EPA SAMPLE NO.						
22M-N	387628	13.34				
22M-W	311657	13.34				
22M-S	376737	13.34				
VY0815SBL01	370974	13.35				
VY0815SBS01	327154	13.34				

IS4 = 1,4-Dichlorobenzene-d4

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

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: FIRS02
Lab Code: ACE SDG NO.: Q2820
Lab File ID: VY023137.D Date Analyzed: 08/19/2025
Instrument ID: MSVOA_Y Time Analyzed: 09:11
GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	560294	7.71	876189	8.62	761785	11.41
UPPER LIMIT	1120590	8.213	1752380	9.116	1523570	11.914
LOWER LIMIT	280147	7.213	438095	8.116	380893	10.914
EPA SAMPLE NO.						
82H-S	632898	7.71	1176361	8.62	988287	11.41
10P-S	632809	7.71	1165930	8.62	1040807	11.41
22M-E	605918	7.71	1109341	8.62	926207	11.41
VY0819SBL01	658468	7.71	1194271	8.62	1104701	11.41
VY0819SBS01	517532	7.71	816918	8.62	707204	11.41

IS1 = Pentafluorobenzene
IS2 = 1,4-Difluorobenzene
IS3 = Chlorobenzene-d5

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

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: FIRS02
 Lab Code: ACE SDG NO.: Q2820
 Lab File ID: VY023137.D Date Analyzed: 08/19/2025
 Instrument ID: MSVOA_Y Time Analyzed: 09:11
 GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS4 AREA #	RT #				
12 HOUR STD	392533	13.346				
UPPER LIMIT	785066	13.846				
LOWER LIMIT	196267	12.846				
EPA SAMPLE NO.						
82H-S	333936	13.35				
10P-S	447912	13.35				
22M-E	306765	13.35				
VY0819SBL01	444569	13.35				
VY0819SBS01	352720	13.35				

IS4 = 1,4-Dichlorobenzene-d4

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

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



SAMPLE DATA

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Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	82H-S	SDG No.:	Q2820
Lab Sample ID:	Q2820-01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	82.5
Sample Wt/Vol:	6.57	Units: g	Final Vol: 5000 uL
Soil Aliquot Vol:		uL	Test: VOC-TCLVOA-10
GC Column:	RXI-624	ID : 0.25	Level : LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY023141.D	1	08/19/25 11:20	VY081925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	3.70	U	1.10	3.70	4.60	ug/Kg
74-87-3	Chloromethane	2.30	U	1.10	2.30	4.60	ug/Kg
75-01-4	Vinyl Chloride	2.30	U	0.73	2.30	4.60	ug/Kg
74-83-9	Bromomethane	3.70	U	0.99	3.70	4.60	ug/Kg
75-00-3	Chloroethane	2.30	U	1.20	2.30	4.60	ug/Kg
75-69-4	Trichlorofluoromethane	3.70	U	1.10	3.70	4.60	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	2.30	U	0.98	2.30	4.60	ug/Kg
75-35-4	1,1-Dichloroethene	2.30	U	0.92	2.30	4.60	ug/Kg
67-64-1	Acetone	18.4	U	4.40	18.4	23.1	ug/Kg
75-15-0	Carbon Disulfide	3.70	U	0.98	3.70	4.60	ug/Kg
1634-04-4	Methyl tert-butyl Ether	2.30	U	0.67	2.30	4.60	ug/Kg
79-20-9	Methyl Acetate	3.70	U	1.40	3.70	4.60	ug/Kg
75-09-2	Methylene Chloride	7.40	U	3.30	7.40	9.20	ug/Kg
156-60-5	trans-1,2-Dichloroethene	2.30	U	0.79	2.30	4.60	ug/Kg
75-34-3	1,1-Dichloroethane	2.30	U	0.74	2.30	4.60	ug/Kg
110-82-7	Cyclohexane	2.30	U	0.73	2.30	4.60	ug/Kg
78-93-3	2-Butanone	18.4	U	6.00	18.4	23.1	ug/Kg
56-23-5	Carbon Tetrachloride	2.30	U	0.89	2.30	4.60	ug/Kg
156-59-2	cis-1,2-Dichloroethene	2.30	U	0.69	2.30	4.60	ug/Kg
74-97-5	Bromochloromethane	3.70	U	1.10	3.70	4.60	ug/Kg
67-66-3	Chloroform	3.70	U	0.77	3.70	4.60	ug/Kg
71-55-6	1,1,1-Trichloroethane	2.30	U	0.86	2.30	4.60	ug/Kg
108-87-2	Methylcyclohexane	2.30	U	0.84	2.30	4.60	ug/Kg
71-43-2	Benzene	2.30	U	0.73	2.30	4.60	ug/Kg
107-06-2	1,2-Dichloroethane	2.30	U	0.73	2.30	4.60	ug/Kg
79-01-6	Trichloroethene	2.30	U	0.75	2.30	4.60	ug/Kg
78-87-5	1,2-Dichloropropane	2.30	U	0.84	2.30	4.60	ug/Kg
75-27-4	Bromodichloromethane	2.30	U	0.72	2.30	4.60	ug/Kg
108-10-1	4-Methyl-2-Pentanone	11.5	U	3.30	11.5	23.1	ug/Kg
108-88-3	Toluene	2.30	U	0.72	2.30	4.60	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	82H-S	SDG No.:	Q2820
Lab Sample ID:	Q2820-01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	82.5
Sample Wt/Vol:	6.57 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY023141.D	1	08/19/25 11:20	VY081925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	2.30	U	0.60	2.30	4.60	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	2.30	U	0.57	2.30	4.60	ug/Kg
79-00-5	1,1,2-Trichloroethane	2.30	U	0.85	2.30	4.60	ug/Kg
591-78-6	2-Hexanone	11.5	U	3.40	11.5	23.1	ug/Kg
124-48-1	Dibromochloromethane	2.30	U	0.80	2.30	4.60	ug/Kg
106-93-4	1,2-Dibromoethane	2.30	U	0.81	2.30	4.60	ug/Kg
127-18-4	Tetrachloroethene	2.30	U	0.97	2.30	4.60	ug/Kg
108-90-7	Chlorobenzene	2.30	U	0.84	2.30	4.60	ug/Kg
100-41-4	Ethyl Benzene	2.30	U	0.62	2.30	4.60	ug/Kg
179601-23-1	m/p-Xylenes	4.60	U	1.10	4.60	9.20	ug/Kg
95-47-6	o-Xylene	2.30	U	0.76	2.30	4.60	ug/Kg
100-42-5	Styrene	2.30	U	0.65	2.30	4.60	ug/Kg
75-25-2	Bromoform	2.30	U	0.79	2.30	4.60	ug/Kg
98-82-8	Isopropylbenzene	2.30	U	0.72	2.30	4.60	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	2.30	U	1.10	2.30	4.60	ug/Kg
541-73-1	1,3-Dichlorobenzene	2.30	U	1.60	2.30	4.60	ug/Kg
106-46-7	1,4-Dichlorobenzene	2.30	U	1.40	2.30	4.60	ug/Kg
95-50-1	1,2-Dichlorobenzene	2.30	U	1.30	2.30	4.60	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.70	U	1.70	3.70	4.60	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.70	U	2.70	3.70	4.60	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.70	U	2.90	3.70	4.60	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	52.2		71 - 136		104%	SPK: 50
1868-53-7	Dibromofluoromethane	51.1		78 - 119		102%	SPK: 50
2037-26-5	Toluene-d8	50.7		85 - 116		101%	SPK: 50
460-00-4	4-Bromofluorobenzene	42.2		79 - 119		84%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	633000	7.707				
540-36-3	1,4-Difluorobenzene	1180000	8.616				
3114-55-4	Chlorobenzene-d5	988000	11.414				
3855-82-1	1,4-Dichlorobenzene-d4	334000	13.347				

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	82H-S	SDG No.:	Q2820
Lab Sample ID:	Q2820-01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	82.5
Sample Wt/Vol:	6.57	Units:	g
Soil Aliquot Vol:			uL
GC Column:	RXI-624	ID :	0.25
Prep Method :		Level :	LOW
		Final Vol:	5000 uL
		Test:	VOC-TCLVOA-10

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY023141.D	1	08/19/25 11:20	VY081925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081925\
Data File : VY023141.D
Acq On : 19 Aug 2025 11:20
Operator : SY/MD
Sample : Q2820-01
Misc : 6.57g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
82H-S

Quant Time: Aug 20 01:26:48 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	632898	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1176361	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	988287	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	333936	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	314601	52.156	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	104.320%
35) Dibromofluoromethane	7.634	113	359894	51.129	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.260%
50) Toluene-d8	10.103	98	1395208	50.738	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	101.480%
62) 4-Bromofluorobenzene	12.402	95	372975	42.175	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	84.360%

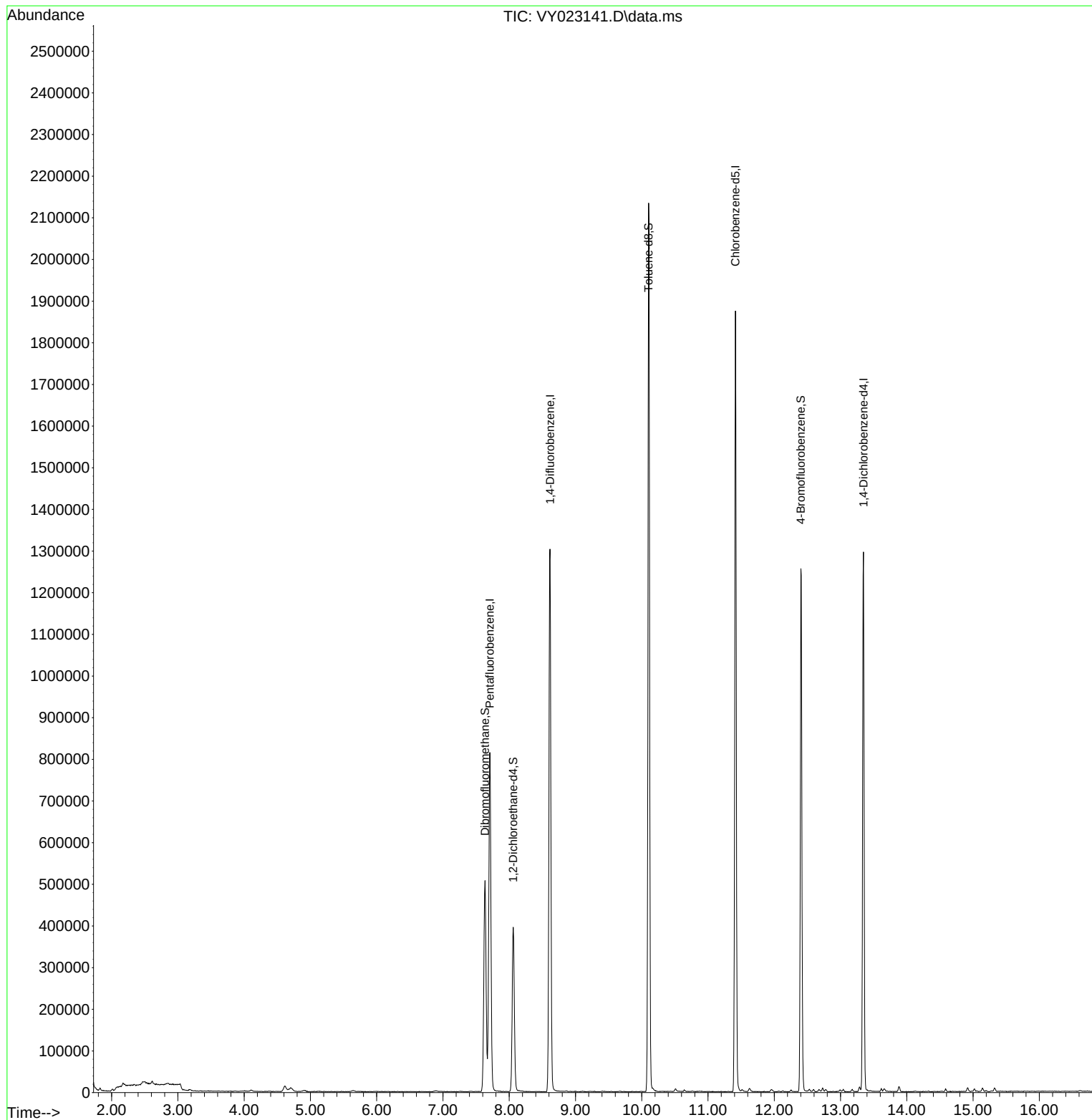
Target Compounds	Qvalue
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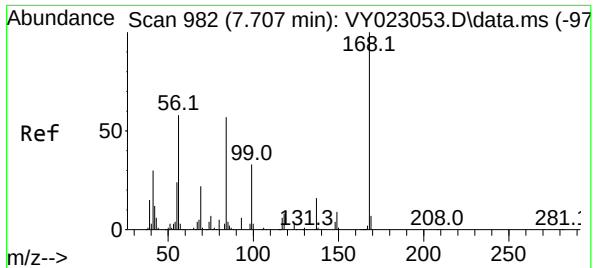
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081925\
Data File : VY023141.D
Acq On : 19 Aug 2025 11:20
Operator : SY/MD
Sample : Q2820-01
Misc : 6.57g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
82H-S

Quant Time: Aug 20 01:26:48 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

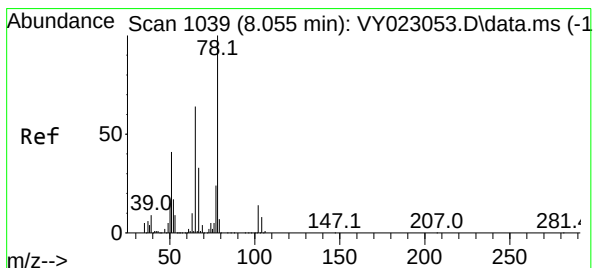
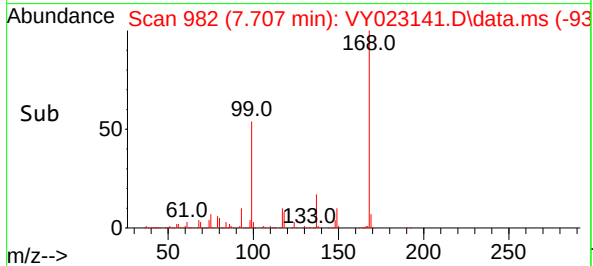
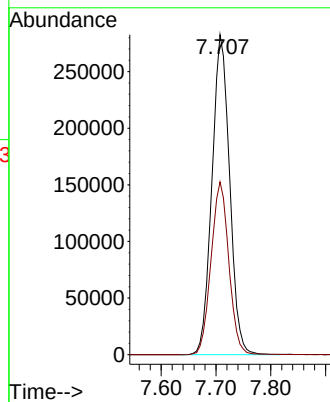
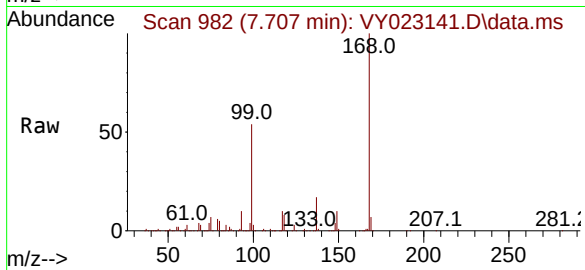




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023141.D
Acq: 19 Aug 2025 11:20

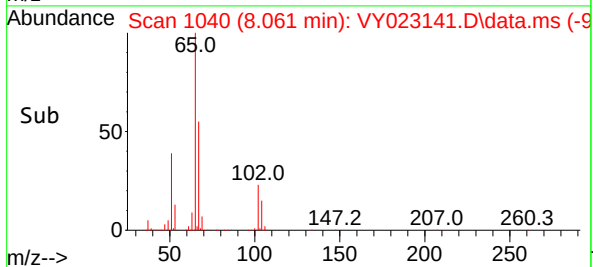
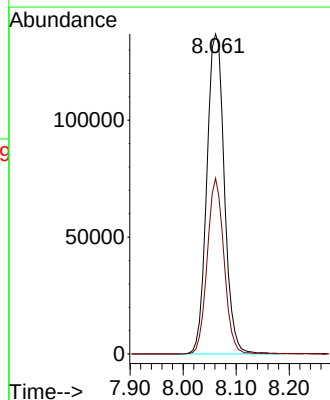
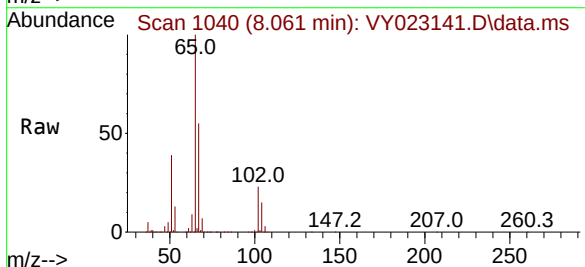
Instrument :
MSVOA_Y
ClientSampleId :
82H-S

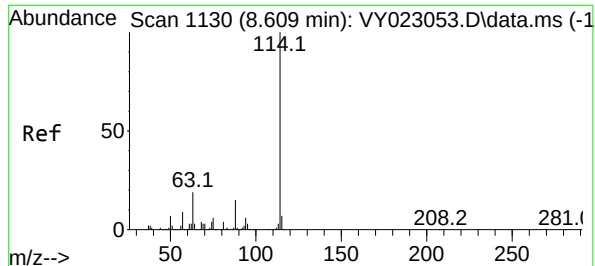
Tgt Ion:168 Resp: 632898
Ion Ratio Lower Upper
168 100
99 54.0 42.8 64.2



#33
1,2-Dichloroethane-d4
Concen: 52.156 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VY023141.D
Acq: 19 Aug 2025 11:20

Tgt Ion: 65 Resp: 314601
Ion Ratio Lower Upper
65 100
67 52.4 0.0 106.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1130

Delta R.T. 0.006 min

Lab File: VY023141.D

Acq: 19 Aug 2025 11:20

Instrument :

MSVOA_Y

ClientSampleId :

82H-S

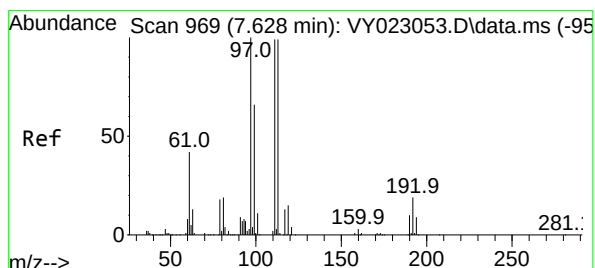
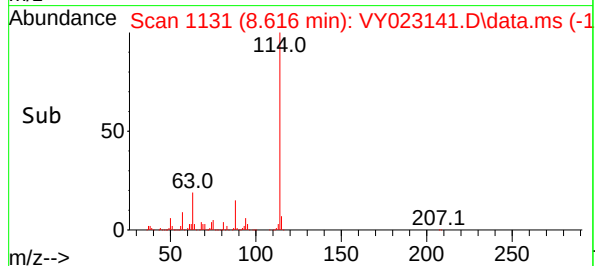
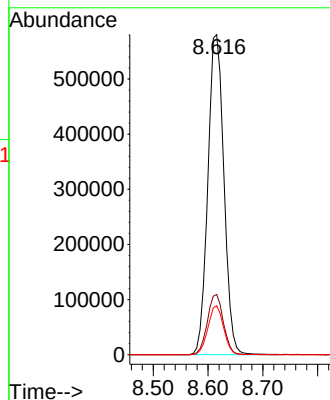
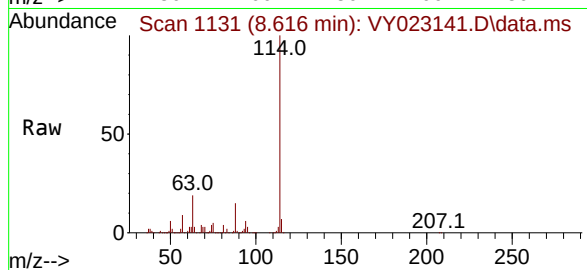
Tgt Ion:114 Resp: 1176361

Ion Ratio Lower Upper

114 100

63 18.8 0.0 38.4

88 15.3 0.0 30.0



#35

Dibromofluoromethane

Concen: 51.129 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.006 min

Lab File: VY023141.D

Acq: 19 Aug 2025 11:20

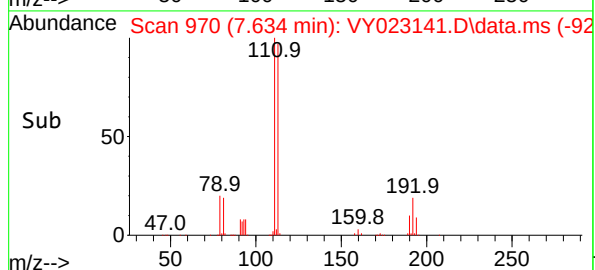
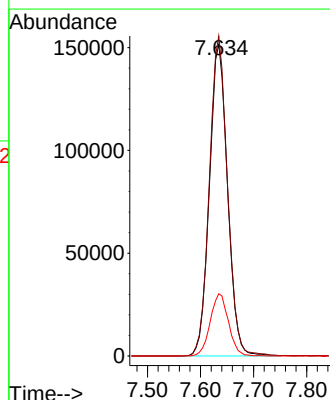
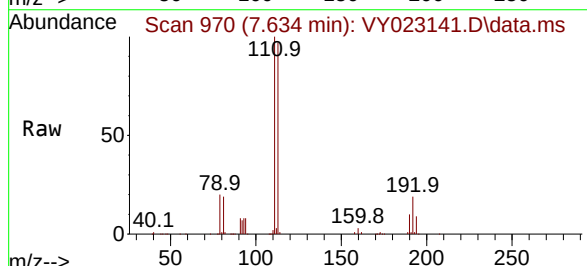
Tgt Ion:113 Resp: 359894

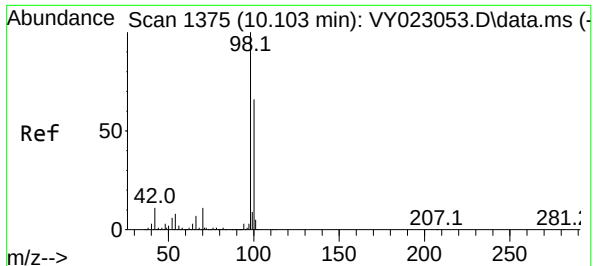
Ion Ratio Lower Upper

113 100

111 102.7 81.1 121.7

192 20.0 16.2 24.4





#50

Toluene-d8

Concen: 50.738 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. 0.000 min

Lab File: VY023141.D

Acq: 19 Aug 2025 11:20

Instrument :

MSVOA_Y

ClientSampleId :

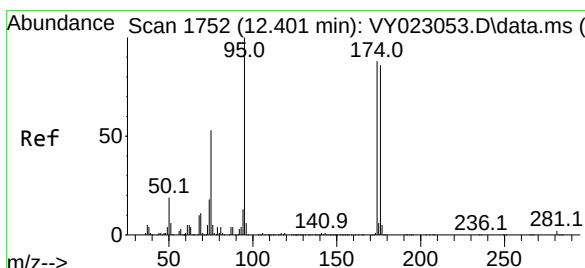
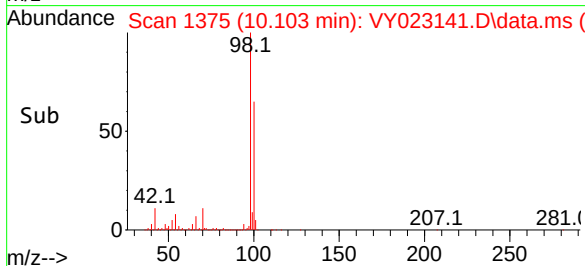
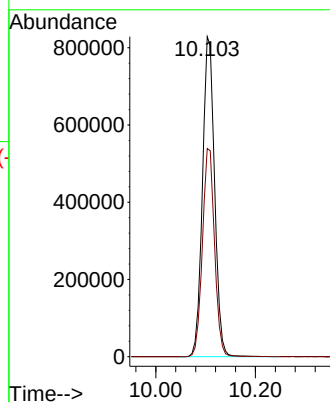
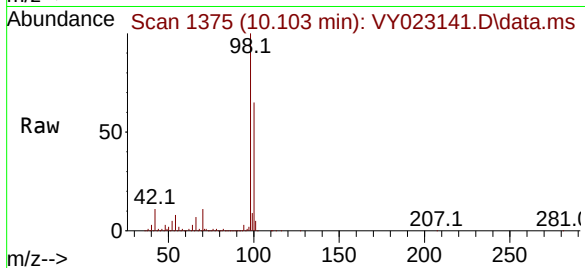
82H-S

Tgt Ion: 98 Resp: 1395208

Ion Ratio Lower Upper

98 100

100 65.2 52.3 78.5



#62

4-Bromofluorobenzene

Concen: 42.175 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. 0.000 min

Lab File: VY023141.D

Acq: 19 Aug 2025 11:20

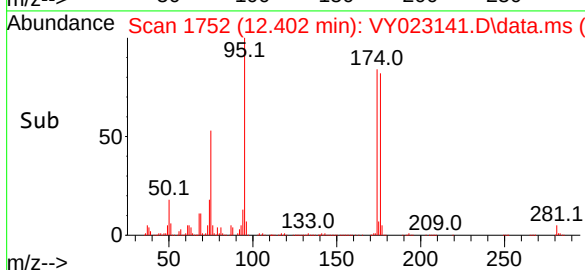
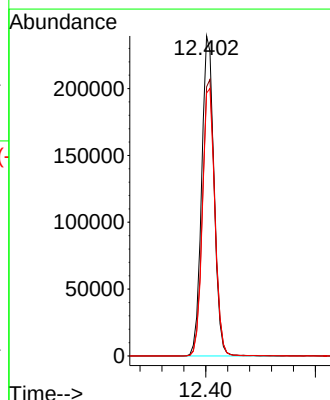
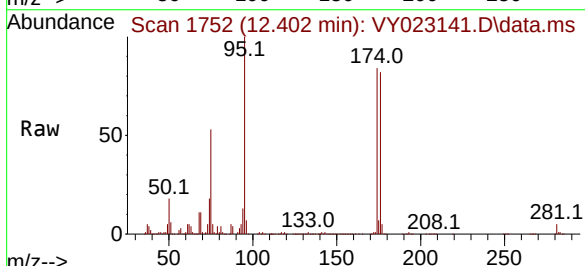
Tgt Ion: 95 Resp: 372975

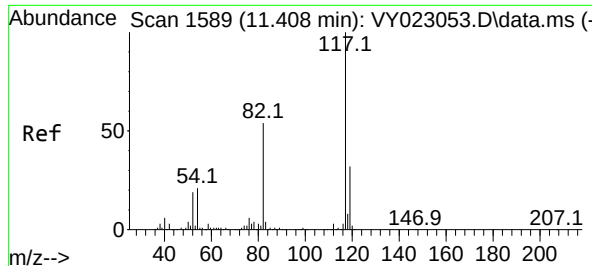
Ion Ratio Lower Upper

95 100

174 87.3 0.0 171.6

176 84.2 0.0 167.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023141.D

Acq: 19 Aug 2025 11:20

Instrument :

MSVOA_Y

ClientSampleId :

82H-S

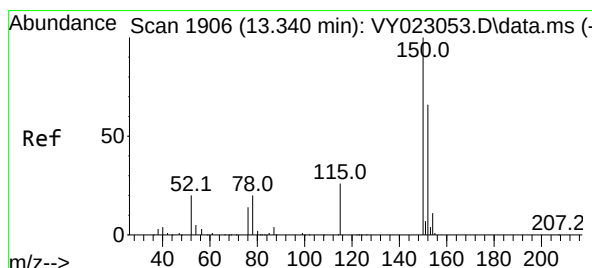
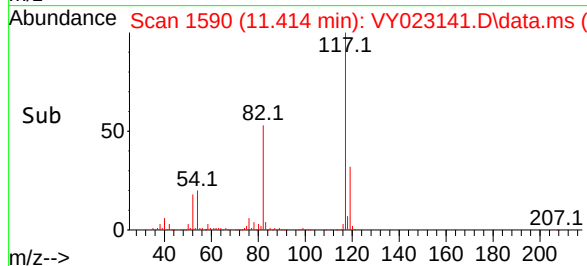
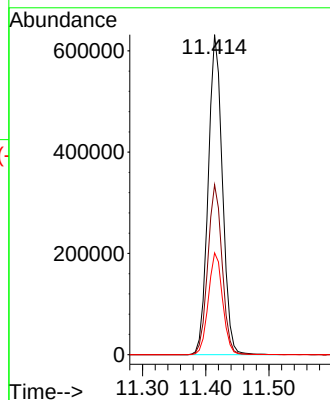
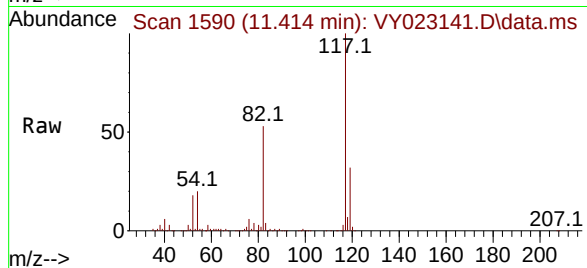
Tgt Ion:117 Resp: 988287

Ion Ratio Lower Upper

117 100

82 53.1 43.4 65.0

119 31.8 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.006 min

Lab File: VY023141.D

Acq: 19 Aug 2025 11:20

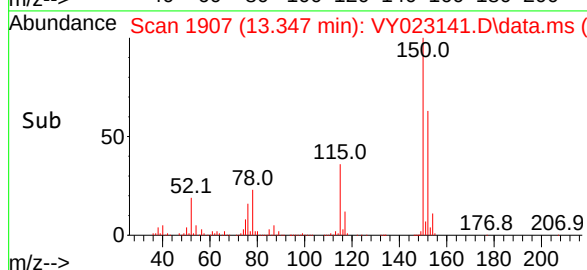
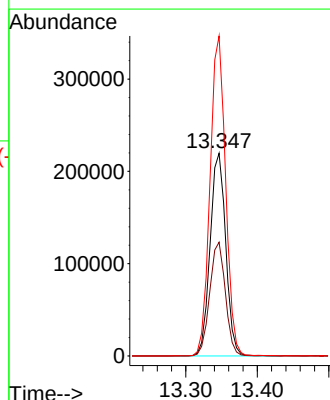
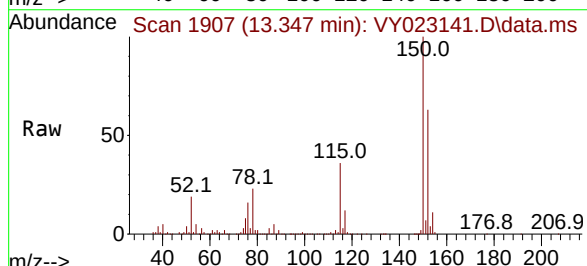
Tgt Ion:152 Resp: 333936

Ion Ratio Lower Upper

152 100

115 56.4 28.2 84.6

150 156.6 0.0 348.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081925\
Data File : VY023141.D
Acq On : 19 Aug 2025 11:20
Operator : SY/MD
Sample : Q2820-01
Misc : 6.57g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
82H-S

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M

Title : SW846 8260

Signal : TIC: VY023141.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.610	464	474	482	rBV4	13535	44407	1.23%	0.257%
2	7.634	958	970	976	rBV	506644	1204596	33.27%	6.977%
3	7.707	976	982	999	rVB	812938	1821204	50.30%	10.549%
4	8.061	1028	1040	1051	rBV	394954	888163	24.53%	5.144%
5	8.616	1121	1131	1150	rBV	1302819	2648086	73.13%	15.338%
6	10.103	1368	1375	1395	rBV	2132970	3620987	100.00%	20.974%
7	11.414	1582	1590	1602	rBV	1874611	2964888	81.88%	17.173%
8	12.402	1745	1752	1766	rBV2	1255862	2087510	57.65%	12.091%
9	13.347	1900	1907	1916	rVB	1292256	1984548	54.81%	11.495%

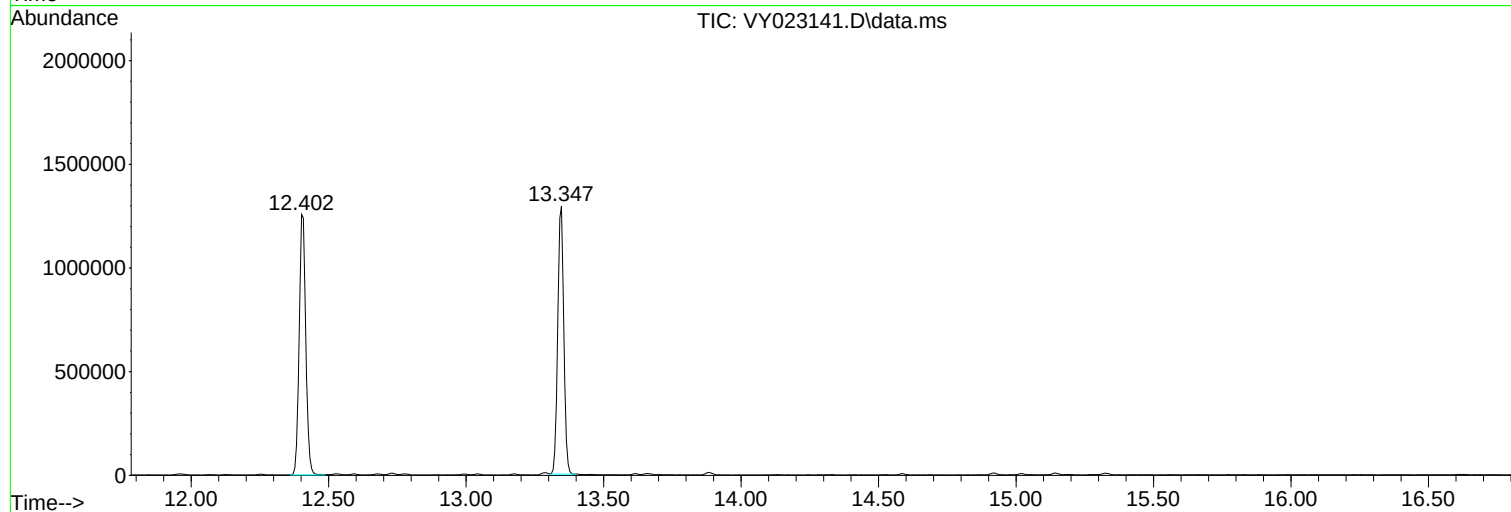
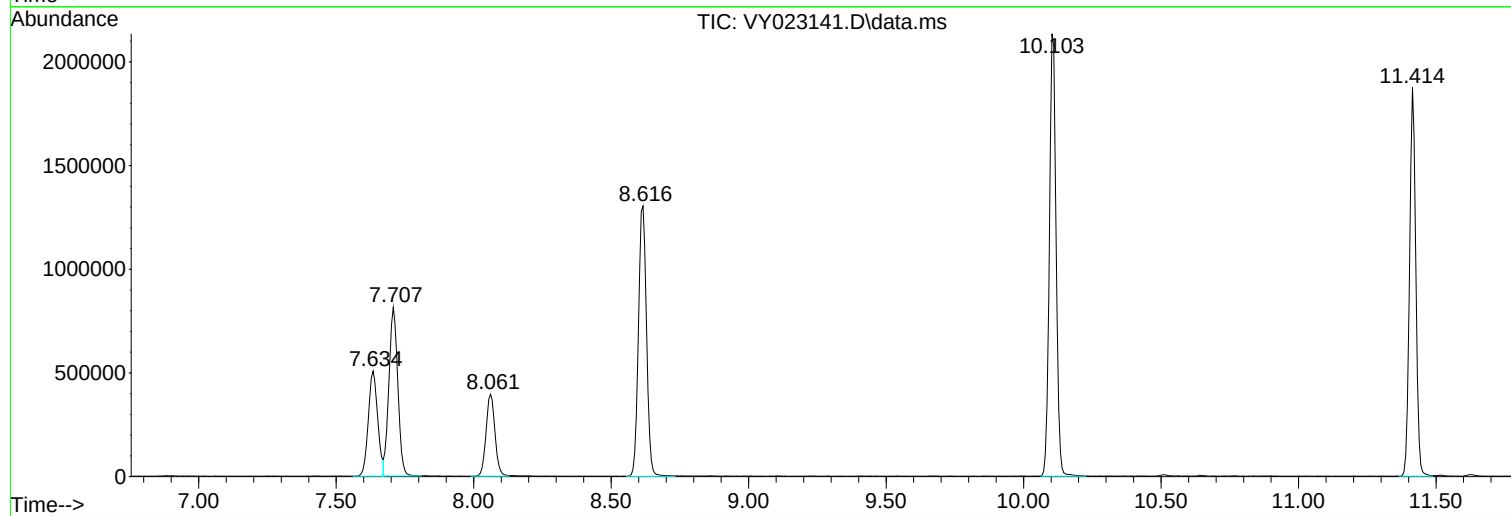
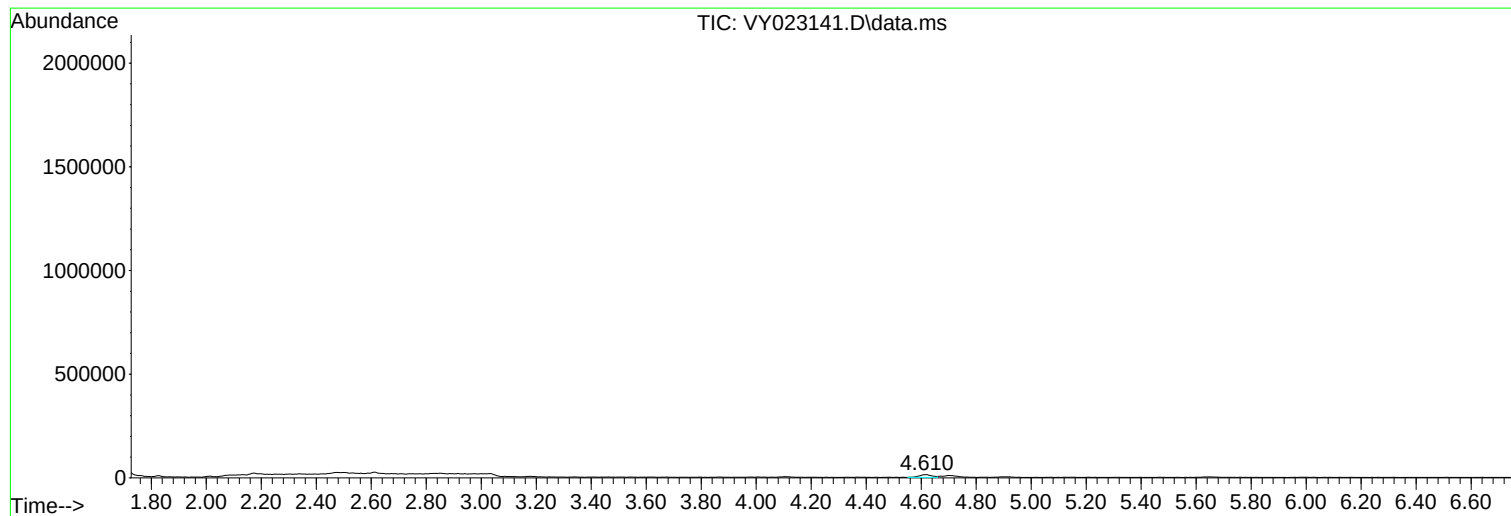
Sum of corrected areas: 17264389

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081925\
Data File : VY023141.D
Acq On : 19 Aug 2025 11:20
Operator : SY/MD
Sample : Q2820-01
Misc : 6.57g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
82H-S

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081925\
Data File : VY023141.D
Acq On : 19 Aug 2025 11:20
Operator : SY/MD
Sample : Q2820-01
Misc : 6.57g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
82H-S

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081925\
Data File : VY023141.D
Acq On : 19 Aug 2025 11:20
Operator : SY/MD
Sample : Q2820-01
Misc : 6.57g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
82H-S

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260

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

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

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	82H-W	SDG No.:	Q2820
Lab Sample ID:	Q2820-02	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	83.5
Sample Wt/Vol:	7.92 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032085.D	1	08/14/25 12:02	VW081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	3.00	U	0.86	3.00	3.80	ug/Kg
74-87-3	Chloromethane	1.90	U	0.86	1.90	3.80	ug/Kg
75-01-4	Vinyl Chloride	1.90	U	0.60	1.90	3.80	ug/Kg
74-83-9	Bromomethane	3.00	U	0.81	3.00	3.80	ug/Kg
75-00-3	Chloroethane	1.90	U	0.95	1.90	3.80	ug/Kg
75-69-4	Trichlorofluoromethane	3.00	U	0.91	3.00	3.80	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.90	U	0.80	1.90	3.80	ug/Kg
75-35-4	1,1-Dichloroethene	1.90	U	0.76	1.90	3.80	ug/Kg
67-64-1	Acetone	30.4		3.60	15.1	18.9	ug/Kg
75-15-0	Carbon Disulfide	2.20	J	0.80	3.00	3.80	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.90	U	0.55	1.90	3.80	ug/Kg
79-20-9	Methyl Acetate	3.00	U	1.20	3.00	3.80	ug/Kg
75-09-2	Methylene Chloride	4.60	J	2.70	6.00	7.60	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.90	U	0.65	1.90	3.80	ug/Kg
75-34-3	1,1-Dichloroethane	1.90	U	0.60	1.90	3.80	ug/Kg
110-82-7	Cyclohexane	1.90	U	0.60	1.90	3.80	ug/Kg
78-93-3	2-Butanone	15.1	U	4.90	15.1	18.9	ug/Kg
56-23-5	Carbon Tetrachloride	1.90	U	0.73	1.90	3.80	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1.90	U	0.57	1.90	3.80	ug/Kg
74-97-5	Bromochloromethane	3.00	U	0.87	3.00	3.80	ug/Kg
67-66-3	Chloroform	3.00	U	0.64	3.00	3.80	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.90	U	0.70	1.90	3.80	ug/Kg
108-87-2	Methylcyclohexane	1.90	U	0.69	1.90	3.80	ug/Kg
71-43-2	Benzene	1.90	U	0.60	1.90	3.80	ug/Kg
107-06-2	1,2-Dichloroethane	1.90	U	0.60	1.90	3.80	ug/Kg
79-01-6	Trichloroethene	1.90	U	0.61	1.90	3.80	ug/Kg
78-87-5	1,2-Dichloropropane	1.90	U	0.69	1.90	3.80	ug/Kg
75-27-4	Bromodichloromethane	1.90	U	0.59	1.90	3.80	ug/Kg
108-10-1	4-Methyl-2-Pentanone	9.50	U	2.70	9.50	18.9	ug/Kg
108-88-3	Toluene	1.90	U	0.59	1.90	3.80	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	82H-W	SDG No.:	Q2820
Lab Sample ID:	Q2820-02	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	83.5
Sample Wt/Vol:	7.92 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032085.D	1	08/14/25 12:02	VW081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	1.90	U	0.49	1.90	3.80	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.90	U	0.47	1.90	3.80	ug/Kg
79-00-5	1,1,2-Trichloroethane	1.90	U	0.70	1.90	3.80	ug/Kg
591-78-6	2-Hexanone	9.50	U	2.80	9.50	18.9	ug/Kg
124-48-1	Dibromochloromethane	1.90	U	0.66	1.90	3.80	ug/Kg
106-93-4	1,2-Dibromoethane	1.90	U	0.67	1.90	3.80	ug/Kg
127-18-4	Tetrachloroethene	1.90	U	0.79	1.90	3.80	ug/Kg
108-90-7	Chlorobenzene	1.90	U	0.69	1.90	3.80	ug/Kg
100-41-4	Ethyl Benzene	1.90	U	0.51	1.90	3.80	ug/Kg
179601-23-1	m/p-Xylenes	3.80	U	0.94	3.80	7.60	ug/Kg
95-47-6	o-Xylene	1.90	U	0.62	1.90	3.80	ug/Kg
100-42-5	Styrene	1.90	U	0.54	1.90	3.80	ug/Kg
75-25-2	Bromoform	1.90	U	0.65	1.90	3.80	ug/Kg
98-82-8	Isopropylbenzene	1.90	U	0.59	1.90	3.80	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.90	U	0.91	1.90	3.80	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.90	U	1.30	1.90	3.80	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.90	U	1.20	1.90	3.80	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.90	U	1.10	1.90	3.80	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.00	U	1.40	3.00	3.80	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.00	U	2.20	3.00	3.80	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.00	U	2.40	3.00	3.80	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	58.2		71 - 136		116%	SPK: 50
1868-53-7	Dibromofluoromethane	55.4		78 - 119		111%	SPK: 50
2037-26-5	Toluene-d8	50.8		85 - 116		102%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.6		79 - 119		103%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	151000	7.965				
540-36-3	1,4-Difluorobenzene	312000	8.855				
3114-55-4	Chlorobenzene-d5	317000	11.629				
3855-82-1	1,4-Dichlorobenzene-d4	149000	13.556				
TENTATIVE IDENTIFIED COMPOUNDS							

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	82H-W	SDG No.:	Q2820
Lab Sample ID:	Q2820-02	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	83.5
Sample Wt/Vol:	7.92 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032085.D	1	08/14/25 12:02	VW081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
	unknown12.928	6.40	J			12.9	ug/Kg

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
 Data File : VW032085.D
 Acq On : 14 Aug 2025 12:02
 Operator : SY/MD
 Sample : Q2820-02
 Misc : 7.92g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 82H-W

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 08/19/2025
 Supervised By : Mahesh Dadoda 08/19/2025

Quant Time: Aug 18 03:49:48 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 12 04:04:48 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.965	168	150560	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	312304	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	317114	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	149119	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	126653	58.164	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 116.320%			
35) Dibromofluoromethane	7.904	113	111867	55.445	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 110.900%			
50) Toluene-d8	10.325	98	379321	50.830	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 101.660%			
62) 4-Bromofluorobenzene	12.617	95	141794	51.561	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 103.120%			
Target Compounds						
					Qvalue	
16) Acetone	4.161	43	20268	40.202	ug/l #	87
17) Carbon Disulfide	4.423	76	14117	2.880	ug/l	97
20) Methylene Chloride	4.960	84	14087m	6.043	ug/l	
25) 2-Butanone	7.203	43	3815	5.324	ug/l #	86

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

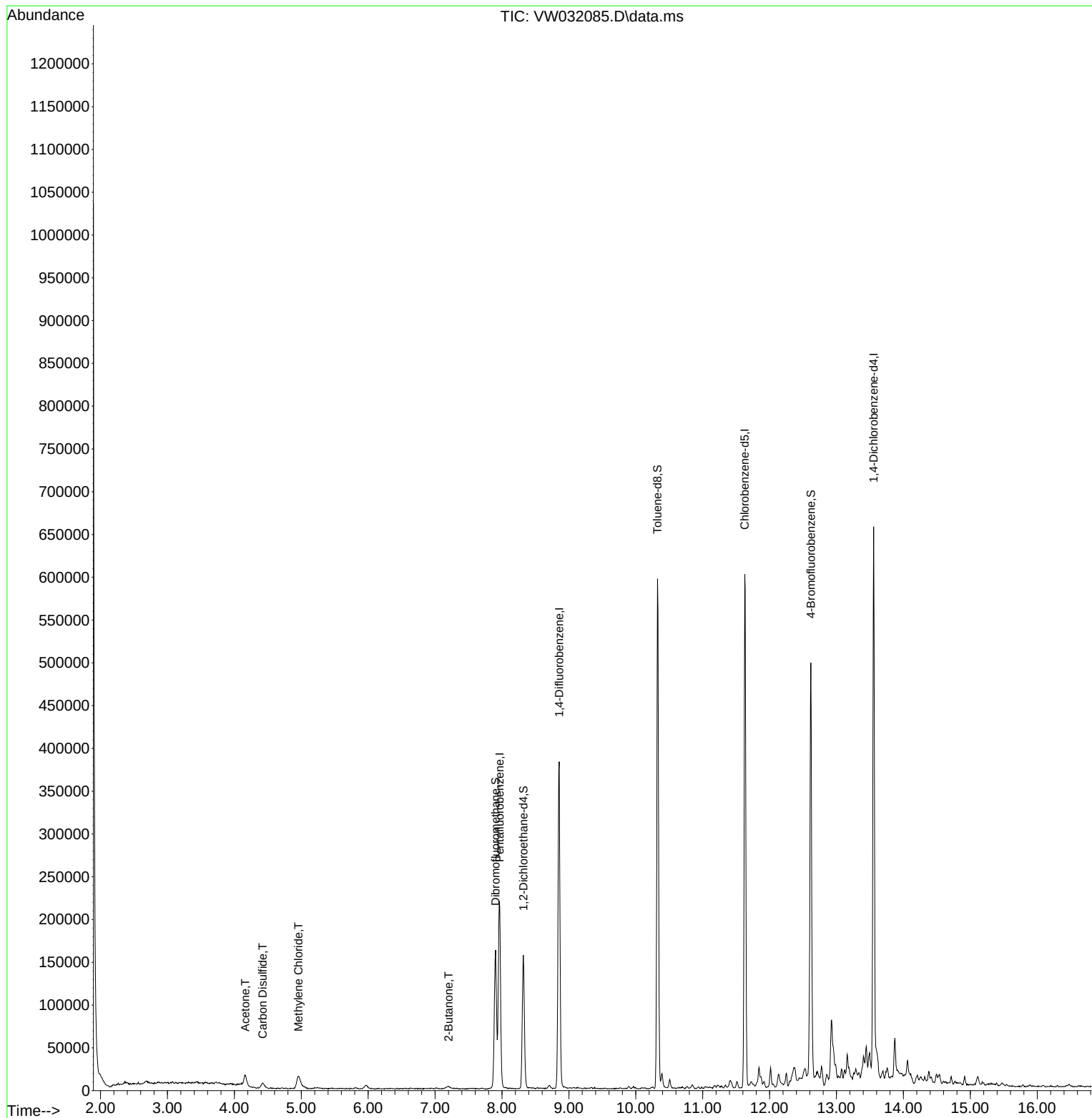
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
Data File : VW032085.D
Acq On : 14 Aug 2025 12:02
Operator : SY/MD
Sample : Q2820-02
Misc : 7.92g/5mL/MSVOA_W/SOIL/A
ALS Vial : 9 Sample Multiplier: 1

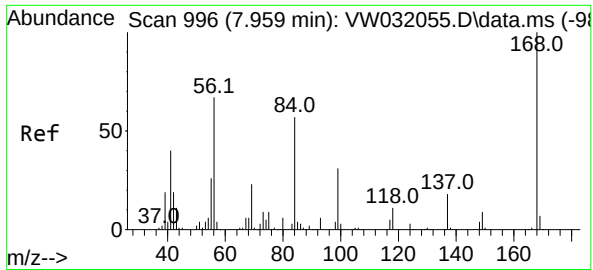
Instrument :
MSVOA_W
ClientSampleId :
82H-W

Manual Integrations
APPROVED

Reviewed By : Semsettin Yesilyurt 08/19/2025
Supervised By : Mahesh Dadoda 08/19/2025

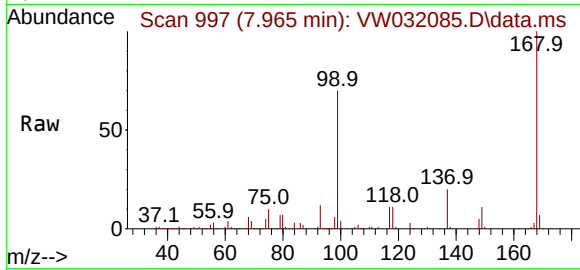
Quant Time: Aug 18 03:49:48 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 12 04:04:48 2025
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 996
Delta R.T. 0.006 min
Lab File: VW032085.D
Acq: 14 Aug 2025 12:02

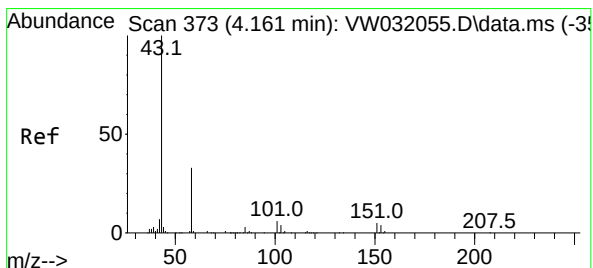
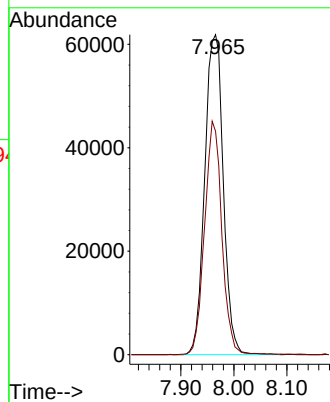
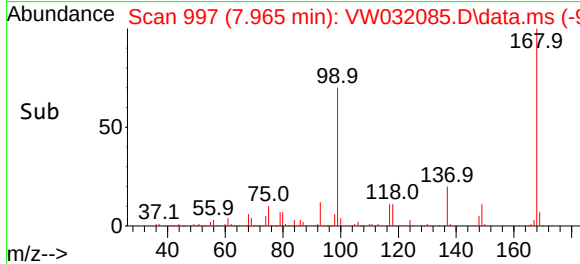
Instrument :
MSVOA_W
ClientSampleId :
82H-W



Tgt Ion: 168 Resp: 150560
Ion Ratio Lower Upper
168 100
99 69.7 56.0 84.0

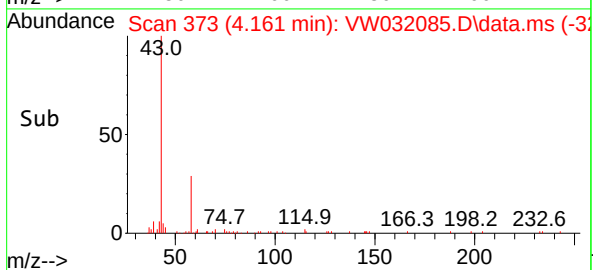
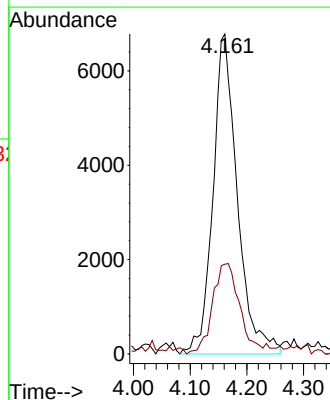
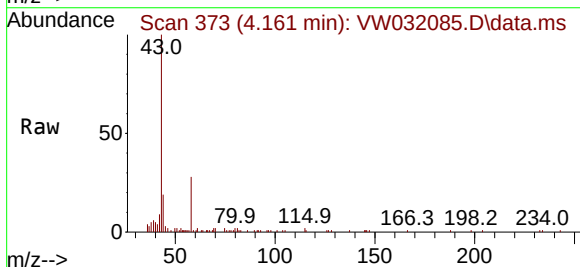
Manual Integrations
APPROVED

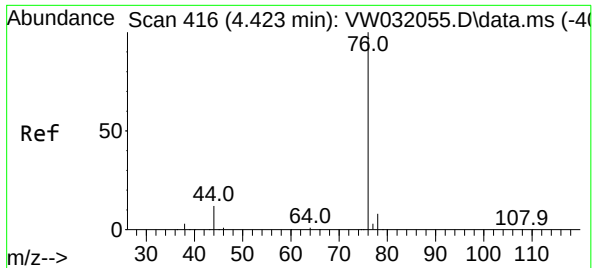
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025



#16
Acetone
Concen: 40.202 ug/l
RT: 4.161 min Scan# 373
Delta R.T. -0.000 min
Lab File: VW032085.D
Acq: 14 Aug 2025 12:02

Tgt Ion: 43 Resp: 20268
Ion Ratio Lower Upper
43 100
58 26.1 26.6 39.8#





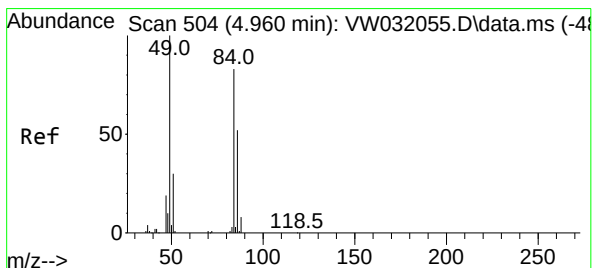
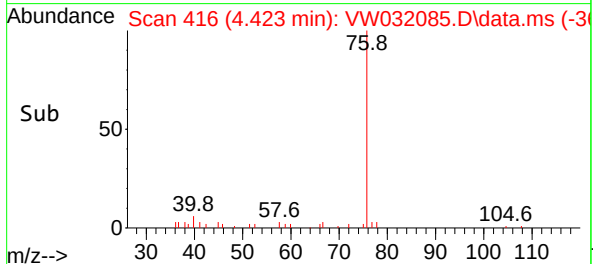
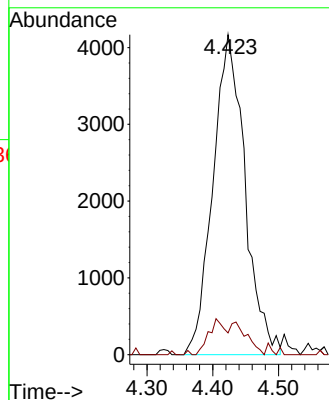
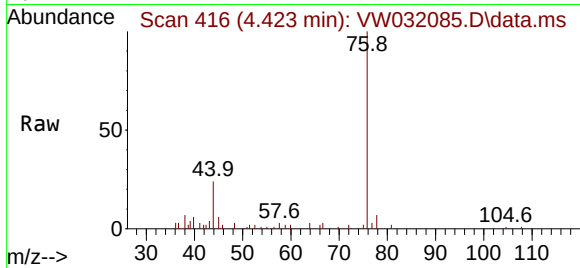
#17
Carbon Disulfide
Concen: 2.880 ug/l
RT: 4.423 min Scan# 416
Delta R.T. -0.000 min
Lab File: VW032085.D
Acq: 14 Aug 2025 12:02

Instrument :
MSVOA_W
ClientSampleId :
82H-W

Tgt Ion: 76 Resp: 1411
Ion Ratio Lower Upper
76 100
78 6.8 6.4 9.6

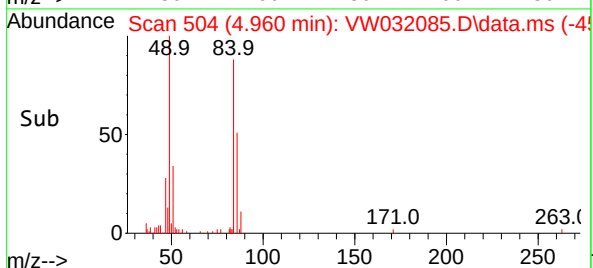
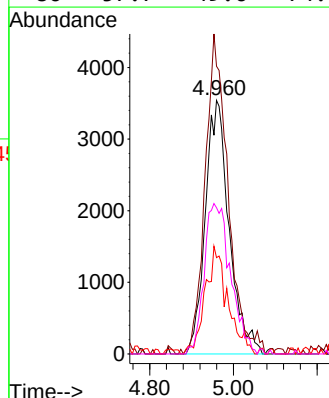
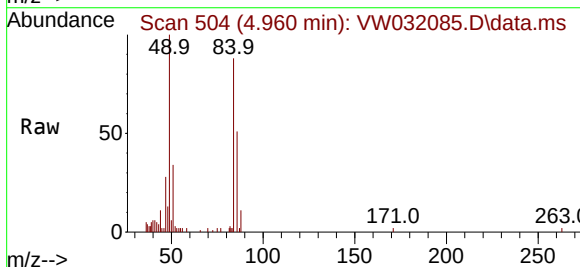
Manual Integrations
APPROVED

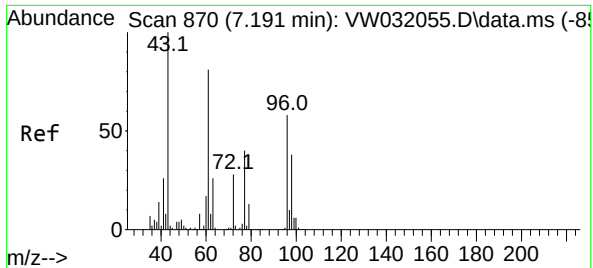
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025



#20
Methylene Chloride
Concen: 6.043 ug/l m
RT: 4.960 min Scan# 504
Delta R.T. -0.000 min
Lab File: VW032085.D
Acq: 14 Aug 2025 12:02

Tgt Ion: 84 Resp: 14087
Ion Ratio Lower Upper
84 100
49 113.4 95.9 143.9
51 38.0 28.6 43.0
86 57.7 49.6 74.4





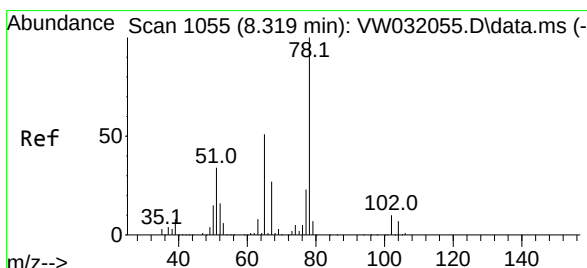
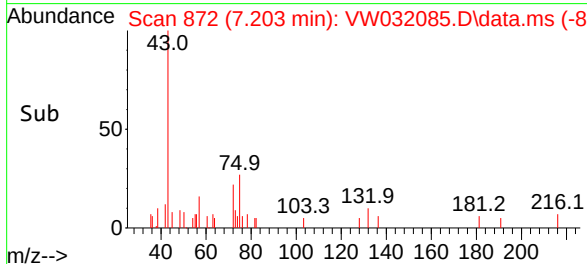
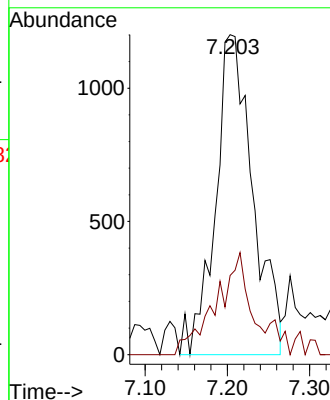
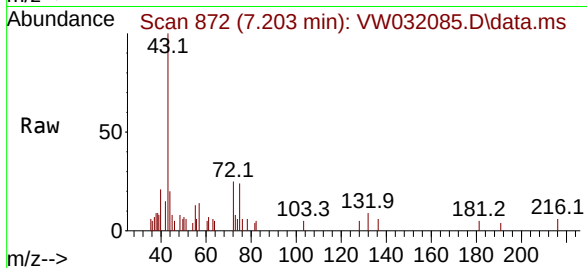
#25
2-Butanone
Concen: 5.324 ug/l
RT: 7.203 min Scan# 81
Delta R.T. 0.012 min
Lab File: VW032085.D
Acq: 14 Aug 2025 12:02

Instrument :
MSVOA_W
ClientSampleId :
82H-W

Tgt Ion: 43 Resp: 381
Ion Ratio Lower Upper
43 100
72 20.5 22.3 33.5

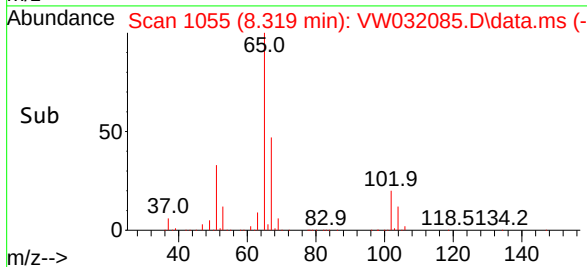
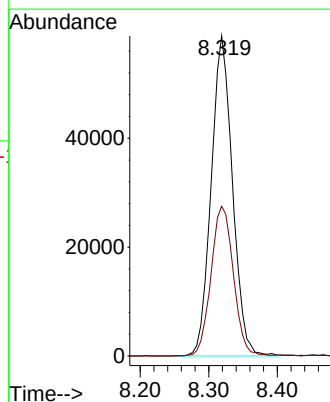
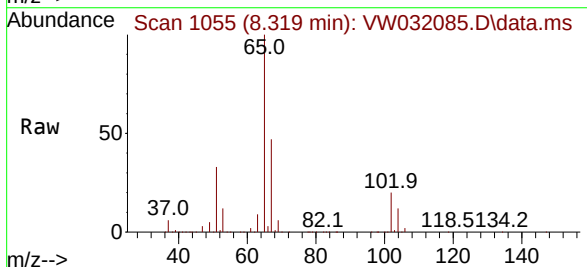
Manual Integrations
APPROVED

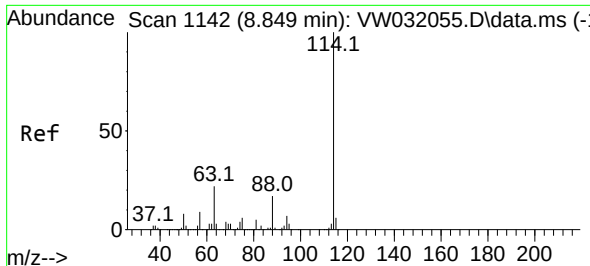
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025



#33
1,2-Dichloroethane-d4
Concen: 58.164 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VW032085.D
Acq: 14 Aug 2025 12:02

Tgt Ion: 65 Resp: 126653
Ion Ratio Lower Upper
65 100
67 49.3 0.0 102.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1143

Delta R.T. 0.006 min

Lab File: VW032085.D

Acq: 14 Aug 2025 12:02

Instrument :

MSVOA_W

ClientSampleId :

82H-W

Tgt Ion:114 Resp: 312304

Ion Ratio Lower Upper

114 100

63 19.9 0.0 43.0

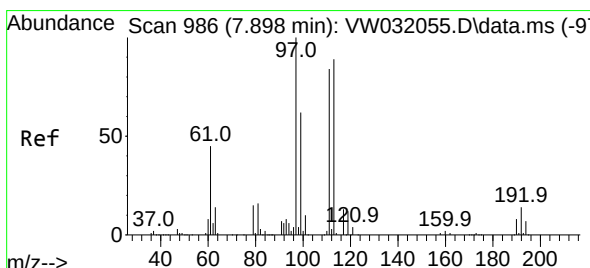
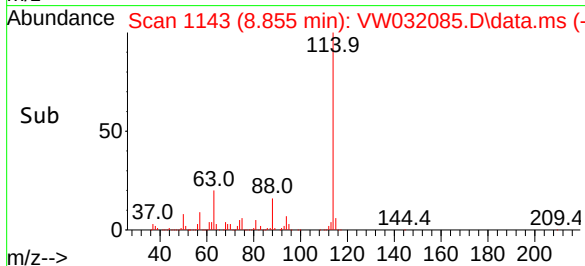
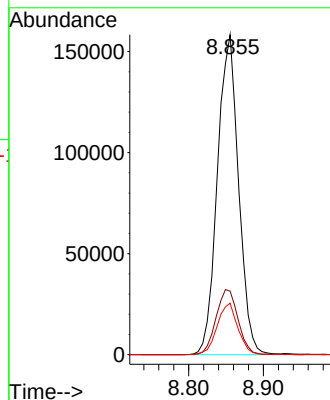
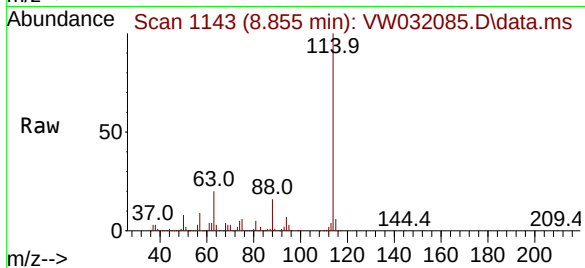
88 16.1 0.0 33.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/19/2025

Supervised By :Mahesh Dadoda 08/19/2025



#35

Dibromofluoromethane

Concen: 55.445 ug/l

RT: 7.904 min Scan# 987

Delta R.T. 0.006 min

Lab File: VW032085.D

Acq: 14 Aug 2025 12:02

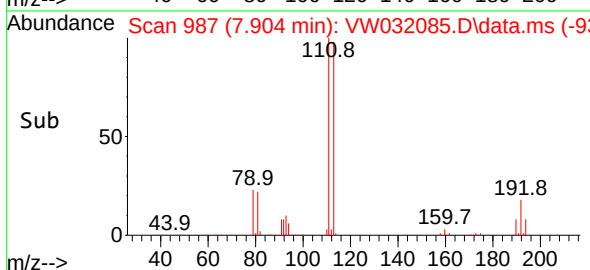
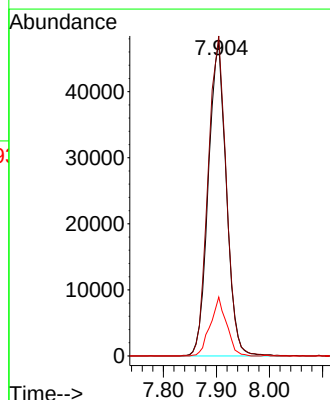
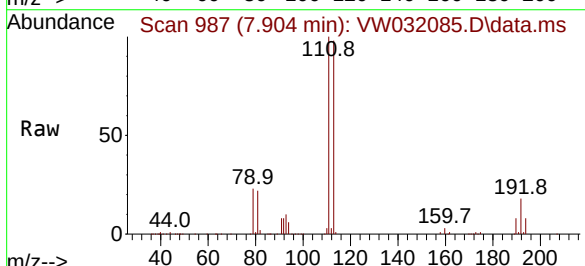
Tgt Ion:113 Resp: 111867

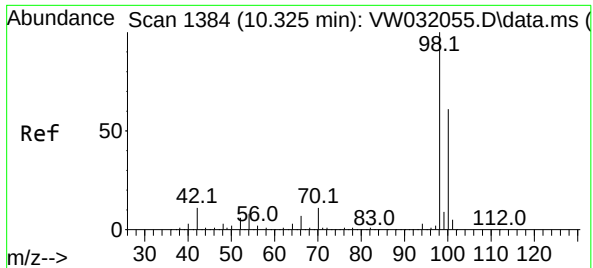
Ion Ratio Lower Upper

113 100

111 103.5 80.1 120.1

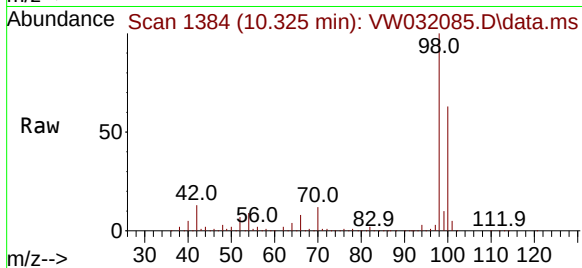
192 17.0 13.1 19.7





#50
Toluene-d8
Concen: 50.830 ug/l
RT: 10.325 min Scan# 1384
Delta R.T. -0.000 min
Lab File: VW032085.D
Acq: 14 Aug 2025 12:02

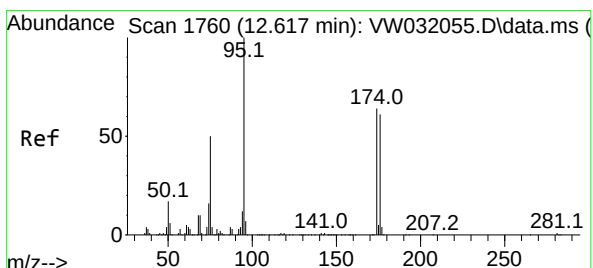
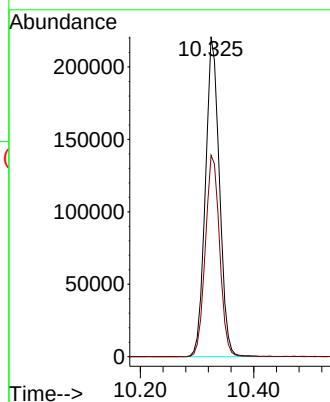
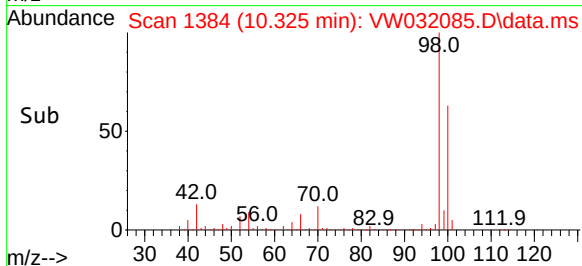
Instrument :
MSVOA_W
ClientSampleId :
82H-W



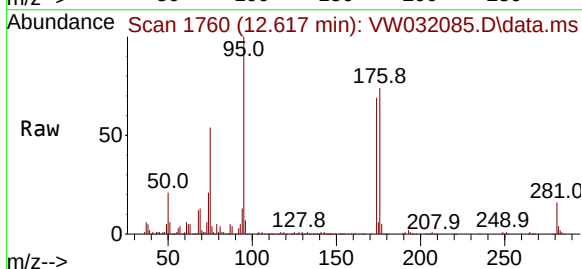
Tgt Ion: 98 Resp: 37932
Ion Ratio Lower Upper
98 100
100 64.2 51.1 76.7

Manual Integrations
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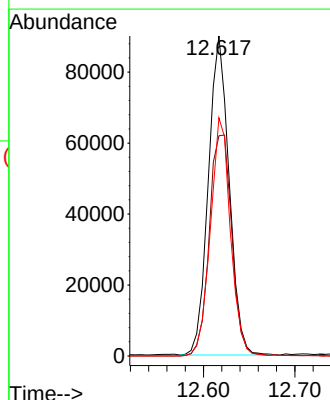
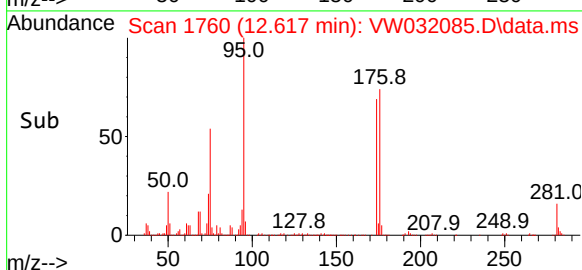
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025

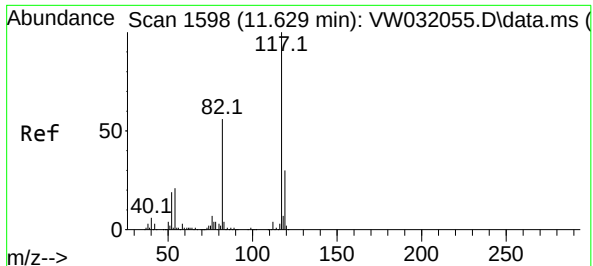


#62
4-Bromofluorobenzene
Concen: 51.561 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032085.D
Acq: 14 Aug 2025 12:02



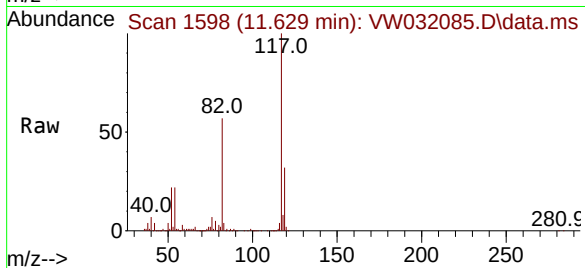
Tgt Ion: 95 Resp: 141794
Ion Ratio Lower Upper
95 100
174 75.7 0.0 129.0
176 72.2 0.0 124.6





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 11598
Delta R.T. -0.000 min
Lab File: VW032085.D
Acq: 14 Aug 2025 12:02

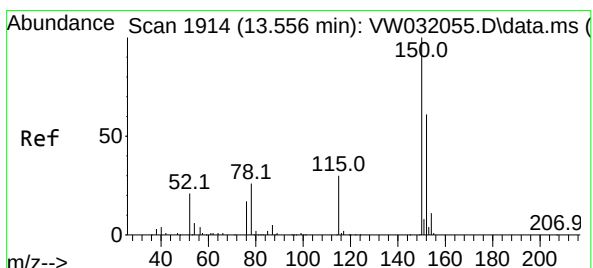
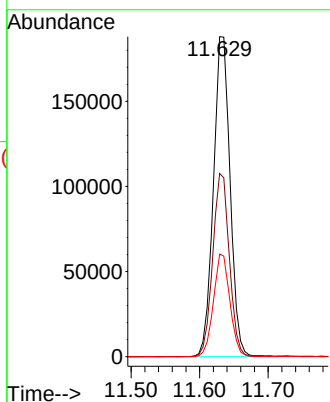
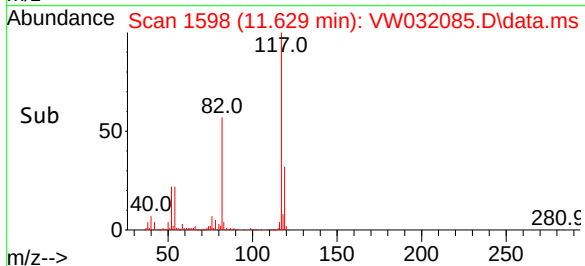
Instrument :
MSVOA_W
ClientSampleId :
82H-W



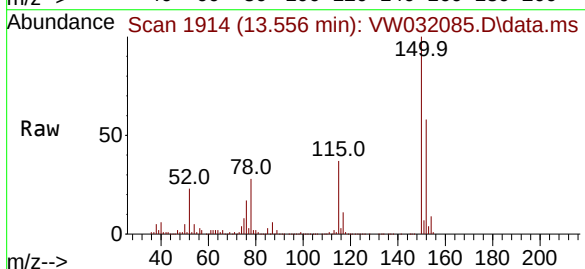
Tgt Ion:117 Resp: 317114
Ion Ratio Lower Upper
117 100
82 57.3 45.0 67.4
119 32.0 24.2 36.4

Manual Integrations
APPROVED

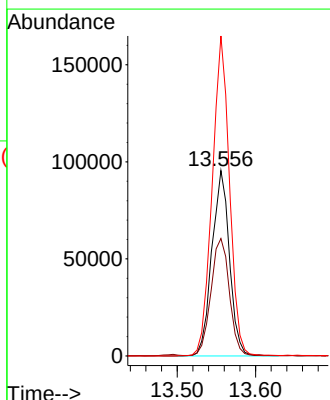
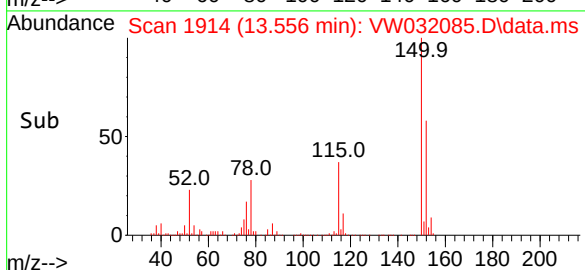
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. -0.000 min
Lab File: VW032085.D
Acq: 14 Aug 2025 12:02



Tgt Ion:152 Resp: 149119
Ion Ratio Lower Upper
152 100
115 65.9 32.6 97.8
150 169.6 0.0 359.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
Data File : VW032085.D
Acq On : 14 Aug 2025 12:02
Operator : SY/MD
Sample : Q2820-02
Misc : 7.92g/5mL/MSVOA_W/SOIL/A
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
82H-W

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Title : SW846 8260

Signal : TIC: VW032085.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.155	365	372	386	rVB2	13850	46253	4.19%	0.634%
2	4.423	406	416	424	rBV2	5871	19342	1.75%	0.265%
3	4.960	494	504	524	rBV2	14377	64054	5.80%	0.878%
4	5.972	660	670	681	rVB9	4157	14089	1.28%	0.193%
5	7.197	858	871	884	rVB9	3019	12226	1.11%	0.168%
6	7.904	976	987	991	rBV	161094	377975	34.23%	5.181%
7	7.959	991	996	1008	rVB	217891	508378	46.04%	6.969%
8	8.319	1045	1055	1067	rBV	156178	345609	31.30%	4.738%
9	8.855	1133	1143	1153	rBV	381710	776588	70.34%	10.645%
10	10.325	1376	1384	1391	rBV	595621	1033549	93.61%	14.168%
11	10.392	1391	1395	1400	rVB	15614	28584	2.59%	0.392%
12	10.507	1408	1414	1420	rVB4	10230	17235	1.56%	0.236%
13	11.416	1554	1563	1571	rVB8	8593	24890	2.25%	0.341%
14	11.513	1573	1579	1584	rVB3	7480	12917	1.17%	0.177%
15	11.629	1591	1598	1607	rBV	600029	1015110	91.94%	13.915%
16	11.843	1623	1633	1636	rBV3	22155	45812	4.15%	0.628%
17	11.916	1642	1645	1651	rVB3	7127	11998	1.09%	0.164%
18	12.013	1656	1661	1666	rBV2	22220	35281	3.20%	0.484%
19	12.135	1674	1681	1692	rBV9	14887	43630	3.95%	0.598%
20	12.251	1692	1700	1704	rVB3	14723	26257	2.38%	0.360%
21	12.361	1704	1718	1719	rBV6	21393	57100	5.17%	0.783%
22	12.525	1738	1745	1750	rBV6	11682	30132	2.73%	0.413%
23	12.617	1752	1760	1768	rVB2	484841	872426	79.02%	11.959%
24	12.714	1772	1776	1782	rVB9	7795	14269	1.29%	0.196%
25	12.775	1782	1786	1792	rVB7	22218	43016	3.90%	0.590%
26	12.855	1792	1799	1803	rBV6	12799	29351	2.66%	0.402%
27	12.928	1804	1811	1819	rBV4	68343	186130	16.86%	2.551%
28	13.074	1832	1835	1839	rVB3	10444	13737	1.24%	0.188%
29	13.123	1839	1843	1845	rBV3	9401	13871	1.26%	0.190%
30	13.159	1845	1849	1852	rBV3	22152	31097	2.82%	0.426%
31	13.403	1881	1889	1892	rBV4	25146	55633	5.04%	0.763%
32	13.446	1892	1896	1899	rVV2	36545	64758	5.87%	0.888%
33	13.495	1899	1904	1908	rVV2	28767	65709	5.95%	0.901%
34	13.556	1908	1914	1930	rVB	644313	1104090	100.00%	15.135%
35	13.696	1931	1937	1941	rVB7	8850	15146	1.37%	0.208%
36	13.757	1941	1947	1952	rBV7	12242	26811	2.43%	0.368%

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
Data File : VW032085.D
Acq On : 14 Aug 2025 12:02
Operator : SY/MD
Sample : Q2820-02
Misc : 7.92g/5mL/MSVOA_W/SOIL/A
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
82H-W

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M

Title : SW846 8260

37	13.873	1961	1966	1971	rBV4	44952	80697	7.31%	1.106%
38	14.062	1993	1997	2004	rVB	16712	26855	2.43%	0.368%
39	14.208	2014	2021	2025	rBV7	8833	20719	1.88%	0.284%
40	14.379	2045	2049	2053	rBV5	10189	15118	1.37%	0.207%
41	14.495	2063	2068	2071	rBV5	9871	18625	1.69%	0.255%
42	14.714	2100	2104	2109	rVB5	8940	13481	1.22%	0.185%
43	14.915	2133	2137	2142	rVB4	9932	15030	1.36%	0.206%
44	15.110	2163	2169	2176	rBV10	9505	21578	1.95%	0.296%

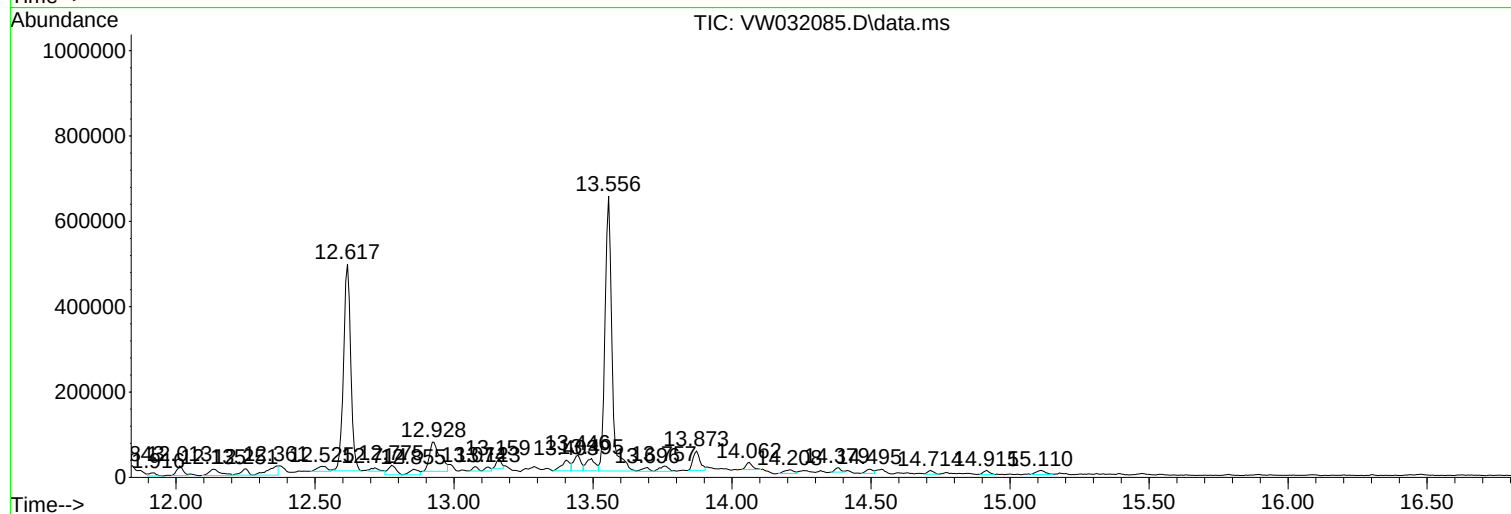
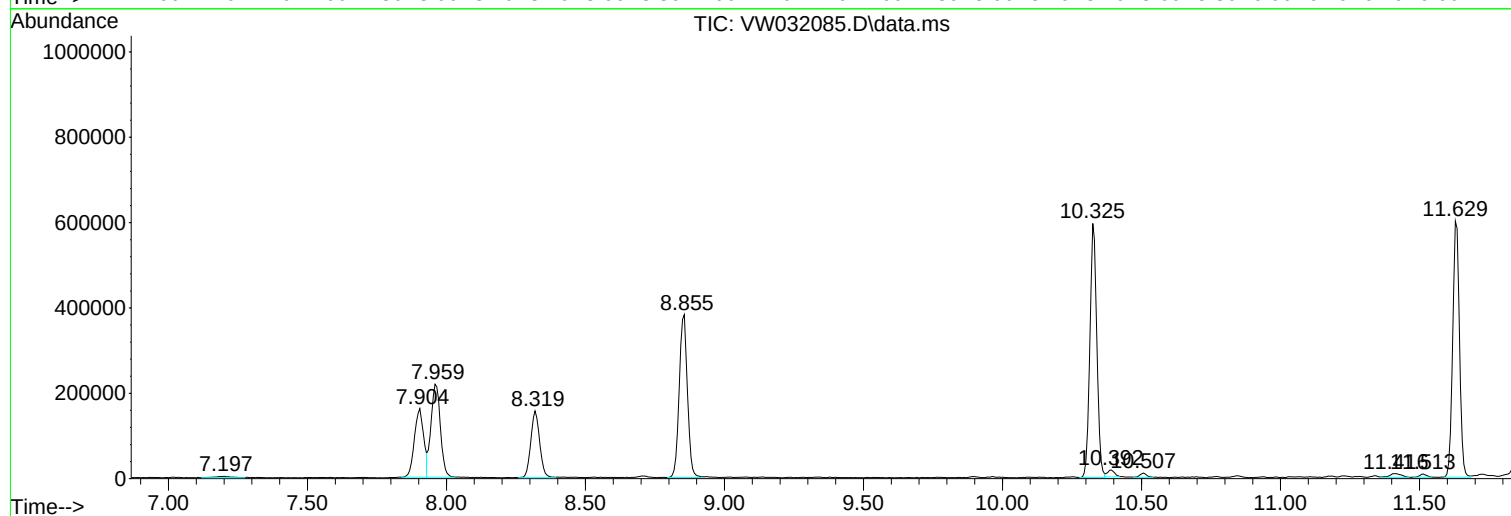
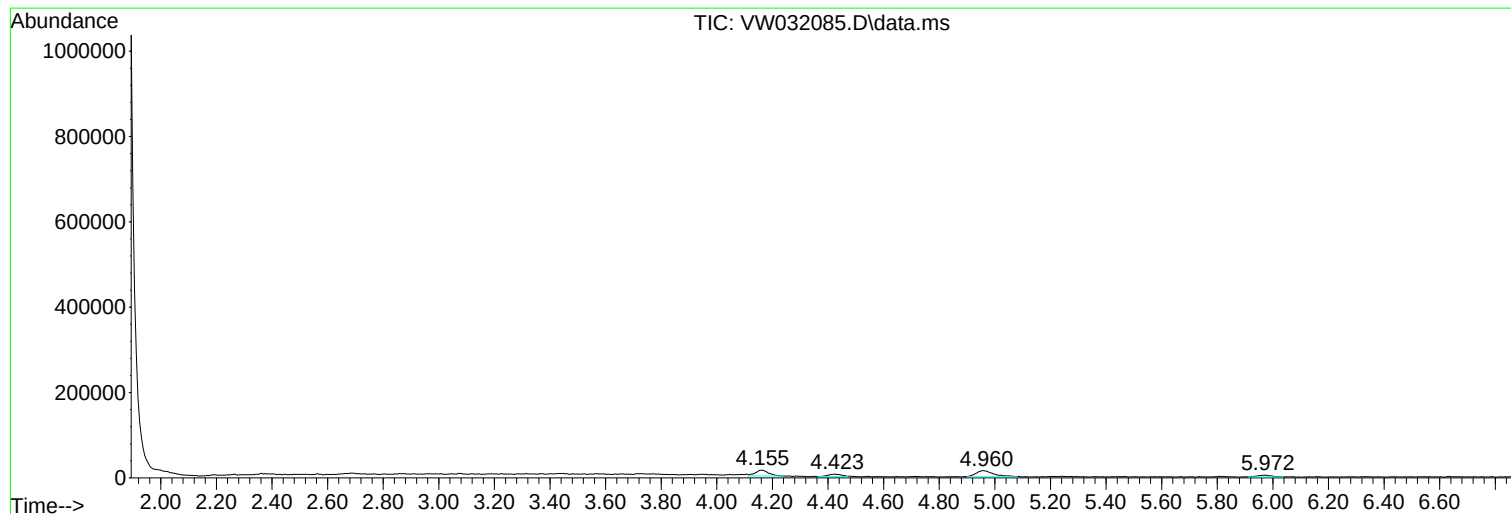
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Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
Data File : VW032085.D
Acq On : 14 Aug 2025 12:02
Operator : SY/MD
Sample : Q2820-02
Misc : 7.92g/5mL/MSVOA_W/SOIL/A
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
82H-W

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
Data File : VW032085.D
Acq On : 14 Aug 2025 12:02
Operator : SY/MD
Sample : Q2820-02
Misc : 7.92g/5mL/MSVOA_W/SOIL/A
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
82H-W

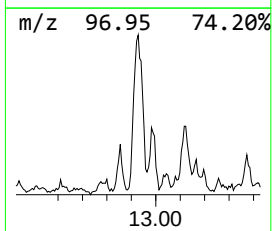
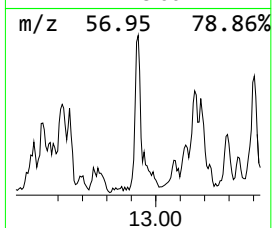
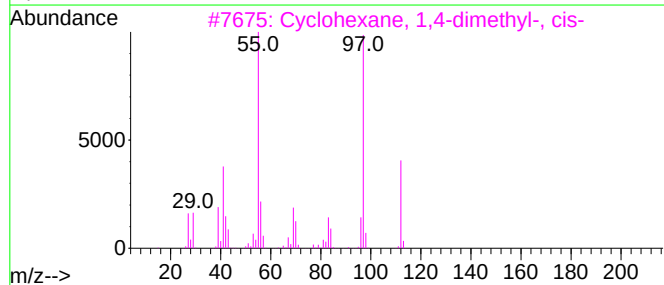
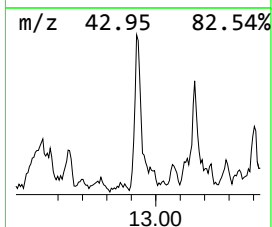
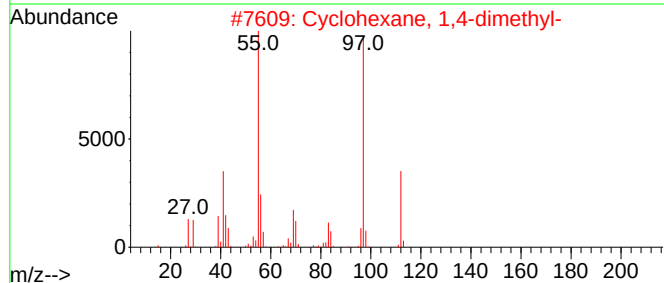
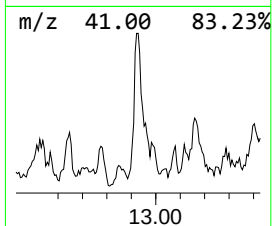
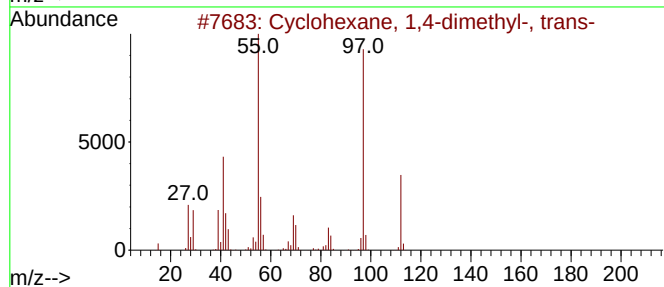
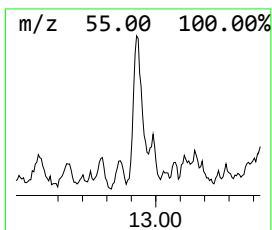
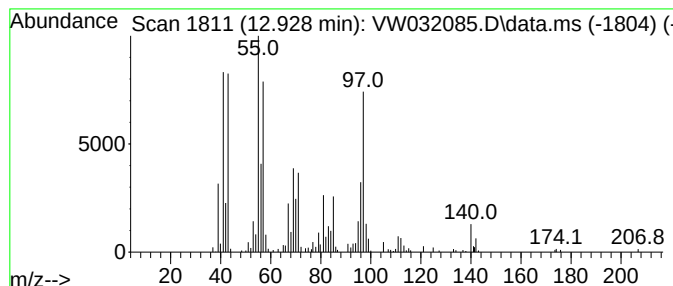
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260

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

Peak Number 1 unknown12.928 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.928	8.43 ug/l	186130	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	46
2			Cyclohexane, 1,4-dimethyl-	112	C8H16	000589-90-2	46
3			Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	43
4			1-Methyl-4-(1-methylethyl)-cyclo...	140	C10H20	000099-82-1	43
5			Cycloheptane, methyl-	112	C8H16	004126-78-7	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
Data File : VW032085.D
Acq On : 14 Aug 2025 12:02
Operator : SY/MD
Sample : Q2820-02
Misc : 7.92g/5mL/MSVOA_W/SOIL/A
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
82H-W

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
unknown12.928	12.928	8.4	ug/l	186130	4	13.556	1104090	50.0

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	82H-N	SDG No.:	Q2820
Lab Sample ID:	Q2820-03	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	87.4
Sample Wt/Vol:	7.62 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032086.D	1	08/14/25 12:24	VW081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	3.00	U	0.86	3.00	3.80	ug/Kg
74-87-3	Chloromethane	1.90	U	0.86	1.90	3.80	ug/Kg
75-01-4	Vinyl Chloride	1.90	U	0.59	1.90	3.80	ug/Kg
74-83-9	Bromomethane	3.00	U	0.80	3.00	3.80	ug/Kg
75-00-3	Chloroethane	1.90	U	0.95	1.90	3.80	ug/Kg
75-69-4	Trichlorofluoromethane	3.00	U	0.91	3.00	3.80	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.90	U	0.80	1.90	3.80	ug/Kg
75-35-4	1,1-Dichloroethene	1.90	U	0.75	1.90	3.80	ug/Kg
67-64-1	Acetone	12.1	J	3.60	15.0	18.8	ug/Kg
75-15-0	Carbon Disulfide	3.00	U	0.80	3.00	3.80	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.90	U	0.55	1.90	3.80	ug/Kg
79-20-9	Methyl Acetate	3.00	U	1.20	3.00	3.80	ug/Kg
75-09-2	Methylene Chloride	4.70	J	2.70	6.00	7.50	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.90	U	0.65	1.90	3.80	ug/Kg
75-34-3	1,1-Dichloroethane	1.90	U	0.60	1.90	3.80	ug/Kg
110-82-7	Cyclohexane	1.90	U	0.59	1.90	3.80	ug/Kg
78-93-3	2-Butanone	15.0	U	4.90	15.0	18.8	ug/Kg
56-23-5	Carbon Tetrachloride	1.90	U	0.73	1.90	3.80	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1.90	U	0.56	1.90	3.80	ug/Kg
74-97-5	Bromochloromethane	3.00	U	0.86	3.00	3.80	ug/Kg
67-66-3	Chloroform	3.00	U	0.63	3.00	3.80	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.90	U	0.70	1.90	3.80	ug/Kg
108-87-2	Methylcyclohexane	1.90	U	0.68	1.90	3.80	ug/Kg
71-43-2	Benzene	1.90	U	0.59	1.90	3.80	ug/Kg
107-06-2	1,2-Dichloroethane	1.90	U	0.59	1.90	3.80	ug/Kg
79-01-6	Trichloroethene	1.90	U	0.61	1.90	3.80	ug/Kg
78-87-5	1,2-Dichloropropane	1.90	U	0.68	1.90	3.80	ug/Kg
75-27-4	Bromodichloromethane	1.90	U	0.59	1.90	3.80	ug/Kg
108-10-1	4-Methyl-2-Pentanone	9.40	U	2.70	9.40	18.8	ug/Kg
108-88-3	Toluene	1.90	U	0.59	1.90	3.80	ug/Kg

Report of Analysis

Client:	First Environment, Inc.		Date Collected:	08/06/25	
Project:	USACE018-44 DOD		Date Received:	08/08/25	
Client Sample ID:	82H-N		SDG No.:	Q2820	
Lab Sample ID:	Q2820-03		Matrix:	SOIL	
Analytical Method:	8260D		% Solid:	87.4	
Sample Wt/Vol:	7.62	Units: g	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032086.D	1	08/14/25 12:24	VW081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	1.90	U	0.49	1.90	3.80	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.90	U	0.47	1.90	3.80	ug/Kg
79-00-5	1,1,2-Trichloroethane	1.90	U	0.69	1.90	3.80	ug/Kg
591-78-6	2-Hexanone	9.40	U	2.80	9.40	18.8	ug/Kg
124-48-1	Dibromochloromethane	1.90	U	0.65	1.90	3.80	ug/Kg
106-93-4	1,2-Dibromoethane	1.90	U	0.66	1.90	3.80	ug/Kg
127-18-4	Tetrachloroethene	1.90	U	0.79	1.90	3.80	ug/Kg
108-90-7	Chlorobenzene	1.90	U	0.68	1.90	3.80	ug/Kg
100-41-4	Ethyl Benzene	1.90	U	0.50	1.90	3.80	ug/Kg
179601-23-1	m/p-Xylenes	3.80	U	0.93	3.80	7.50	ug/Kg
95-47-6	o-Xylene	1.90	U	0.62	1.90	3.80	ug/Kg
100-42-5	Styrene	1.90	U	0.53	1.90	3.80	ug/Kg
75-25-2	Bromoform	1.90	U	0.65	1.90	3.80	ug/Kg
98-82-8	Isopropylbenzene	1.90	U	0.59	1.90	3.80	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.90	U	0.91	1.90	3.80	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.90	U	1.30	1.90	3.80	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.90	U	1.20	1.90	3.80	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.90	U	1.10	1.90	3.80	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.00	U	1.40	3.00	3.80	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.00	U	2.20	3.00	3.80	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.00	U	2.40	3.00	3.80	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	57.5		71 - 136		115%	SPK: 50
1868-53-7	Dibromofluoromethane	55.7		78 - 119		111%	SPK: 50
2037-26-5	Toluene-d8	52.2		85 - 116		104%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.2		79 - 119		104%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	158000	7.965				
540-36-3	1,4-Difluorobenzene	312000	8.849				
3114-55-4	Chlorobenzene-d5	306000	11.629				
3855-82-1	1,4-Dichlorobenzene-d4	150000	13.556				

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	82H-N	SDG No.:	Q2820
Lab Sample ID:	Q2820-03	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	87.4
Sample Wt/Vol:	7.62 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032086.D	1	08/14/25 12:24	VW081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
Data File : VW032086.D
Acq On : 14 Aug 2025 12:24
Operator : SY/MD
Sample : Q2820-03
Misc : 7.62g/5mL/MSVOA_W/SOIL/A
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
82H-N

Quant Time: Aug 18 03:50:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 12 04:04:48 2025
Response via : Initial Calibration

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

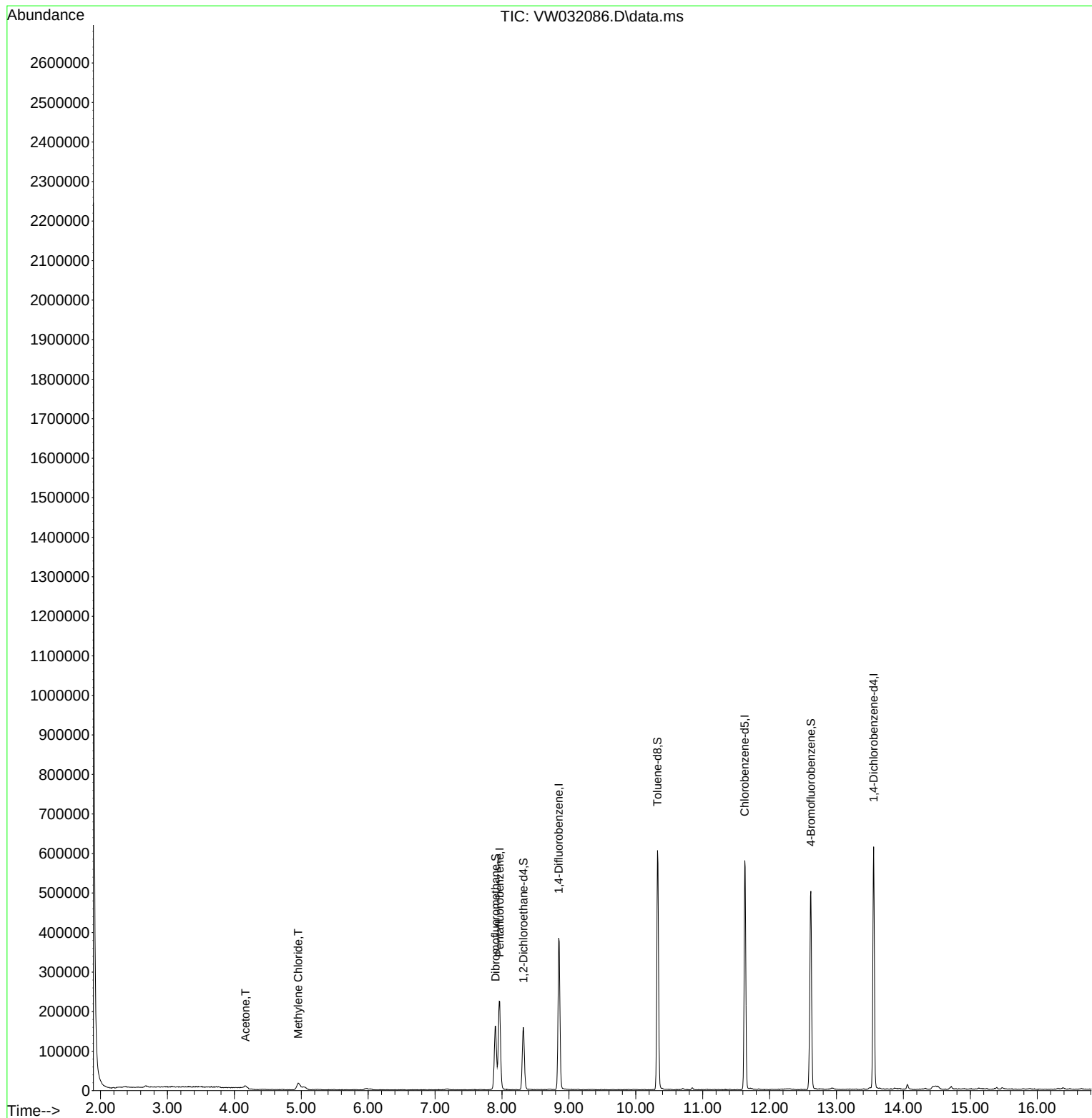
Internal Standards						
1) Pentafluorobenzene	7.965	168	157879	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.849	114	311642	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	306017	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	150411	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	131250	57.481	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	= 114.960%		
35) Dibromofluoromethane	7.904	113	112046	55.652	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	= 111.300%		
50) Toluene-d8	10.325	98	388880	52.222	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	= 104.440%		
62) 4-Bromofluorobenzene	12.617	95	143127	52.156	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	= 104.320%		
Target Compounds						Qvalue
16) Acetone	4.167	43	8531	16.137	ug/l	# 86
20) Methylene Chloride	4.954	84	15161	6.203	ug/l	94

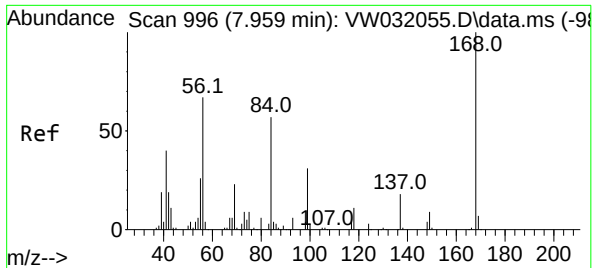
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
Data File : VW032086.D
Acq On : 14 Aug 2025 12:24
Operator : SY/MD
Sample : Q2820-03
Misc : 7.62g/5mL/MSVOA_W/SOIL/A
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
82H-N

Quant Time: Aug 18 03:50:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 12 04:04:48 2025
Response via : Initial Calibration

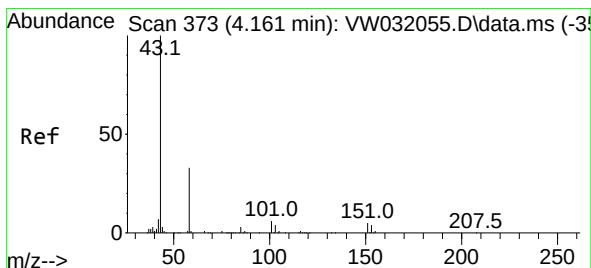
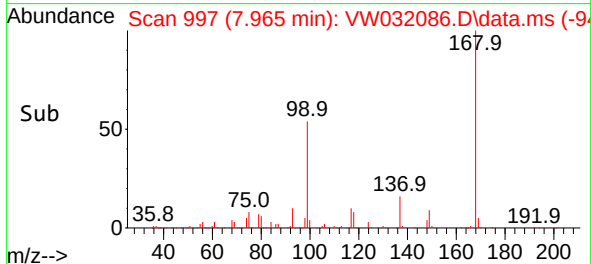
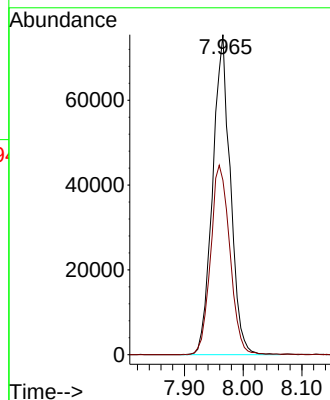
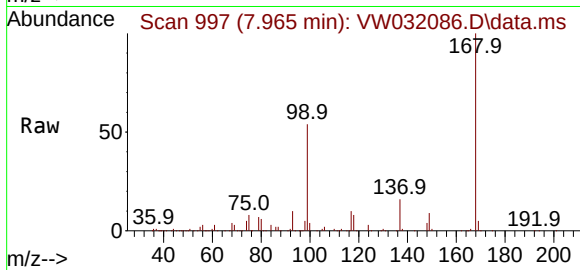




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 996
Delta R.T. 0.006 min
Lab File: VW032086.D
Acq: 14 Aug 2025 12:24

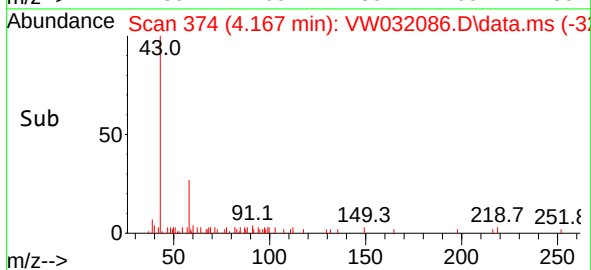
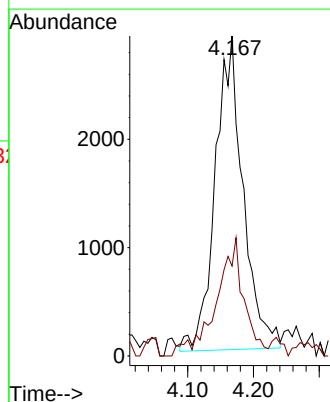
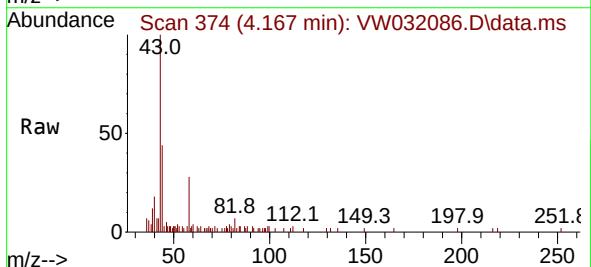
Instrument :
MSVOA_W
ClientSampleId :
82H-N

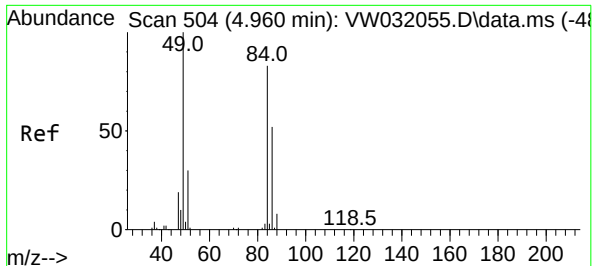
Tgt Ion:168 Resp: 157879
Ion Ratio Lower Upper
168 100
99 54.5 56.0 84.0#



#16
Acetone
Concen: 16.137 ug/l
RT: 4.167 min Scan# 374
Delta R.T. 0.006 min
Lab File: VW032086.D
Acq: 14 Aug 2025 12:24

Tgt Ion: 43 Resp: 8531
Ion Ratio Lower Upper
43 100
58 25.1 26.6 39.8#





#20

Methylene Chloride

Concen: 6.203 ug/l

RT: 4.954 min Scan# 504

Delta R.T. -0.006 min

Lab File: VW032086.D

Acq: 14 Aug 2025 12:24

Instrument :

MSVOA_W

ClientSampleId :

82H-N

Tgt Ion: 84 Resp: 15161

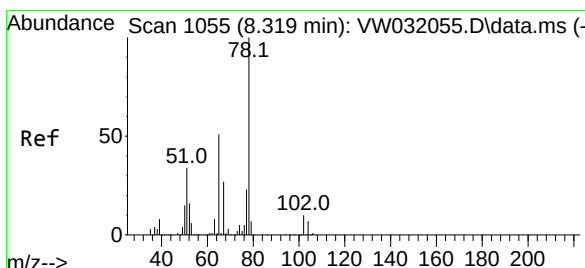
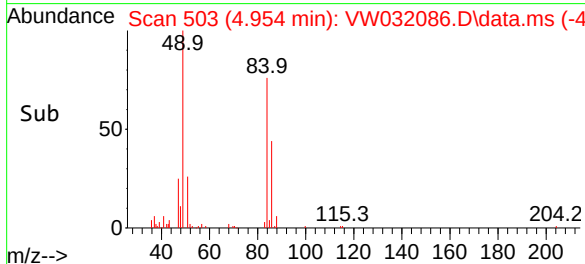
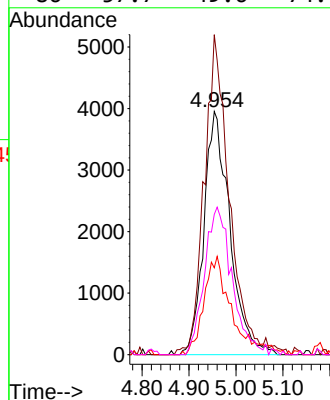
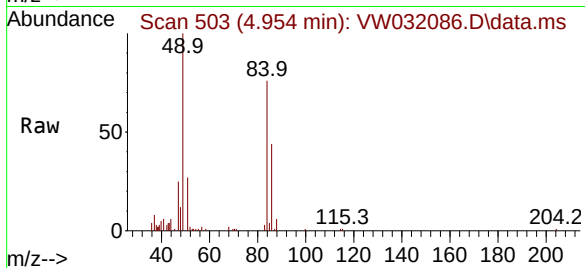
Ion Ratio Lower Upper

84 100

49 129.4 95.9 143.9

51 35.7 28.6 43.0

86 57.7 49.6 74.4



#33

1,2-Dichloroethane-d4

Concen: 57.481 ug/l

RT: 8.319 min Scan# 1055

Delta R.T. 0.000 min

Lab File: VW032086.D

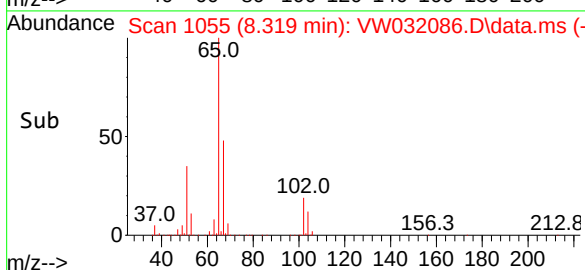
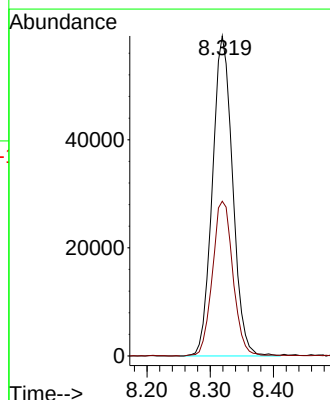
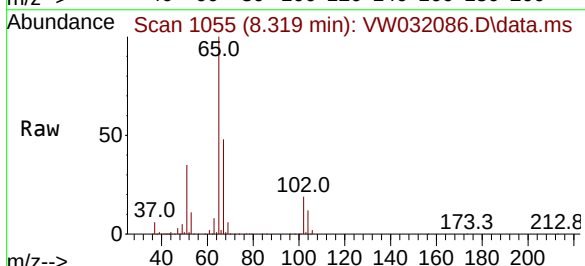
Acq: 14 Aug 2025 12:24

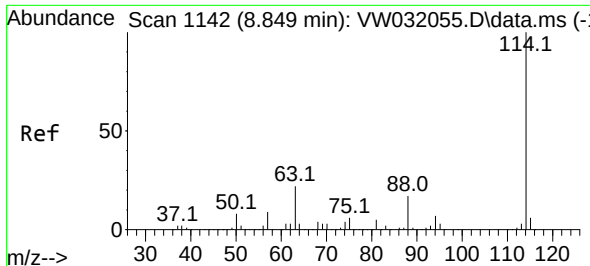
Tgt Ion: 65 Resp: 131250

Ion Ratio Lower Upper

65 100

67 49.2 0.0 102.4

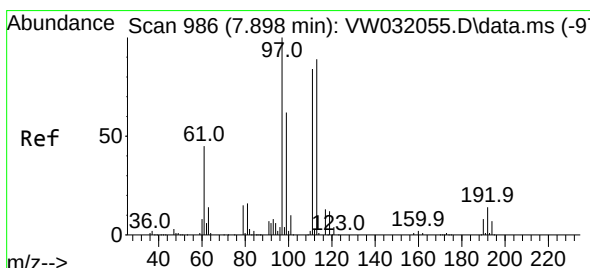
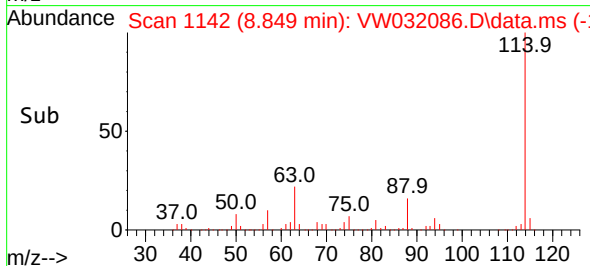
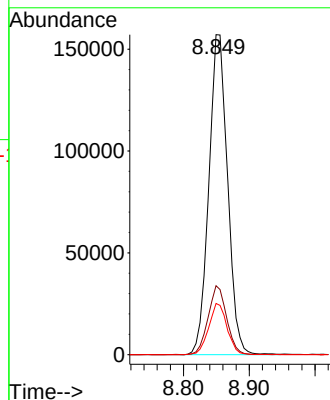
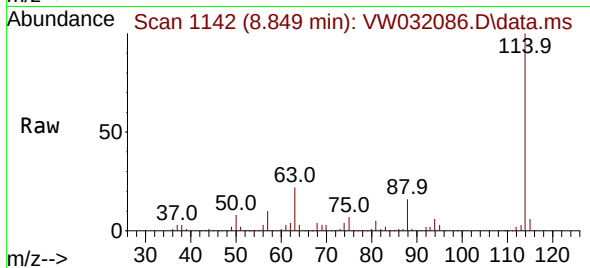




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 1142
Delta R.T. 0.000 min
Lab File: VW032086.D
Acq: 14 Aug 2025 12:24

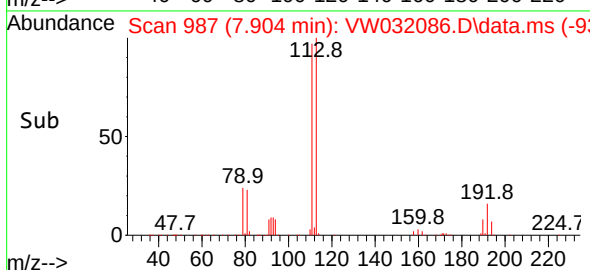
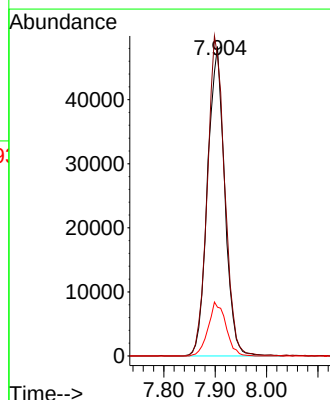
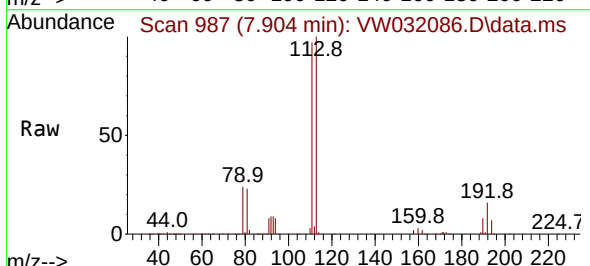
Instrument :
MSVOA_W
ClientSampleId :
82H-N

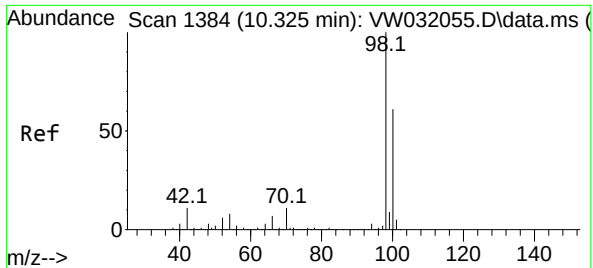
Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.5	0.0	43.0
88	16.0	0.0	33.8



#35
Dibromofluoromethane
Concen: 55.652 ug/l
RT: 7.904 min Scan# 987
Delta R.T. 0.006 min
Lab File: VW032086.D
Acq: 14 Aug 2025 12:24

Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.3	80.1	120.1
192	18.0	13.1	19.7

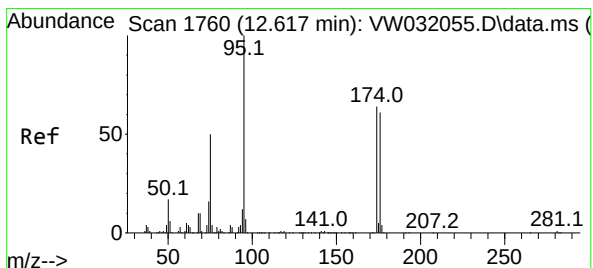
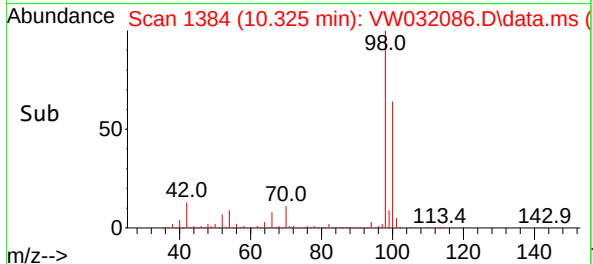
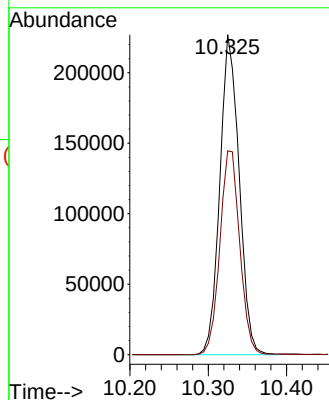
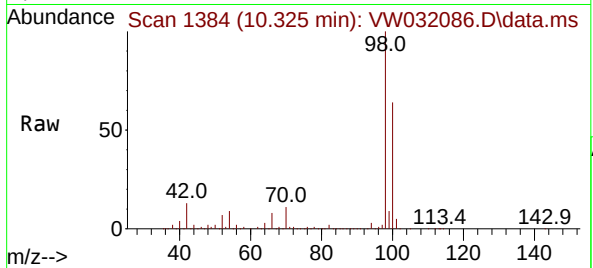




#50
Toluene-d8
Concen: 52.222 ug/l
RT: 10.325 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW032086.D
Acq: 14 Aug 2025 12:24

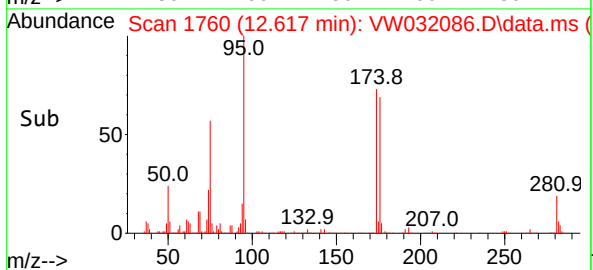
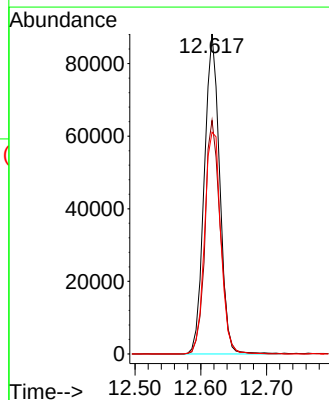
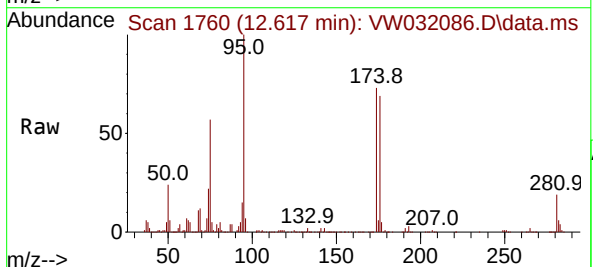
Instrument :
MSVOA_W
ClientSampleId :
82H-N

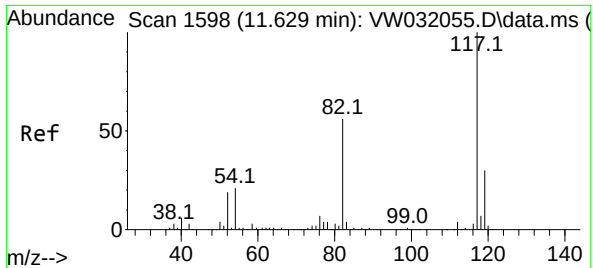
Tgt Ion: 98 Resp: 388880
Ion Ratio Lower Upper
98 100
100 65.7 51.1 76.7



#62
4-Bromofluorobenzene
Concen: 52.156 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032086.D
Acq: 14 Aug 2025 12:24

Tgt Ion: 95 Resp: 143127
Ion Ratio Lower Upper
95 100
174 72.5 0.0 129.0
176 73.1 0.0 124.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.629 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW032086.D

Acq: 14 Aug 2025 12:24

Instrument :

MSVOA_W

ClientSampleId :

82H-N

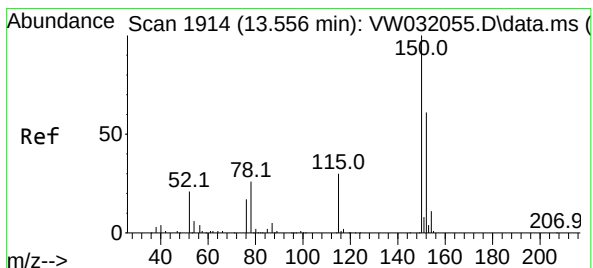
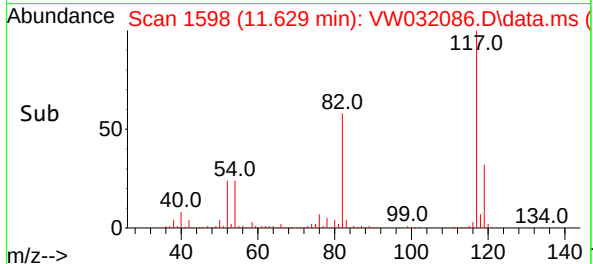
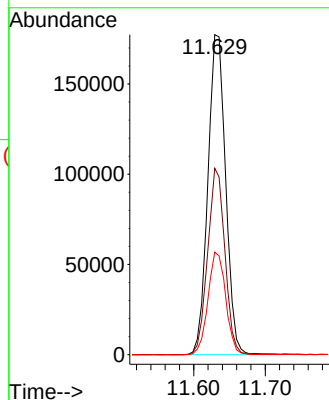
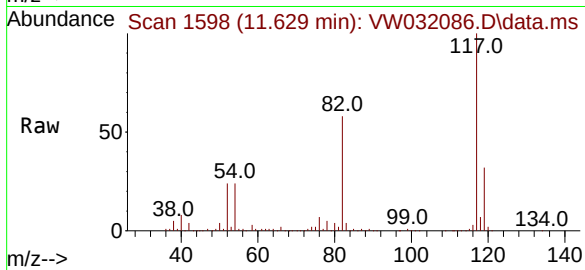
Tgt Ion:117 Resp: 306017

Ion Ratio Lower Upper

117 100

82 58.3 45.0 67.4

119 32.1 24.2 36.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.556 min Scan# 1914

Delta R.T. 0.000 min

Lab File: VW032086.D

Acq: 14 Aug 2025 12:24

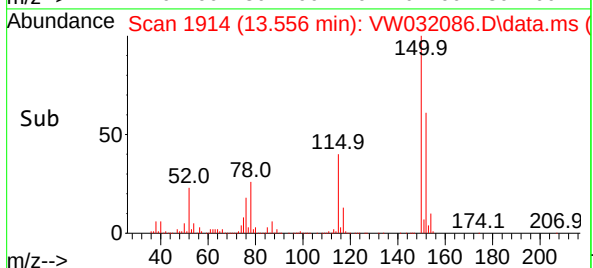
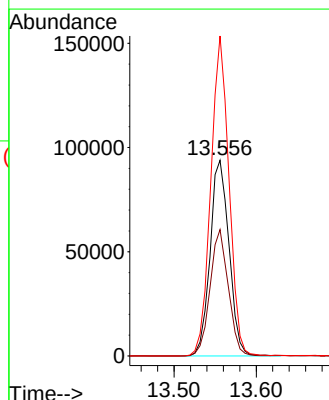
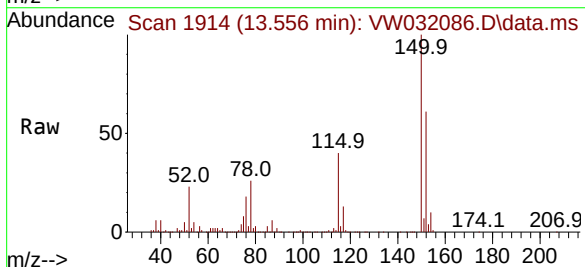
Tgt Ion:152 Resp: 150411

Ion Ratio Lower Upper

152 100

115 62.3 32.6 97.8

150 156.7 0.0 359.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
Data File : VW032086.D
Acq On : 14 Aug 2025 12:24
Operator : SY/MD
Sample : Q2820-03
Misc : 7.62g/5mL/MSVOA_W/SOIL/A
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
82H-N

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M

Title : SW846 8260

Signal : TIC: VW032086.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.161	367	373	383	rVB4	7771	27354	2.56%	0.449%
2	4.954	492	503	513	rBV2	16992	69299	6.48%	1.138%
3	7.904	975	987	991	rBV	160549	384786	36.00%	6.317%
4	7.959	991	996	1008	rVB	223170	517167	48.38%	8.490%
5	8.319	1047	1055	1065	rBV	157024	348138	32.57%	5.715%
6	8.849	1133	1142	1151	rBV	383418	766160	71.67%	12.577%
7	10.325	1377	1384	1394	rBV	605015	1068989	100.00%	17.548%
8	11.629	1589	1598	1608	rBV	580166	998701	93.42%	16.394%
9	12.617	1749	1760	1770	rBV2	502081	942905	88.21%	15.478%
10	13.556	1907	1914	1927	rVB	611204	968220	90.57%	15.894%

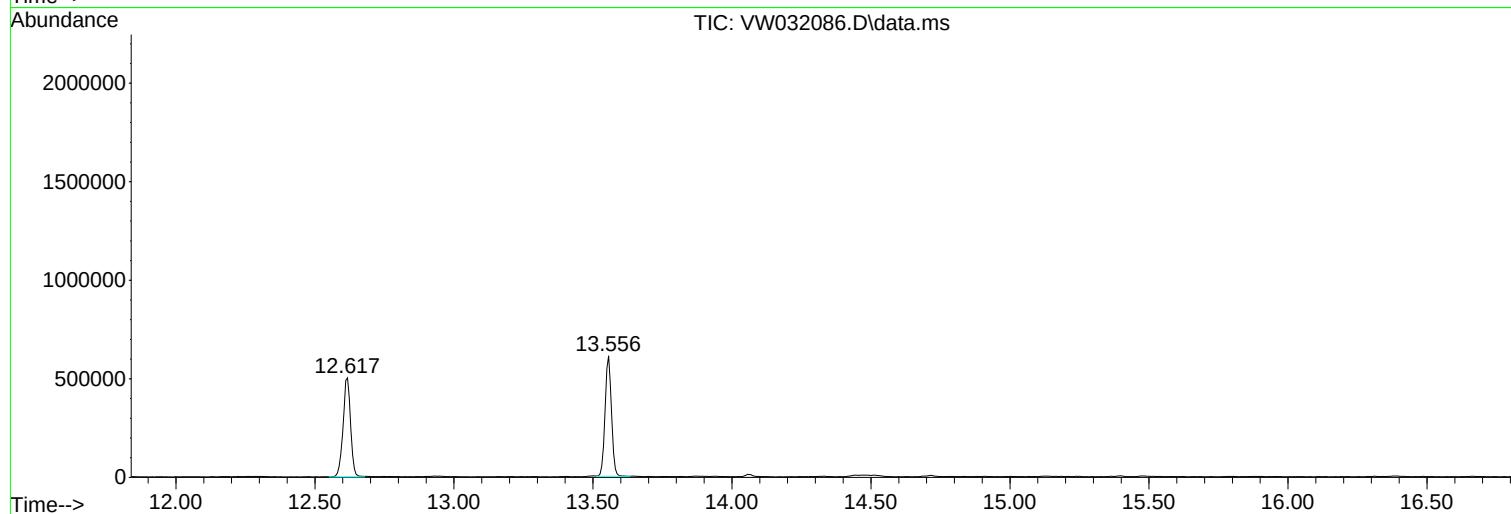
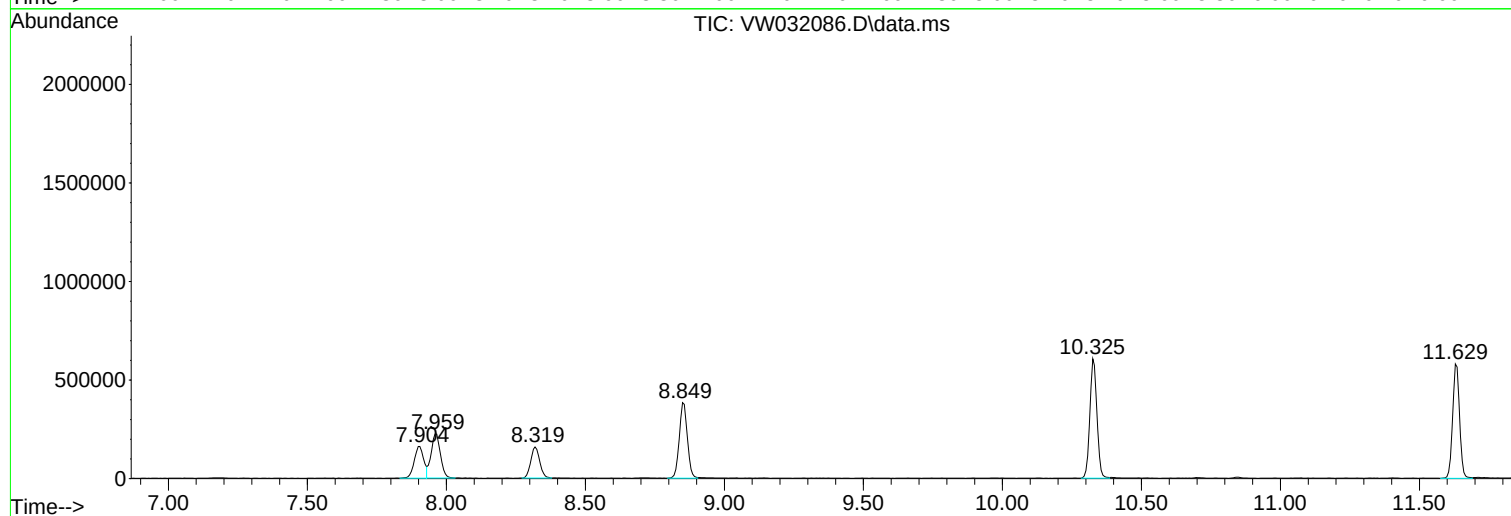
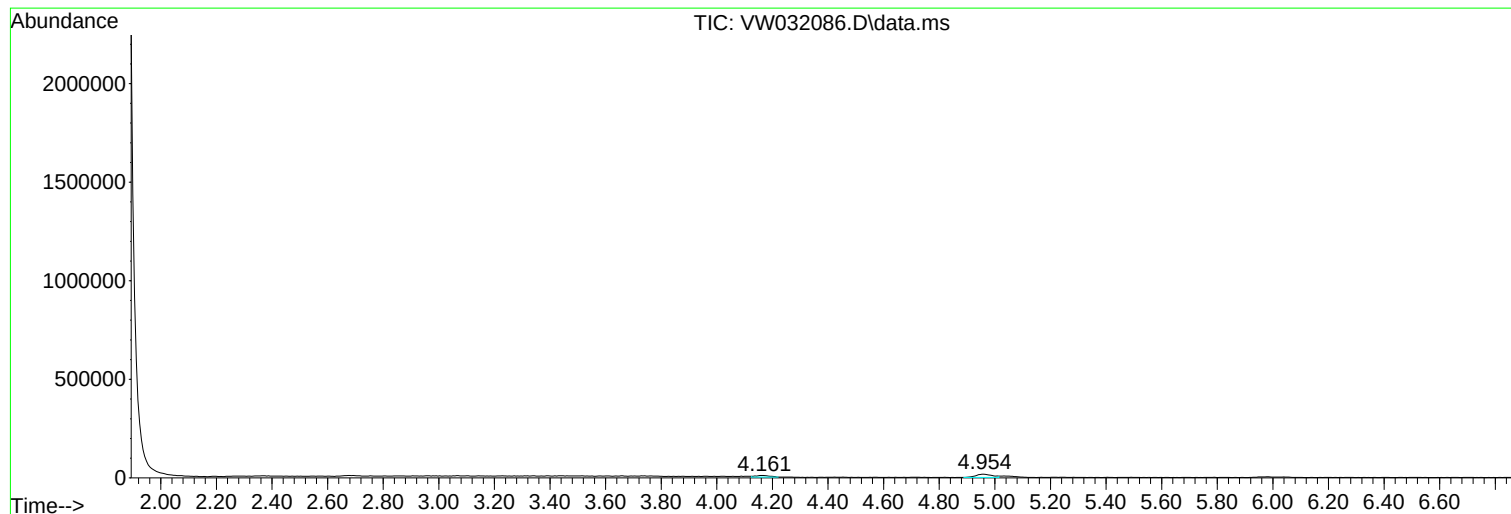
Sum of corrected areas: 6091719

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
Data File : VW032086.D
Acq On : 14 Aug 2025 12:24
Operator : SY/MD
Sample : Q2820-03
Misc : 7.62g/5mL/MSVOA_W/SOIL/A
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
82H-N

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
Data File : VW032086.D
Acq On : 14 Aug 2025 12:24
Operator : SY/MD
Sample : Q2820-03
Misc : 7.62g/5mL/MSVOA_W/SOIL/A
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
82H-N

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
Data File : VW032086.D
Acq On : 14 Aug 2025 12:24
Operator : SY/MD
Sample : Q2820-03
Misc : 7.62g/5mL/MSVOA_W/SOIL/A
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
82H-N

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260

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

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

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	SOIL-DUP-1	SDG No.:	Q2820
Lab Sample ID:	Q2820-04	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	86.8
Sample Wt/Vol:	7.8 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032087.D	1	08/14/25 12:46	VW081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	3.00	U	0.84	3.00	3.70	ug/Kg
74-87-3	Chloromethane	1.80	U	0.84	1.80	3.70	ug/Kg
75-01-4	Vinyl Chloride	1.80	U	0.58	1.80	3.70	ug/Kg
74-83-9	Bromomethane	3.00	U	0.79	3.00	3.70	ug/Kg
75-00-3	Chloroethane	1.80	U	0.93	1.80	3.70	ug/Kg
75-69-4	Trichlorofluoromethane	3.00	U	0.89	3.00	3.70	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.80	U	0.78	1.80	3.70	ug/Kg
75-35-4	1,1-Dichloroethene	1.80	U	0.74	1.80	3.70	ug/Kg
67-64-1	Acetone	14.8	U	3.50	14.8	18.5	ug/Kg
75-15-0	Carbon Disulfide	3.00	U	0.78	3.00	3.70	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.80	U	0.54	1.80	3.70	ug/Kg
79-20-9	Methyl Acetate	3.00	U	1.10	3.00	3.70	ug/Kg
75-09-2	Methylene Chloride	5.90	U	2.60	5.90	7.40	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.80	U	0.64	1.80	3.70	ug/Kg
75-34-3	1,1-Dichloroethane	1.80	U	0.59	1.80	3.70	ug/Kg
110-82-7	Cyclohexane	1.80	U	0.58	1.80	3.70	ug/Kg
78-93-3	2-Butanone	14.8	U	4.80	14.8	18.5	ug/Kg
56-23-5	Carbon Tetrachloride	1.80	U	0.72	1.80	3.70	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1.80	U	0.55	1.80	3.70	ug/Kg
74-97-5	Bromochloromethane	3.00	U	0.85	3.00	3.70	ug/Kg
67-66-3	Chloroform	3.00	U	0.62	3.00	3.70	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.80	U	0.69	1.80	3.70	ug/Kg
108-87-2	Methylcyclohexane	1.80	U	0.67	1.80	3.70	ug/Kg
71-43-2	Benzene	1.80	U	0.58	1.80	3.70	ug/Kg
107-06-2	1,2-Dichloroethane	1.80	U	0.58	1.80	3.70	ug/Kg
79-01-6	Trichloroethene	1.80	U	0.60	1.80	3.70	ug/Kg
78-87-5	1,2-Dichloropropane	1.80	U	0.67	1.80	3.70	ug/Kg
75-27-4	Bromodichloromethane	1.80	U	0.58	1.80	3.70	ug/Kg
108-10-1	4-Methyl-2-Pentanone	9.20	U	2.60	9.20	18.5	ug/Kg
108-88-3	Toluene	1.80	U	0.58	1.80	3.70	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	SOIL-DUP-1	SDG No.:	Q2820
Lab Sample ID:	Q2820-04	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	86.8
Sample Wt/Vol:	7.8 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032087.D	1	08/14/25 12:46	VW081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	1.80	U	0.48	1.80	3.70	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.80	U	0.46	1.80	3.70	ug/Kg
79-00-5	1,1,2-Trichloroethane	1.80	U	0.68	1.80	3.70	ug/Kg
591-78-6	2-Hexanone	9.20	U	2.70	9.20	18.5	ug/Kg
124-48-1	Dibromochloromethane	1.80	U	0.64	1.80	3.70	ug/Kg
106-93-4	1,2-Dibromoethane	1.80	U	0.65	1.80	3.70	ug/Kg
127-18-4	Tetrachloroethene	1.80	U	0.78	1.80	3.70	ug/Kg
108-90-7	Chlorobenzene	1.80	U	0.67	1.80	3.70	ug/Kg
100-41-4	Ethyl Benzene	1.80	U	0.49	1.80	3.70	ug/Kg
179601-23-1	m/p-Xylenes	3.70	U	0.92	3.70	7.40	ug/Kg
95-47-6	o-Xylene	1.80	U	0.61	1.80	3.70	ug/Kg
100-42-5	Styrene	1.80	U	0.52	1.80	3.70	ug/Kg
75-25-2	Bromoform	1.80	U	0.64	1.80	3.70	ug/Kg
98-82-8	Isopropylbenzene	1.80	U	0.58	1.80	3.70	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.80	U	0.89	1.80	3.70	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.80	U	1.30	1.80	3.70	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.80	U	1.20	1.80	3.70	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.80	U	1.10	1.80	3.70	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.00	U	1.40	3.00	3.70	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.00	U	2.20	3.00	3.70	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.00	U	2.30	3.00	3.70	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	58.1		71 - 136		116%	SPK: 50
1868-53-7	Dibromofluoromethane	56.6		78 - 119		113%	SPK: 50
2037-26-5	Toluene-d8	51.4		85 - 116		103%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.7		79 - 119		101%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	155000	7.965				
540-36-3	1,4-Difluorobenzene	307000	8.855				
3114-55-4	Chlorobenzene-d5	312000	11.629				
3855-82-1	1,4-Dichlorobenzene-d4	148000	13.556				

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	SOIL-DUP-1	SDG No.:	Q2820
Lab Sample ID:	Q2820-04	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	86.8
Sample Wt/Vol:	7.8 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032087.D	1	08/14/25 12:46	VW081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
------------	-----------	-------	-----------	-----	-----	------------	-------

U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 E = Value Exceeds Calibration Range
 Q = indicates LCS control criteria did not meet requirements
 M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 N = Presumptive Evidence of a Compound
 * = Values outside of QC limits
 D = Dilution
 () = Laboratory InHouse Limit
 A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
Data File : VW032087.D
Acq On : 14 Aug 2025 12:46
Operator : SY/MD
Sample : Q2820-04
Misc : 7.80g/5mL/MSVOA_W/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SOIL-DUP-1

Quant Time: Aug 18 03:50:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 12 04:04:48 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.965	168	155089	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.855	114	306810	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	312208	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	147600	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	130261	58.074	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	= 116.140%		
35) Dibromofluoromethane	7.904	113	112206	56.609	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	= 113.220%		
50) Toluene-d8	10.331	98	376479	51.353	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	= 102.700%		
62) 4-Bromofluorobenzene	12.617	95	136994	50.707	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	= 101.420%		

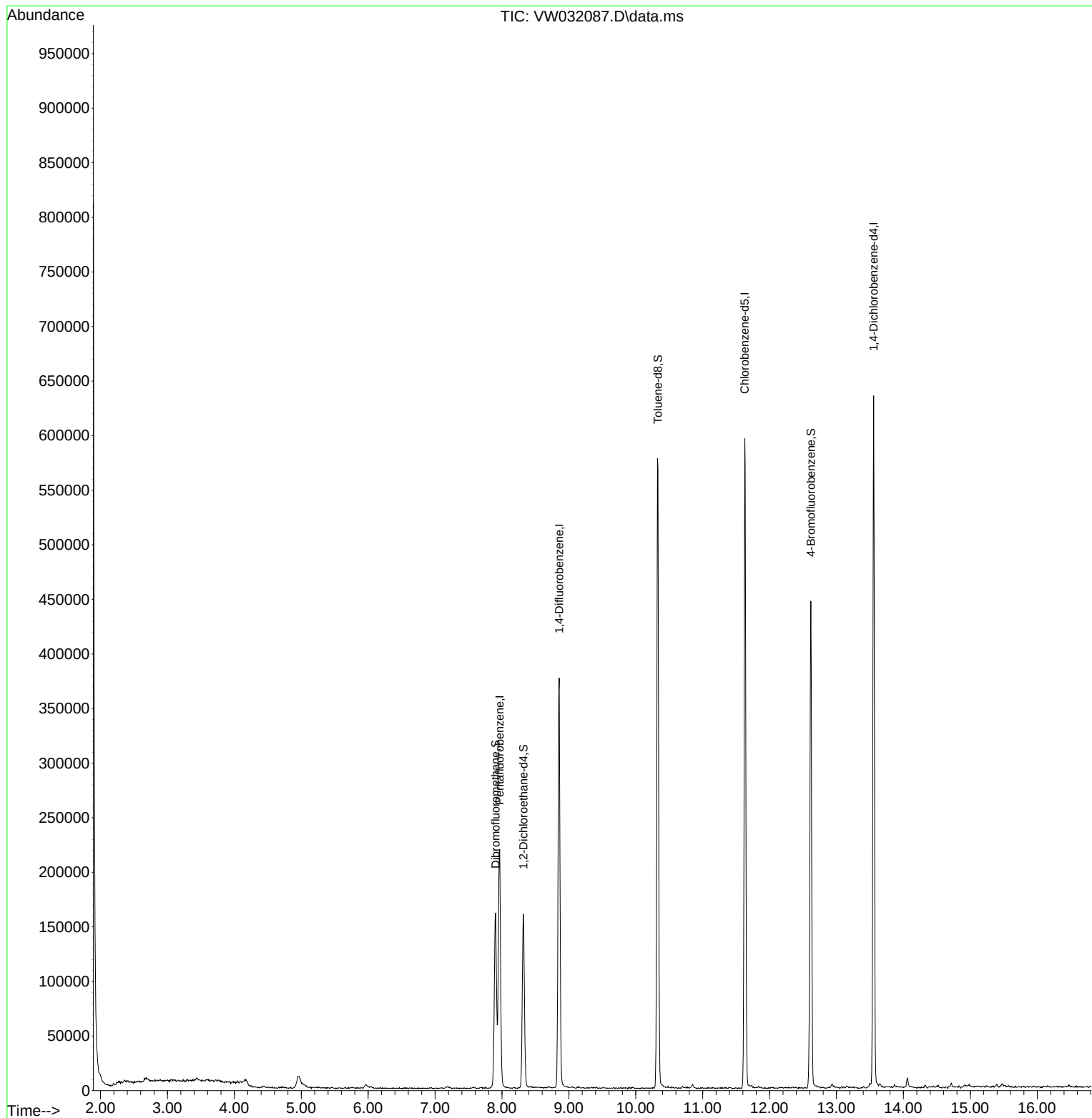
Target Compounds	Qvalue
------------------	--------

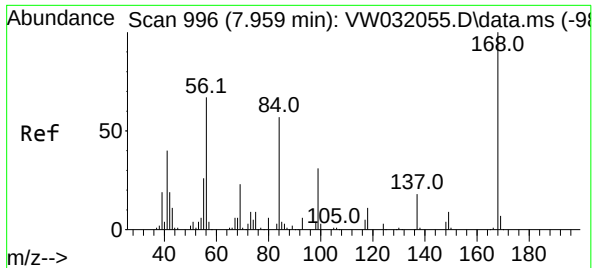
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
Data File : VW032087.D
Acq On : 14 Aug 2025 12:46
Operator : SY/MD
Sample : Q2820-04
Misc : 7.80g/5mL/MSVOA_W/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SOIL-DUP-1

Quant Time: Aug 18 03:50:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 12 04:04:48 2025
Response via : Initial Calibration

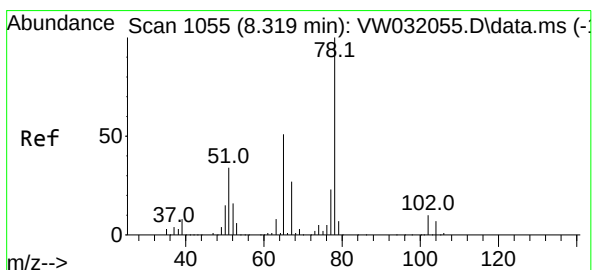
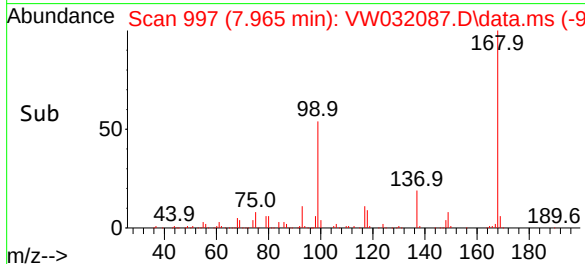
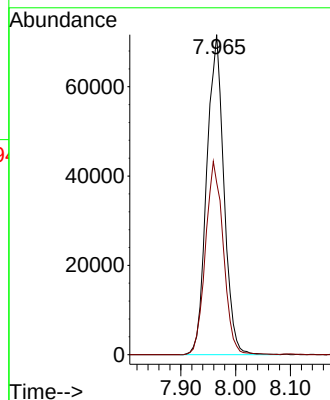
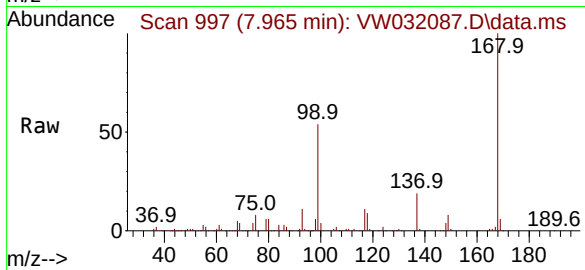




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 996
Delta R.T. 0.006 min
Lab File: VW032087.D
Acq: 14 Aug 2025 12:46

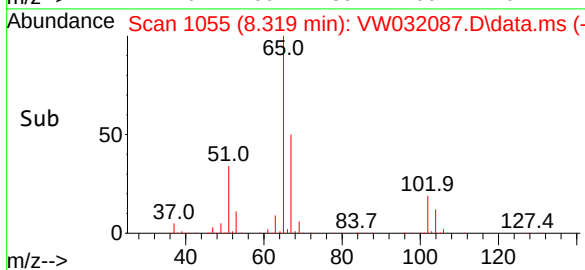
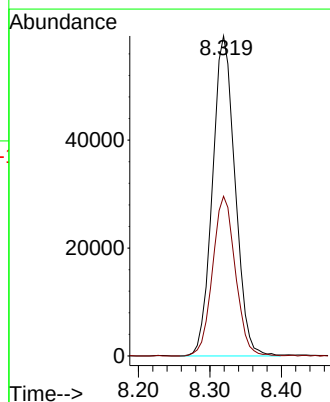
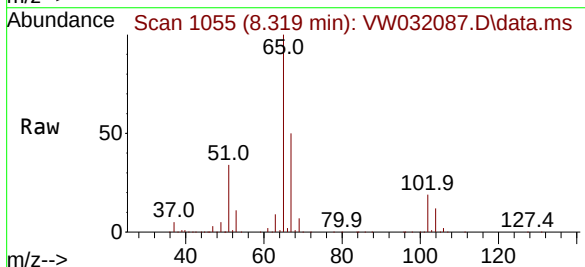
Instrument :
MSVOA_W
ClientSampleId :
SOIL-DUP-1

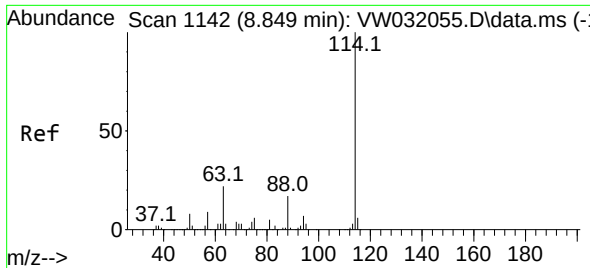
Tgt Ion:168 Resp: 155089
Ion Ratio Lower Upper
168 100
99 53.8 56.0 84.0#



#33
1,2-Dichloroethane-d4
Concen: 58.074 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW032087.D
Acq: 14 Aug 2025 12:46

Tgt Ion: 65 Resp: 130261
Ion Ratio Lower Upper
65 100
67 50.3 0.0 102.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1143

Delta R.T. 0.006 min

Lab File: VW032087.D

Acq: 14 Aug 2025 12:46

Instrument :

MSVOA_W

ClientSampleId :

SOIL-DUP-1

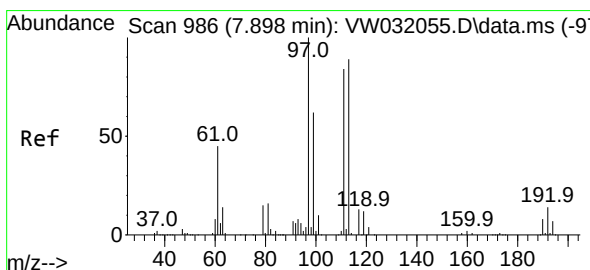
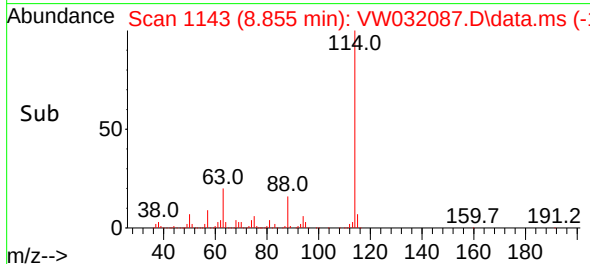
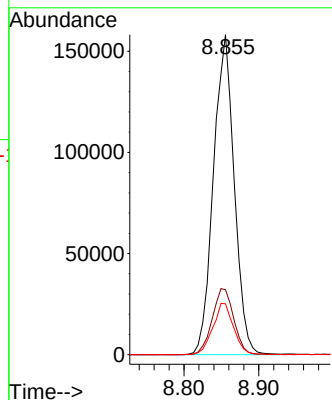
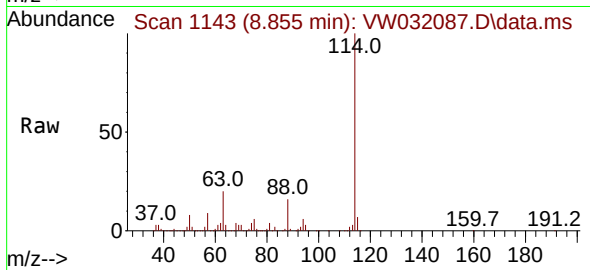
Tgt Ion:114 Resp: 306810

Ion Ratio Lower Upper

114 100

63 20.3 0.0 43.0

88 15.9 0.0 33.8



#35

Dibromofluoromethane

Concen: 56.609 ug/l

RT: 7.904 min Scan# 987

Delta R.T. 0.006 min

Lab File: VW032087.D

Acq: 14 Aug 2025 12:46

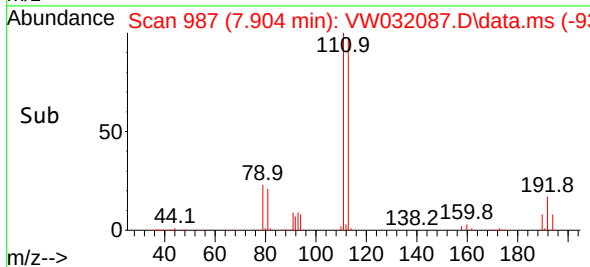
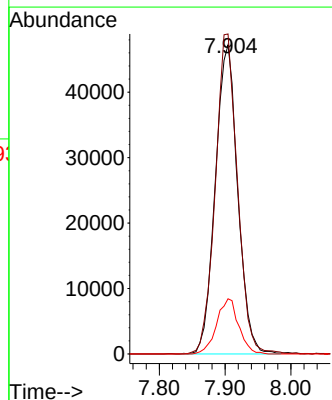
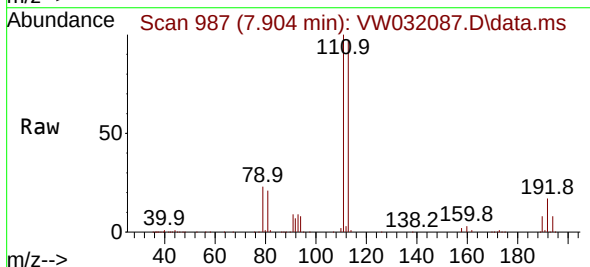
Tgt Ion:113 Resp: 112206

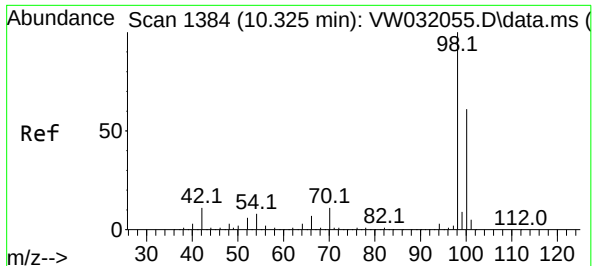
Ion Ratio Lower Upper

113 100

111 102.2 80.1 120.1

192 17.5 13.1 19.7

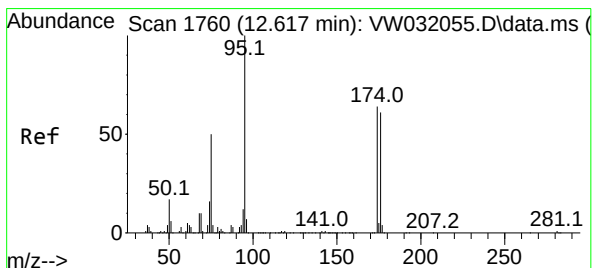
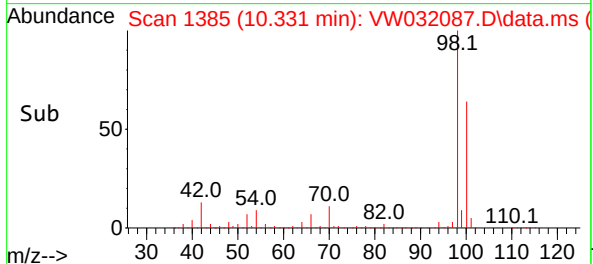
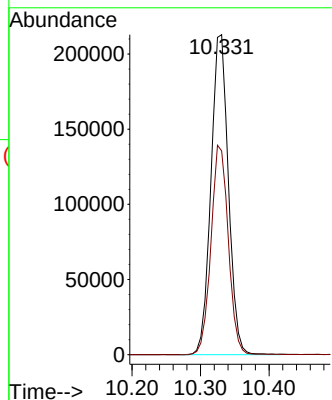
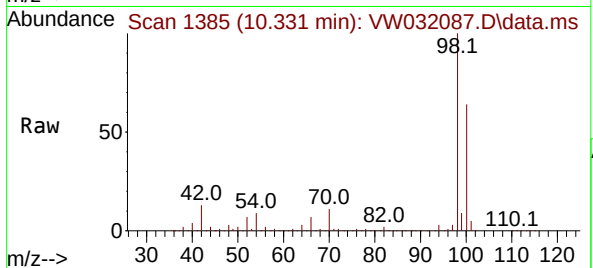




#50
Toluene-d8
Concen: 51.353 ug/l
RT: 10.331 min Scan# 1385
Delta R.T. 0.006 min
Lab File: VW032087.D
Acq: 14 Aug 2025 12:46

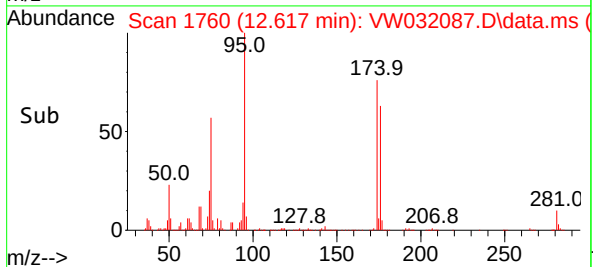
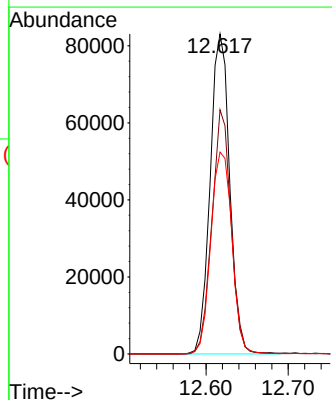
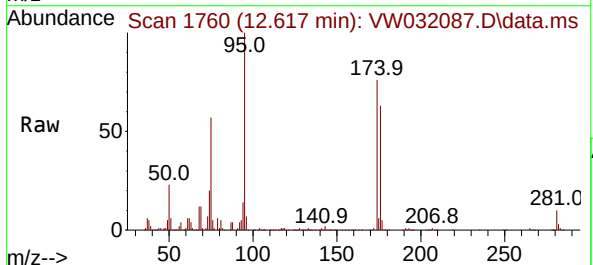
Instrument :
MSVOA_W
ClientSampleId :
SOIL-DUP-1

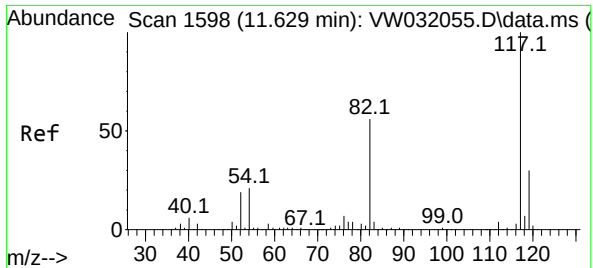
Tgt Ion: 98 Resp: 376479
Ion Ratio Lower Upper
98 100
100 65.0 51.1 76.7



#62
4-Bromofluorobenzene
Concen: 50.707 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032087.D
Acq: 14 Aug 2025 12:46

Tgt Ion: 95 Resp: 136994
Ion Ratio Lower Upper
95 100
174 75.0 0.0 129.0
176 68.2 0.0 124.6

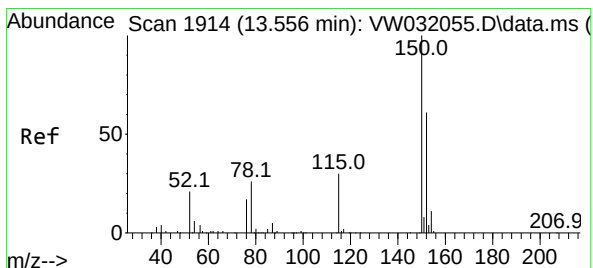
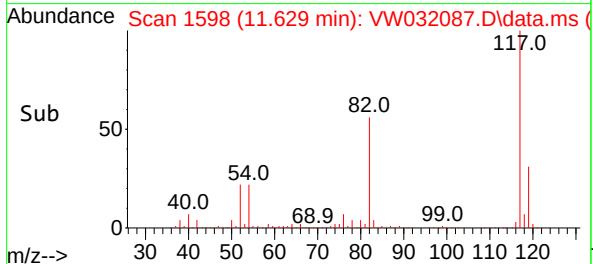
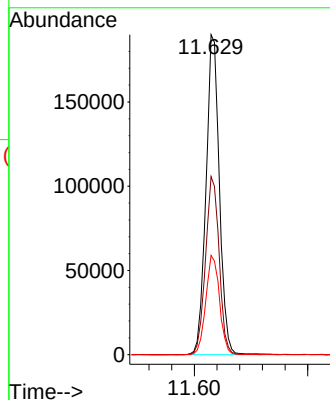
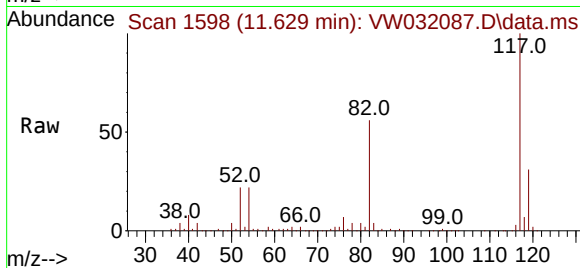




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW032087.D
Acq: 14 Aug 2025 12:46

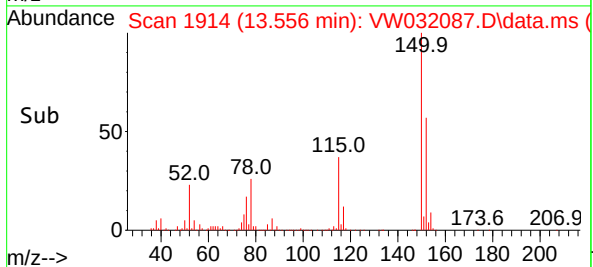
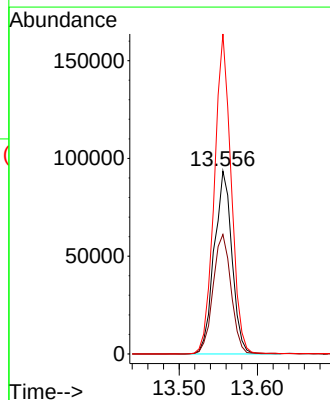
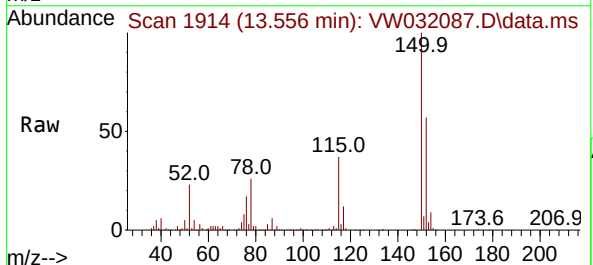
Instrument :
MSVOA_W
ClientSampleId :
SOIL-DUP-1

Tgt Ion	Ratio	Lower	Upper
117	100		
82	55.6	45.0	67.4
119	31.0	24.2	36.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW032087.D
Acq: 14 Aug 2025 12:46

Tgt Ion	Ratio	Lower	Upper
152	100		
115	66.3	32.6	97.8
150	165.7	0.0	359.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
Data File : VW032087.D
Acq On : 14 Aug 2025 12:46
Operator : SY/MD
Sample : Q2820-04
Misc : 7.80g/5mL/MSVOA_W/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SOIL-DUP-1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Title : SW846 8260

Signal : TIC: VW032087.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.966	489	505	514	rBV3	11211	51069	4.93%	0.864%
2	7.904	974	987	991	rBV2	160465	380120	36.68%	6.430%
3	7.965	991	997	1013	rVB2	218697	511296	49.33%	8.649%
4	8.319	1045	1055	1068	rBV	159358	357815	34.53%	6.053%
5	8.855	1133	1143	1161	rBV	375113	759792	73.31%	12.853%
6	10.325	1375	1384	1400	rBV	577215	1036382	100.00%	17.532%
7	11.629	1590	1598	1607	rBV	595673	1002730	96.75%	16.963%
8	12.617	1750	1760	1771	rBV2	446394	799346	77.13%	13.522%
9	13.556	1907	1914	1926	rVB	632662	1000062	96.50%	16.918%
10	14.062	1992	1997	2002	rBV	8065	12696	1.23%	0.215%

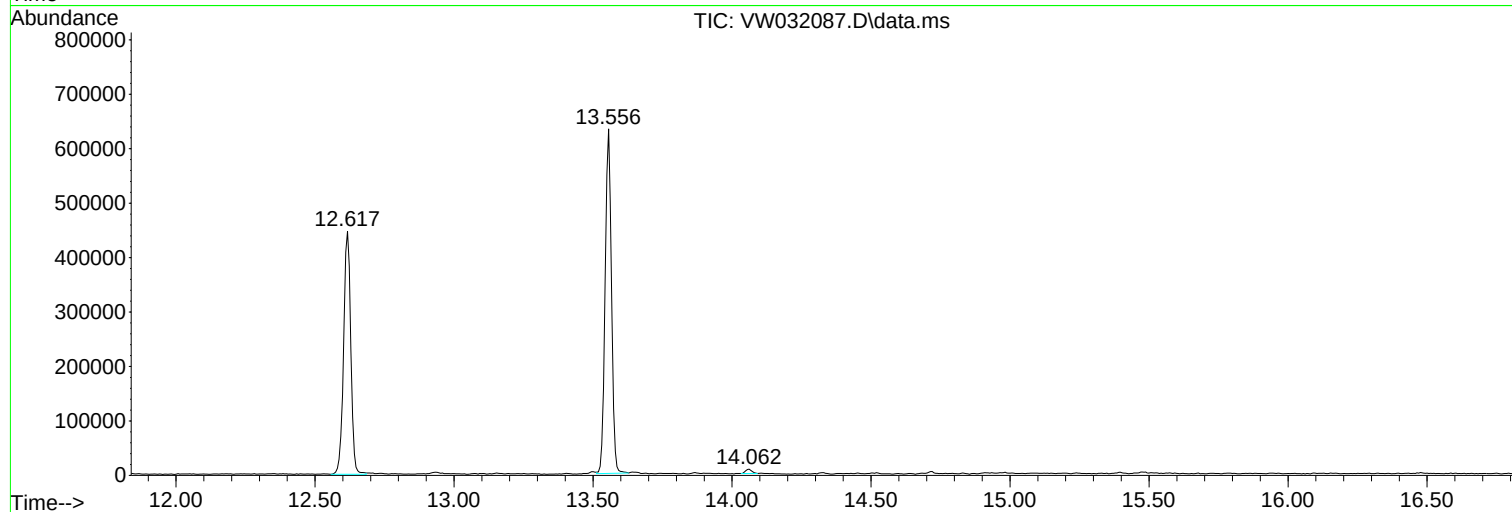
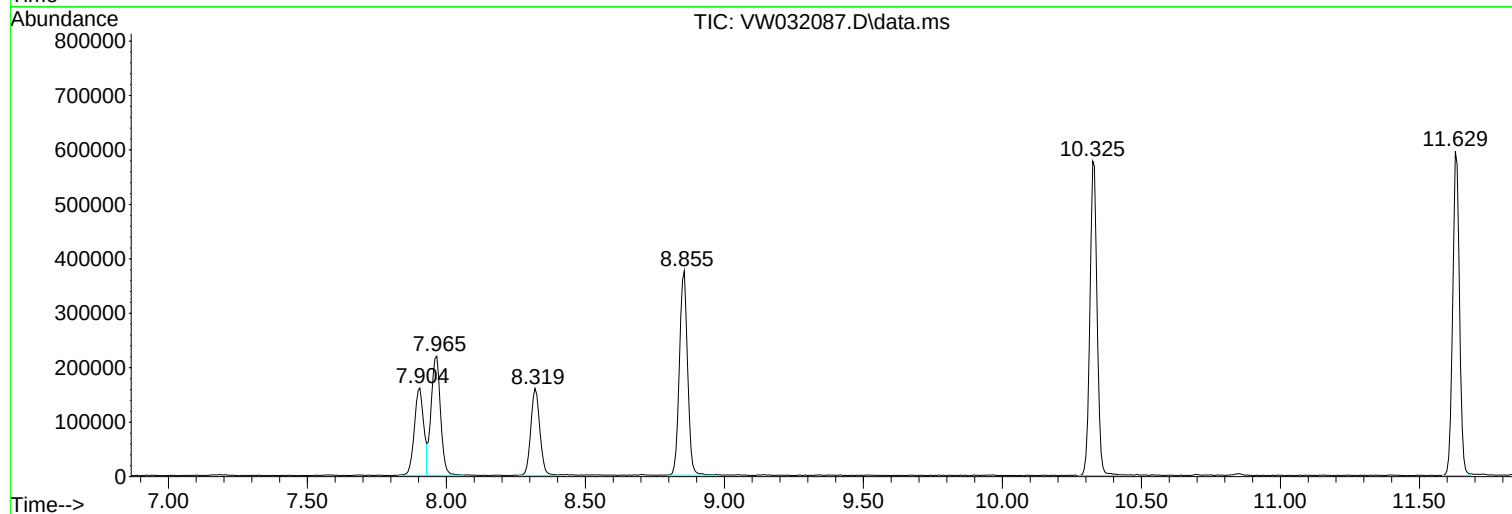
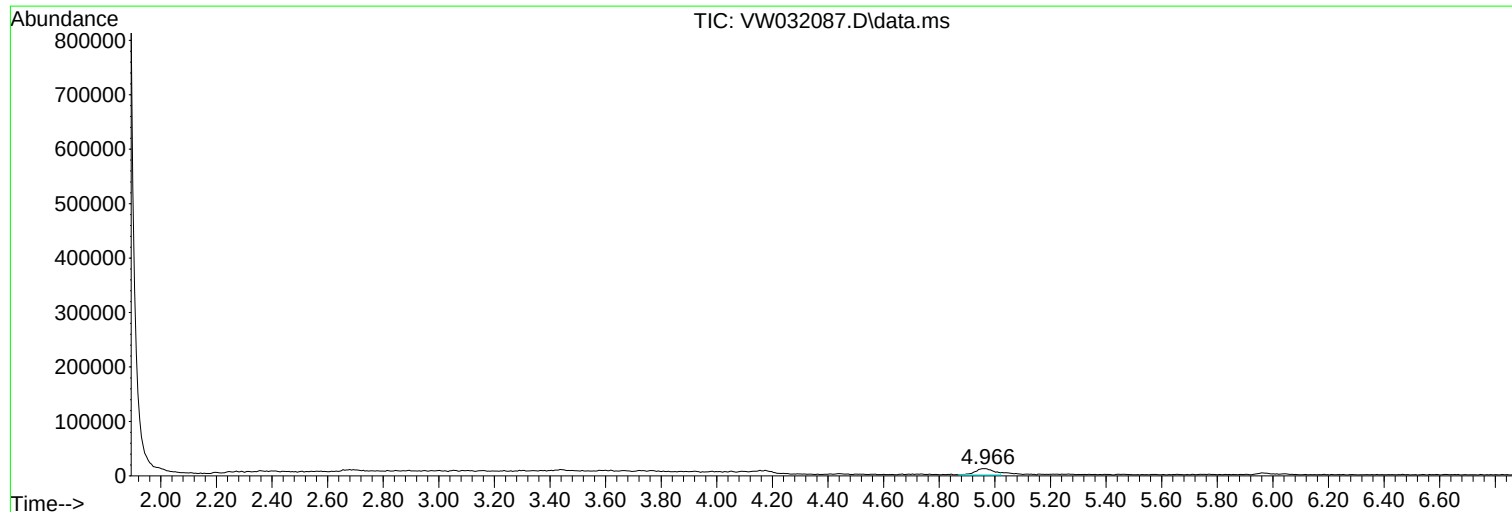
Sum of corrected areas: 5911308

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
Data File : VW032087.D
Acq On : 14 Aug 2025 12:46
Operator : SY/MD
Sample : Q2820-04
Misc : 7.80g/5mL/MSVOA_W/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SOIL-DUP-1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
Data File : VW032087.D
Acq On : 14 Aug 2025 12:46
Operator : SY/MD
Sample : Q2820-04
Misc : 7.80g/5mL/MSVOA_W/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SOIL-DUP-1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
Data File : VW032087.D
Acq On : 14 Aug 2025 12:46
Operator : SY/MD
Sample : Q2820-04
Misc : 7.80g/5mL/MSVOA_W/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SOIL-DUP-1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260

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

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

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	518R-E	SDG No.:	Q2820
Lab Sample ID:	Q2820-05	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	48.8
Sample Wt/Vol:	4.93 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032088.D	1	08/14/25 13:09	VW081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	8.30	U	2.40	8.30	10.4	ug/Kg
74-87-3	Chloromethane	5.20	U	2.40	5.20	10.4	ug/Kg
75-01-4	Vinyl Chloride	5.20	U	1.60	5.20	10.4	ug/Kg
74-83-9	Bromomethane	8.30	U	2.20	8.30	10.4	ug/Kg
75-00-3	Chloroethane	5.20	U	2.60	5.20	10.4	ug/Kg
75-69-4	Trichlorofluoromethane	8.30	U	2.50	8.30	10.4	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	5.20	U	2.20	5.20	10.4	ug/Kg
75-35-4	1,1-Dichloroethene	5.20	U	2.10	5.20	10.4	ug/Kg
67-64-1	Acetone	190		9.90	41.6	52.0	ug/Kg
75-15-0	Carbon Disulfide	8.30	U	2.20	8.30	10.4	ug/Kg
1634-04-4	Methyl tert-butyl Ether	5.20	U	1.50	5.20	10.4	ug/Kg
79-20-9	Methyl Acetate	8.30	U	3.20	8.30	10.4	ug/Kg
75-09-2	Methylene Chloride	11.0	J	7.30	16.6	20.8	ug/Kg
156-60-5	trans-1,2-Dichloroethene	5.20	U	1.80	5.20	10.4	ug/Kg
75-34-3	1,1-Dichloroethane	5.20	U	1.70	5.20	10.4	ug/Kg
110-82-7	Cyclohexane	5.20	U	1.60	5.20	10.4	ug/Kg
78-93-3	2-Butanone	36.3	J	13.6	41.6	52.0	ug/Kg
56-23-5	Carbon Tetrachloride	5.20	U	2.00	5.20	10.4	ug/Kg
156-59-2	cis-1,2-Dichloroethene	5.20	U	1.60	5.20	10.4	ug/Kg
74-97-5	Bromochloromethane	8.30	U	2.40	8.30	10.4	ug/Kg
67-66-3	Chloroform	8.30	U	1.70	8.30	10.4	ug/Kg
71-55-6	1,1,1-Trichloroethane	5.20	U	1.90	5.20	10.4	ug/Kg
108-87-2	Methylcyclohexane	5.20	U	1.90	5.20	10.4	ug/Kg
71-43-2	Benzene	5.20	U	1.60	5.20	10.4	ug/Kg
107-06-2	1,2-Dichloroethane	5.20	U	1.60	5.20	10.4	ug/Kg
79-01-6	Trichloroethene	5.20	U	1.70	5.20	10.4	ug/Kg
78-87-5	1,2-Dichloropropane	5.20	U	1.90	5.20	10.4	ug/Kg
75-27-4	Bromodichloromethane	5.20	U	1.60	5.20	10.4	ug/Kg
108-10-1	4-Methyl-2-Pentanone	26.0	U	7.40	26.0	52.0	ug/Kg
108-88-3	Toluene	5.20	U	1.60	5.20	10.4	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	518R-E	SDG No.:	Q2820
Lab Sample ID:	Q2820-05	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	48.8
Sample Wt/Vol:	4.93 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032088.D	1	08/14/25 13:09	VW081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	5.20	U	1.40	5.20	10.4	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	5.20	U	1.30	5.20	10.4	ug/Kg
79-00-5	1,1,2-Trichloroethane	5.20	U	1.90	5.20	10.4	ug/Kg
591-78-6	2-Hexanone	26.0	U	7.70	26.0	52.0	ug/Kg
124-48-1	Dibromochloromethane	5.20	U	1.80	5.20	10.4	ug/Kg
106-93-4	1,2-Dibromoethane	5.20	U	1.80	5.20	10.4	ug/Kg
127-18-4	Tetrachloroethene	5.20	U	2.20	5.20	10.4	ug/Kg
108-90-7	Chlorobenzene	5.20	U	1.90	5.20	10.4	ug/Kg
100-41-4	Ethyl Benzene	5.20	U	1.40	5.20	10.4	ug/Kg
179601-23-1	m/p-Xylenes	10.4	U	2.60	10.4	20.8	ug/Kg
95-47-6	o-Xylene	5.20	U	1.70	5.20	10.4	ug/Kg
100-42-5	Styrene	5.20	U	1.50	5.20	10.4	ug/Kg
75-25-2	Bromoform	5.20	U	1.80	5.20	10.4	ug/Kg
98-82-8	Isopropylbenzene	5.20	U	1.60	5.20	10.4	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	5.20	U	2.50	5.20	10.4	ug/Kg
541-73-1	1,3-Dichlorobenzene	5.20	U	3.60	5.20	10.4	ug/Kg
106-46-7	1,4-Dichlorobenzene	5.20	U	3.20	5.20	10.4	ug/Kg
95-50-1	1,2-Dichlorobenzene	5.20	U	3.00	5.20	10.4	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	8.30	U	3.80	8.30	10.4	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	8.30	U	6.20	8.30	10.4	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	8.30	U	6.60	8.30	10.4	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	59.5		71 - 136		119%	SPK: 50
1868-53-7	Dibromofluoromethane	56.2		78 - 119		112%	SPK: 50
2037-26-5	Toluene-d8	50.2		85 - 116		100%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.2		79 - 119		94%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	143000	7.965				
540-36-3	1,4-Difluorobenzene	288000	8.855				
3114-55-4	Chlorobenzene-d5	280000	11.629				
3855-82-1	1,4-Dichlorobenzene-d4	126000	13.556				

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	518R-E	SDG No.:	Q2820
Lab Sample ID:	Q2820-05	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	48.8
Sample Wt/Vol:	4.93	Units:	g
Soil Aliquot Vol:			uL
GC Column:	RXI-624	ID :	0.25
Prep Method :		Level :	LOW
		Final Vol:	5000
		Test:	VOC-TCLVOA-10

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032088.D	1	08/14/25 13:09	VW081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
------------	-----------	-------	-----------	-----	-----	------------	-------

U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 E = Value Exceeds Calibration Range
 Q = indicates LCS control criteria did not meet requirements
 M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 N = Presumptive Evidence of a Compound
 * = Values outside of QC limits
 D = Dilution
 () = Laboratory InHouse Limit
 A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
Data File : VW032088.D
Acq On : 14 Aug 2025 13:09
Operator : SY/MD
Sample : Q2820-05
Misc : 4.93g/5mL/MSVOA_W/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
518R-E

Quant Time: Aug 18 03:51:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 12 04:04:48 2025
Response via : Initial Calibration

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

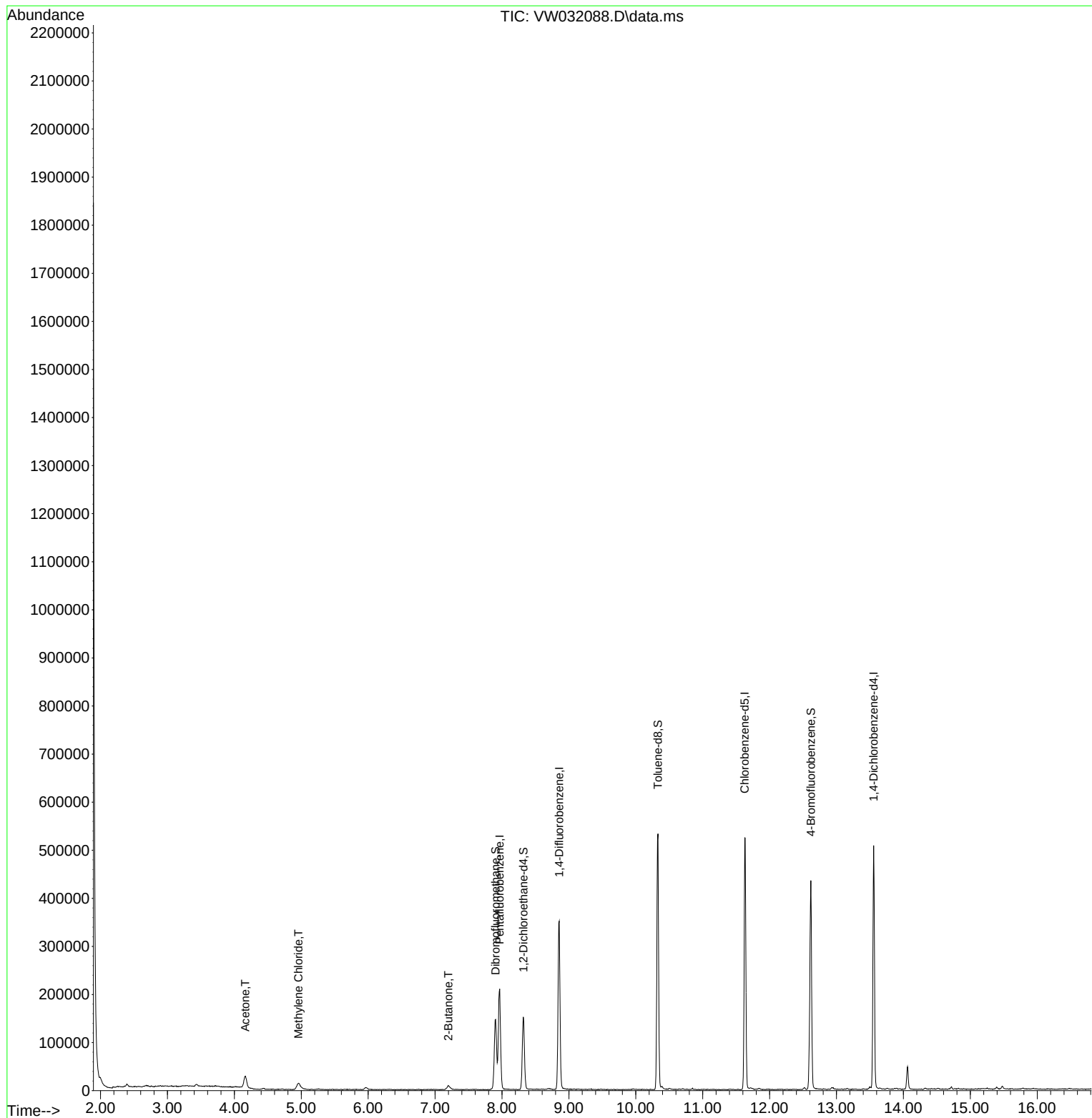
Internal Standards						
1) Pentafluorobenzene	7.965	168	142915	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	288167	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	279890	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	126154	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	123019	59.517	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	=	119.040%	
35) Dibromofluoromethane	7.904	113	104709	56.245	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	=	112.480%	
50) Toluene-d8	10.331	98	345691	50.204	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	=	100.400%	
62) 4-Bromofluorobenzene	12.617	95	119774	47.202	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	=	94.400%	
Target Compounds						Qvalue
16) Acetone	4.161	43	43607	91.123	ug/l	90
20) Methylene Chloride	4.960	84	11745	5.308	ug/l	94
25) 2-Butanone	7.197	43	11866	17.446	ug/l	92

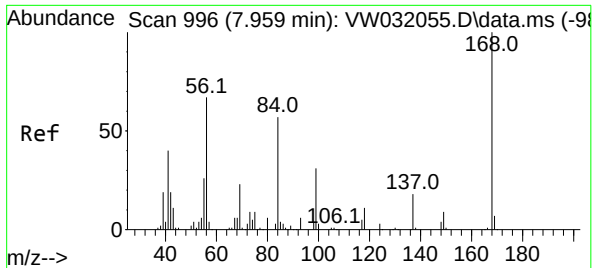
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
Data File : VW032088.D
Acq On : 14 Aug 2025 13:09
Operator : SY/MD
Sample : Q2820-05
Misc : 4.93g/5mL/MSVOA_W/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
518R-E

Quant Time: Aug 18 03:51:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 12 04:04:48 2025
Response via : Initial Calibration

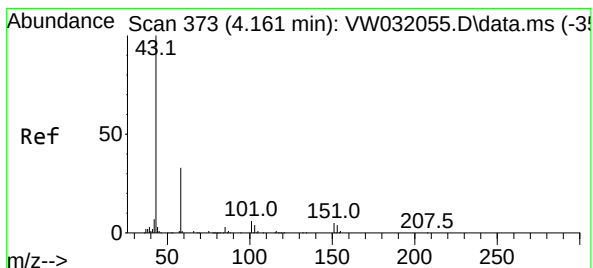
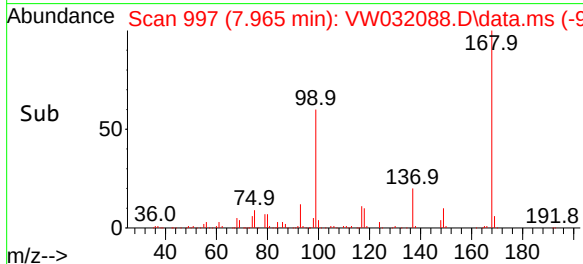
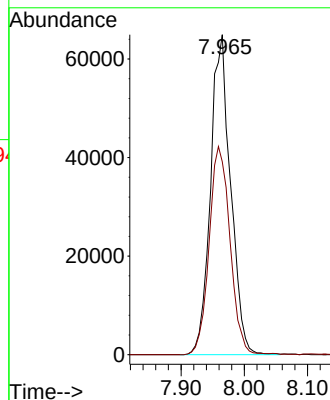
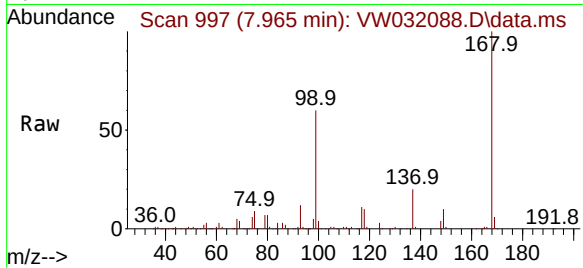




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 996
Delta R.T. 0.006 min
Lab File: VW032088.D
Acq: 14 Aug 2025 13:09

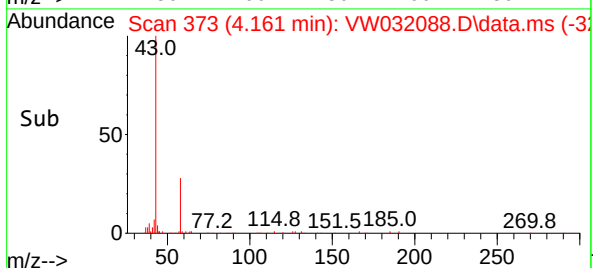
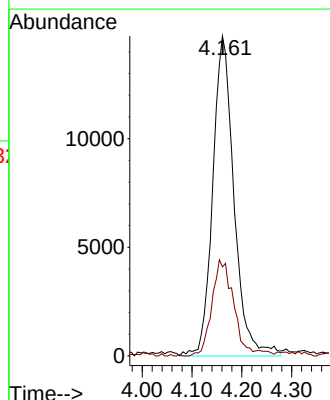
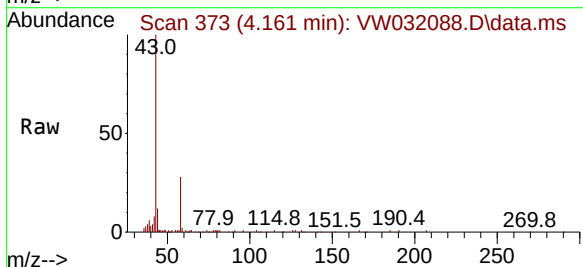
Instrument :
MSVOA_W
ClientSampleId :
518R-E

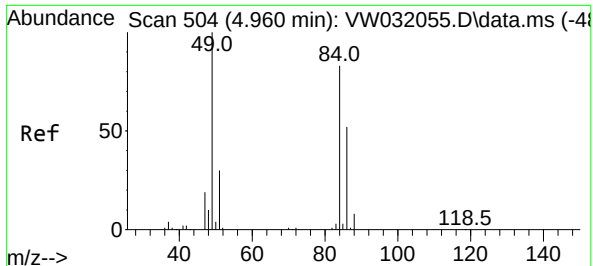
Tgt Ion:168 Resp: 142915
Ion Ratio Lower Upper
168 100
99 60.3 56.0 84.0



#16
Acetone
Concen: 91.123 ug/l
RT: 4.161 min Scan# 373
Delta R.T. -0.000 min
Lab File: VW032088.D
Acq: 14 Aug 2025 13:09

Tgt Ion: 43 Resp: 43607
Ion Ratio Lower Upper
43 100
58 27.4 26.6 39.8

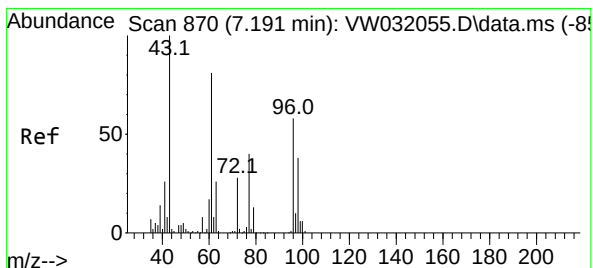
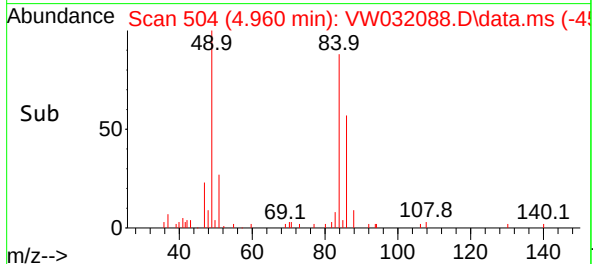
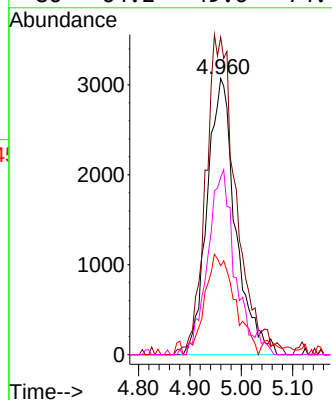
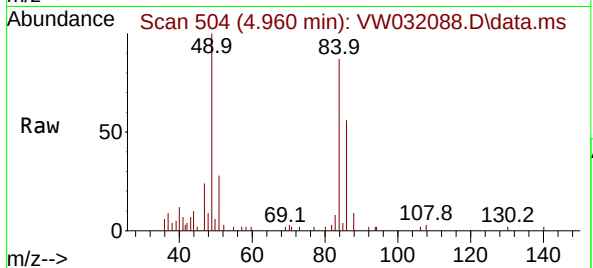




#20
Methylene Chloride
Concen: 5.308 ug/l
RT: 4.960 min Scan# 504
Delta R.T. -0.000 min
Lab File: VW032088.D
Acq: 14 Aug 2025 13:09

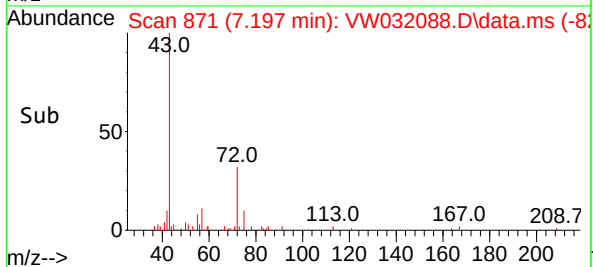
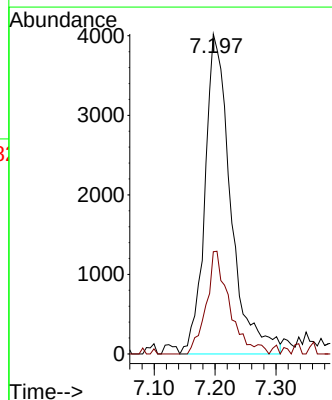
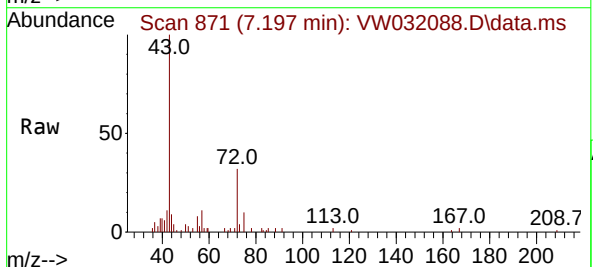
Instrument :
MSVOA_W
ClientSampleId :
518R-E

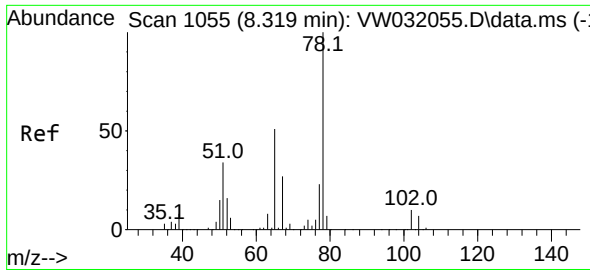
Tgt Ion:	84	Resp:	11745
Ion	Ratio	Lower	Upper
84	100		
49	113.1	95.9	143.9
51	29.7	28.6	43.0
86	64.2	49.6	74.4



#25
2-Butanone
Concen: 17.446 ug/l
RT: 7.197 min Scan# 871
Delta R.T. 0.006 min
Lab File: VW032088.D
Acq: 14 Aug 2025 13:09

Tgt Ion:	43	Resp:	11866
Ion	Ratio	Lower	Upper
43	100		
72	31.9	22.3	33.5





#33

1,2-Dichloroethane-d4

Concen: 59.517 ug/l

RT: 8.319 min Scan# 1055

Delta R.T. -0.000 min

Lab File: VW032088.D

Acq: 14 Aug 2025 13:09

Instrument :

MSVOA_W

ClientSampleId :

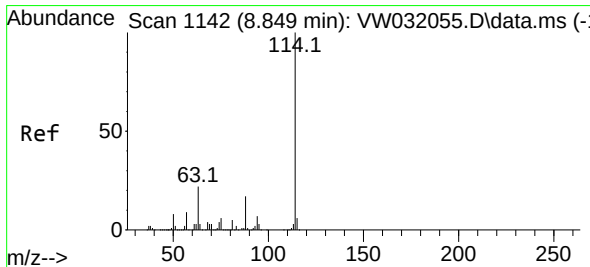
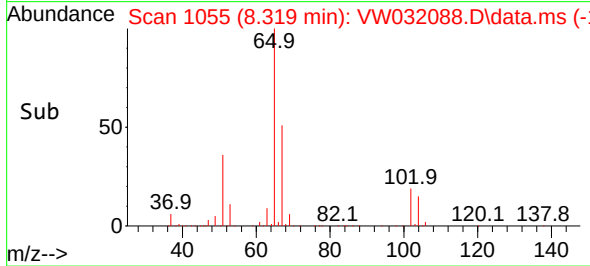
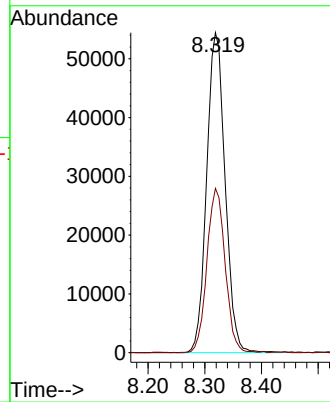
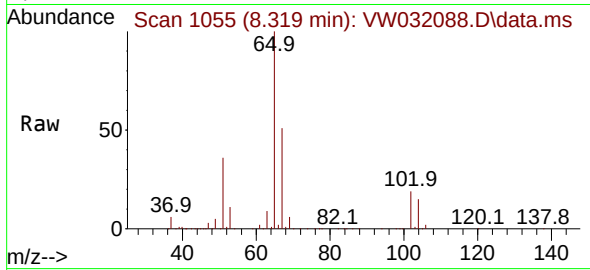
518R-E

Tgt Ion: 65 Resp: 123019

Ion Ratio Lower Upper

65 100

67 50.8 0.0 102.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1143

Delta R.T. 0.006 min

Lab File: VW032088.D

Acq: 14 Aug 2025 13:09

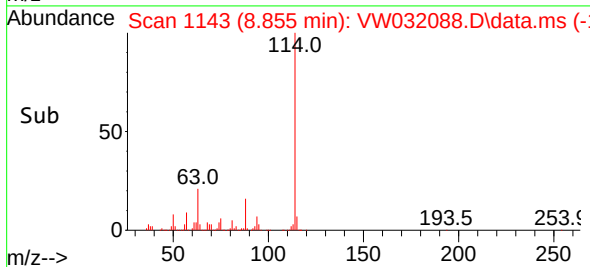
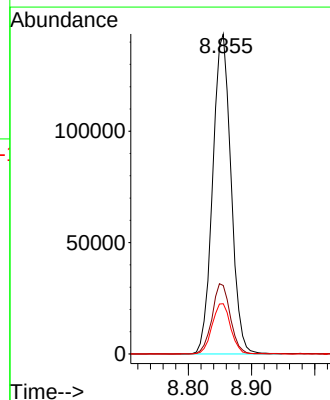
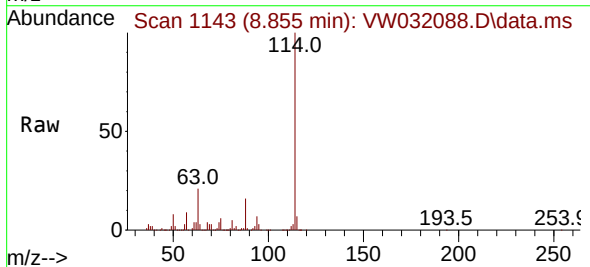
Tgt Ion: 114 Resp: 288167

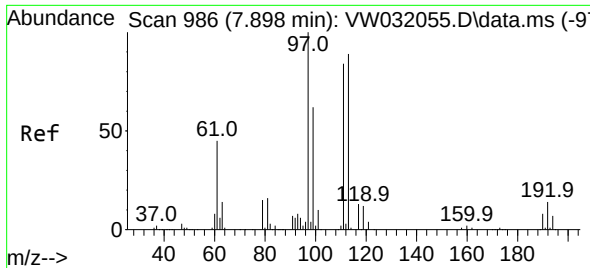
Ion Ratio Lower Upper

114 100

63 21.3 0.0 43.0

88 15.7 0.0 33.8

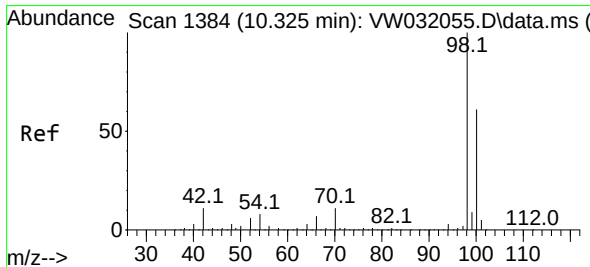
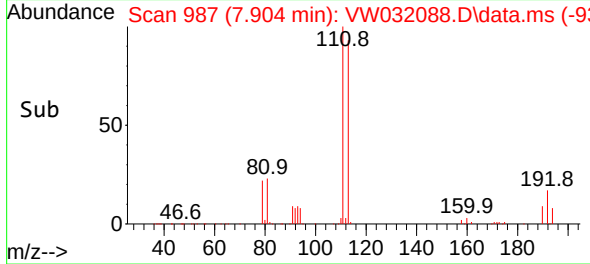
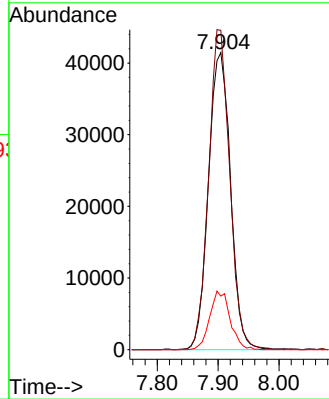
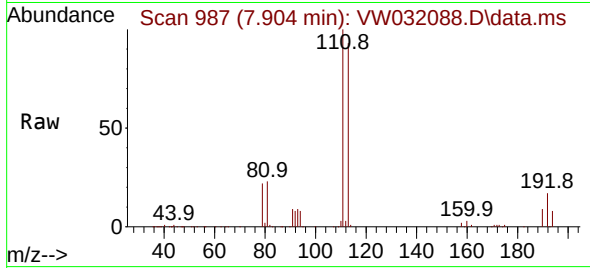




#35
Dibromofluoromethane
Concen: 56.245 ug/l
RT: 7.904 min Scan# 91
Delta R.T. 0.006 min
Lab File: VW032088.D
Acq: 14 Aug 2025 13:09

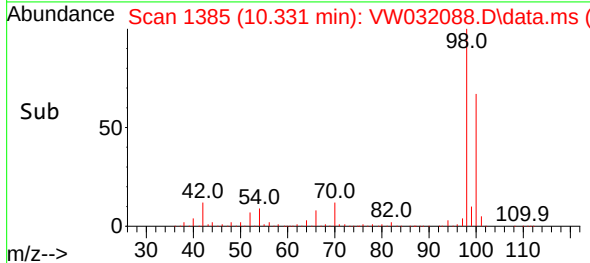
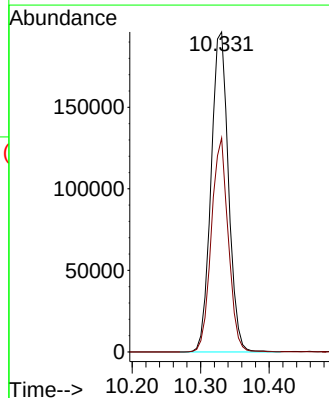
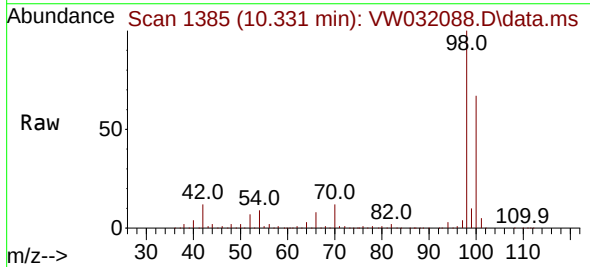
Instrument :
MSVOA_W
ClientSampleId :
518R-E

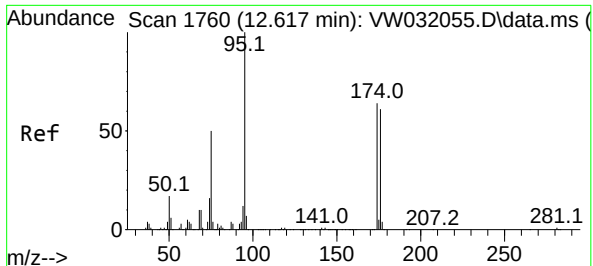
Tgt Ion:113 Resp: 104709
Ion Ratio Lower Upper
113 100
111 102.8 80.1 120.1
192 18.2 13.1 19.7



#50
Toluene-d8
Concen: 50.204 ug/l
RT: 10.331 min Scan# 1385
Delta R.T. 0.006 min
Lab File: VW032088.D
Acq: 14 Aug 2025 13:09

Tgt Ion: 98 Resp: 345691
Ion Ratio Lower Upper
98 100
100 65.0 51.1 76.7

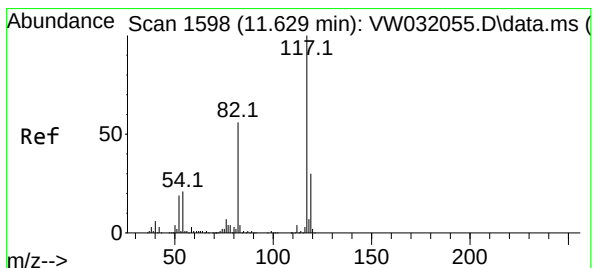
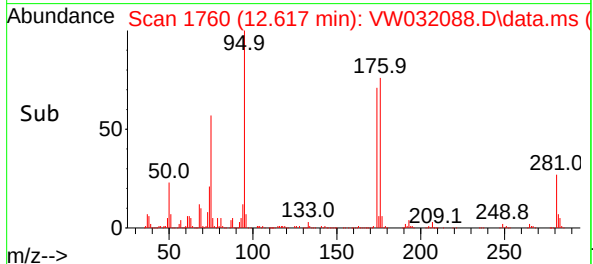
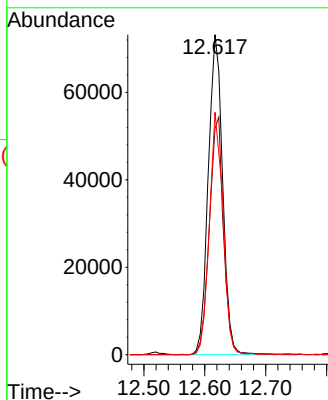
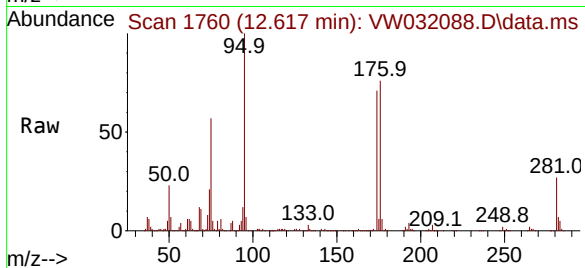




#62
4-Bromofluorobenzene
Concen: 47.202 ug/l
RT: 12.617 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW032088.D
Acq: 14 Aug 2025 13:09

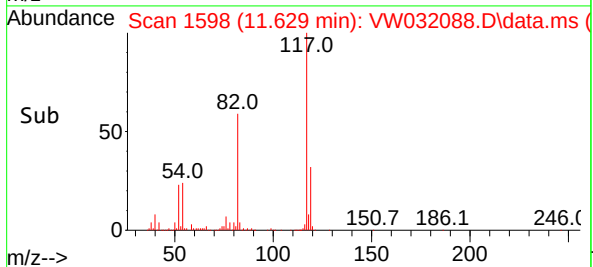
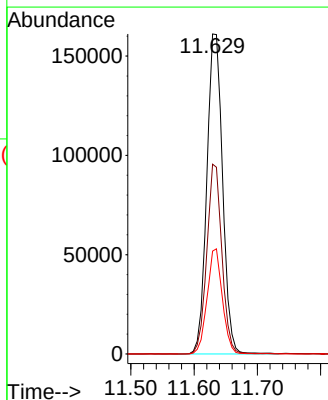
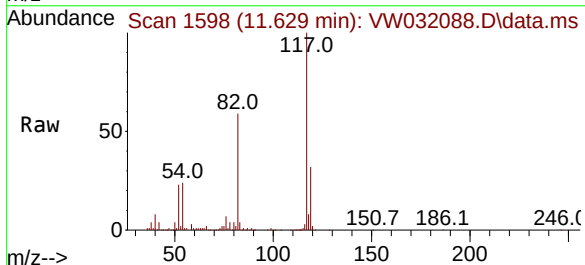
Instrument :
MSVOA_W
ClientSampleId :
518R-E

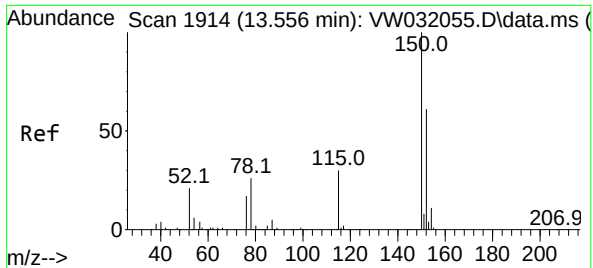
Tgt Ion:	95	Resp:	119774
Ion Ratio	Lower	Upper	
95	100		
174	72.9	0.0	129.0
176	72.3	0.0	124.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1598
Delta R.T. -0.000 min
Lab File: VW032088.D
Acq: 14 Aug 2025 13:09

Tgt Ion:	117	Resp:	279890
Ion Ratio	Lower	Upper	
117	100		
82	59.3	45.0	67.4
119	32.1	24.2	36.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.556 min Scan# 1914

Delta R.T. -0.000 min

Lab File: VW032088.D

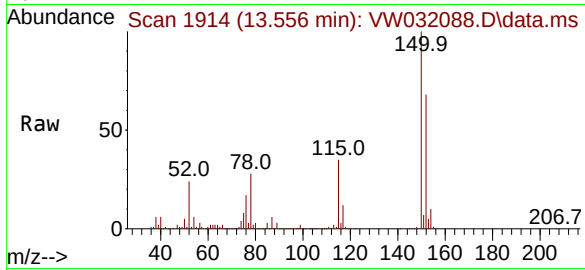
Acq: 14 Aug 2025 13:09

Instrument :

MSVOA_W

ClientSampleId :

518R-E



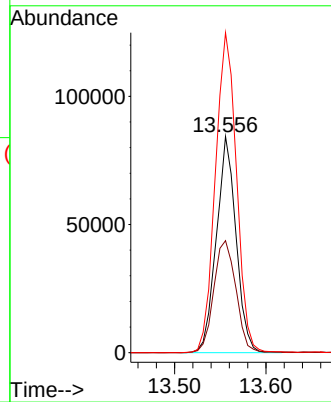
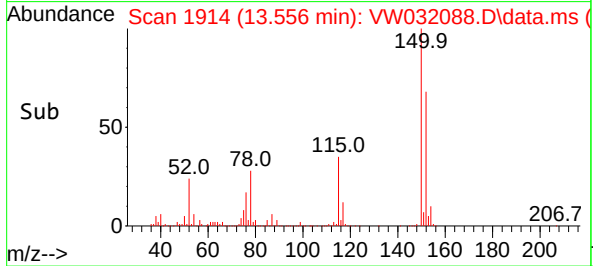
Tgt Ion:152 Resp: 126154

Ion Ratio Lower Upper

152 100

115 58.5 32.6 97.8

150 159.2 0.0 359.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
Data File : VW032088.D
Acq On : 14 Aug 2025 13:09
Operator : SY/MD
Sample : Q2820-05
Misc : 4.93g/5mL/MSVOA_W/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
518R-E

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M

Title : SW846 8260

Signal : TIC: VW032088.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.167	364	374	383	rVB2	24634	75995	8.01%	1.350%
2	4.960	493	504	517	rBV3	13087	53884	5.68%	0.957%
3	7.197	861	871	881	rBV2	8524	27594	2.91%	0.490%
4	7.904	972	987	991	rBV	146418	362387	38.19%	6.436%
5	7.965	991	997	1008	rVB2	208722	483092	50.91%	8.579%
6	8.319	1045	1055	1068	rBV2	151141	343223	36.17%	6.095%
7	8.855	1133	1143	1152	rBV	349747	716327	75.48%	12.721%
8	10.331	1375	1385	1392	rBV	532185	948997	100.00%	16.853%
9	11.629	1588	1598	1608	rBV	524037	908941	95.78%	16.142%
10	12.617	1749	1760	1772	rBV2	434652	822994	86.72%	14.616%
11	13.556	1908	1914	1925	rVB	505415	810024	85.36%	14.385%
12	14.062	1991	1997	2005	rVB	46301	77475	8.16%	1.376%

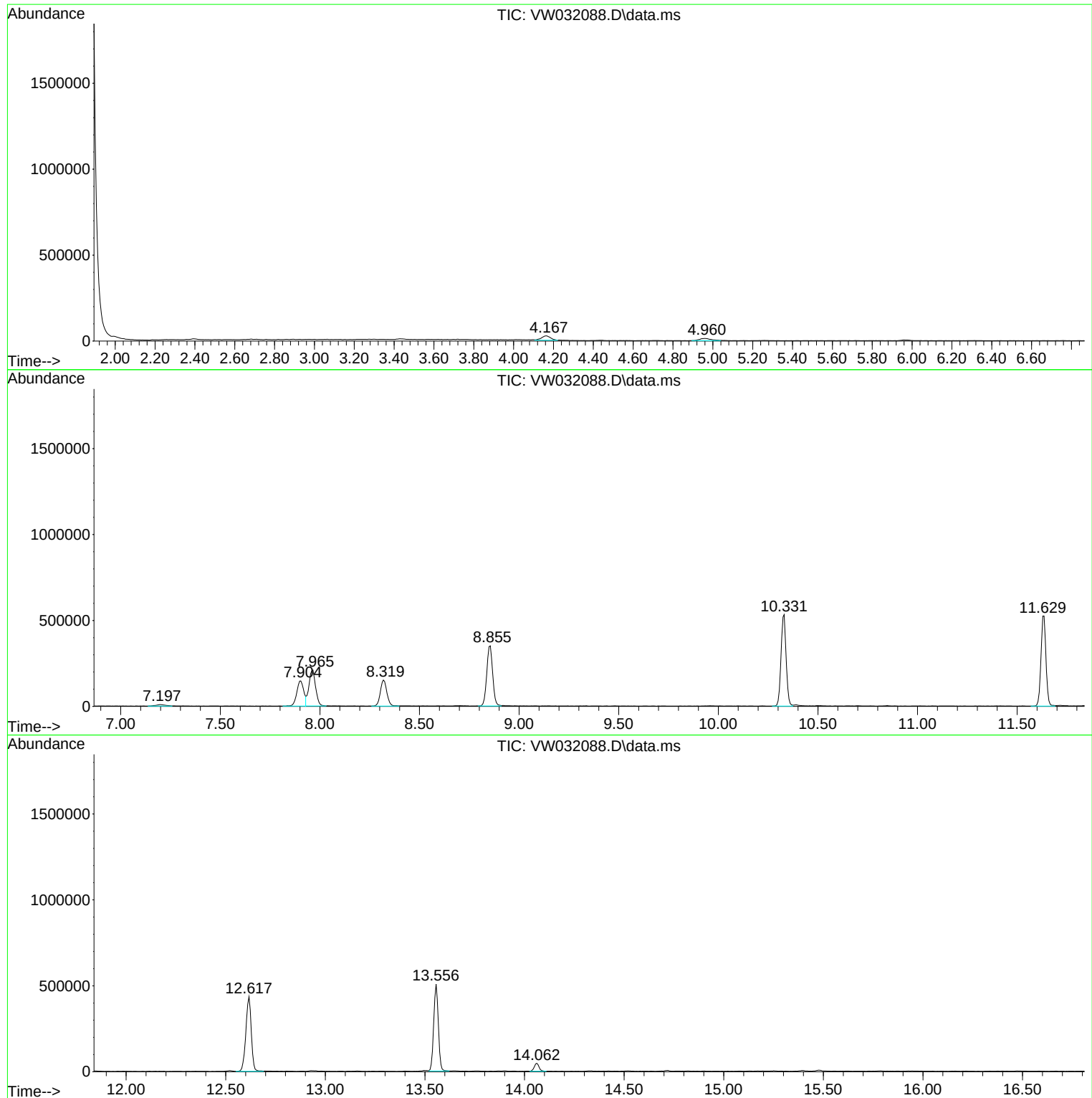
Sum of corrected areas: 5630933

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
Data File : VW032088.D
Acq On : 14 Aug 2025 13:09
Operator : SY/MD
Sample : Q2820-05
Misc : 4.93g/5mL/MSVOA_W/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
518R-E

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
Data File : VW032088.D
Acq On : 14 Aug 2025 13:09
Operator : SY/MD
Sample : Q2820-05
Misc : 4.93g/5mL/MSVOA_W/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
518R-E

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
Data File : VW032088.D
Acq On : 14 Aug 2025 13:09
Operator : SY/MD
Sample : Q2820-05
Misc : 4.93g/5mL/MSVOA_W/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
518R-E

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260

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

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

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	518R-N	SDG No.:	Q2820
Lab Sample ID:	Q2820-06	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	77.4
Sample Wt/Vol:	3.48 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032089.D	1	08/14/25 13:31	VW081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	7.40	U	2.10	7.40	9.30	ug/Kg
74-87-3	Chloromethane	4.60	U	2.10	4.60	9.30	ug/Kg
75-01-4	Vinyl Chloride	4.60	U	1.50	4.60	9.30	ug/Kg
74-83-9	Bromomethane	7.40	U	2.00	7.40	9.30	ug/Kg
75-00-3	Chloroethane	4.60	U	2.30	4.60	9.30	ug/Kg
75-69-4	Trichlorofluoromethane	7.40	U	2.20	7.40	9.30	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	4.60	U	2.00	4.60	9.30	ug/Kg
75-35-4	1,1-Dichloroethene	4.60	U	1.90	4.60	9.30	ug/Kg
67-64-1	Acetone	180		8.80	37.1	46.4	ug/Kg
75-15-0	Carbon Disulfide	35.5		2.00	7.40	9.30	ug/Kg
1634-04-4	Methyl tert-butyl Ether	4.60	U	1.40	4.60	9.30	ug/Kg
79-20-9	Methyl Acetate	7.40	U	2.90	7.40	9.30	ug/Kg
75-09-2	Methylene Chloride	14.9	U	6.60	14.9	18.6	ug/Kg
156-60-5	trans-1,2-Dichloroethene	4.60	U	1.60	4.60	9.30	ug/Kg
75-34-3	1,1-Dichloroethane	4.60	U	1.50	4.60	9.30	ug/Kg
110-82-7	Cyclohexane	4.60	U	1.50	4.60	9.30	ug/Kg
78-93-3	2-Butanone	37.1	U	12.1	37.1	46.4	ug/Kg
56-23-5	Carbon Tetrachloride	4.60	U	1.80	4.60	9.30	ug/Kg
156-59-2	cis-1,2-Dichloroethene	4.60	U	1.40	4.60	9.30	ug/Kg
74-97-5	Bromochloromethane	7.40	U	2.10	7.40	9.30	ug/Kg
67-66-3	Chloroform	7.40	U	1.60	7.40	9.30	ug/Kg
71-55-6	1,1,1-Trichloroethane	4.60	U	1.70	4.60	9.30	ug/Kg
108-87-2	Methylcyclohexane	4.60	U	1.70	4.60	9.30	ug/Kg
71-43-2	Benzene	4.60	U	1.50	4.60	9.30	ug/Kg
107-06-2	1,2-Dichloroethane	4.60	U	1.50	4.60	9.30	ug/Kg
79-01-6	Trichloroethene	4.60	U	1.50	4.60	9.30	ug/Kg
78-87-5	1,2-Dichloropropane	4.60	U	1.70	4.60	9.30	ug/Kg
75-27-4	Bromodichloromethane	4.60	U	1.40	4.60	9.30	ug/Kg
108-10-1	4-Methyl-2-Pentanone	23.2	U	6.60	23.2	46.4	ug/Kg
108-88-3	Toluene	4.60	U	1.40	4.60	9.30	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	518R-N	SDG No.:	Q2820
Lab Sample ID:	Q2820-06	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	77.4
Sample Wt/Vol:	3.48 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032089.D	1	08/14/25 13:31	VW081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	4.60	U	1.20	4.60	9.30	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	4.60	U	1.20	4.60	9.30	ug/Kg
79-00-5	1,1,2-Trichloroethane	4.60	U	1.70	4.60	9.30	ug/Kg
591-78-6	2-Hexanone	23.2	U	6.80	23.2	46.4	ug/Kg
124-48-1	Dibromochloromethane	4.60	U	1.60	4.60	9.30	ug/Kg
106-93-4	1,2-Dibromoethane	4.60	U	1.60	4.60	9.30	ug/Kg
127-18-4	Tetrachloroethene	4.60	U	1.90	4.60	9.30	ug/Kg
108-90-7	Chlorobenzene	4.60	U	1.70	4.60	9.30	ug/Kg
100-41-4	Ethyl Benzene	4.60	U	1.20	4.60	9.30	ug/Kg
179601-23-1	m/p-Xylenes	9.30	U	2.30	9.30	18.6	ug/Kg
95-47-6	o-Xylene	4.60	U	1.50	4.60	9.30	ug/Kg
100-42-5	Styrene	4.60	U	1.30	4.60	9.30	ug/Kg
75-25-2	Bromoform	4.60	U	1.60	4.60	9.30	ug/Kg
98-82-8	Isopropylbenzene	4.60	U	1.40	4.60	9.30	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	4.60	U	2.20	4.60	9.30	ug/Kg
541-73-1	1,3-Dichlorobenzene	4.60	U	3.20	4.60	9.30	ug/Kg
106-46-7	1,4-Dichlorobenzene	4.60	U	2.90	4.60	9.30	ug/Kg
95-50-1	1,2-Dichlorobenzene	4.60	U	2.70	4.60	9.30	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	7.40	U	3.40	7.40	9.30	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	7.40	U	5.50	7.40	9.30	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	7.40	U	5.90	7.40	9.30	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	54.5		71 - 136		109%	SPK: 50
1868-53-7	Dibromofluoromethane	54.8		78 - 119		110%	SPK: 50
2037-26-5	Toluene-d8	48.4		85 - 116		97%	SPK: 50
460-00-4	4-Bromofluorobenzene	41.0		79 - 119		82%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	136000	7.965				
540-36-3	1,4-Difluorobenzene	268000	8.849				
3114-55-4	Chlorobenzene-d5	244000	11.629				
3855-82-1	1,4-Dichlorobenzene-d4	97100	13.556				

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	518R-N	SDG No.:	Q2820
Lab Sample ID:	Q2820-06	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	77.4
Sample Wt/Vol:	3.48 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032089.D	1	08/14/25 13:31	VW081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 E = Value Exceeds Calibration Range
 Q = indicates LCS control criteria did not meet requirements
 M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 N = Presumptive Evidence of a Compound
 * = Values outside of QC limits
 D = Dilution
 () = Laboratory InHouse Limit
 A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
Data File : VW032089.D
Acq On : 14 Aug 2025 13:31
Operator : SY/MD
Sample : Q2820-06
Misc : 3.48g/5mL/MSVOA_W/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
518R-N

Quant Time: Aug 18 03:51:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 12 04:04:48 2025
Response via : Initial Calibration

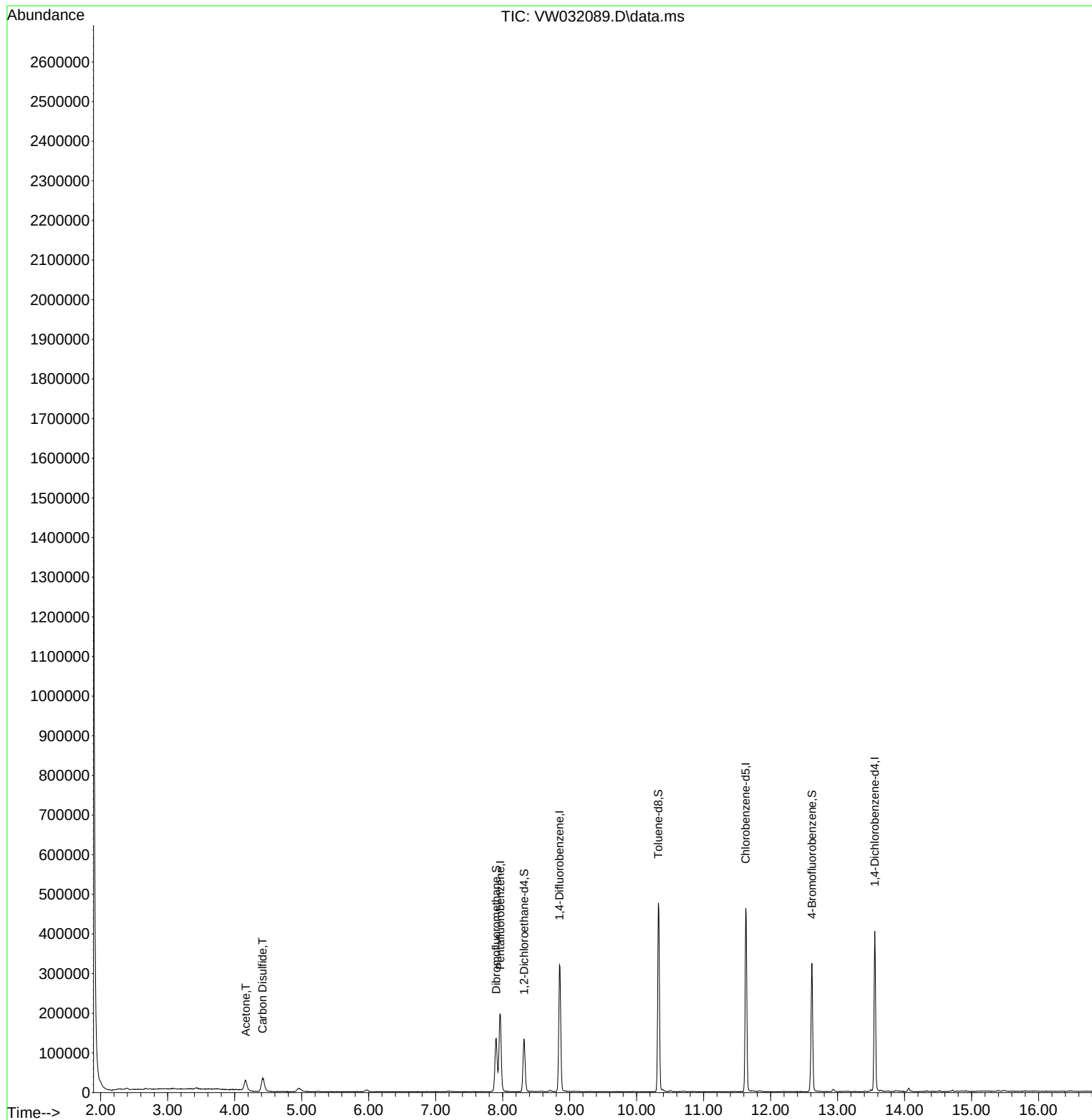
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.965	168	136247	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	267749	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	243648	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	97060	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	107314	54.460	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	= 108.920%		
35) Dibromofluoromethane	7.904	113	94768	54.787	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	= 109.580%		
50) Toluene-d8	10.324	98	309363	48.354	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	= 96.700%		
62) 4-Bromofluorobenzene	12.617	95	96648	40.992	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	= 81.980%		
Target Compounds						Qvalue
16) Acetone	4.167	43	44326	97.158	ug/l	91
17) Carbon Disulfide	4.417	76	84838	19.129	ug/l #	92

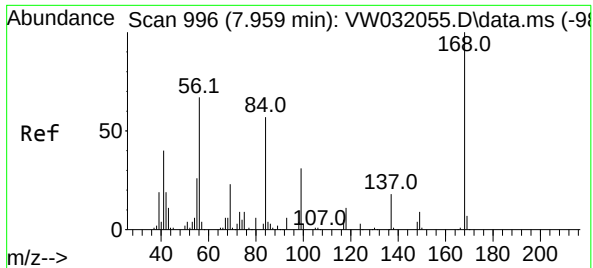
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
Data File : VW032089.D
Acq On : 14 Aug 2025 13:31
Operator : SY/MD
Sample : Q2820-06
Misc : 3.48g/5mL/MSVOA_W/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
518R-N

Quant Time: Aug 18 03:51:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 12 04:04:48 2025
Response via : Initial Calibration

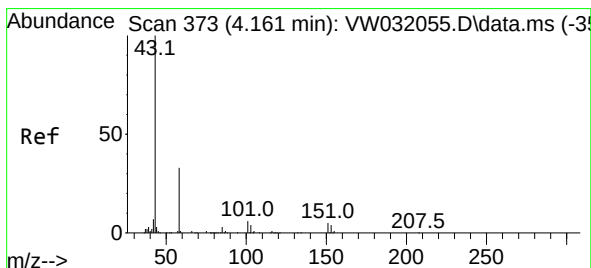
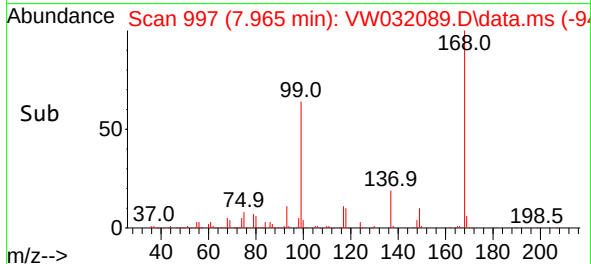
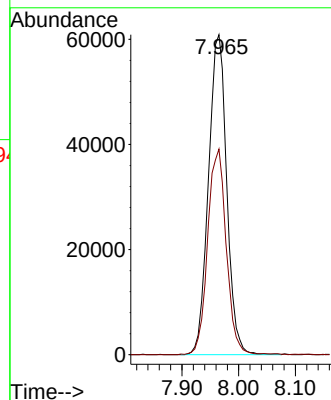
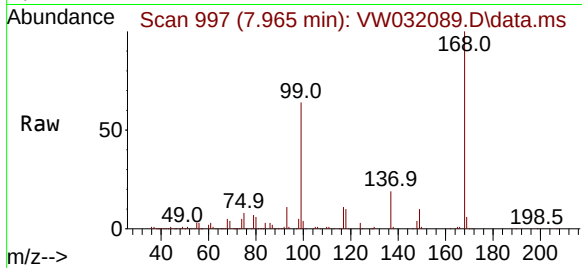




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 996
Delta R.T. 0.006 min
Lab File: VW032089.D
Acq: 14 Aug 2025 13:31

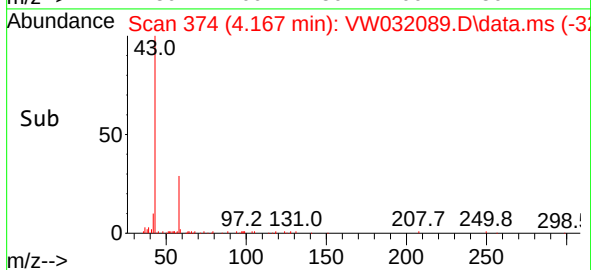
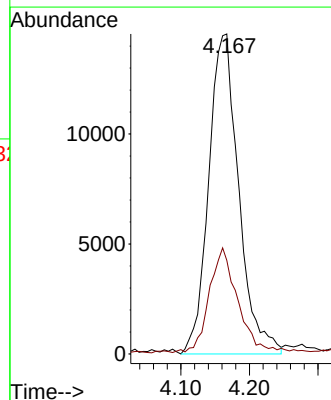
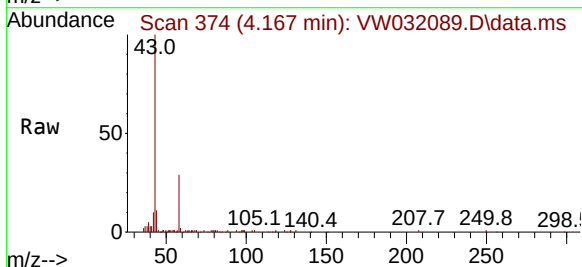
Instrument :
MSVOA_W
ClientSampleId :
518R-N

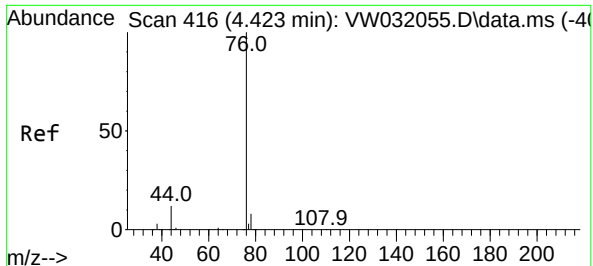
Tgt Ion:168 Resp: 136247
Ion Ratio Lower Upper
168 100
99 64.1 56.0 84.0



#16
Acetone
Concen: 97.158 ug/l
RT: 4.167 min Scan# 374
Delta R.T. 0.006 min
Lab File: VW032089.D
Acq: 14 Aug 2025 13:31

Tgt Ion: 43 Resp: 44326
Ion Ratio Lower Upper
43 100
58 27.9 26.6 39.8

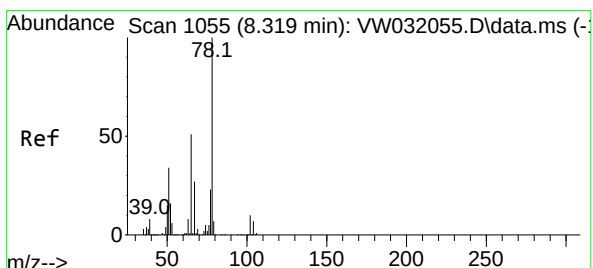
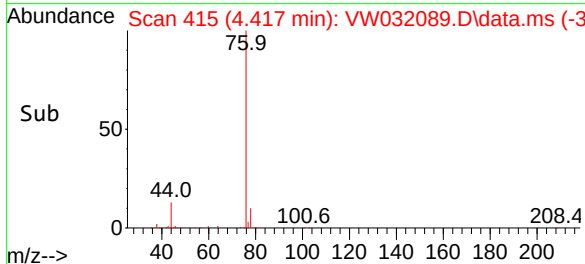
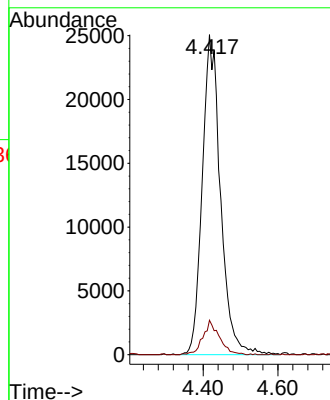
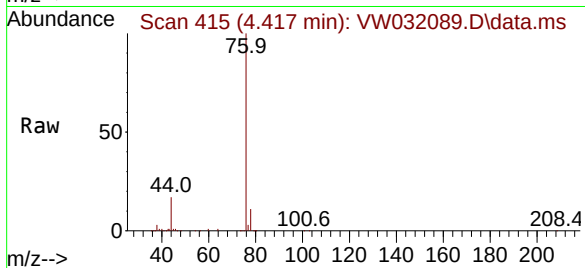




#17
Carbon Disulfide
Concen: 19.129 ug/l
RT: 4.417 min Scan# 416
Delta R.T. -0.006 min
Lab File: VW032089.D
Acq: 14 Aug 2025 13:31

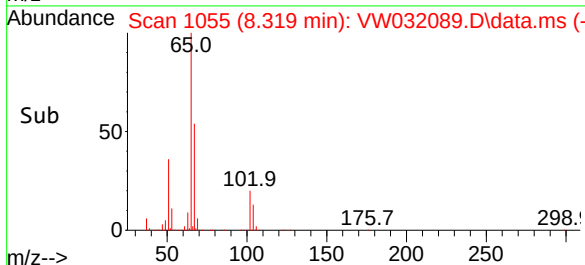
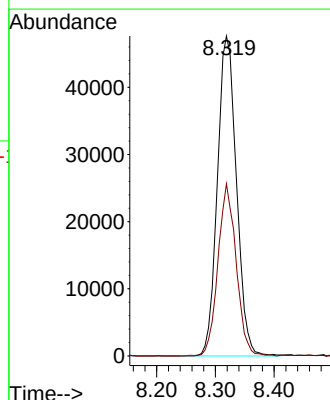
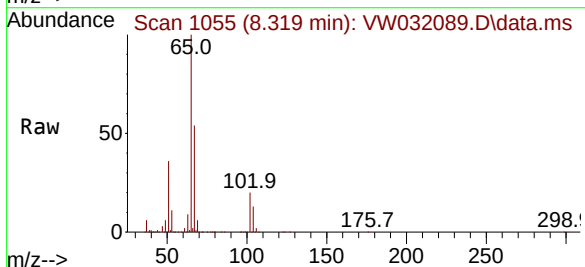
Instrument :
MSVOA_W
ClientSampleId :
518R-N

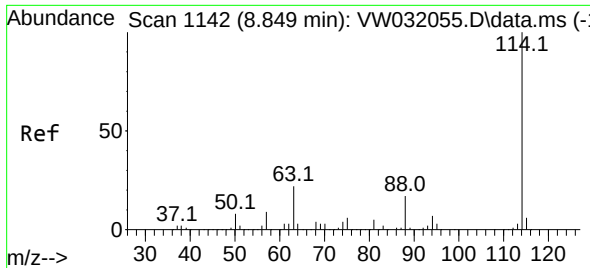
Tgt Ion: 76 Resp: 84838
Ion Ratio Lower Upper
76 100
78 10.7 6.4 9.6#



#33
1,2-Dichloroethane-d4
Concen: 54.460 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VW032089.D
Acq: 14 Aug 2025 13:31

Tgt Ion: 65 Resp: 107314
Ion Ratio Lower Upper
65 100
67 51.3 0.0 102.4

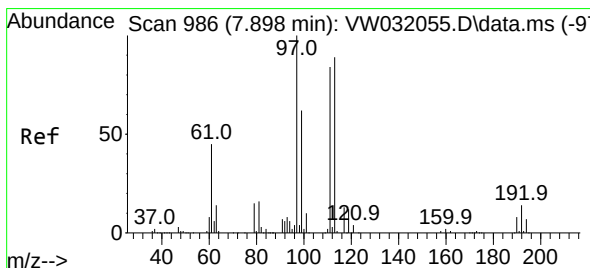
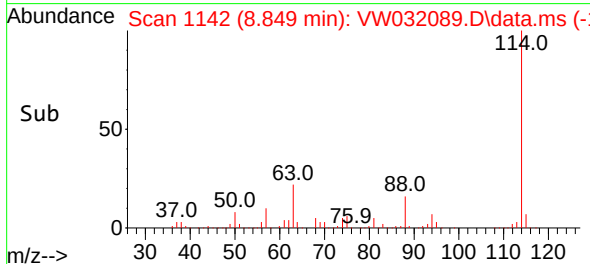
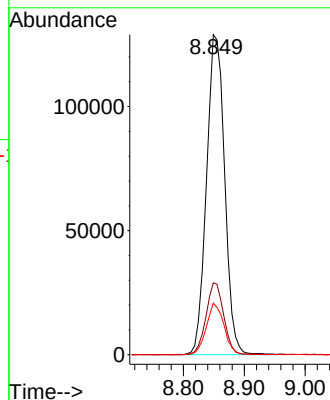
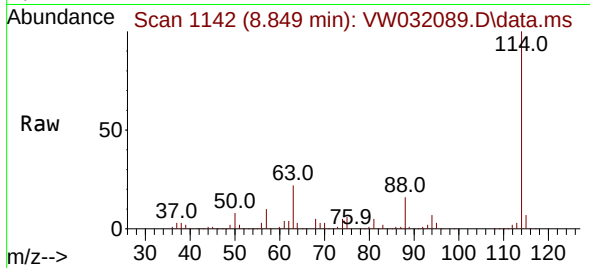




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 1142
Delta R.T. -0.000 min
Lab File: VW032089.D
Acq: 14 Aug 2025 13:31

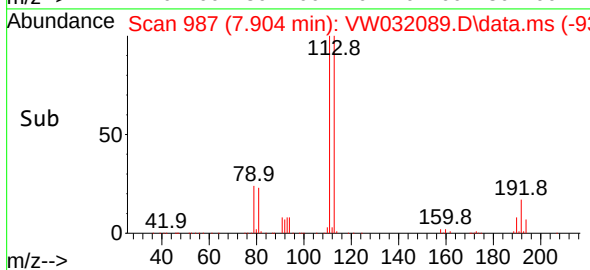
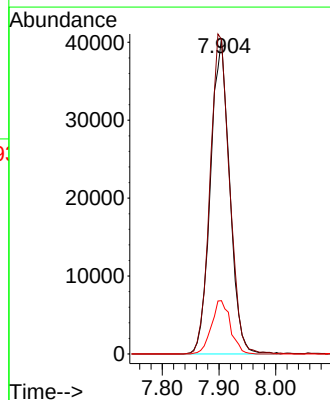
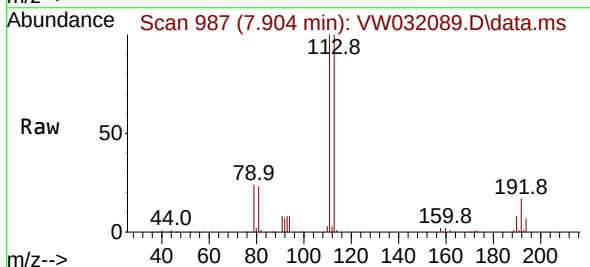
Instrument :
MSVOA_W
ClientSampleId :
518R-N

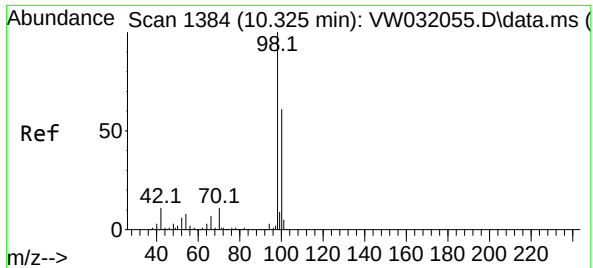
Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.4	0.0	43.0
88	16.1	0.0	33.8



#35
Dibromofluoromethane
Concen: 54.787 ug/l
RT: 7.904 min Scan# 987
Delta R.T. 0.006 min
Lab File: VW032089.D
Acq: 14 Aug 2025 13:31

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.2	80.1	120.1
192	16.8	13.1	19.7

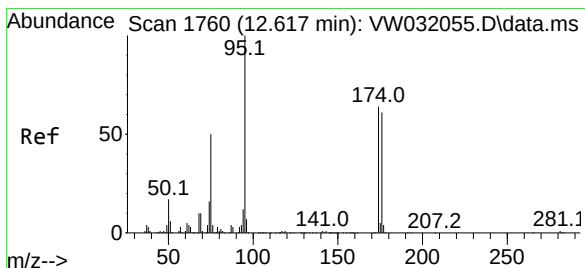
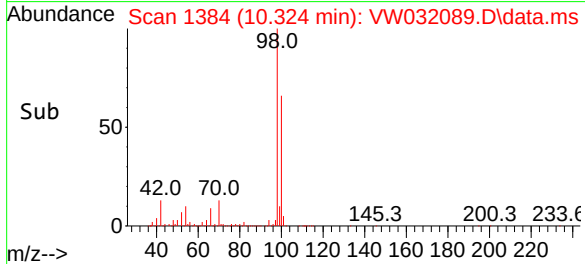
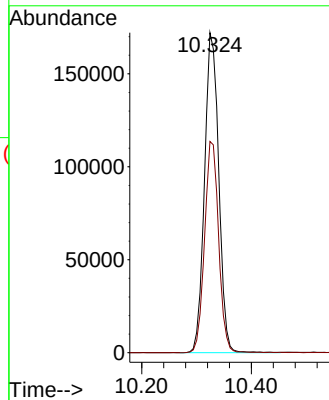
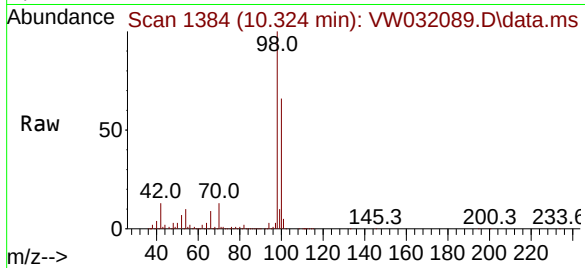




#50
Toluene-d8
Concen: 48.354 ug/l
RT: 10.324 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW032089.D
Acq: 14 Aug 2025 13:31

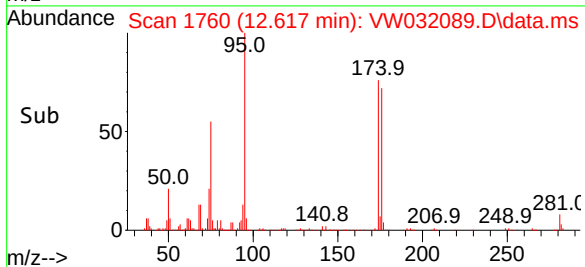
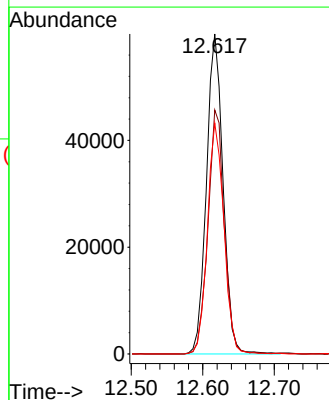
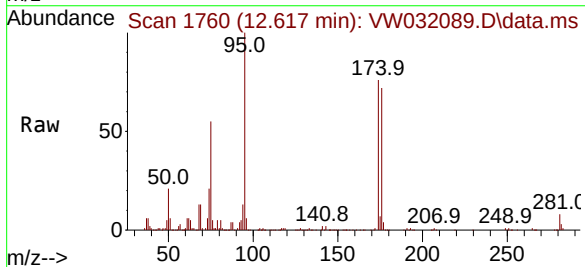
Instrument :
MSVOA_W
ClientSampleId :
518R-N

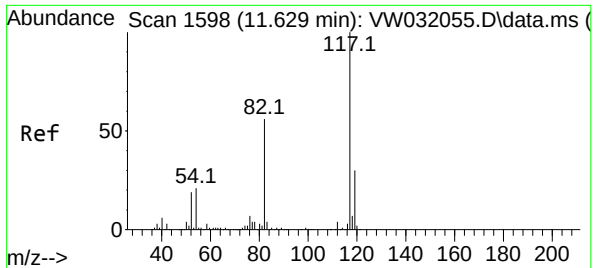
Tgt Ion: 98 Resp: 309363
Ion Ratio Lower Upper
98 100
100 65.2 51.1 76.7



#62
4-Bromofluorobenzene
Concen: 40.992 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032089.D
Acq: 14 Aug 2025 13:31

Tgt Ion: 95 Resp: 96648
Ion Ratio Lower Upper
95 100
174 75.3 0.0 129.0
176 71.9 0.0 124.6

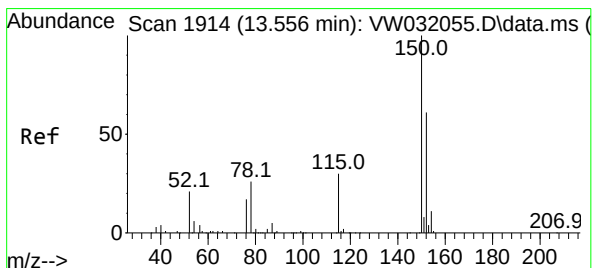
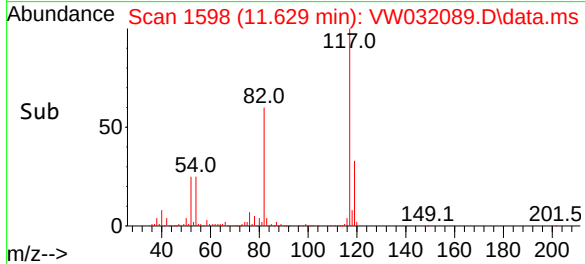
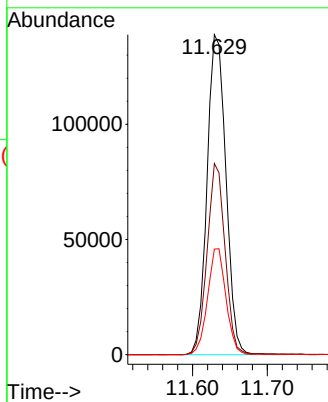
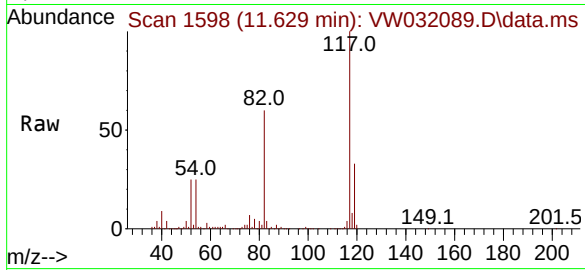




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW032089.D
Acq: 14 Aug 2025 13:31

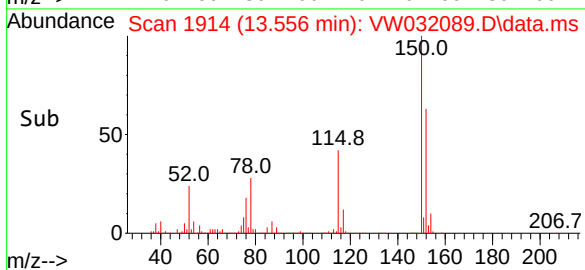
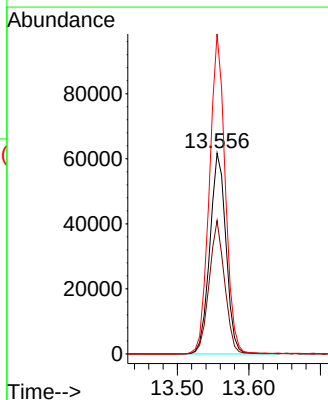
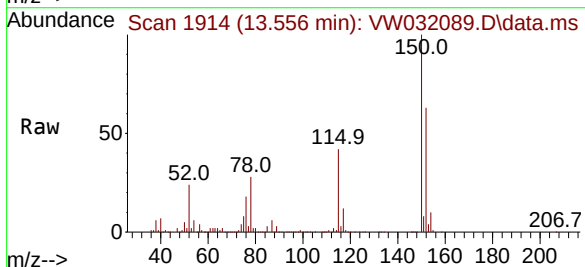
Instrument :
MSVOA_W
ClientSampleId :
518R-N

Tgt Ion	Ratio	Lower	Upper
117	100		
82	59.7	45.0	67.4
119	33.0	24.2	36.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. -0.000 min
Lab File: VW032089.D
Acq: 14 Aug 2025 13:31

Tgt Ion	Ratio	Lower	Upper
152	100		
115	63.9	32.6	97.8
150	155.7	0.0	359.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
Data File : VW032089.D
Acq On : 14 Aug 2025 13:31
Operator : SY/MD
Sample : Q2820-06
Misc : 3.48g/5mL/MSVOA_W/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
518R-N

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Title : SW846 8260

Signal : TIC: VW032089.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.161	364	373	387	rVB	27480	88963	10.33%	1.838%
2	4.417	403	415	434	rVB2	34298	117597	13.66%	2.430%
3	4.960	492	504	505	rBV5	8934	22986	2.67%	0.475%
4	7.904	971	987	991	rBV	135094	327658	38.06%	6.771%
5	7.959	991	996	1008	rVB	195327	452566	52.56%	9.352%
6	8.319	1046	1055	1065	rBV	132909	293005	34.03%	6.055%
7	8.849	1133	1142	1156	rBV	319326	665599	77.31%	13.754%
8	10.324	1375	1384	1393	rBV	476494	860983	100.00%	17.791%
9	11.629	1591	1598	1609	rBV	462380	800106	92.93%	16.533%
10	12.617	1747	1760	1771	rBV2	324294	573537	66.61%	11.851%
11	13.556	1907	1914	1926	rVB	402768	636417	73.92%	13.151%

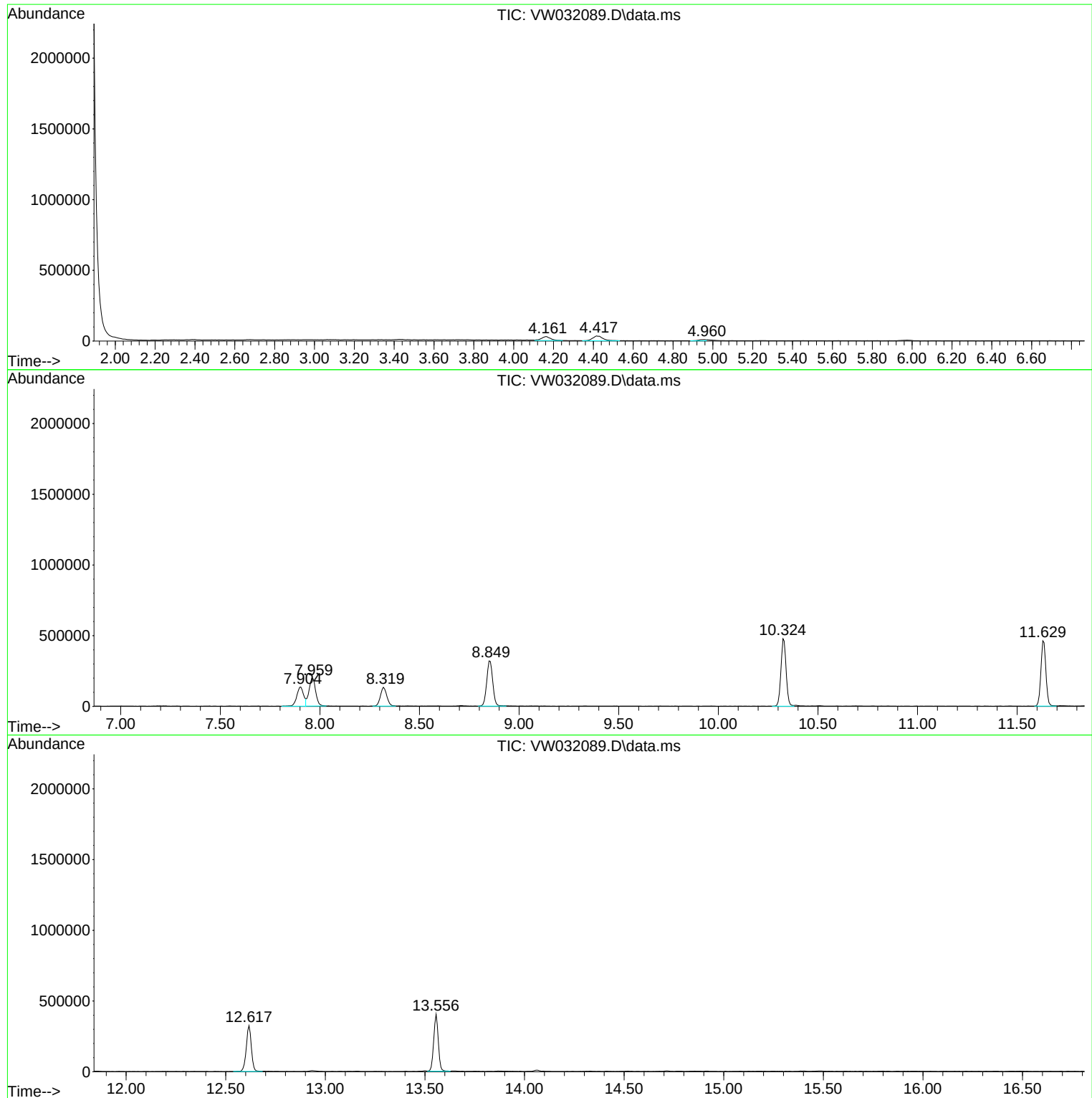
Sum of corrected areas: 4839417

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
Data File : VW032089.D
Acq On : 14 Aug 2025 13:31
Operator : SY/MD
Sample : Q2820-06
Misc : 3.48g/5mL/MSVOA_W/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
518R-N

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
Data File : VW032089.D
Acq On : 14 Aug 2025 13:31
Operator : SY/MD
Sample : Q2820-06
Misc : 3.48g/5mL/MSVOA_W/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
518R-N

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
Data File : VW032089.D
Acq On : 14 Aug 2025 13:31
Operator : SY/MD
Sample : Q2820-06
Misc : 3.48g/5mL/MSVOA_W/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
518R-N

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260

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

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

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	518R-S	SDG No.:	Q2820
Lab Sample ID:	Q2820-07	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	78.6
Sample Wt/Vol:	6.26 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032090.D	1	08/14/25 13:54	VW081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	4.10	U	1.20	4.10	5.10	ug/Kg
74-87-3	Chloromethane	2.50	U	1.20	2.50	5.10	ug/Kg
75-01-4	Vinyl Chloride	2.50	U	0.80	2.50	5.10	ug/Kg
74-83-9	Bromomethane	4.10	U	1.10	4.10	5.10	ug/Kg
75-00-3	Chloroethane	2.50	U	1.30	2.50	5.10	ug/Kg
75-69-4	Trichlorofluoromethane	4.10	U	1.20	4.10	5.10	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	2.50	U	1.10	2.50	5.10	ug/Kg
75-35-4	1,1-Dichloroethene	2.50	U	1.00	2.50	5.10	ug/Kg
67-64-1	Acetone	20.3	U	4.80	20.3	25.4	ug/Kg
75-15-0	Carbon Disulfide	4.10	U	1.10	4.10	5.10	ug/Kg
1634-04-4	Methyl tert-butyl Ether	2.50	U	0.74	2.50	5.10	ug/Kg
79-20-9	Methyl Acetate	4.10	U	1.60	4.10	5.10	ug/Kg
75-09-2	Methylene Chloride	8.10	U	3.60	8.10	10.2	ug/Kg
156-60-5	trans-1,2-Dichloroethene	2.50	U	0.87	2.50	5.10	ug/Kg
75-34-3	1,1-Dichloroethane	2.50	U	0.81	2.50	5.10	ug/Kg
110-82-7	Cyclohexane	2.50	U	0.80	2.50	5.10	ug/Kg
78-93-3	2-Butanone	20.3	U	6.60	20.3	25.4	ug/Kg
56-23-5	Carbon Tetrachloride	2.50	U	0.99	2.50	5.10	ug/Kg
156-59-2	cis-1,2-Dichloroethene	2.50	U	0.76	2.50	5.10	ug/Kg
74-97-5	Bromochloromethane	4.10	U	1.20	4.10	5.10	ug/Kg
67-66-3	Chloroform	4.10	U	0.85	4.10	5.10	ug/Kg
71-55-6	1,1,1-Trichloroethane	2.50	U	0.95	2.50	5.10	ug/Kg
108-87-2	Methylcyclohexane	2.50	U	0.92	2.50	5.10	ug/Kg
71-43-2	Benzene	2.50	U	0.80	2.50	5.10	ug/Kg
107-06-2	1,2-Dichloroethane	2.50	U	0.80	2.50	5.10	ug/Kg
79-01-6	Trichloroethene	2.50	U	0.82	2.50	5.10	ug/Kg
78-87-5	1,2-Dichloropropane	2.50	U	0.92	2.50	5.10	ug/Kg
75-27-4	Bromodichloromethane	2.50	U	0.79	2.50	5.10	ug/Kg
108-10-1	4-Methyl-2-Pentanone	12.7	U	3.60	12.7	25.4	ug/Kg
108-88-3	Toluene	2.50	U	0.79	2.50	5.10	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	518R-S	SDG No.:	Q2820
Lab Sample ID:	Q2820-07	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	78.6
Sample Wt/Vol:	6.26 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032090.D	1	08/14/25 13:54	VW081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	2.50	U	0.66	2.50	5.10	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	2.50	U	0.63	2.50	5.10	ug/Kg
79-00-5	1,1,2-Trichloroethane	2.50	U	0.93	2.50	5.10	ug/Kg
591-78-6	2-Hexanone	12.7	U	3.70	12.7	25.4	ug/Kg
124-48-1	Dibromochloromethane	2.50	U	0.88	2.50	5.10	ug/Kg
106-93-4	1,2-Dibromoethane	2.50	U	0.89	2.50	5.10	ug/Kg
127-18-4	Tetrachloroethene	2.50	U	1.10	2.50	5.10	ug/Kg
108-90-7	Chlorobenzene	2.50	U	0.92	2.50	5.10	ug/Kg
100-41-4	Ethyl Benzene	2.50	U	0.68	2.50	5.10	ug/Kg
179601-23-1	m/p-Xylenes	5.10	U	1.30	5.10	10.2	ug/Kg
95-47-6	o-Xylene	2.50	U	0.83	2.50	5.10	ug/Kg
100-42-5	Styrene	2.50	U	0.72	2.50	5.10	ug/Kg
75-25-2	Bromoform	2.50	U	0.87	2.50	5.10	ug/Kg
98-82-8	Isopropylbenzene	2.50	U	0.79	2.50	5.10	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	2.50	U	1.20	2.50	5.10	ug/Kg
541-73-1	1,3-Dichlorobenzene	2.50	U	1.70	2.50	5.10	ug/Kg
106-46-7	1,4-Dichlorobenzene	2.50	U	1.60	2.50	5.10	ug/Kg
95-50-1	1,2-Dichlorobenzene	2.50	U	1.50	2.50	5.10	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	4.10	U	1.90	4.10	5.10	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	4.10	U	3.00	4.10	5.10	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	4.10	U	3.20	4.10	5.10	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	57.2		71 - 136		114%	SPK: 50
1868-53-7	Dibromofluoromethane	54.7		78 - 119		109%	SPK: 50
2037-26-5	Toluene-d8	48.0		85 - 116		96%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.9		79 - 119		92%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	146000	7.965				
540-36-3	1,4-Difluorobenzene	301000	8.855				
3114-55-4	Chlorobenzene-d5	281000	11.629				
3855-82-1	1,4-Dichlorobenzene-d4	122000	13.556				

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	518R-S	SDG No.:	Q2820
Lab Sample ID:	Q2820-07	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	78.6
Sample Wt/Vol:	6.26 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032090.D	1	08/14/25 13:54	VW081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
------------	-----------	-------	-----------	-----	-----	------------	-------

U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 E = Value Exceeds Calibration Range
 Q = indicates LCS control criteria did not meet requirements
 M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 N = Presumptive Evidence of a Compound
 * = Values outside of QC limits
 D = Dilution
 () = Laboratory InHouse Limit
 A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
Data File : VW032090.D
Acq On : 14 Aug 2025 13:54
Operator : SY/MD
Sample : Q2820-07
Misc : 6.26g/5mL/MSVOA_W/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
518R-S

Quant Time: Aug 18 03:52:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 12 04:04:48 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.965	168	145772	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	300621	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	280561	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	122108	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	120663	57.233	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	114.460%
35) Dibromofluoromethane	7.898	113	106169	54.666	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	109.340%
50) Toluene-d8	10.331	98	344643	47.978	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	95.960%
62) 4-Bromofluorobenzene	12.617	95	121505	45.900	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	91.800%

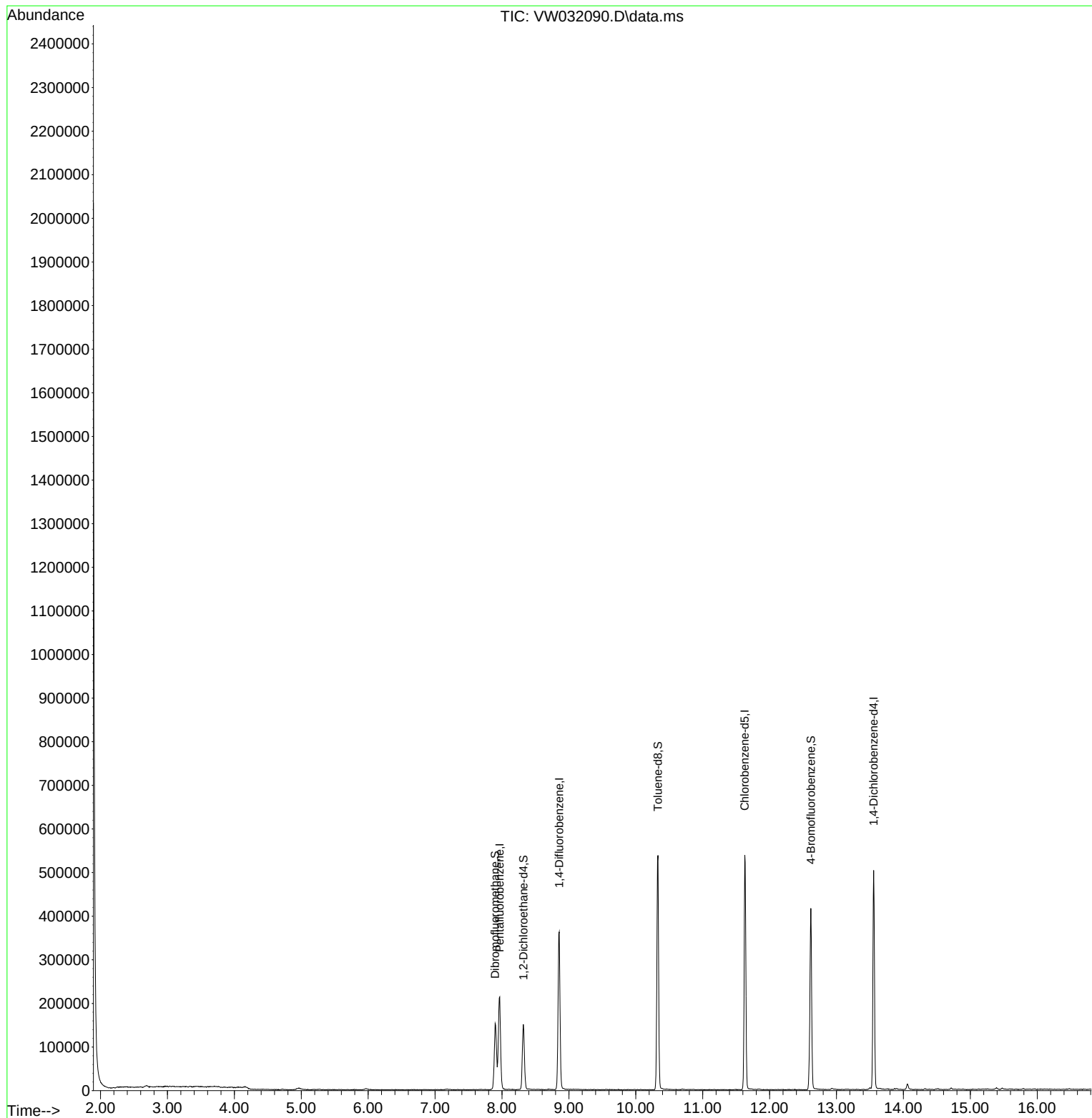
Target Compounds	Qvalue
------------------	--------

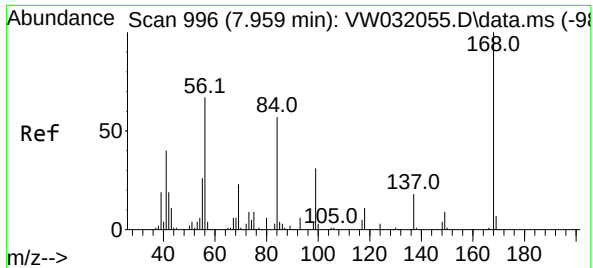
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
Data File : VW032090.D
Acq On : 14 Aug 2025 13:54
Operator : SY/MD
Sample : Q2820-07
Misc : 6.26g/5mL/MSVOA_W/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
518R-S

Quant Time: Aug 18 03:52:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 12 04:04:48 2025
Response via : Initial Calibration

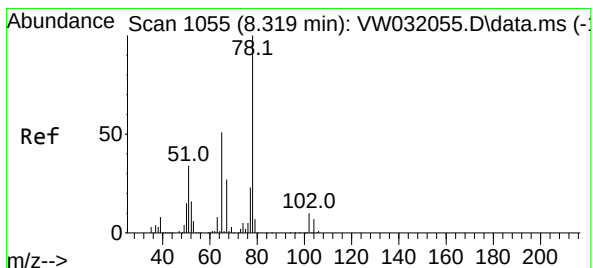
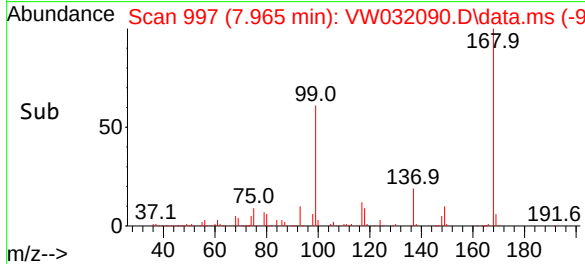
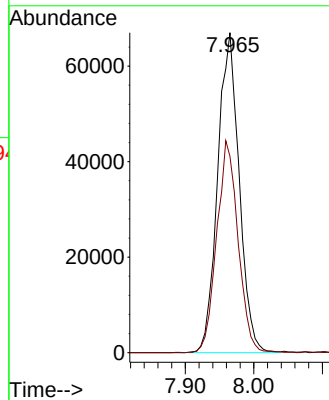
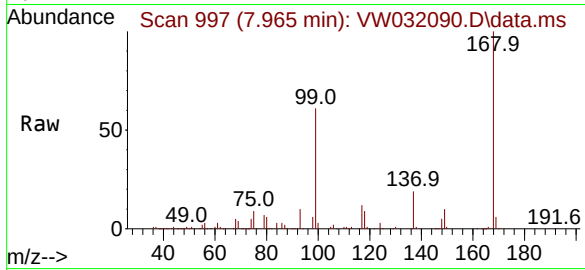




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 996
Delta R.T. 0.006 min
Lab File: VW032090.D
Acq: 14 Aug 2025 13:54

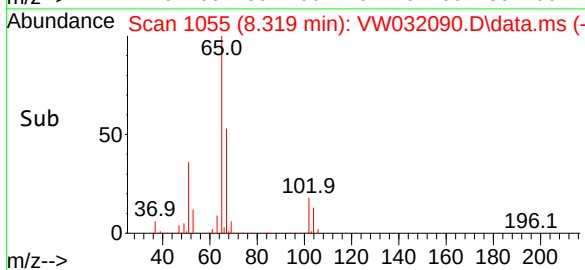
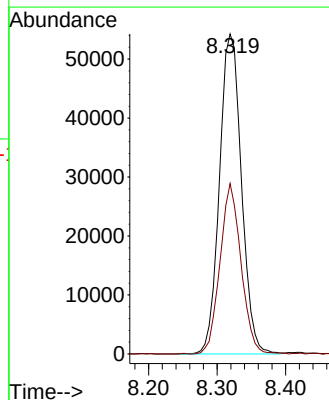
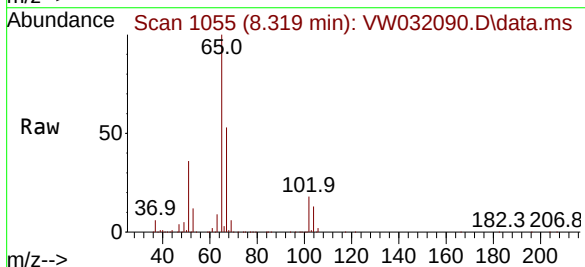
Instrument :
MSVOA_W
ClientSampleId :
518R-S

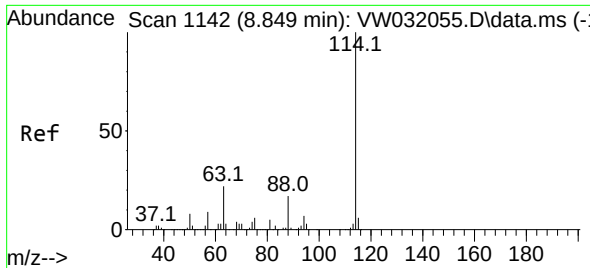
Tgt Ion:168 Resp: 145772
Ion Ratio Lower Upper
168 100
99 61.2 56.0 84.0



#33
1,2-Dichloroethane-d4
Concen: 57.233 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VW032090.D
Acq: 14 Aug 2025 13:54

Tgt Ion: 65 Resp: 120663
Ion Ratio Lower Upper
65 100
67 50.9 0.0 102.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1143

Delta R.T. 0.006 min

Lab File: VW032090.D

Acq: 14 Aug 2025 13:54

Instrument :

MSVOA_W

ClientSampleId :

518R-S

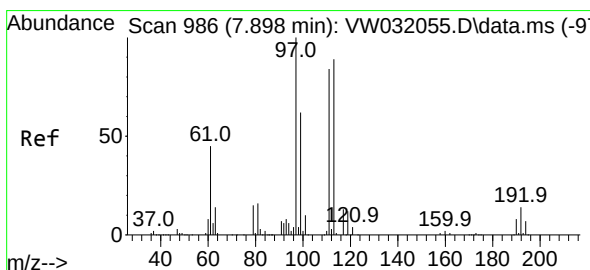
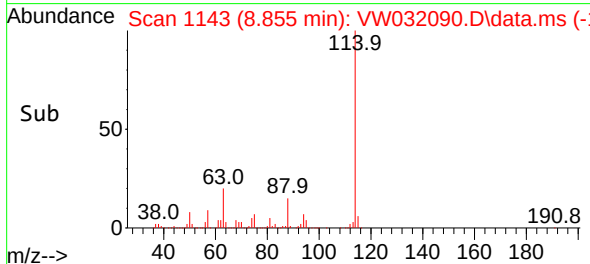
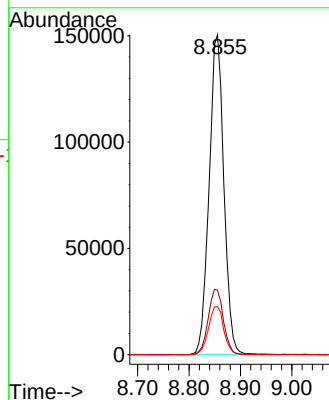
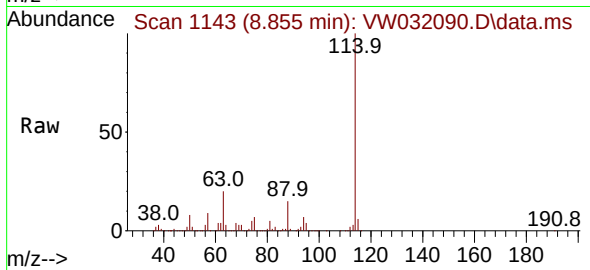
Tgt Ion:114 Resp: 300621

Ion Ratio Lower Upper

114 100

63 20.2 0.0 43.0

88 15.0 0.0 33.8



#35

Dibromofluoromethane

Concen: 54.666 ug/l

RT: 7.898 min Scan# 986

Delta R.T. -0.000 min

Lab File: VW032090.D

Acq: 14 Aug 2025 13:54

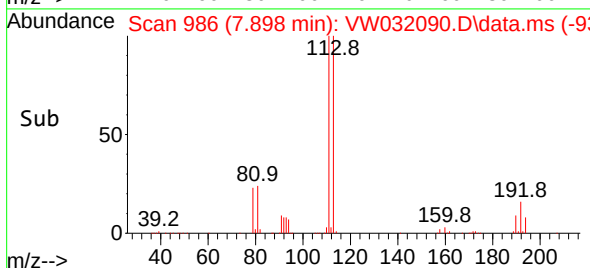
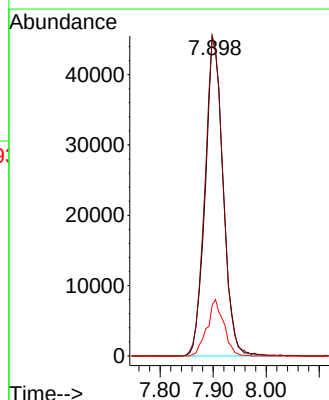
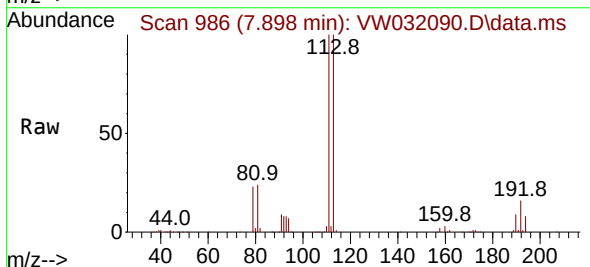
Tgt Ion:113 Resp: 106169

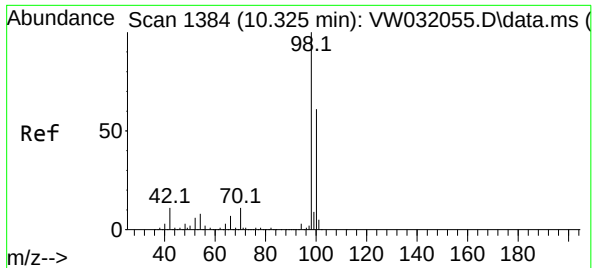
Ion Ratio Lower Upper

113 100

111 101.7 80.1 120.1

192 16.6 13.1 19.7

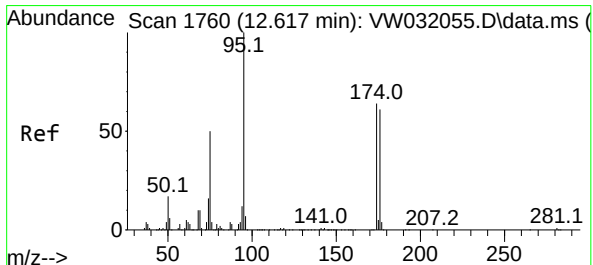
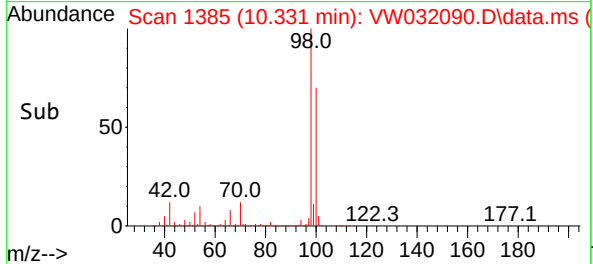
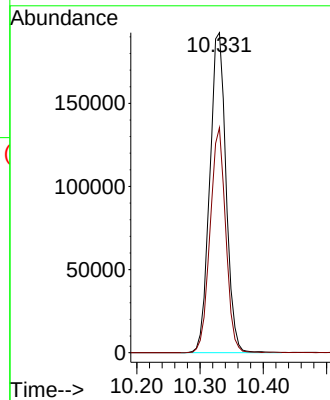
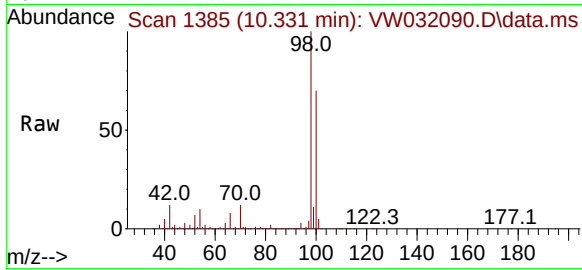




#50
Toluene-d8
Concen: 47.978 ug/l
RT: 10.331 min Scan# 1385
Delta R.T. 0.006 min
Lab File: VW032090.D
Acq: 14 Aug 2025 13:54

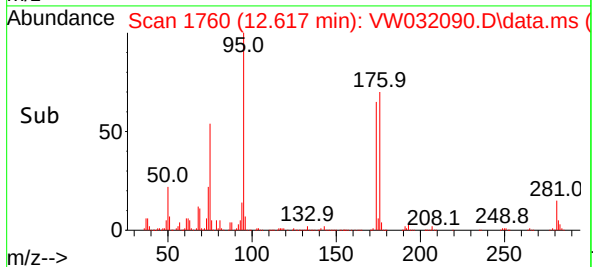
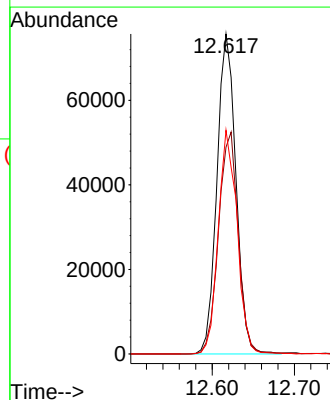
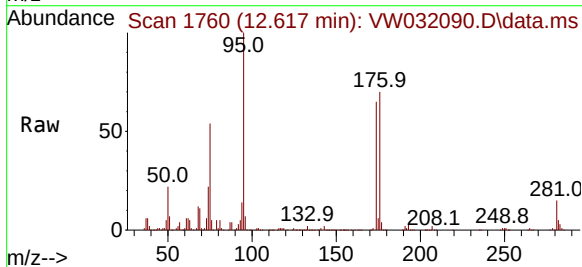
Instrument :
MSVOA_W
ClientSampleId :
518R-S

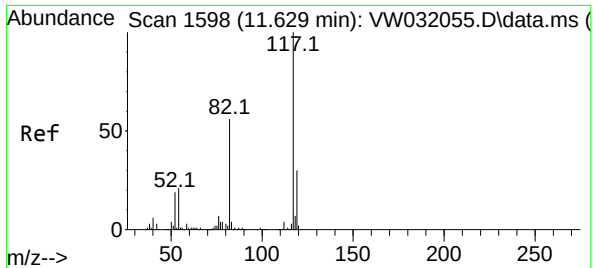
Tgt Ion: 98 Resp: 344643
Ion Ratio Lower Upper
98 100
100 67.4 51.1 76.7



#62
4-Bromofluorobenzene
Concen: 45.900 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032090.D
Acq: 14 Aug 2025 13:54

Tgt Ion: 95 Resp: 121505
Ion Ratio Lower Upper
95 100
174 72.1 0.0 129.0
176 69.5 0.0 124.6

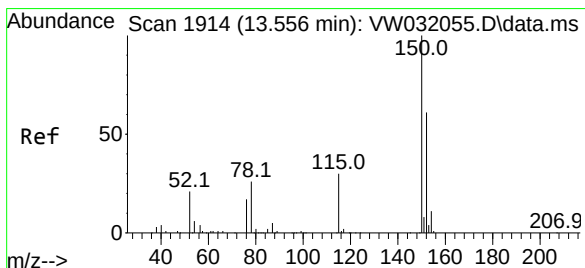
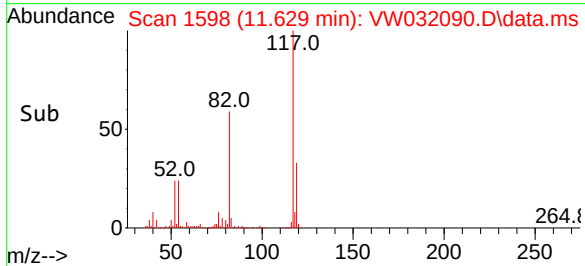
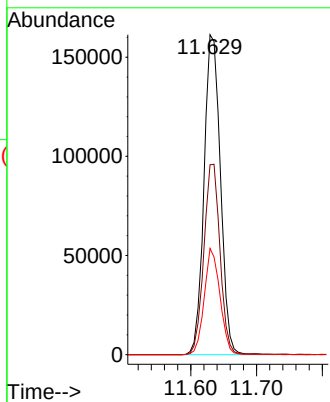
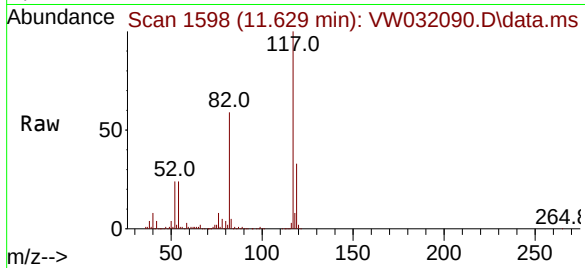




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW032090.D
Acq: 14 Aug 2025 13:54

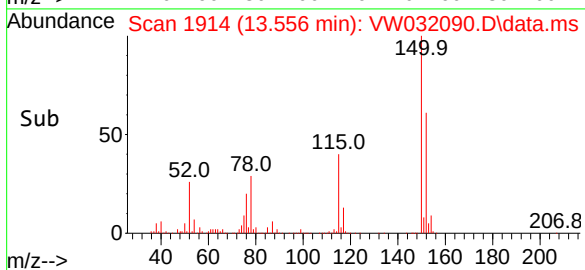
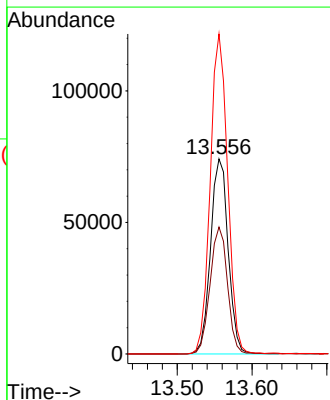
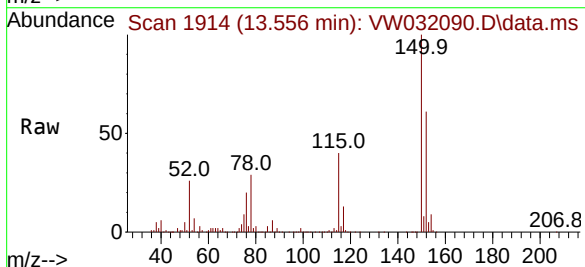
Instrument :
MSVOA_W
ClientSampleId :
518R-S

Tgt Ion:	117	Resp:	280561
Ion Ratio	Lower	Upper	
117	100		
82	59.3	45.0	67.4
119	33.2	24.2	36.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. -0.000 min
Lab File: VW032090.D
Acq: 14 Aug 2025 13:54

Tgt Ion:	152	Resp:	122108
Ion Ratio	Lower	Upper	
152	100		
115	64.3	32.6	97.8
150	161.3	0.0	359.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
Data File : VW032090.D
Acq On : 14 Aug 2025 13:54
Operator : SY/MD
Sample : Q2820-07
Misc : 6.26g/5mL/MSVOA_W/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
518R-S

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M

Title : SW846 8260

Signal : TIC: VW032090.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	7.898	975	986	991	rBV	151723	357231	37.03%	6.611%
2	7.965	991	997	1010	rVB	212184	491925	50.99%	9.104%
3	8.319	1045	1055	1065	rBV	149504	326686	33.86%	6.046%
4	8.855	1132	1143	1152	rBV	361800	742325	76.94%	13.738%
5	10.331	1375	1385	1394	rBV	537598	964764	100.00%	17.855%
6	11.629	1590	1598	1607	rBV	537558	925022	95.88%	17.119%
7	12.617	1750	1760	1771	rBV3	416104	765673	79.36%	14.170%
8	13.556	1907	1914	1925	rVB	500362	805307	83.47%	14.904%
9	14.062	1988	1997	2003	rBV2	12476	24394	2.53%	0.451%

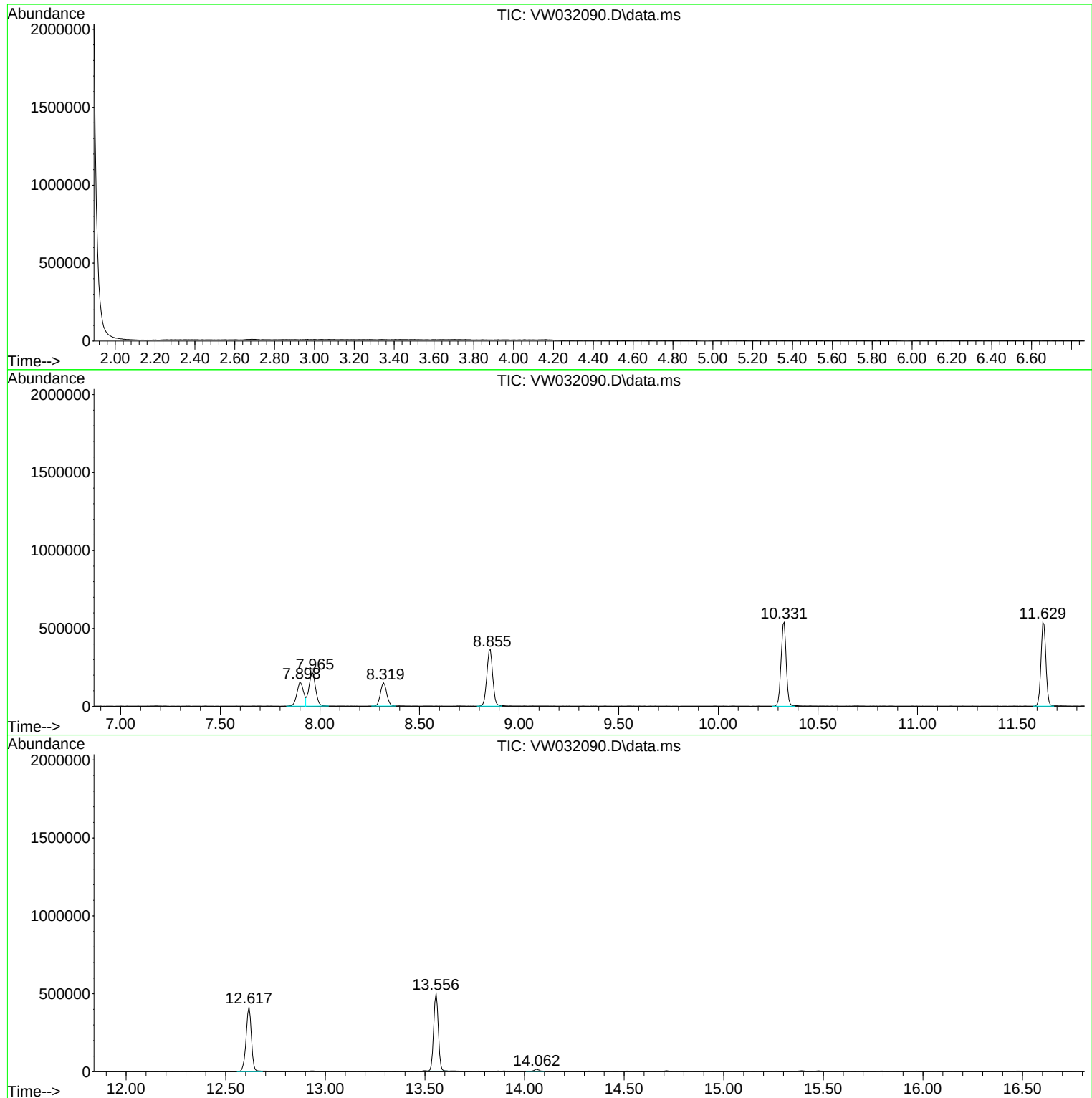
Sum of corrected areas: 5403327

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
Data File : VW032090.D
Acq On : 14 Aug 2025 13:54
Operator : SY/MD
Sample : Q2820-07
Misc : 6.26g/5mL/MSVOA_W/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
518R-S

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
Data File : VW032090.D
Acq On : 14 Aug 2025 13:54
Operator : SY/MD
Sample : Q2820-07
Misc : 6.26g/5mL/MSVOA_W/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
518R-S

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
Data File : VW032090.D
Acq On : 14 Aug 2025 13:54
Operator : SY/MD
Sample : Q2820-07
Misc : 6.26g/5mL/MSVOA_W/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
518R-S

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260

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

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

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	518R-W	SDG No.:	Q2820
Lab Sample ID:	Q2820-08	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	89
Sample Wt/Vol:	7.14 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032091.D	1	08/14/25 14:16	VW081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	3.10	U	0.90	3.10	3.90	ug/Kg
74-87-3	Chloromethane	2.00	U	0.90	2.00	3.90	ug/Kg
75-01-4	Vinyl Chloride	2.00	U	0.62	2.00	3.90	ug/Kg
74-83-9	Bromomethane	3.10	U	0.84	3.10	3.90	ug/Kg
75-00-3	Chloroethane	2.00	U	0.99	2.00	3.90	ug/Kg
75-69-4	Trichlorofluoromethane	3.10	U	0.95	3.10	3.90	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	2.00	U	0.83	2.00	3.90	ug/Kg
75-35-4	1,1-Dichloroethene	2.00	U	0.79	2.00	3.90	ug/Kg
67-64-1	Acetone	33.9		3.70	15.7	19.7	ug/Kg
75-15-0	Carbon Disulfide	3.10	U	0.83	3.10	3.90	ug/Kg
1634-04-4	Methyl tert-butyl Ether	2.00	U	0.57	2.00	3.90	ug/Kg
79-20-9	Methyl Acetate	3.10	U	1.20	3.10	3.90	ug/Kg
75-09-2	Methylene Chloride	6.60	J	2.80	6.30	7.90	ug/Kg
156-60-5	trans-1,2-Dichloroethene	2.00	U	0.68	2.00	3.90	ug/Kg
75-34-3	1,1-Dichloroethane	2.00	U	0.63	2.00	3.90	ug/Kg
110-82-7	Cyclohexane	2.00	U	0.62	2.00	3.90	ug/Kg
78-93-3	2-Butanone	15.7	U	5.10	15.7	19.7	ug/Kg
56-23-5	Carbon Tetrachloride	2.00	U	0.76	2.00	3.90	ug/Kg
156-59-2	cis-1,2-Dichloroethene	2.00	U	0.59	2.00	3.90	ug/Kg
74-97-5	Bromochloromethane	3.10	U	0.90	3.10	3.90	ug/Kg
67-66-3	Chloroform	3.10	U	0.66	3.10	3.90	ug/Kg
71-55-6	1,1,1-Trichloroethane	2.00	U	0.73	2.00	3.90	ug/Kg
108-87-2	Methylcyclohexane	2.00	U	0.72	2.00	3.90	ug/Kg
71-43-2	Benzene	2.00	U	0.62	2.00	3.90	ug/Kg
107-06-2	1,2-Dichloroethane	2.00	U	0.62	2.00	3.90	ug/Kg
79-01-6	Trichloroethene	2.00	U	0.64	2.00	3.90	ug/Kg
78-87-5	1,2-Dichloropropane	2.00	U	0.72	2.00	3.90	ug/Kg
75-27-4	Bromodichloromethane	2.00	U	0.61	2.00	3.90	ug/Kg
108-10-1	4-Methyl-2-Pentanone	9.80	U	2.80	9.80	19.7	ug/Kg
108-88-3	Toluene	2.00	U	0.61	2.00	3.90	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	518R-W	SDG No.:	Q2820
Lab Sample ID:	Q2820-08	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	89
Sample Wt/Vol:	7.14 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032091.D	1	08/14/25 14:16	VW081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	2.00	U	0.51	2.00	3.90	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	2.00	U	0.49	2.00	3.90	ug/Kg
79-00-5	1,1,2-Trichloroethane	2.00	U	0.72	2.00	3.90	ug/Kg
591-78-6	2-Hexanone	9.80	U	2.90	9.80	19.7	ug/Kg
124-48-1	Dibromochloromethane	2.00	U	0.68	2.00	3.90	ug/Kg
106-93-4	1,2-Dibromoethane	2.00	U	0.69	2.00	3.90	ug/Kg
127-18-4	Tetrachloroethene	2.00	U	0.83	2.00	3.90	ug/Kg
108-90-7	Chlorobenzene	2.00	U	0.72	2.00	3.90	ug/Kg
100-41-4	Ethyl Benzene	2.00	U	0.53	2.00	3.90	ug/Kg
179601-23-1	m/p-Xylenes	3.90	U	0.98	3.90	7.90	ug/Kg
95-47-6	o-Xylene	2.00	U	0.65	2.00	3.90	ug/Kg
100-42-5	Styrene	2.00	U	0.56	2.00	3.90	ug/Kg
75-25-2	Bromoform	2.00	U	0.68	2.00	3.90	ug/Kg
98-82-8	Isopropylbenzene	2.00	U	0.61	2.00	3.90	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	2.00	U	0.95	2.00	3.90	ug/Kg
541-73-1	1,3-Dichlorobenzene	2.00	U	1.30	2.00	3.90	ug/Kg
106-46-7	1,4-Dichlorobenzene	2.00	U	1.20	2.00	3.90	ug/Kg
95-50-1	1,2-Dichlorobenzene	2.00	U	1.10	2.00	3.90	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.10	U	1.40	3.10	3.90	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.10	U	2.30	3.10	3.90	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.10	U	2.50	3.10	3.90	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	59.0		71 - 136		118%	SPK: 50
1868-53-7	Dibromofluoromethane	59.4		78 - 119		119%	SPK: 50
2037-26-5	Toluene-d8	53.0		85 - 116		106%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.8		79 - 119		102%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	141000	7.959				
540-36-3	1,4-Difluorobenzene	276000	8.855				
3114-55-4	Chlorobenzene-d5	280000	11.635				
3855-82-1	1,4-Dichlorobenzene-d4	128000	13.556				

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	518R-W	SDG No.:	Q2820
Lab Sample ID:	Q2820-08	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	89
Sample Wt/Vol:	7.14 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032091.D	1	08/14/25 14:16	VW081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
------------	-----------	-------	-----------	-----	-----	------------	-------

U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 E = Value Exceeds Calibration Range
 Q = indicates LCS control criteria did not meet requirements
 M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 N = Presumptive Evidence of a Compound
 * = Values outside of QC limits
 D = Dilution
 () = Laboratory InHouse Limit
 A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
Data File : VW032091.D
Acq On : 14 Aug 2025 14:16
Operator : SY/MD
Sample : Q2820-08
Misc : 7.14g/5mL/MSVOA_W/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
518R-W

Quant Time: Aug 18 03:52:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 12 04:04:48 2025
Response via : Initial Calibration

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

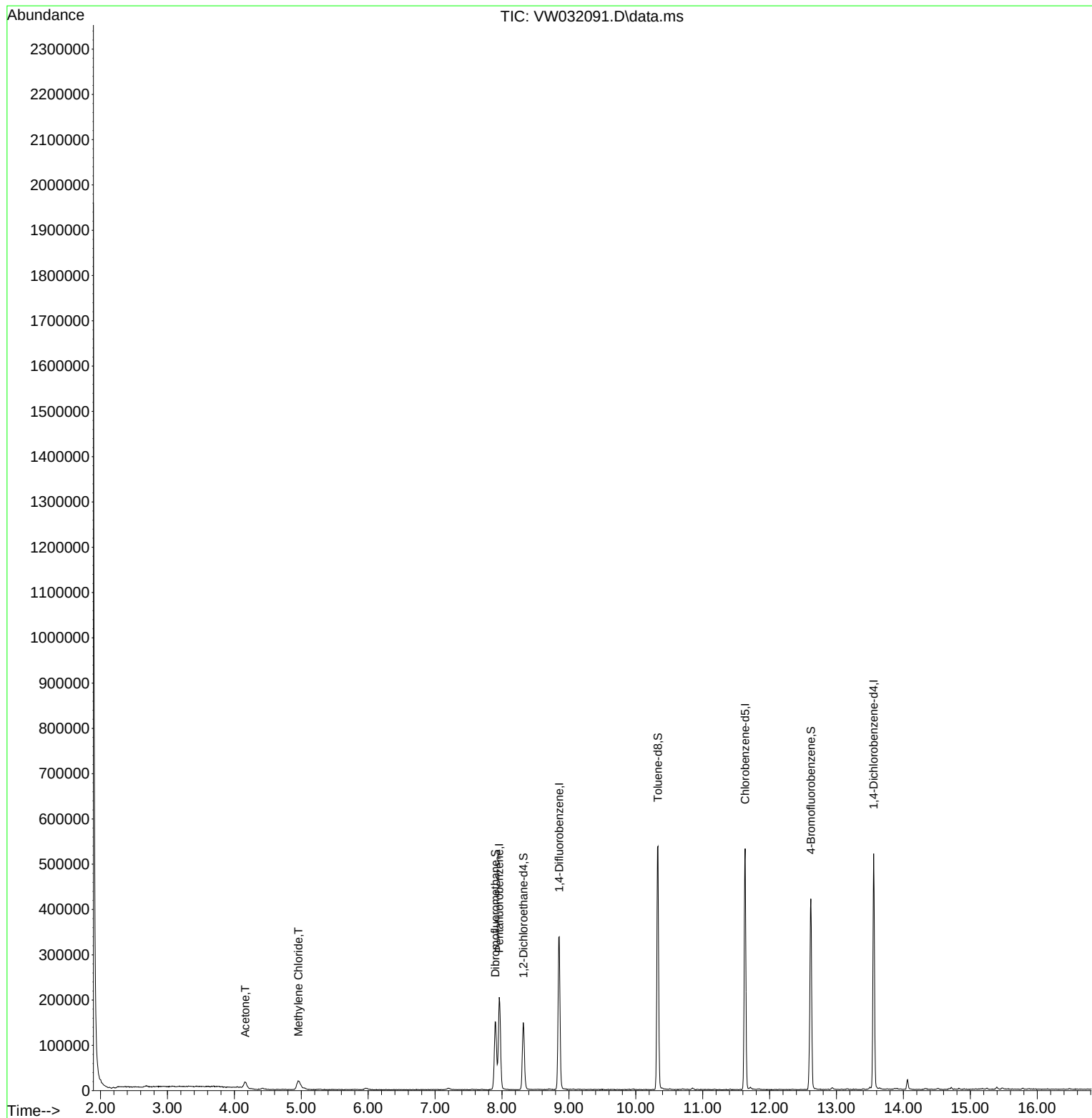
Internal Standards						
1) Pentafluorobenzene	7.959	168	140686	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	276303	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	279575	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	127979	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	120130	59.040	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	= 118.080%		
35) Dibromofluoromethane	7.898	113	105957	59.359	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	= 118.720%		
50) Toluene-d8	10.331	98	349831	52.986	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	= 105.980%		
62) 4-Bromofluorobenzene	12.617	95	123573	50.790	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	= 101.580%		
Target Compounds						Qvalue
16) Acetone	4.161	43	20310	43.113	ug/l	95
20) Methylene Chloride	4.960	84	18319	8.410	ug/l	88

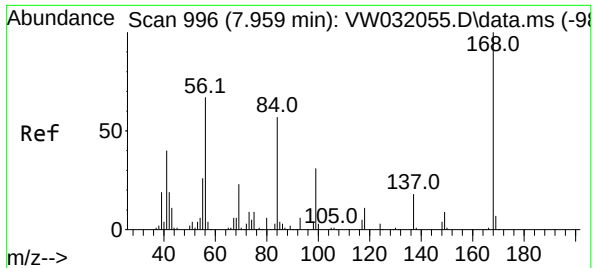
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
Data File : VW032091.D
Acq On : 14 Aug 2025 14:16
Operator : SY/MD
Sample : Q2820-08
Misc : 7.14g/5mL/MSVOA_W/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
518R-W

Quant Time: Aug 18 03:52:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 12 04:04:48 2025
Response via : Initial Calibration

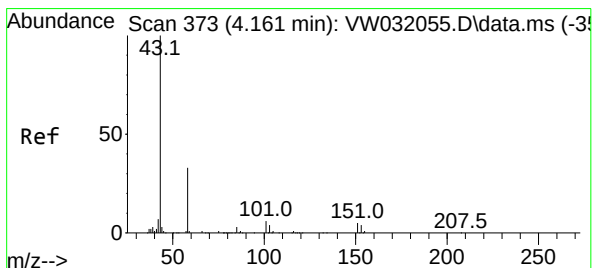
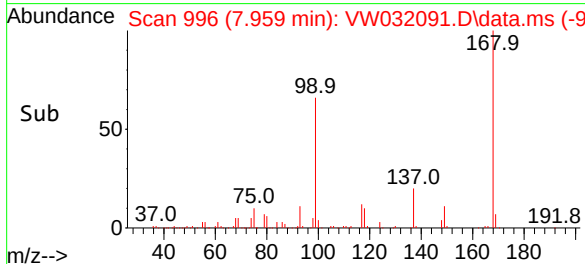
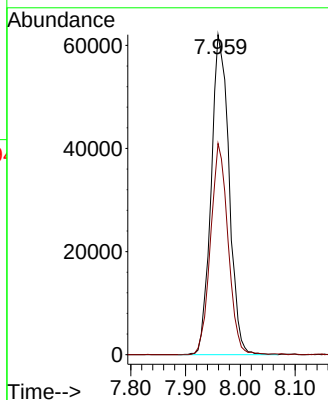
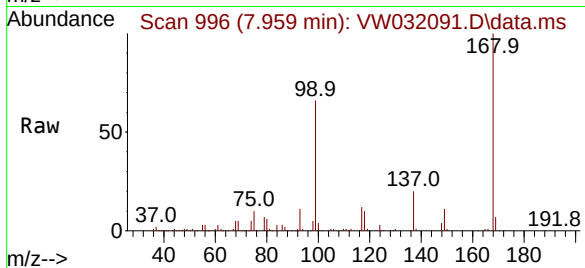




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 996
Delta R.T. 0.000 min
Lab File: VW032091.D
Acq: 14 Aug 2025 14:16

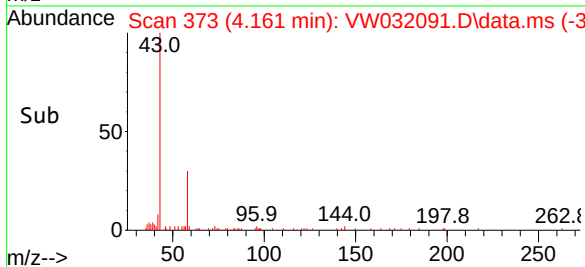
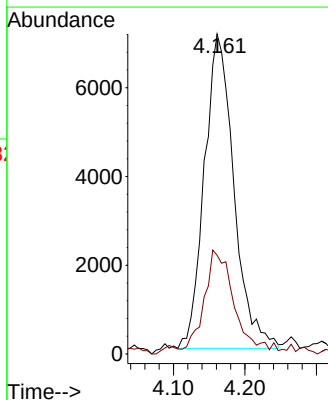
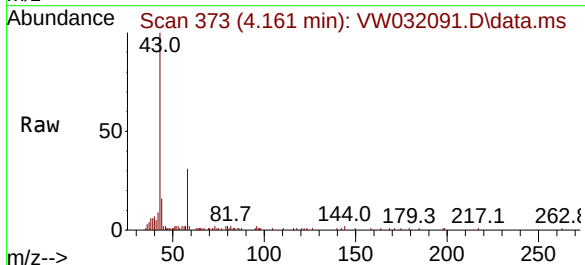
Instrument :
MSVOA_W
ClientSampleId :
518R-W

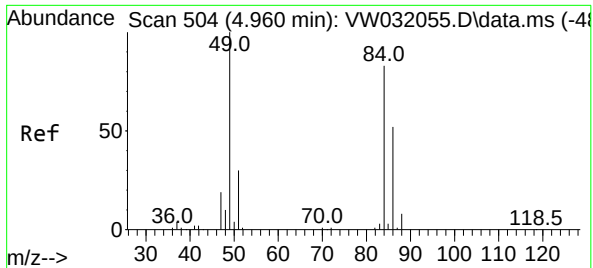
Tgt Ion:168 Resp: 140686
Ion Ratio Lower Upper
168 100
99 66.0 56.0 84.0



#16
Acetone
Concen: 43.113 ug/l
RT: 4.161 min Scan# 373
Delta R.T. -0.000 min
Lab File: VW032091.D
Acq: 14 Aug 2025 14:16

Tgt Ion: 43 Resp: 20310
Ion Ratio Lower Upper
43 100
58 30.4 26.6 39.8

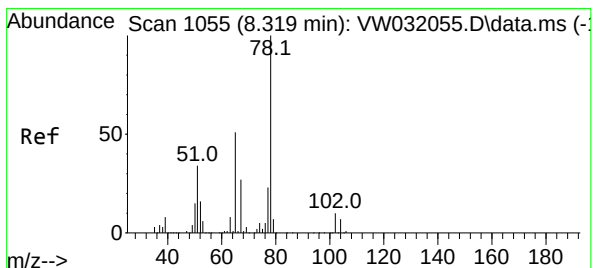
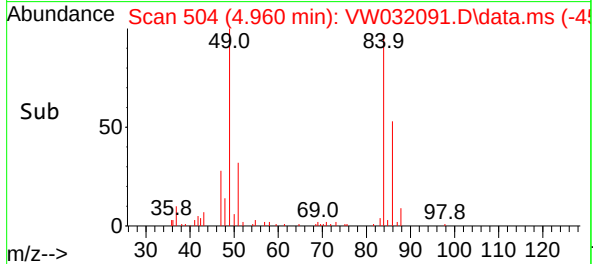
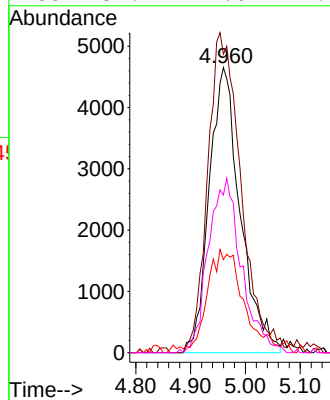
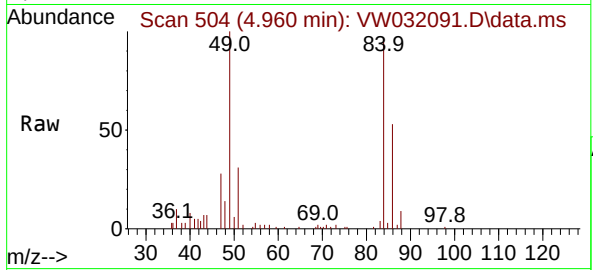




#20
Methylene Chloride
Concen: 8.410 ug/l
RT: 4.960 min Scan# 504
Delta R.T. -0.000 min
Lab File: VW032091.D
Acq: 14 Aug 2025 14:16

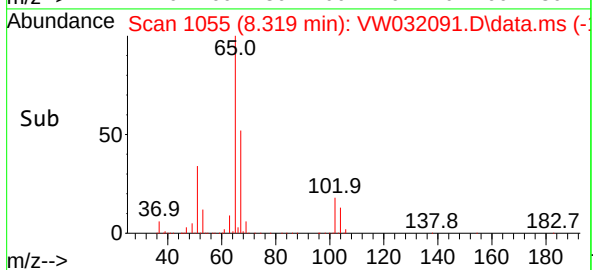
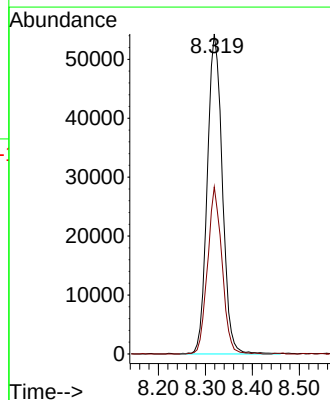
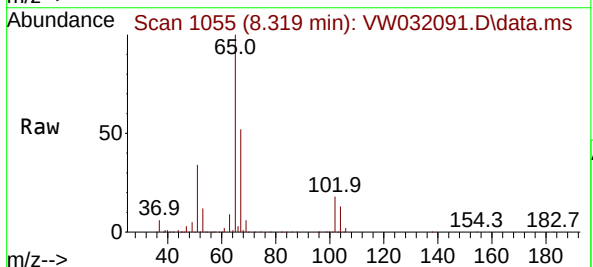
Instrument :
MSVOA_W
ClientSampleId :
518R-W

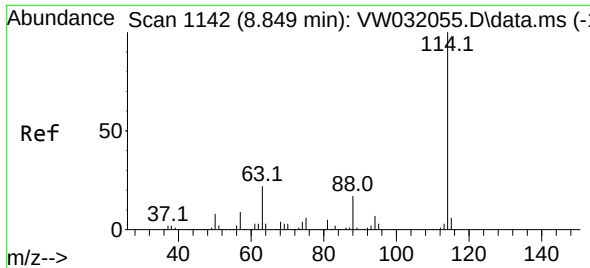
Tgt Ion:	84	Resp:	18319
Ion	Ratio	Lower	Upper
84	100		
49	104.7	95.9	143.9
51	30.6	28.6	43.0
86	54.1	49.6	74.4



#33
1,2-Dichloroethane-d4
Concen: 59.040 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VW032091.D
Acq: 14 Aug 2025 14:16

Tgt Ion:	65	Resp:	120130
Ion	Ratio	Lower	Upper
65	100		
67	50.2	0.0	102.4

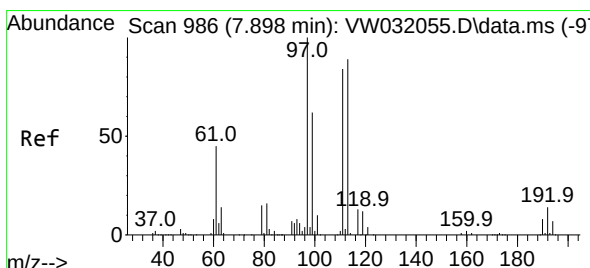
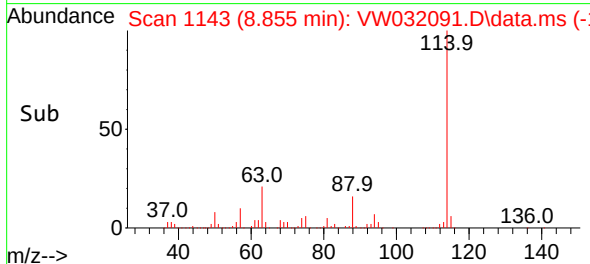
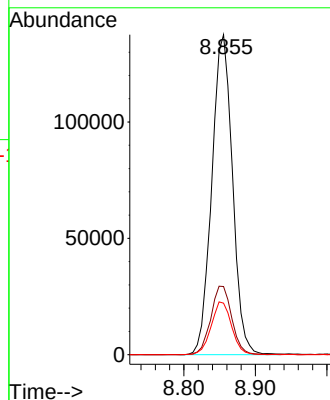
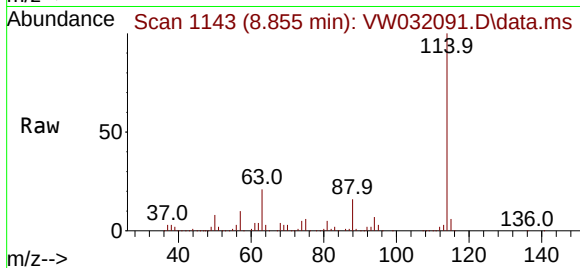




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.855 min Scan# 1143
Delta R.T. 0.006 min
Lab File: VW032091.D
Acq: 14 Aug 2025 14:16

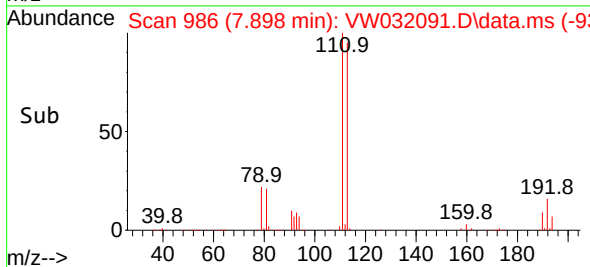
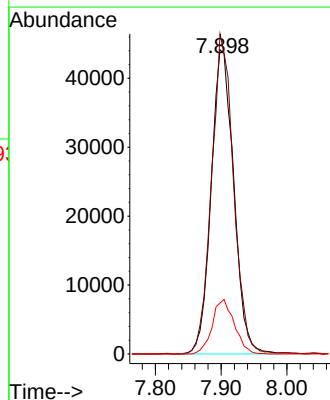
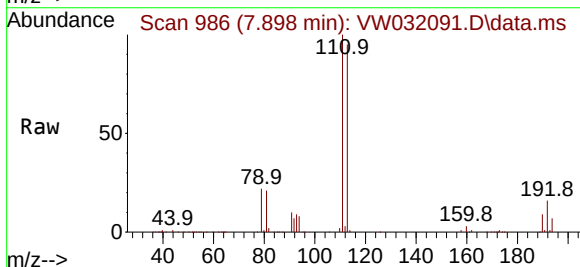
Instrument :
MSVOA_W
ClientSampleId :
518R-W

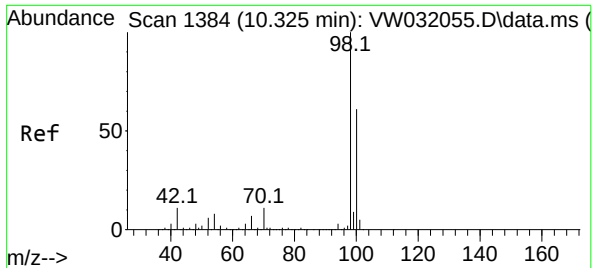
Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.3	0.0	43.0
88	16.1	0.0	33.8



#35
Dibromofluoromethane
Concen: 59.359 ug/l
RT: 7.898 min Scan# 986
Delta R.T. -0.000 min
Lab File: VW032091.D
Acq: 14 Aug 2025 14:16

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.4	80.1	120.1
192	17.4	13.1	19.7

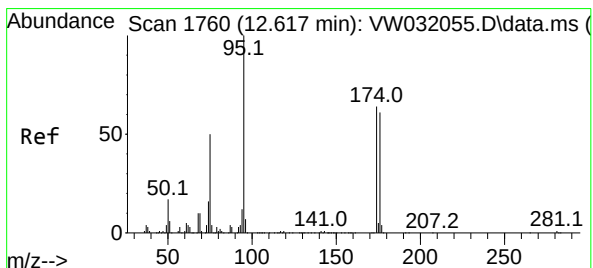
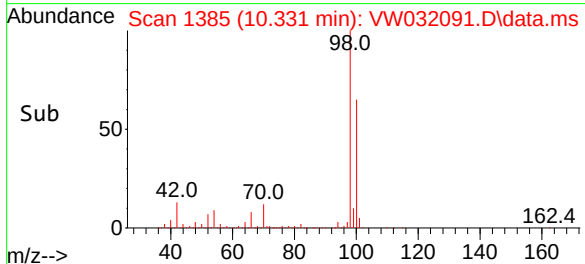
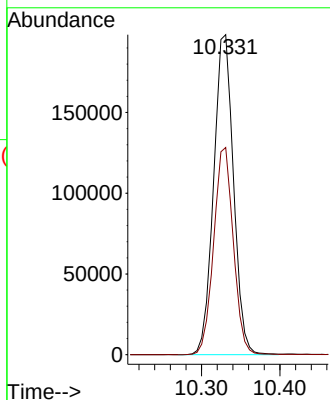
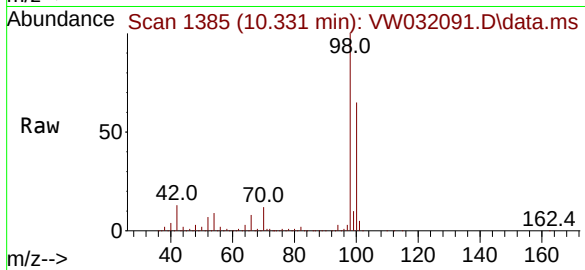




#50
Toluene-d8
Concen: 52.986 ug/l
RT: 10.331 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW032091.D
Acq: 14 Aug 2025 14:16

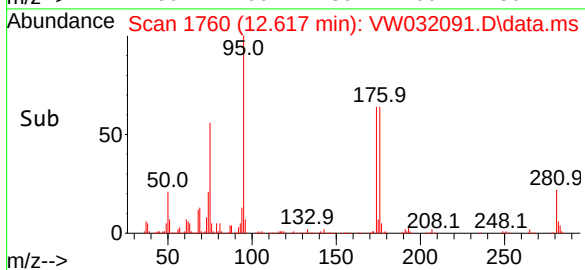
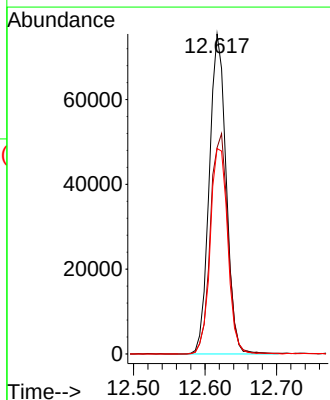
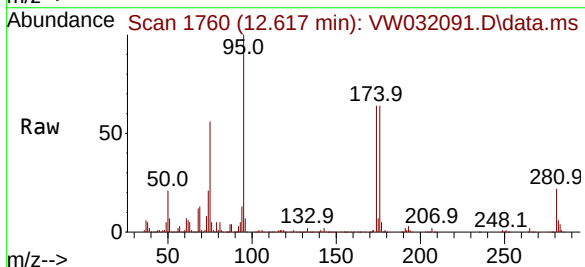
Instrument :
MSVOA_W
ClientSampleId :
518R-W

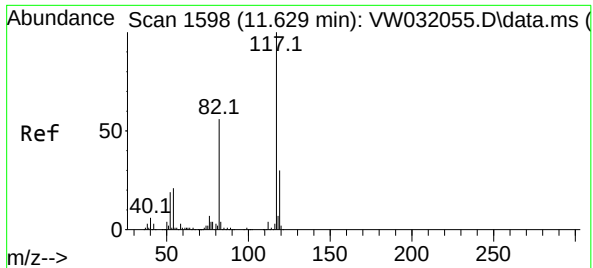
Tgt Ion: 98 Resp: 349831
Ion Ratio Lower Upper
98 100
100 64.1 51.1 76.7



#62
4-Bromofluorobenzene
Concen: 50.790 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032091.D
Acq: 14 Aug 2025 14:16

Tgt Ion: 95 Resp: 123573
Ion Ratio Lower Upper
95 100
174 71.9 0.0 129.0
176 66.7 0.0 124.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.635 min Scan# 11

Delta R.T. 0.006 min

Lab File: VW032091.D

Acq: 14 Aug 2025 14:16

Instrument :

MSVOA_W

ClientSampleId :

518R-W

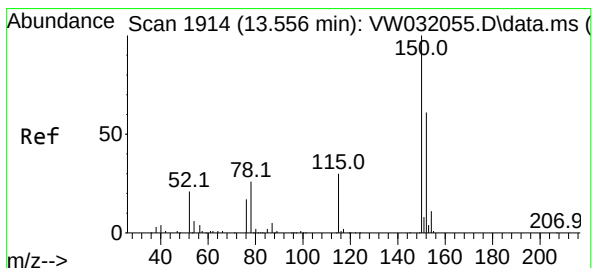
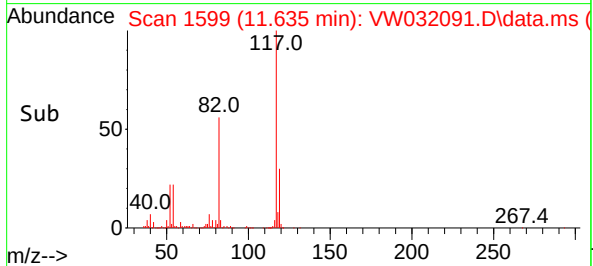
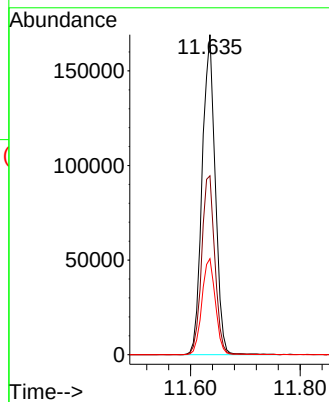
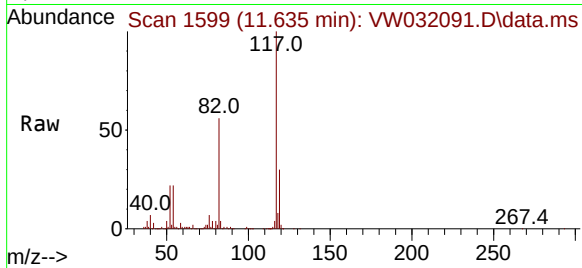
Tgt Ion:117 Resp: 279575

Ion Ratio Lower Upper

117 100

82 55.9 45.0 67.4

119 30.0 24.2 36.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.556 min Scan# 1914

Delta R.T. -0.000 min

Lab File: VW032091.D

Acq: 14 Aug 2025 14:16

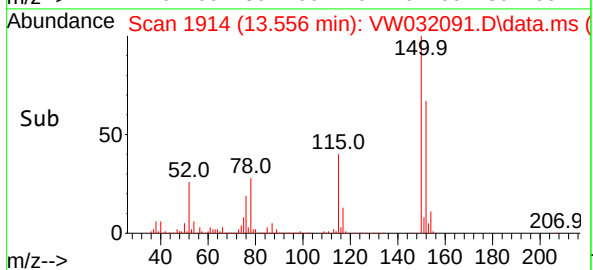
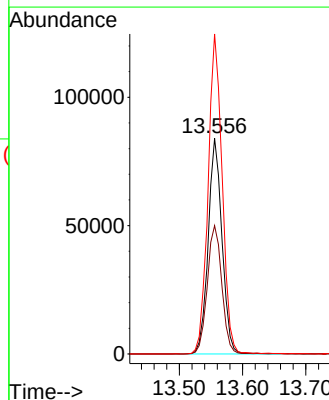
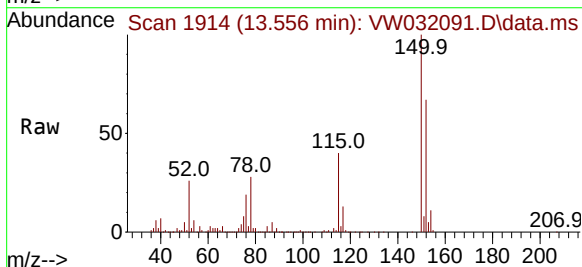
Tgt Ion:152 Resp: 127979

Ion Ratio Lower Upper

152 100

115 62.5 32.6 97.8

150 151.1 0.0 359.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
Data File : VW032091.D
Acq On : 14 Aug 2025 14:16
Operator : SY/MD
Sample : Q2820-08
Misc : 7.14g/5mL/MSVOA_W/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
518R-W

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M

Title : SW846 8260

Signal : TIC: VW032091.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.161	366	373	383	rVB2	14470	47096	4.89%	0.858%
2	4.954	493	503	516	rBV3	19099	79951	8.30%	1.457%
3	7.898	976	986	991	rBV	149324	355609	36.94%	6.479%
4	7.959	991	996	1013	rVB	203651	466395	48.44%	8.498%
5	8.319	1045	1055	1065	rBV	148111	327740	34.04%	5.971%
6	8.855	1134	1143	1153	rBV	337189	692868	71.97%	12.624%
7	10.331	1374	1385	1393	rBV	537083	962771	100.00%	17.542%
8	11.635	1590	1599	1606	rBV	532789	908443	94.36%	16.552%
9	12.617	1752	1760	1769	rBV2	420821	796004	82.68%	14.503%
10	13.556	1907	1914	1924	rVB	518789	817486	84.91%	14.894%
11	14.062	1992	1997	2002	rBV	21088	34150	3.55%	0.622%

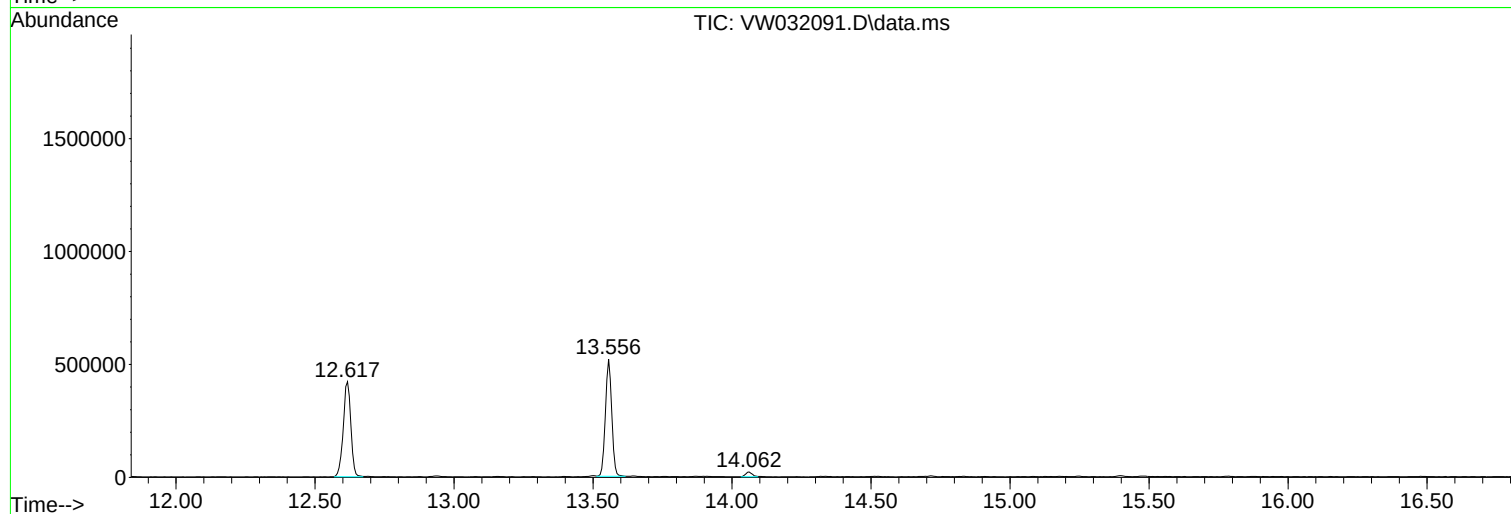
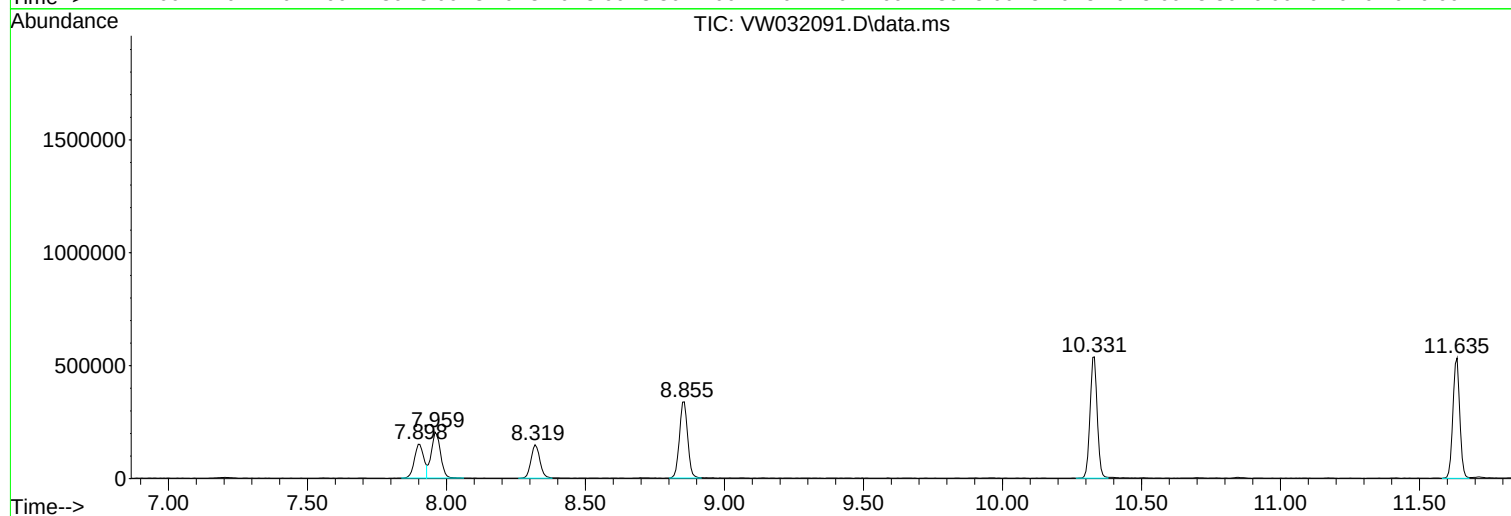
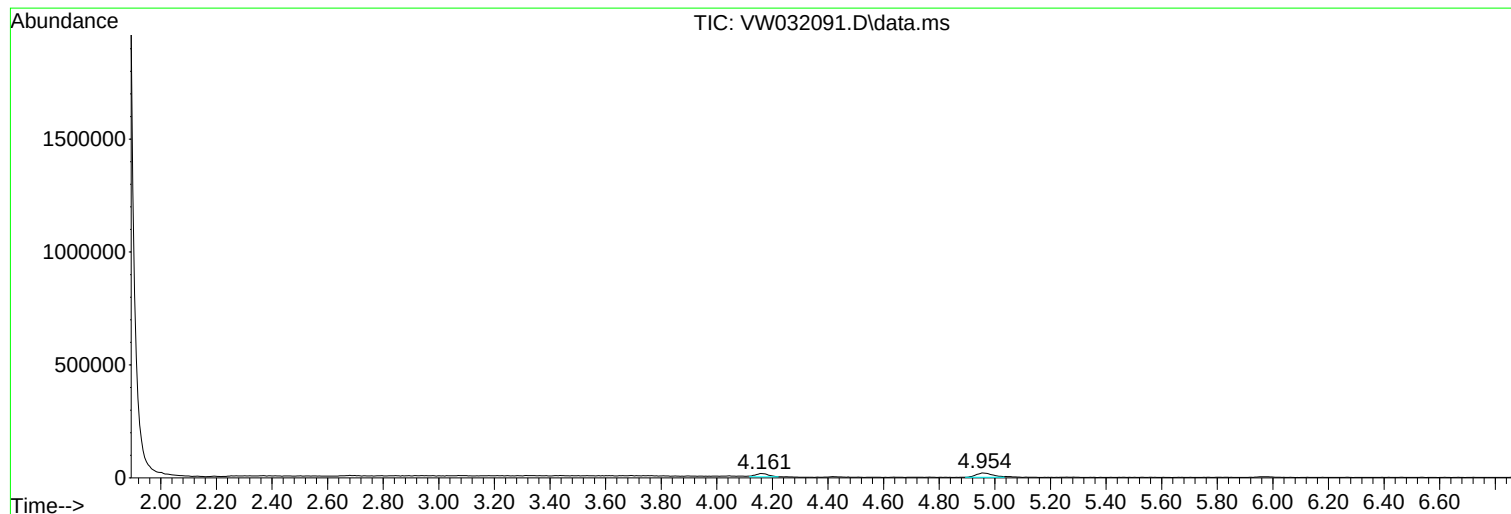
Sum of corrected areas: 5488513

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
Data File : VW032091.D
Acq On : 14 Aug 2025 14:16
Operator : SY/MD
Sample : Q2820-08
Misc : 7.14g/5mL/MSVOA_W/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
518R-W

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
Data File : VW032091.D
Acq On : 14 Aug 2025 14:16
Operator : SY/MD
Sample : Q2820-08
Misc : 7.14g/5mL/MSVOA_W/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
518R-W

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
Data File : VW032091.D
Acq On : 14 Aug 2025 14:16
Operator : SY/MD
Sample : Q2820-08
Misc : 7.14g/5mL/MSVOA_W/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
518R-W

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260

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

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

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	705R-S	SDG No.:	Q2820
Lab Sample ID:	Q2820-09	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	55.8
Sample Wt/Vol:	6.4	Units: g	Final Vol: 5000 uL
Soil Aliquot Vol:		uL	Test: VOC-TCLVOA-10
GC Column:	RXI-624	ID : 0.25	Level : LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032092.D	1	08/14/25 14:39	VW081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	5.60	U	1.60	5.60	7.00	ug/Kg
74-87-3	Chloromethane	3.50	U	1.60	3.50	7.00	ug/Kg
75-01-4	Vinyl Chloride	3.50	U	1.10	3.50	7.00	ug/Kg
74-83-9	Bromomethane	5.60	U	1.50	5.60	7.00	ug/Kg
75-00-3	Chloroethane	3.50	U	1.80	3.50	7.00	ug/Kg
75-69-4	Trichlorofluoromethane	5.60	U	1.70	5.60	7.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	3.50	U	1.50	3.50	7.00	ug/Kg
75-35-4	1,1-Dichloroethene	3.50	U	1.40	3.50	7.00	ug/Kg
67-64-1	Acetone	30.8	J	6.60	28.0	35.0	ug/Kg
75-15-0	Carbon Disulfide	5.60	U	1.50	5.60	7.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	3.50	U	1.00	3.50	7.00	ug/Kg
79-20-9	Methyl Acetate	5.60	U	2.20	5.60	7.00	ug/Kg
75-09-2	Methylene Chloride	11.2	U	4.90	11.2	14.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	3.50	U	1.20	3.50	7.00	ug/Kg
75-34-3	1,1-Dichloroethane	3.50	U	1.10	3.50	7.00	ug/Kg
110-82-7	Cyclohexane	3.50	U	1.10	3.50	7.00	ug/Kg
78-93-3	2-Butanone	28.0	U	9.20	28.0	35.0	ug/Kg
56-23-5	Carbon Tetrachloride	3.50	U	1.40	3.50	7.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	3.50	U	1.10	3.50	7.00	ug/Kg
74-97-5	Bromochloromethane	5.60	U	1.60	5.60	7.00	ug/Kg
67-66-3	Chloroform	5.60	U	1.20	5.60	7.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	3.50	U	1.30	3.50	7.00	ug/Kg
108-87-2	Methylcyclohexane	3.50	U	1.30	3.50	7.00	ug/Kg
71-43-2	Benzene	3.50	U	1.10	3.50	7.00	ug/Kg
107-06-2	1,2-Dichloroethane	3.50	U	1.10	3.50	7.00	ug/Kg
79-01-6	Trichloroethene	3.50	U	1.10	3.50	7.00	ug/Kg
78-87-5	1,2-Dichloropropane	3.50	U	1.30	3.50	7.00	ug/Kg
75-27-4	Bromodichloromethane	3.50	U	1.10	3.50	7.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	17.5	U	5.00	17.5	35.0	ug/Kg
108-88-3	Toluene	3.50	U	1.10	3.50	7.00	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	705R-S	SDG No.:	Q2820
Lab Sample ID:	Q2820-09	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	55.8
Sample Wt/Vol:	6.4	Units: g	Final Vol: 5000 uL
Soil Aliquot Vol:		uL	Test: VOC-TCLVOA-10
GC Column:	RXI-624	ID : 0.25	Level : LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032092.D	1	08/14/25 14:39	VW081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	3.50	U	0.91	3.50	7.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	3.50	U	0.87	3.50	7.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	3.50	U	1.30	3.50	7.00	ug/Kg
591-78-6	2-Hexanone	17.5	U	5.20	17.5	35.0	ug/Kg
124-48-1	Dibromochloromethane	3.50	U	1.20	3.50	7.00	ug/Kg
106-93-4	1,2-Dibromoethane	3.50	U	1.20	3.50	7.00	ug/Kg
127-18-4	Tetrachloroethene	3.50	U	1.50	3.50	7.00	ug/Kg
108-90-7	Chlorobenzene	3.50	U	1.30	3.50	7.00	ug/Kg
100-41-4	Ethyl Benzene	3.50	U	0.94	3.50	7.00	ug/Kg
179601-23-1	m/p-Xylenes	7.00	U	1.70	7.00	14.0	ug/Kg
95-47-6	o-Xylene	3.50	U	1.10	3.50	7.00	ug/Kg
100-42-5	Styrene	3.50	U	0.99	3.50	7.00	ug/Kg
75-25-2	Bromoform	3.50	U	1.20	3.50	7.00	ug/Kg
98-82-8	Isopropylbenzene	3.50	U	1.10	3.50	7.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	3.50	U	1.70	3.50	7.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	3.50	U	2.40	3.50	7.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	3.50	U	2.20	3.50	7.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	3.50	U	2.00	3.50	7.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	5.60	U	2.60	5.60	7.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	5.60	U	4.20	5.60	7.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	5.60	U	4.50	5.60	7.00	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	65.6		71 - 136		131%	SPK: 50
1868-53-7	Dibromofluoromethane	55.3		78 - 119		111%	SPK: 50
2037-26-5	Toluene-d8	48.7		85 - 116		97%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.8		79 - 119		98%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	140000	7.959				
540-36-3	1,4-Difluorobenzene	293000	8.849				
3114-55-4	Chlorobenzene-d5	286000	11.635				
3855-82-1	1,4-Dichlorobenzene-d4	130000	13.556				

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	705R-S	SDG No.:	Q2820
Lab Sample ID:	Q2820-09	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	55.8
Sample Wt/Vol:	6.4	Units:	g
Soil Aliquot Vol:			uL
GC Column:	RXI-624	ID :	0.25
Prep Method :		Level :	LOW
		Final Vol:	5000
		Test:	VOC-TCLVOA-10

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032092.D	1	08/14/25 14:39	VW081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
------------	-----------	-------	-----------	-----	-----	------------	-------

U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 E = Value Exceeds Calibration Range
 Q = indicates LCS control criteria did not meet requirements
 M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 N = Presumptive Evidence of a Compound
 * = Values outside of QC limits
 D = Dilution
 () = Laboratory InHouse Limit
 A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
Data File : VW032092.D
Acq On : 14 Aug 2025 14:39
Operator : SY/MD
Sample : Q2820-09
Misc : 6.40g/5mL/MSVOA_W/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
705R-S

Quant Time: Aug 18 03:52:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 12 04:04:48 2025
Response via : Initial Calibration

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

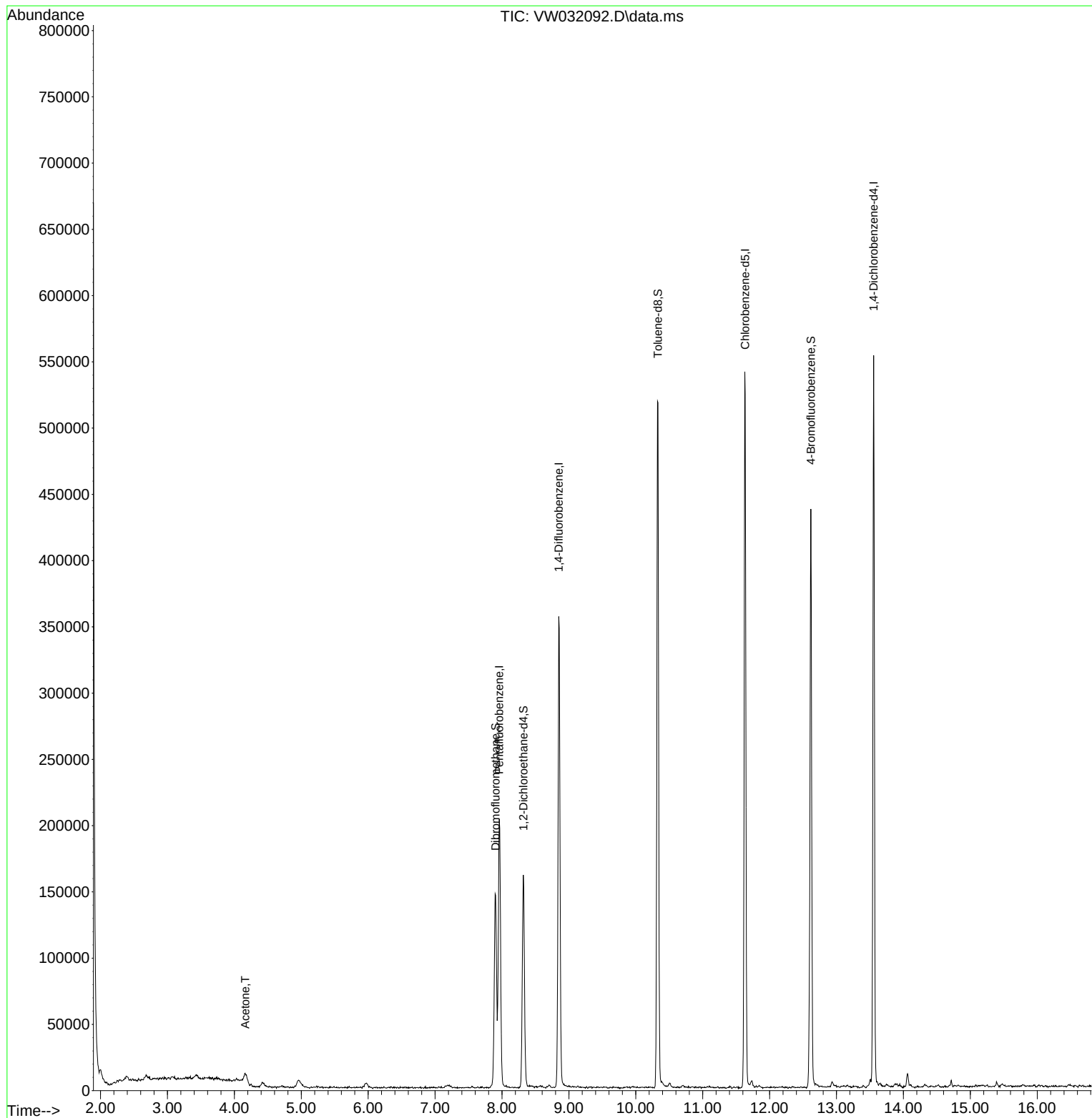
Internal Standards						
1) Pentafluorobenzene	7.959	168	139519	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	293162	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	286216	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	129964	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	132296	65.563	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	=	131.120%	
35) Dibromofluoromethane	7.904	113	104800	55.334	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	=	110.660%	
50) Toluene-d8	10.331	98	340851	48.657	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	=	97.320%	
62) 4-Bromofluorobenzene	12.617	95	126079	48.840	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	=	97.680%	
Target Compounds						
16) Acetone	4.161	43	10275	21.994	ug/l	Qvalue # 85

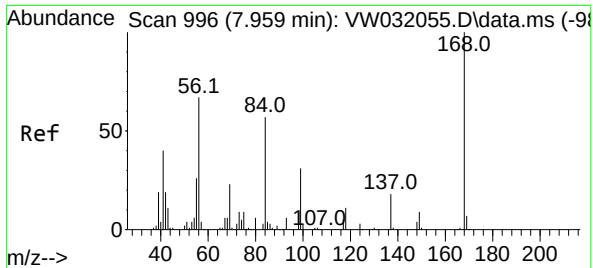
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
Data File : VW032092.D
Acq On : 14 Aug 2025 14:39
Operator : SY/MD
Sample : Q2820-09
Misc : 6.40g/5mL/MSVOA_W/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
705R-S

Quant Time: Aug 18 03:52:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 12 04:04:48 2025
Response via : Initial Calibration

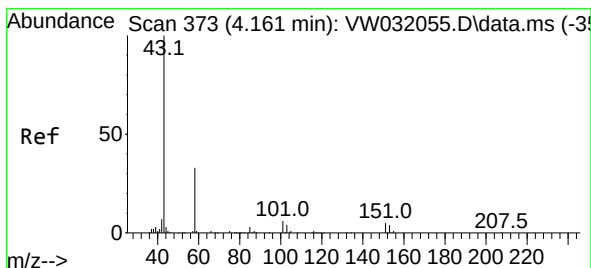
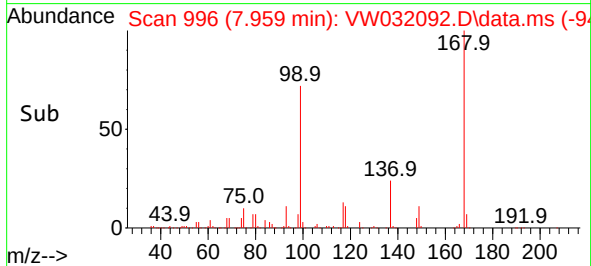
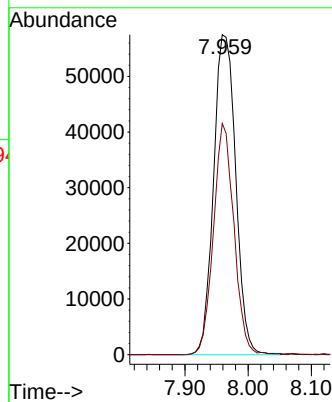
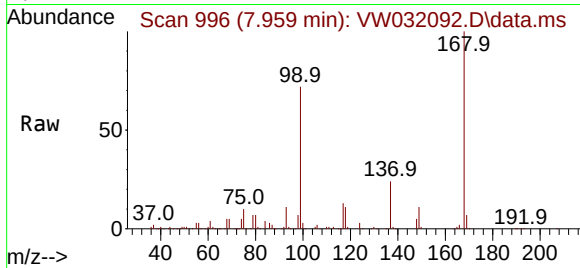




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 996
Delta R.T. 0.000 min
Lab File: VW032092.D
Acq: 14 Aug 2025 14:39

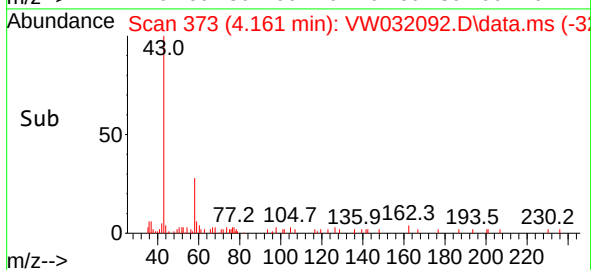
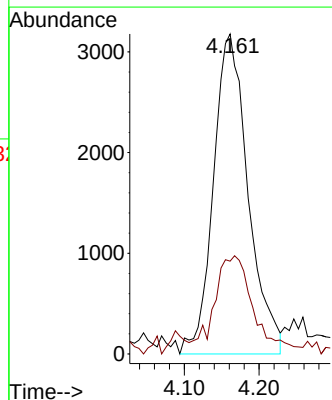
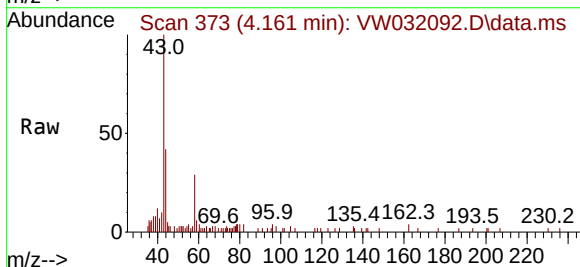
Instrument :
MSVOA_W
ClientSampleId :
705R-S

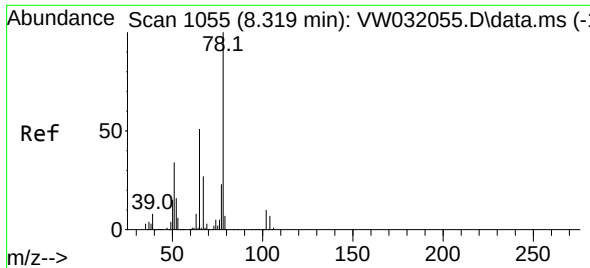
Tgt Ion:168 Resp: 139519
Ion Ratio Lower Upper
168 100
99 72.2 56.0 84.0



#16
Acetone
Concen: 21.994 ug/l
RT: 4.161 min Scan# 373
Delta R.T. -0.000 min
Lab File: VW032092.D
Acq: 14 Aug 2025 14:39

Tgt Ion: 43 Resp: 10275
Ion Ratio Lower Upper
43 100
58 24.7 26.6 39.8





#33

1,2-Dichloroethane-d4

Concen: 65.563 ug/l

RT: 8.319 min Scan# 1055

Delta R.T. -0.000 min

Lab File: VW032092.D

Acq: 14 Aug 2025 14:39

Instrument :

MSVOA_W

ClientSampleId :

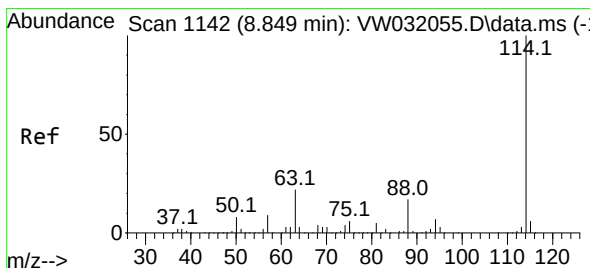
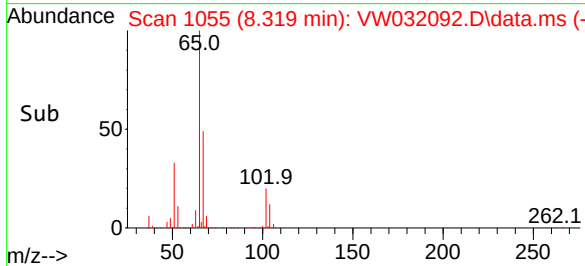
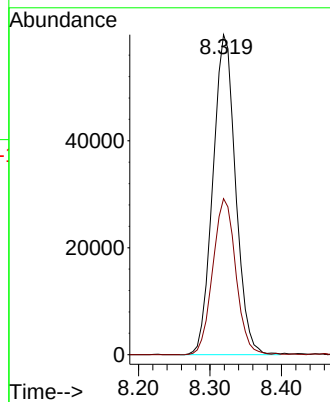
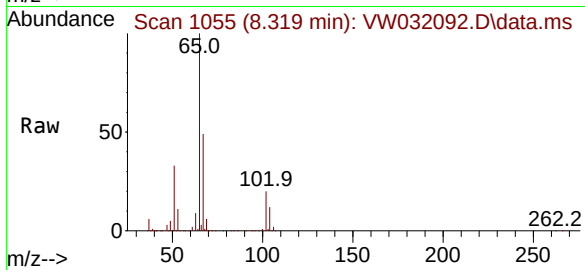
705R-S

Tgt Ion: 65 Resp: 132296

Ion Ratio Lower Upper

65 100

67 49.3 0.0 102.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.849 min Scan# 1142

Delta R.T. -0.000 min

Lab File: VW032092.D

Acq: 14 Aug 2025 14:39

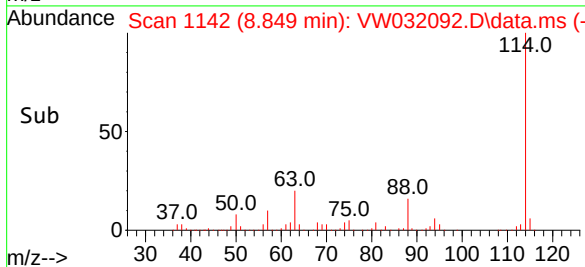
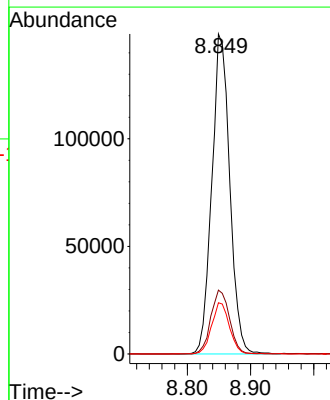
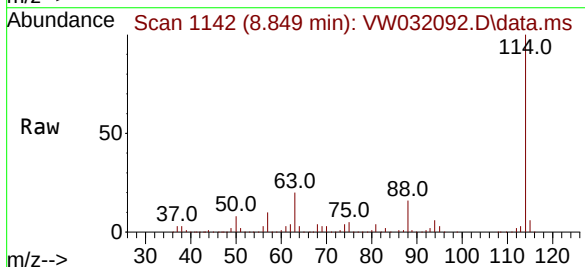
Tgt Ion: 114 Resp: 293162

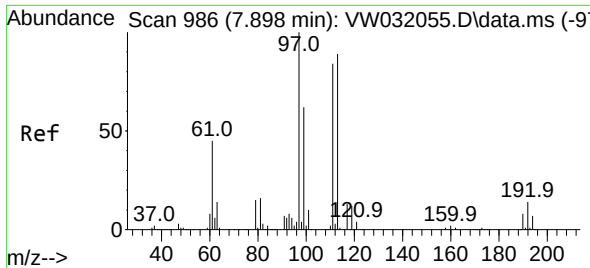
Ion Ratio Lower Upper

114 100

63 20.0 0.0 43.0

88 16.0 0.0 33.8





#35

Dibromofluoromethane

Concen: 55.334 ug/l

RT: 7.904 min Scan# 91

Delta R.T. 0.006 min

Lab File: VW032092.D

Acq: 14 Aug 2025 14:39

Instrument :

MSVOA_W

ClientSampleId :

705R-S

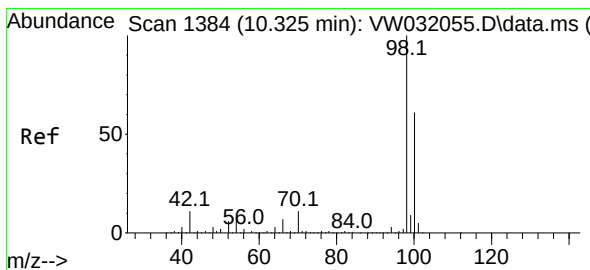
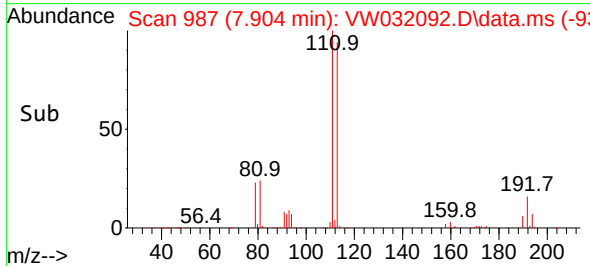
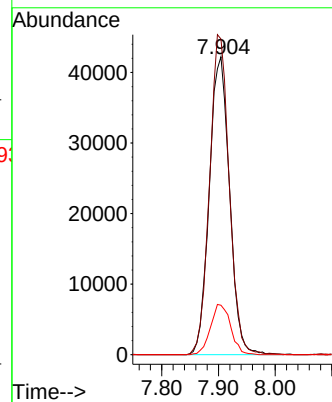
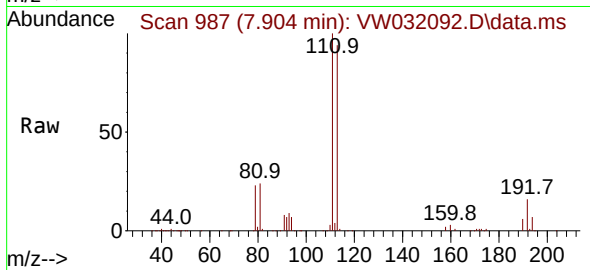
Tgt Ion:113 Resp: 104800

Ion Ratio Lower Upper

113 100

111 104.3 80.1 120.1

192 16.8 13.1 19.7



#50

Toluene-d8

Concen: 48.657 ug/l

RT: 10.331 min Scan# 1385

Delta R.T. 0.006 min

Lab File: VW032092.D

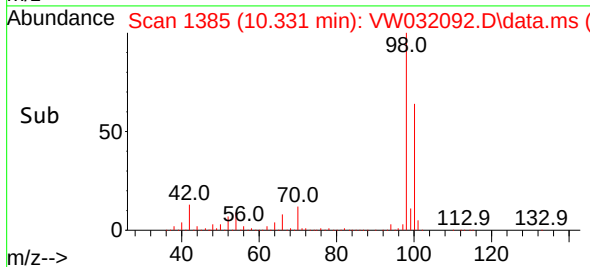
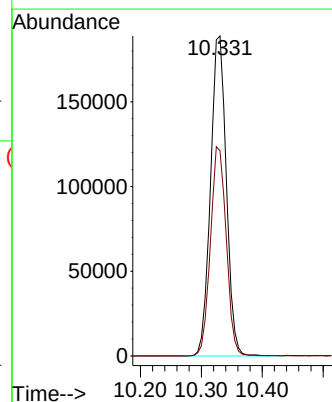
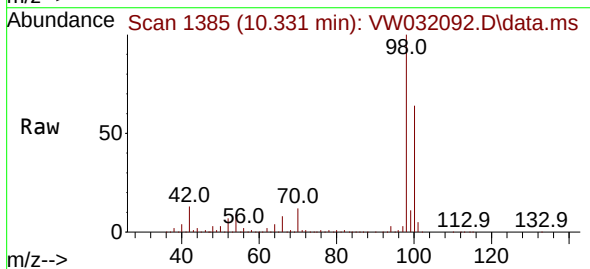
Acq: 14 Aug 2025 14:39

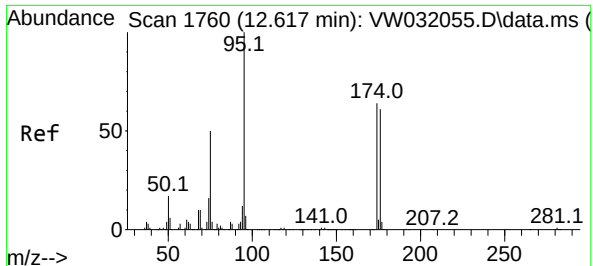
Tgt Ion: 98 Resp: 340851

Ion Ratio Lower Upper

98 100

100 65.5 51.1 76.7

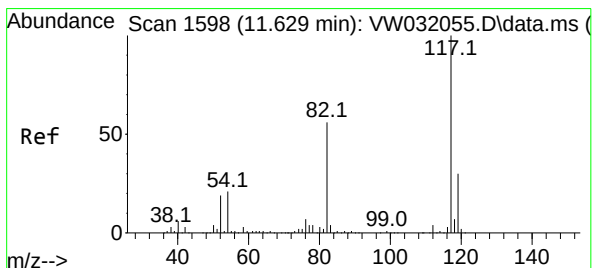
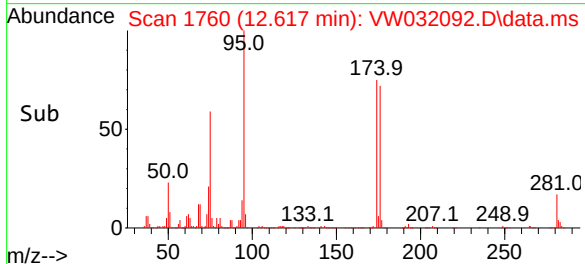
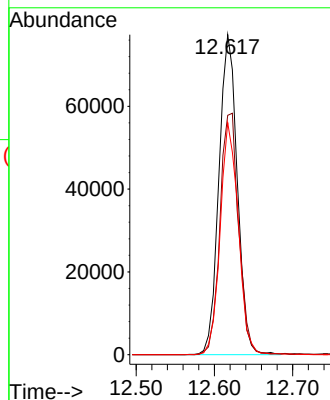
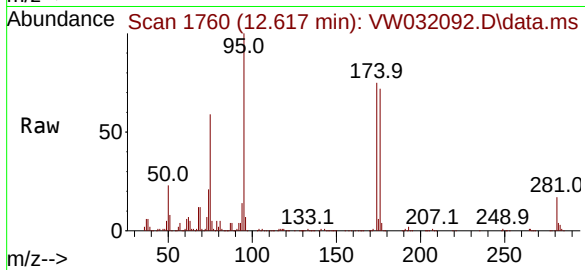




#62
4-Bromofluorobenzene
Concen: 48.840 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032092.D
Acq: 14 Aug 2025 14:39

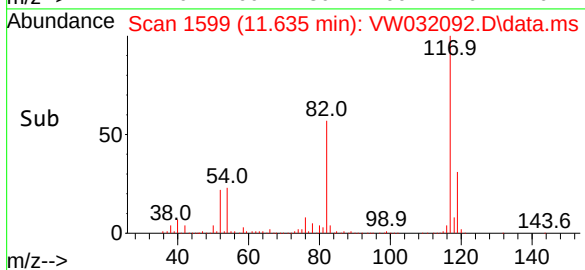
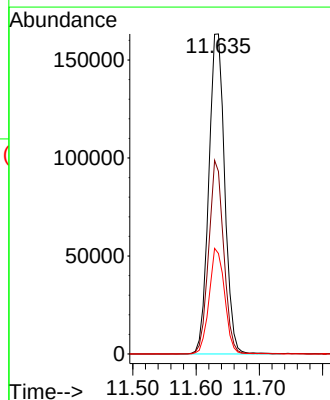
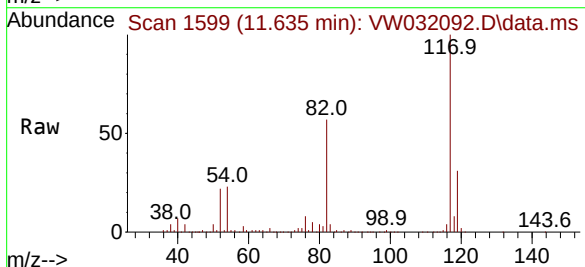
Instrument :
MSVOA_W
ClientSampleId :
705R-S

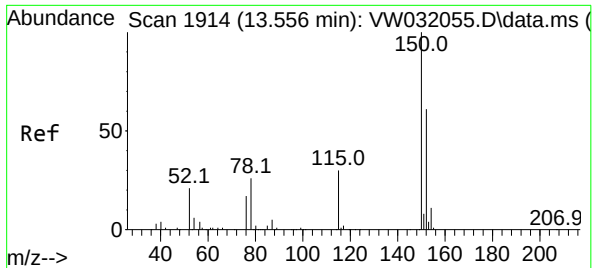
Tgt Ion: 95 Resp: 126079
Ion Ratio Lower Upper
95 100
174 77.2 0.0 129.0
176 71.5 0.0 124.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 1599
Delta R.T. 0.006 min
Lab File: VW032092.D
Acq: 14 Aug 2025 14:39

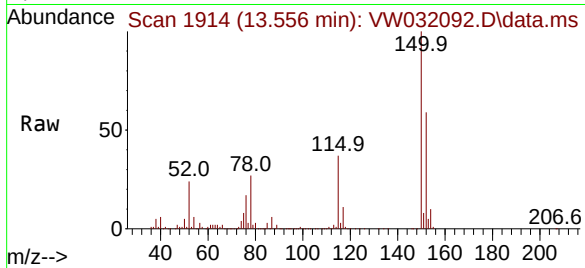
Tgt Ion: 117 Resp: 286216
Ion Ratio Lower Upper
117 100
82 57.0 45.0 67.4
119 31.4 24.2 36.4



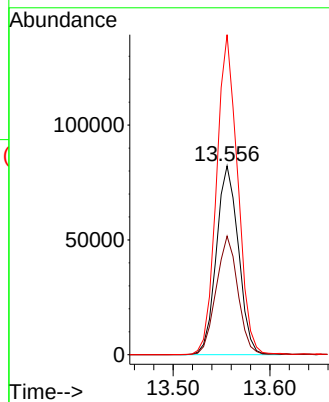
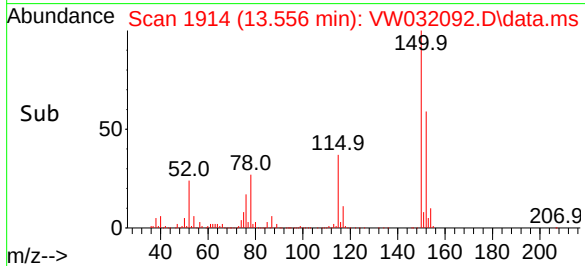


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. -0.000 min
Lab File: VW032092.D
Acq: 14 Aug 2025 14:39

Instrument :
MSVOA_W
ClientSampleId :
705R-S



Tgt Ion	Ratio	Lower	Upper
152	100		
115	62.2	32.6	97.8
150	163.1	0.0	359.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
Data File : VW032092.D
Acq On : 14 Aug 2025 14:39
Operator : SY/MD
Sample : Q2820-09
Misc : 6.40g/5mL/MSVOA_W/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
705R-S

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Title : SW846 8260

Signal : TIC: VW032092.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.997	15	18	32	rVB5	10249	29945	3.16%	0.542%
2	4.417	408	415	430	rBV3	3948	14028	1.48%	0.254%
3	4.960	497	504	513	rBV8	4778	17463	1.84%	0.316%
4	7.898	970	986	991	rBV	146738	361617	38.11%	6.547%
5	7.959	991	996	1010	rVB	202121	472733	49.82%	8.559%
6	8.319	1043	1055	1065	rBV	160938	363813	38.34%	6.587%
7	8.849	1131	1142	1154	rBV	355558	721951	76.09%	13.071%
8	10.325	1376	1384	1393	rBV	518359	948858	100.00%	17.179%
9	11.629	1590	1598	1610	rBV	540279	933153	98.34%	16.895%
10	12.617	1749	1760	1770	rBV2	437117	781526	82.36%	14.149%
11	13.507	1896	1906	1907	rBV9	6315	12006	1.27%	0.217%
12	13.556	1907	1914	1921	rVB	548951	849387	89.52%	15.378%
13	14.062	1992	1997	2001	rBV	9520	16925	1.78%	0.306%

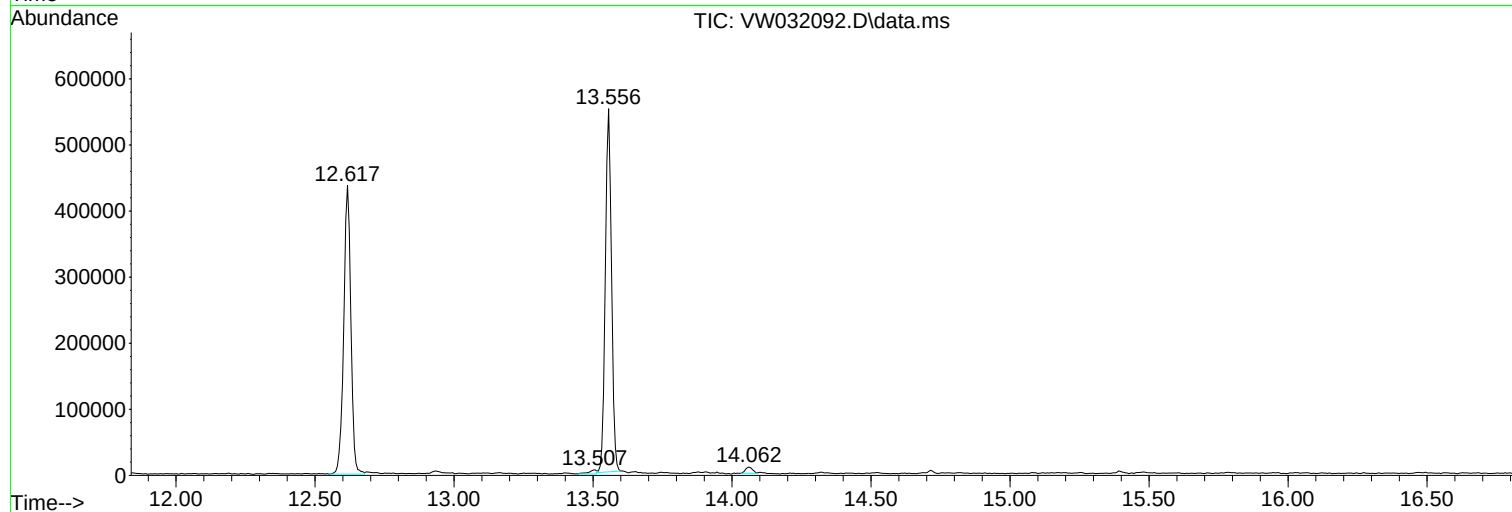
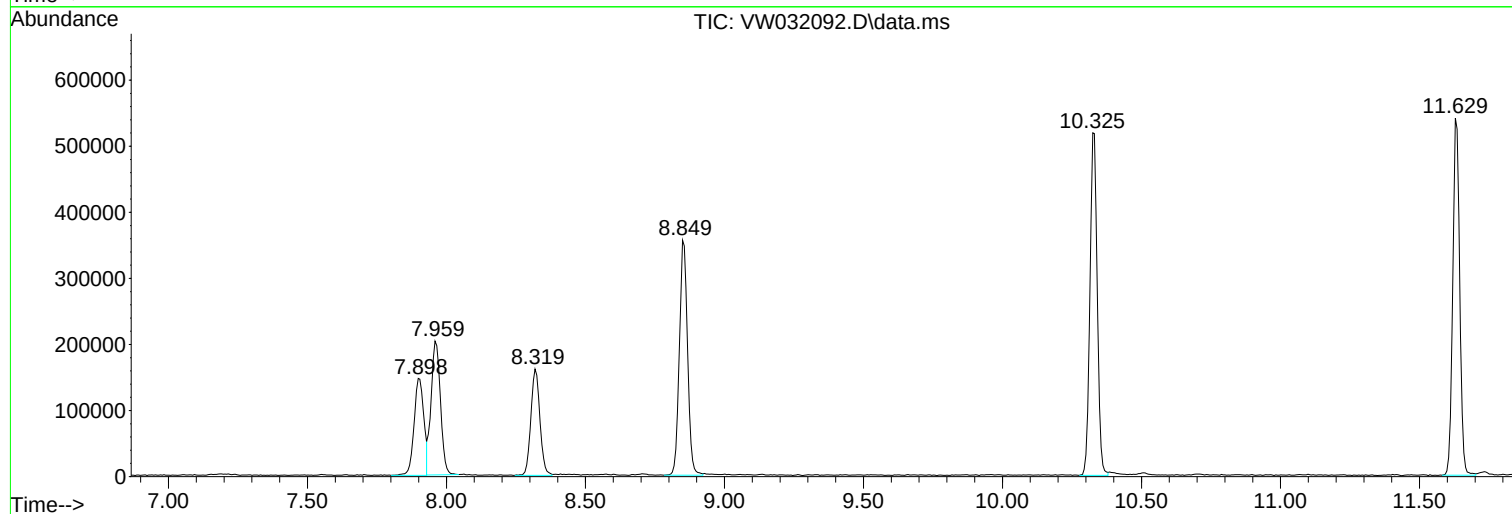
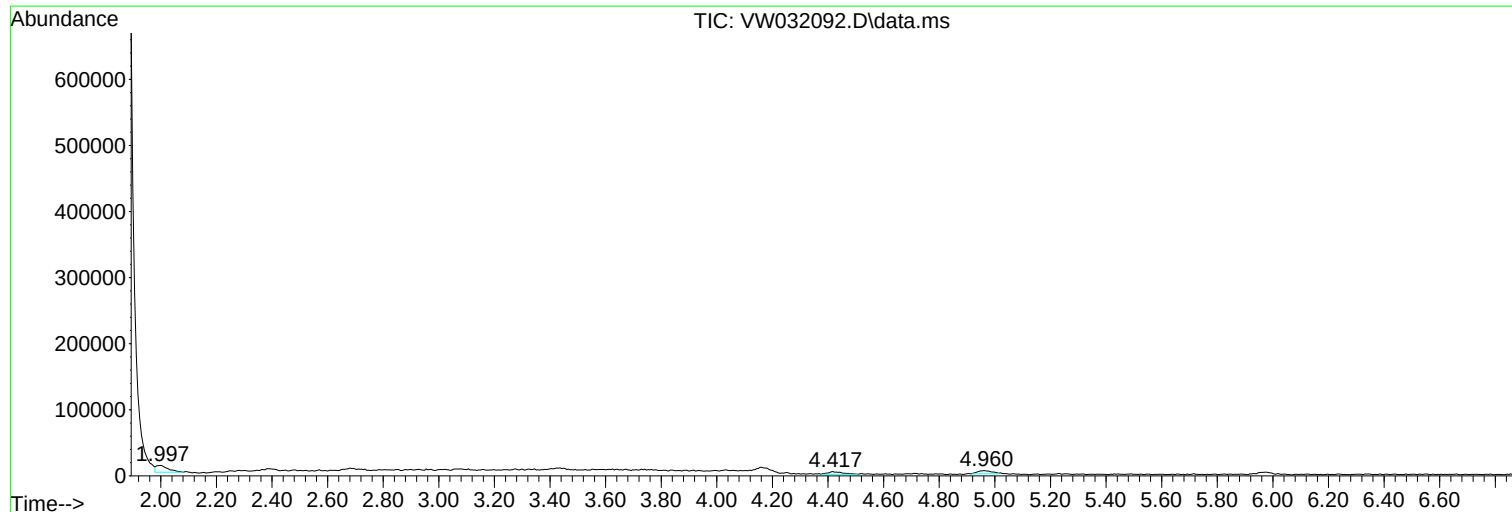
Sum of corrected areas: 5523405

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
Data File : VW032092.D
Acq On : 14 Aug 2025 14:39
Operator : SY/MD
Sample : Q2820-09
Misc : 6.40g/5mL/MSVOA_W/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
705R-S

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
Data File : VW032092.D
Acq On : 14 Aug 2025 14:39
Operator : SY/MD
Sample : Q2820-09
Misc : 6.40g/5mL/MSVOA_W/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
705R-S

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
Data File : VW032092.D
Acq On : 14 Aug 2025 14:39
Operator : SY/MD
Sample : Q2820-09
Misc : 6.40g/5mL/MSVOA_W/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
705R-S

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260

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

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

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	SOIL-DUP-2	SDG No.:	Q2820
Lab Sample ID:	Q2820-10	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	48.4
Sample Wt/Vol:	5.39 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032093.D	1	08/14/25 15:01	VW081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	7.70	U	2.20	7.70	9.60	ug/Kg
74-87-3	Chloromethane	4.80	U	2.20	4.80	9.60	ug/Kg
75-01-4	Vinyl Chloride	4.80	U	1.50	4.80	9.60	ug/Kg
74-83-9	Bromomethane	7.70	U	2.10	7.70	9.60	ug/Kg
75-00-3	Chloroethane	4.80	U	2.40	4.80	9.60	ug/Kg
75-69-4	Trichlorofluoromethane	7.70	U	2.30	7.70	9.60	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	4.80	U	2.00	4.80	9.60	ug/Kg
75-35-4	1,1-Dichloroethene	4.80	U	1.90	4.80	9.60	ug/Kg
67-64-1	Acetone	91.9		9.10	38.3	47.9	ug/Kg
75-15-0	Carbon Disulfide	6.60	J	2.00	7.70	9.60	ug/Kg
1634-04-4	Methyl tert-butyl Ether	4.80	U	1.40	4.80	9.60	ug/Kg
79-20-9	Methyl Acetate	7.70	U	3.00	7.70	9.60	ug/Kg
75-09-2	Methylene Chloride	15.3	U	6.80	15.3	19.2	ug/Kg
156-60-5	trans-1,2-Dichloroethene	4.80	U	1.60	4.80	9.60	ug/Kg
75-34-3	1,1-Dichloroethane	4.80	U	1.50	4.80	9.60	ug/Kg
110-82-7	Cyclohexane	4.80	U	1.50	4.80	9.60	ug/Kg
78-93-3	2-Butanone	38.3	U	12.5	38.3	47.9	ug/Kg
56-23-5	Carbon Tetrachloride	4.80	U	1.90	4.80	9.60	ug/Kg
156-59-2	cis-1,2-Dichloroethene	4.80	U	1.40	4.80	9.60	ug/Kg
74-97-5	Bromochloromethane	7.70	U	2.20	7.70	9.60	ug/Kg
67-66-3	Chloroform	7.70	U	1.60	7.70	9.60	ug/Kg
71-55-6	1,1,1-Trichloroethane	4.80	U	1.80	4.80	9.60	ug/Kg
108-87-2	Methylcyclohexane	4.80	U	1.70	4.80	9.60	ug/Kg
71-43-2	Benzene	4.80	U	1.50	4.80	9.60	ug/Kg
107-06-2	1,2-Dichloroethane	4.80	U	1.50	4.80	9.60	ug/Kg
79-01-6	Trichloroethene	4.80	U	1.60	4.80	9.60	ug/Kg
78-87-5	1,2-Dichloropropane	4.80	U	1.70	4.80	9.60	ug/Kg
75-27-4	Bromodichloromethane	4.80	U	1.50	4.80	9.60	ug/Kg
108-10-1	4-Methyl-2-Pentanone	24.0	U	6.90	24.0	47.9	ug/Kg
108-88-3	Toluene	4.80	U	1.50	4.80	9.60	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	SOIL-DUP-2	SDG No.:	Q2820
Lab Sample ID:	Q2820-10	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	48.4
Sample Wt/Vol:	5.39 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032093.D	1	08/14/25 15:01	VW081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	4.80	U	1.20	4.80	9.60	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	4.80	U	1.20	4.80	9.60	ug/Kg
79-00-5	1,1,2-Trichloroethane	4.80	U	1.80	4.80	9.60	ug/Kg
591-78-6	2-Hexanone	24.0	U	7.10	24.0	47.9	ug/Kg
124-48-1	Dibromochloromethane	4.80	U	1.70	4.80	9.60	ug/Kg
106-93-4	1,2-Dibromoethane	4.80	U	1.70	4.80	9.60	ug/Kg
127-18-4	Tetrachloroethene	4.80	U	2.00	4.80	9.60	ug/Kg
108-90-7	Chlorobenzene	4.80	U	1.70	4.80	9.60	ug/Kg
100-41-4	Ethyl Benzene	4.80	U	1.30	4.80	9.60	ug/Kg
179601-23-1	m/p-Xylenes	9.60	U	2.40	9.60	19.2	ug/Kg
95-47-6	o-Xylene	4.80	U	1.60	4.80	9.60	ug/Kg
100-42-5	Styrene	4.80	U	1.40	4.80	9.60	ug/Kg
75-25-2	Bromoform	4.80	U	1.60	4.80	9.60	ug/Kg
98-82-8	Isopropylbenzene	4.80	U	1.50	4.80	9.60	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	4.80	U	2.30	4.80	9.60	ug/Kg
541-73-1	1,3-Dichlorobenzene	4.80	U	3.30	4.80	9.60	ug/Kg
106-46-7	1,4-Dichlorobenzene	4.80	U	3.00	4.80	9.60	ug/Kg
95-50-1	1,2-Dichlorobenzene	4.80	U	2.80	4.80	9.60	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	7.70	U	3.50	7.70	9.60	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	7.70	U	5.70	7.70	9.60	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	7.70	U	6.10	7.70	9.60	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	59.4		71 - 136		119%	SPK: 50
1868-53-7	Dibromofluoromethane	56.6		78 - 119		113%	SPK: 50
2037-26-5	Toluene-d8	50.1		85 - 116		100%	SPK: 50
460-00-4	4-Bromofluorobenzene	43.7		79 - 119		87%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	132000	7.965				
540-36-3	1,4-Difluorobenzene	266000	8.849				
3114-55-4	Chlorobenzene-d5	258000	11.636				
3855-82-1	1,4-Dichlorobenzene-d4	103000	13.556				

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	SOIL-DUP-2	SDG No.:	Q2820
Lab Sample ID:	Q2820-10	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	48.4
Sample Wt/Vol:	5.39 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032093.D	1	08/14/25 15:01	VW081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
------------	-----------	-------	-----------	-----	-----	------------	-------

U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 E = Value Exceeds Calibration Range
 Q = indicates LCS control criteria did not meet requirements
 M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 N = Presumptive Evidence of a Compound
 * = Values outside of QC limits
 D = Dilution
 () = Laboratory InHouse Limit
 A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
Data File : VW032093.D
Acq On : 14 Aug 2025 15:01
Operator : SY/MD
Sample : Q2820-10
Misc : 5.39g/5mL/MSVOA_W/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SOIL-DUP-2

Quant Time: Aug 18 03:53:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 12 04:04:48 2025
Response via : Initial Calibration

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

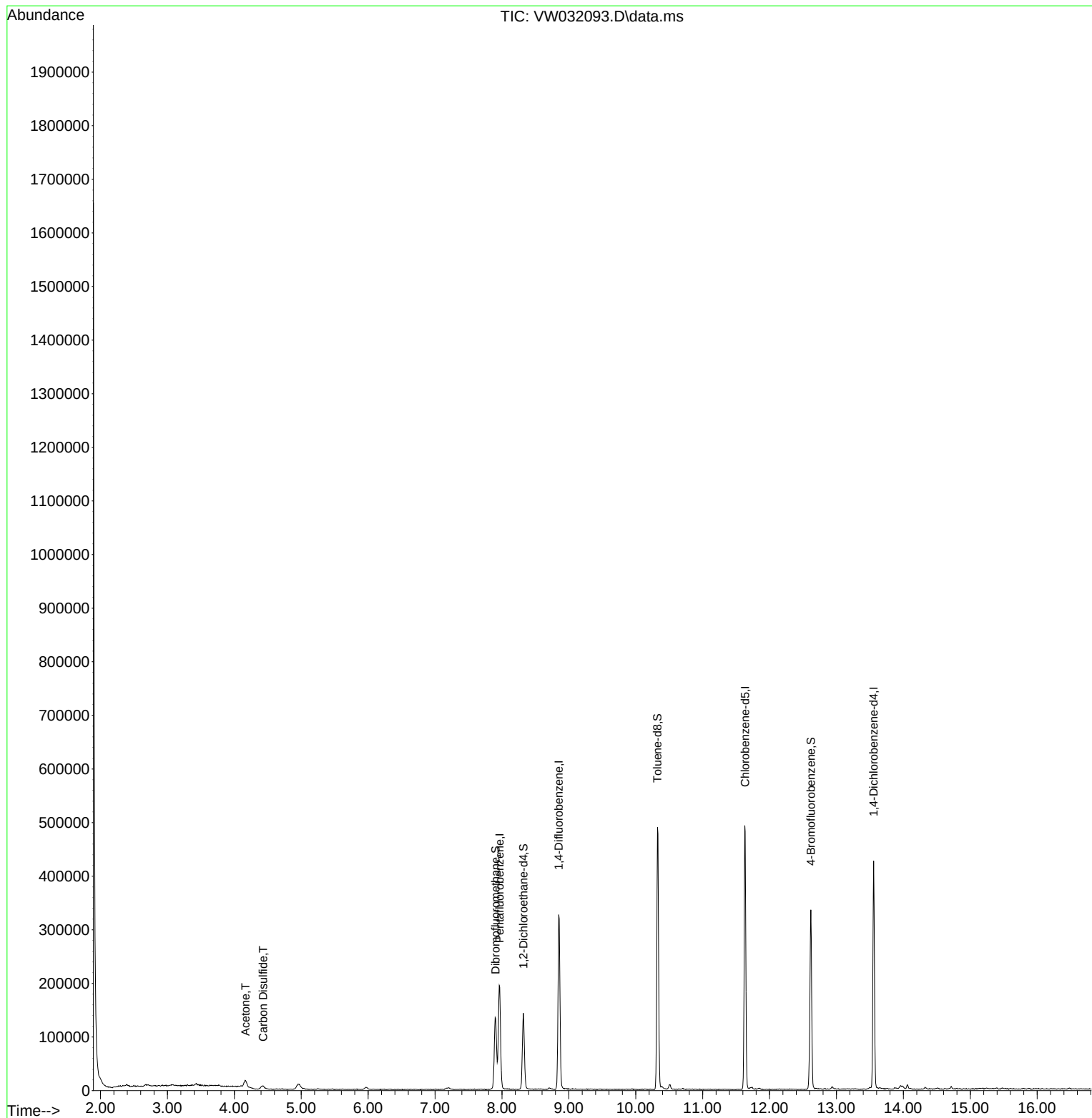
Internal Standards						
1) Pentafluorobenzene	7.965	168	131941	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	266004	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.636	117	258211	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	103366	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	113358	59.405	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	= 118.800%		
35) Dibromofluoromethane	7.904	113	97310	56.625	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	= 113.260%		
50) Toluene-d8	10.325	98	318544	50.116	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	= 100.240%		
62) 4-Bromofluorobenzene	12.617	95	102332	43.688	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	= 87.380%		
Target Compounds						Qvalue
16) Acetone	4.167	43	21181	47.942	ug/l	97
17) Carbon Disulfide	4.430	76	14886	3.466	ug/l	98

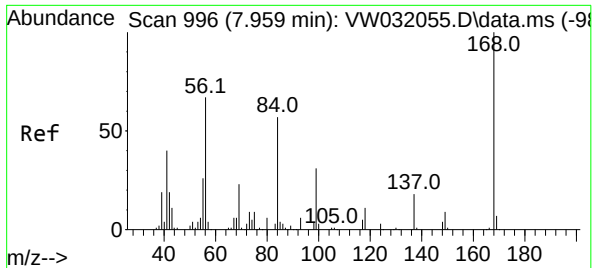
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
Data File : VW032093.D
Acq On : 14 Aug 2025 15:01
Operator : SY/MD
Sample : Q2820-10
Misc : 5.39g/5mL/MSVOA_W/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SOIL-DUP-2

Quant Time: Aug 18 03:53:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 12 04:04:48 2025
Response via : Initial Calibration

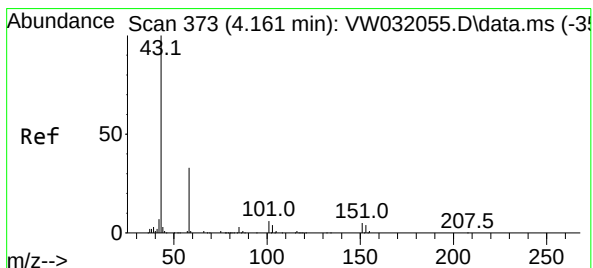
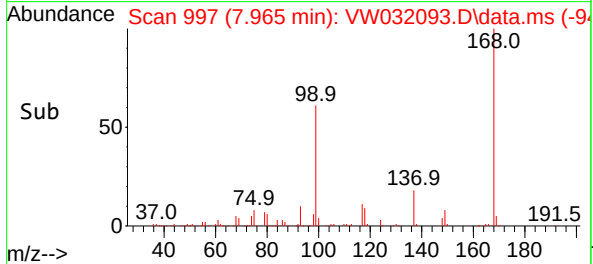
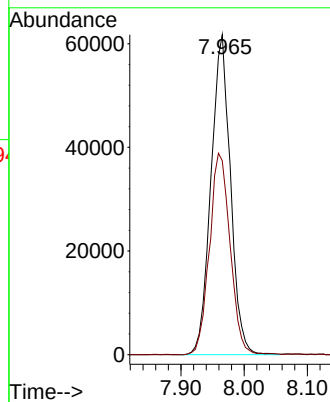
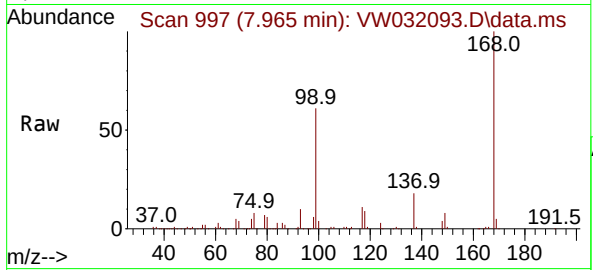




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 996
Delta R.T. 0.006 min
Lab File: VW032093.D
Acq: 14 Aug 2025 15:01

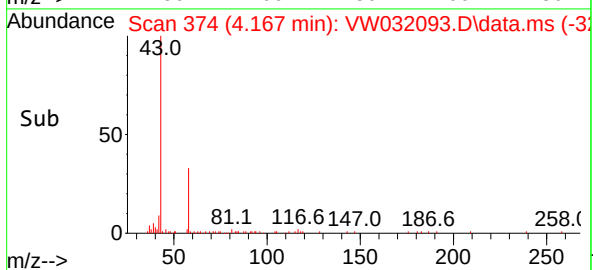
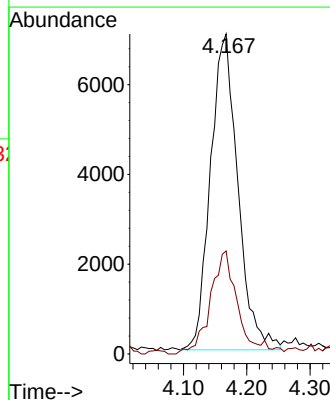
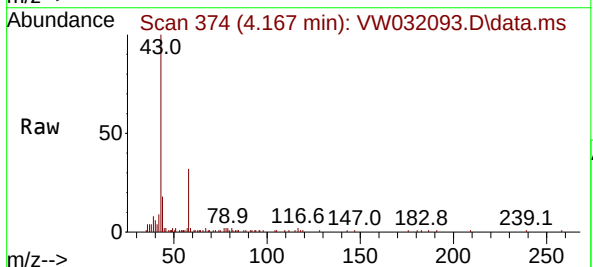
Instrument :
MSVOA_W
ClientSampleId :
SOIL-DUP-2

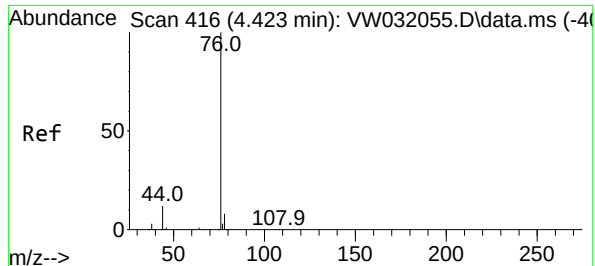
Tgt Ion:168 Resp: 131941
Ion Ratio Lower Upper
168 100
99 60.6 56.0 84.0



#16
Acetone
Concen: 47.942 ug/l
RT: 4.167 min Scan# 374
Delta R.T. 0.006 min
Lab File: VW032093.D
Acq: 14 Aug 2025 15:01

Tgt Ion: 43 Resp: 21181
Ion Ratio Lower Upper
43 100
58 31.8 26.6 39.8

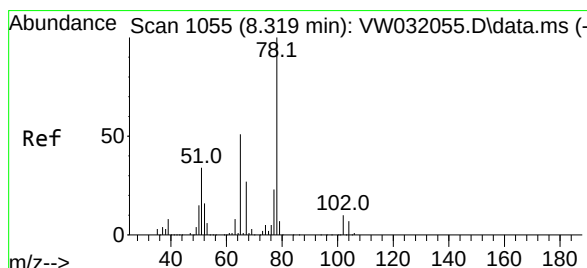
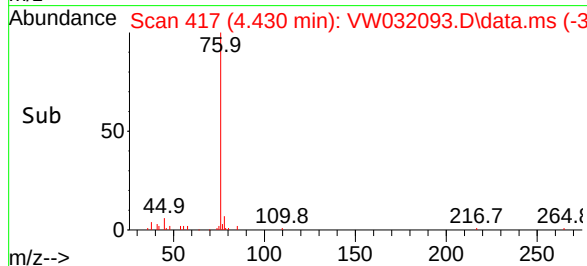
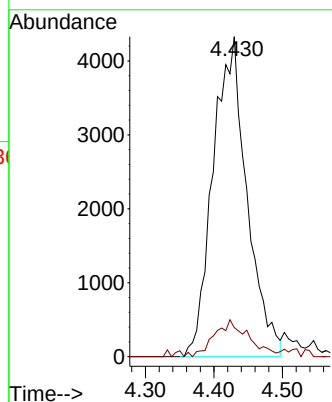
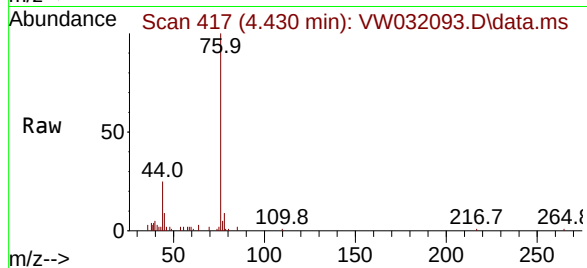




#17
Carbon Disulfide
Concen: 3.466 ug/l
RT: 4.430 min Scan# 416
Delta R.T. 0.006 min
Lab File: VW032093.D
Acq: 14 Aug 2025 15:01

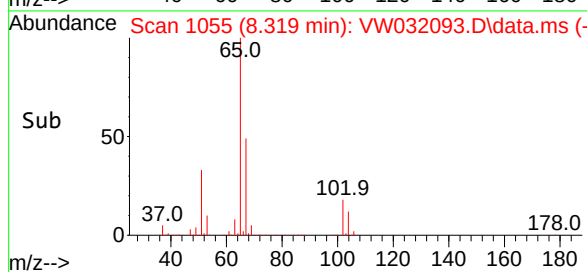
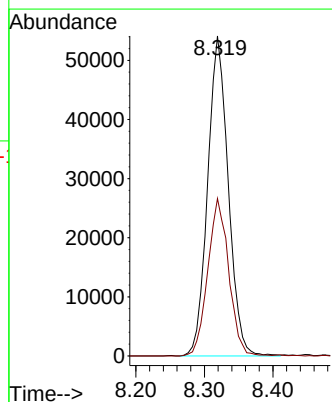
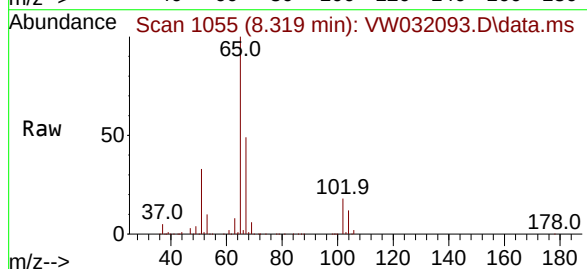
Instrument :
MSVOA_W
ClientSampleId :
SOIL-DUP-2

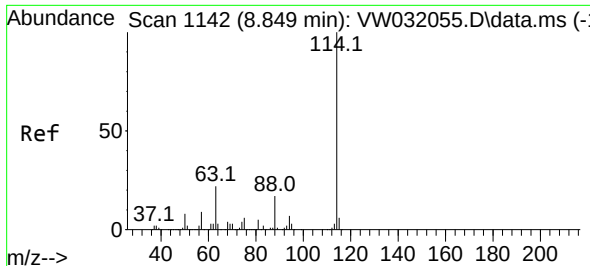
Tgt Ion: 76 Resp: 14886
Ion Ratio Lower Upper
76 100
78 8.8 6.4 9.6



#33
1,2-Dichloroethane-d4
Concen: 59.405 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW032093.D
Acq: 14 Aug 2025 15:01

Tgt Ion: 65 Resp: 113358
Ion Ratio Lower Upper
65 100
67 49.9 0.0 102.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.849 min Scan# 1142

Delta R.T. 0.000 min

Lab File: VW032093.D

Acq: 14 Aug 2025 15:01

Instrument :

MSVOA_W

ClientSampleId :

SOIL-DUP-2

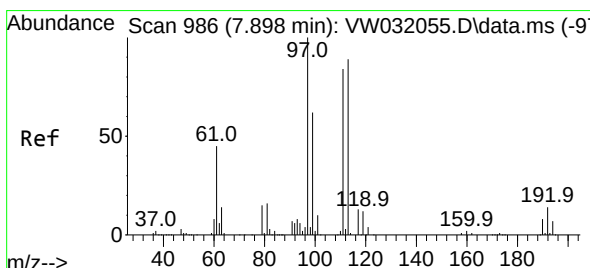
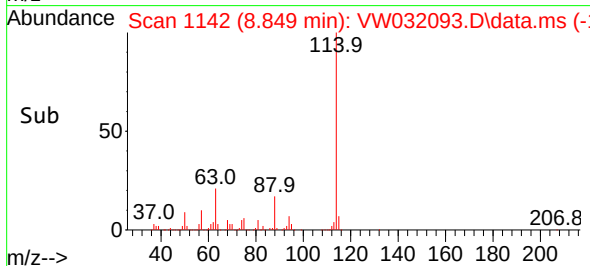
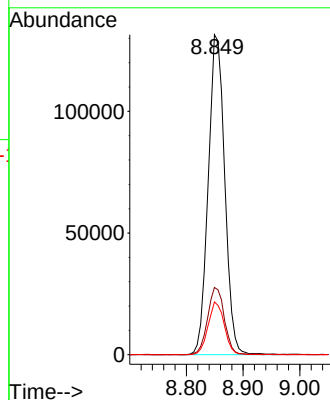
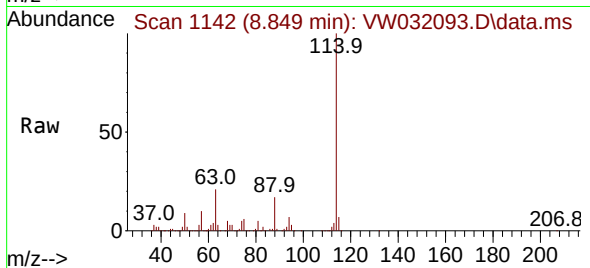
Tgt Ion:114 Resp: 266004

Ion Ratio Lower Upper

114 100

63 21.0 0.0 43.0

88 16.5 0.0 33.8



#35

Dibromofluoromethane

Concen: 56.625 ug/l

RT: 7.904 min Scan# 987

Delta R.T. 0.006 min

Lab File: VW032093.D

Acq: 14 Aug 2025 15:01

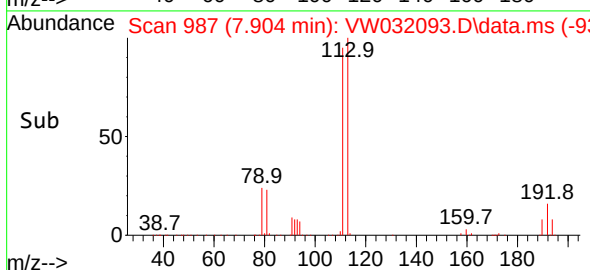
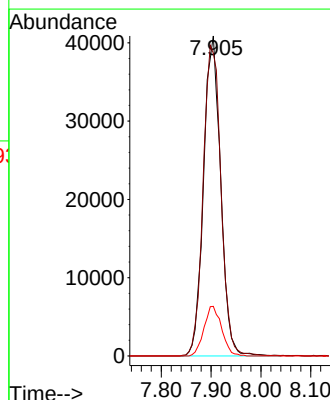
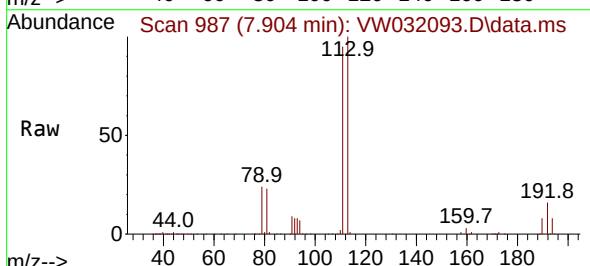
Tgt Ion:113 Resp: 97310

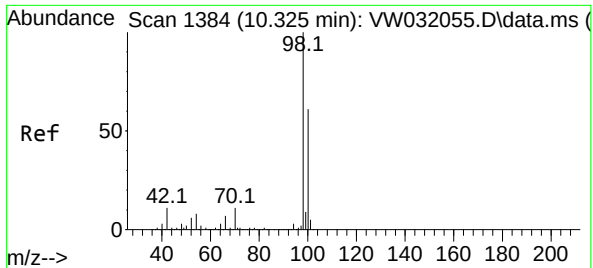
Ion Ratio Lower Upper

113 100

111 101.5 80.1 120.1

192 16.1 13.1 19.7

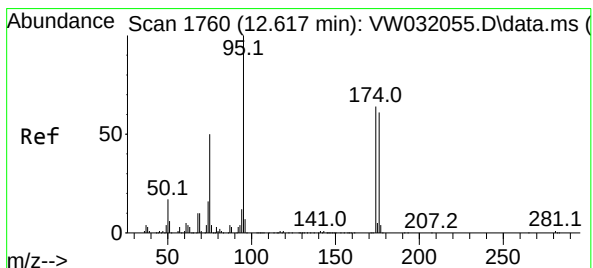
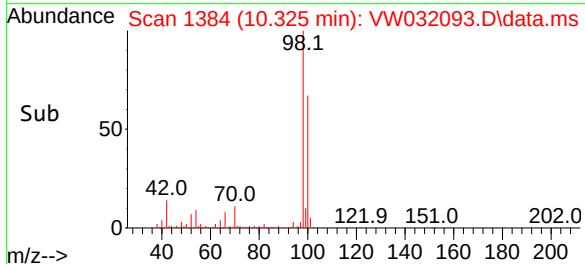
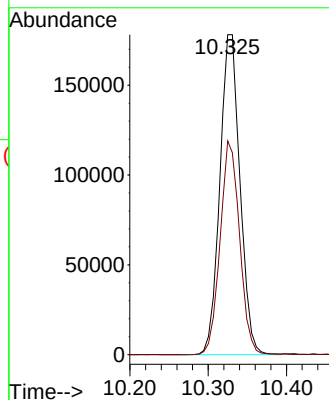
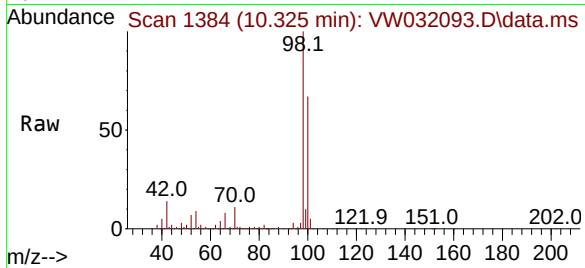




#50
Toluene-d8
Concen: 50.116 ug/l
RT: 10.325 min Scan# 1384
Delta R.T. 0.000 min
Lab File: VW032093.D
Acq: 14 Aug 2025 15:01

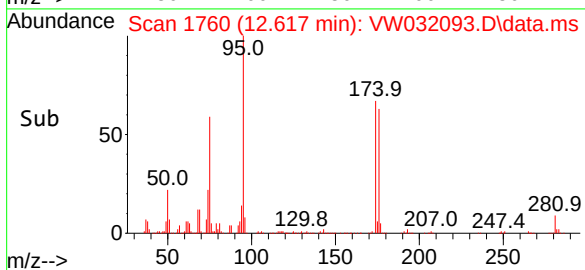
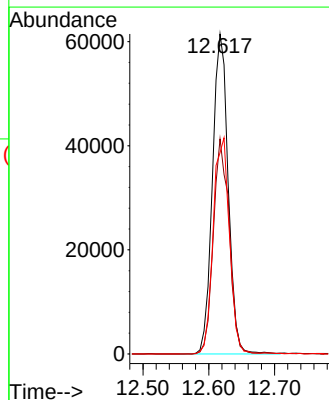
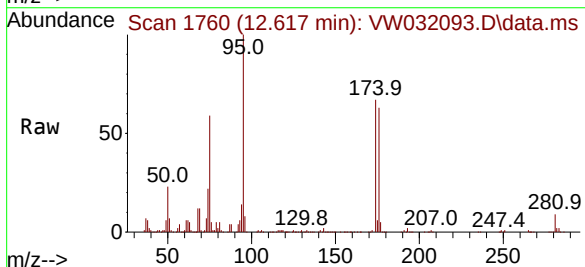
Instrument :
MSVOA_W
ClientSampleId :
SOIL-DUP-2

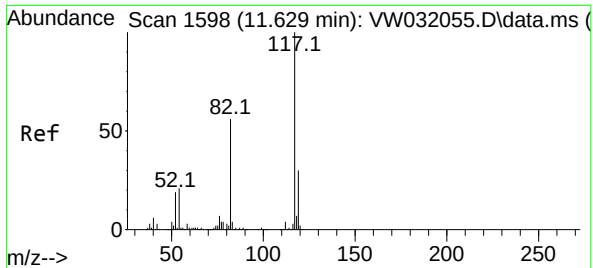
Tgt Ion: 98 Resp: 318544
Ion Ratio Lower Upper
98 100
100 64.5 51.1 76.7



#62
4-Bromofluorobenzene
Concen: 43.688 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032093.D
Acq: 14 Aug 2025 15:01

Tgt Ion: 95 Resp: 102332
Ion Ratio Lower Upper
95 100
174 67.6 0.0 129.0
176 69.9 0.0 124.6

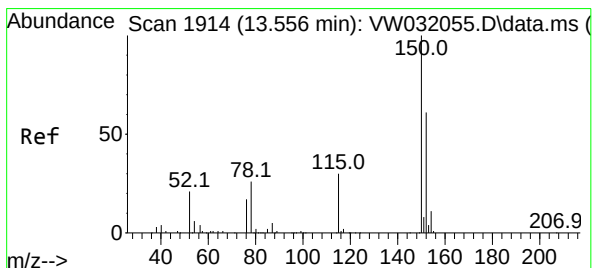
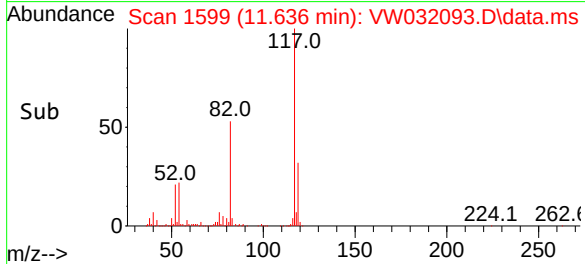
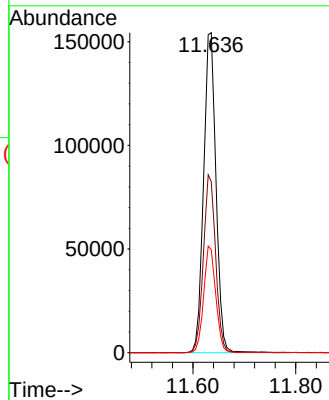
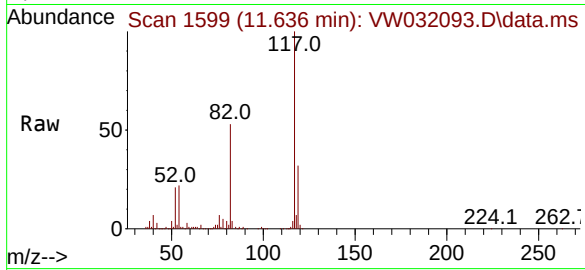




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.636 min Scan# 11599
Delta R.T. 0.006 min
Lab File: VW032093.D
Acq: 14 Aug 2025 15:01

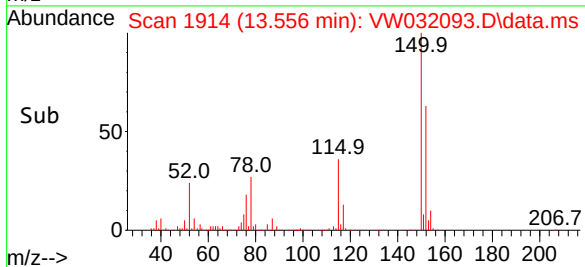
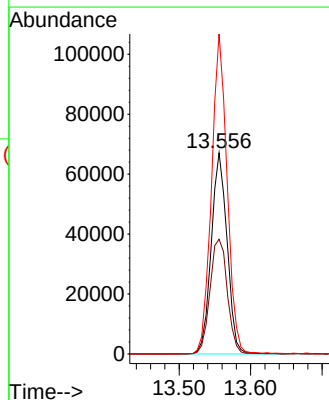
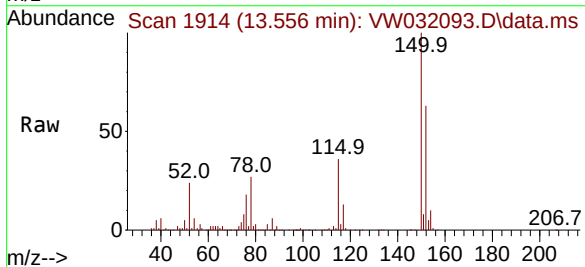
Instrument :
MSVOA_W
ClientSampleId :
SOIL-DUP-2

Tgt Ion:	117	Resp:	258211
Ion	Ratio	Lower	Upper
117	100		
82	53.5	45.0	67.4
119	32.2	24.2	36.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW032093.D
Acq: 14 Aug 2025 15:01

Tgt Ion:	152	Resp:	103366
Ion	Ratio	Lower	Upper
152	100		
115	62.6	32.6	97.8
150	156.3	0.0	359.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
Data File : VW032093.D
Acq On : 14 Aug 2025 15:01
Operator : SY/MD
Sample : Q2820-10
Misc : 5.39g/5mL/MSVOA_W/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SOIL-DUP-2

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Title : SW846 8260

Signal : TIC: VW032093.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.161	366	373	382	rVB	13066	38715	4.41%	0.796%
2	4.430	404	417	433	rVB2	6359	26080	2.97%	0.536%
3	4.960	493	504	514	rBV2	9098	36581	4.17%	0.752%
4	7.898	971	986	991	rBV	134867	334886	38.19%	6.888%
5	7.959	991	996	1009	rVB	193256	447636	51.05%	9.207%
6	8.319	1044	1055	1067	rBV	142235	309174	35.26%	6.359%
7	8.849	1133	1142	1154	rBV	326229	670744	76.49%	13.795%
8	10.325	1375	1384	1392	rBV	489777	876932	100.00%	18.036%
9	10.502	1406	1413	1421	rVB5	8260	17918	2.04%	0.369%
10	11.629	1591	1598	1608	rBV	492396	832065	94.88%	17.113%
11	12.617	1749	1760	1770	rBV3	334906	610770	69.65%	12.562%
12	13.556	1907	1914	1922	rVB	423143	660663	75.34%	13.588%

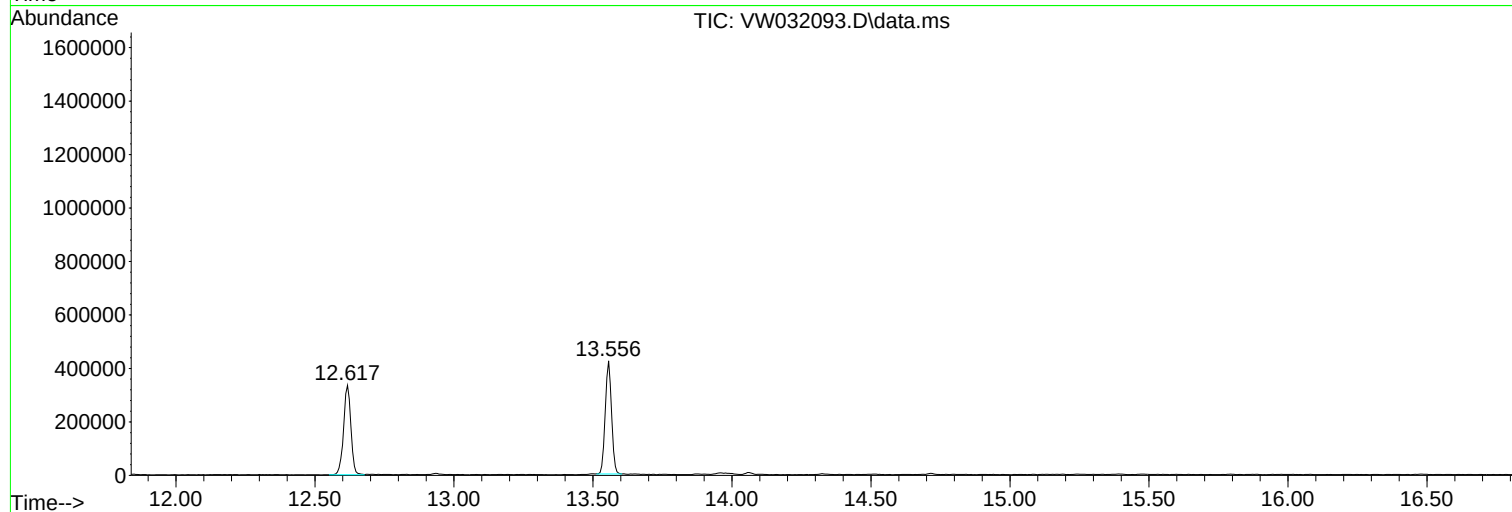
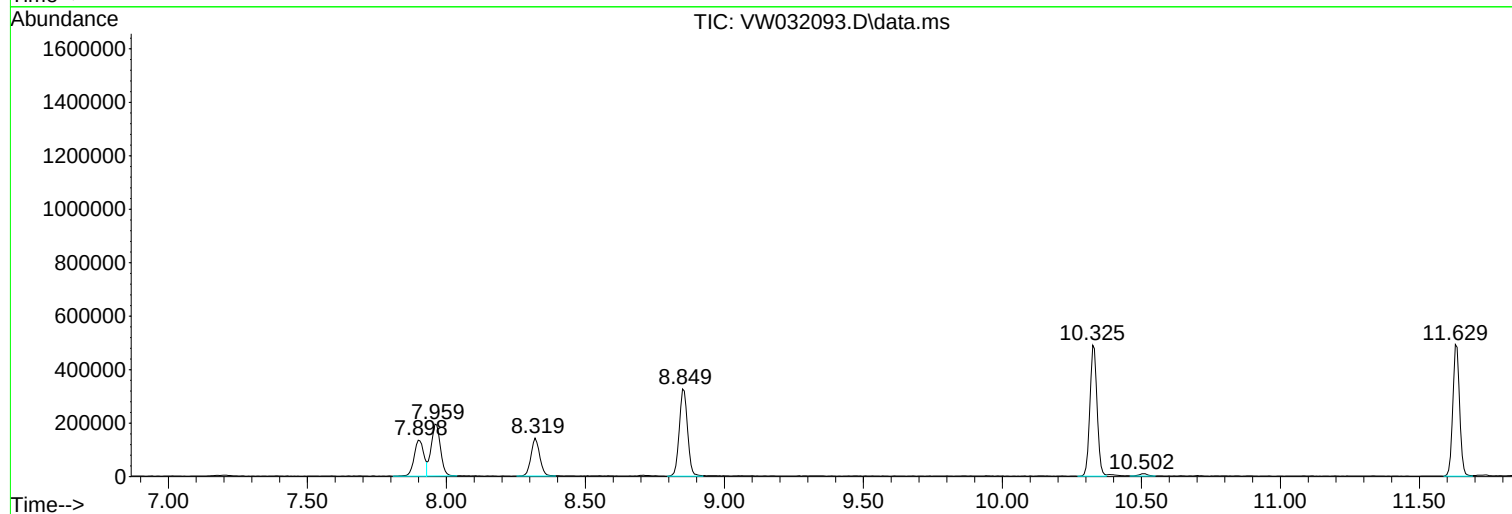
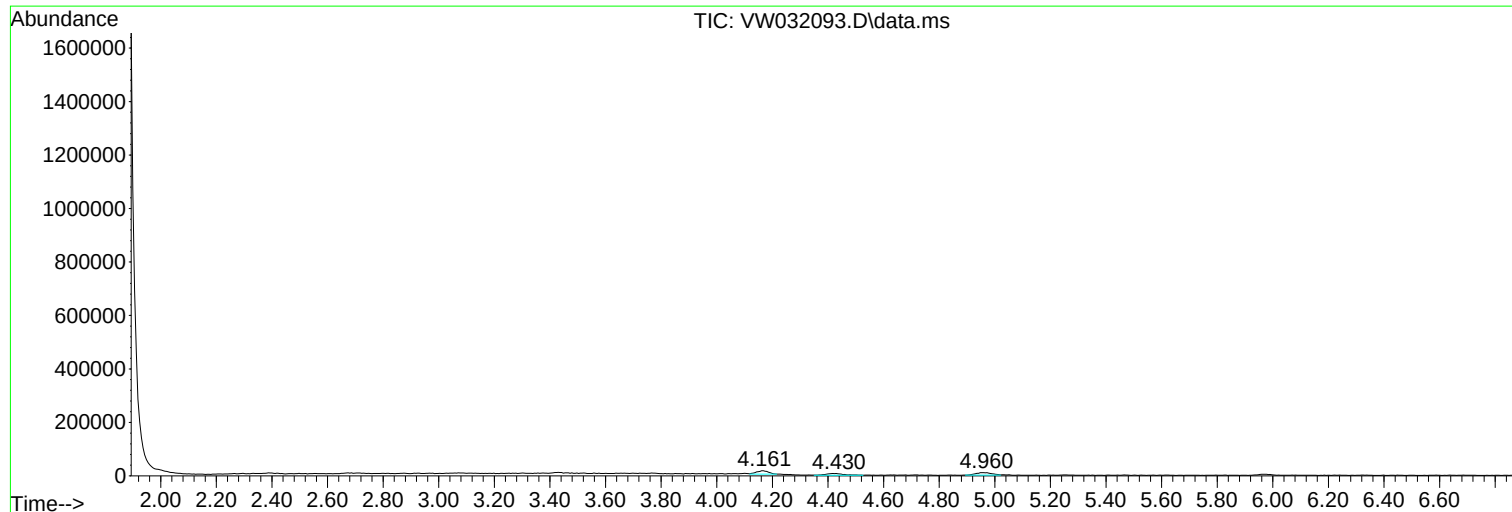
Sum of corrected areas: 4862164

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
Data File : VW032093.D
Acq On : 14 Aug 2025 15:01
Operator : SY/MD
Sample : Q2820-10
Misc : 5.39g/5mL/MSVOA_W/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SOIL-DUP-2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
Data File : VW032093.D
Acq On : 14 Aug 2025 15:01
Operator : SY/MD
Sample : Q2820-10
Misc : 5.39g/5mL/MSVOA_W/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SOIL-DUP-2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
Data File : VW032093.D
Acq On : 14 Aug 2025 15:01
Operator : SY/MD
Sample : Q2820-10
Misc : 5.39g/5mL/MSVOA_W/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SOIL-DUP-2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260

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

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

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	10PC-W	SDG No.:	Q2820
Lab Sample ID:	Q2820-11	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	92.4
Sample Wt/Vol:	6.37 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032094.D	1	08/14/25 15:24	VW081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	3.40	U	0.97	3.40	4.20	ug/Kg
74-87-3	Chloromethane	2.10	U	0.97	2.10	4.20	ug/Kg
75-01-4	Vinyl Chloride	2.10	U	0.67	2.10	4.20	ug/Kg
74-83-9	Bromomethane	3.40	U	0.91	3.40	4.20	ug/Kg
75-00-3	Chloroethane	2.10	U	1.10	2.10	4.20	ug/Kg
75-69-4	Trichlorofluoromethane	3.40	U	1.00	3.40	4.20	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	2.10	U	0.90	2.10	4.20	ug/Kg
75-35-4	1,1-Dichloroethene	2.10	U	0.85	2.10	4.20	ug/Kg
67-64-1	Acetone	17.0	U	4.00	17.0	21.2	ug/Kg
75-15-0	Carbon Disulfide	3.40	U	0.90	3.40	4.20	ug/Kg
1634-04-4	Methyl tert-butyl Ether	2.10	U	0.62	2.10	4.20	ug/Kg
79-20-9	Methyl Acetate	3.40	U	1.30	3.40	4.20	ug/Kg
75-09-2	Methylene Chloride	6.80	U	3.00	6.80	8.50	ug/Kg
156-60-5	trans-1,2-Dichloroethene	2.10	U	0.73	2.10	4.20	ug/Kg
75-34-3	1,1-Dichloroethane	2.10	U	0.68	2.10	4.20	ug/Kg
110-82-7	Cyclohexane	2.10	U	0.67	2.10	4.20	ug/Kg
78-93-3	2-Butanone	17.0	U	5.60	17.0	21.2	ug/Kg
56-23-5	Carbon Tetrachloride	2.10	U	0.82	2.10	4.20	ug/Kg
156-59-2	cis-1,2-Dichloroethene	2.10	U	0.64	2.10	4.20	ug/Kg
74-97-5	Bromochloromethane	3.40	U	0.98	3.40	4.20	ug/Kg
67-66-3	Chloroform	3.40	U	0.71	3.40	4.20	ug/Kg
71-55-6	1,1,1-Trichloroethane	2.10	U	0.79	2.10	4.20	ug/Kg
108-87-2	Methylcyclohexane	2.10	U	0.77	2.10	4.20	ug/Kg
71-43-2	Benzene	2.10	U	0.67	2.10	4.20	ug/Kg
107-06-2	1,2-Dichloroethane	2.10	U	0.67	2.10	4.20	ug/Kg
79-01-6	Trichloroethene	2.10	U	0.69	2.10	4.20	ug/Kg
78-87-5	1,2-Dichloropropane	2.10	U	0.77	2.10	4.20	ug/Kg
75-27-4	Bromodichloromethane	2.10	U	0.66	2.10	4.20	ug/Kg
108-10-1	4-Methyl-2-Pentanone	10.6	U	3.00	10.6	21.2	ug/Kg
108-88-3	Toluene	2.10	U	0.66	2.10	4.20	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	10PC-W	SDG No.:	Q2820
Lab Sample ID:	Q2820-11	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	92.4
Sample Wt/Vol:	6.37 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032094.D	1	08/14/25 15:24	VW081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	2.10	U	0.55	2.10	4.20	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	2.10	U	0.53	2.10	4.20	ug/Kg
79-00-5	1,1,2-Trichloroethane	2.10	U	0.78	2.10	4.20	ug/Kg
591-78-6	2-Hexanone	10.6	U	3.10	10.6	21.2	ug/Kg
124-48-1	Dibromochloromethane	2.10	U	0.74	2.10	4.20	ug/Kg
106-93-4	1,2-Dibromoethane	2.10	U	0.75	2.10	4.20	ug/Kg
127-18-4	Tetrachloroethene	2.10	U	0.89	2.10	4.20	ug/Kg
108-90-7	Chlorobenzene	2.10	U	0.77	2.10	4.20	ug/Kg
100-41-4	Ethyl Benzene	2.10	U	0.57	2.10	4.20	ug/Kg
179601-23-1	m/p-Xylenes	4.20	U	1.10	4.20	8.50	ug/Kg
95-47-6	o-Xylene	2.10	U	0.70	2.10	4.20	ug/Kg
100-42-5	Styrene	2.10	U	0.60	2.10	4.20	ug/Kg
75-25-2	Bromoform	2.10	U	0.73	2.10	4.20	ug/Kg
98-82-8	Isopropylbenzene	2.10	U	0.66	2.10	4.20	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	2.10	U	1.00	2.10	4.20	ug/Kg
541-73-1	1,3-Dichlorobenzene	2.10	U	1.50	2.10	4.20	ug/Kg
106-46-7	1,4-Dichlorobenzene	2.10	U	1.30	2.10	4.20	ug/Kg
95-50-1	1,2-Dichlorobenzene	2.10	U	1.20	2.10	4.20	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.40	U	1.60	3.40	4.20	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.40	U	2.50	3.40	4.20	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.40	U	2.70	3.40	4.20	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	59.8		71 - 136		120%	SPK: 50
1868-53-7	Dibromofluoromethane	55.3		78 - 119		111%	SPK: 50
2037-26-5	Toluene-d8	50.3		85 - 116		101%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.7		79 - 119		105%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	137000	7.959				
540-36-3	1,4-Difluorobenzene	286000	8.849				
3114-55-4	Chlorobenzene-d5	284000	11.629				
3855-82-1	1,4-Dichlorobenzene-d4	146000	13.556				

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	10PC-W	SDG No.:	Q2820
Lab Sample ID:	Q2820-11	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	92.4
Sample Wt/Vol:	6.37	Units:	g
Soil Aliquot Vol:		Final Vol:	5000 uL
		Test:	VOC-TCLVOA-10
GC Column:	RXI-624	ID :	0.25
		Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032094.D	1	08/14/25 15:24	VW081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
Data File : VW032094.D
Acq On : 14 Aug 2025 15:24
Operator : SY/MD
Sample : Q2820-11
Misc : 6.37g/5mL/MSVOA_W/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
10PC-W

Quant Time: Aug 18 03:53:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 12 04:04:48 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.959	168	137313	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	286341	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	284239	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	145639	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	118763	59.802	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	119.600%
35) Dibromofluoromethane	7.898	113	102258	55.278	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	110.560%
50) Toluene-d8	10.325	98	343997	50.276	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	100.560%
62) 4-Bromofluorobenzene	12.617	95	132784	52.662	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	105.320%

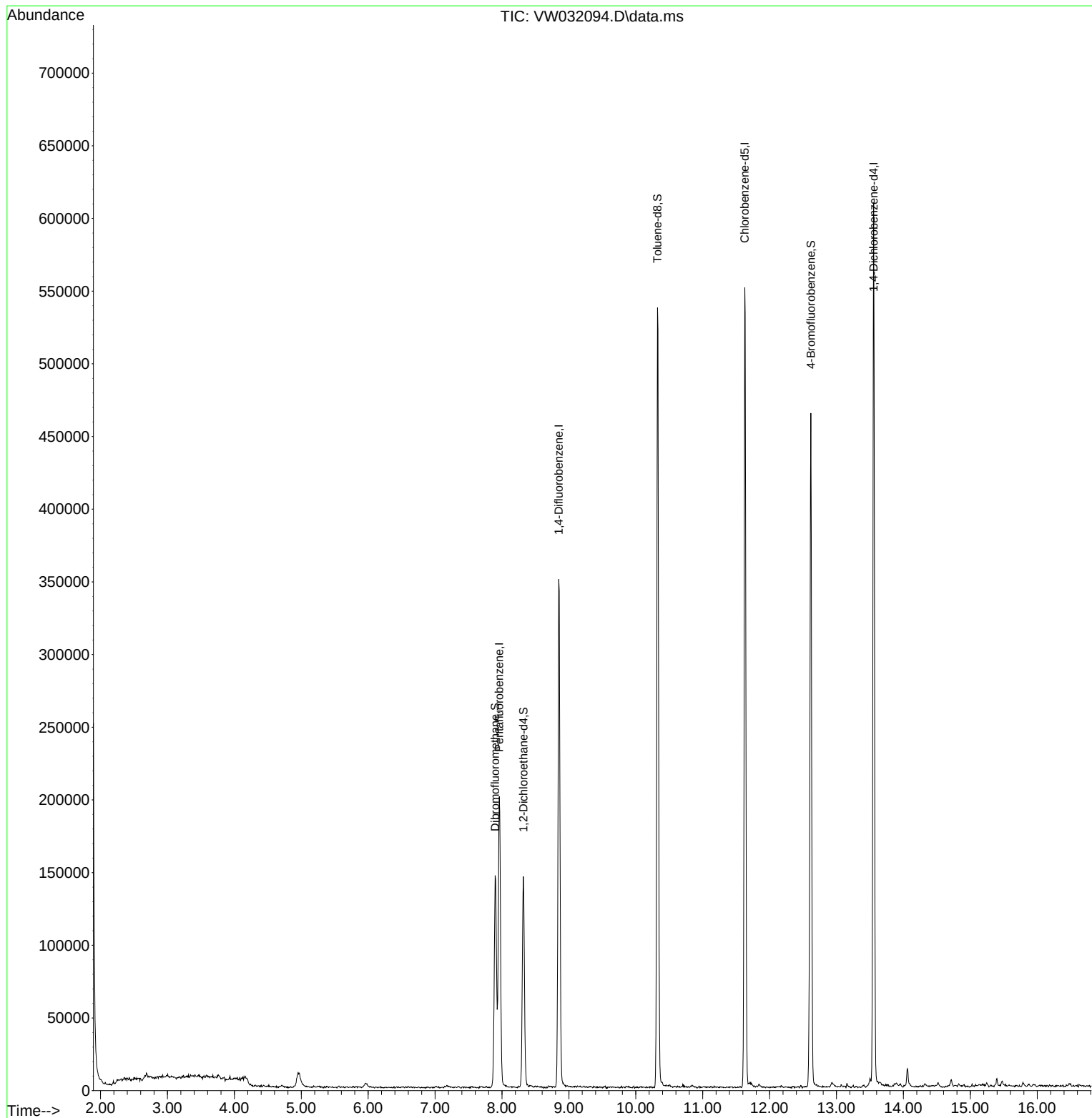
Target Compounds	Qvalue
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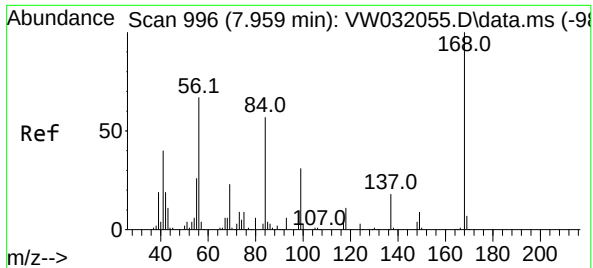
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
Data File : VW032094.D
Acq On : 14 Aug 2025 15:24
Operator : SY/MD
Sample : Q2820-11
Misc : 6.37g/5mL/MSVOA_W/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
10PC-W

Quant Time: Aug 18 03:53:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 12 04:04:48 2025
Response via : Initial Calibration

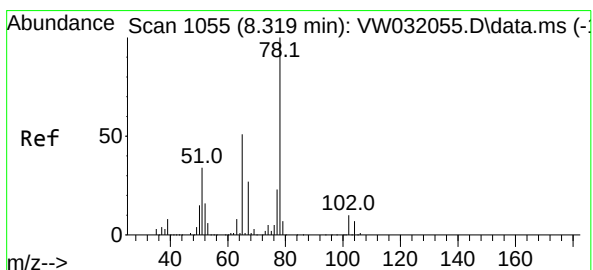
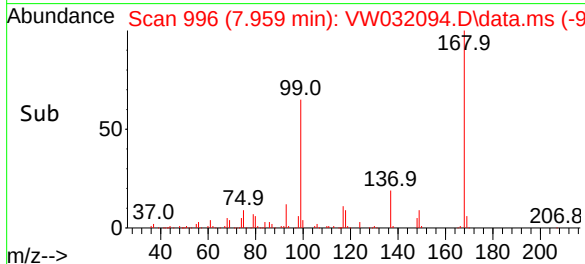
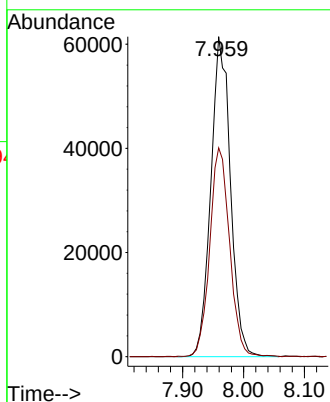
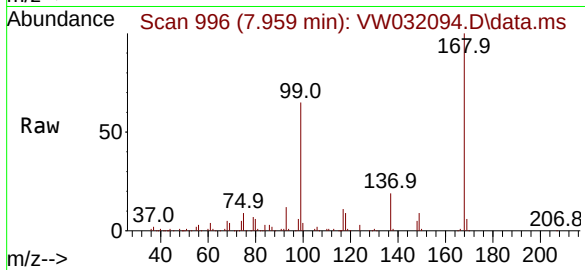




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 996
Delta R.T. 0.000 min
Lab File: VW032094.D
Acq: 14 Aug 2025 15:24

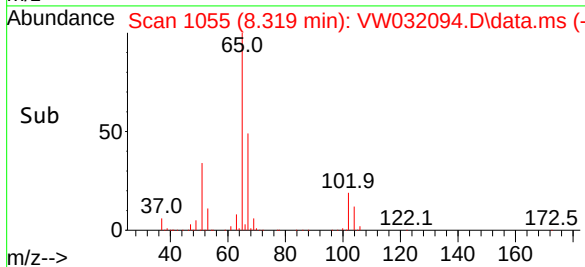
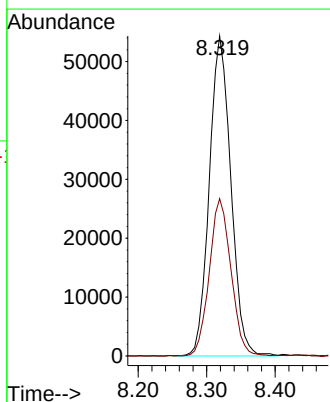
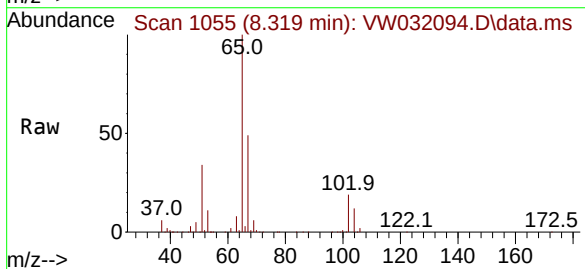
Instrument :
MSVOA_W
ClientSampleId :
10PC-W

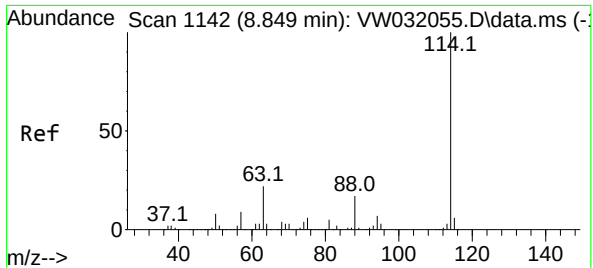
Tgt Ion:168 Resp: 137313
Ion Ratio Lower Upper
168 100
99 65.1 56.0 84.0



#33
1,2-Dichloroethane-d4
Concen: 59.802 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VW032094.D
Acq: 14 Aug 2025 15:24

Tgt Ion: 65 Resp: 118763
Ion Ratio Lower Upper
65 100
67 49.4 0.0 102.4

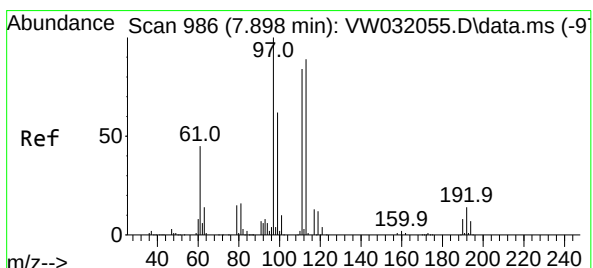
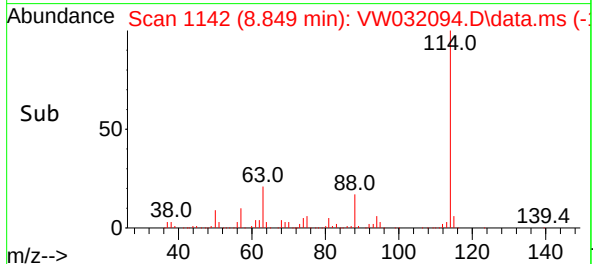
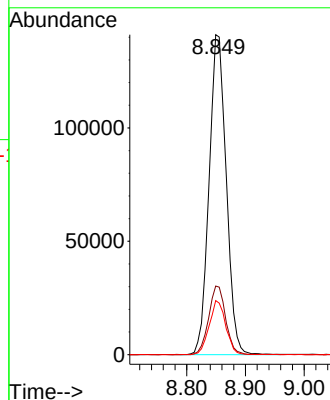
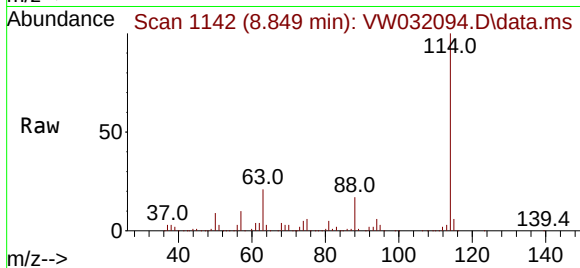




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 1142
Delta R.T. -0.000 min
Lab File: VW032094.D
Acq: 14 Aug 2025 15:24

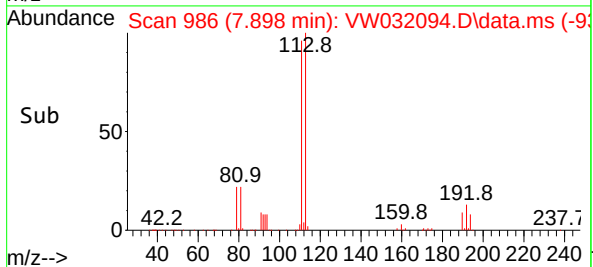
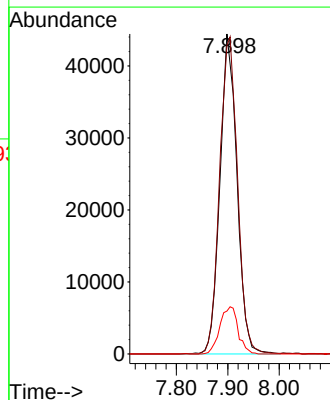
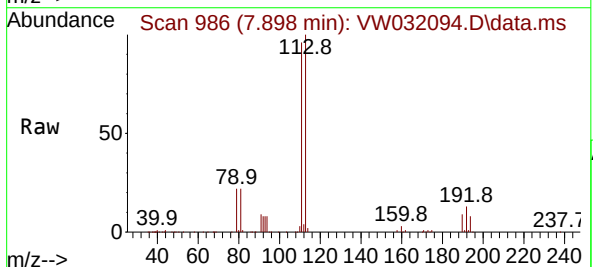
Instrument :
MSVOA_W
ClientSampleId :
10PC-W

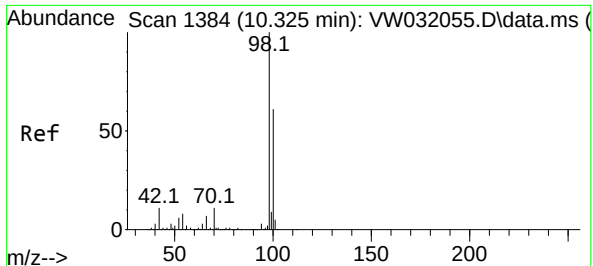
Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.4	0.0	43.0
88	16.9	0.0	33.8



#35
Dibromofluoromethane
Concen: 55.278 ug/l
RT: 7.898 min Scan# 986
Delta R.T. -0.000 min
Lab File: VW032094.D
Acq: 14 Aug 2025 15:24

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.8	80.1	120.1
192	15.8	13.1	19.7

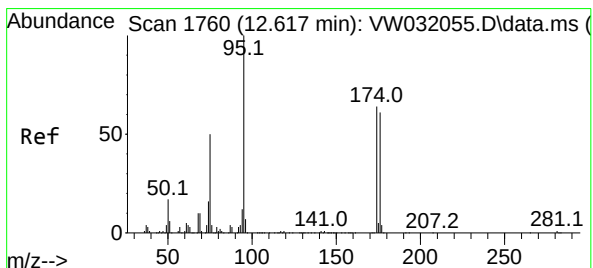
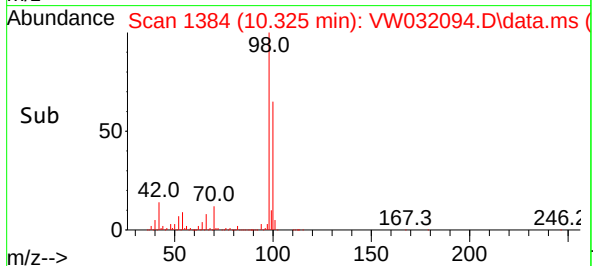
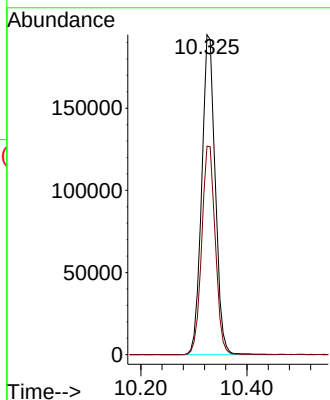
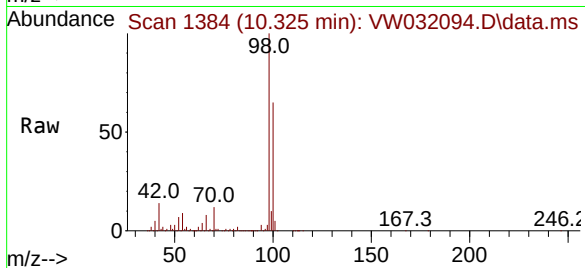




#50
Toluene-d8
Concen: 50.276 ug/l
RT: 10.325 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW032094.D
Acq: 14 Aug 2025 15:24

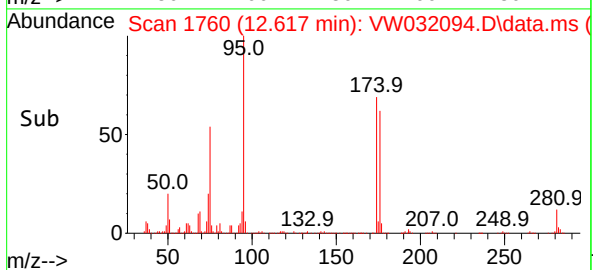
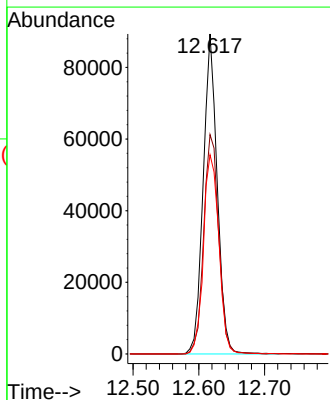
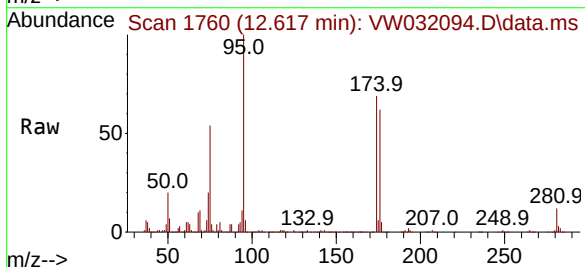
Instrument :
MSVOA_W
ClientSampleId :
10PC-W

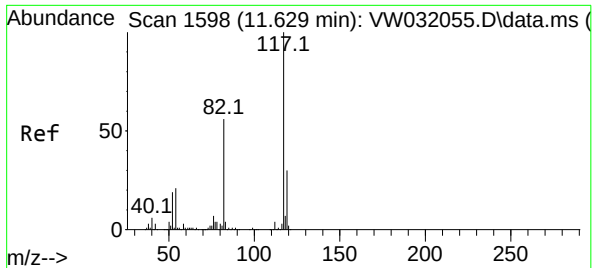
Tgt Ion: 98 Resp: 343997
Ion Ratio Lower Upper
98 100
100 65.6 51.1 76.7



#62
4-Bromofluorobenzene
Concen: 52.662 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032094.D
Acq: 14 Aug 2025 15:24

Tgt Ion: 95 Resp: 132784
Ion Ratio Lower Upper
95 100
174 73.6 0.0 129.0
176 68.2 0.0 124.6

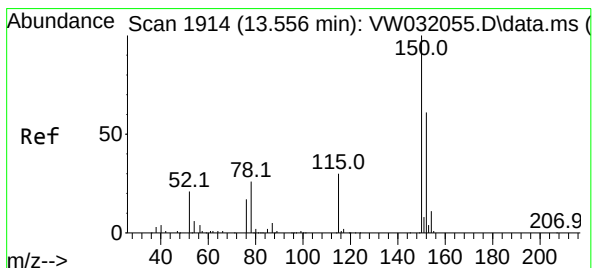
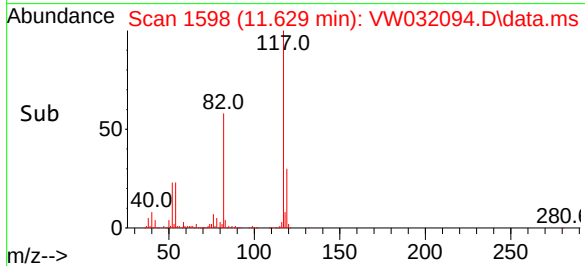
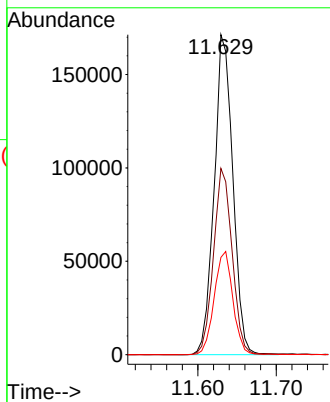
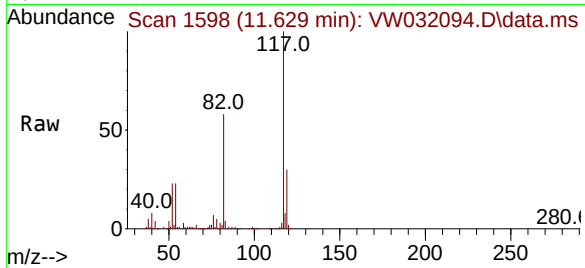




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW032094.D
Acq: 14 Aug 2025 15:24

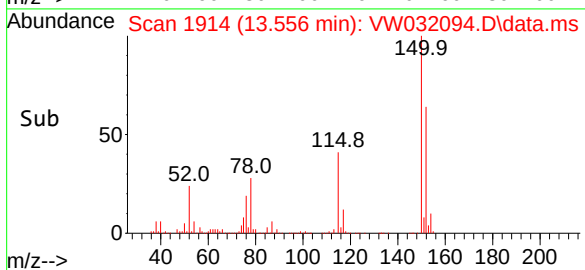
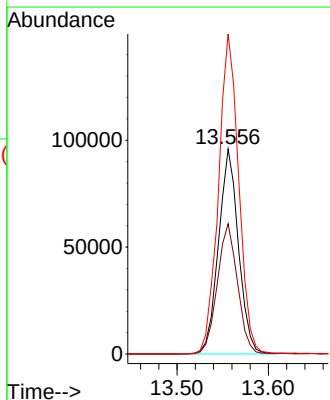
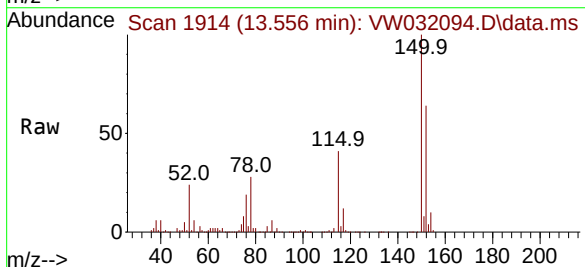
Instrument :
MSVOA_W
ClientSampleId :
10PC-W

Tgt Ion	Ratio	Lower	Upper
117	100		
82	58.2	45.0	67.4
119	30.4	24.2	36.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. -0.000 min
Lab File: VW032094.D
Acq: 14 Aug 2025 15:24

Tgt Ion	Ratio	Lower	Upper
152	100		
115	64.5	32.6	97.8
150	159.1	0.0	359.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
Data File : VW032094.D
Acq On : 14 Aug 2025 15:24
Operator : SY/MD
Sample : Q2820-11
Misc : 6.37g/5mL/MSVOA_W/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
10PC-W

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Title : SW846 8260

Signal : TIC: VW032094.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.954	494	503	504	rBV2	9234	17630	1.84%	0.316%
2	7.898	975	986	991	rBV2	145708	349667	36.57%	6.275%
3	7.959	991	996	1009	rVB	198936	454955	47.59%	8.165%
4	8.319	1046	1055	1064	rBV	144910	320801	33.55%	5.757%
5	8.849	1132	1142	1156	rBV	349507	712963	74.57%	12.795%
6	10.325	1377	1384	1393	rBV	536628	955758	99.97%	17.153%
7	11.629	1590	1598	1606	rBV	550467	936044	97.90%	16.799%
8	12.617	1750	1760	1773	rBV2	463528	825407	86.33%	14.813%
9	13.501	1894	1905	1907	rBV7	6340	12748	1.33%	0.229%
10	13.556	1907	1914	1922	rVB	605335	956074	100.00%	17.158%
11	14.056	1991	1996	2004	rBV	11728	19776	2.07%	0.355%
12	15.397	2209	2216	2220	rBV7	5761	10236	1.07%	0.184%

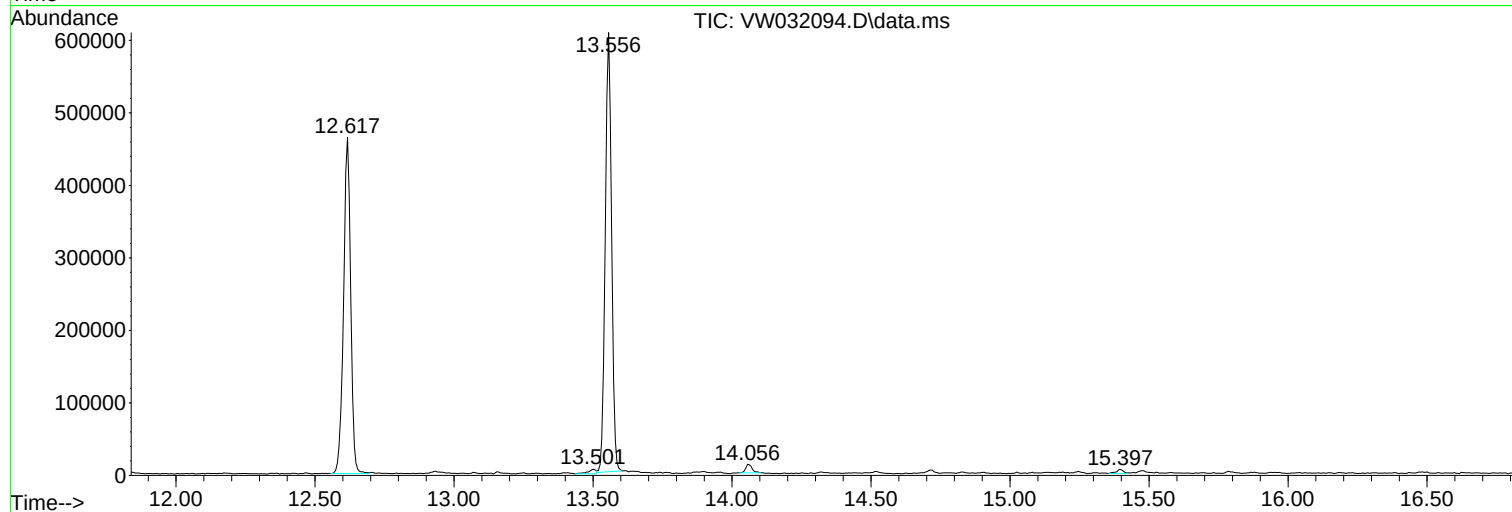
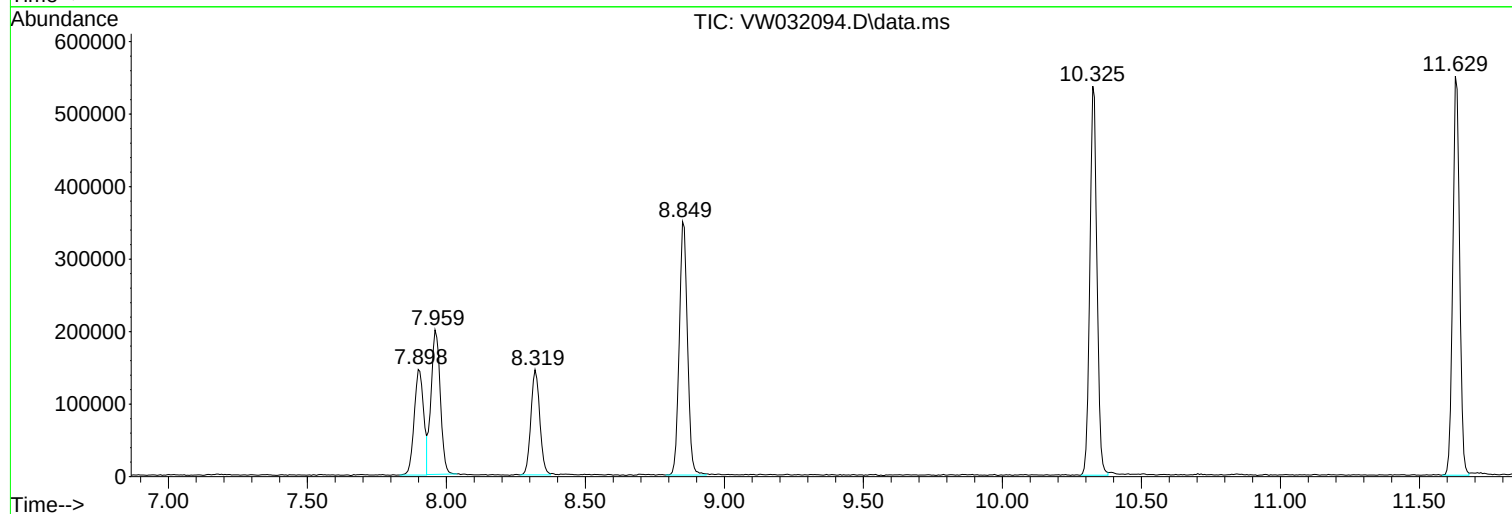
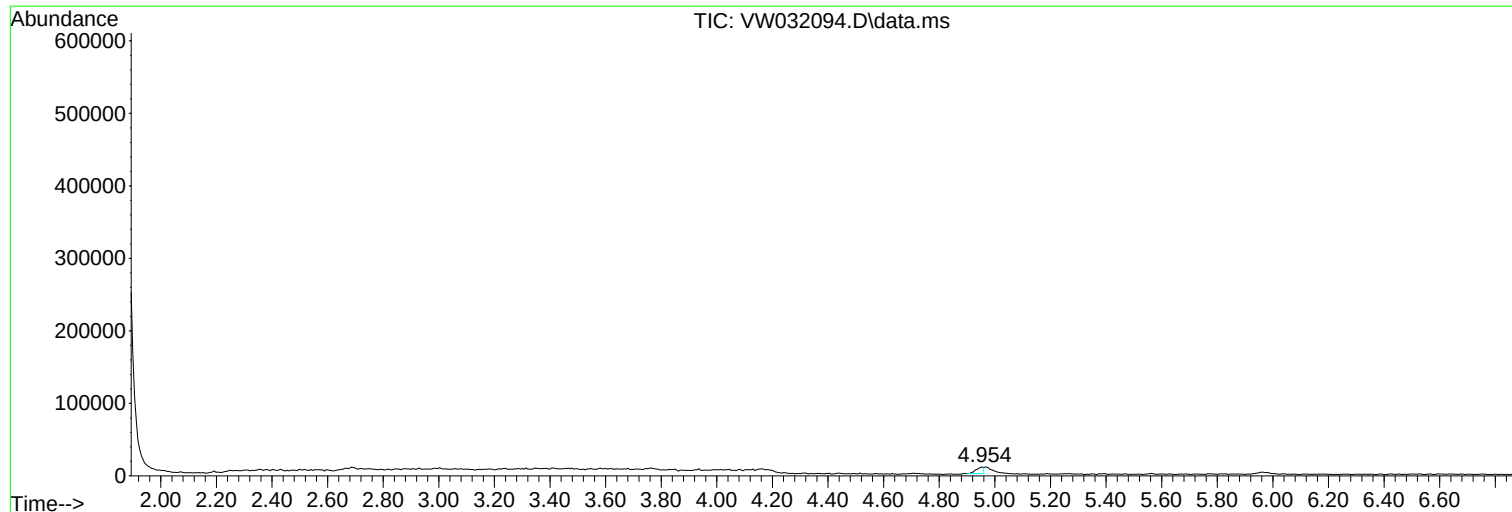
Sum of corrected areas: 5572059

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
Data File : VW032094.D
Acq On : 14 Aug 2025 15:24
Operator : SY/MD
Sample : Q2820-11
Misc : 6.37g/5mL/MSVOA_W/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
10PC-W

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
Data File : VW032094.D
Acq On : 14 Aug 2025 15:24
Operator : SY/MD
Sample : Q2820-11
Misc : 6.37g/5mL/MSVOA_W/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
10PC-W

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
Data File : VW032094.D
Acq On : 14 Aug 2025 15:24
Operator : SY/MD
Sample : Q2820-11
Misc : 6.37g/5mL/MSVOA_W/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
10PC-W

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260

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

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

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	10PC-S	SDG No.:	Q2820
Lab Sample ID:	Q2820-12	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	92.1
Sample Wt/Vol:	6.37 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032095.D	1	08/14/25 15:47	VW081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	3.40	U	0.97	3.40	4.30	ug/Kg
74-87-3	Chloromethane	2.10	U	0.97	2.10	4.30	ug/Kg
75-01-4	Vinyl Chloride	2.10	U	0.67	2.10	4.30	ug/Kg
74-83-9	Bromomethane	3.40	U	0.91	3.40	4.30	ug/Kg
75-00-3	Chloroethane	2.10	U	1.10	2.10	4.30	ug/Kg
75-69-4	Trichlorofluoromethane	3.40	U	1.00	3.40	4.30	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	2.10	U	0.90	2.10	4.30	ug/Kg
75-35-4	1,1-Dichloroethene	2.10	U	0.85	2.10	4.30	ug/Kg
67-64-1	Acetone	17.0	U	4.00	17.0	21.3	ug/Kg
75-15-0	Carbon Disulfide	3.40	U	0.90	3.40	4.30	ug/Kg
1634-04-4	Methyl tert-butyl Ether	2.10	U	0.62	2.10	4.30	ug/Kg
79-20-9	Methyl Acetate	3.40	U	1.30	3.40	4.30	ug/Kg
75-09-2	Methylene Chloride	6.80	U	3.00	6.80	8.50	ug/Kg
156-60-5	trans-1,2-Dichloroethene	2.10	U	0.73	2.10	4.30	ug/Kg
75-34-3	1,1-Dichloroethane	2.10	U	0.68	2.10	4.30	ug/Kg
110-82-7	Cyclohexane	2.10	U	0.67	2.10	4.30	ug/Kg
78-93-3	2-Butanone	17.0	U	5.60	17.0	21.3	ug/Kg
56-23-5	Carbon Tetrachloride	2.10	U	0.83	2.10	4.30	ug/Kg
156-59-2	cis-1,2-Dichloroethene	2.10	U	0.64	2.10	4.30	ug/Kg
74-97-5	Bromochloromethane	3.40	U	0.98	3.40	4.30	ug/Kg
67-66-3	Chloroform	3.40	U	0.72	3.40	4.30	ug/Kg
71-55-6	1,1,1-Trichloroethane	2.10	U	0.79	2.10	4.30	ug/Kg
108-87-2	Methylcyclohexane	2.10	U	0.78	2.10	4.30	ug/Kg
71-43-2	Benzene	2.10	U	0.67	2.10	4.30	ug/Kg
107-06-2	1,2-Dichloroethane	2.10	U	0.67	2.10	4.30	ug/Kg
79-01-6	Trichloroethene	2.10	U	0.69	2.10	4.30	ug/Kg
78-87-5	1,2-Dichloropropane	2.10	U	0.78	2.10	4.30	ug/Kg
75-27-4	Bromodichloromethane	2.10	U	0.66	2.10	4.30	ug/Kg
108-10-1	4-Methyl-2-Pentanone	10.7	U	3.10	10.7	21.3	ug/Kg
108-88-3	Toluene	2.10	U	0.66	2.10	4.30	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	10PC-S	SDG No.:	Q2820
Lab Sample ID:	Q2820-12	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	92.1
Sample Wt/Vol:	6.37 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032095.D	1	08/14/25 15:47	VW081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	2.10	U	0.55	2.10	4.30	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	2.10	U	0.53	2.10	4.30	ug/Kg
79-00-5	1,1,2-Trichloroethane	2.10	U	0.78	2.10	4.30	ug/Kg
591-78-6	2-Hexanone	10.7	U	3.10	10.7	21.3	ug/Kg
124-48-1	Dibromochloromethane	2.10	U	0.74	2.10	4.30	ug/Kg
106-93-4	1,2-Dibromoethane	2.10	U	0.75	2.10	4.30	ug/Kg
127-18-4	Tetrachloroethene	2.10	U	0.89	2.10	4.30	ug/Kg
108-90-7	Chlorobenzene	2.10	U	0.78	2.10	4.30	ug/Kg
100-41-4	Ethyl Benzene	2.10	U	0.57	2.10	4.30	ug/Kg
179601-23-1	m/p-Xylenes	4.30	U	1.10	4.30	8.50	ug/Kg
95-47-6	o-Xylene	2.10	U	0.70	2.10	4.30	ug/Kg
100-42-5	Styrene	2.10	U	0.61	2.10	4.30	ug/Kg
75-25-2	Bromoform	2.10	U	0.73	2.10	4.30	ug/Kg
98-82-8	Isopropylbenzene	2.10	U	0.66	2.10	4.30	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	2.10	U	1.00	2.10	4.30	ug/Kg
541-73-1	1,3-Dichlorobenzene	2.10	U	1.50	2.10	4.30	ug/Kg
106-46-7	1,4-Dichlorobenzene	2.10	U	1.30	2.10	4.30	ug/Kg
95-50-1	1,2-Dichlorobenzene	2.10	U	1.20	2.10	4.30	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.40	U	1.60	3.40	4.30	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.40	U	2.50	3.40	4.30	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.40	U	2.70	3.40	4.30	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	57.1		71 - 136		114%	SPK: 50
1868-53-7	Dibromofluoromethane	56.8		78 - 119		114%	SPK: 50
2037-26-5	Toluene-d8	50.7		85 - 116		101%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.6		79 - 119		101%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	147000	7.959				
540-36-3	1,4-Difluorobenzene	292000	8.849				
3114-55-4	Chlorobenzene-d5	295000	11.635				
3855-82-1	1,4-Dichlorobenzene-d4	141000	13.556				

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	10PC-S	SDG No.:	Q2820
Lab Sample ID:	Q2820-12	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	92.1
Sample Wt/Vol:	6.37 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032095.D	1	08/14/25 15:47	VW081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
Data File : VW032095.D
Acq On : 14 Aug 2025 15:47
Operator : SY/MD
Sample : Q2820-12
Misc : 6.37g/5mL/MSVOA_W/SOIL/A
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
10PC-S

Quant Time: Aug 18 03:54:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 12 04:04:48 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.959	168	146756	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	291552	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	294933	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	140579	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	121261	57.131	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	114.260%
35) Dibromofluoromethane	7.898	113	107032	56.825	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	113.640%
50) Toluene-d8	10.331	98	352920	50.659	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	101.320%
62) 4-Bromofluorobenzene	12.617	95	129815	50.565	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	101.120%

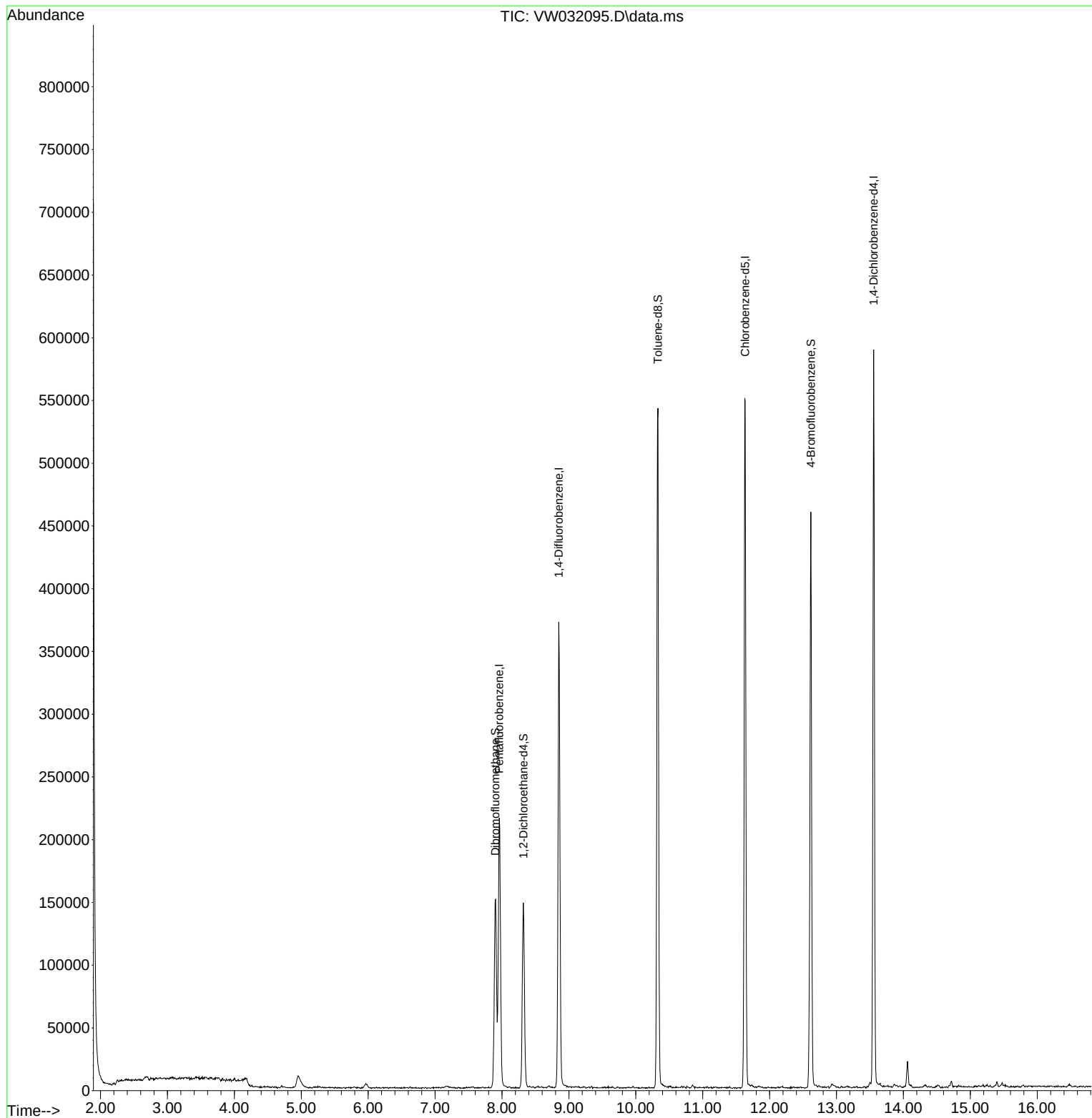
Target Compounds	Qvalue
------------------	--------

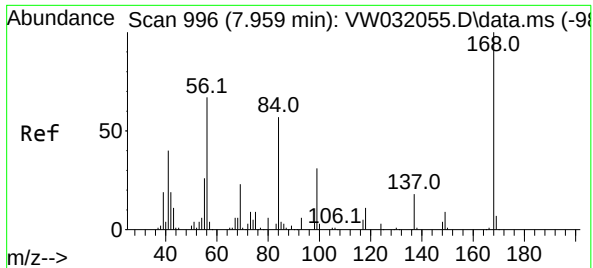
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
Data File : VW032095.D
Acq On : 14 Aug 2025 15:47
Operator : SY/MD
Sample : Q2820-12
Misc : 6.37g/5mL/MSVOA_W/SOIL/A
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
10PC-S

Quant Time: Aug 18 03:54:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 12 04:04:48 2025
Response via : Initial Calibration

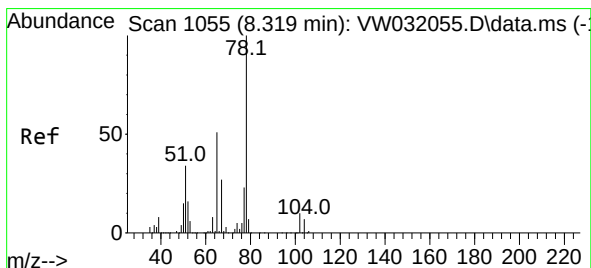
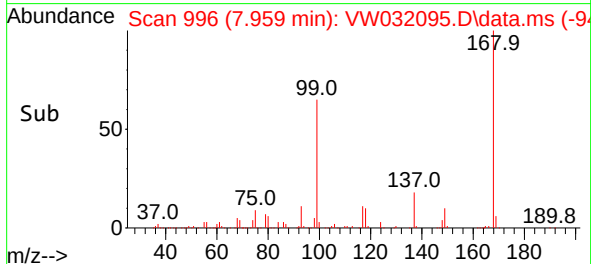
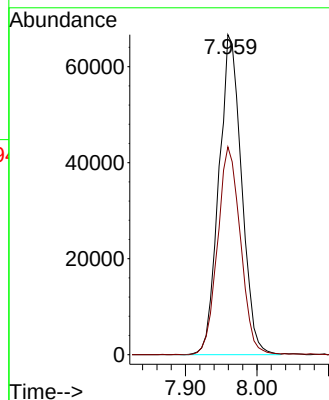
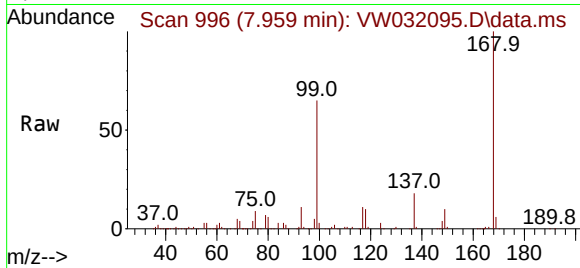




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 996
Delta R.T. 0.000 min
Lab File: VW032095.D
Acq: 14 Aug 2025 15:47

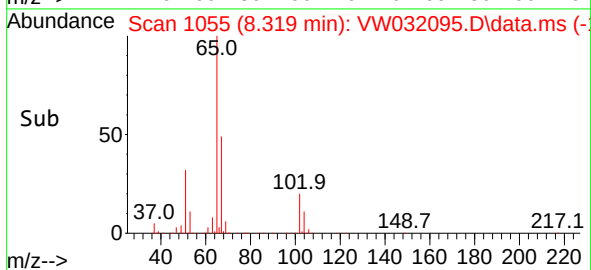
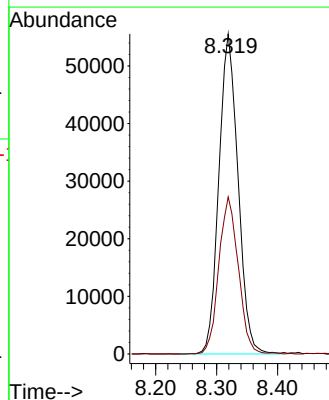
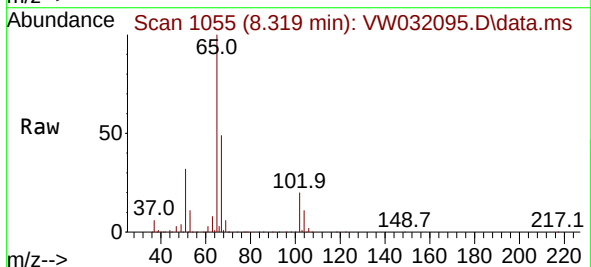
Instrument :
MSVOA_W
ClientSampleId :
10PC-S

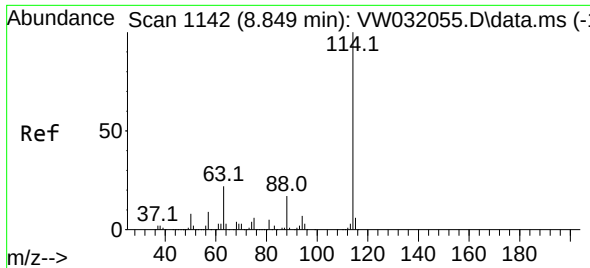
Tgt Ion:168 Resp: 146756
Ion Ratio Lower Upper
168 100
99 64.9 56.0 84.0



#33
1,2-Dichloroethane-d4
Concen: 57.131 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VW032095.D
Acq: 14 Aug 2025 15:47

Tgt Ion: 65 Resp: 121261
Ion Ratio Lower Upper
65 100
67 50.0 0.0 102.4

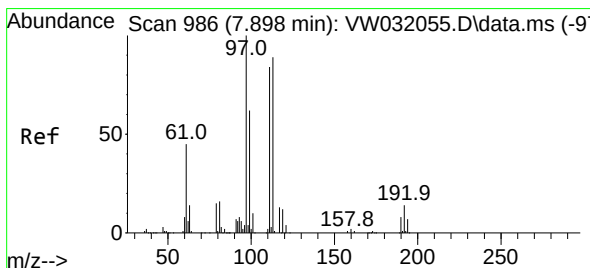
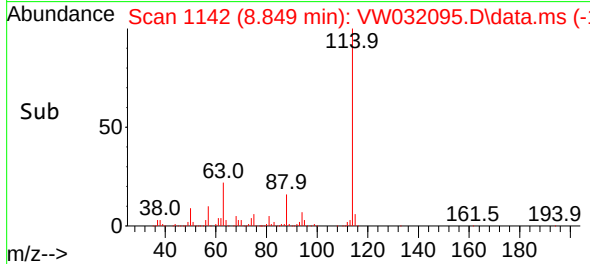
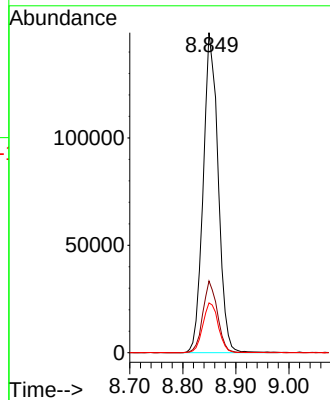
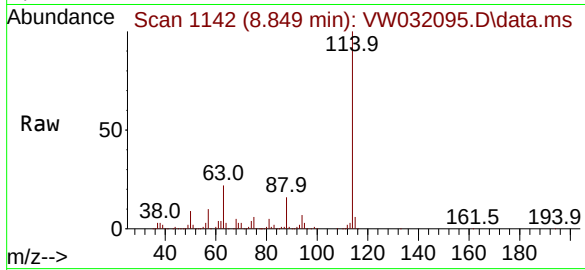




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 1142
Delta R.T. -0.000 min
Lab File: VW032095.D
Acq: 14 Aug 2025 15:47

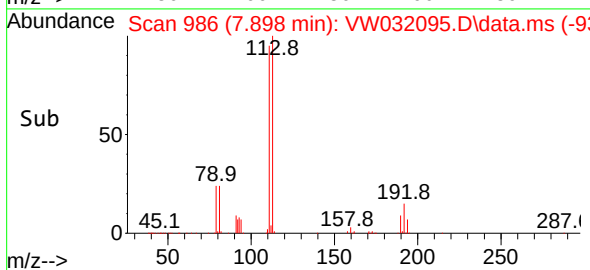
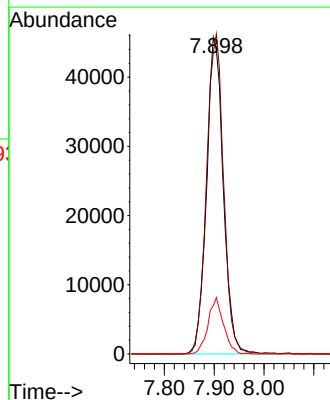
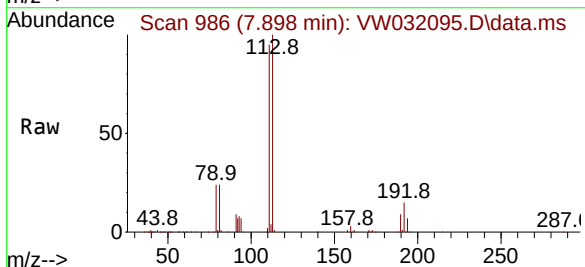
Instrument :
MSVOA_W
ClientSampleId :
10PC-S

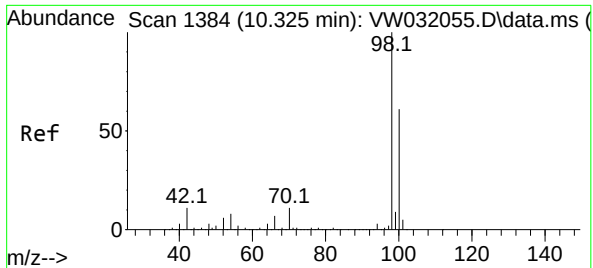
Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.4	0.0	43.0
88	15.5	0.0	33.8



#35
Dibromofluoromethane
Concen: 56.825 ug/l
RT: 7.898 min Scan# 986
Delta R.T. -0.000 min
Lab File: VW032095.D
Acq: 14 Aug 2025 15:47

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.7	80.1	120.1
192	16.5	13.1	19.7

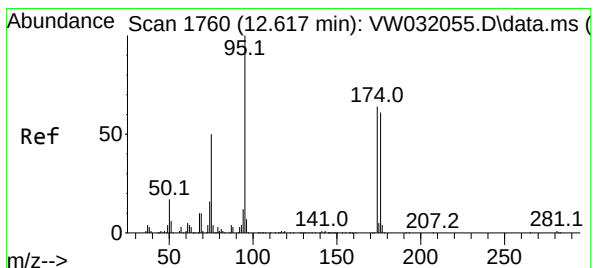
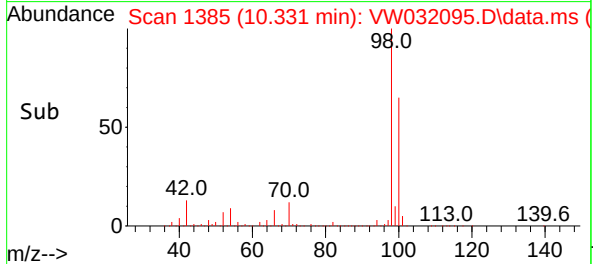
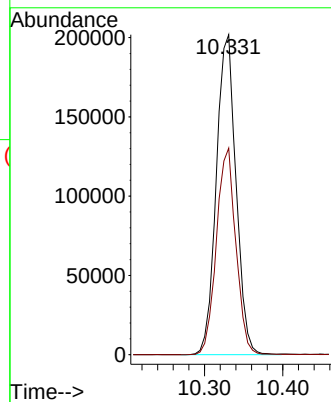
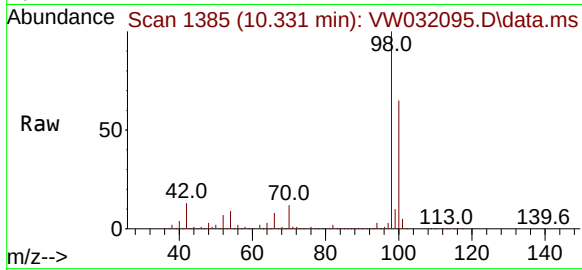




#50
Toluene-d8
Concen: 50.659 ug/l
RT: 10.331 min Scan# 1385
Delta R.T. 0.006 min
Lab File: VW032095.D
Acq: 14 Aug 2025 15:47

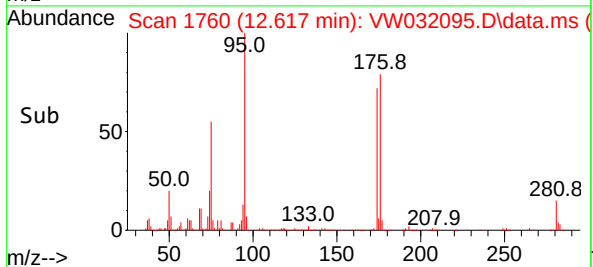
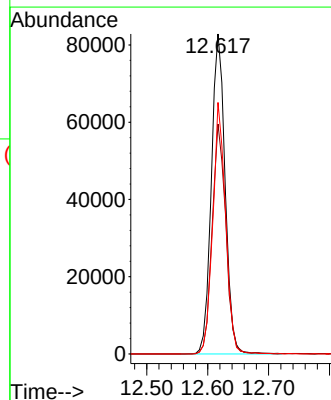
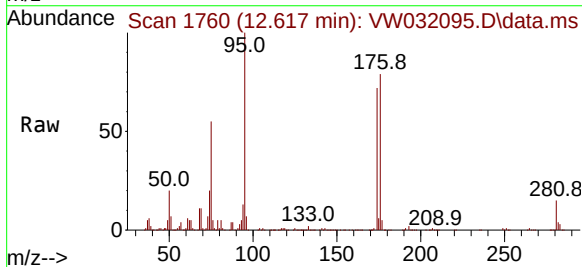
Instrument :
MSVOA_W
ClientSampleId :
10PC-S

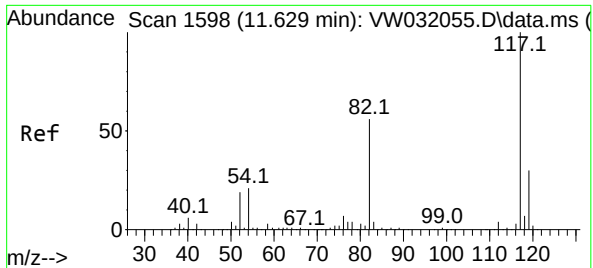
Tgt Ion: 98 Resp: 352920
Ion Ratio Lower Upper
98 100
100 63.7 51.1 76.7



#62
4-Bromofluorobenzene
Concen: 50.565 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032095.D
Acq: 14 Aug 2025 15:47

Tgt Ion: 95 Resp: 129815
Ion Ratio Lower Upper
95 100
174 71.4 0.0 129.0
176 73.3 0.0 124.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.635 min Scan# 11

Delta R.T. 0.006 min

Lab File: VW032095.D

Acq: 14 Aug 2025 15:47

Instrument :

MSVOA_W

ClientSampleId :

10PC-S

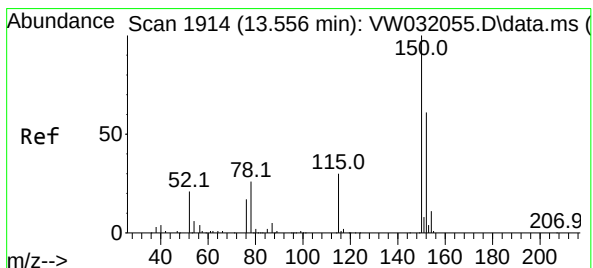
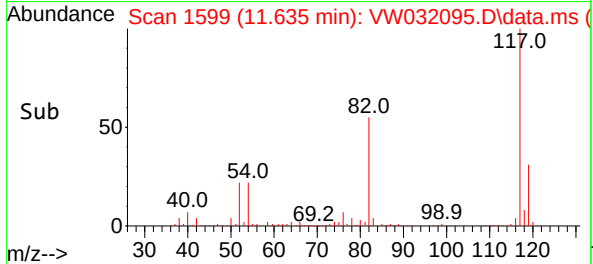
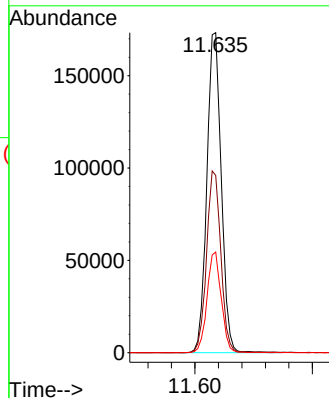
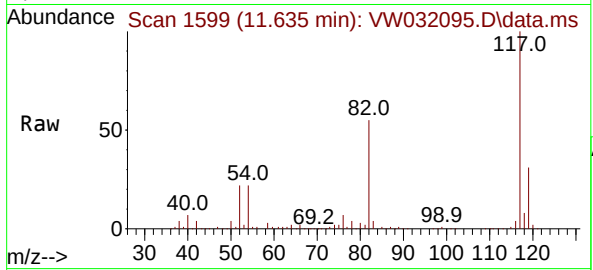
Tgt Ion:117 Resp: 294933

Ion Ratio Lower Upper

117 100

82 55.4 45.0 67.4

119 31.4 24.2 36.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.556 min Scan# 1914

Delta R.T. -0.000 min

Lab File: VW032095.D

Acq: 14 Aug 2025 15:47

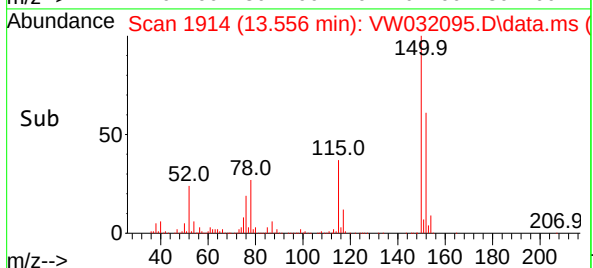
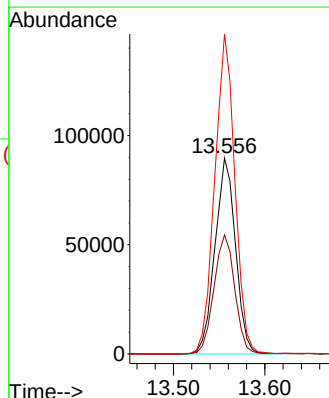
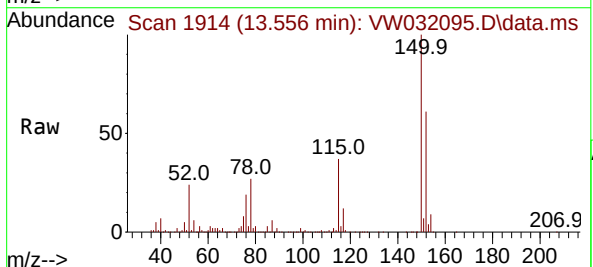
Tgt Ion:152 Resp: 140579

Ion Ratio Lower Upper

152 100

115 61.5 32.6 97.8

150 159.5 0.0 359.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
Data File : VW032095.D
Acq On : 14 Aug 2025 15:47
Operator : SY/MD
Sample : Q2820-12
Misc : 6.37g/5mL/MSVOA_W/SOIL/A
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
10PC-S

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M

Title : SW846 8260

Signal : TIC: VW032095.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.954	492	503	520	rBV3	9342	40611	4.18%	0.723%
2	7.904	975	987	991	rBV	150026	358603	36.90%	6.385%
3	7.959	991	996	1009	rVB	214018	482762	49.67%	8.596%
4	8.319	1045	1055	1067	rBV	147787	332919	34.26%	5.928%
5	8.849	1132	1142	1155	rBV	371502	733995	75.53%	13.069%
6	10.331	1375	1385	1394	rBV	541954	971854	100.00%	17.305%
7	11.629	1589	1598	1606	rBV	549679	945004	97.24%	16.827%
8	12.617	1751	1760	1770	rBV2	458285	797810	82.09%	14.206%
9	12.928	1805	1811	1818	rBV10	3461	10671	1.10%	0.190%
10	13.556	1907	1914	1926	rVB	585425	910433	93.68%	16.211%
11	14.062	1989	1997	2001	rBV	20277	31456	3.24%	0.560%

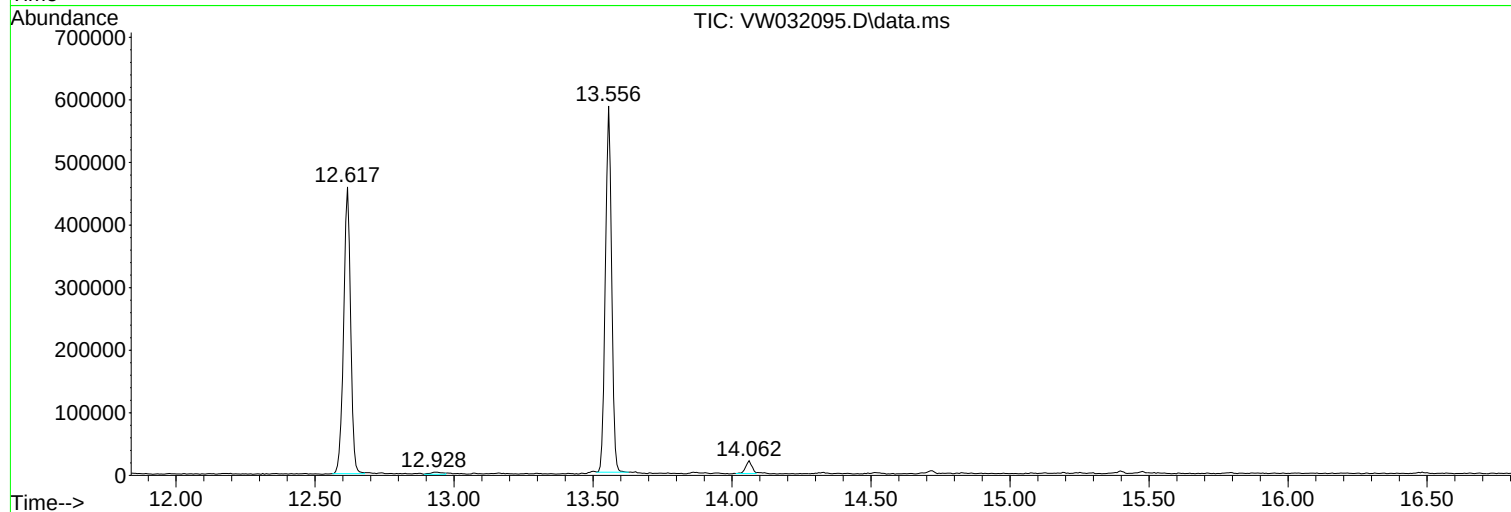
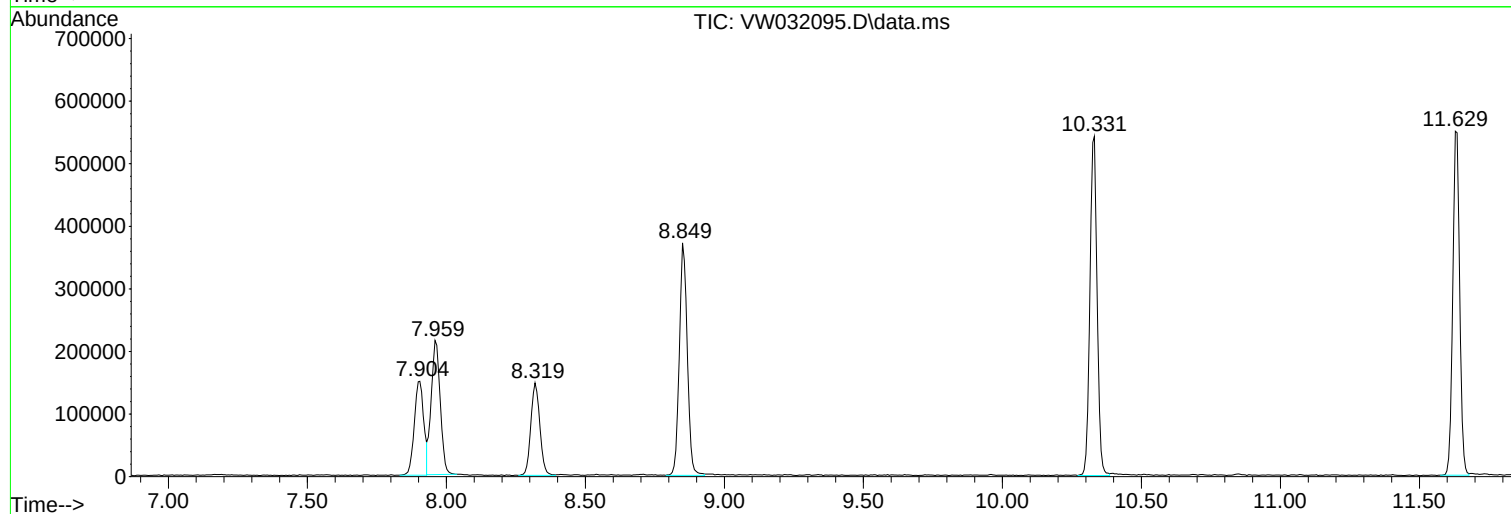
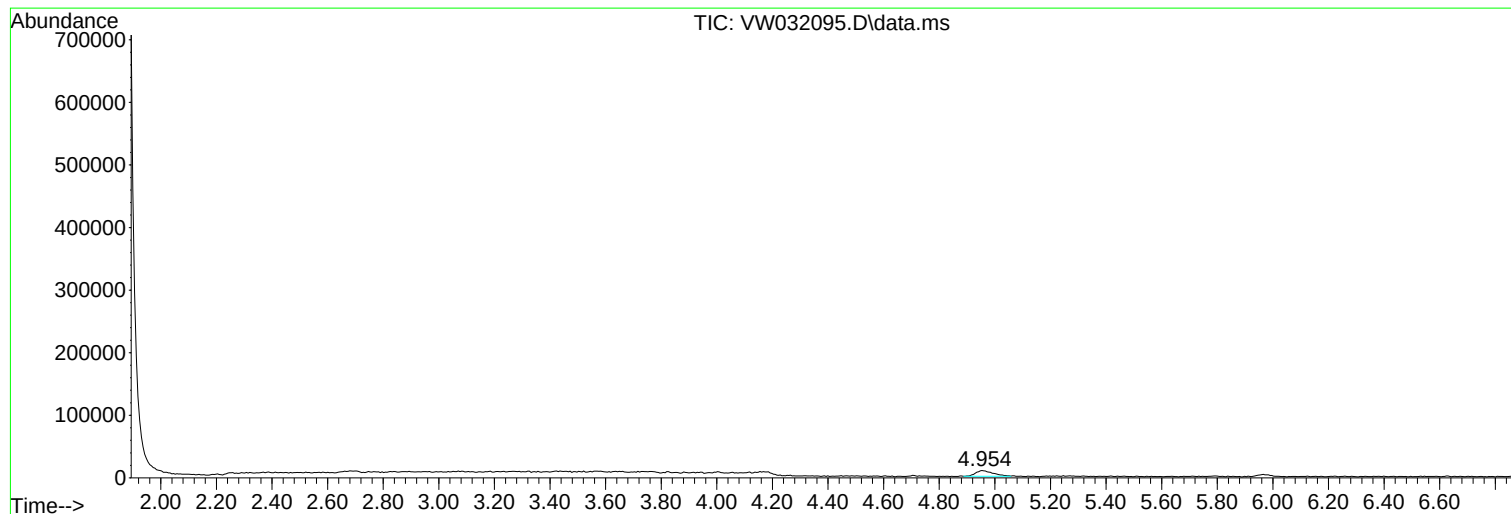
Sum of corrected areas: 5616118

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
Data File : VW032095.D
Acq On : 14 Aug 2025 15:47
Operator : SY/MD
Sample : Q2820-12
Misc : 6.37g/5mL/MSVOA_W/SOIL/A
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
10PC-S

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
Data File : VW032095.D
Acq On : 14 Aug 2025 15:47
Operator : SY/MD
Sample : Q2820-12
Misc : 6.37g/5mL/MSVOA_W/SOIL/A
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
10PC-S

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
Data File : VW032095.D
Acq On : 14 Aug 2025 15:47
Operator : SY/MD
Sample : Q2820-12
Misc : 6.37g/5mL/MSVOA_W/SOIL/A
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
10PC-S

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260

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

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

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	10P-W	SDG No.:	Q2820
Lab Sample ID:	Q2820-13	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	91.2
Sample Wt/Vol:	9.13 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032096.D	1	08/14/25 16:10	VW081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	2.40	U	0.68	2.40	3.00	ug/Kg
74-87-3	Chloromethane	1.50	U	0.68	1.50	3.00	ug/Kg
75-01-4	Vinyl Chloride	1.50	U	0.47	1.50	3.00	ug/Kg
74-83-9	Bromomethane	2.40	U	0.64	2.40	3.00	ug/Kg
75-00-3	Chloroethane	1.50	U	0.76	1.50	3.00	ug/Kg
75-69-4	Trichlorofluoromethane	2.40	U	0.73	2.40	3.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.50	U	0.64	1.50	3.00	ug/Kg
75-35-4	1,1-Dichloroethene	1.50	U	0.60	1.50	3.00	ug/Kg
67-64-1	Acetone	9.30	J	2.80	12.0	15.0	ug/Kg
75-15-0	Carbon Disulfide	2.40	U	0.64	2.40	3.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.50	U	0.44	1.50	3.00	ug/Kg
79-20-9	Methyl Acetate	2.40	U	0.92	2.40	3.00	ug/Kg
75-09-2	Methylene Chloride	3.30	J	2.10	4.80	6.00	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.50	U	0.52	1.50	3.00	ug/Kg
75-34-3	1,1-Dichloroethane	1.50	U	0.48	1.50	3.00	ug/Kg
110-82-7	Cyclohexane	1.50	U	0.47	1.50	3.00	ug/Kg
78-93-3	2-Butanone	12.0	U	3.90	12.0	15.0	ug/Kg
56-23-5	Carbon Tetrachloride	1.50	U	0.58	1.50	3.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1.50	U	0.45	1.50	3.00	ug/Kg
74-97-5	Bromochloromethane	2.40	U	0.69	2.40	3.00	ug/Kg
67-66-3	Chloroform	2.40	U	0.50	2.40	3.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.50	U	0.56	1.50	3.00	ug/Kg
108-87-2	Methylcyclohexane	1.50	U	0.55	1.50	3.00	ug/Kg
71-43-2	Benzene	1.50	U	0.47	1.50	3.00	ug/Kg
107-06-2	1,2-Dichloroethane	1.50	U	0.47	1.50	3.00	ug/Kg
79-01-6	Trichloroethene	1.50	U	0.49	1.50	3.00	ug/Kg
78-87-5	1,2-Dichloropropane	1.50	U	0.55	1.50	3.00	ug/Kg
75-27-4	Bromodichloromethane	1.50	U	0.47	1.50	3.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	7.50	U	2.10	7.50	15.0	ug/Kg
108-88-3	Toluene	1.50	U	0.47	1.50	3.00	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	10P-W	SDG No.:	Q2820
Lab Sample ID:	Q2820-13	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	91.2
Sample Wt/Vol:	9.13 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032096.D	1	08/14/25 16:10	VW081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	1.50	U	0.39	1.50	3.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.50	U	0.37	1.50	3.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	1.50	U	0.55	1.50	3.00	ug/Kg
591-78-6	2-Hexanone	7.50	U	2.20	7.50	15.0	ug/Kg
124-48-1	Dibromochloromethane	1.50	U	0.52	1.50	3.00	ug/Kg
106-93-4	1,2-Dibromoethane	1.50	U	0.53	1.50	3.00	ug/Kg
127-18-4	Tetrachloroethene	1.50	U	0.63	1.50	3.00	ug/Kg
108-90-7	Chlorobenzene	1.50	U	0.55	1.50	3.00	ug/Kg
100-41-4	Ethyl Benzene	1.50	U	0.40	1.50	3.00	ug/Kg
179601-23-1	m/p-Xylenes	3.00	U	0.74	3.00	6.00	ug/Kg
95-47-6	o-Xylene	1.50	U	0.49	1.50	3.00	ug/Kg
100-42-5	Styrene	1.50	U	0.43	1.50	3.00	ug/Kg
75-25-2	Bromoform	1.50	U	0.52	1.50	3.00	ug/Kg
98-82-8	Isopropylbenzene	1.50	U	0.47	1.50	3.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.50	U	0.73	1.50	3.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.50	U	1.00	1.50	3.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.50	U	0.94	1.50	3.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.50	U	0.87	1.50	3.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	2.40	U	1.10	2.40	3.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2.40	U	1.80	2.40	3.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	2.40	U	1.90	2.40	3.00	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	54.2		71 - 136		108%	SPK: 50
1868-53-7	Dibromofluoromethane	52.8		78 - 119		106%	SPK: 50
2037-26-5	Toluene-d8	46.6		85 - 116		93%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.5		79 - 119		91%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	154000	7.965				
540-36-3	1,4-Difluorobenzene	317000	8.855				
3114-55-4	Chlorobenzene-d5	348000	11.635				
3855-82-1	1,4-Dichlorobenzene-d4	179000	13.556				

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	10P-W	SDG No.:	Q2820
Lab Sample ID:	Q2820-13	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	91.2
Sample Wt/Vol:	9.13 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032096.D	1	08/14/25 16:10	VW081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
------------	-----------	-------	-----------	-----	-----	------------	-------

U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 E = Value Exceeds Calibration Range
 Q = indicates LCS control criteria did not meet requirements
 M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 N = Presumptive Evidence of a Compound
 * = Values outside of QC limits
 D = Dilution
 () = Laboratory InHouse Limit
 A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
Data File : VW032096.D
Acq On : 14 Aug 2025 16:10
Operator : SY/MD
Sample : Q2820-13
Misc : 9.13g/5mL/MSVOA_W/SOIL/A
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
10P-W

Quant Time: Aug 18 03:54:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 12 04:04:48 2025
Response via : Initial Calibration

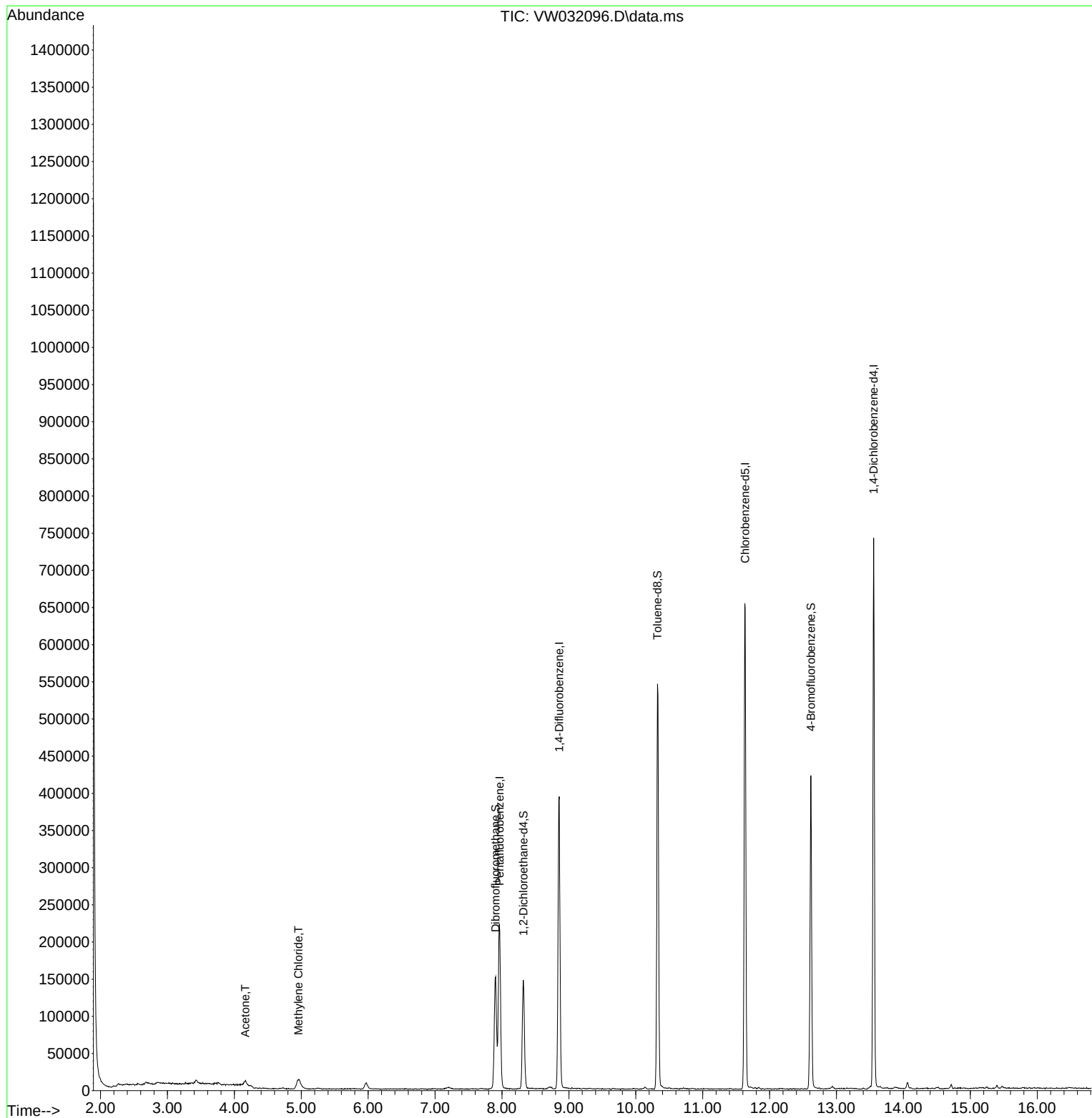
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.965	168	153502	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	317351	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	347999	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	179419	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	120279	54.178	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	= 108.360%		
35) Dibromofluoromethane	7.904	113	108290	52.819	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	= 105.640%		
50) Toluene-d8	10.325	98	353584	46.628	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	= 93.260%		
62) 4-Bromofluorobenzene	12.617	95	127022	45.455	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	= 90.900%		
Target Compounds						Qvalue
16) Acetone	4.161	43	7948	15.463	ug/l #	88
20) Methylene Chloride	4.960	84	13233	5.568	ug/l	92

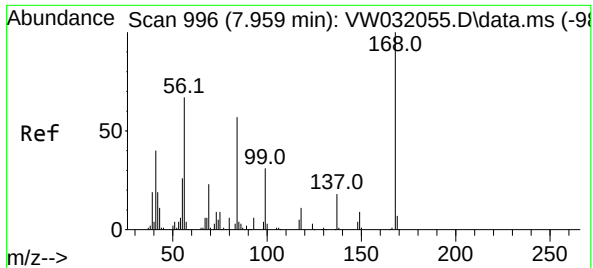
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
Data File : VW032096.D
Acq On : 14 Aug 2025 16:10
Operator : SY/MD
Sample : Q2820-13
Misc : 9.13g/5mL/MSVOA_W/SOIL/A
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
10P-W

Quant Time: Aug 18 03:54:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 12 04:04:48 2025
Response via : Initial Calibration

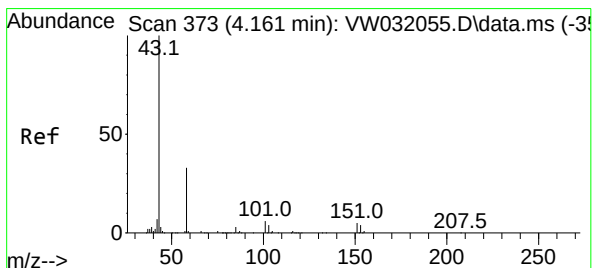
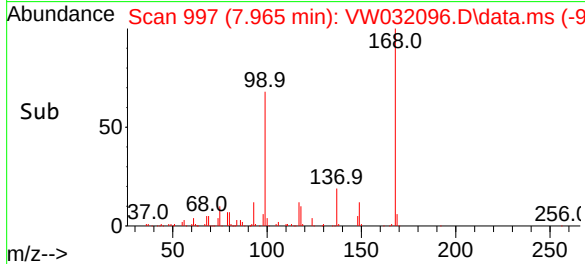
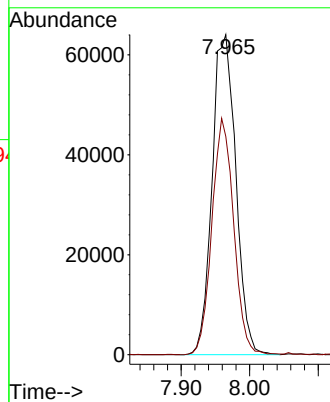
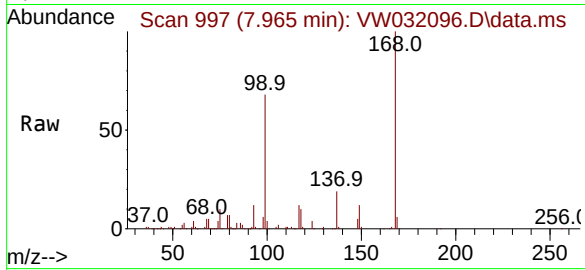




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 996
Delta R.T. 0.006 min
Lab File: VW032096.D
Acq: 14 Aug 2025 16:10

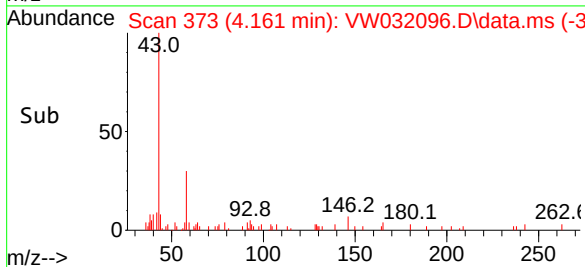
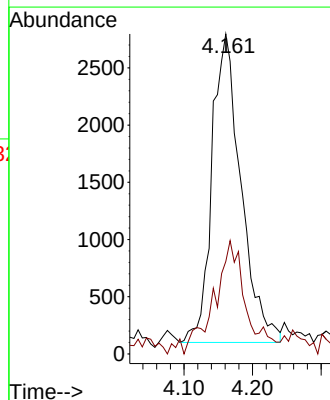
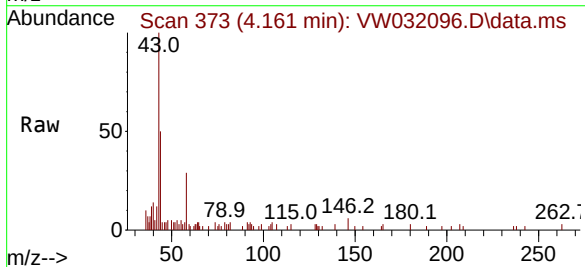
Instrument :
MSVOA_W
ClientSampleId :
10P-W

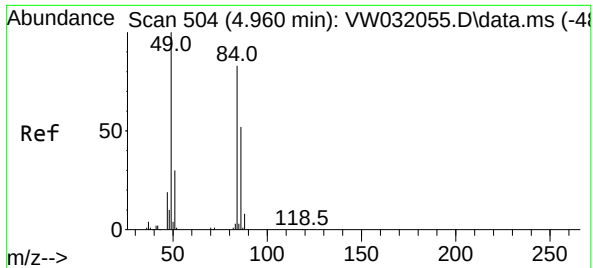
Tgt Ion:168 Resp: 153502
Ion Ratio Lower Upper
168 100
99 68.2 56.0 84.0



#16
Acetone
Concen: 15.463 ug/l
RT: 4.161 min Scan# 373
Delta R.T. -0.000 min
Lab File: VW032096.D
Acq: 14 Aug 2025 16:10

Tgt Ion: 43 Resp: 7948
Ion Ratio Lower Upper
43 100
58 26.1 26.6 39.8#

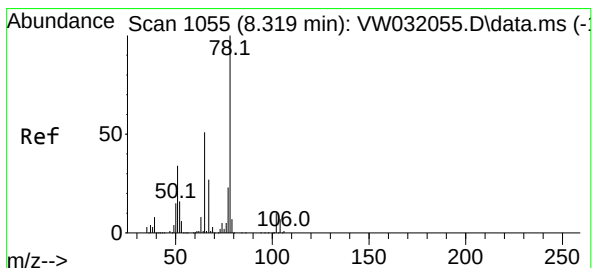
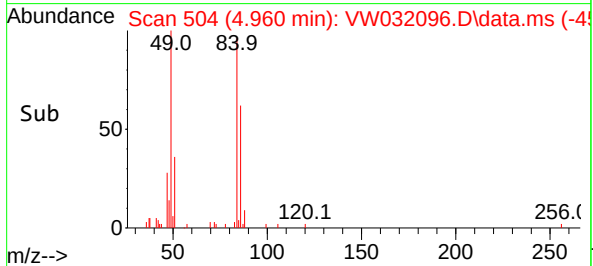
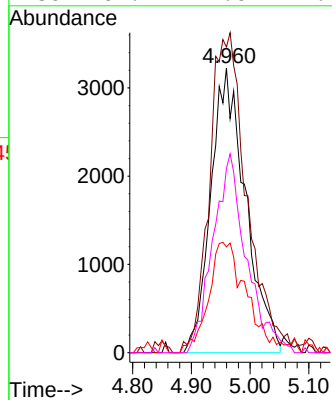
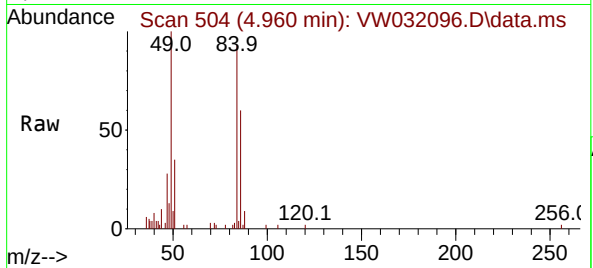




#20
Methylene Chloride
Concen: 5.568 ug/l
RT: 4.960 min Scan# 504
Delta R.T. -0.000 min
Lab File: VW032096.D
Acq: 14 Aug 2025 16:10

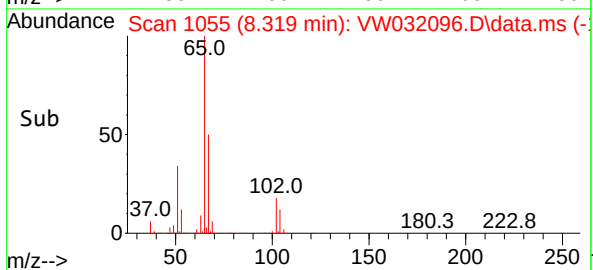
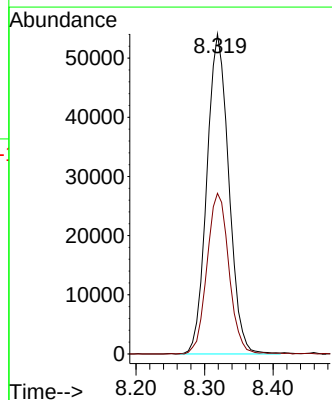
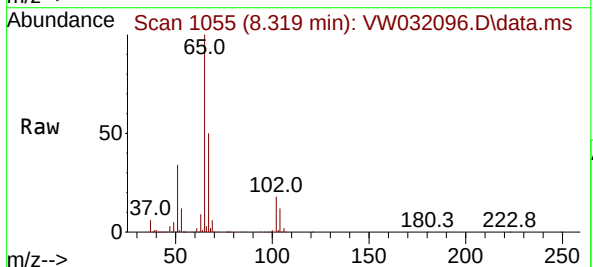
Instrument :
MSVOA_W
ClientSampleId :
10P-W

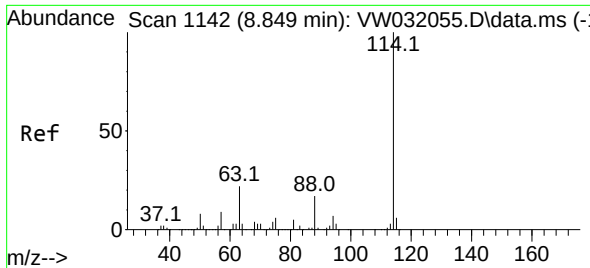
Tgt Ion:	84	Resp:	13233
Ion	Ratio	Lower	Upper
84	100		
49	107.3	95.9	143.9
51	37.1	28.6	43.0
86	64.7	49.6	74.4



#33
1,2-Dichloroethane-d4
Concen: 54.178 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VW032096.D
Acq: 14 Aug 2025 16:10

Tgt Ion:	65	Resp:	120279
Ion	Ratio	Lower	Upper
65	100		
67	50.3	0.0	102.4

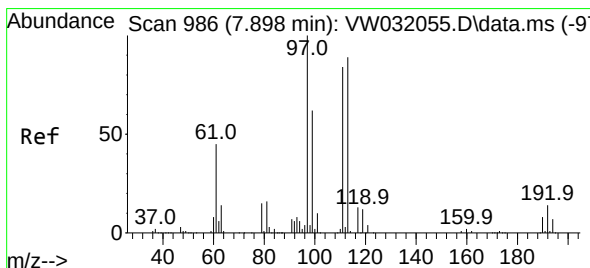
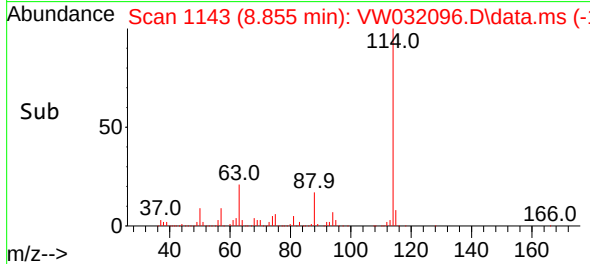
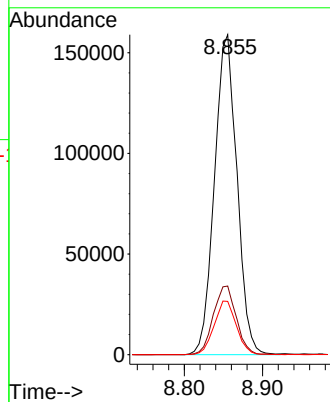
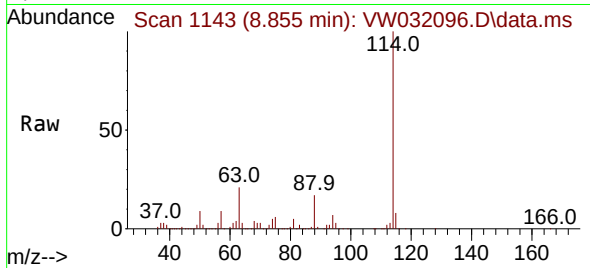




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.855 min Scan# 1142
Delta R.T. 0.006 min
Lab File: VW032096.D
Acq: 14 Aug 2025 16:10

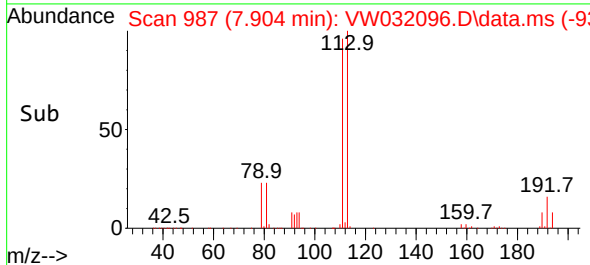
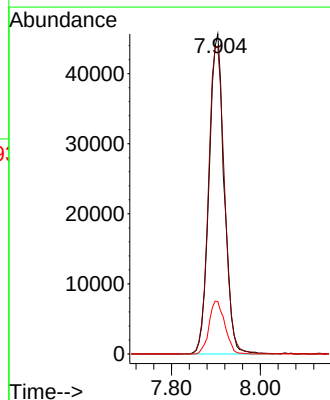
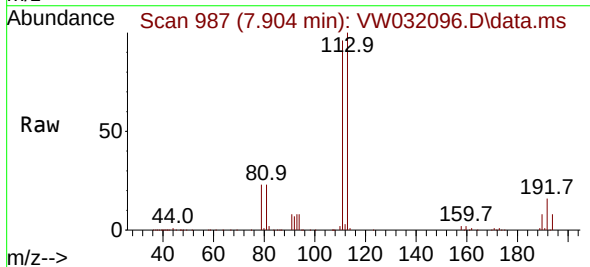
Instrument :
MSVOA_W
ClientSampleId :
10P-W

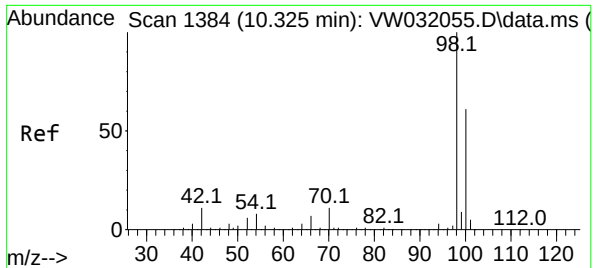
Tgt Ion:	114	Resp:	317351
Ion	Ratio	Lower	Upper
114	100		
63	21.4	0.0	43.0
88	16.7	0.0	33.8



#35
Dibromofluoromethane
Concen: 52.819 ug/l
RT: 7.904 min Scan# 987
Delta R.T. 0.006 min
Lab File: VW032096.D
Acq: 14 Aug 2025 16:10

Tgt Ion:	113	Resp:	108290
Ion	Ratio	Lower	Upper
113	100		
111	101.5	80.1	120.1
192	17.1	13.1	19.7





#50

Toluene-d8

Concen: 46.628 ug/l

RT: 10.325 min Scan# 1384

Delta R.T. -0.000 min

Lab File: VW032096.D

Acq: 14 Aug 2025 16:10

Instrument :

MSVOA_W

ClientSampleId :

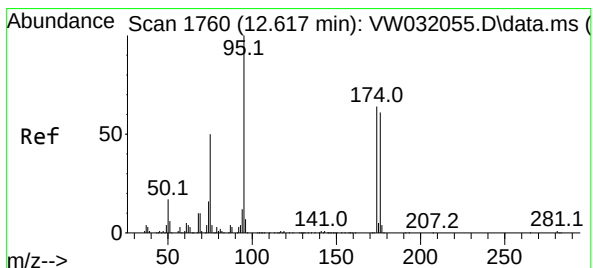
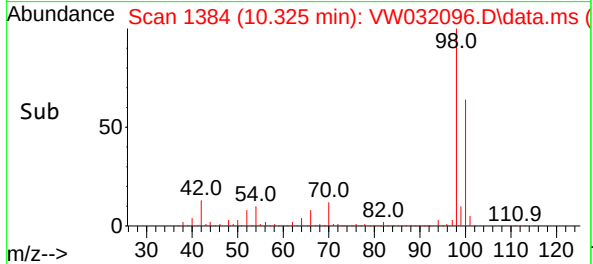
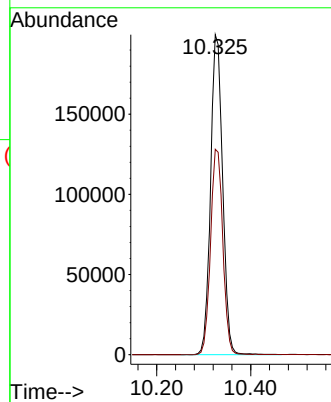
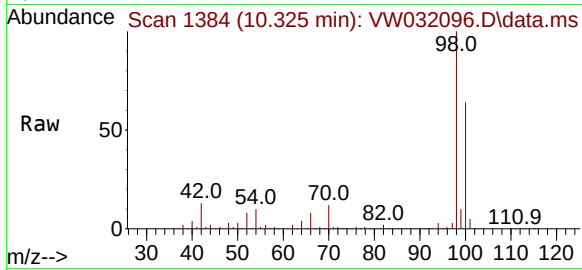
10P-W

Tgt Ion: 98 Resp: 353584

Ion Ratio Lower Upper

98 100

100 65.3 51.1 76.7



#62

4-Bromofluorobenzene

Concen: 45.455 ug/l

RT: 12.617 min Scan# 1760

Delta R.T. -0.000 min

Lab File: VW032096.D

Acq: 14 Aug 2025 16:10

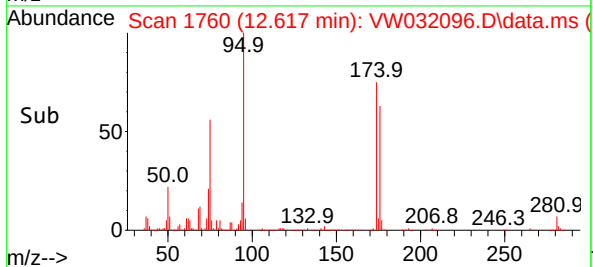
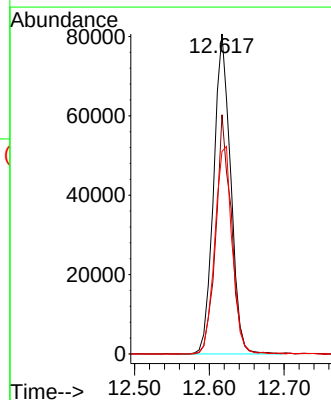
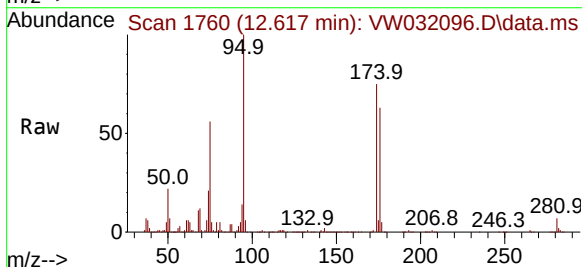
Tgt Ion: 95 Resp: 127022

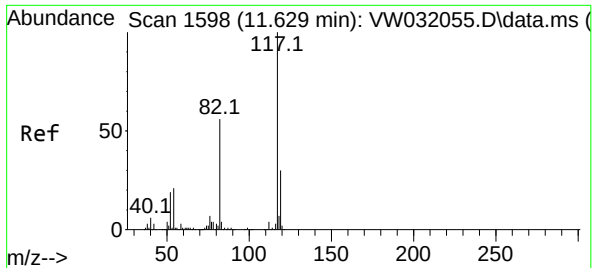
Ion Ratio Lower Upper

95 100

174 67.9 0.0 129.0

176 67.1 0.0 124.6

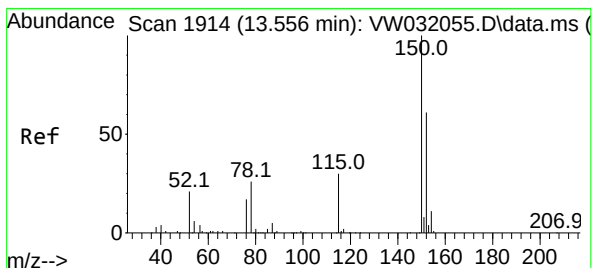
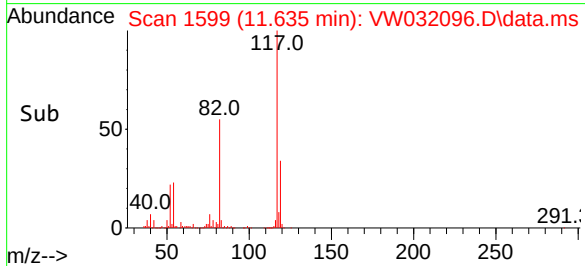
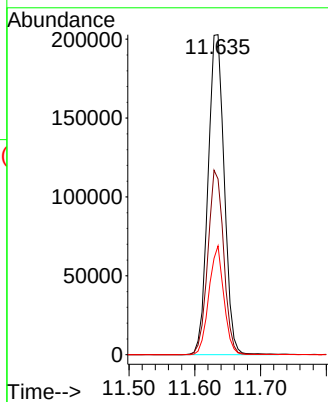
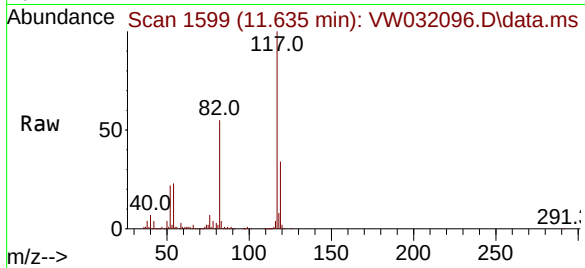




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 1599
Delta R.T. 0.006 min
Lab File: VW032096.D
Acq: 14 Aug 2025 16:10

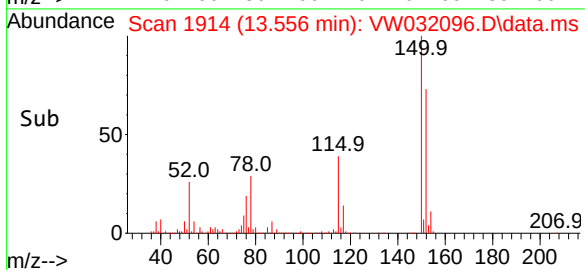
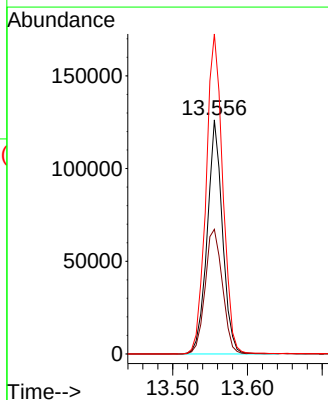
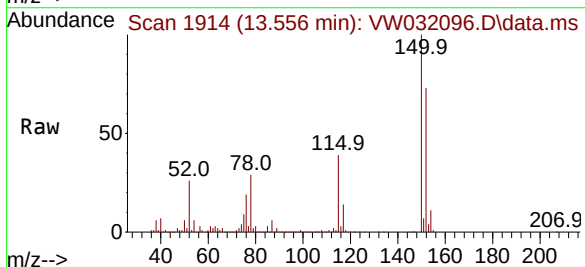
Instrument :
MSVOA_W
ClientSampleId :
10P-W

Tgt Ion	Ratio	Lower	Upper
117	100		
82	54.9	45.0	67.4
119	34.0	24.2	36.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. -0.000 min
Lab File: VW032096.D
Acq: 14 Aug 2025 16:10

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.3	32.6	97.8
150	149.2	0.0	359.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
Data File : VW032096.D
Acq On : 14 Aug 2025 16:10
Operator : SY/MD
Sample : Q2820-13
Misc : 9.13g/5mL/MSVOA_W/SOIL/A
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
10P-W

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M

Title : SW846 8260

Signal : TIC: VW032096.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.423	246	252	258	rBV7	5162	13040	1.15%	0.214%
2	4.167	369	374	382	rVB3	7124	17381	1.53%	0.285%
3	4.966	491	505	518	rBV3	13175	59492	5.25%	0.974%
4	5.972	659	670	682	rBV5	8470	27078	2.39%	0.443%
5	7.904	971	987	991	rBV	151006	367919	32.48%	6.026%
6	7.959	991	996	1007	rVB	220618	515882	45.54%	8.449%
7	8.319	1046	1055	1065	rBV2	146262	327486	28.91%	5.364%
8	8.855	1134	1143	1154	rBV	392875	801081	70.71%	13.120%
9	10.325	1376	1384	1401	rBV	545379	990626	87.44%	16.225%
10	11.629	1590	1598	1609	rBV	653676	1124021	99.22%	18.410%
11	12.617	1749	1760	1775	rBV2	422028	712240	62.87%	11.665%
12	13.556	1907	1914	1924	rVB	738274	1132875	100.00%	18.555%
13	14.062	1989	1997	2002	rBV	8336	16463	1.45%	0.270%

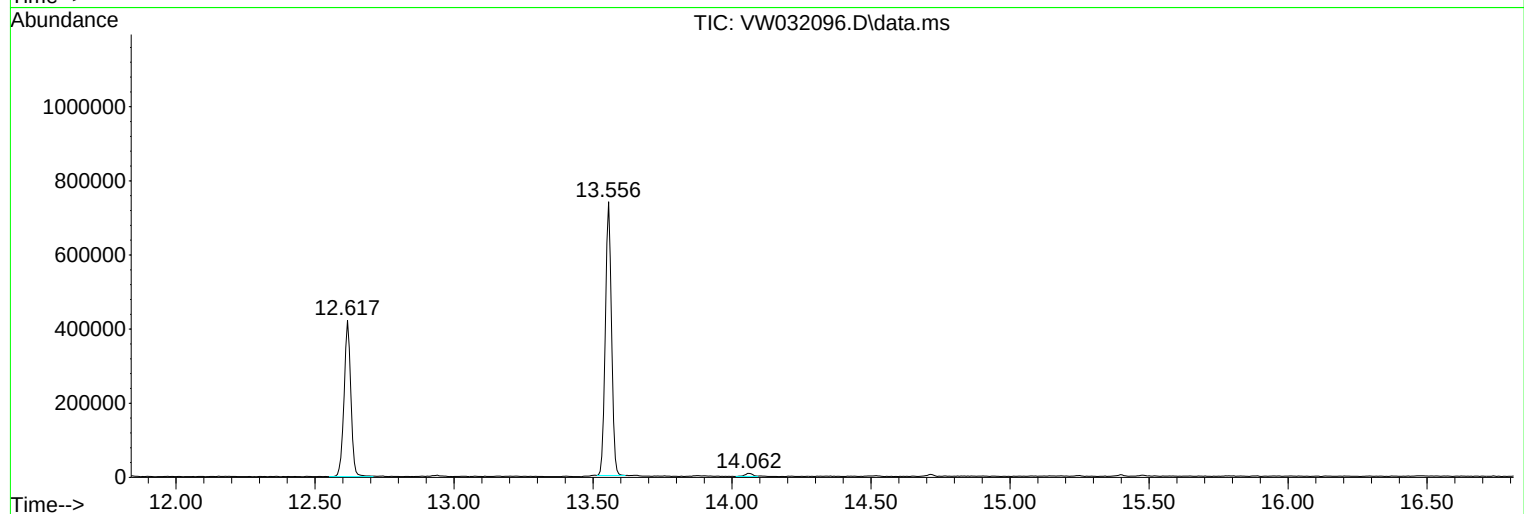
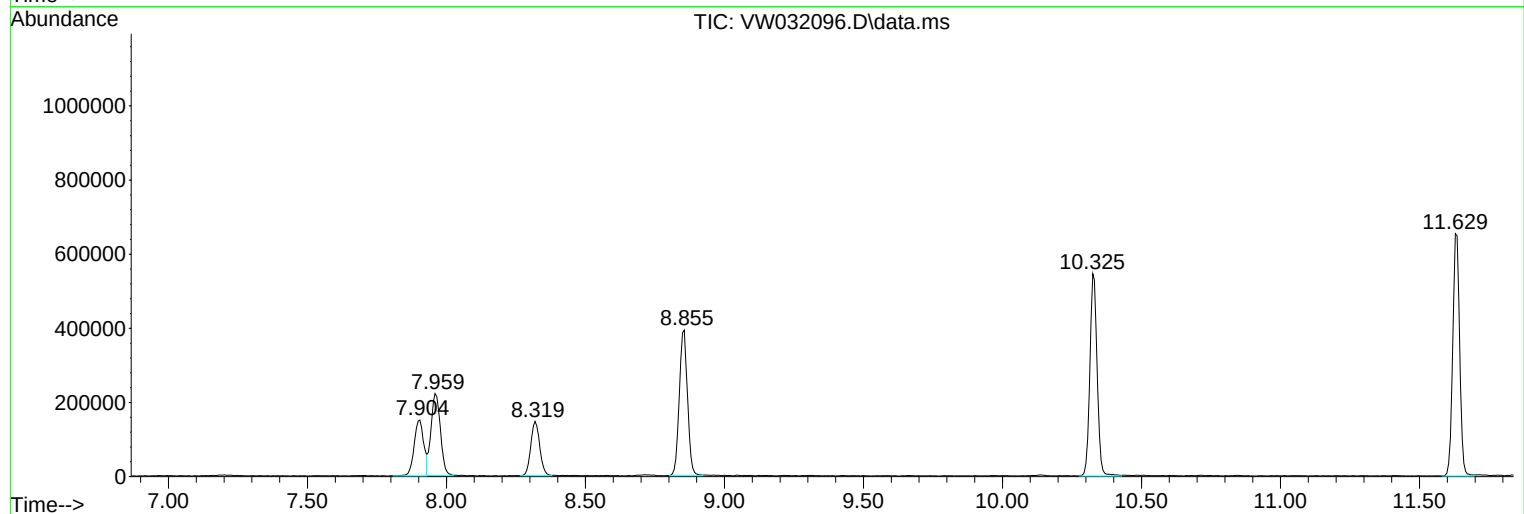
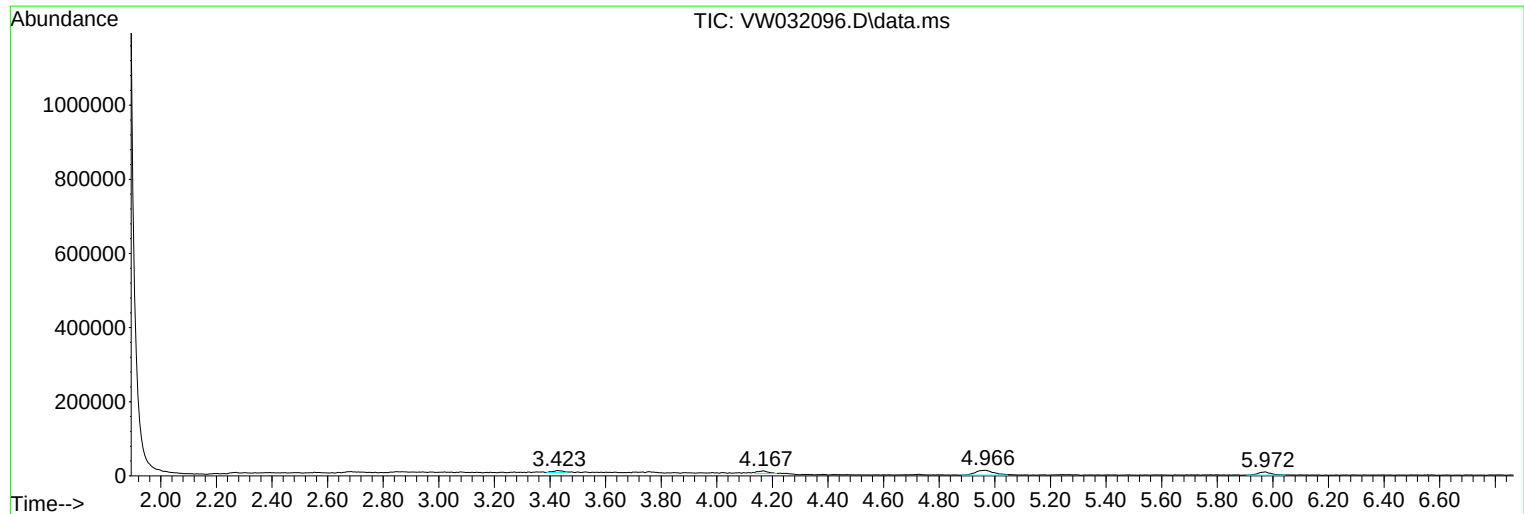
Sum of corrected areas: 6105584

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
Data File : VW032096.D
Acq On : 14 Aug 2025 16:10
Operator : SY/MD
Sample : Q2820-13
Misc : 9.13g/5mL/MSVOA_W/SOIL/A
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
10P-W

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
Data File : VW032096.D
Acq On : 14 Aug 2025 16:10
Operator : SY/MD
Sample : Q2820-13
Misc : 9.13g/5mL/MSVOA_W/SOIL/A
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
10P-W

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
Data File : VW032096.D
Acq On : 14 Aug 2025 16:10
Operator : SY/MD
Sample : Q2820-13
Misc : 9.13g/5mL/MSVOA_W/SOIL/A
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
10P-W

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260

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

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

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	10P-E	SDG No.:	Q2820
Lab Sample ID:	Q2820-14	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	81.3
Sample Wt/Vol:	7.65 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032097.D	1	08/14/25 16:32	VW081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	3.20	U	0.92	3.20	4.00	ug/Kg
74-87-3	Chloromethane	2.00	U	0.92	2.00	4.00	ug/Kg
75-01-4	Vinyl Chloride	2.00	U	0.64	2.00	4.00	ug/Kg
74-83-9	Bromomethane	3.20	U	0.86	3.20	4.00	ug/Kg
75-00-3	Chloroethane	2.00	U	1.00	2.00	4.00	ug/Kg
75-69-4	Trichlorofluoromethane	3.20	U	0.97	3.20	4.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	2.00	U	0.85	2.00	4.00	ug/Kg
75-35-4	1,1-Dichloroethene	2.00	U	0.80	2.00	4.00	ug/Kg
67-64-1	Acetone	16.1	U	3.80	16.1	20.1	ug/Kg
75-15-0	Carbon Disulfide	3.20	U	0.85	3.20	4.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	2.00	U	0.59	2.00	4.00	ug/Kg
79-20-9	Methyl Acetate	3.20	U	1.20	3.20	4.00	ug/Kg
75-09-2	Methylene Chloride	6.40	U	2.80	6.40	8.00	ug/Kg
156-60-5	trans-1,2-Dichloroethene	2.00	U	0.69	2.00	4.00	ug/Kg
75-34-3	1,1-Dichloroethane	2.00	U	0.64	2.00	4.00	ug/Kg
110-82-7	Cyclohexane	2.00	U	0.64	2.00	4.00	ug/Kg
78-93-3	2-Butanone	16.1	U	5.30	16.1	20.1	ug/Kg
56-23-5	Carbon Tetrachloride	2.00	U	0.78	2.00	4.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	2.00	U	0.60	2.00	4.00	ug/Kg
74-97-5	Bromochloromethane	3.20	U	0.92	3.20	4.00	ug/Kg
67-66-3	Chloroform	3.20	U	0.68	3.20	4.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	2.00	U	0.75	2.00	4.00	ug/Kg
108-87-2	Methylcyclohexane	2.00	U	0.73	2.00	4.00	ug/Kg
71-43-2	Benzene	2.00	U	0.64	2.00	4.00	ug/Kg
107-06-2	1,2-Dichloroethane	2.00	U	0.64	2.00	4.00	ug/Kg
79-01-6	Trichloroethene	2.00	U	0.65	2.00	4.00	ug/Kg
78-87-5	1,2-Dichloropropane	2.00	U	0.73	2.00	4.00	ug/Kg
75-27-4	Bromodichloromethane	2.00	U	0.63	2.00	4.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	10.0	U	2.90	10.0	20.1	ug/Kg
108-88-3	Toluene	2.00	U	0.63	2.00	4.00	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	10P-E	SDG No.:	Q2820
Lab Sample ID:	Q2820-14	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	81.3
Sample Wt/Vol:	7.65 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032097.D	1	08/14/25 16:32	VW081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	2.00	U	0.52	2.00	4.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	2.00	U	0.50	2.00	4.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	2.00	U	0.74	2.00	4.00	ug/Kg
591-78-6	2-Hexanone	10.0	U	3.00	10.0	20.1	ug/Kg
124-48-1	Dibromochloromethane	2.00	U	0.70	2.00	4.00	ug/Kg
106-93-4	1,2-Dibromoethane	2.00	U	0.71	2.00	4.00	ug/Kg
127-18-4	Tetrachloroethene	2.00	U	0.84	2.00	4.00	ug/Kg
108-90-7	Chlorobenzene	2.00	U	0.73	2.00	4.00	ug/Kg
100-41-4	Ethyl Benzene	2.00	U	0.54	2.00	4.00	ug/Kg
179601-23-1	m/p-Xylenes	4.00	U	1.00	4.00	8.00	ug/Kg
95-47-6	o-Xylene	2.00	U	0.66	2.00	4.00	ug/Kg
100-42-5	Styrene	2.00	U	0.57	2.00	4.00	ug/Kg
75-25-2	Bromoform	2.00	U	0.69	2.00	4.00	ug/Kg
98-82-8	Isopropylbenzene	2.00	U	0.63	2.00	4.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	2.00	U	0.97	2.00	4.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	2.00	U	1.40	2.00	4.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	2.00	U	1.30	2.00	4.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	2.00	U	1.20	2.00	4.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.20	U	1.50	3.20	4.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.20	U	2.40	3.20	4.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.20	U	2.60	3.20	4.00	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	61.1		71 - 136		122%	SPK: 50
1868-53-7	Dibromofluoromethane	53.1		78 - 119		106%	SPK: 50
2037-26-5	Toluene-d8	47.7		85 - 116		95%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.1		79 - 119		90%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	132000	7.959				
540-36-3	1,4-Difluorobenzene	288000	8.849				
3114-55-4	Chlorobenzene-d5	286000	11.635				
3855-82-1	1,4-Dichlorobenzene-d4	140000	13.556				

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	10P-E	SDG No.:	Q2820
Lab Sample ID:	Q2820-14	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	81.3
Sample Wt/Vol:	7.65 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032097.D	1	08/14/25 16:32	VW081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
------------	-----------	-------	-----------	-----	-----	------------	-------

U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 E = Value Exceeds Calibration Range
 Q = indicates LCS control criteria did not meet requirements
 M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 N = Presumptive Evidence of a Compound
 * = Values outside of QC limits
 D = Dilution
 () = Laboratory InHouse Limit
 A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
Data File : VW032097.D
Acq On : 14 Aug 2025 16:32
Operator : SY/MD
Sample : Q2820-14
Misc : 7.65g/5mL/MSVOA_W/SOIL/A
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
10P-E

Quant Time: Aug 18 03:54:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 12 04:04:48 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.959	168	132278	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	288474	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	286427	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	140063	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	116875	61.092	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	122.180%
35) Dibromofluoromethane	7.904	113	98877	53.055	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	106.120%
50) Toluene-d8	10.331	98	328487	47.654	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	95.300%
62) 4-Bromofluorobenzene	12.617	95	114543	45.092	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	90.180%

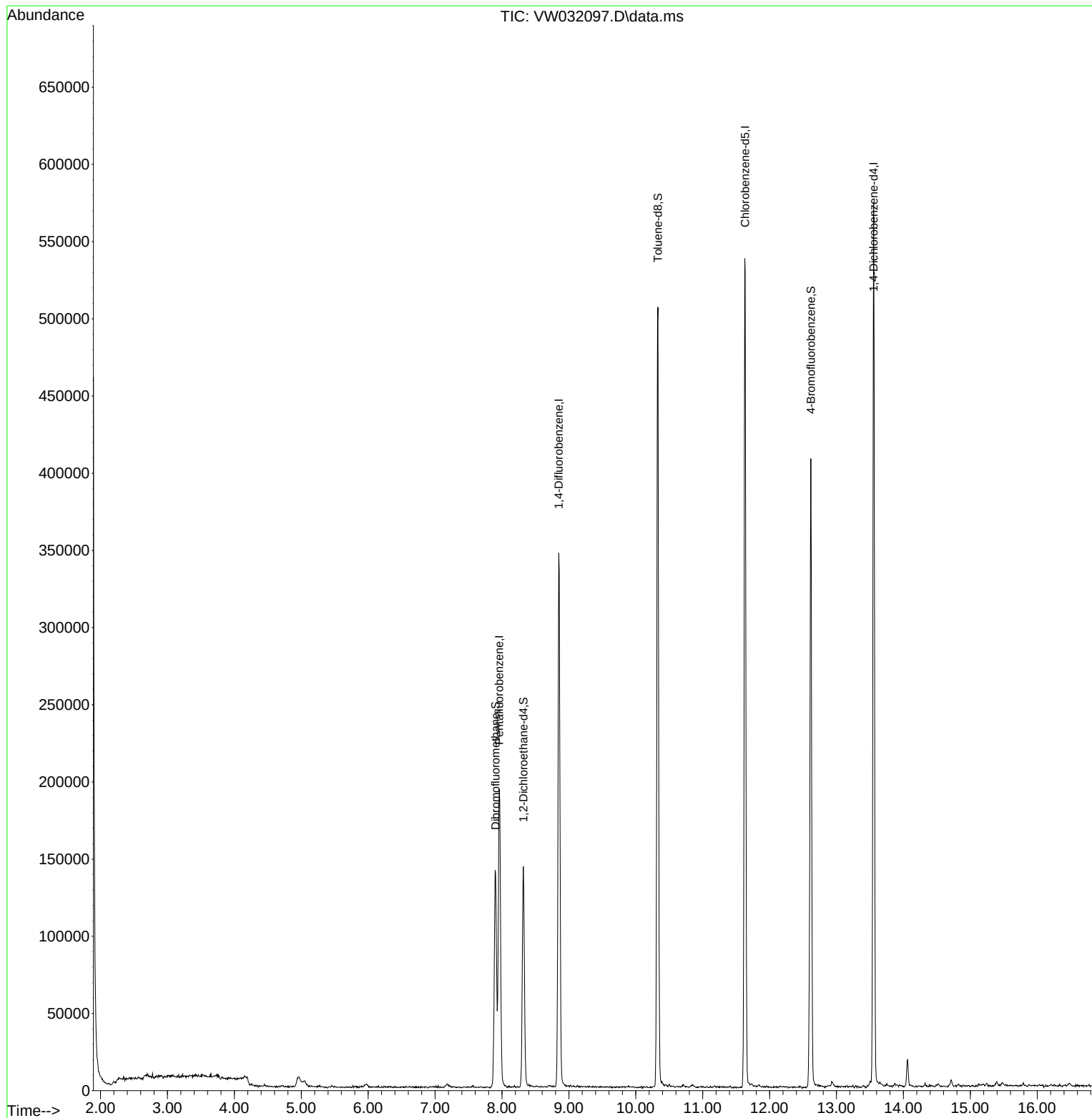
Target Compounds	Qvalue
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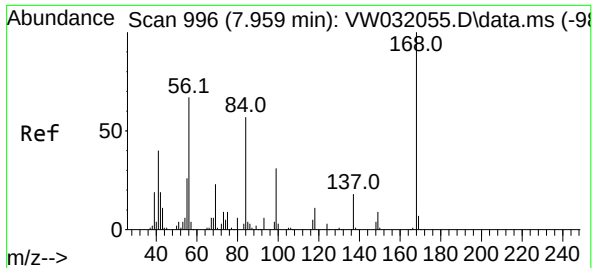
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
Data File : VW032097.D
Acq On : 14 Aug 2025 16:32
Operator : SY/MD
Sample : Q2820-14
Misc : 7.65g/5mL/MSVOA_W/SOIL/A
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
10P-E

Quant Time: Aug 18 03:54:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 12 04:04:48 2025
Response via : Initial Calibration

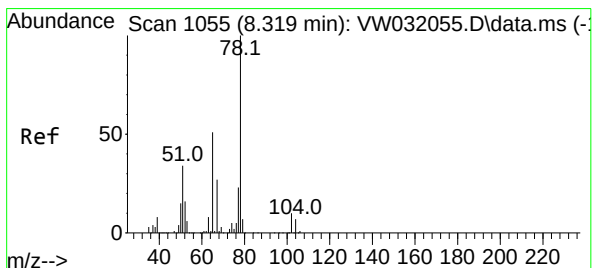
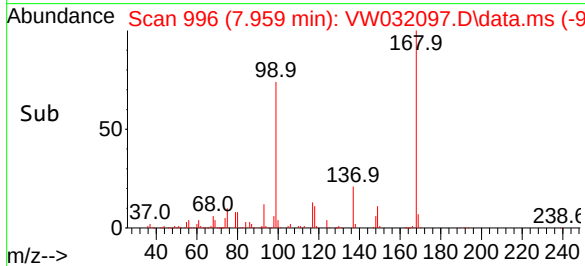
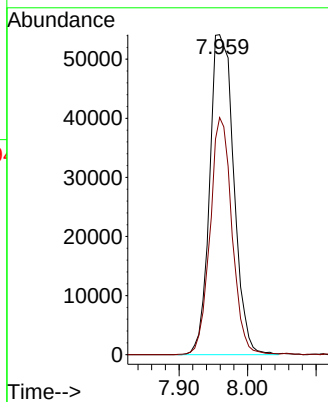
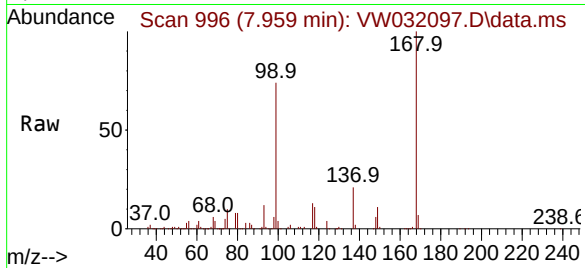




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 996
Delta R.T. 0.000 min
Lab File: VW032097.D
Acq: 14 Aug 2025 16:32

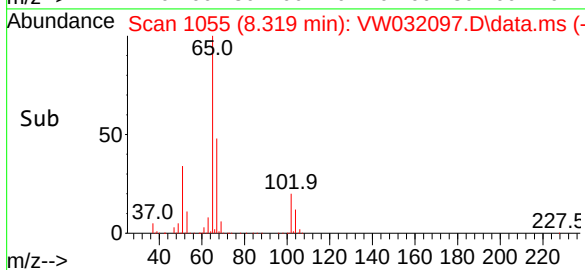
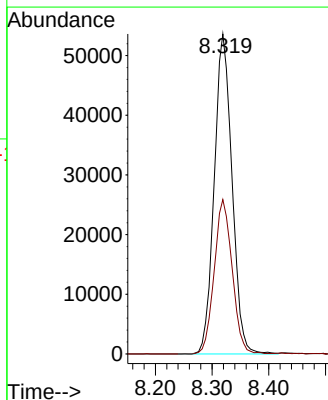
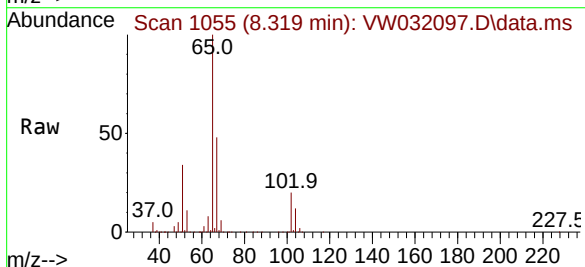
Instrument :
MSVOA_W
ClientSampleId :
10P-E

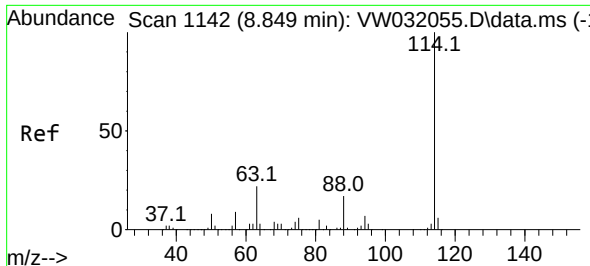
Tgt Ion:168 Resp: 132278
Ion Ratio Lower Upper
168 100
99 74.0 56.0 84.0



#33
1,2-Dichloroethane-d4
Concen: 61.092 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VW032097.D
Acq: 14 Aug 2025 16:32

Tgt Ion: 65 Resp: 116875
Ion Ratio Lower Upper
65 100
67 48.7 0.0 102.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.849 min Scan# 1142

Delta R.T. -0.000 min

Lab File: VW032097.D

Acq: 14 Aug 2025 16:32

Instrument :

MSVOA_W

ClientSampleId :

10P-E

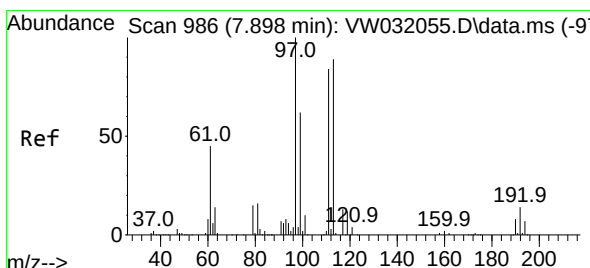
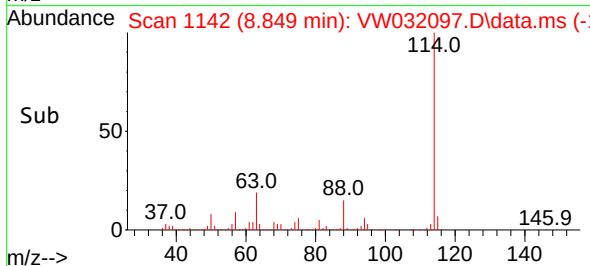
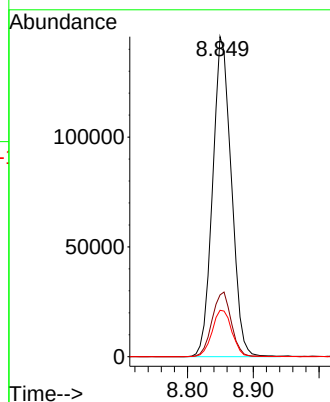
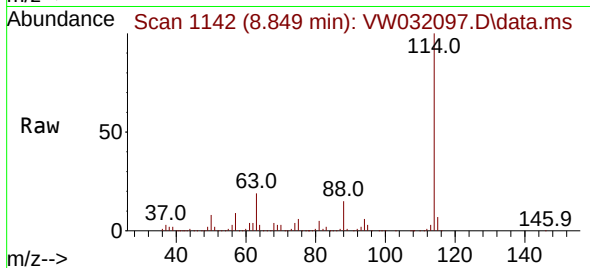
Tgt Ion:114 Resp: 288474

Ion Ratio Lower Upper

114 100

63 19.3 0.0 43.0

88 14.5 0.0 33.8



#35

Dibromofluoromethane

Concen: 53.055 ug/l

RT: 7.904 min Scan# 987

Delta R.T. 0.006 min

Lab File: VW032097.D

Acq: 14 Aug 2025 16:32

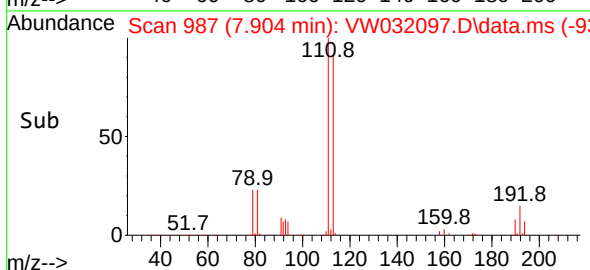
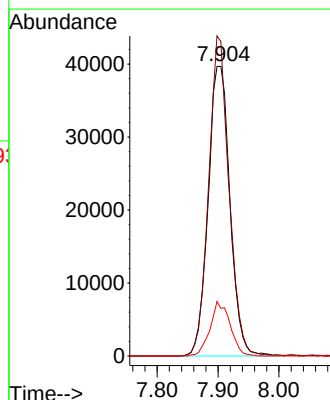
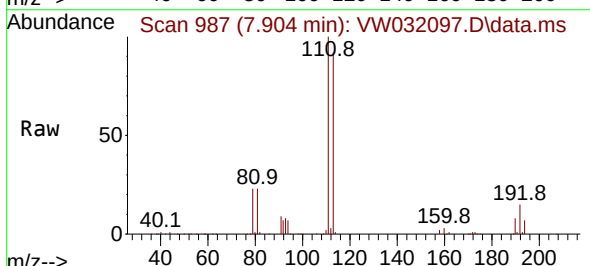
Tgt Ion:113 Resp: 98877

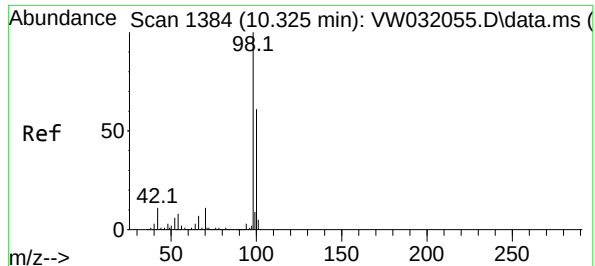
Ion Ratio Lower Upper

113 100

111 102.9 80.1 120.1

192 17.3 13.1 19.7





#50

Toluene-d8

Concen: 47.654 ug/l

RT: 10.331 min Scan# 1385

Delta R.T. 0.006 min

Lab File: VW032097.D

Acq: 14 Aug 2025 16:32

Instrument :

MSVOA_W

ClientSampleId :

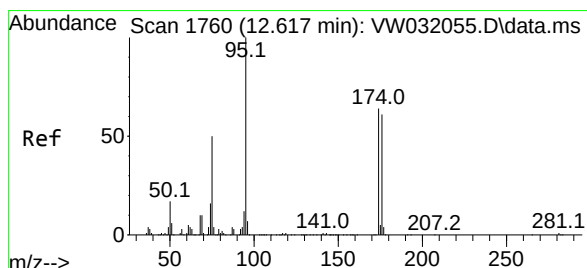
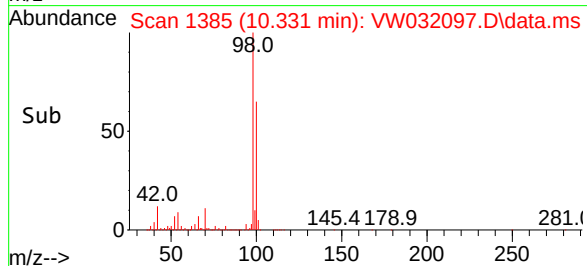
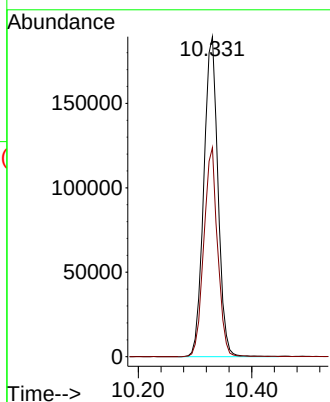
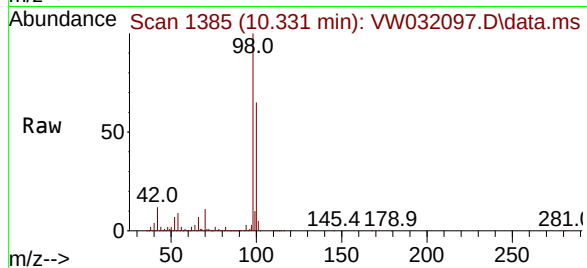
10P-E

Tgt Ion: 98 Resp: 328487

Ion Ratio Lower Upper

98 100

100 63.7 51.1 76.7



#62

4-Bromofluorobenzene

Concen: 45.092 ug/l

RT: 12.617 min Scan# 1760

Delta R.T. -0.000 min

Lab File: VW032097.D

Acq: 14 Aug 2025 16:32

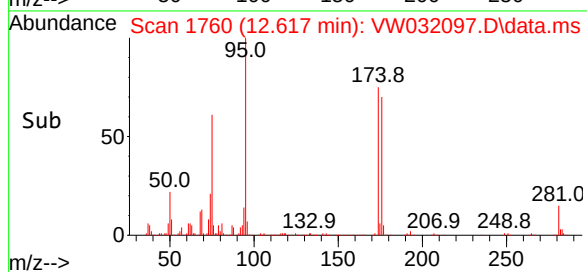
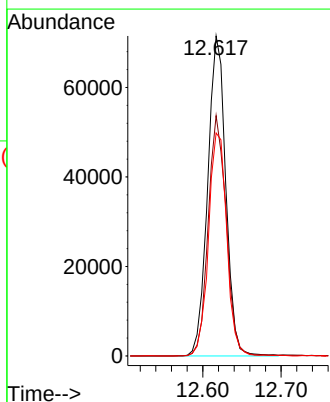
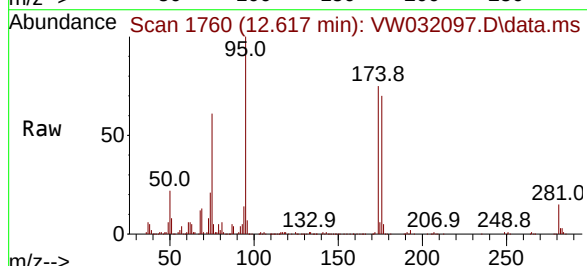
Tgt Ion: 95 Resp: 114543

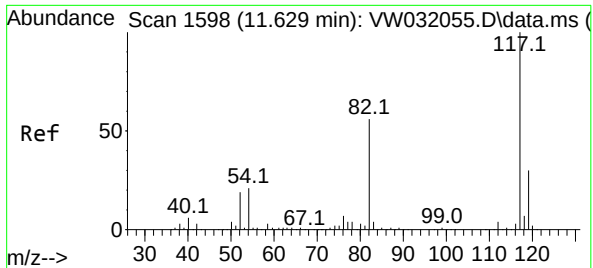
Ion Ratio Lower Upper

95 100

174 75.5 0.0 129.0

176 70.5 0.0 124.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.635 min Scan# 11

Delta R.T. 0.006 min

Lab File: VW032097.D

Acq: 14 Aug 2025 16:32

Instrument :

MSVOA_W

ClientSampleId :

10P-E

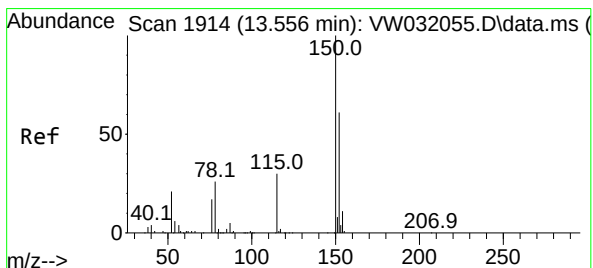
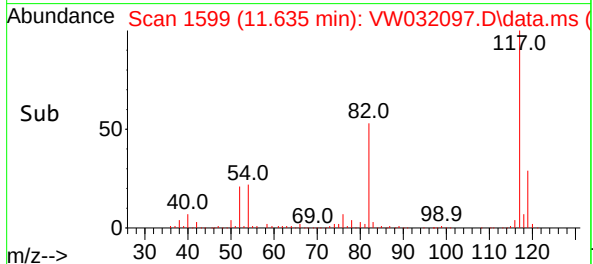
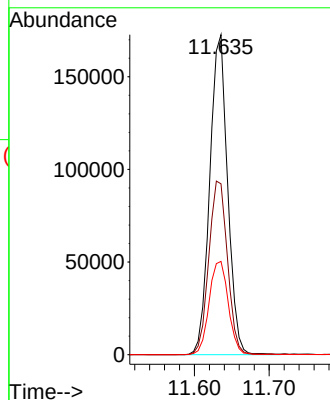
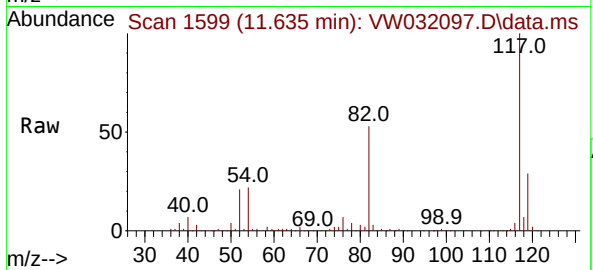
Tgt Ion:117 Resp: 286427

Ion Ratio Lower Upper

117 100

82 53.3 45.0 67.4

119 29.2 24.2 36.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.556 min Scan# 1914

Delta R.T. -0.000 min

Lab File: VW032097.D

Acq: 14 Aug 2025 16:32

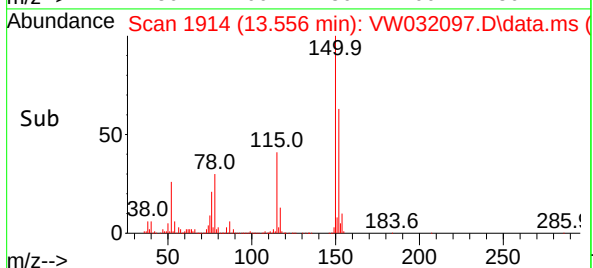
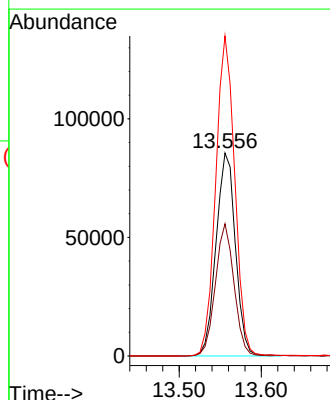
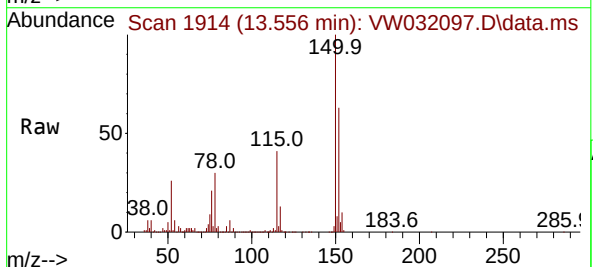
Tgt Ion:152 Resp: 140063

Ion Ratio Lower Upper

152 100

115 62.7 32.6 97.8

150 155.1 0.0 359.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
Data File : VW032097.D
Acq On : 14 Aug 2025 16:32
Operator : SY/MD
Sample : Q2820-14
Misc : 7.65g/5mL/MSVOA_W/SOIL/A
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
10P-E

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M

Title : SW846 8260

Signal : TIC: VW032097.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.960	493	504	512	rBV6	6455	26250	2.83%	0.492%
2	7.898	976	986	991	rBV	140621	335224	36.10%	6.280%
3	7.959	991	996	1009	rVB	192462	452509	48.73%	8.477%
4	8.319	1046	1055	1067	rBV	143115	317360	34.17%	5.945%
5	8.849	1134	1142	1157	rBV	345595	706343	76.06%	13.232%
6	10.331	1376	1385	1393	rBV	505042	895154	96.39%	16.769%
7	11.629	1590	1598	1607	rBV	537062	928694	100.00%	17.398%
8	12.617	1748	1760	1771	rBV2	407797	728644	78.46%	13.650%
9	13.556	1907	1914	1922	rBV	569922	905605	97.51%	16.965%
10	14.062	1989	1997	2002	rBV2	17661	31839	3.43%	0.596%
11	14.714	2096	2104	2110	rBV9	4613	10452	1.13%	0.196%

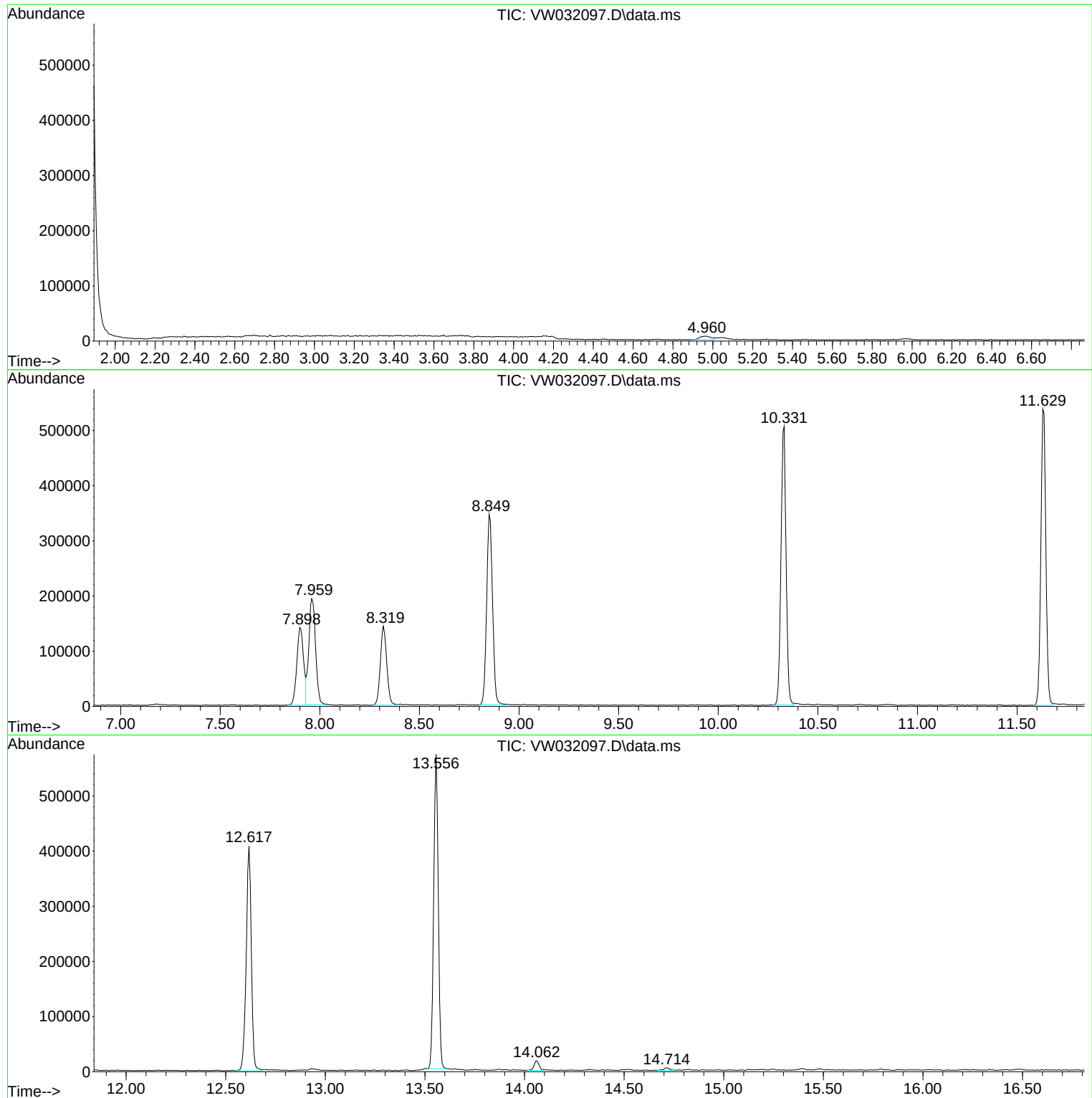
Sum of corrected areas: 5338074

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
Data File : VW032097.D
Acq On : 14 Aug 2025 16:32
Operator : SY/MD
Sample : Q2820-14
Misc : 7.65g/5mL/MSVOA_W/SOIL/A
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
10P-E

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
Data File : VW032097.D
Acq On : 14 Aug 2025 16:32
Operator : SY/MD
Sample : Q2820-14
Misc : 7.65g/5mL/MSVOA_W/SOIL/A
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
10P-E

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
Data File : VW032097.D
Acq On : 14 Aug 2025 16:32
Operator : SY/MD
Sample : Q2820-14
Misc : 7.65g/5mL/MSVOA_W/SOIL/A
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
10P-E

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260

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

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

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	10P-S	SDG No.:	Q2820
Lab Sample ID:	Q2820-15	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	88.5
Sample Wt/Vol:	7.75 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY023142.D	1	08/19/25 11:44	VY081925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	2.90	U	0.83	2.90	3.60	ug/Kg
74-87-3	Chloromethane	1.80	U	0.83	1.80	3.60	ug/Kg
75-01-4	Vinyl Chloride	1.80	U	0.58	1.80	3.60	ug/Kg
74-83-9	Bromomethane	2.90	U	0.78	2.90	3.60	ug/Kg
75-00-3	Chloroethane	1.80	U	0.92	1.80	3.60	ug/Kg
75-69-4	Trichlorofluoromethane	2.90	U	0.88	2.90	3.60	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.80	U	0.77	1.80	3.60	ug/Kg
75-35-4	1,1-Dichloroethene	1.80	U	0.73	1.80	3.60	ug/Kg
67-64-1	Acetone	14.6	U	3.50	14.6	18.2	ug/Kg
75-15-0	Carbon Disulfide	2.90	U	0.77	2.90	3.60	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.80	U	0.53	1.80	3.60	ug/Kg
79-20-9	Methyl Acetate	2.90	U	1.10	2.90	3.60	ug/Kg
75-09-2	Methylene Chloride	5.80	U	2.60	5.80	7.30	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.80	U	0.63	1.80	3.60	ug/Kg
75-34-3	1,1-Dichloroethane	1.80	U	0.58	1.80	3.60	ug/Kg
110-82-7	Cyclohexane	1.80	U	0.58	1.80	3.60	ug/Kg
78-93-3	2-Butanone	14.6	U	4.80	14.6	18.2	ug/Kg
56-23-5	Carbon Tetrachloride	1.80	U	0.71	1.80	3.60	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1.80	U	0.55	1.80	3.60	ug/Kg
74-97-5	Bromochloromethane	2.90	U	0.84	2.90	3.60	ug/Kg
67-66-3	Chloroform	2.90	U	0.61	2.90	3.60	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.80	U	0.68	1.80	3.60	ug/Kg
108-87-2	Methylcyclohexane	1.80	U	0.66	1.80	3.60	ug/Kg
71-43-2	Benzene	1.80	U	0.58	1.80	3.60	ug/Kg
107-06-2	1,2-Dichloroethane	1.80	U	0.58	1.80	3.60	ug/Kg
79-01-6	Trichloroethene	1.80	U	0.59	1.80	3.60	ug/Kg
78-87-5	1,2-Dichloropropane	1.80	U	0.66	1.80	3.60	ug/Kg
75-27-4	Bromodichloromethane	1.80	U	0.57	1.80	3.60	ug/Kg
108-10-1	4-Methyl-2-Pentanone	9.10	U	2.60	9.10	18.2	ug/Kg
108-88-3	Toluene	1.80	U	0.57	1.80	3.60	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	10P-S	SDG No.:	Q2820
Lab Sample ID:	Q2820-15	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	88.5
Sample Wt/Vol:	7.75 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY023142.D	1	08/19/25 11:44	VY081925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	1.80	U	0.47	1.80	3.60	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.80	U	0.45	1.80	3.60	ug/Kg
79-00-5	1,1,2-Trichloroethane	1.80	U	0.67	1.80	3.60	ug/Kg
591-78-6	2-Hexanone	9.10	U	2.70	9.10	18.2	ug/Kg
124-48-1	Dibromochloromethane	1.80	U	0.63	1.80	3.60	ug/Kg
106-93-4	1,2-Dibromoethane	1.80	U	0.64	1.80	3.60	ug/Kg
127-18-4	Tetrachloroethene	1.80	U	0.77	1.80	3.60	ug/Kg
108-90-7	Chlorobenzene	1.80	U	0.66	1.80	3.60	ug/Kg
100-41-4	Ethyl Benzene	1.80	U	0.49	1.80	3.60	ug/Kg
179601-23-1	m/p-Xylenes	3.60	U	0.90	3.60	7.30	ug/Kg
95-47-6	o-Xylene	1.80	U	0.60	1.80	3.60	ug/Kg
100-42-5	Styrene	1.80	U	0.52	1.80	3.60	ug/Kg
75-25-2	Bromoform	1.80	U	0.63	1.80	3.60	ug/Kg
98-82-8	Isopropylbenzene	1.80	U	0.57	1.80	3.60	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.80	U	0.88	1.80	3.60	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.80	U	1.20	1.80	3.60	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.80	U	1.10	1.80	3.60	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.80	U	1.10	1.80	3.60	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	2.90	U	1.30	2.90	3.60	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2.90	U	2.20	2.90	3.60	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	2.90	U	2.30	2.90	3.60	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	53.2		71 - 136		106%	SPK: 50
1868-53-7	Dibromofluoromethane	52.6		78 - 119		105%	SPK: 50
2037-26-5	Toluene-d8	51.2		85 - 116		102%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.2		79 - 119		100%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	633000	7.707				
540-36-3	1,4-Difluorobenzene	1170000	8.615				
3114-55-4	Chlorobenzene-d5	1040000	11.413				
3855-82-1	1,4-Dichlorobenzene-d4	448000	13.346				
TENTATIVE IDENTIFIED COMPOUNDS							

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	10P-S	SDG No.:	Q2820
Lab Sample ID:	Q2820-15	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	88.5
Sample Wt/Vol:	7.75 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY023142.D	1	08/19/25 11:44	VY081925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
004057-42-5	2-Octene, 2,6-dimethyl-	11.5	J			12.6	ug/Kg
	unknown12.651	6.90	J			12.7	ug/Kg
	unknown12.730	15.0	J			12.7	ug/Kg
1000195-06-9	3,4-Dimethylpent-2-en-1-ol	9.20	J			13.0	ug/Kg
001678-98-4	Cyclohexane, (2-methylpropyl)-	13.5	J			13.2	ug/Kg
1000372-78-8	Isobutyl undecyl carbonate	6.60	J			13.3	ug/Kg
071186-27-1	1-Ethyl-2,2,6-trimethylcyclohexane	6.10	J			13.5	ug/Kg
000091-17-8	Naphthalene, decahydro-	19.2	J			13.7	ug/Kg
002958-76-1	Naphthalene, decahydro-2-methyl-	12.8	J			14.2	ug/Kg
1000155-85-6	cis-Decalin, 2-syn-methyl-	6.20	J			14.3	ug/Kg

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081925\
Data File : VY023142.D
Acq On : 19 Aug 2025 11:44
Operator : SY/MD
Sample : Q2820-15
Misc : 7.75g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
10P-S

Quant Time: Aug 20 01:27:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

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

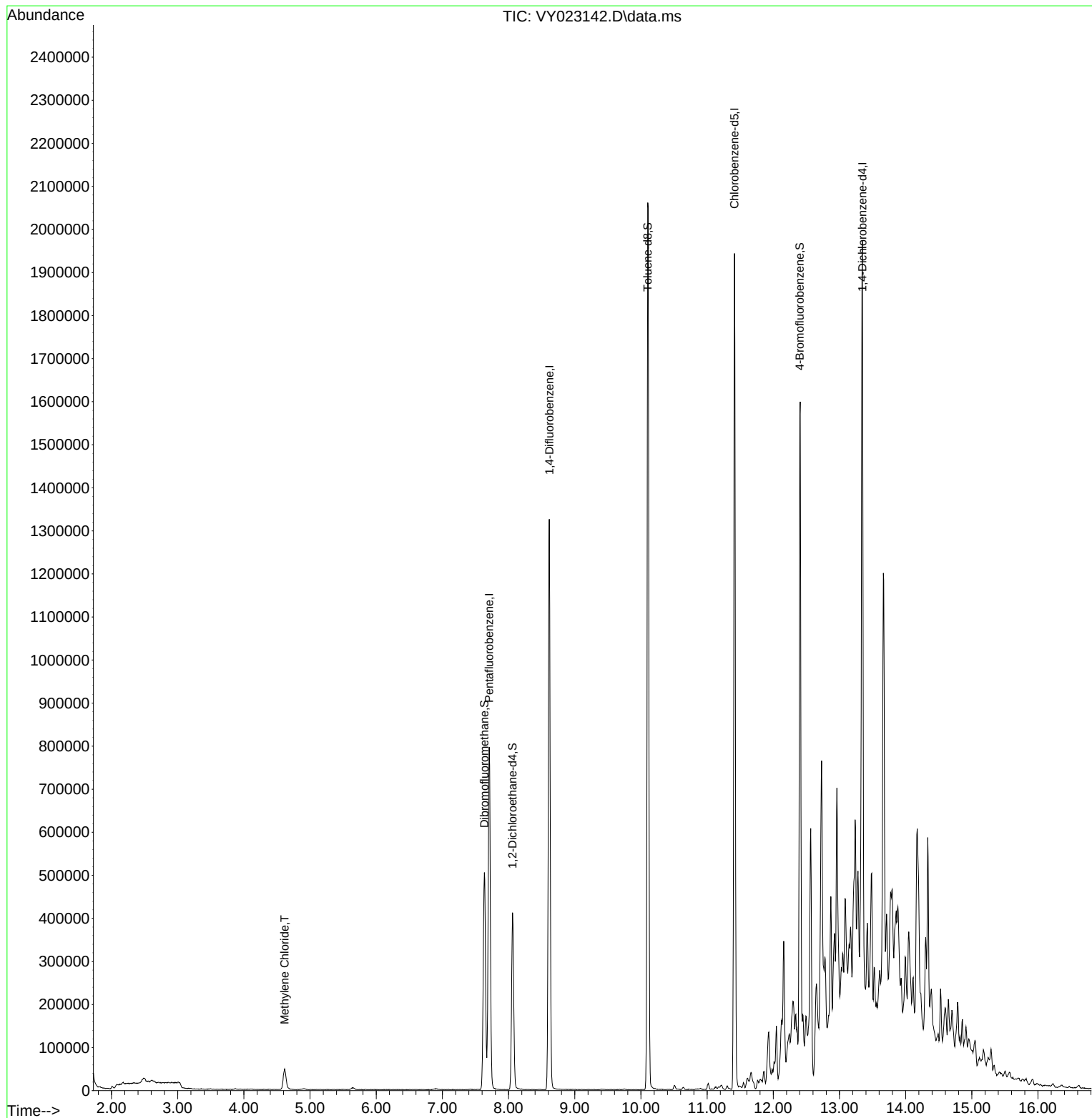
Internal Standards						
1) Pentafluorobenzene	7.707	168	632809	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	1165930	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.413	117	1040807	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	447912	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.060	65	320627	53.162	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 106.320%	
35) Dibromofluoromethane	7.634	113	366670	52.557	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 105.120%	
50) Toluene-d8	10.103	98	1396429	51.237	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 102.480%	
62) 4-Bromofluorobenzene	12.401	95	439799	50.177	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 100.360%	
Target Compounds						Qvalue
20) Methylene Chloride	4.616	84	36231	2.769	ug/l	92

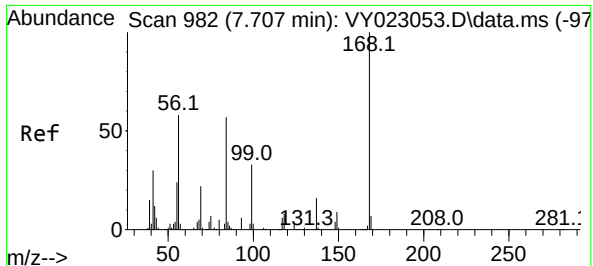
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081925\
Data File : VY023142.D
Acq On : 19 Aug 2025 11:44
Operator : SY/MD
Sample : Q2820-15
Misc : 7.75g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
10P-S

Quant Time: Aug 20 01:27:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

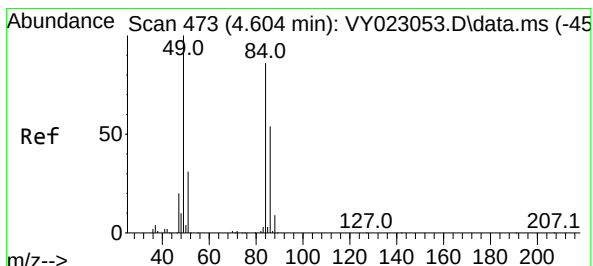
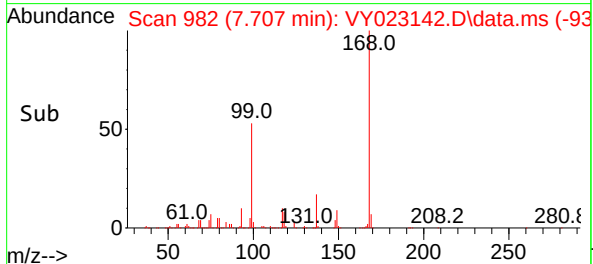
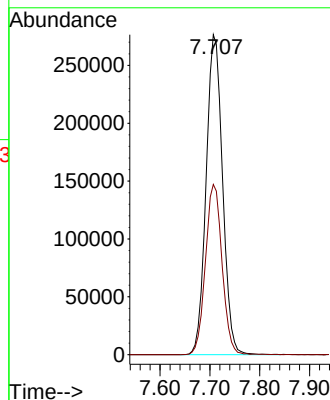
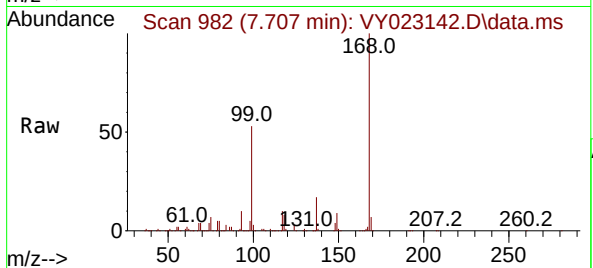




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY023142.D
Acq: 19 Aug 2025 11:44

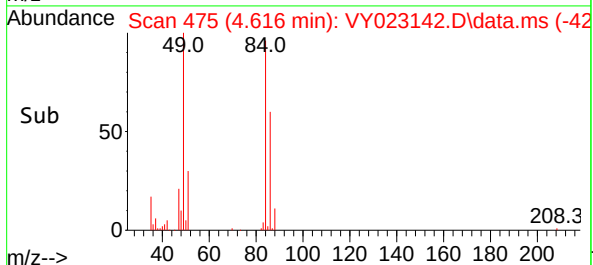
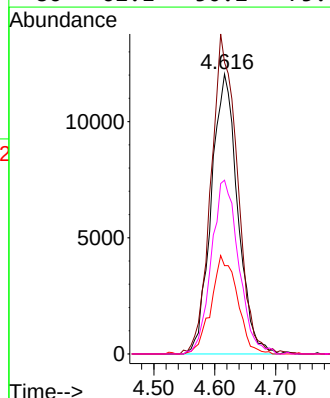
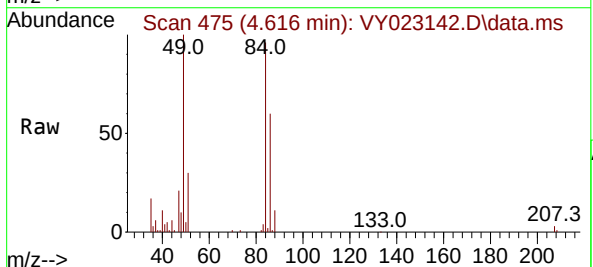
Instrument :
MSVOA_Y
ClientSampleId :
10P-S

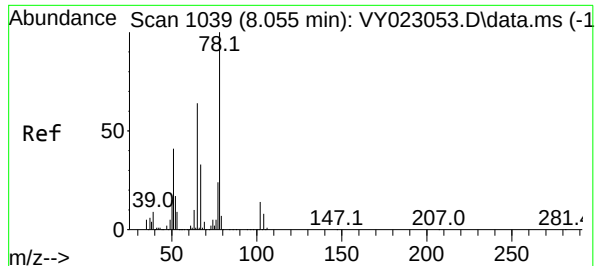
Tgt Ion:168 Resp: 632809
Ion Ratio Lower Upper
168 100
99 53.2 42.8 64.2



#20
Methylene Chloride
Concen: 2.769 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.012 min
Lab File: VY023142.D
Acq: 19 Aug 2025 11:44

Tgt Ion: 84 Resp: 36231
Ion Ratio Lower Upper
84 100
49 104.2 93.0 139.6
51 31.6 29.0 43.4
86 62.1 50.2 75.4





#33

1,2-Dichloroethane-d4

Concen: 53.162 ug/l

RT: 8.060 min Scan# 1039

Delta R.T. 0.006 min

Lab File: VY023142.D

Acq: 19 Aug 2025 11:44

Instrument :

MSVOA_Y

ClientSampleId :

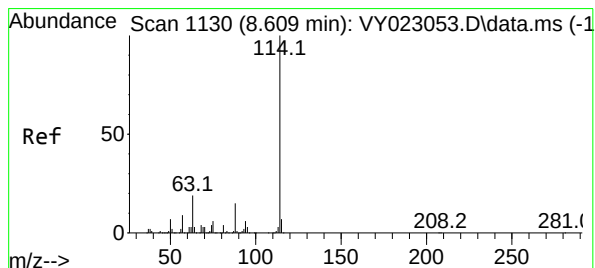
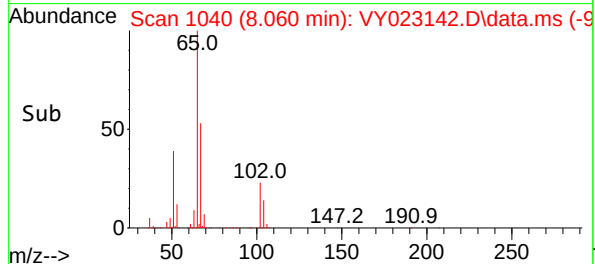
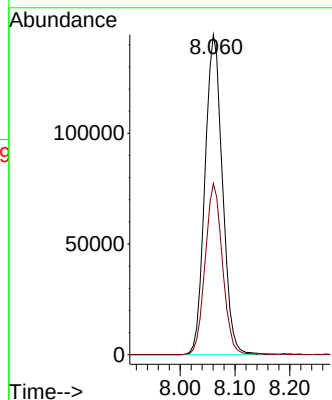
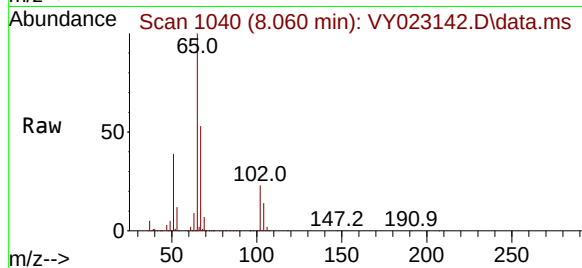
10P-S

Tgt Ion: 65 Resp: 320627

Ion Ratio Lower Upper

65 100

67 52.7 0.0 106.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. 0.006 min

Lab File: VY023142.D

Acq: 19 Aug 2025 11:44

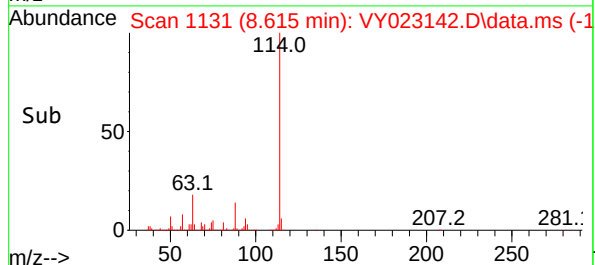
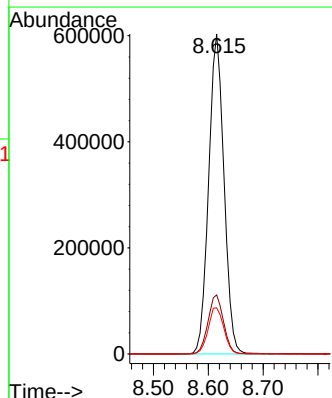
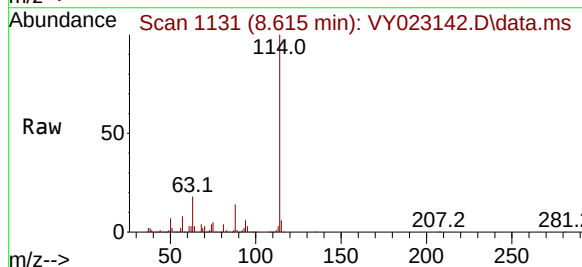
Tgt Ion: 114 Resp: 1165930

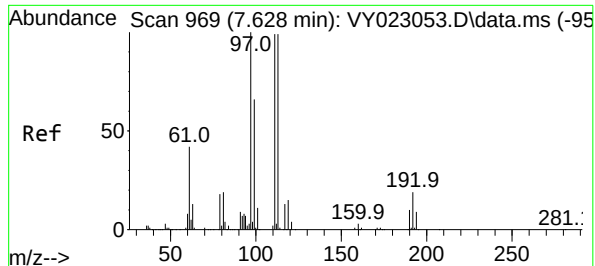
Ion Ratio Lower Upper

114 100

63 18.4 0.0 38.4

88 14.4 0.0 30.0





#35

Dibromofluoromethane

Concen: 52.557 ug/l

RT: 7.634 min Scan# 91

Delta R.T. 0.006 min

Lab File: VY023142.D

Acq: 19 Aug 2025 11:44

Instrument :

MSVOA_Y

ClientSampleId :

10P-S

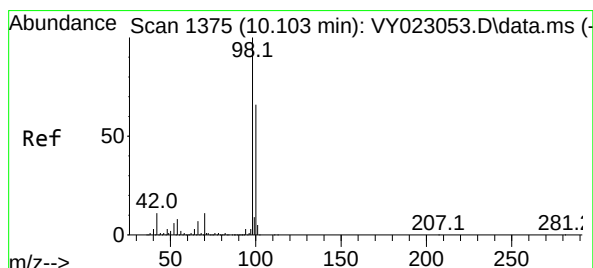
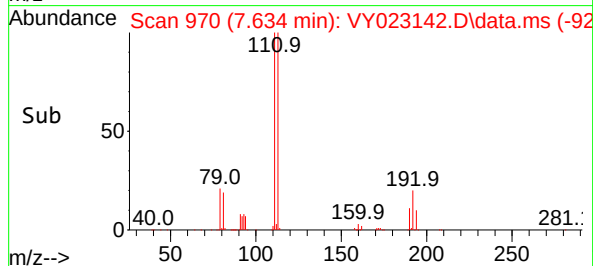
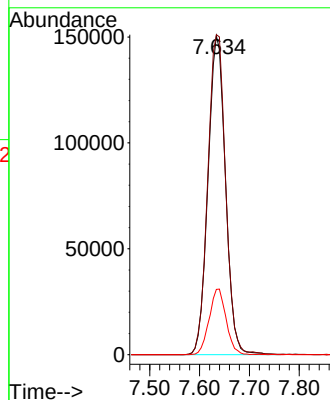
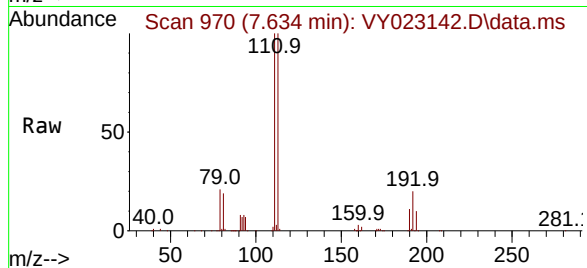
Tgt Ion:113 Resp: 366670

Ion Ratio Lower Upper

113 100

111 102.5 81.1 121.7

192 20.0 16.2 24.4



#50

Toluene-d8

Concen: 51.237 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. -0.000 min

Lab File: VY023142.D

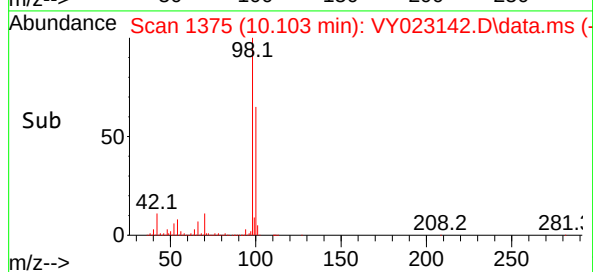
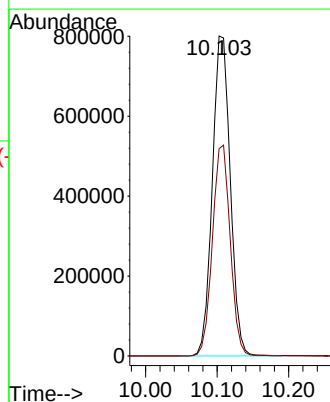
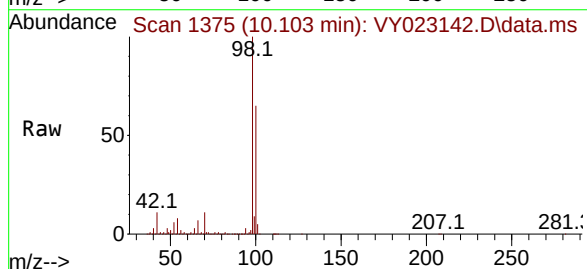
Acq: 19 Aug 2025 11:44

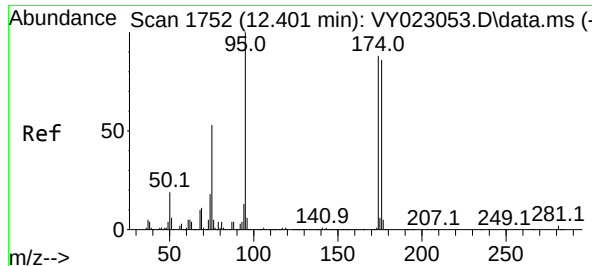
Tgt Ion: 98 Resp: 1396429

Ion Ratio Lower Upper

98 100

100 65.5 52.3 78.5





#62

4-Bromofluorobenzene

Concen: 50.177 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.000 min

Lab File: VY023142.D

Acq: 19 Aug 2025 11:44

Instrument :

MSVOA_Y

ClientSampleId :

10P-S

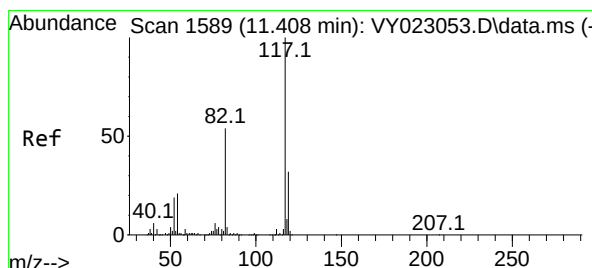
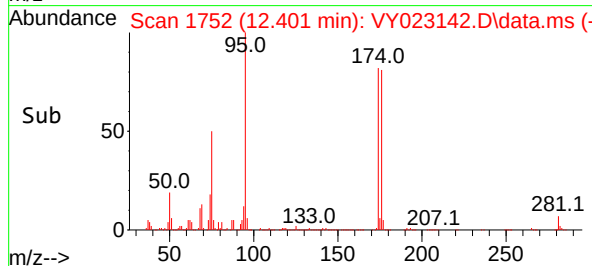
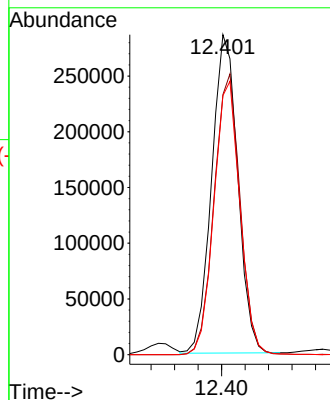
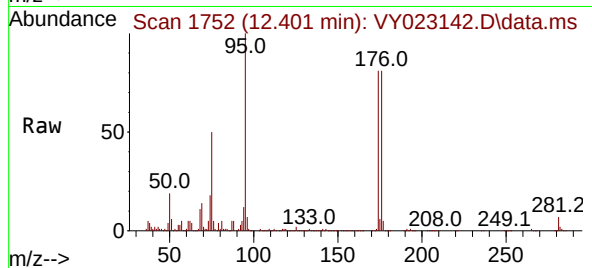
Tgt Ion: 95 Resp: 439799

Ion Ratio Lower Upper

95 100

174 88.1 0.0 171.6

176 85.7 0.0 167.6



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.413 min Scan# 1590

Delta R.T. 0.006 min

Lab File: VY023142.D

Acq: 19 Aug 2025 11:44

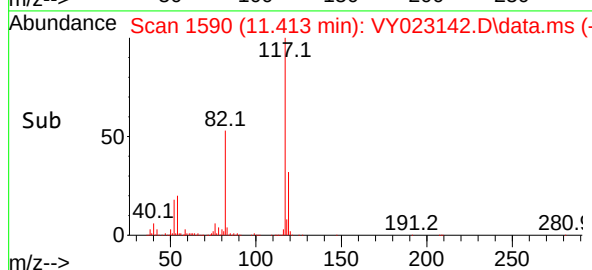
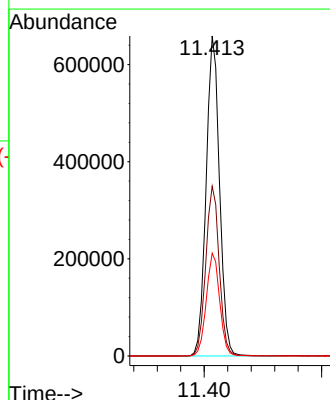
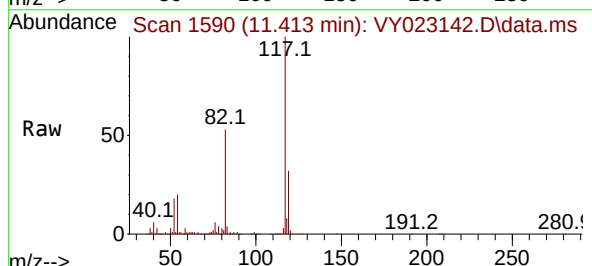
Tgt Ion: 117 Resp: 1040807

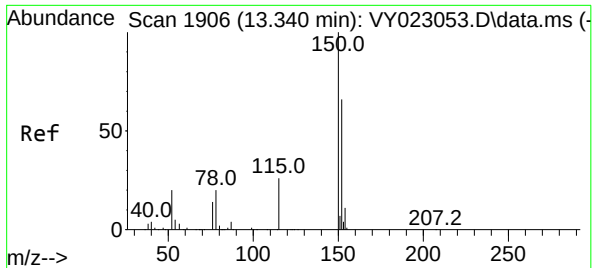
Ion Ratio Lower Upper

117 100

82 53.0 43.4 65.0

119 32.1 25.6 38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.006 min

Lab File: VY023142.D

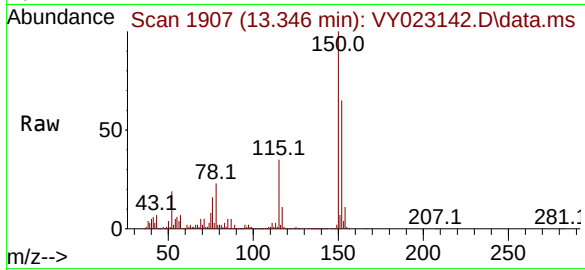
Acq: 19 Aug 2025 11:44

Instrument :

MSVOA_Y

ClientSampleId :

10P-S



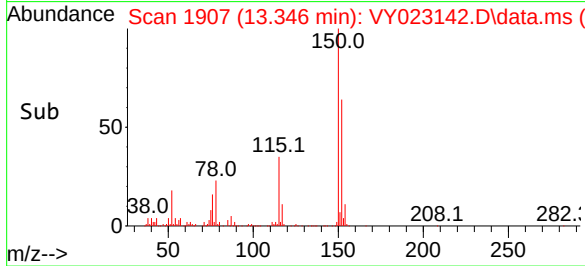
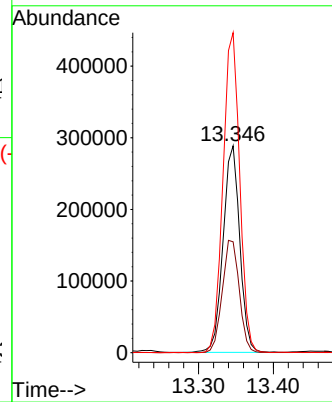
Tgt Ion:152 Resp: 447912

Ion Ratio Lower Upper

152 100

115 55.3 28.2 84.6

150 154.9 0.0 348.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081925\
Data File : VY023142.D
Acq On : 19 Aug 2025 11:44
Operator : SY/MD
Sample : Q2820-15
Misc : 7.75g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
10P-S

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Title : SW846 8260

Signal : TIC: VY023142.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.616	465	475	489	rBV2	47517	147691	4.08%	0.420%
2	7.634	959	970	976	rBV	504503	1224139	33.83%	3.485%
3	7.707	976	982	994	rVB	793116	1809894	50.02%	5.153%
4	8.060	1028	1040	1061	rBV	411321	920185	25.43%	2.620%
5	8.615	1120	1131	1150	rBV	1324839	2614684	72.26%	7.444%
6	10.103	1367	1375	1391	rBV	2059940	3618549	100.00%	10.302%
7	11.413	1583	1590	1600	rBV	1941611	3118063	86.17%	8.877%
8	11.609	1616	1622	1627	rBV5	22489	59370	1.64%	0.169%
9	11.663	1627	1631	1642	rVB4	38014	106840	2.95%	0.304%
10	11.859	1659	1663	1667	rVB3	27733	43445	1.20%	0.124%
11	11.932	1667	1675	1681	rBV4	118751	291106	8.04%	0.829%
12	12.048	1690	1694	1698	rVB	122593	176297	4.87%	0.502%
13	12.127	1698	1707	1708	rBV3	136329	252560	6.98%	0.719%
14	12.157	1708	1712	1718	rVB2	280838	456885	12.63%	1.301%
15	12.243	1718	1726	1728	rBV7	65165	167027	4.62%	0.476%
16	12.297	1729	1735	1739	rBV7	91385	214477	5.93%	0.611%
17	12.340	1739	1742	1747	rVB3	69687	119105	3.29%	0.339%
18	12.407	1747	1753	1758	rBV2	1492663	2420703	66.90%	6.891%
19	12.493	1763	1767	1771	rBV4	69860	119201	3.29%	0.339%
20	12.566	1774	1779	1786	rVB2	573042	1027391	28.39%	2.925%
21	12.651	1786	1793	1799	rBV7	212784	618696	17.10%	1.761%
22	12.730	1799	1806	1812	rBV4	620788	1335291	36.90%	3.801%
23	12.871	1824	1829	1832	rBV3	277102	381940	10.56%	1.087%
24	12.925	1832	1838	1840	rBV3	177460	336948	9.31%	0.959%
25	12.962	1840	1844	1851	rVB2	485267	817526	22.59%	2.327%
26	13.029	1852	1855	1856	rBV2	63519	70236	1.94%	0.200%
27	13.084	1861	1864	1871	rVB5	174202	280213	7.74%	0.798%
28	13.145	1871	1874	1876	rBV2	66750	98939	2.73%	0.282%
29	13.236	1881	1889	1893	rVV5	443886	1199948	33.16%	3.416%
30	13.279	1893	1896	1900	rVV3	322844	589885	16.30%	1.679%
31	13.346	1900	1907	1915	rVV	1783537	3245843	89.70%	9.241%
32	13.419	1915	1919	1923	rVV3	197960	346620	9.58%	0.987%
33	13.486	1925	1930	1934	rVV4	311061	544264	15.04%	1.549%
34	13.523	1934	1936	1941	rVB4	91332	117727	3.25%	0.335%
35	13.663	1953	1959	1964	rBV2	949025	1709448	47.24%	4.867%
36	13.712	1964	1967	1971	rVB2	151420	209140	5.78%	0.595%

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081925\
Data File : VY023142.D
Acq On : 19 Aug 2025 11:44
Operator : SY/MD
Sample : Q2820-15
Misc : 7.75g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
10P-S

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

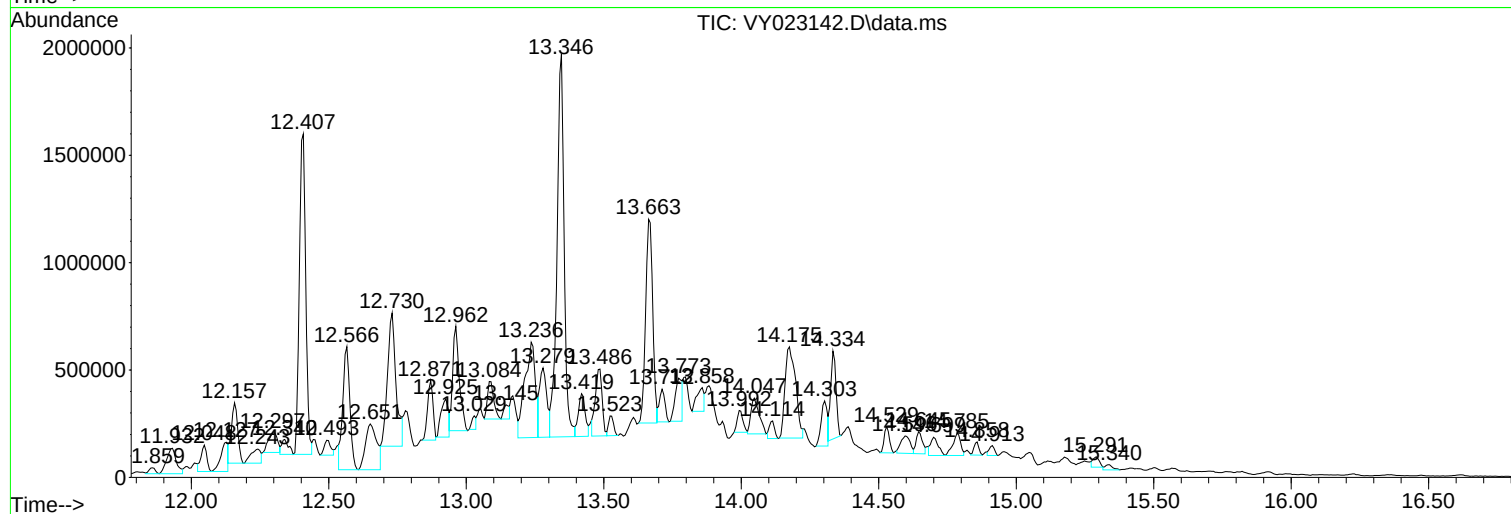
Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Title : SW846 8260

37	13.773	1972	1977	1979	rBV3	199803	356492	9.85%	1.015%
38	13.858	1985	1991	1992	rBV4	110233	202360	5.59%	0.576%
39	13.992	2010	2013	2018	rBV3	100919	148124	4.09%	0.422%
40	14.047	2018	2022	2029	rVB5	166213	345770	9.56%	0.984%
41	14.114	2030	2033	2036	rVB6	81541	103485	2.86%	0.295%
42	14.175	2037	2043	2051	rBV4	425015	1136811	31.42%	3.236%
43	14.303	2059	2064	2066	rBV2	209923	333886	9.23%	0.951%
44	14.334	2066	2069	2074	rVB	401310	552949	15.28%	1.574%
45	14.529	2097	2101	2105	rVV3	122360	160336	4.43%	0.456%
46	14.596	2107	2112	2117	rVV7	80400	195280	5.40%	0.556%
47	14.645	2117	2120	2124	rVV3	101619	163120	4.51%	0.464%
48	14.699	2126	2129	2136	rVB4	84717	157915	4.36%	0.450%
49	14.785	2136	2143	2147	rBV3	103119	202645	5.60%	0.577%
50	14.858	2151	2155	2158	rVV	62123	74729	2.07%	0.213%
51	14.913	2161	2164	2167	rVB2	46326	59862	1.65%	0.170%
52	15.291	2223	2226	2230	rVB3	48848	75717	2.09%	0.216%
53	15.340	2230	2234	2240	rVB8	24213	46383	1.28%	0.132%

Sum of corrected areas: 35126140

Instrument :
MSVOA_Y
ClientSampleId :
10P-S

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081925\
Data File : VY023142.D
Acq On : 19 Aug 2025 11:44
Operator : SY/MD
Sample : Q2820-15
Misc : 7.75g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
10P-S

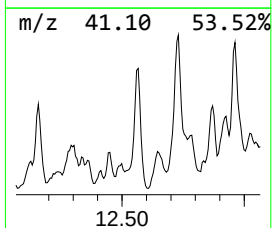
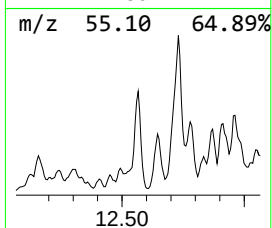
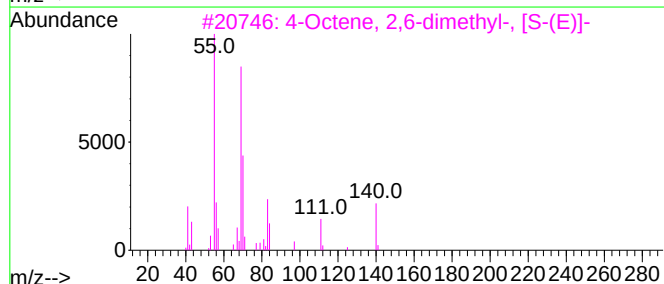
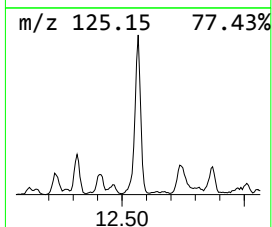
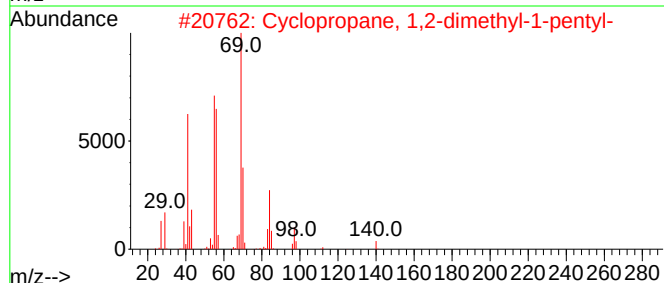
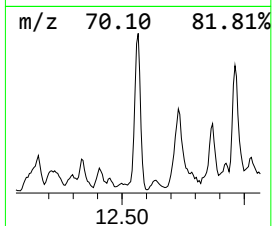
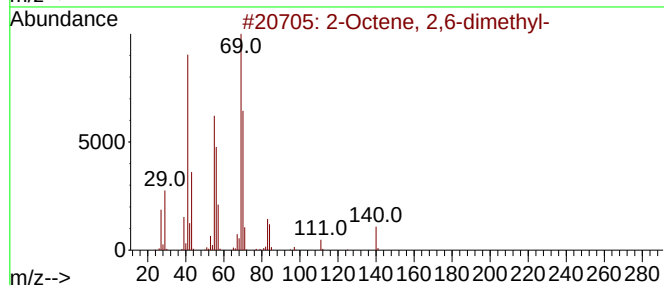
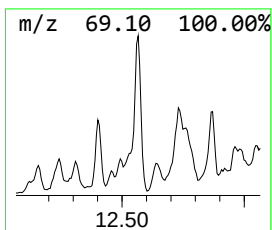
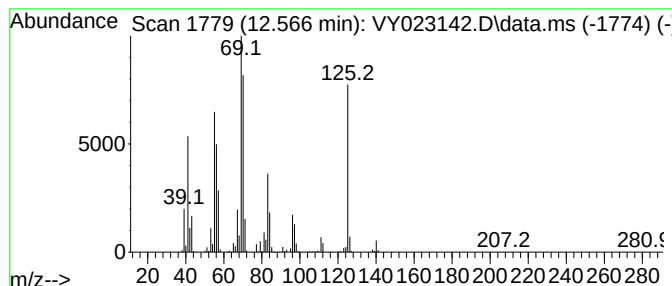
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260

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

Peak Number 1 2-Octene, 2,6-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.566	15.83 ug/l	1027390	1,4-Dichlorobenzene-d4	13.346

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	64
2			Cyclopropane, 1,2-dimethyl-1-pen...	140	C10H20	062238-04-4	45
3			4-Octene, 2,6-dimethyl-, [S-(E)]-	140	C10H20	062960-76-3	38
4			cis-1-Butyl-2-methylcyclopropane	112	C8H16	038851-69-3	30
5			1-Decene	140	C10H20	000872-05-9	30



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081925\
Data File : VY023142.D
Acq On : 19 Aug 2025 11:44
Operator : SY/MD
Sample : Q2820-15
Misc : 7.75g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
10P-S

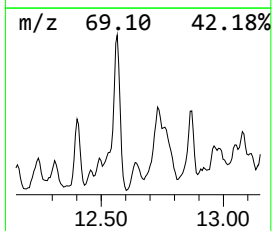
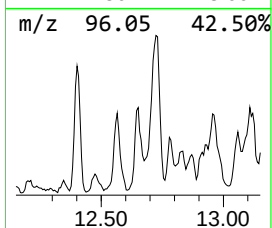
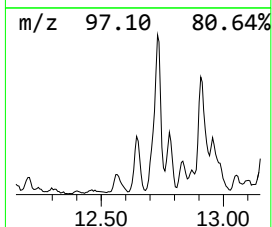
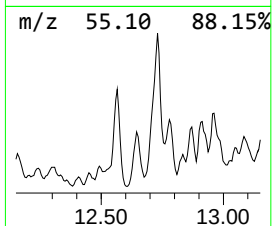
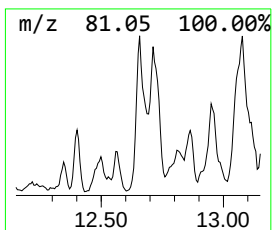
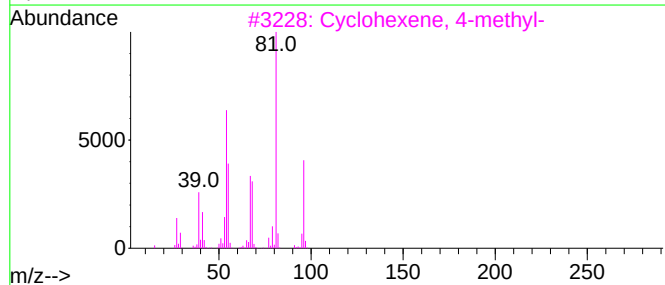
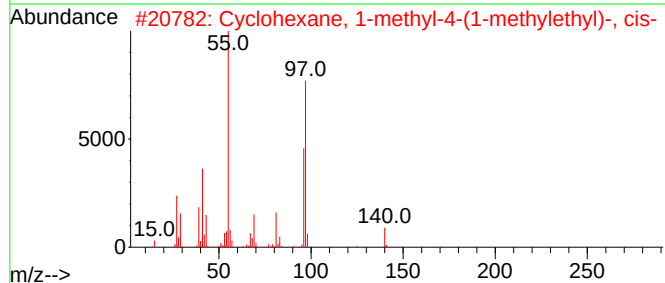
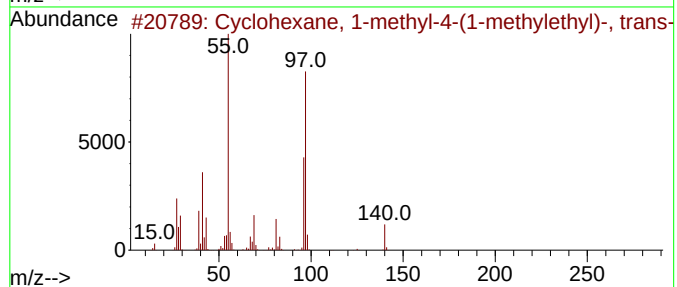
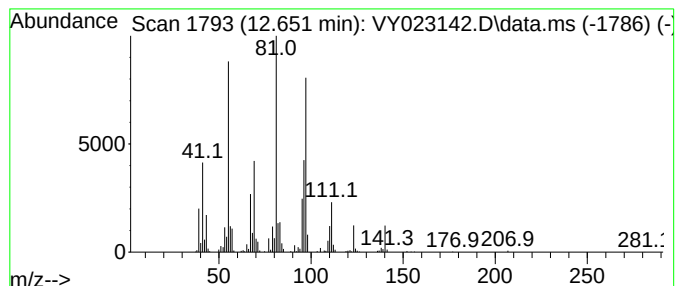
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260

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

Peak Number 2 unknown12.651 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.651	9.53 ug/l	618696	1,4-Dichlorobenzene-d4	13.346

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	001678-82-6	46
2			Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	006069-98-3	46
3			Cyclohexene, 4-methyl-	96	C7H12	000591-47-9	43
4			1-Methyl-4-(1-methylethyl)-cyclo...	140	C10H20	000099-82-1	43
5			6-Methyl-bicyclo[4.2.0]octan-7-one	138	C9H14O	1010193-87-2	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081925\
Data File : VY023142.D
Acq On : 19 Aug 2025 11:44
Operator : SY/MD
Sample : Q2820-15
Misc : 7.75g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
10P-S

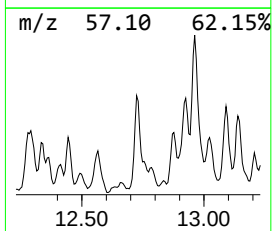
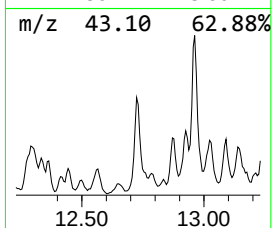
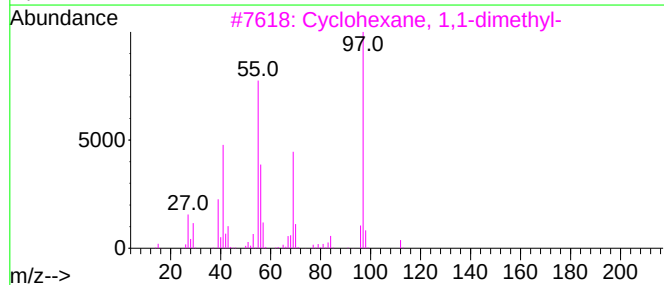
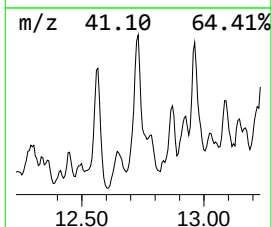
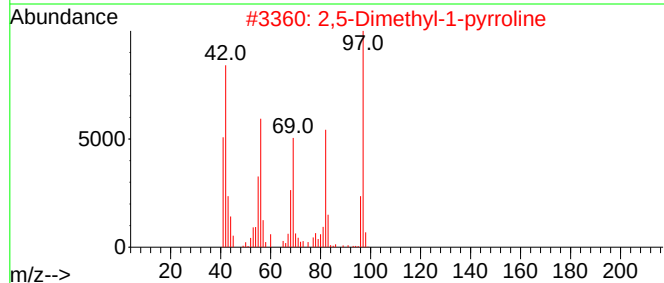
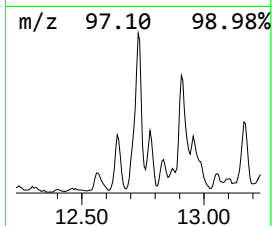
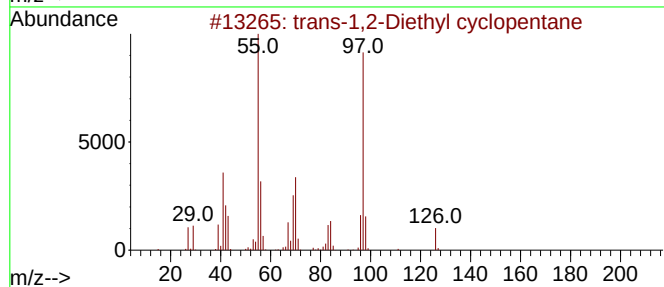
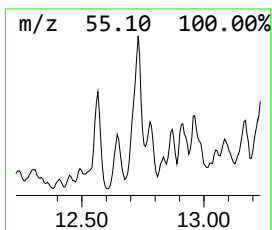
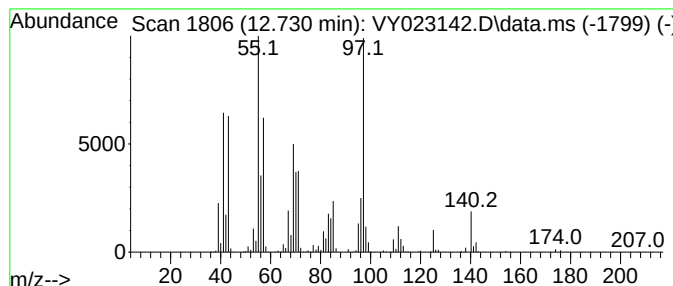
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260

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

Peak Number 3 unknown12.730 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.730	20.57 ug/l	1335290	1,4-Dichlorobenzene-d4	13.346

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			trans-1,2-Diethyl cyclopentane	126	C9H18	000932-40-1	49
2			2,5-Dimethyl-1-pyrroline	97	C6H11N	000822-64-0	46
3			Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	43
4			Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	43
5			1-Hexacosanol	382	C26H54O	000506-52-5	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081925\
Data File : VY023142.D
Acq On : 19 Aug 2025 11:44
Operator : SY/MD
Sample : Q2820-15
Misc : 7.75g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 7 Sample Multiplier: 1

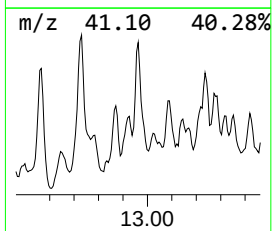
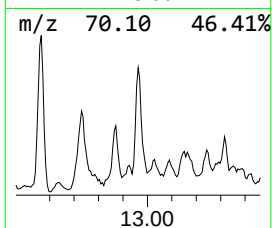
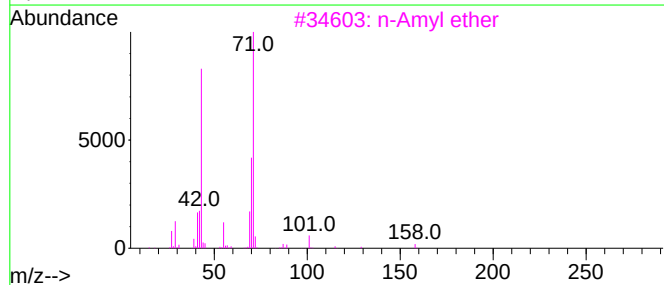
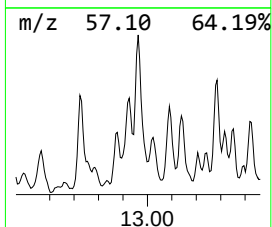
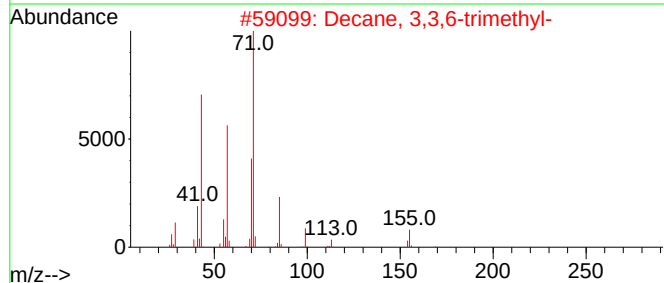
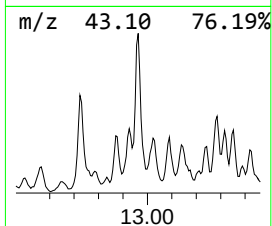
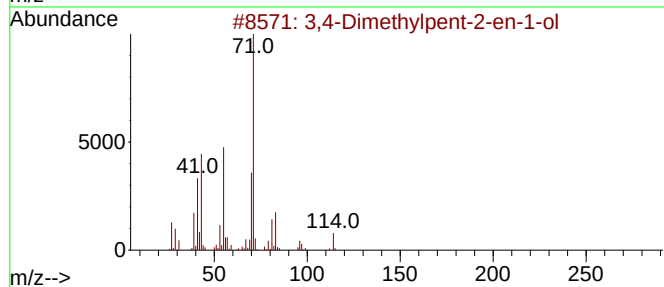
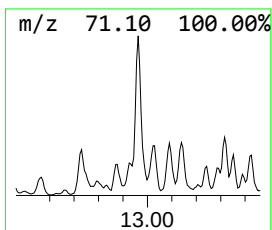
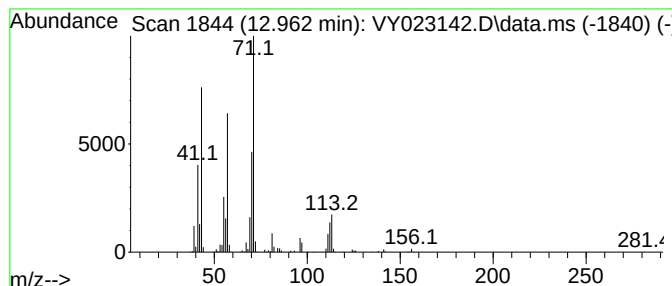
Instrument :
MSVOA_Y
ClientSampleId :
10P-S

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260

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

Peak Number 4 3,4-Dimethylpent-2-en-1-ol Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD		R.T.	
12.962	12.59 ug/l	817526	1,4-Dichlorobenzene-d4		13.346	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	3,4-Dimethylpent-2-en-1-ol		114	C7H14O	1000195-06-9	72
2	Decane, 3,3,6-trimethyl-		184	C13H28	062338-14-1	59
3	n-Amyl ether		158	C10H22O	000693-65-2	59
4	Methoxyacetic acid, 2-octyl ester		202	C11H22O3	1000282-69-6	53
5	Sulfurous acid, nonyl 2-pentyl e...		278	C14H30O3S	1010309-15-8	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081925\
Data File : VY023142.D
Acq On : 19 Aug 2025 11:44
Operator : SY/MD
Sample : Q2820-15
Misc : 7.75g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
10P-S

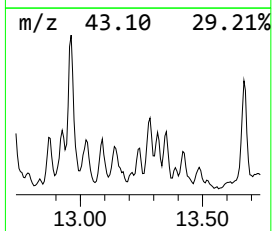
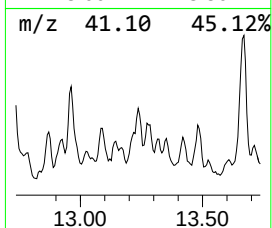
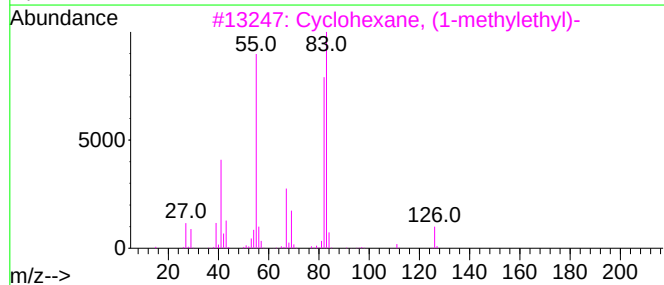
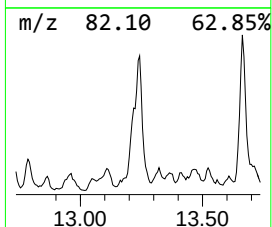
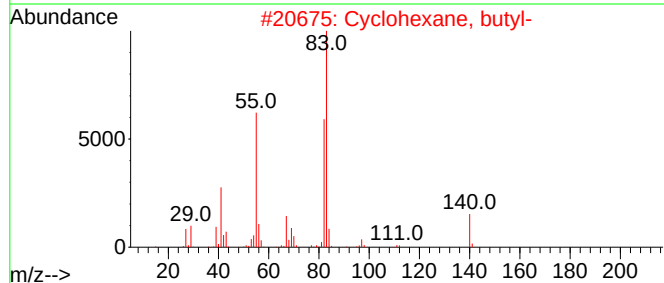
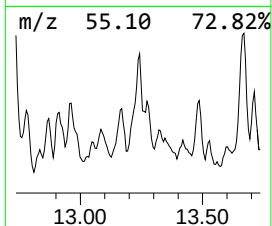
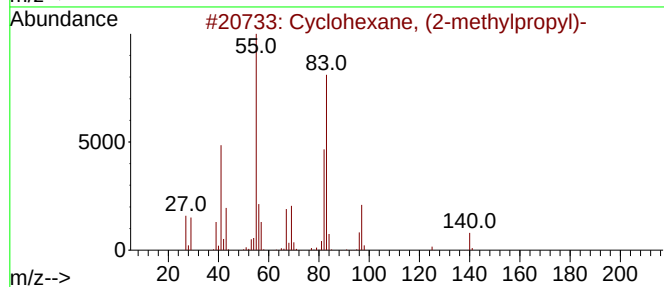
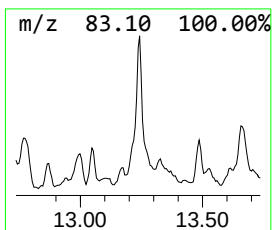
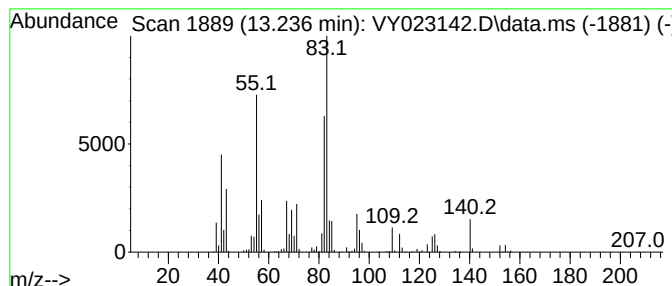
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Quant Title : SW846 8260

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

Peak Number 5 Cyclohexane, (2-methylpropyl)- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.236	18.48 ug/l	1199950	1,4-Dichlorobenzene-d4	13.346

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	68
2			Cyclohexane, butyl-	140	C10H20	001678-93-9	64
3			Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	64
4			Cyclohexane, 1,1'-(1,4-butanediyl)-	222	C16H30	006165-44-2	53
5			Cyclohexane, 2-propenyl-	124	C9H16	002114-42-3	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081925\
Data File : VY023142.D
Acq On : 19 Aug 2025 11:44
Operator : SY/MD
Sample : Q2820-15
Misc : 7.75g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
10P-S

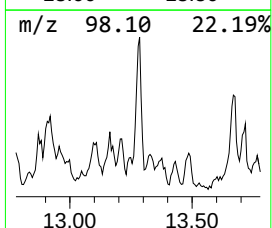
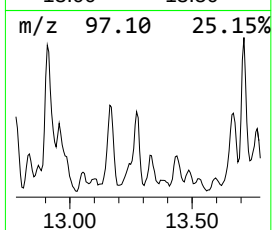
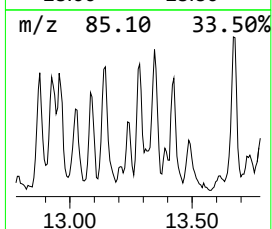
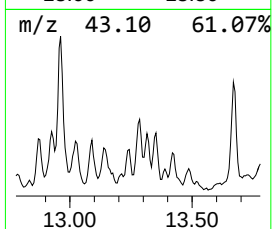
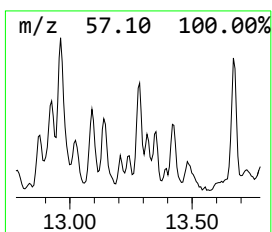
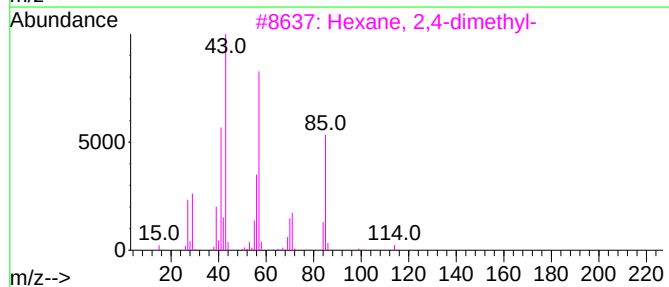
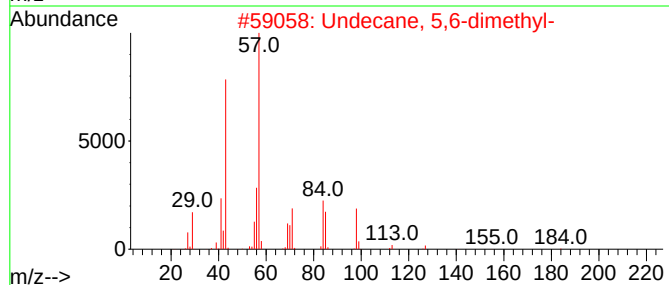
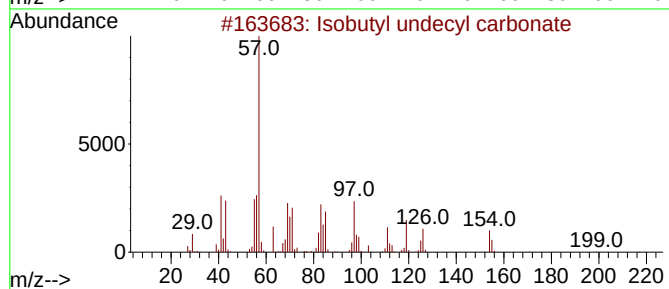
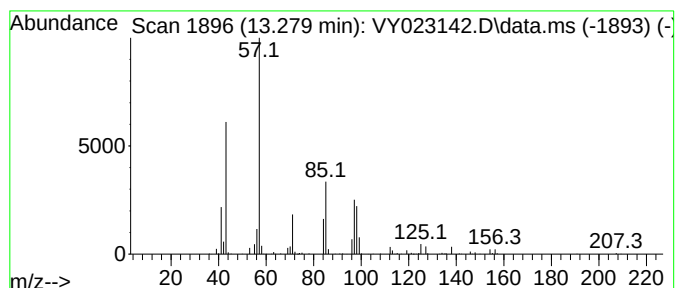
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Quant Title : SW846 8260

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

Peak Number 6 Isobutyl undecyl carbonate Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.279	9.09 ug/l	589885	1,4-Dichlorobenzene-d4	13.346

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Isobutyl undecyl carbonate	272	C16H32O3	1000372-78-8	53
2		Undecane, 5,6-dimethyl-	184	C13H28	017615-91-7	38
3		Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	35
4		Heptane, 2,2,3,3,5,6,6-heptamethyl-	198	C14H30	007225-67-4	35
5		Octane, 3,4,5,6-tetramethyl-	170	C12H26	062185-21-1	35



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081925\
Data File : VY023142.D
Acq On : 19 Aug 2025 11:44
Operator : SY/MD
Sample : Q2820-15
Misc : 7.75g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
10P-S

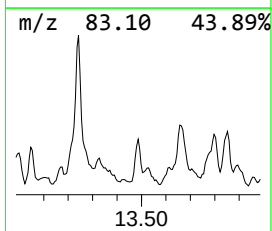
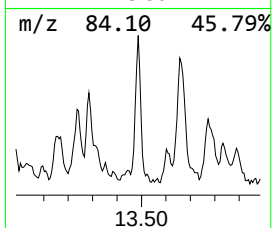
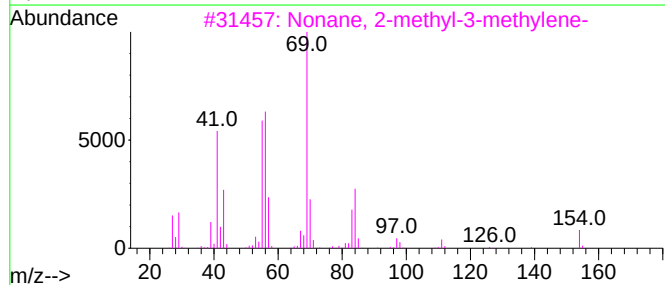
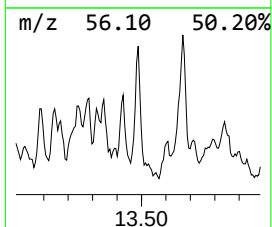
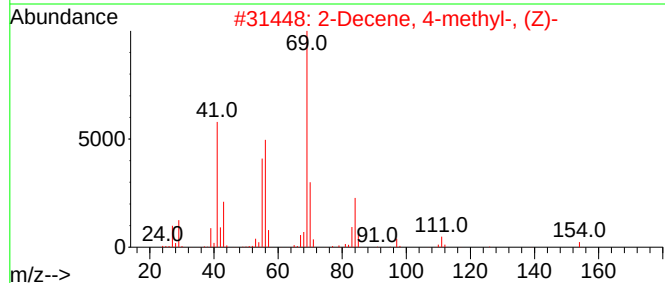
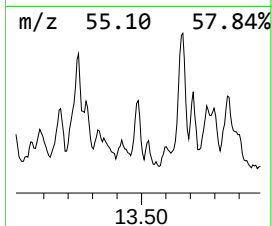
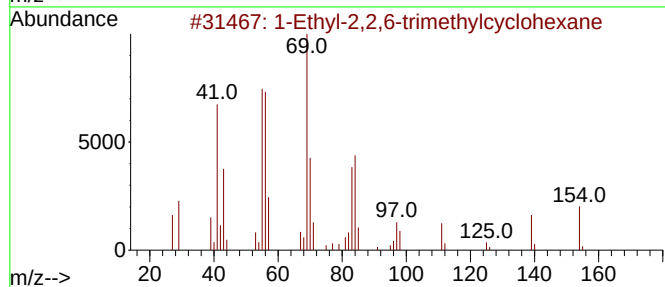
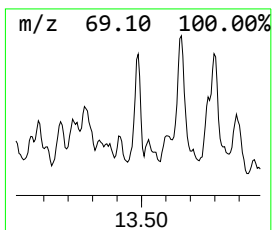
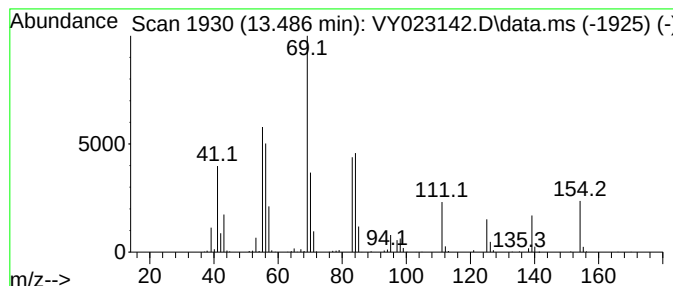
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Quant Title : SW846 8260

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

Peak Number 7 1-Ethyl-2,2,6-trimethylcycl... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.486	8.38 ug/l	544264	1,4-Dichlorobenzene-d4	13.346

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Ethyl-2,2,6-trimethylcyclohexane	154	C11H22	071186-27-1	78
2			2-Decene, 4-methyl-, (Z)-	154	C11H22	074630-30-1	72
3			Nonane, 2-methyl-3-methylene-	154	C11H22	055499-08-6	50
4			Cyclopentane, (2-methylbutyl)-	140	C10H20	053366-38-4	49
5			Cyclohexane, 1,1-dimethyl-2-propyl-	154	C11H22	081983-71-3	47



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081925\
Data File : VY023142.D
Acq On : 19 Aug 2025 11:44
Operator : SY/MD
Sample : Q2820-15
Misc : 7.75g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
10P-S

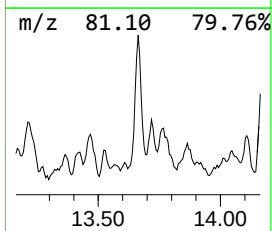
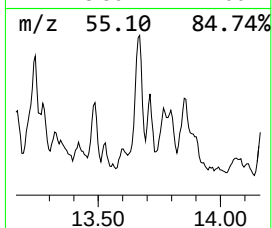
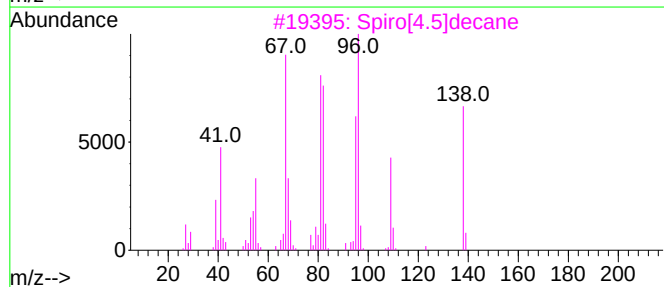
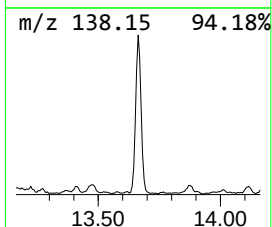
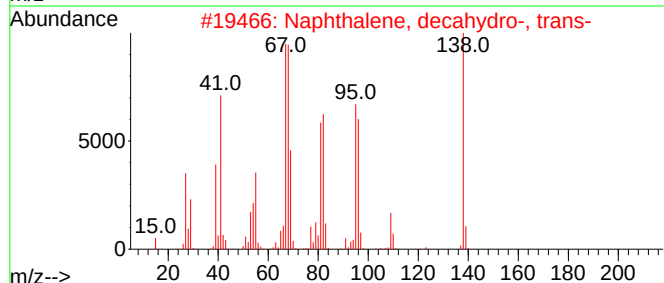
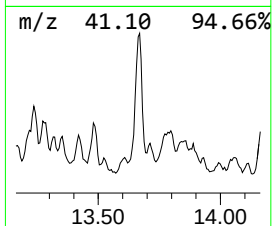
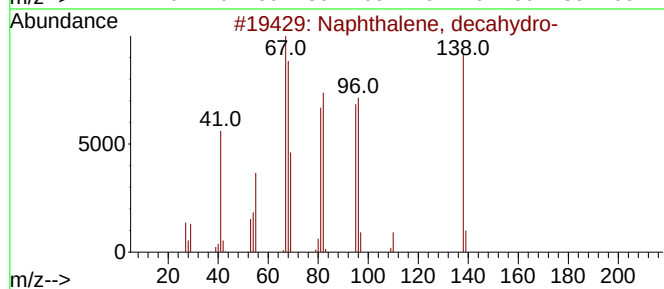
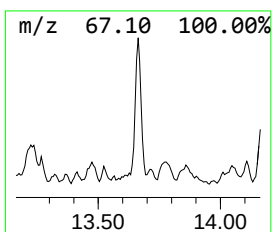
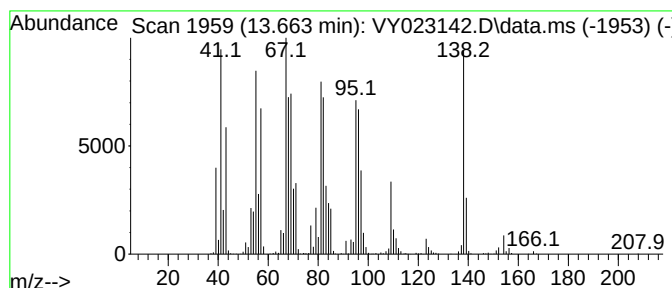
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Quant Title : SW846 8260

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

Peak Number 8 Naphthalene, decahydro- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.663	26.33 ug/l	1709450	1,4-Dichlorobenzene-d4	13.346

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, decahydro-	138	C10H18	000091-17-8	92
2			Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	89
3			Spiro[4.5]decane	138	C10H18	000176-63-6	70
4			Cyclodecene	138	C10H18	003618-12-0	62
5			Naphthalene, decahydro-, cis-	138	C10H18	000493-01-6	58



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081925\
Data File : VY023142.D
Acq On : 19 Aug 2025 11:44
Operator : SY/MD
Sample : Q2820-15
Misc : 7.75g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
10P-S

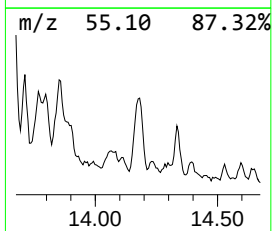
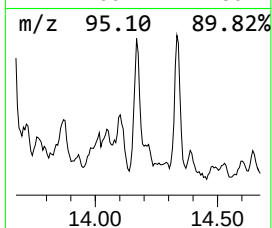
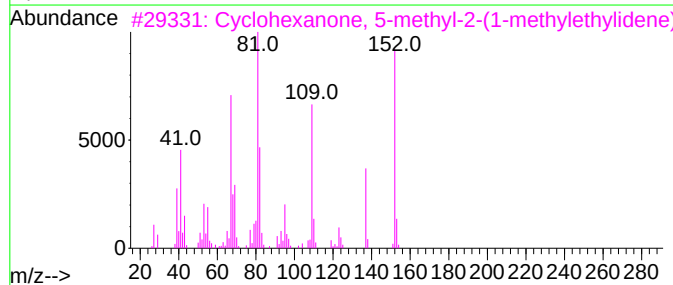
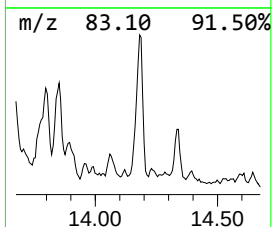
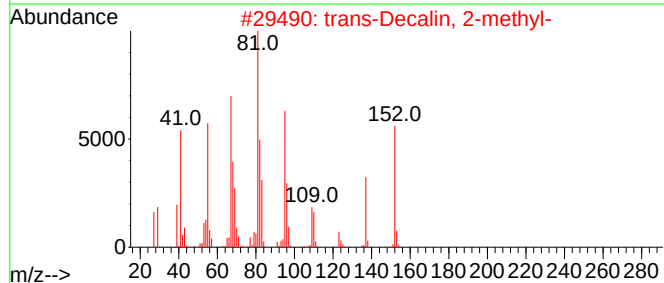
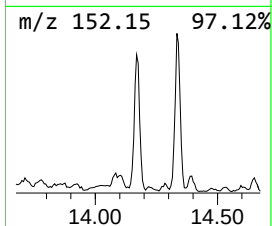
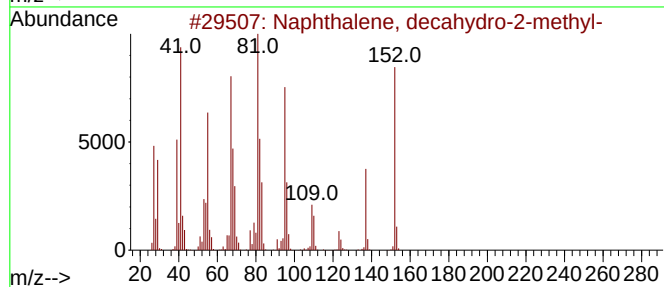
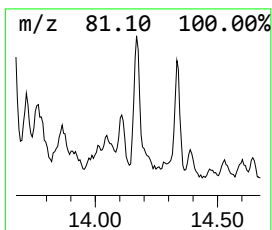
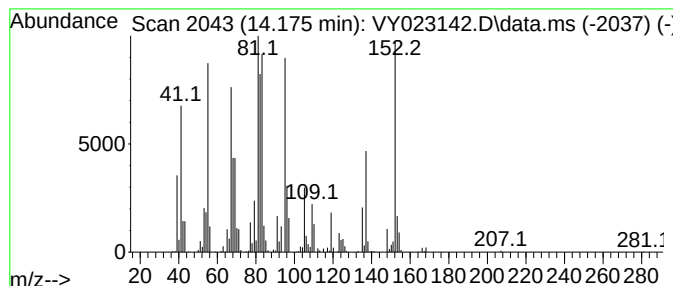
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Quant Title : SW846 8260

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

Peak Number 9 Naphthalene, decahydro-2-me... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.175	17.51 ug/l	1136810	1,4-Dichlorobenzene-d4	13.346

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	96
2		trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	81
3		Cyclohexanone, 5-methyl-2-(1-met...	152	C10H16O	015932-80-6	70
4		cis-Decalin, 2-syn-methyl-	152	C11H20	1000155-85-6	58
5		Bicyclo[3.1.1]heptane, 2,6,6-tri...	138	C10H18	006876-13-7	55



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081925\
Data File : VY023142.D
Acq On : 19 Aug 2025 11:44
Operator : SY/MD
Sample : Q2820-15
Misc : 7.75g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
10P-S

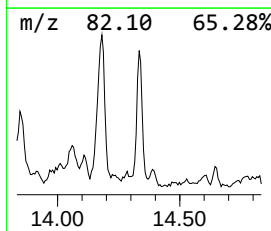
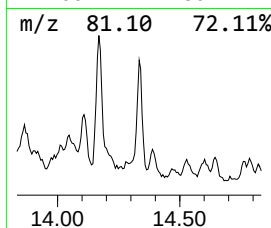
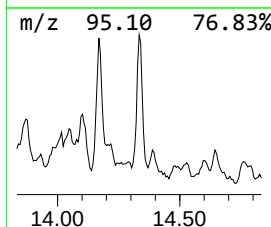
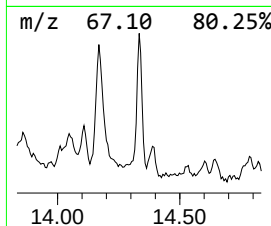
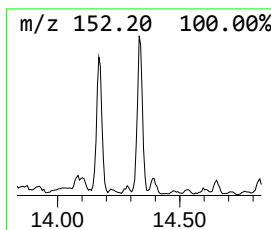
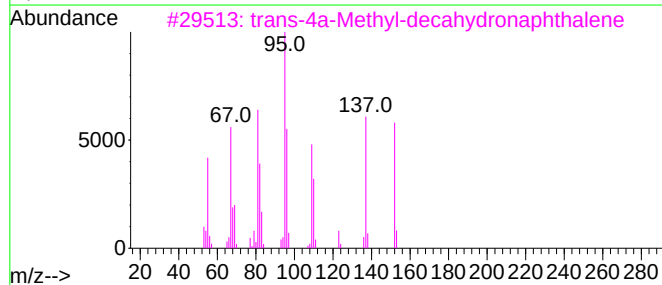
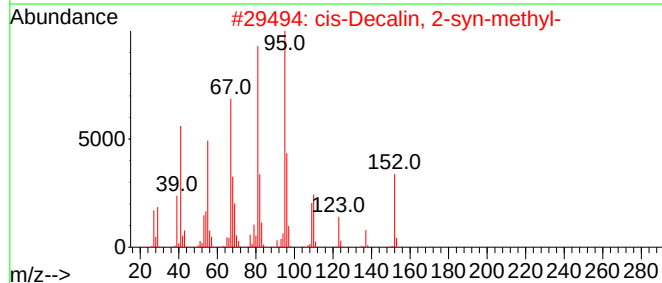
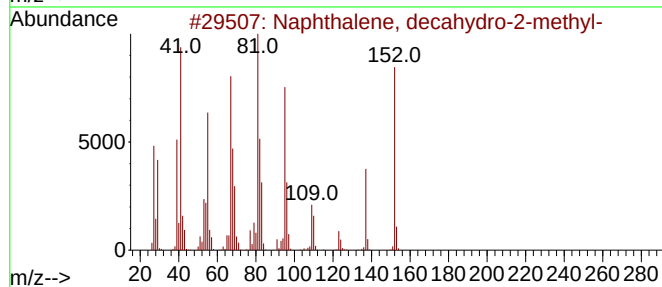
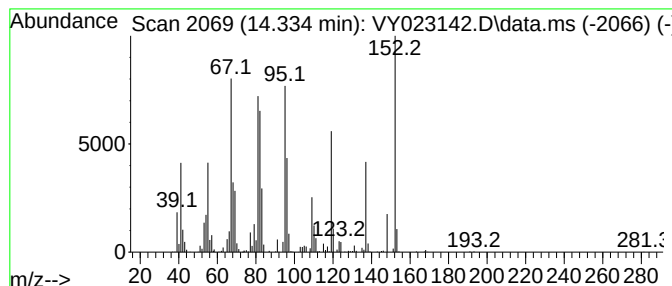
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260

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

Peak Number 10 cis-Decalin, 2-syn-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.334	8.52 ug/l	552949	1,4-Dichlorobenzene-d4	13.346

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	83
2		cis-Decalin, 2-syn-methyl-	152	C11H20	1000155-85-6	76
3		trans-4a-Methyl-decahydronaphtha...	152	C11H20	002547-27-5	70
4		Bicyclo[2.2.1]heptan-2-one, 1,7,...	152	C10H16O	000464-48-2	60
5		Cyclohexanone, 5-methyl-2-(1-met...	152	C10H16O	015932-80-6	60



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081925\
Data File : VY023142.D
Acq On : 19 Aug 2025 11:44
Operator : SY/MD
Sample : Q2820-15
Misc : 7.75g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
10P-S

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
2-Octene, 2,6-d...	12.566	15.8	ug/l	1027390	4	13.346	3245840	50.0
unknown12.651	12.651	9.5	ug/l	618696	4	13.346	3245840	50.0
unknown12.730	12.730	20.6	ug/l	1335290	4	13.346	3245840	50.0
3,4-Dimethylpen...	12.962	12.6	ug/l	817526	4	13.346	3245840	50.0
Cyclohexane, (2...	13.236	18.5	ug/l	1199950	4	13.346	3245840	50.0
Isobutyl undecy...	13.279	9.1	ug/l	589885	4	13.346	3245840	50.0
1-Ethyl-2,2,6-t...	13.486	8.4	ug/l	544264	4	13.346	3245840	50.0
Naphthalene, de...	13.663	26.3	ug/l	1709450	4	13.346	3245840	50.0
Naphthalene, de...	14.175	17.5	ug/l	1136810	4	13.346	3245840	50.0
cis-Decalin, 2-...	14.334	8.5	ug/l	552949	4	13.346	3245840	50.0

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	10P-N	SDG No.:	Q2820
Lab Sample ID:	Q2820-16	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	86.2
Sample Wt/Vol:	6.08	Units: g	Final Vol: 5000 uL
Soil Aliquot Vol:		uL	Test: VOC-TCLVOA-10
GC Column:	RXI-624	ID : 0.25	Level : LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032099.D	1	08/14/25 17:17	VW081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	3.80	U	1.10	3.80	4.80	ug/Kg
74-87-3	Chloromethane	2.40	U	1.10	2.40	4.80	ug/Kg
75-01-4	Vinyl Chloride	2.40	U	0.75	2.40	4.80	ug/Kg
74-83-9	Bromomethane	3.80	U	1.00	3.80	4.80	ug/Kg
75-00-3	Chloroethane	2.40	U	1.20	2.40	4.80	ug/Kg
75-69-4	Trichlorofluoromethane	3.80	U	1.20	3.80	4.80	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	2.40	U	1.00	2.40	4.80	ug/Kg
75-35-4	1,1-Dichloroethene	2.40	U	0.95	2.40	4.80	ug/Kg
67-64-1	Acetone	19.1	U	4.50	19.1	23.9	ug/Kg
75-15-0	Carbon Disulfide	3.80	U	1.00	3.80	4.80	ug/Kg
1634-04-4	Methyl tert-butyl Ether	2.40	U	0.70	2.40	4.80	ug/Kg
79-20-9	Methyl Acetate	3.80	U	1.50	3.80	4.80	ug/Kg
75-09-2	Methylene Chloride	7.60	U	3.40	7.60	9.50	ug/Kg
156-60-5	trans-1,2-Dichloroethene	2.40	U	0.82	2.40	4.80	ug/Kg
75-34-3	1,1-Dichloroethane	2.40	U	0.76	2.40	4.80	ug/Kg
110-82-7	Cyclohexane	2.40	U	0.75	2.40	4.80	ug/Kg
78-93-3	2-Butanone	19.1	U	6.20	19.1	23.9	ug/Kg
56-23-5	Carbon Tetrachloride	2.40	U	0.93	2.40	4.80	ug/Kg
156-59-2	cis-1,2-Dichloroethene	2.40	U	0.72	2.40	4.80	ug/Kg
74-97-5	Bromochloromethane	3.80	U	1.10	3.80	4.80	ug/Kg
67-66-3	Chloroform	3.80	U	0.80	3.80	4.80	ug/Kg
71-55-6	1,1,1-Trichloroethane	2.40	U	0.89	2.40	4.80	ug/Kg
108-87-2	Methylcyclohexane	2.40	U	0.87	2.40	4.80	ug/Kg
71-43-2	Benzene	2.40	U	0.75	2.40	4.80	ug/Kg
107-06-2	1,2-Dichloroethane	2.40	U	0.75	2.40	4.80	ug/Kg
79-01-6	Trichloroethene	2.40	U	0.77	2.40	4.80	ug/Kg
78-87-5	1,2-Dichloropropane	2.40	U	0.87	2.40	4.80	ug/Kg
75-27-4	Bromodichloromethane	2.40	U	0.74	2.40	4.80	ug/Kg
108-10-1	4-Methyl-2-Pentanone	11.9	U	3.40	11.9	23.9	ug/Kg
108-88-3	Toluene	2.40	U	0.74	2.40	4.80	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	10P-N	SDG No.:	Q2820
Lab Sample ID:	Q2820-16	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	86.2
Sample Wt/Vol:	6.08 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032099.D	1	08/14/25 17:17	VW081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	2.40	U	0.62	2.40	4.80	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	2.40	U	0.59	2.40	4.80	ug/Kg
79-00-5	1,1,2-Trichloroethane	2.40	U	0.88	2.40	4.80	ug/Kg
591-78-6	2-Hexanone	11.9	U	3.50	11.9	23.9	ug/Kg
124-48-1	Dibromochloromethane	2.40	U	0.83	2.40	4.80	ug/Kg
106-93-4	1,2-Dibromoethane	2.40	U	0.84	2.40	4.80	ug/Kg
127-18-4	Tetrachloroethene	2.40	U	1.00	2.40	4.80	ug/Kg
108-90-7	Chlorobenzene	2.40	U	0.87	2.40	4.80	ug/Kg
100-41-4	Ethyl Benzene	2.40	U	0.64	2.40	4.80	ug/Kg
179601-23-1	m/p-Xylenes	4.80	U	1.20	4.80	9.50	ug/Kg
95-47-6	o-Xylene	2.40	U	0.78	2.40	4.80	ug/Kg
100-42-5	Styrene	2.40	U	0.68	2.40	4.80	ug/Kg
75-25-2	Bromoform	2.40	U	0.82	2.40	4.80	ug/Kg
98-82-8	Isopropylbenzene	2.40	U	0.74	2.40	4.80	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	2.40	U	1.20	2.40	4.80	ug/Kg
541-73-1	1,3-Dichlorobenzene	2.40	U	1.60	2.40	4.80	ug/Kg
106-46-7	1,4-Dichlorobenzene	2.40	U	1.50	2.40	4.80	ug/Kg
95-50-1	1,2-Dichlorobenzene	2.40	U	1.40	2.40	4.80	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.80	U	1.80	3.80	4.80	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.80	U	2.80	3.80	4.80	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.80	U	3.00	3.80	4.80	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	59.6		71 - 136		119%	SPK: 50
1868-53-7	Dibromofluoromethane	55.1		78 - 119		110%	SPK: 50
2037-26-5	Toluene-d8	50.5		85 - 116		101%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.5		79 - 119		103%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	140000	7.959				
540-36-3	1,4-Difluorobenzene	294000	8.855				
3114-55-4	Chlorobenzene-d5	292000	11.629				
3855-82-1	1,4-Dichlorobenzene-d4	143000	13.556				

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	10P-N	SDG No.:	Q2820
Lab Sample ID:	Q2820-16	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	86.2
Sample Wt/Vol:	6.08 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032099.D	1	08/14/25 17:17	VW081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
------------	-----------	-------	-----------	-----	-----	------------	-------

U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 E = Value Exceeds Calibration Range
 Q = indicates LCS control criteria did not meet requirements
 M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 N = Presumptive Evidence of a Compound
 * = Values outside of QC limits
 D = Dilution
 () = Laboratory InHouse Limit
 A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
Data File : VW032099.D
Acq On : 14 Aug 2025 17:17
Operator : SY/MD
Sample : Q2820-16
Misc : 6.08g/5mL/MSVOA_W/SOIL/A
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
10P-N

Quant Time: Aug 18 03:55:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 12 04:04:48 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.959	168	140424	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	293737	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	291999	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	143336	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	121097	59.626	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	119.260%
35) Dibromofluoromethane	7.904	113	104532	55.085	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	110.160%
50) Toluene-d8	10.324	98	354525	50.510	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	101.020%
62) 4-Bromofluorobenzene	12.617	95	133098	51.458	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	102.920%

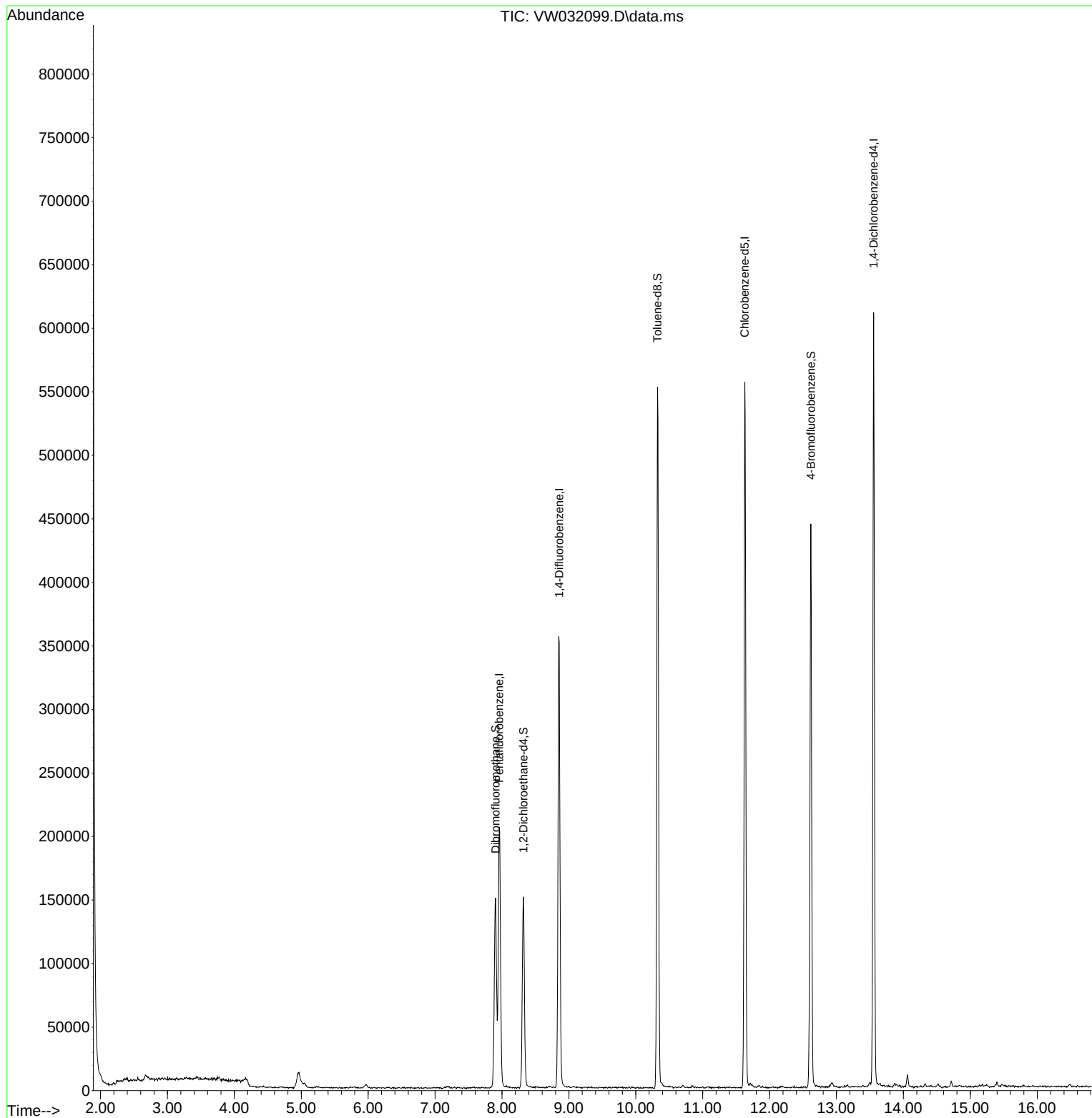
Target Compounds	Qvalue
------------------	--------

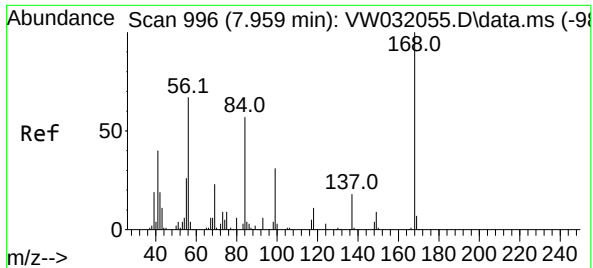
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
Data File : VW032099.D
Acq On : 14 Aug 2025 17:17
Operator : SY/MD
Sample : Q2820-16
Misc : 6.08g/5mL/MSVOA_W/SOIL/A
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
10P-N

Quant Time: Aug 18 03:55:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 12 04:04:48 2025
Response via : Initial Calibration

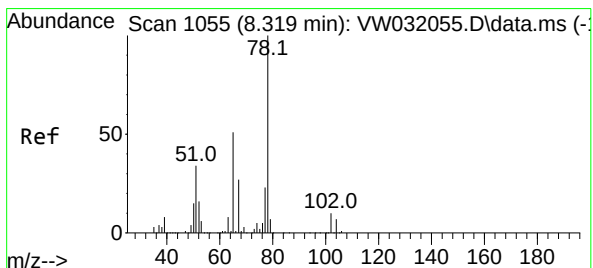
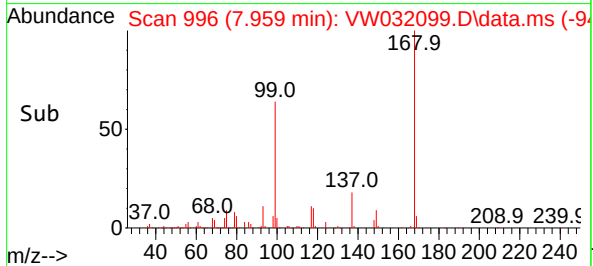
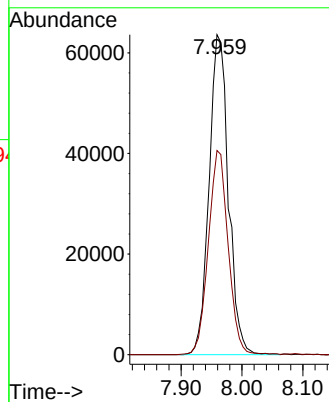
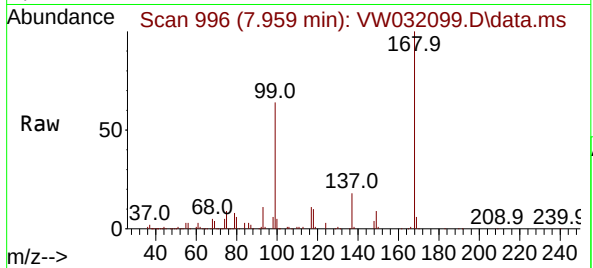




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 996
Delta R.T. 0.000 min
Lab File: VW032099.D
Acq: 14 Aug 2025 17:17

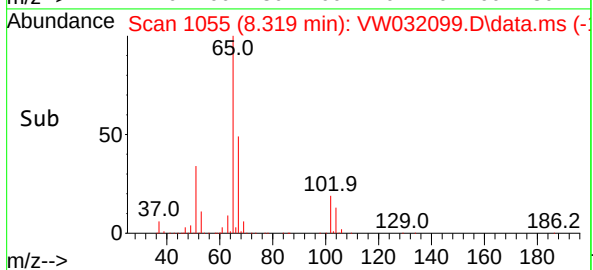
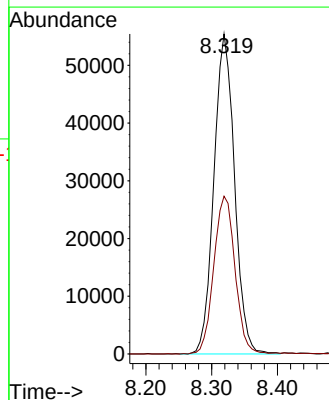
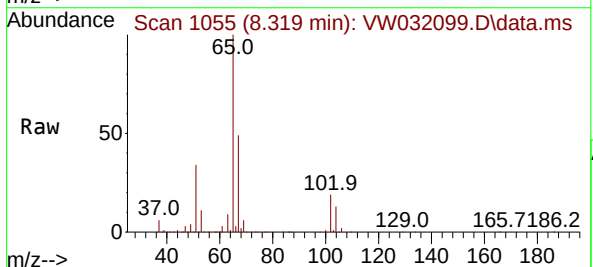
Instrument :
MSVOA_W
ClientSampleId :
10P-N

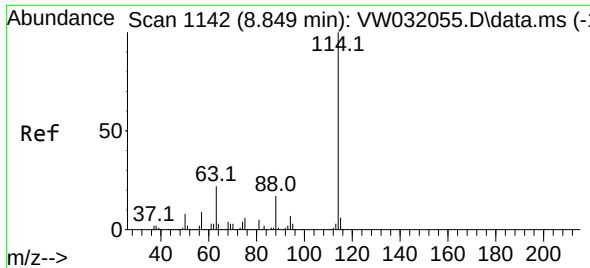
Tgt Ion:168 Resp: 140424
Ion Ratio Lower Upper
168 100
99 63.7 56.0 84.0



#33
1,2-Dichloroethane-d4
Concen: 59.626 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VW032099.D
Acq: 14 Aug 2025 17:17

Tgt Ion: 65 Resp: 121097
Ion Ratio Lower Upper
65 100
67 50.7 0.0 102.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1142

Delta R.T. 0.006 min

Lab File: VW032099.D

Acq: 14 Aug 2025 17:17

Instrument :

MSVOA_W

ClientSampleId :

10P-N

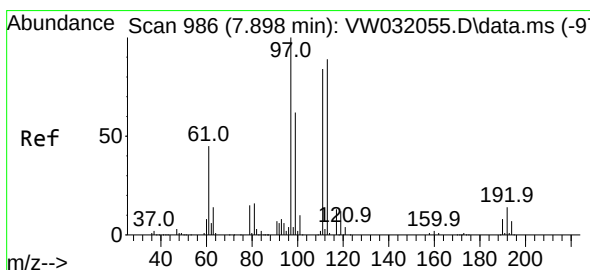
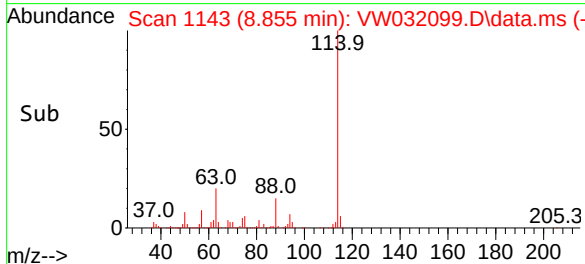
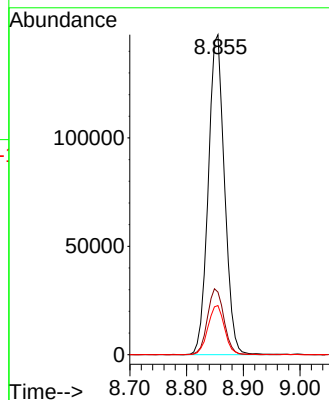
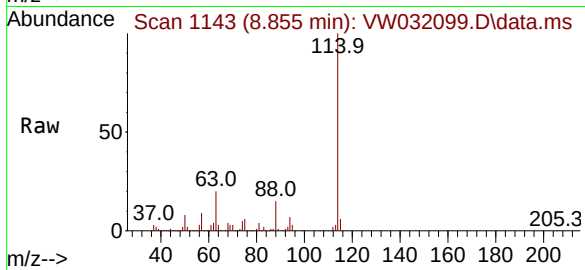
Tgt Ion:114 Resp: 293737

Ion Ratio Lower Upper

114 100

63 19.5 0.0 43.0

88 15.4 0.0 33.8



#35

Dibromofluoromethane

Concen: 55.085 ug/l

RT: 7.904 min Scan# 987

Delta R.T. 0.006 min

Lab File: VW032099.D

Acq: 14 Aug 2025 17:17

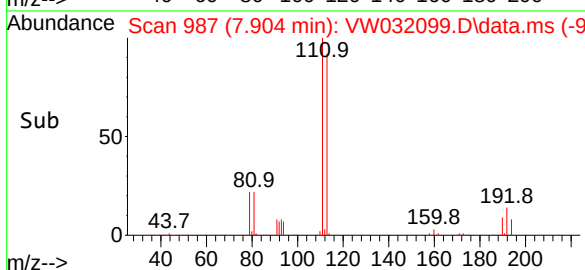
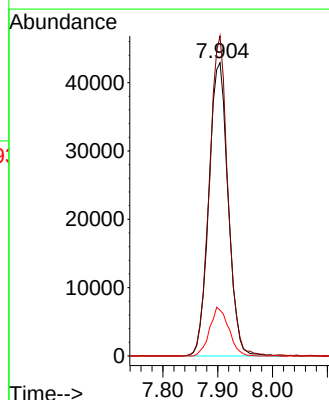
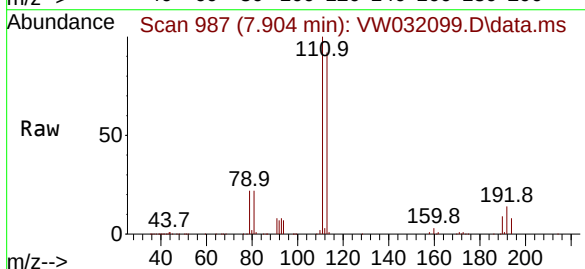
Tgt Ion:113 Resp: 104532

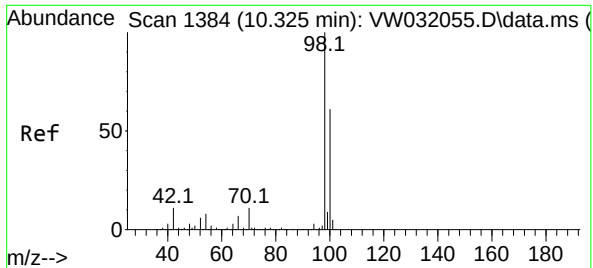
Ion Ratio Lower Upper

113 100

111 104.8 80.1 120.1

192 16.4 13.1 19.7

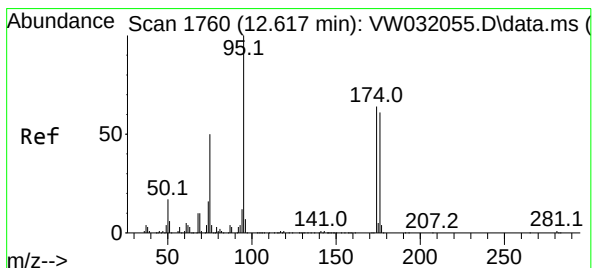
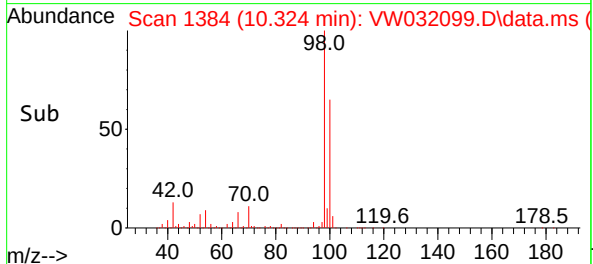
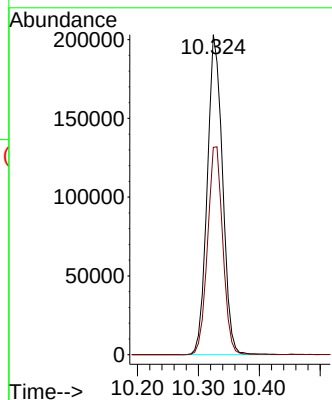
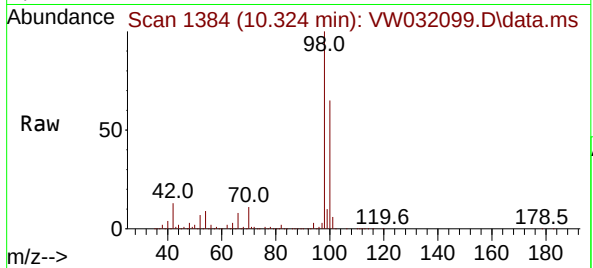




#50
Toluene-d8
Concen: 50.510 ug/l
RT: 10.324 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW032099.D
Acq: 14 Aug 2025 17:17

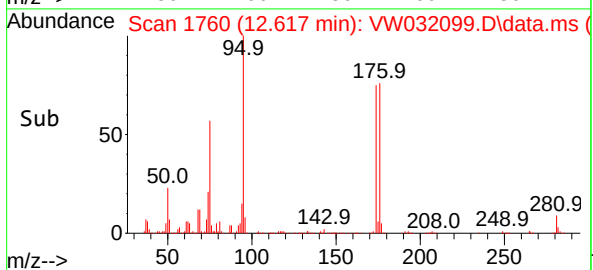
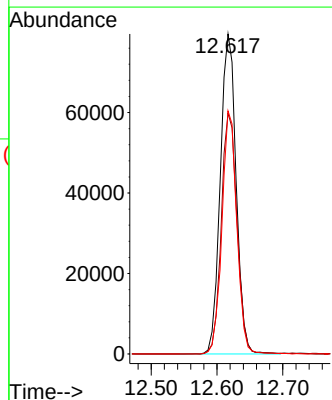
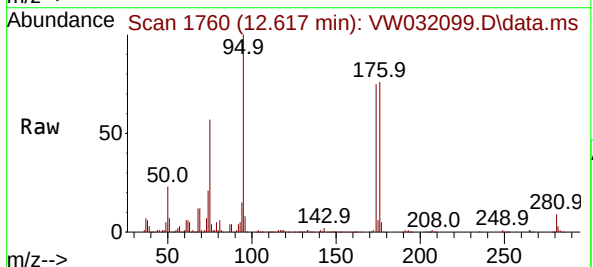
Instrument :
MSVOA_W
ClientSampleId :
10P-N

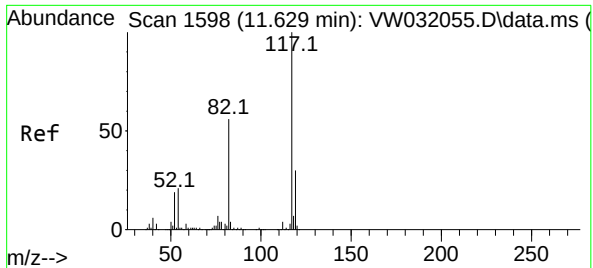
Tgt Ion: 98 Resp: 354525
Ion Ratio Lower Upper
98 100
100 64.9 51.1 76.7



#62
4-Bromofluorobenzene
Concen: 51.458 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032099.D
Acq: 14 Aug 2025 17:17

Tgt Ion: 95 Resp: 133098
Ion Ratio Lower Upper
95 100
174 75.2 0.0 129.0
176 71.5 0.0 124.6

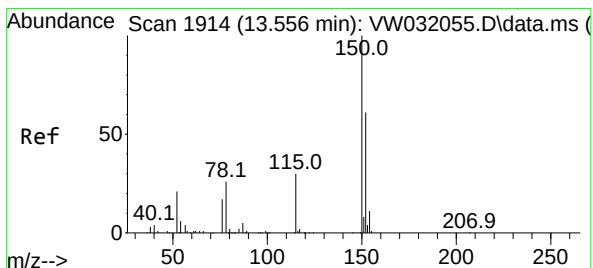
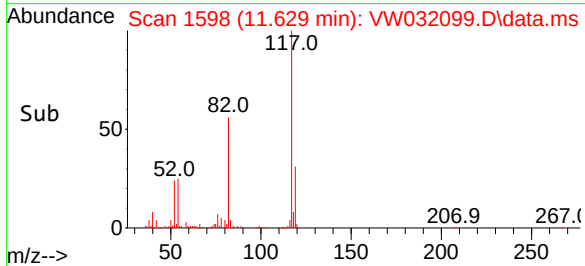
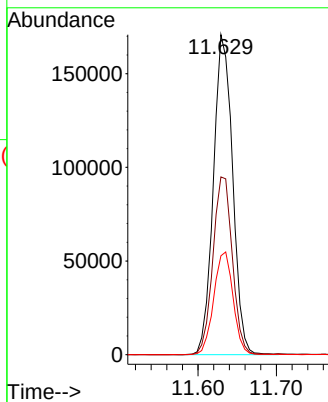
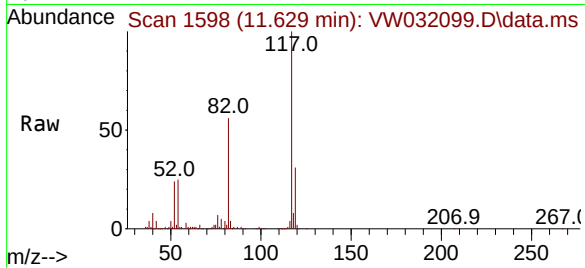




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW032099.D
Acq: 14 Aug 2025 17:17

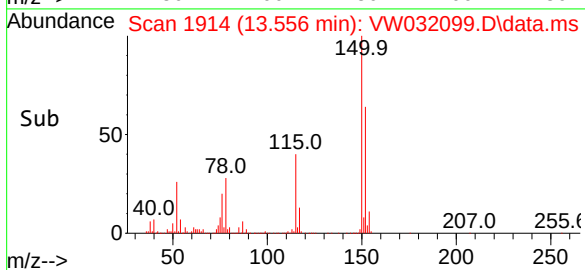
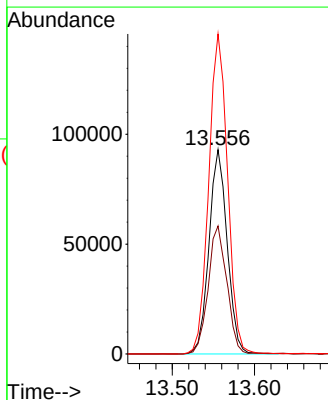
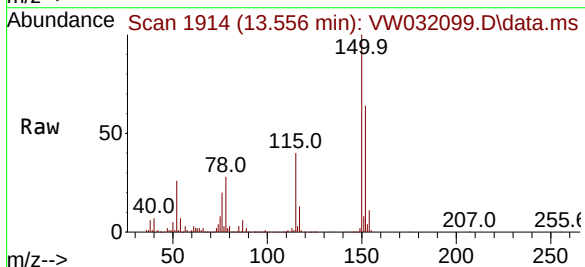
Instrument :
MSVOA_W
ClientSampleId :
10P-N

Tgt Ion	Ratio	Lower	Upper
117	100		
82	55.6	45.0	67.4
119	30.9	24.2	36.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. -0.000 min
Lab File: VW032099.D
Acq: 14 Aug 2025 17:17

Tgt Ion	Ratio	Lower	Upper
152	100		
115	64.4	32.6	97.8
150	161.9	0.0	359.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
Data File : VW032099.D
Acq On : 14 Aug 2025 17:17
Operator : SY/MD
Sample : Q2820-16
Misc : 6.08g/5mL/MSVOA_W/SOIL/A
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
10P-N

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M

Title : SW846 8260

Signal : TIC: VW032099.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.673	124	129	135	rBV10	4095	11265	1.14%	0.199%
2	4.966	492	505	514	rBV4	12597	53963	5.45%	0.954%
3	7.904	975	987	991	rBV	149128	354944	35.86%	6.275%
4	7.959	991	996	1009	rVB2	204482	467931	47.28%	8.273%
5	8.319	1046	1055	1071	rBV	150702	341864	34.54%	6.044%
6	8.849	1132	1142	1157	rBV	355179	729412	73.69%	12.895%
7	10.324	1376	1384	1399	rBV	551995	989774	100.00%	17.498%
8	11.629	1590	1598	1609	rBV	555865	954294	96.42%	16.871%
9	12.617	1748	1760	1771	rBV2	443955	782470	79.06%	13.833%
10	13.556	1907	1914	1922	rVV	607692	955648	96.55%	16.895%
11	14.062	1992	1997	2002	rBV2	9029	14799	1.50%	0.262%

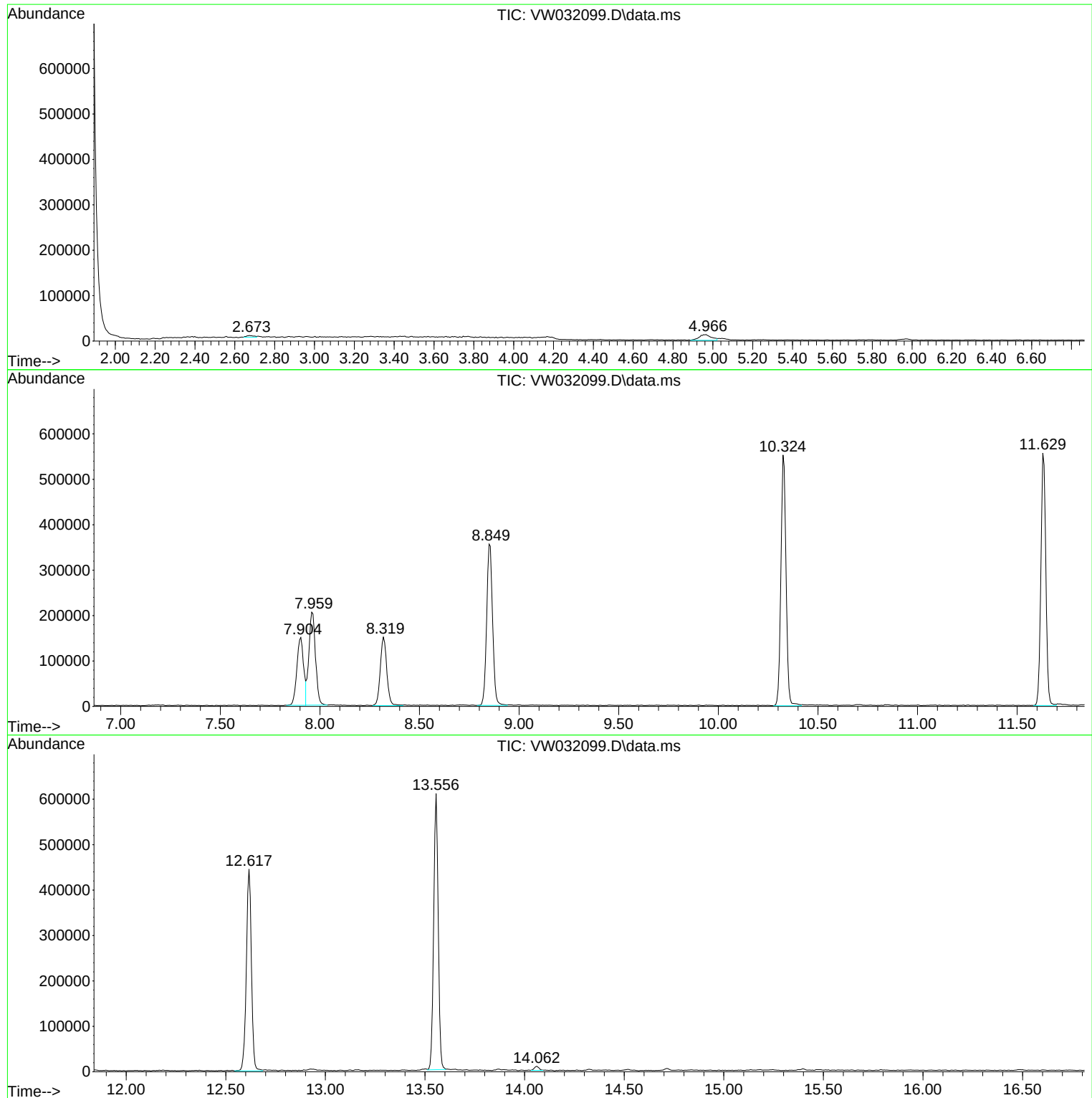
Sum of corrected areas: 5656364

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
Data File : VW032099.D
Acq On : 14 Aug 2025 17:17
Operator : SY/MD
Sample : Q2820-16
Misc : 6.08g/5mL/MSVOA_W/SOIL/A
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
10P-N

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
Data File : VW032099.D
Acq On : 14 Aug 2025 17:17
Operator : SY/MD
Sample : Q2820-16
Misc : 6.08g/5mL/MSVOA_W/SOIL/A
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
10P-N

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
Data File : VW032099.D
Acq On : 14 Aug 2025 17:17
Operator : SY/MD
Sample : Q2820-16
Misc : 6.08g/5mL/MSVOA_W/SOIL/A
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
10P-N

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260

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

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

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	88H-E	SDG No.:	Q2820
Lab Sample ID:	Q2820-17	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	82.6
Sample Wt/Vol:	6.84 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032100.D	1	08/14/25 17:40	VW081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	3.50	U	1.00	3.50	4.40	ug/Kg
74-87-3	Chloromethane	2.20	U	1.00	2.20	4.40	ug/Kg
75-01-4	Vinyl Chloride	2.20	U	0.70	2.20	4.40	ug/Kg
74-83-9	Bromomethane	3.50	U	0.95	3.50	4.40	ug/Kg
75-00-3	Chloroethane	2.20	U	1.10	2.20	4.40	ug/Kg
75-69-4	Trichlorofluoromethane	3.50	U	1.10	3.50	4.40	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	2.20	U	0.94	2.20	4.40	ug/Kg
75-35-4	1,1-Dichloroethene	2.20	U	0.88	2.20	4.40	ug/Kg
67-64-1	Acetone	17.7	U	4.20	17.7	22.1	ug/Kg
75-15-0	Carbon Disulfide	3.50	U	0.94	3.50	4.40	ug/Kg
1634-04-4	Methyl tert-butyl Ether	2.20	U	0.65	2.20	4.40	ug/Kg
79-20-9	Methyl Acetate	3.50	U	1.40	3.50	4.40	ug/Kg
75-09-2	Methylene Chloride	7.10	U	3.10	7.10	8.80	ug/Kg
156-60-5	trans-1,2-Dichloroethene	2.20	U	0.76	2.20	4.40	ug/Kg
75-34-3	1,1-Dichloroethane	2.20	U	0.71	2.20	4.40	ug/Kg
110-82-7	Cyclohexane	2.20	U	0.70	2.20	4.40	ug/Kg
78-93-3	2-Butanone	17.7	U	5.80	17.7	22.1	ug/Kg
56-23-5	Carbon Tetrachloride	2.20	U	0.86	2.20	4.40	ug/Kg
156-59-2	cis-1,2-Dichloroethene	2.20	U	0.66	2.20	4.40	ug/Kg
74-97-5	Bromochloromethane	3.50	U	1.00	3.50	4.40	ug/Kg
67-66-3	Chloroform	3.50	U	0.74	3.50	4.40	ug/Kg
71-55-6	1,1,1-Trichloroethane	2.20	U	0.82	2.20	4.40	ug/Kg
108-87-2	Methylcyclohexane	2.20	U	0.81	2.20	4.40	ug/Kg
71-43-2	Benzene	2.20	U	0.70	2.20	4.40	ug/Kg
107-06-2	1,2-Dichloroethane	2.20	U	0.70	2.20	4.40	ug/Kg
79-01-6	Trichloroethene	2.20	U	0.72	2.20	4.40	ug/Kg
78-87-5	1,2-Dichloropropane	2.20	U	0.81	2.20	4.40	ug/Kg
75-27-4	Bromodichloromethane	2.20	U	0.69	2.20	4.40	ug/Kg
108-10-1	4-Methyl-2-Pentanone	11.1	U	3.20	11.1	22.1	ug/Kg
108-88-3	Toluene	2.20	U	0.69	2.20	4.40	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	88H-E	SDG No.:	Q2820
Lab Sample ID:	Q2820-17	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	82.6
Sample Wt/Vol:	6.84 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032100.D	1	08/14/25 17:40	VW081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	2.20	U	0.58	2.20	4.40	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	2.20	U	0.55	2.20	4.40	ug/Kg
79-00-5	1,1,2-Trichloroethane	2.20	U	0.81	2.20	4.40	ug/Kg
591-78-6	2-Hexanone	11.1	U	3.30	11.1	22.1	ug/Kg
124-48-1	Dibromochloromethane	2.20	U	0.77	2.20	4.40	ug/Kg
106-93-4	1,2-Dibromoethane	2.20	U	0.78	2.20	4.40	ug/Kg
127-18-4	Tetrachloroethene	2.20	U	0.93	2.20	4.40	ug/Kg
108-90-7	Chlorobenzene	2.20	U	0.81	2.20	4.40	ug/Kg
100-41-4	Ethyl Benzene	2.20	U	0.59	2.20	4.40	ug/Kg
179601-23-1	m/p-Xylenes	4.40	U	1.10	4.40	8.80	ug/Kg
95-47-6	o-Xylene	2.20	U	0.73	2.20	4.40	ug/Kg
100-42-5	Styrene	2.20	U	0.63	2.20	4.40	ug/Kg
75-25-2	Bromoform	2.20	U	0.76	2.20	4.40	ug/Kg
98-82-8	Isopropylbenzene	2.20	U	0.69	2.20	4.40	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	2.20	U	1.10	2.20	4.40	ug/Kg
541-73-1	1,3-Dichlorobenzene	2.20	U	1.50	2.20	4.40	ug/Kg
106-46-7	1,4-Dichlorobenzene	2.20	U	1.40	2.20	4.40	ug/Kg
95-50-1	1,2-Dichlorobenzene	2.20	U	1.30	2.20	4.40	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.50	U	1.60	3.50	4.40	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.50	U	2.60	3.50	4.40	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.50	U	2.80	3.50	4.40	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	60.2		71 - 136		120%	SPK: 50
1868-53-7	Dibromofluoromethane	55.2		78 - 119		110%	SPK: 50
2037-26-5	Toluene-d8	49.1		85 - 116		98%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.8		79 - 119		98%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	139000	7.965				
540-36-3	1,4-Difluorobenzene	294000	8.849				
3114-55-4	Chlorobenzene-d5	290000	11.635				
3855-82-1	1,4-Dichlorobenzene-d4	141000	13.556				

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	88H-E	SDG No.:	Q2820
Lab Sample ID:	Q2820-17	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	82.6
Sample Wt/Vol:	6.84 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032100.D	1	08/14/25 17:40	VW081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 E = Value Exceeds Calibration Range
 Q = indicates LCS control criteria did not meet requirements
 M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 N = Presumptive Evidence of a Compound
 * = Values outside of QC limits
 D = Dilution
 () = Laboratory InHouse Limit
 A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
Data File : VW032100.D
Acq On : 14 Aug 2025 17:40
Operator : SY/MD
Sample : Q2820-17
Misc : 6.84g/5mL/MSVOA_W/SOIL/A
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
88H-E

Quant Time: Aug 18 03:56:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 12 04:04:48 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.965	168	138538	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	294077	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	290017	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	141036	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	120564	60.172	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	=	120.340%	
35) Dibromofluoromethane	7.898	113	104879	55.204	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	=	110.400%	
50) Toluene-d8	10.325	98	344847	49.075	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	=	98.140%	
62) 4-Bromofluorobenzene	12.617	95	126423	48.821	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	=	97.640%	

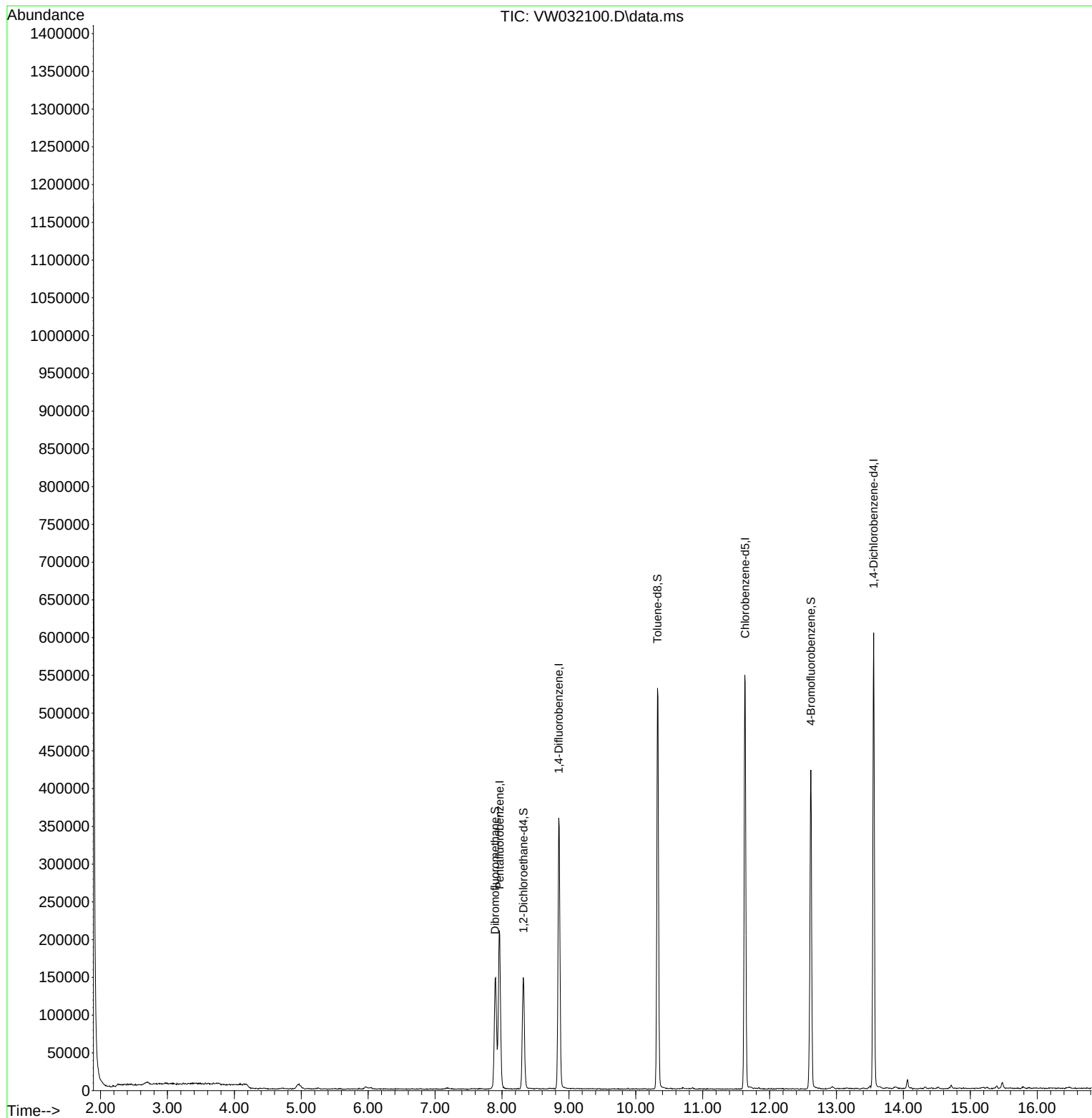
Target Compounds	Qvalue
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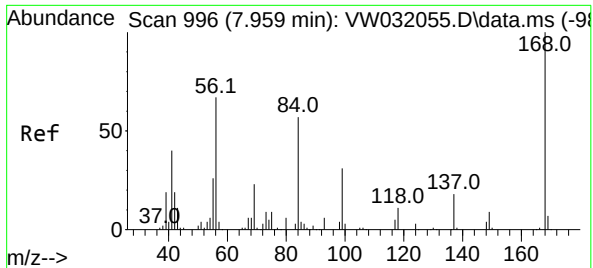
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
Data File : VW032100.D
Acq On : 14 Aug 2025 17:40
Operator : SY/MD
Sample : Q2820-17
Misc : 6.84g/5mL/MSVOA_W/SOIL/A
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
88H-E

Quant Time: Aug 18 03:56:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 12 04:04:48 2025
Response via : Initial Calibration

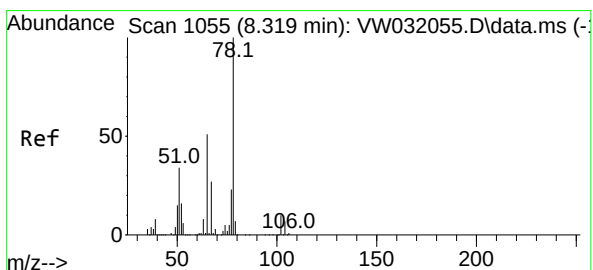
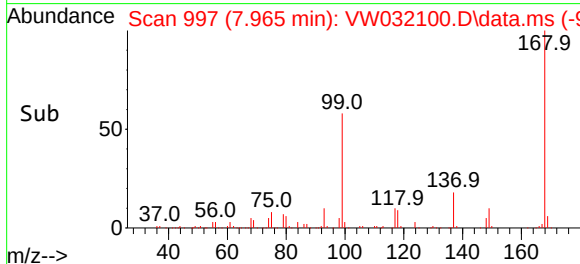
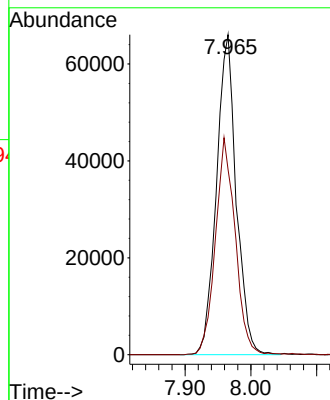
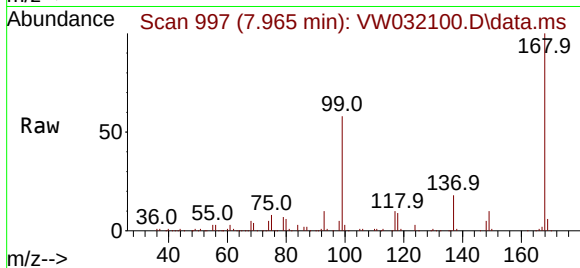




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 99
Delta R.T. 0.006 min
Lab File: VW032100.D
Acq: 14 Aug 2025 17:40

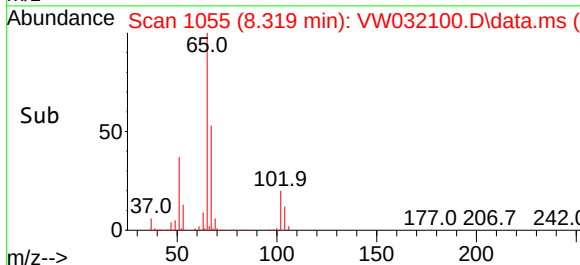
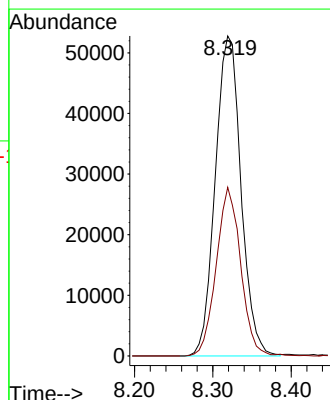
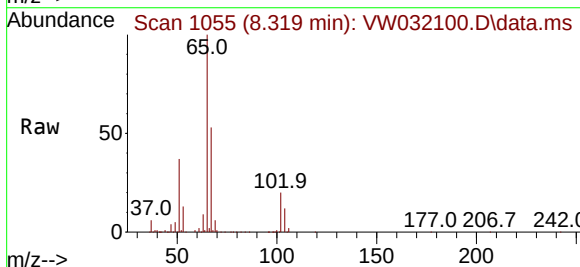
Instrument :
MSVOA_W
ClientSampleId :
88H-E

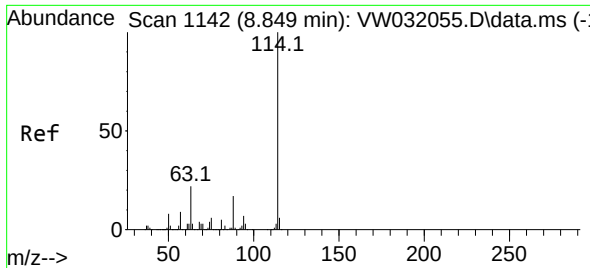
Tgt Ion:168 Resp: 138538
Ion Ratio Lower Upper
168 100
99 57.9 56.0 84.0



#33
1,2-Dichloroethane-d4
Concen: 60.172 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VW032100.D
Acq: 14 Aug 2025 17:40

Tgt Ion: 65 Resp: 120564
Ion Ratio Lower Upper
65 100
67 50.1 0.0 102.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.849 min Scan# 1142

Delta R.T. -0.000 min

Lab File: VW032100.D

Acq: 14 Aug 2025 17:40

Instrument :

MSVOA_W

ClientSampleId :

88H-E

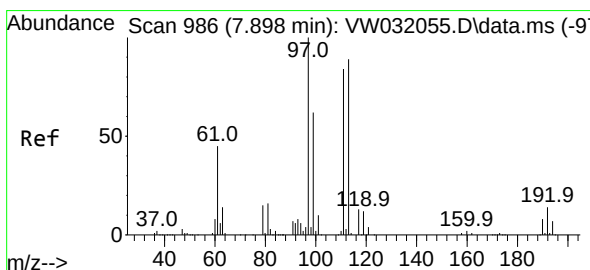
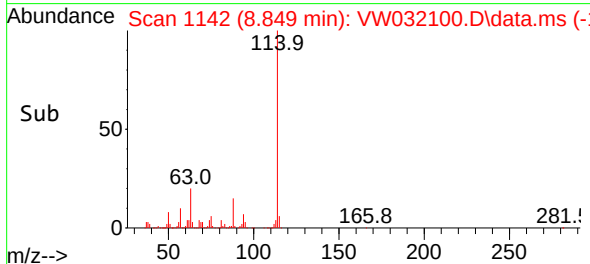
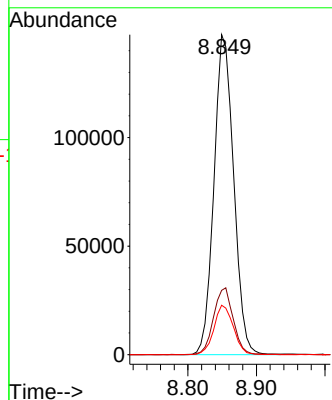
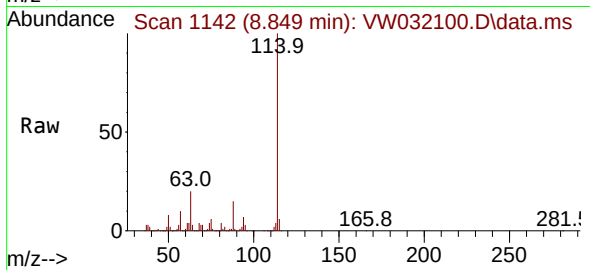
Tgt Ion:114 Resp: 294077

Ion Ratio Lower Upper

114 100

63 20.1 0.0 43.0

88 15.5 0.0 33.8



#35

Dibromofluoromethane

Concen: 55.204 ug/l

RT: 7.898 min Scan# 986

Delta R.T. -0.000 min

Lab File: VW032100.D

Acq: 14 Aug 2025 17:40

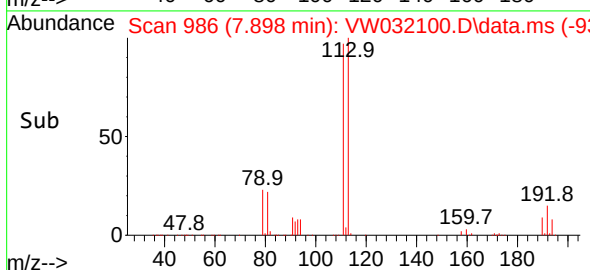
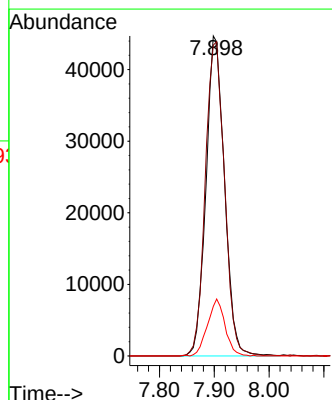
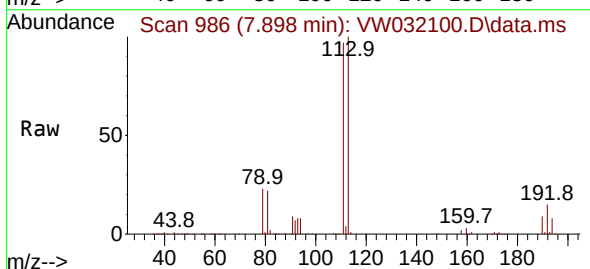
Tgt Ion:113 Resp: 104879

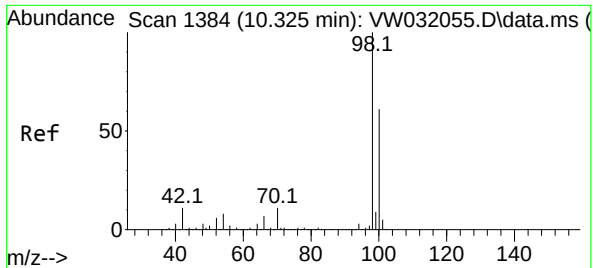
Ion Ratio Lower Upper

113 100

111 101.4 80.1 120.1

192 16.9 13.1 19.7

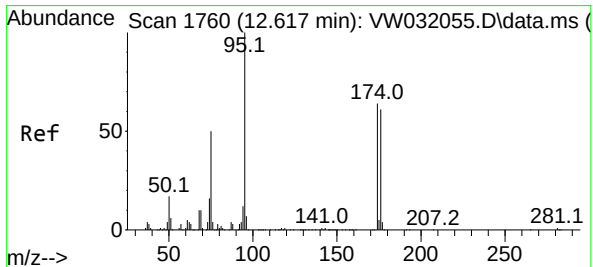
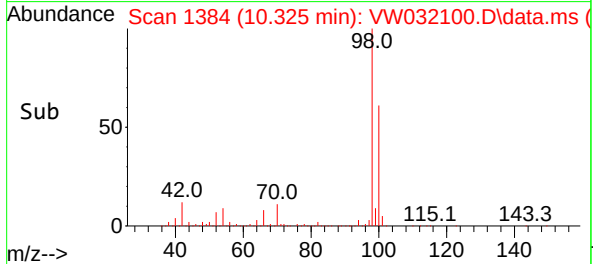
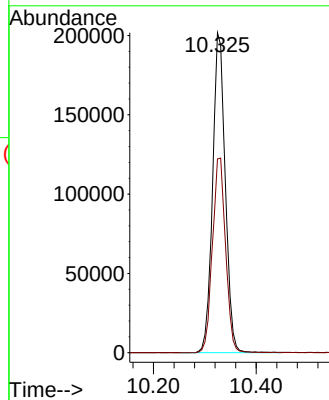
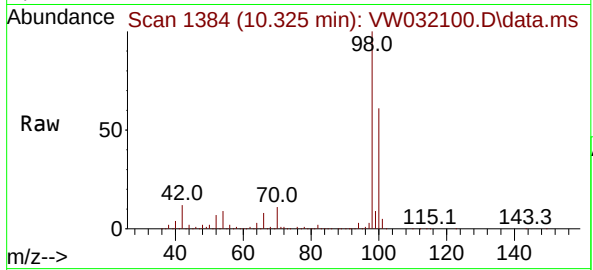




#50
Toluene-d8
Concen: 49.075 ug/l
RT: 10.325 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW032100.D
Acq: 14 Aug 2025 17:40

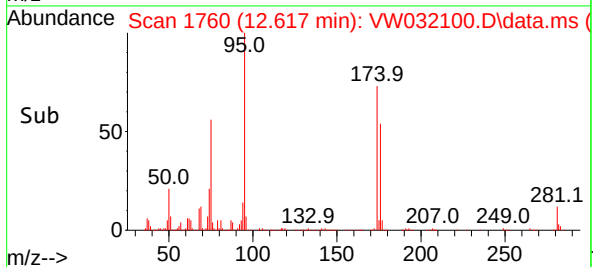
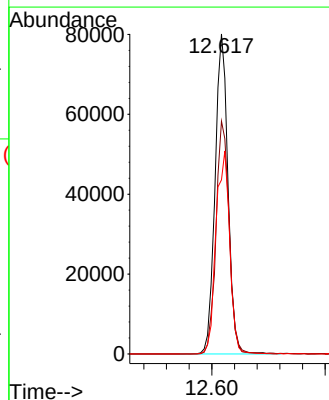
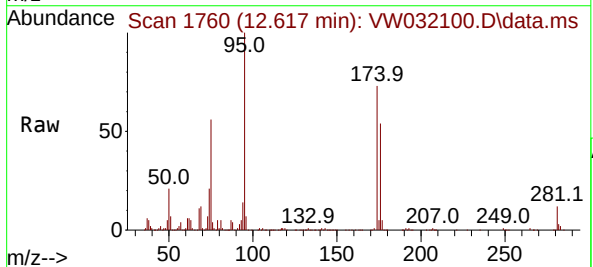
Instrument :
MSVOA_W
ClientSampleId :
88H-E

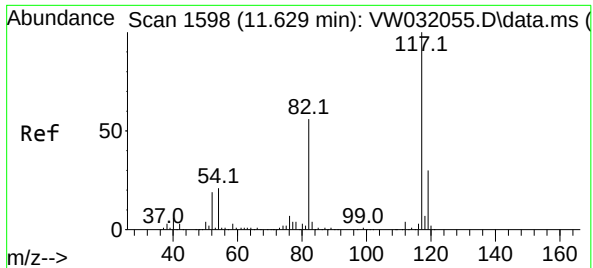
Tgt Ion: 98 Resp: 344847
Ion Ratio Lower Upper
98 100
100 63.3 51.1 76.7



#62
4-Bromofluorobenzene
Concen: 48.821 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032100.D
Acq: 14 Aug 2025 17:40

Tgt Ion: 95 Resp: 126423
Ion Ratio Lower Upper
95 100
174 74.1 0.0 129.0
176 67.6 0.0 124.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.635 min Scan# 11

Delta R.T. 0.006 min

Lab File: VW032100.D

Acq: 14 Aug 2025 17:40

Instrument :

MSVOA_W

ClientSampleId :

88H-E

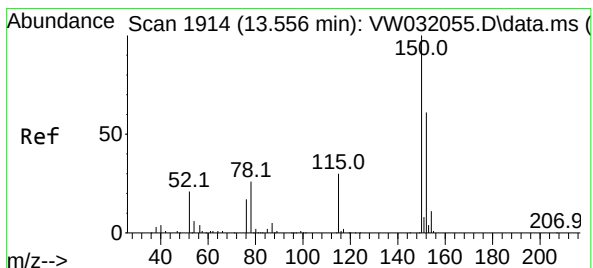
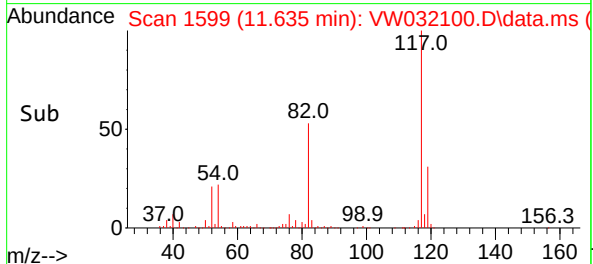
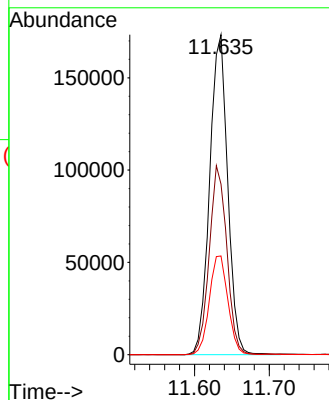
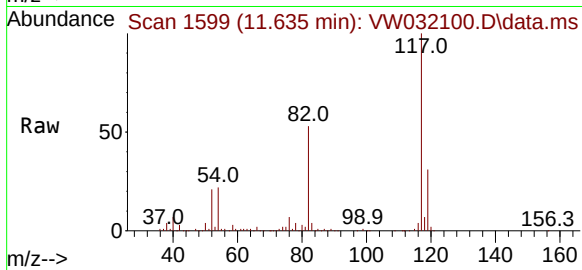
Tgt Ion:117 Resp: 290017

Ion Ratio Lower Upper

117 100

82 53.3 45.0 67.4

119 30.8 24.2 36.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.556 min Scan# 1914

Delta R.T. -0.000 min

Lab File: VW032100.D

Acq: 14 Aug 2025 17:40

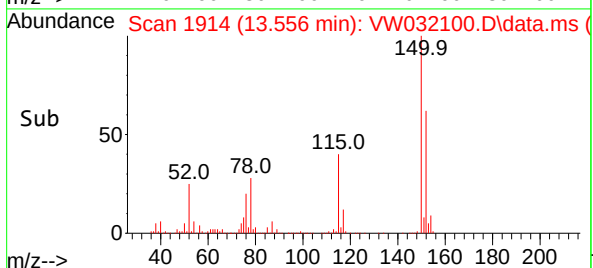
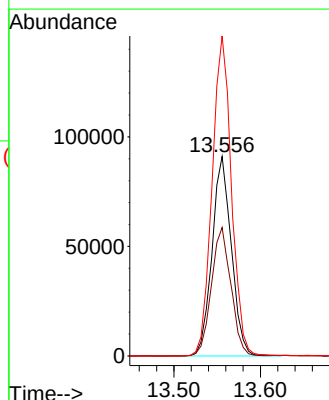
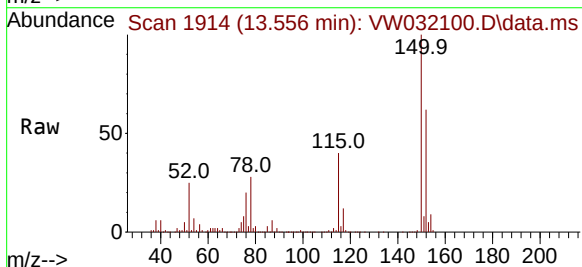
Tgt Ion:152 Resp: 141036

Ion Ratio Lower Upper

152 100

115 65.1 32.6 97.8

150 160.9 0.0 359.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
Data File : VW032100.D
Acq On : 14 Aug 2025 17:40
Operator : SY/MD
Sample : Q2820-17
Misc : 6.84g/5mL/MSVOA_W/SOIL/A
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
88H-E

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M

Title : SW846 8260

Signal : TIC: VW032100.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	7.904	975	987	991	rBV	146694	349173	36.81%	6.322%
2	7.959	991	996	1006	rVB	208299	467007	49.24%	8.455%
3	8.319	1046	1055	1066	rBV2	147312	329576	34.75%	5.967%
4	8.849	1133	1142	1155	rBV	359426	731961	77.17%	13.252%
5	10.325	1376	1384	1395	rBV	530677	941318	99.25%	17.042%
6	11.629	1591	1598	1607	rBV	548463	948476	100.00%	17.171%
7	12.617	1746	1760	1772	rBV3	422862	767892	80.96%	13.902%
8	13.556	1907	1914	1925	rBV	602267	948281	99.98%	17.168%
9	14.062	1988	1997	2003	rBV2	11815	21781	2.30%	0.394%
10	15.476	2220	2229	2236	rBV2	8270	18108	1.91%	0.328%

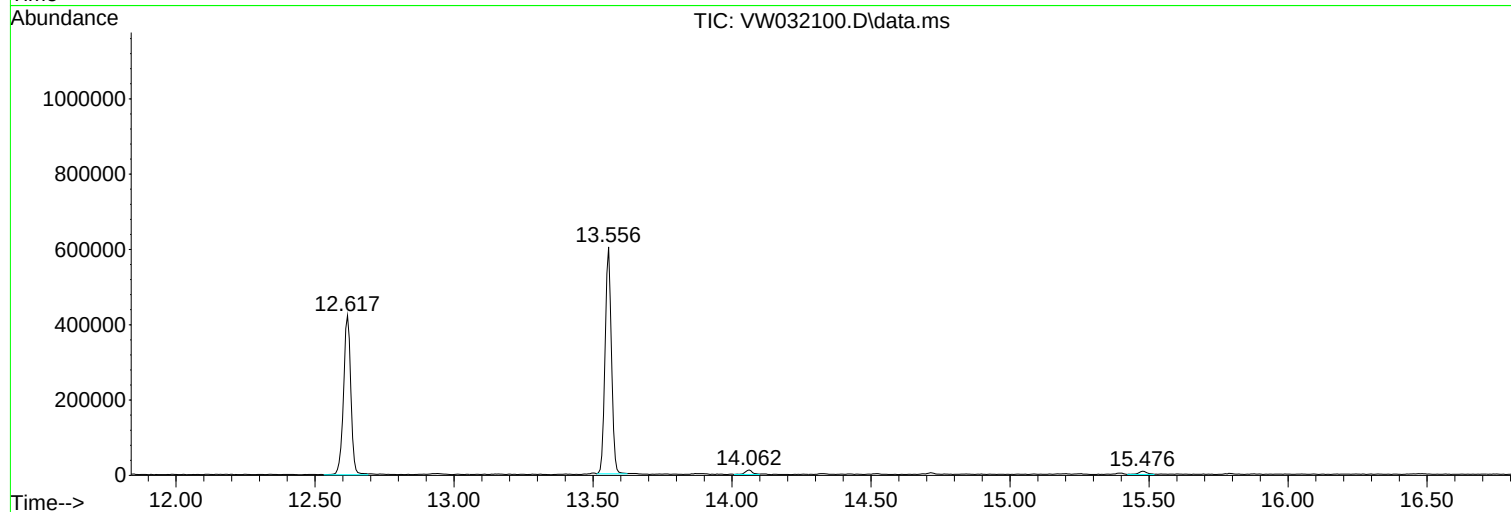
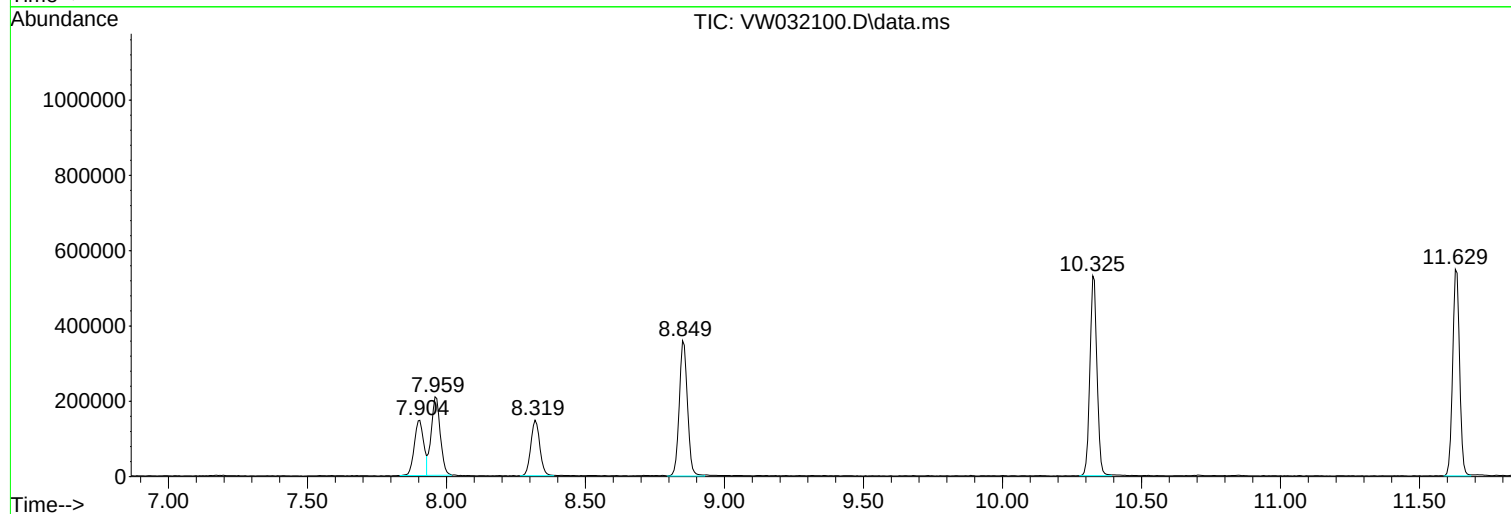
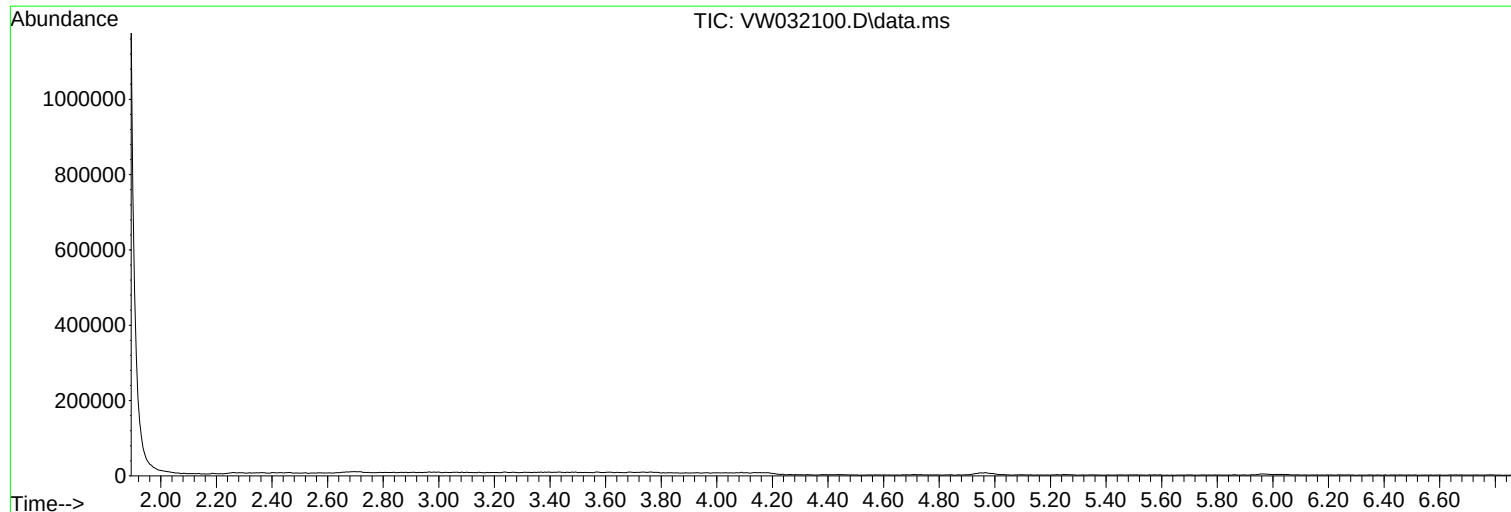
Sum of corrected areas: 5523573

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
Data File : VW032100.D
Acq On : 14 Aug 2025 17:40
Operator : SY/MD
Sample : Q2820-17
Misc : 6.84g/5mL/MSVOA_W/SOIL/A
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
88H-E

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
Data File : VW032100.D
Acq On : 14 Aug 2025 17:40
Operator : SY/MD
Sample : Q2820-17
Misc : 6.84g/5mL/MSVOA_W/SOIL/A
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
88H-E

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
Data File : VW032100.D
Acq On : 14 Aug 2025 17:40
Operator : SY/MD
Sample : Q2820-17
Misc : 6.84g/5mL/MSVOA_W/SOIL/A
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
88H-E

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260

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

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

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	88H-N	SDG No.:	Q2820
Lab Sample ID:	Q2820-18	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	86.3
Sample Wt/Vol:	7.59 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032101.D	1	08/14/25 18:02	VW081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	3.10	U	0.87	3.10	3.80	ug/Kg
74-87-3	Chloromethane	1.90	U	0.87	1.90	3.80	ug/Kg
75-01-4	Vinyl Chloride	1.90	U	0.60	1.90	3.80	ug/Kg
74-83-9	Bromomethane	3.10	U	0.82	3.10	3.80	ug/Kg
75-00-3	Chloroethane	1.90	U	0.96	1.90	3.80	ug/Kg
75-69-4	Trichlorofluoromethane	3.10	U	0.92	3.10	3.80	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.90	U	0.81	1.90	3.80	ug/Kg
75-35-4	1,1-Dichloroethene	1.90	U	0.76	1.90	3.80	ug/Kg
67-64-1	Acetone	64.0		3.60	15.3	19.1	ug/Kg
75-15-0	Carbon Disulfide	3.10	U	0.81	3.10	3.80	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.90	U	0.56	1.90	3.80	ug/Kg
79-20-9	Methyl Acetate	3.10	U	1.20	3.10	3.80	ug/Kg
75-09-2	Methylene Chloride	6.10	U	2.70	6.10	7.60	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.90	U	0.66	1.90	3.80	ug/Kg
75-34-3	1,1-Dichloroethane	1.90	U	0.61	1.90	3.80	ug/Kg
110-82-7	Cyclohexane	1.90	U	0.60	1.90	3.80	ug/Kg
78-93-3	2-Butanone	6.70	J	5.00	15.3	19.1	ug/Kg
56-23-5	Carbon Tetrachloride	1.90	U	0.74	1.90	3.80	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1.90	U	0.57	1.90	3.80	ug/Kg
74-97-5	Bromochloromethane	3.10	U	0.88	3.10	3.80	ug/Kg
67-66-3	Chloroform	3.10	U	0.64	3.10	3.80	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.90	U	0.71	1.90	3.80	ug/Kg
108-87-2	Methylcyclohexane	1.90	U	0.69	1.90	3.80	ug/Kg
71-43-2	Benzene	1.90	U	0.60	1.90	3.80	ug/Kg
107-06-2	1,2-Dichloroethane	1.90	U	0.60	1.90	3.80	ug/Kg
79-01-6	Trichloroethene	1.90	U	0.62	1.90	3.80	ug/Kg
78-87-5	1,2-Dichloropropane	1.90	U	0.69	1.90	3.80	ug/Kg
75-27-4	Bromodichloromethane	1.90	U	0.60	1.90	3.80	ug/Kg
108-10-1	4-Methyl-2-Pentanone	9.50	U	2.70	9.50	19.1	ug/Kg
108-88-3	Toluene	1.90	U	0.60	1.90	3.80	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	88H-N	SDG No.:	Q2820
Lab Sample ID:	Q2820-18	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	86.3
Sample Wt/Vol:	7.59 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032101.D	1	08/14/25 18:02	VW081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	1.90	U	0.50	1.90	3.80	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.90	U	0.47	1.90	3.80	ug/Kg
79-00-5	1,1,2-Trichloroethane	1.90	U	0.70	1.90	3.80	ug/Kg
591-78-6	2-Hexanone	9.50	U	2.80	9.50	19.1	ug/Kg
124-48-1	Dibromochloromethane	1.90	U	0.66	1.90	3.80	ug/Kg
106-93-4	1,2-Dibromoethane	1.90	U	0.67	1.90	3.80	ug/Kg
127-18-4	Tetrachloroethene	1.90	U	0.80	1.90	3.80	ug/Kg
108-90-7	Chlorobenzene	1.90	U	0.69	1.90	3.80	ug/Kg
100-41-4	Ethyl Benzene	1.90	U	0.51	1.90	3.80	ug/Kg
179601-23-1	m/p-Xylenes	3.80	U	0.95	3.80	7.60	ug/Kg
95-47-6	o-Xylene	1.90	U	0.63	1.90	3.80	ug/Kg
100-42-5	Styrene	1.90	U	0.54	1.90	3.80	ug/Kg
75-25-2	Bromoform	1.90	U	0.66	1.90	3.80	ug/Kg
98-82-8	Isopropylbenzene	1.90	U	0.60	1.90	3.80	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.90	U	0.92	1.90	3.80	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.90	U	1.30	1.90	3.80	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.90	U	1.20	1.90	3.80	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.90	U	1.10	1.90	3.80	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.10	U	1.40	3.10	3.80	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.10	U	2.30	3.10	3.80	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.10	U	2.40	3.10	3.80	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	58.4		71 - 136		117%	SPK: 50
1868-53-7	Dibromofluoromethane	55.7		78 - 119		111%	SPK: 50
2037-26-5	Toluene-d8	50.5		85 - 116		101%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.0		79 - 119		106%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	147000	7.959				
540-36-3	1,4-Difluorobenzene	297000	8.856				
3114-55-4	Chlorobenzene-d5	296000	11.629				
3855-82-1	1,4-Dichlorobenzene-d4	149000	13.556				

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	88H-N	SDG No.:	Q2820
Lab Sample ID:	Q2820-18	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	86.3
Sample Wt/Vol:	7.59 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032101.D	1	08/14/25 18:02	VW081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
------------	-----------	-------	-----------	-----	-----	------------	-------

U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 E = Value Exceeds Calibration Range
 Q = indicates LCS control criteria did not meet requirements
 M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 N = Presumptive Evidence of a Compound
 * = Values outside of QC limits
 D = Dilution
 () = Laboratory InHouse Limit
 A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
Data File : VW032101.D
Acq On : 14 Aug 2025 18:02
Operator : SY/MD
Sample : Q2820-18
Misc : 7.59g/5mL/MSVOA_W/SOIL/A
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
88H-N

Quant Time: Aug 18 03:56:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 12 04:04:48 2025
Response via : Initial Calibration

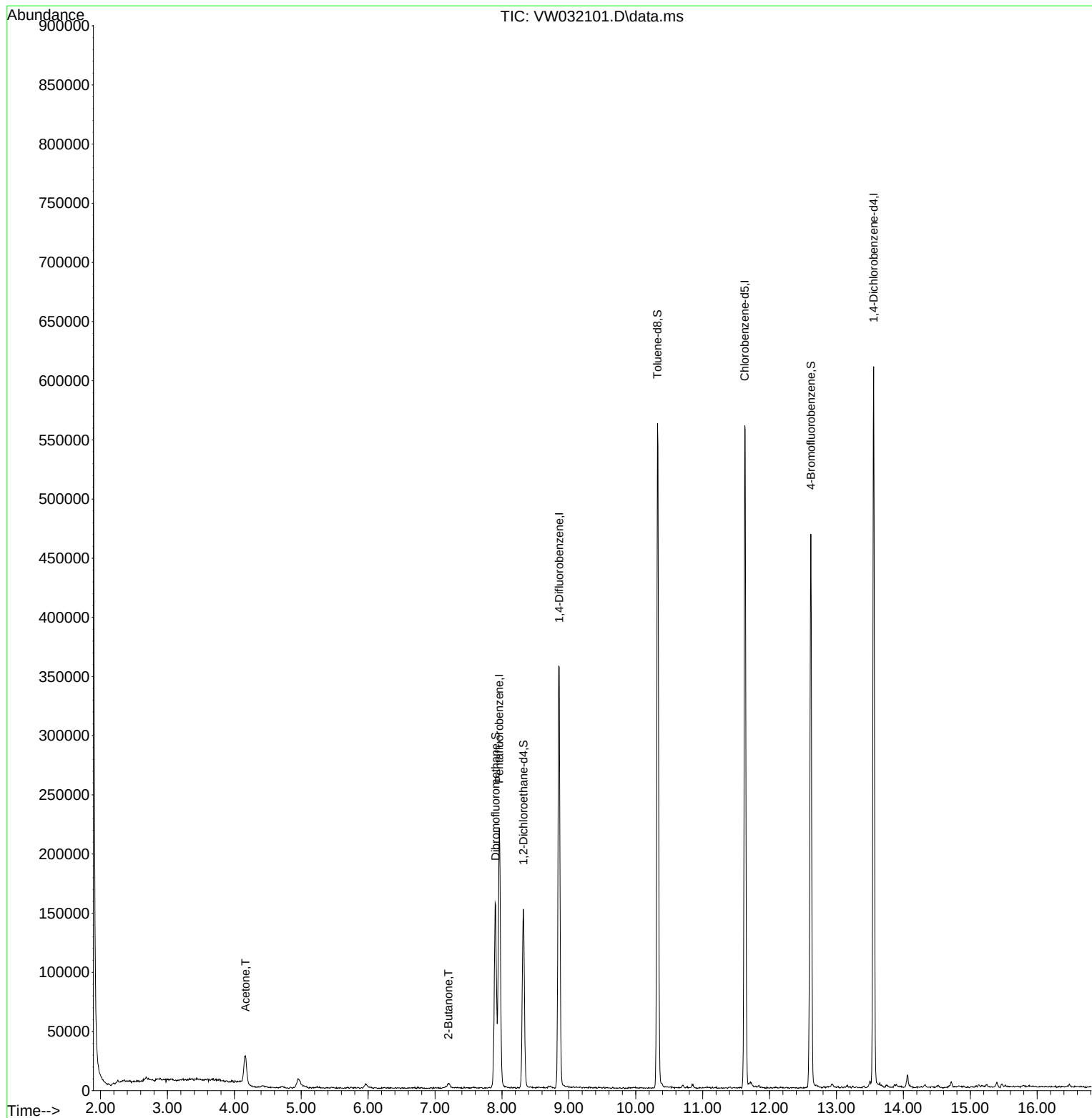
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.959	168	147385	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	297090	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	296209	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	149072	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	124522	58.417	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	= 116.840%		
35) Dibromofluoromethane	7.904	113	106924	55.709	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	= 111.420%		
50) Toluene-d8	10.325	98	358263	50.467	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	= 100.940%		
62) 4-Bromofluorobenzene	12.617	95	138690	53.015	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	= 106.020%		
Target Compounds						Qvalue
16) Acetone	4.167	43	41408	83.903	ug/l	90
25) 2-Butanone	7.197	43	6117	8.721	ug/l	93

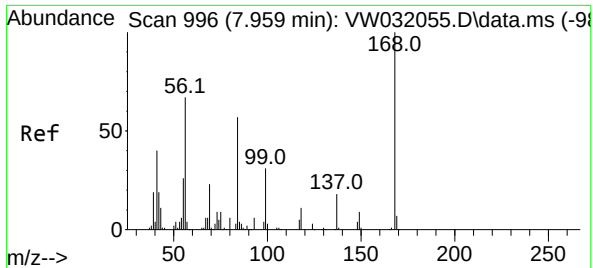
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
Data File : VW032101.D
Acq On : 14 Aug 2025 18:02
Operator : SY/MD
Sample : Q2820-18
Misc : 7.59g/5mL/MSVOA_W/SOIL/A
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
88H-N

Quant Time: Aug 18 03:56:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 12 04:04:48 2025
Response via : Initial Calibration

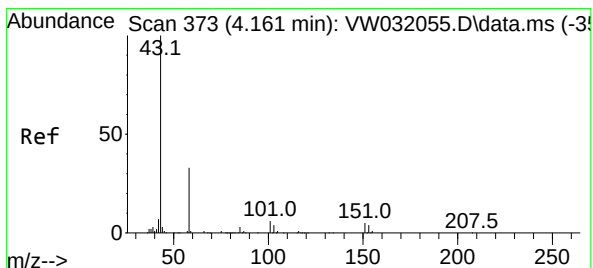
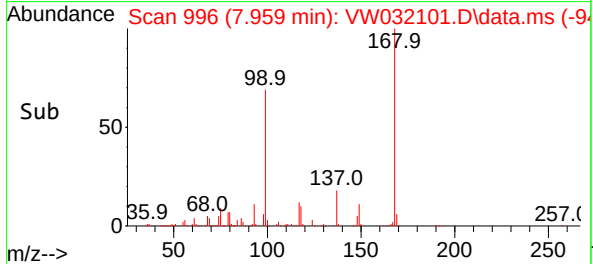
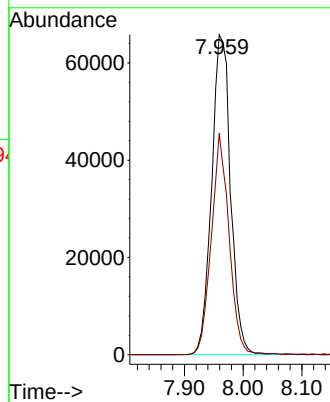
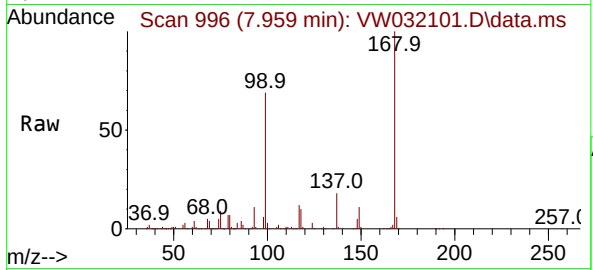




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 996
Delta R.T. 0.000 min
Lab File: VW032101.D
Acq: 14 Aug 2025 18:02

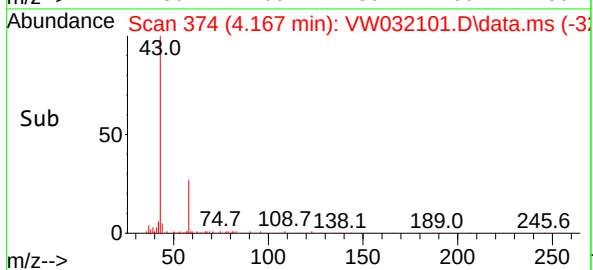
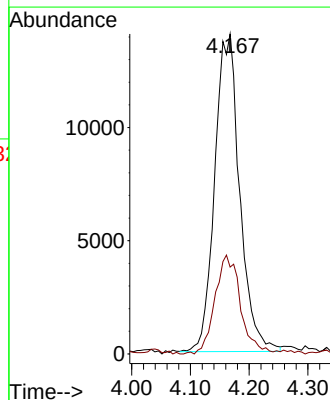
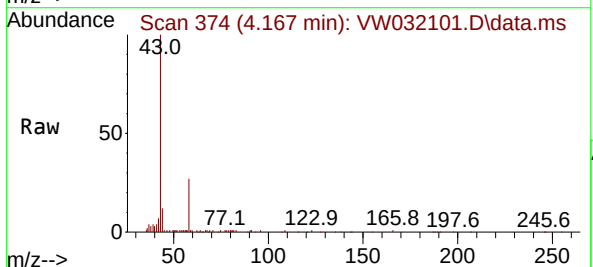
Instrument :
MSVOA_W
ClientSampleId :
88H-N

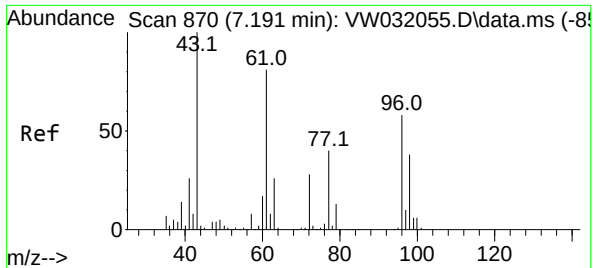
Tgt Ion:168 Resp: 147385
Ion Ratio Lower Upper
168 100
99 69.1 56.0 84.0



#16
Acetone
Concen: 83.903 ug/l
RT: 4.167 min Scan# 374
Delta R.T. 0.006 min
Lab File: VW032101.D
Acq: 14 Aug 2025 18:02

Tgt Ion: 43 Resp: 41408
Ion Ratio Lower Upper
43 100
58 27.4 26.6 39.8

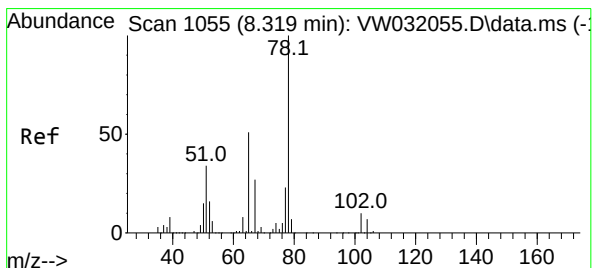
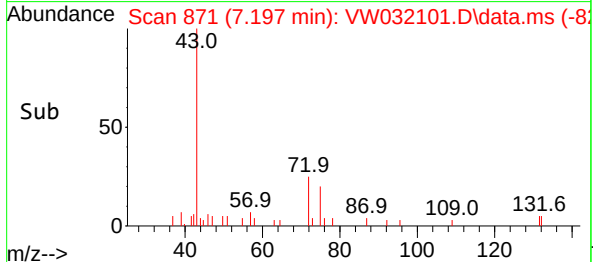
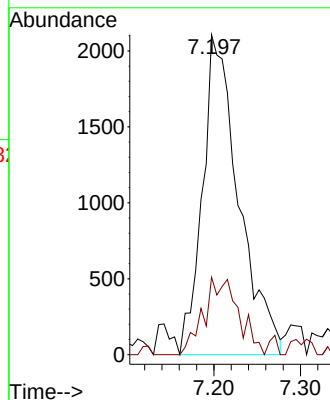
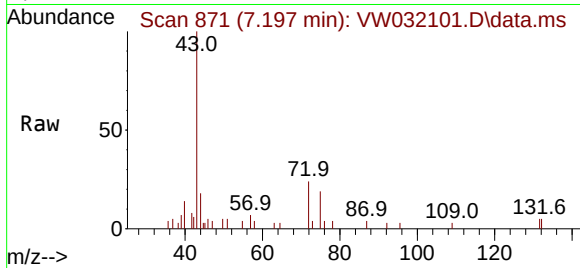




#25
2-Butanone
Concen: 8.721 ug/l
RT: 7.197 min Scan# 81
Delta R.T. 0.006 min
Lab File: VW032101.D
Acq: 14 Aug 2025 18:02

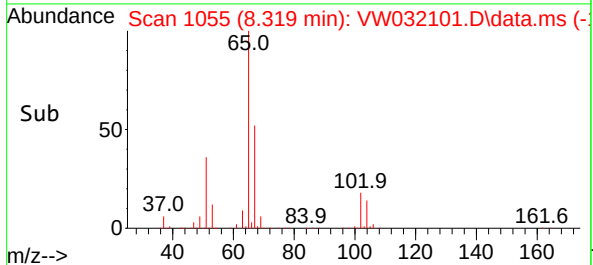
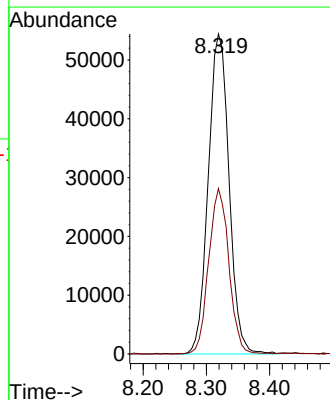
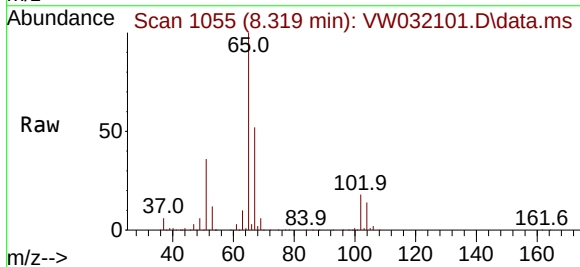
Instrument :
MSVOA_W
ClientSampleId :
88H-N

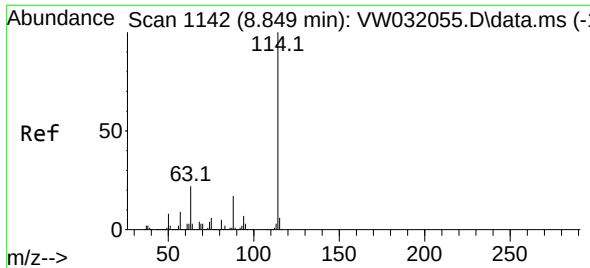
Tgt Ion: 43 Resp: 6117
Ion Ratio Lower Upper
43 100
72 24.2 22.3 33.5



#33
1,2-Dichloroethane-d4
Concen: 58.417 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW032101.D
Acq: 14 Aug 2025 18:02

Tgt Ion: 65 Resp: 124522
Ion Ratio Lower Upper
65 100
67 50.3 0.0 102.4

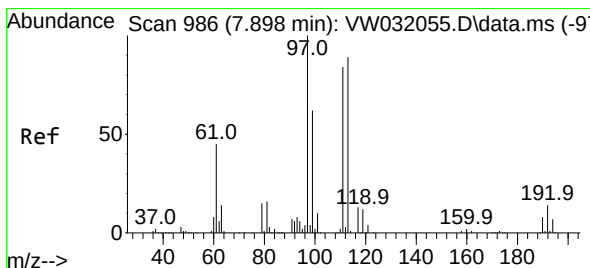
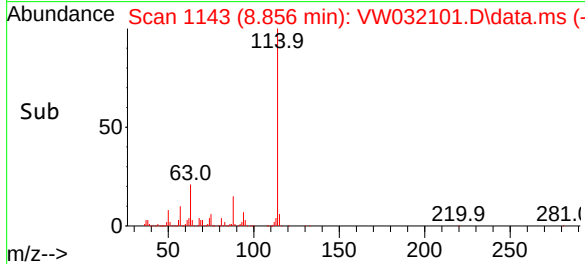
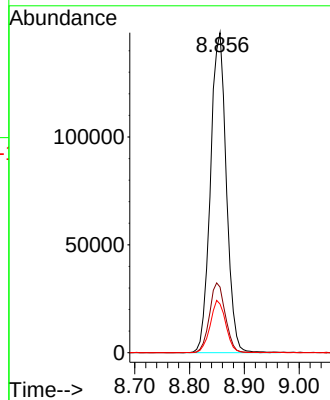
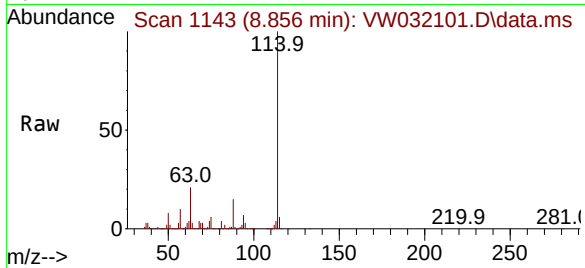




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.856 min Scan# 1142
Delta R.T. 0.006 min
Lab File: VW032101.D
Acq: 14 Aug 2025 18:02

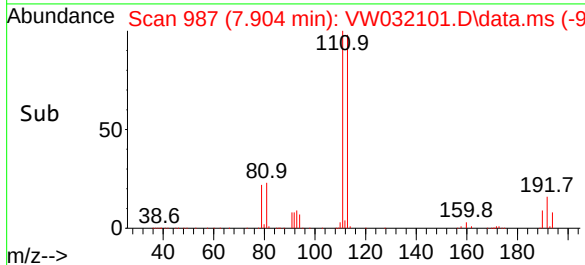
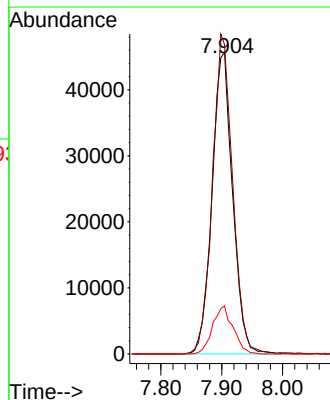
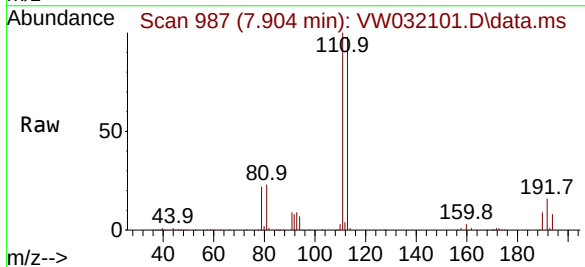
Instrument :
MSVOA_W
ClientSampleId :
88H-N

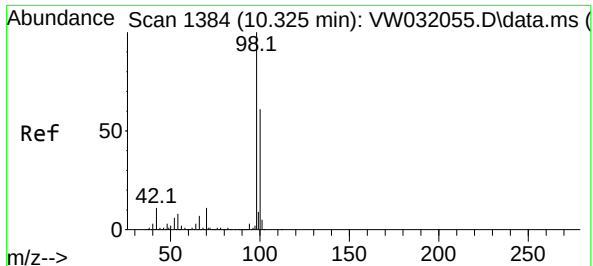
Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.5	0.0	43.0
88	15.2	0.0	33.8



#35
Dibromofluoromethane
Concen: 55.709 ug/l
RT: 7.904 min Scan# 987
Delta R.T. 0.006 min
Lab File: VW032101.D
Acq: 14 Aug 2025 18:02

Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.3	80.1	120.1
192	15.8	13.1	19.7

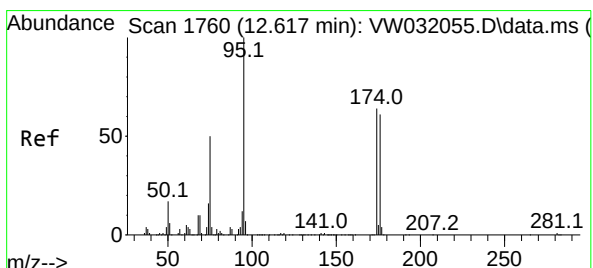
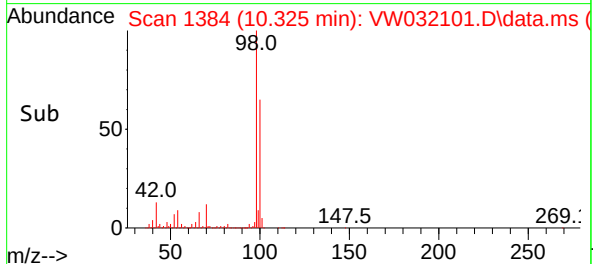
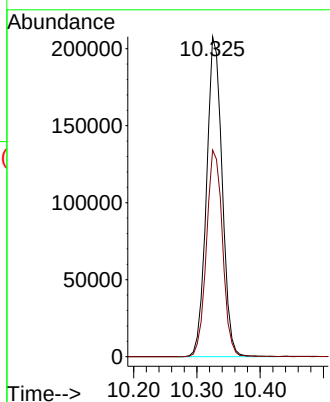
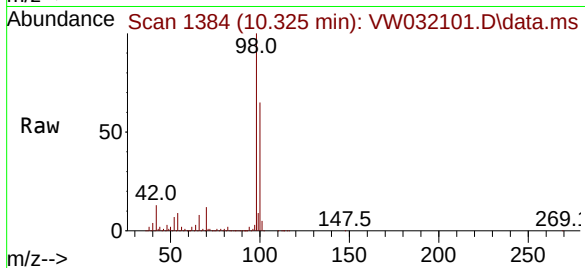




#50
Toluene-d8
Concen: 50.467 ug/l
RT: 10.325 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW032101.D
Acq: 14 Aug 2025 18:02

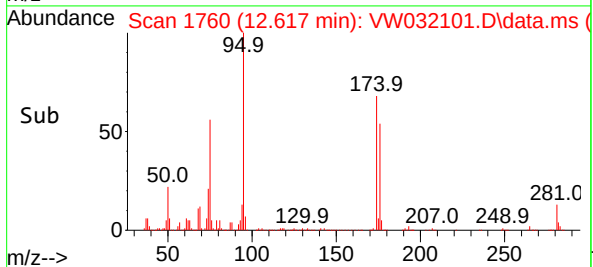
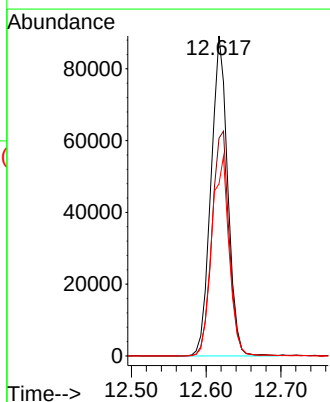
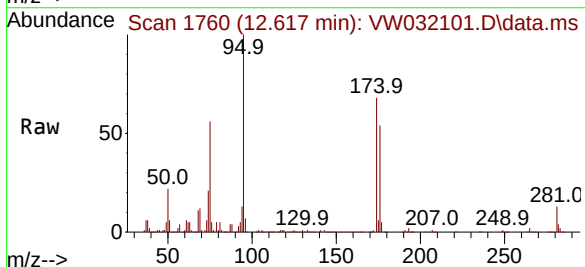
Instrument :
MSVOA_W
ClientSampleId :
88H-N

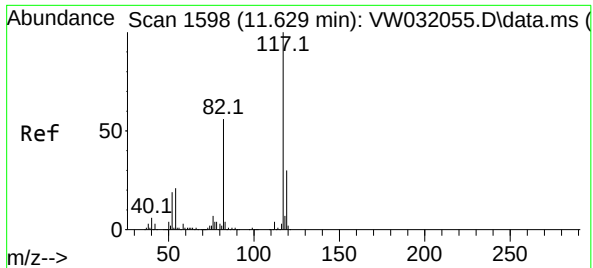
Tgt Ion: 98 Resp: 358263
Ion Ratio Lower Upper
98 100
100 66.2 51.1 76.7



#62
4-Bromofluorobenzene
Concen: 53.015 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032101.D
Acq: 14 Aug 2025 18:02

Tgt Ion: 95 Resp: 138690
Ion Ratio Lower Upper
95 100
174 72.1 0.0 129.0
176 65.2 0.0 124.6

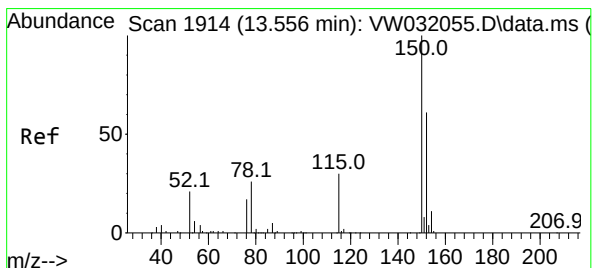
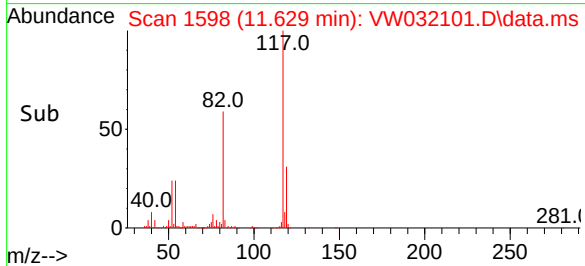
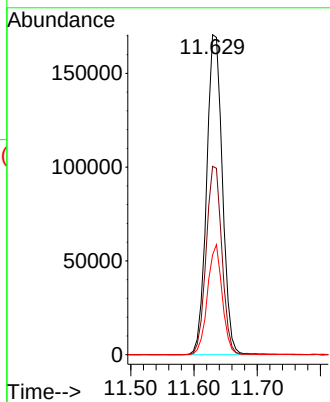
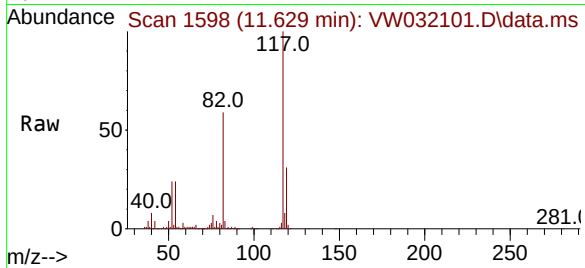




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW032101.D
Acq: 14 Aug 2025 18:02

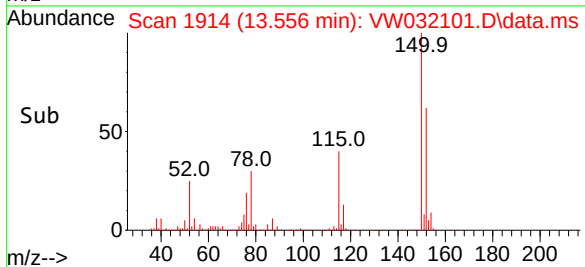
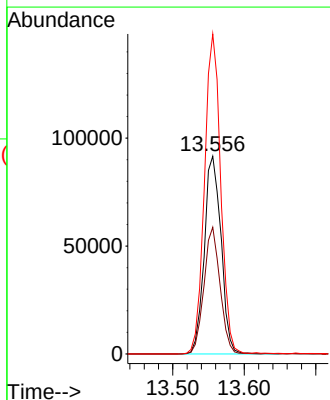
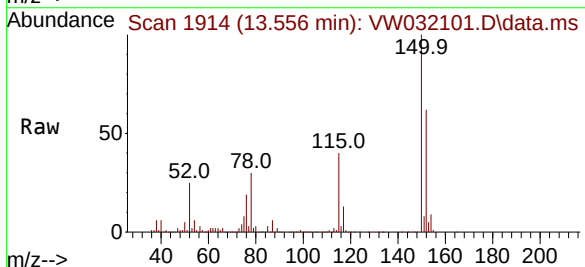
Instrument :
MSVOA_W
ClientSampleId :
88H-N

Tgt Ion	Ratio	Lower	Upper
117	100		
82	58.9	45.0	67.4
119	31.2	24.2	36.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW032101.D
Acq: 14 Aug 2025 18:02

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.7	32.6	97.8
150	156.5	0.0	359.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
Data File : VW032101.D
Acq On : 14 Aug 2025 18:02
Operator : SY/MD
Sample : Q2820-18
Misc : 7.59g/5mL/MSVOA_W/SOIL/A
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
88H-N

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Title : SW846 8260

Signal : TIC: VW032101.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.167	365	374	383	rVB2	24044	74819	7.47%	1.271%
2	4.954	493	503	511	rBV6	7544	27459	2.74%	0.466%
3	5.960	661	668	677	rBV7	3703	11195	1.12%	0.190%
4	7.898	975	986	991	rBV	156468	366095	36.56%	6.217%
5	7.959	991	996	1010	rVB	219250	490256	48.96%	8.326%
6	8.319	1045	1055	1067	rBV	151315	345768	34.53%	5.872%
7	8.849	1132	1142	1152	rBV	356939	743153	74.22%	12.620%
8	10.325	1375	1384	1399	rBV	561884	1001309	100.00%	17.004%
9	11.629	1590	1598	1606	rBV	560197	976946	97.57%	16.591%
10	11.715	1608	1612	1620	rVB7	4416	11062	1.10%	0.188%
11	12.617	1751	1760	1771	rBV3	467576	844559	84.35%	14.342%
12	13.556	1907	1914	1927	rVB	607141	964201	96.29%	16.374%
13	14.056	1987	1996	2002	rBV2	10599	20901	2.09%	0.355%
14	14.714	2096	2104	2109	rBV9	5082	10840	1.08%	0.184%

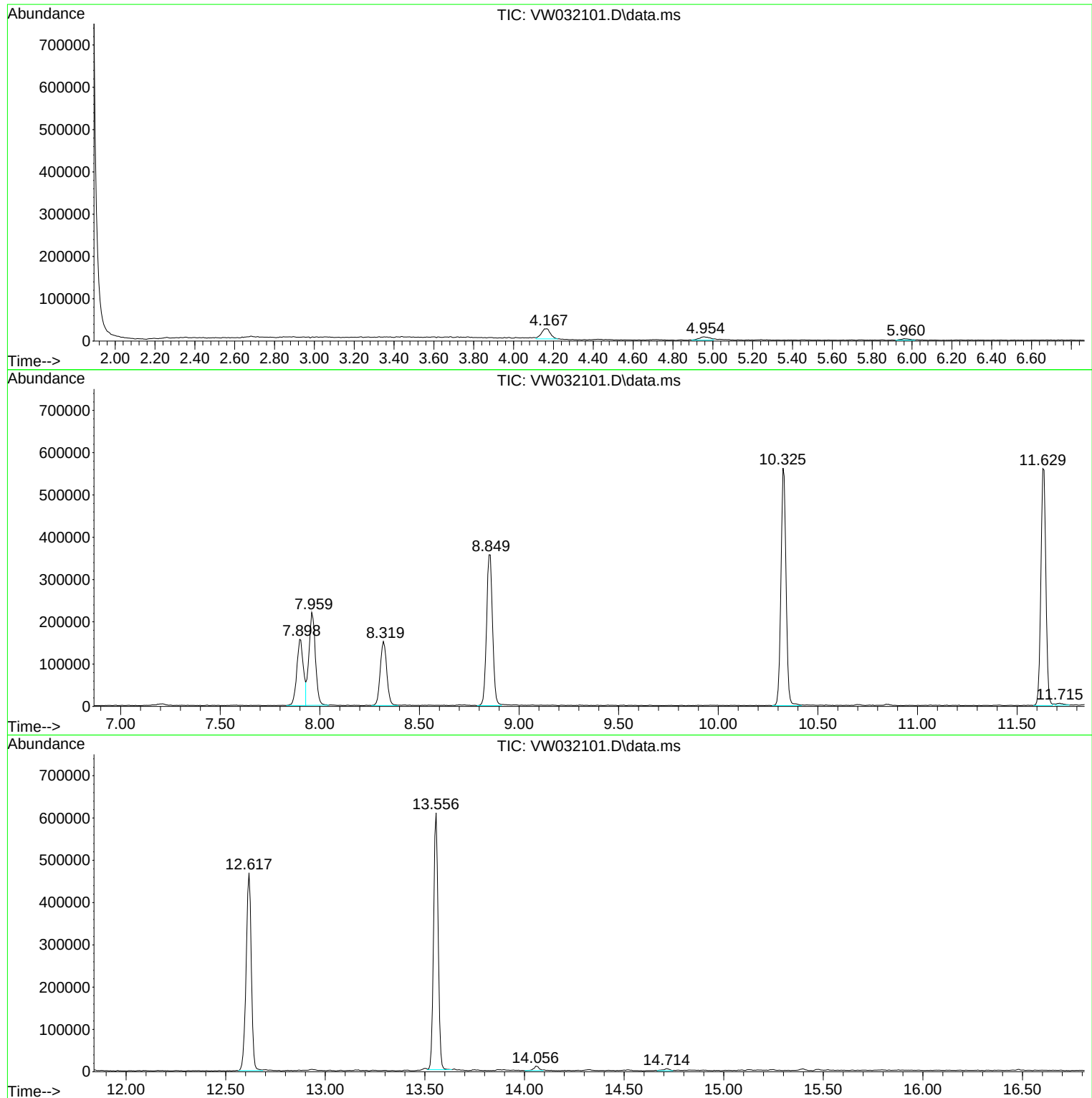
Sum of corrected areas: 5888563

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
Data File : VW032101.D
Acq On : 14 Aug 2025 18:02
Operator : SY/MD
Sample : Q2820-18
Misc : 7.59g/5mL/MSVOA_W/SOIL/A
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
88H-N

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
Data File : VW032101.D
Acq On : 14 Aug 2025 18:02
Operator : SY/MD
Sample : Q2820-18
Misc : 7.59g/5mL/MSVOA_W/SOIL/A
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
88H-N

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
Data File : VW032101.D
Acq On : 14 Aug 2025 18:02
Operator : SY/MD
Sample : Q2820-18
Misc : 7.59g/5mL/MSVOA_W/SOIL/A
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
88H-N

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260

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

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

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	88H-W	SDG No.:	Q2820
Lab Sample ID:	Q2820-19	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	88.6
Sample Wt/Vol:	9.63 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032102.D	1	08/14/25 18:25	VW081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	2.30	U	0.67	2.30	2.90	ug/Kg
74-87-3	Chloromethane	1.50	U	0.67	1.50	2.90	ug/Kg
75-01-4	Vinyl Chloride	1.50	U	0.46	1.50	2.90	ug/Kg
74-83-9	Bromomethane	2.30	U	0.63	2.30	2.90	ug/Kg
75-00-3	Chloroethane	1.50	U	0.74	1.50	2.90	ug/Kg
75-69-4	Trichlorofluoromethane	2.30	U	0.71	2.30	2.90	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.50	U	0.62	1.50	2.90	ug/Kg
75-35-4	1,1-Dichloroethene	1.50	U	0.59	1.50	2.90	ug/Kg
67-64-1	Acetone	58.9		2.80	11.7	14.7	ug/Kg
75-15-0	Carbon Disulfide	2.30	U	0.62	2.30	2.90	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.50	U	0.43	1.50	2.90	ug/Kg
79-20-9	Methyl Acetate	2.30	U	0.90	2.30	2.90	ug/Kg
75-09-2	Methylene Chloride	3.80	J	2.10	4.70	5.90	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.50	U	0.50	1.50	2.90	ug/Kg
75-34-3	1,1-Dichloroethane	1.50	U	0.47	1.50	2.90	ug/Kg
110-82-7	Cyclohexane	1.50	U	0.46	1.50	2.90	ug/Kg
78-93-3	2-Butanone	5.50	J	3.80	11.7	14.7	ug/Kg
56-23-5	Carbon Tetrachloride	1.50	U	0.57	1.50	2.90	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1.50	U	0.44	1.50	2.90	ug/Kg
74-97-5	Bromochloromethane	2.30	U	0.67	2.30	2.90	ug/Kg
67-66-3	Chloroform	2.30	U	0.49	2.30	2.90	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.50	U	0.54	1.50	2.90	ug/Kg
108-87-2	Methylcyclohexane	1.50	U	0.53	1.50	2.90	ug/Kg
71-43-2	Benzene	1.50	U	0.46	1.50	2.90	ug/Kg
107-06-2	1,2-Dichloroethane	1.50	U	0.46	1.50	2.90	ug/Kg
79-01-6	Trichloroethene	1.50	U	0.47	1.50	2.90	ug/Kg
78-87-5	1,2-Dichloropropane	1.50	U	0.53	1.50	2.90	ug/Kg
75-27-4	Bromodichloromethane	1.50	U	0.46	1.50	2.90	ug/Kg
108-10-1	4-Methyl-2-Pentanone	7.30	U	2.10	7.30	14.7	ug/Kg
108-88-3	Toluene	1.50	U	0.46	1.50	2.90	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	88H-W	SDG No.:	Q2820
Lab Sample ID:	Q2820-19	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	88.6
Sample Wt/Vol:	9.63 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032102.D	1	08/14/25 18:25	VW081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	1.50	U	0.38	1.50	2.90	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.50	U	0.36	1.50	2.90	ug/Kg
79-00-5	1,1,2-Trichloroethane	1.50	U	0.54	1.50	2.90	ug/Kg
591-78-6	2-Hexanone	7.30	U	2.20	7.30	14.7	ug/Kg
124-48-1	Dibromochloromethane	1.50	U	0.51	1.50	2.90	ug/Kg
106-93-4	1,2-Dibromoethane	1.50	U	0.52	1.50	2.90	ug/Kg
127-18-4	Tetrachloroethene	1.50	U	0.62	1.50	2.90	ug/Kg
108-90-7	Chlorobenzene	1.50	U	0.53	1.50	2.90	ug/Kg
100-41-4	Ethyl Benzene	1.50	U	0.39	1.50	2.90	ug/Kg
179601-23-1	m/p-Xylenes	2.90	U	0.73	2.90	5.90	ug/Kg
95-47-6	o-Xylene	1.50	U	0.48	1.50	2.90	ug/Kg
100-42-5	Styrene	1.50	U	0.42	1.50	2.90	ug/Kg
75-25-2	Bromoform	1.50	U	0.50	1.50	2.90	ug/Kg
98-82-8	Isopropylbenzene	1.50	U	0.46	1.50	2.90	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.50	U	0.71	1.50	2.90	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.50	U	1.00	1.50	2.90	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.50	U	0.91	1.50	2.90	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.50	U	0.85	1.50	2.90	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	2.30	U	1.10	2.30	2.90	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2.30	U	1.70	2.30	2.90	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	2.30	U	1.90	2.30	2.90	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	59.5		71 - 136		119%	SPK: 50
1868-53-7	Dibromofluoromethane	54.5		78 - 119		109%	SPK: 50
2037-26-5	Toluene-d8	50.2		85 - 116		100%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.0		79 - 119		100%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	140000	7.965				
540-36-3	1,4-Difluorobenzene	295000	8.855				
3114-55-4	Chlorobenzene-d5	290000	11.629				
3855-82-1	1,4-Dichlorobenzene-d4	145000	13.556				

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	88H-W	SDG No.:	Q2820
Lab Sample ID:	Q2820-19	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	88.6
Sample Wt/Vol:	9.63	Units:	g
Soil Aliquot Vol:			uL
GC Column:	RXI-624	ID :	0.25
Prep Method :		Level :	LOW
		Final Vol:	5000
		Test:	VOC-TCLVOA-10

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032102.D	1	08/14/25 18:25	VW081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
------------	-----------	-------	-----------	-----	-----	------------	-------

U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 E = Value Exceeds Calibration Range
 Q = indicates LCS control criteria did not meet requirements
 M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 N = Presumptive Evidence of a Compound
 * = Values outside of QC limits
 D = Dilution
 () = Laboratory InHouse Limit
 A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
Data File : VW032102.D
Acq On : 14 Aug 2025 18:25
Operator : SY/MD
Sample : Q2820-19
Misc : 9.63g/5mL/MSVOA_W/SOIL/A
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
88H-W

Quant Time: Aug 18 03:56:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 12 04:04:48 2025
Response via : Initial Calibration

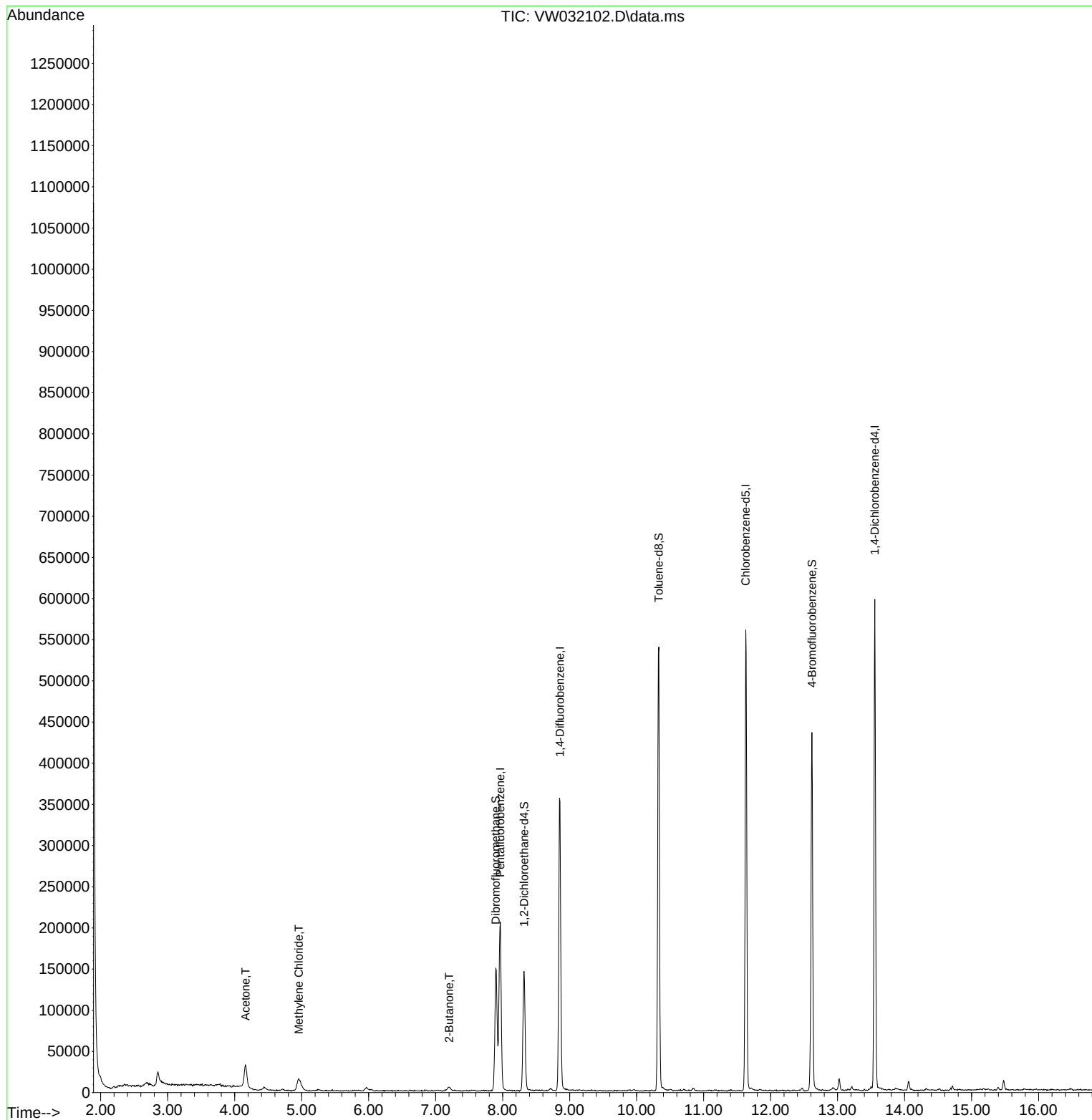
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.965	168	140101	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	295249	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	289791	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	144659	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	120615	59.526	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	= 119.060%		
35) Dibromofluoromethane	7.898	113	104033	54.541	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	= 109.080%		
50) Toluene-d8	10.331	98	354368	50.229	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	= 100.460%		
62) 4-Bromofluorobenzene	12.617	95	130042	50.019	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	= 100.040%		
Target Compounds						Qvalue
16) Acetone	4.161	43	47189	100.588	ug/l	90
20) Methylene Chloride	4.960	84	14172	6.534	ug/l	94
25) 2-Butanone	7.203	43	6261	9.390	ug/l	94

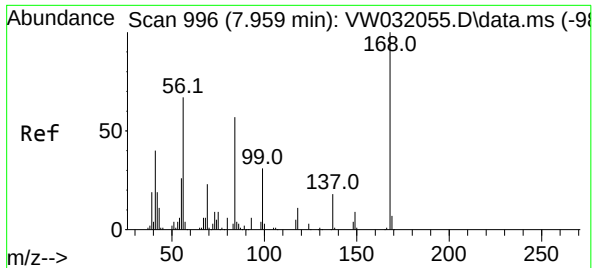
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
Data File : VW032102.D
Acq On : 14 Aug 2025 18:25
Operator : SY/MD
Sample : Q2820-19
Misc : 9.63g/5mL/MSVOA_W/SOIL/A
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
88H-W

Quant Time: Aug 18 03:56:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 12 04:04:48 2025
Response via : Initial Calibration

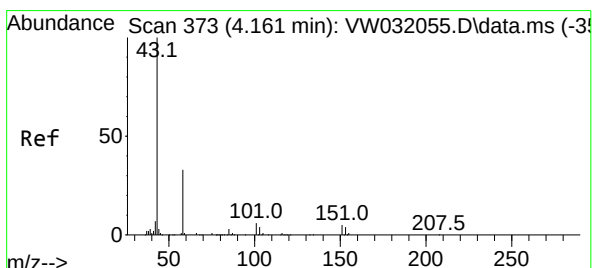
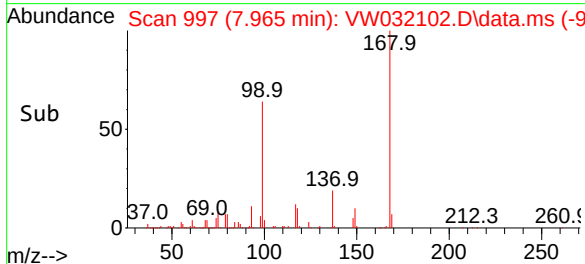
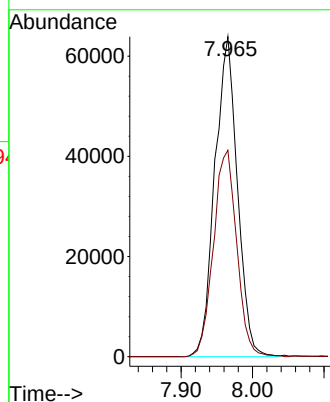
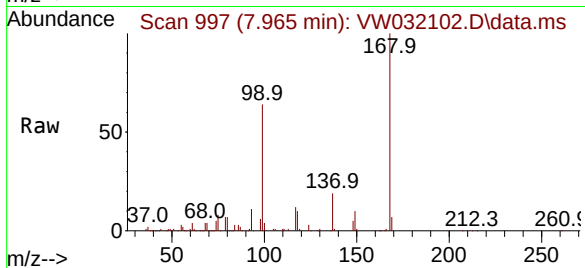




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 996
Delta R.T. 0.006 min
Lab File: VW032102.D
Acq: 14 Aug 2025 18:25

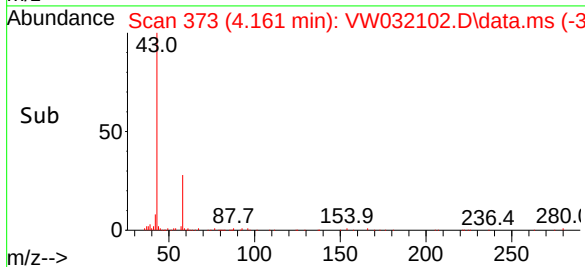
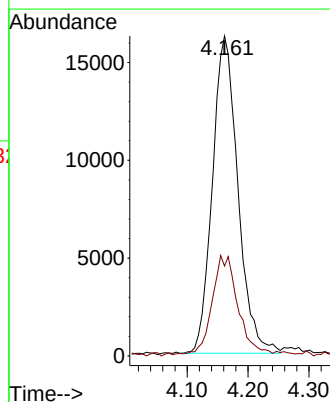
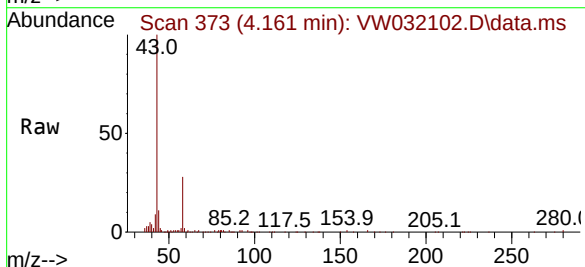
Instrument :
MSVOA_W
ClientSampleId :
88H-W

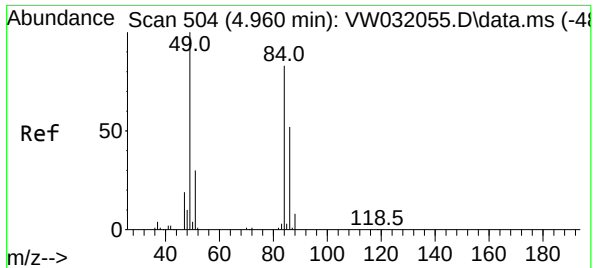
Tgt Ion	Ratio	Lower	Upper
168	100		
99	64.5	56.0	84.0



#16
Acetone
Concen: 100.588 ug/l
RT: 4.161 min Scan# 373
Delta R.T. 0.000 min
Lab File: VW032102.D
Acq: 14 Aug 2025 18:25

Tgt Ion	Ratio	Lower	Upper
43	100		
58	27.6	26.6	39.8

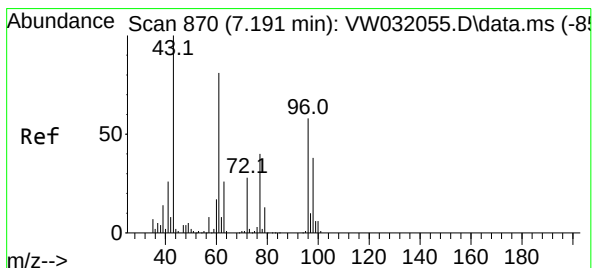
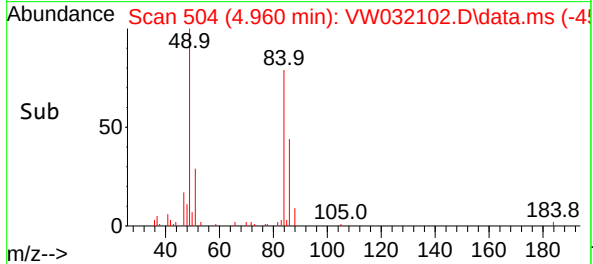
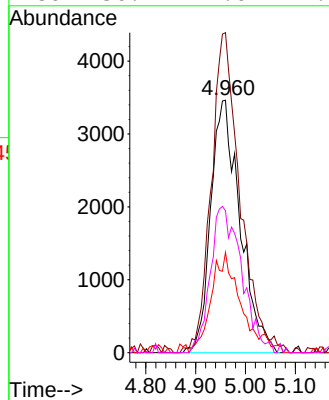
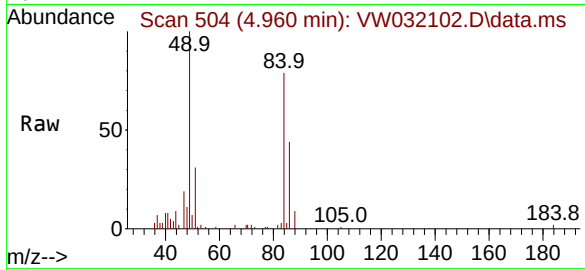




#20
Methylene Chloride
Concen: 6.534 ug/l
RT: 4.960 min Scan# 504
Delta R.T. 0.000 min
Lab File: VW032102.D
Acq: 14 Aug 2025 18:25

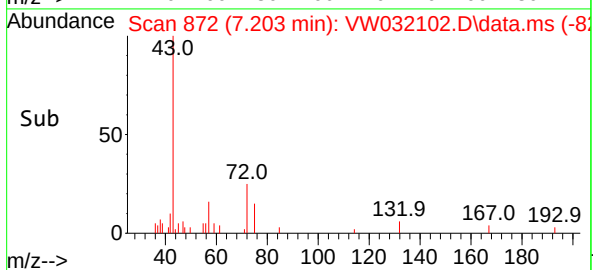
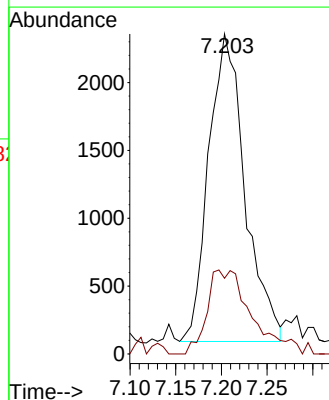
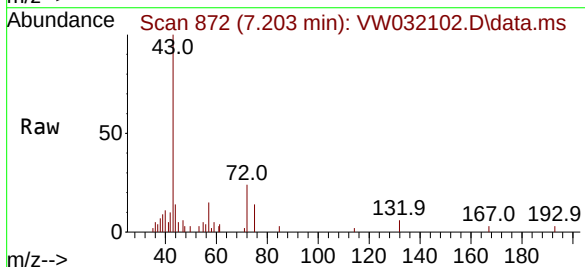
Instrument :
MSVOA_W
ClientSampleId :
88H-W

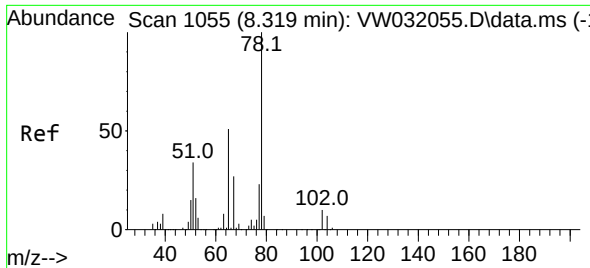
Tgt Ion:	84	Resp:	14172
Ion	Ratio	Lower	Upper
84	100		
49	126.8	95.9	143.9
51	36.3	28.6	43.0
86	56.2	49.6	74.4



#25
2-Butanone
Concen: 9.390 ug/l
RT: 7.203 min Scan# 872
Delta R.T. 0.012 min
Lab File: VW032102.D
Acq: 14 Aug 2025 18:25

Tgt Ion:	43	Resp:	6261
Ion	Ratio	Lower	Upper
43	100		
72	24.6	22.3	33.5

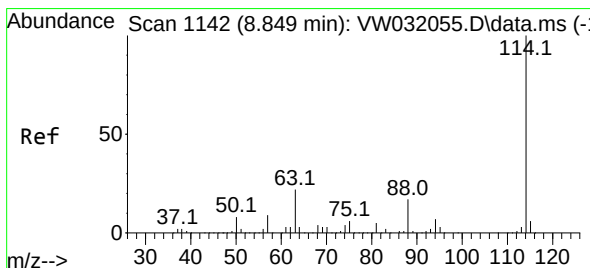
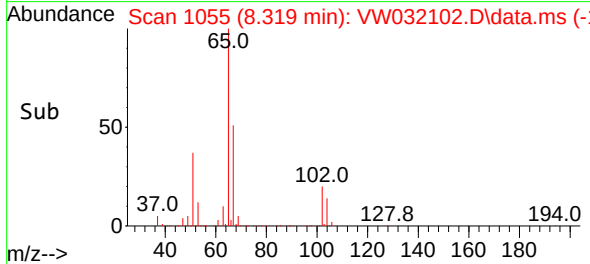
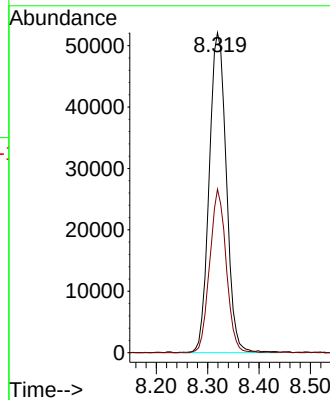
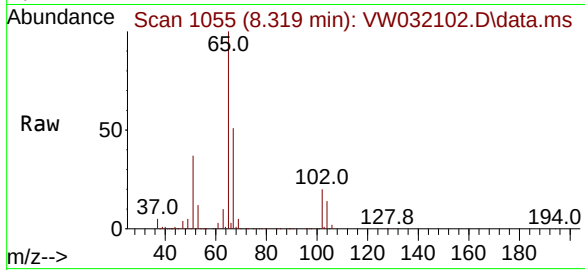




#33
1,2-Dichloroethane-d4
Concen: 59.526 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW032102.D
Acq: 14 Aug 2025 18:25

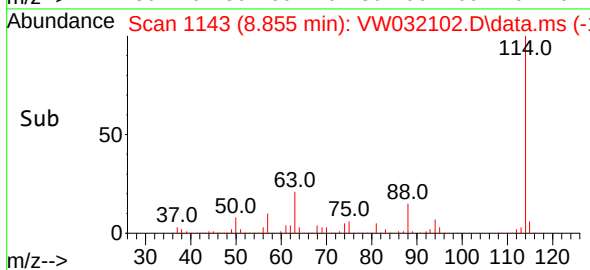
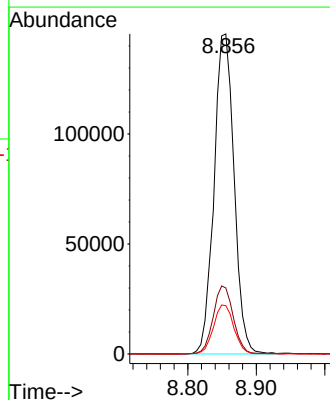
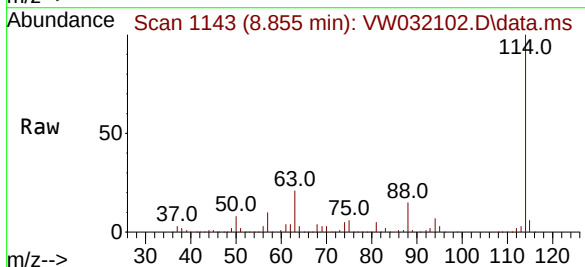
Instrument :
MSVOA_W
ClientSampleId :
88H-W

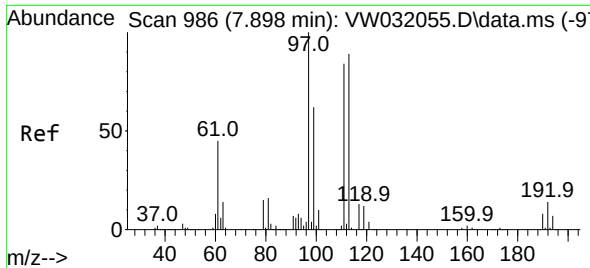
Tgt Ion: 65 Resp: 120615
Ion Ratio Lower Upper
65 100
67 49.2 0.0 102.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.855 min Scan# 1143
Delta R.T. 0.006 min
Lab File: VW032102.D
Acq: 14 Aug 2025 18:25

Tgt Ion: 114 Resp: 295249
Ion Ratio Lower Upper
114 100
63 20.7 0.0 43.0
88 15.1 0.0 33.8





#35

Dibromofluoromethane

Concen: 54.541 ug/l

RT: 7.898 min Scan# 986

Delta R.T. 0.000 min

Lab File: VW032102.D

Acq: 14 Aug 2025 18:25

Instrument :

MSVOA_W

ClientSampleId :

88H-W

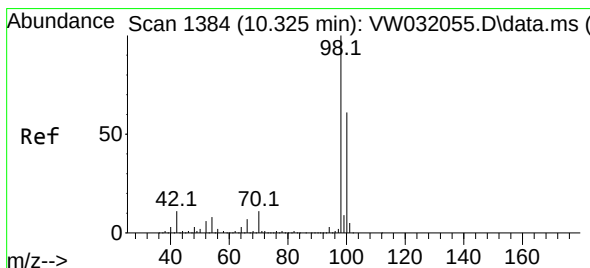
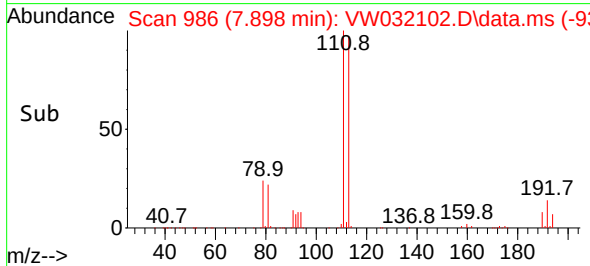
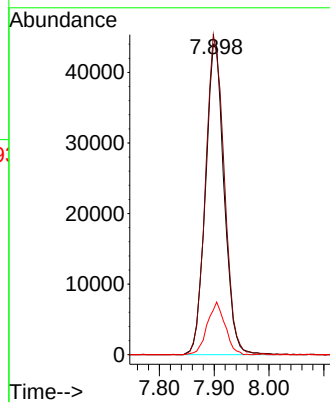
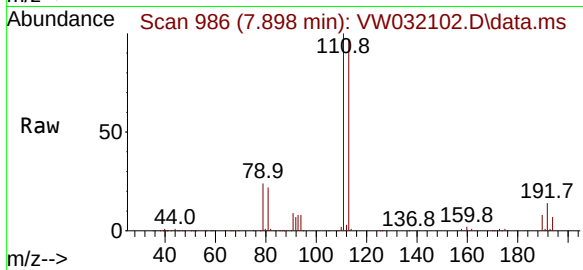
Tgt Ion:113 Resp: 104033

Ion Ratio Lower Upper

113 100

111 103.6 80.1 120.1

192 16.2 13.1 19.7



#50

Toluene-d8

Concen: 50.229 ug/l

RT: 10.331 min Scan# 1385

Delta R.T. 0.006 min

Lab File: VW032102.D

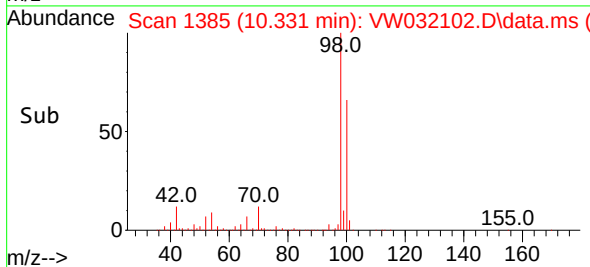
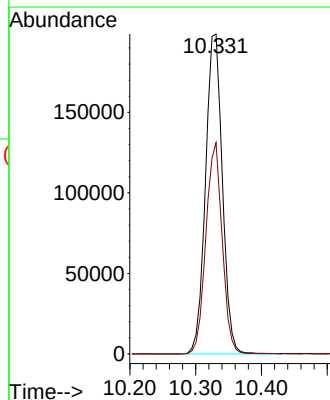
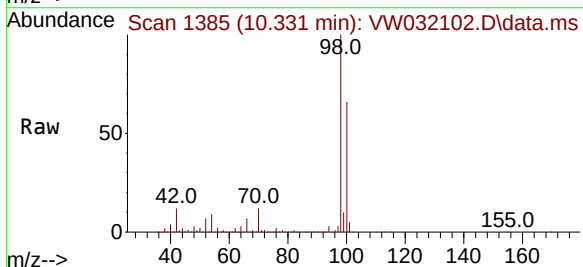
Acq: 14 Aug 2025 18:25

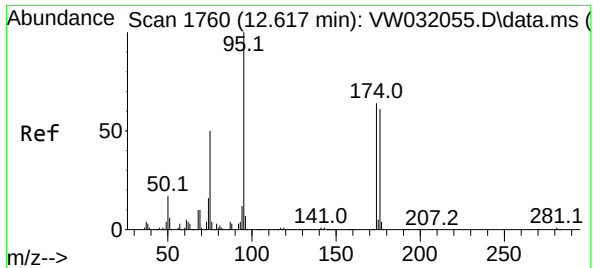
Tgt Ion: 98 Resp: 354368

Ion Ratio Lower Upper

98 100

100 64.0 51.1 76.7

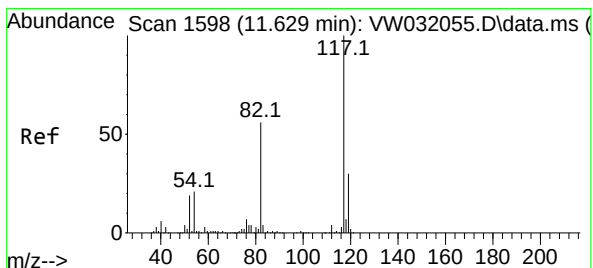
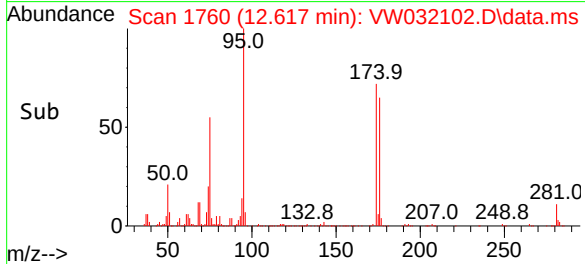
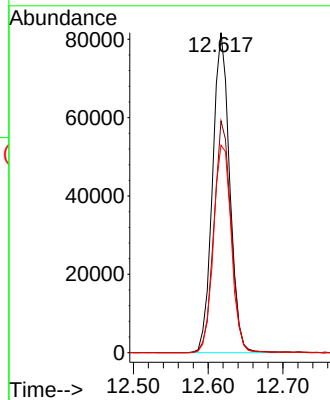
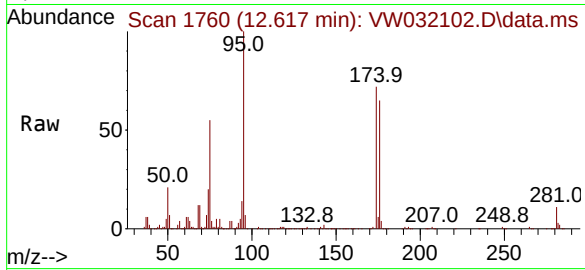




#62
4-Bromofluorobenzene
Concen: 50.019 ug/l
RT: 12.617 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW032102.D
Acq: 14 Aug 2025 18:25

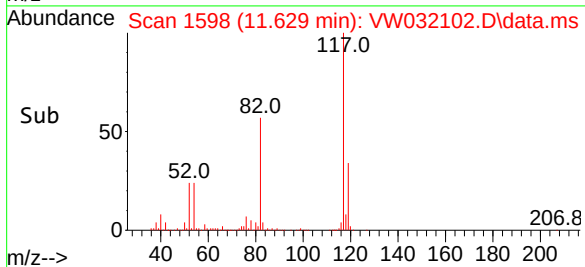
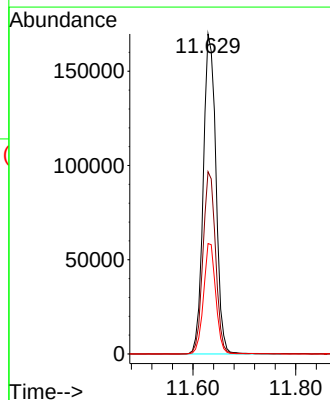
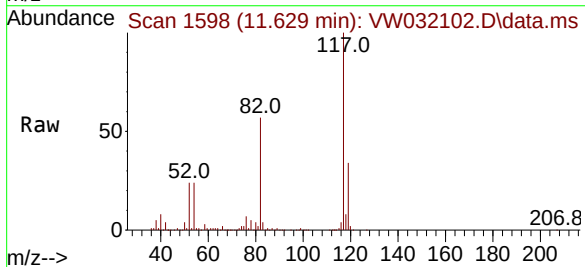
Instrument :
MSVOA_W
ClientSampleId :
88H-W

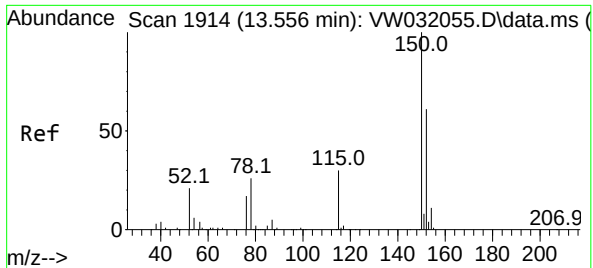
Tgt Ion:	95	Resp:	130042
Ion Ratio	Lower	Upper	
95	100		
174	72.7	0.0	129.0
176	68.0	0.0	124.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1598
Delta R.T. 0.000 min
Lab File: VW032102.D
Acq: 14 Aug 2025 18:25

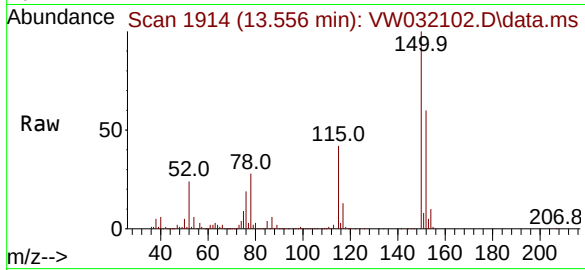
Tgt Ion:	117	Resp:	289791
Ion Ratio	Lower	Upper	
117	100		
82	56.9	45.0	67.4
119	34.5	24.2	36.4



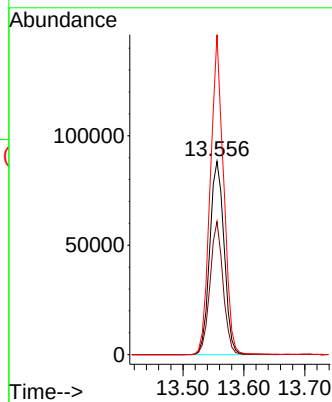
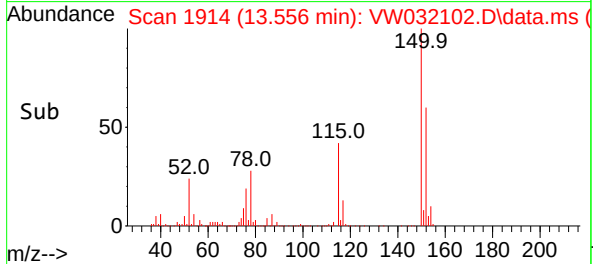


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW032102.D
Acq: 14 Aug 2025 18:25

Instrument :
MSVOA_W
ClientSampleId :
88H-W



Tgt Ion:152 Resp: 144659
Ion Ratio Lower Upper
152 100
115 62.9 32.6 97.8
150 153.0 0.0 359.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
Data File : VW032102.D
Acq On : 14 Aug 2025 18:25
Operator : SY/MD
Sample : Q2820-19
Misc : 9.63g/5mL/MSVOA_W/SOIL/A
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
88H-W

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M

Title : SW846 8260

Signal : TIC: VW032102.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.857	153	159	167	rBV	14885	38812	4.02%	0.666%
2	4.161	364	373	394	rVB2	30429	107972	11.17%	1.854%
3	4.960	492	504	520	rBV3	14451	64528	6.68%	1.108%
4	5.966	662	669	677	rBV9	4053	11540	1.19%	0.198%
5	7.191	863	870	882	rVB4	4248	14393	1.49%	0.247%
6	7.898	976	986	991	rBV	148353	355151	36.75%	6.097%
7	7.965	991	997	1014	rVB	205038	477546	49.42%	8.198%
8	8.319	1044	1055	1067	rBV	146084	334829	34.65%	5.748%
9	8.849	1133	1142	1154	rBV	355260	729038	75.44%	12.515%
10	10.331	1375	1385	1393	rBV	539182	966391	100.00%	16.590%
11	11.629	1589	1598	1609	rBV	559800	953008	98.62%	16.360%
12	12.617	1749	1760	1771	rBV2	435064	777075	80.41%	13.340%
13	13.025	1821	1827	1833	rVB4	13783	24148	2.50%	0.415%
14	13.556	1907	1914	1921	rBV	593815	930611	96.30%	15.975%
15	14.062	1991	1997	2002	rBV2	10529	19397	2.01%	0.333%
16	15.476	2223	2229	2235	rBV	11496	20853	2.16%	0.358%

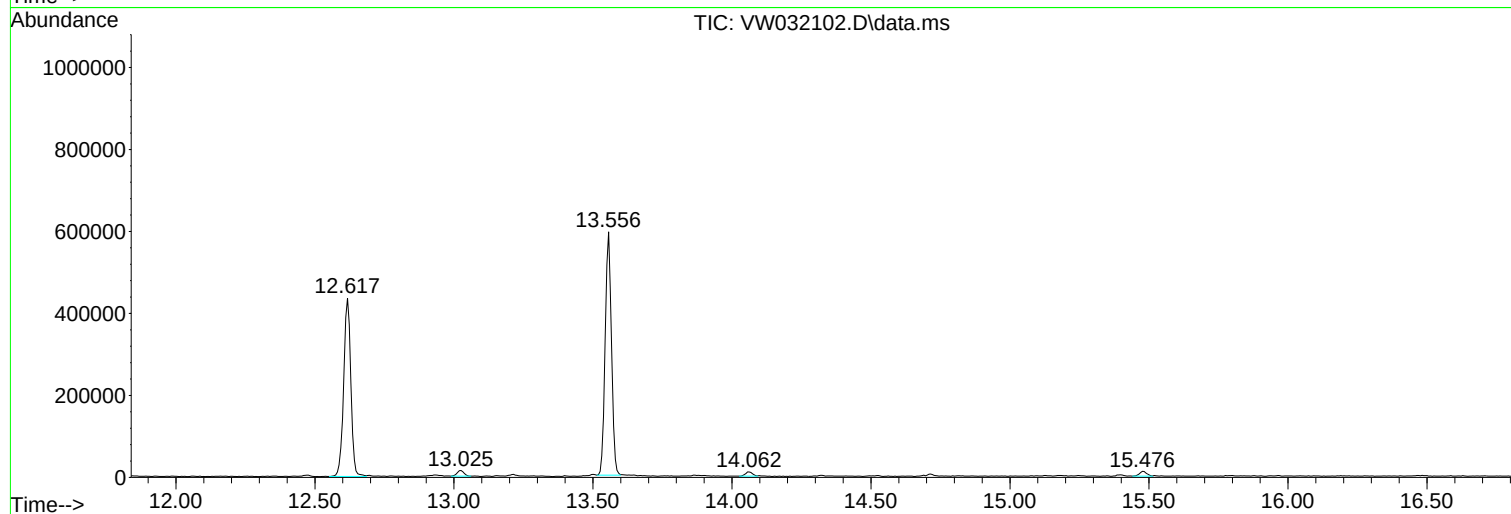
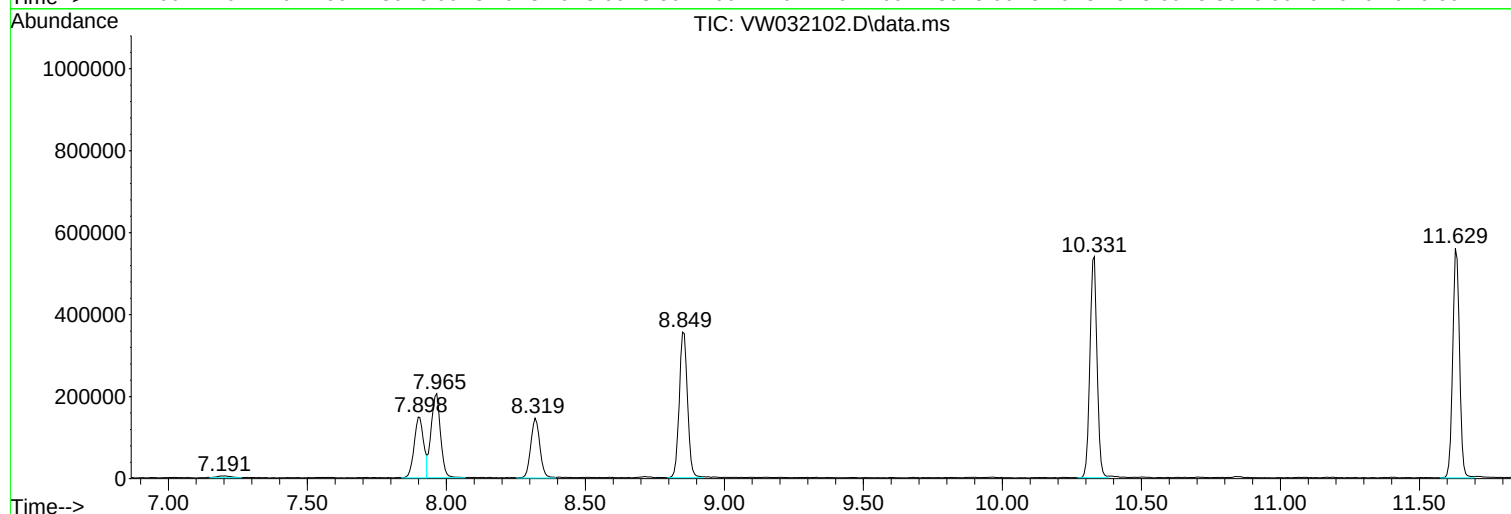
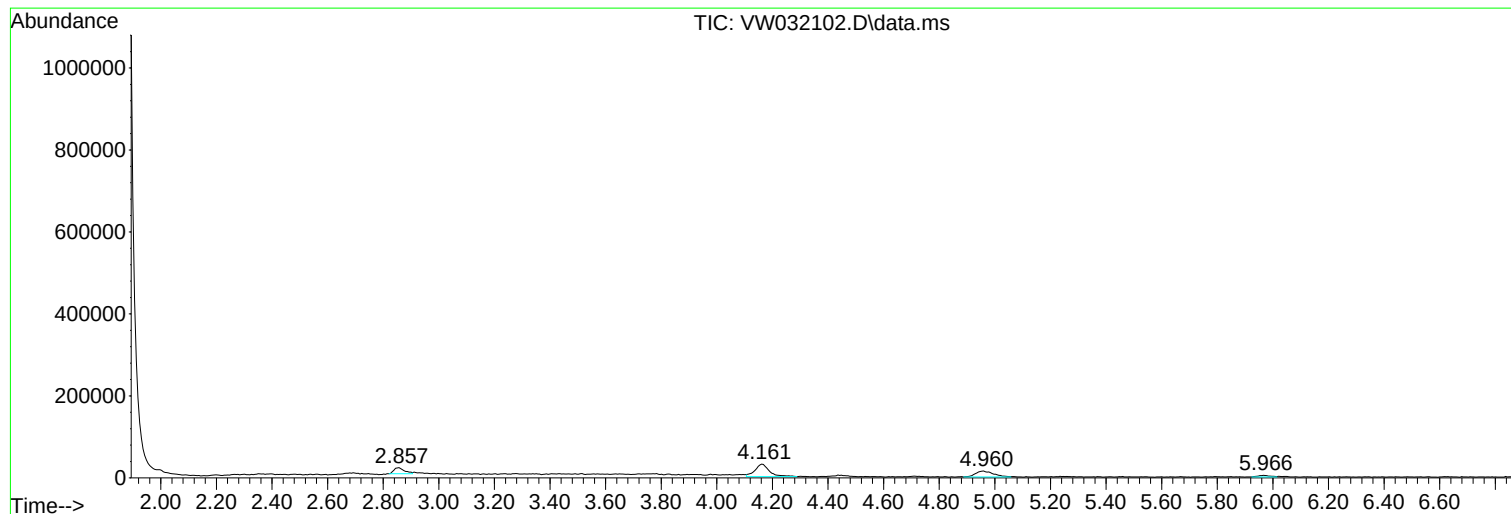
Sum of corrected areas: 5825292

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
Data File : VW032102.D
Acq On : 14 Aug 2025 18:25
Operator : SY/MD
Sample : Q2820-19
Misc : 9.63g/5mL/MSVOA_W/SOIL/A
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
88H-W

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
Data File : VW032102.D
Acq On : 14 Aug 2025 18:25
Operator : SY/MD
Sample : Q2820-19
Misc : 9.63g/5mL/MSVOA_W/SOIL/A
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
88H-W

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
Data File : VW032102.D
Acq On : 14 Aug 2025 18:25
Operator : SY/MD
Sample : Q2820-19
Misc : 9.63g/5mL/MSVOA_W/SOIL/A
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
88H-W

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260

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

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

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	88H-S	SDG No.:	Q2820
Lab Sample ID:	Q2820-20	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	84.6
Sample Wt/Vol:	8.76 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032103.D	1	08/14/25 18:47	VW081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	2.70	U	0.77	2.70	3.40	ug/Kg
74-87-3	Chloromethane	1.70	U	0.77	1.70	3.40	ug/Kg
75-01-4	Vinyl Chloride	1.70	U	0.53	1.70	3.40	ug/Kg
74-83-9	Bromomethane	2.70	U	0.72	2.70	3.40	ug/Kg
75-00-3	Chloroethane	1.70	U	0.85	1.70	3.40	ug/Kg
75-69-4	Trichlorofluoromethane	2.70	U	0.82	2.70	3.40	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.70	U	0.72	1.70	3.40	ug/Kg
75-35-4	1,1-Dichloroethene	1.70	U	0.67	1.70	3.40	ug/Kg
67-64-1	Acetone	47.3		3.20	13.5	16.9	ug/Kg
75-15-0	Carbon Disulfide	2.70	U	0.72	2.70	3.40	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.70	U	0.49	1.70	3.40	ug/Kg
79-20-9	Methyl Acetate	2.70	U	1.00	2.70	3.40	ug/Kg
75-09-2	Methylene Chloride	5.40	U	2.40	5.40	6.70	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.70	U	0.58	1.70	3.40	ug/Kg
75-34-3	1,1-Dichloroethane	1.70	U	0.54	1.70	3.40	ug/Kg
110-82-7	Cyclohexane	1.70	U	0.53	1.70	3.40	ug/Kg
78-93-3	2-Butanone	13.5	U	4.40	13.5	16.9	ug/Kg
56-23-5	Carbon Tetrachloride	1.70	U	0.65	1.70	3.40	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1.70	U	0.51	1.70	3.40	ug/Kg
74-97-5	Bromochloromethane	2.70	U	0.78	2.70	3.40	ug/Kg
67-66-3	Chloroform	2.70	U	0.57	2.70	3.40	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.70	U	0.63	1.70	3.40	ug/Kg
108-87-2	Methylcyclohexane	1.70	U	0.61	1.70	3.40	ug/Kg
71-43-2	Benzene	1.70	U	0.53	1.70	3.40	ug/Kg
107-06-2	1,2-Dichloroethane	1.70	U	0.53	1.70	3.40	ug/Kg
79-01-6	Trichloroethene	1.70	U	0.55	1.70	3.40	ug/Kg
78-87-5	1,2-Dichloropropane	1.70	U	0.61	1.70	3.40	ug/Kg
75-27-4	Bromodichloromethane	1.70	U	0.53	1.70	3.40	ug/Kg
108-10-1	4-Methyl-2-Pentanone	8.40	U	2.40	8.40	16.9	ug/Kg
108-88-3	Toluene	1.70	U	0.53	1.70	3.40	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	88H-S	SDG No.:	Q2820
Lab Sample ID:	Q2820-20	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	84.6
Sample Wt/Vol:	8.76 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032103.D	1	08/14/25 18:47	VW081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	1.70	U	0.44	1.70	3.40	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.70	U	0.42	1.70	3.40	ug/Kg
79-00-5	1,1,2-Trichloroethane	1.70	U	0.62	1.70	3.40	ug/Kg
591-78-6	2-Hexanone	8.40	U	2.50	8.40	16.9	ug/Kg
124-48-1	Dibromochloromethane	1.70	U	0.59	1.70	3.40	ug/Kg
106-93-4	1,2-Dibromoethane	1.70	U	0.59	1.70	3.40	ug/Kg
127-18-4	Tetrachloroethene	1.70	U	0.71	1.70	3.40	ug/Kg
108-90-7	Chlorobenzene	1.70	U	0.61	1.70	3.40	ug/Kg
100-41-4	Ethyl Benzene	1.70	U	0.45	1.70	3.40	ug/Kg
179601-23-1	m/p-Xylenes	3.40	U	0.84	3.40	6.70	ug/Kg
95-47-6	o-Xylene	1.70	U	0.55	1.70	3.40	ug/Kg
100-42-5	Styrene	1.70	U	0.48	1.70	3.40	ug/Kg
75-25-2	Bromoform	1.70	U	0.58	1.70	3.40	ug/Kg
98-82-8	Isopropylbenzene	1.70	U	0.53	1.70	3.40	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.70	U	0.82	1.70	3.40	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.70	U	1.20	1.70	3.40	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.70	U	1.10	1.70	3.40	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.70	U	0.98	1.70	3.40	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	2.70	U	1.20	2.70	3.40	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2.70	U	2.00	2.70	3.40	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	2.70	U	2.10	2.70	3.40	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	60.4		71 - 136		121%	SPK: 50
1868-53-7	Dibromofluoromethane	55.3		78 - 119		111%	SPK: 50
2037-26-5	Toluene-d8	49.9		85 - 116		100%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.3		79 - 119		97%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	146000	7.965				
540-36-3	1,4-Difluorobenzene	298000	8.856				
3114-55-4	Chlorobenzene-d5	290000	11.636				
3855-82-1	1,4-Dichlorobenzene-d4	135000	13.556				

TENTATIVE IDENTIFIED COMPOUNDS

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	88H-S	SDG No.:	Q2820
Lab Sample ID:	Q2820-20	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	84.6
Sample Wt/Vol:	8.76	Units:	g
Soil Aliquot Vol:			uL
GC Column:	RXI-624	ID :	0.25
Prep Method :		Level :	LOW
		Final Vol:	5000
		Test:	VOC-TCLVOA-10

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032103.D	1	08/14/25 18:47	VW081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
000075-18-3	Dimethyl sulfide	4.30	J			4.24	ug/Kg

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
Data File : VW032103.D
Acq On : 14 Aug 2025 18:47
Operator : SY/MD
Sample : Q2820-20
Misc : 8.76g/5mL/MSVOA_W/SOIL/A
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
88H-S

Quant Time: Aug 18 03:57:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 12 04:04:48 2025
Response via : Initial Calibration

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

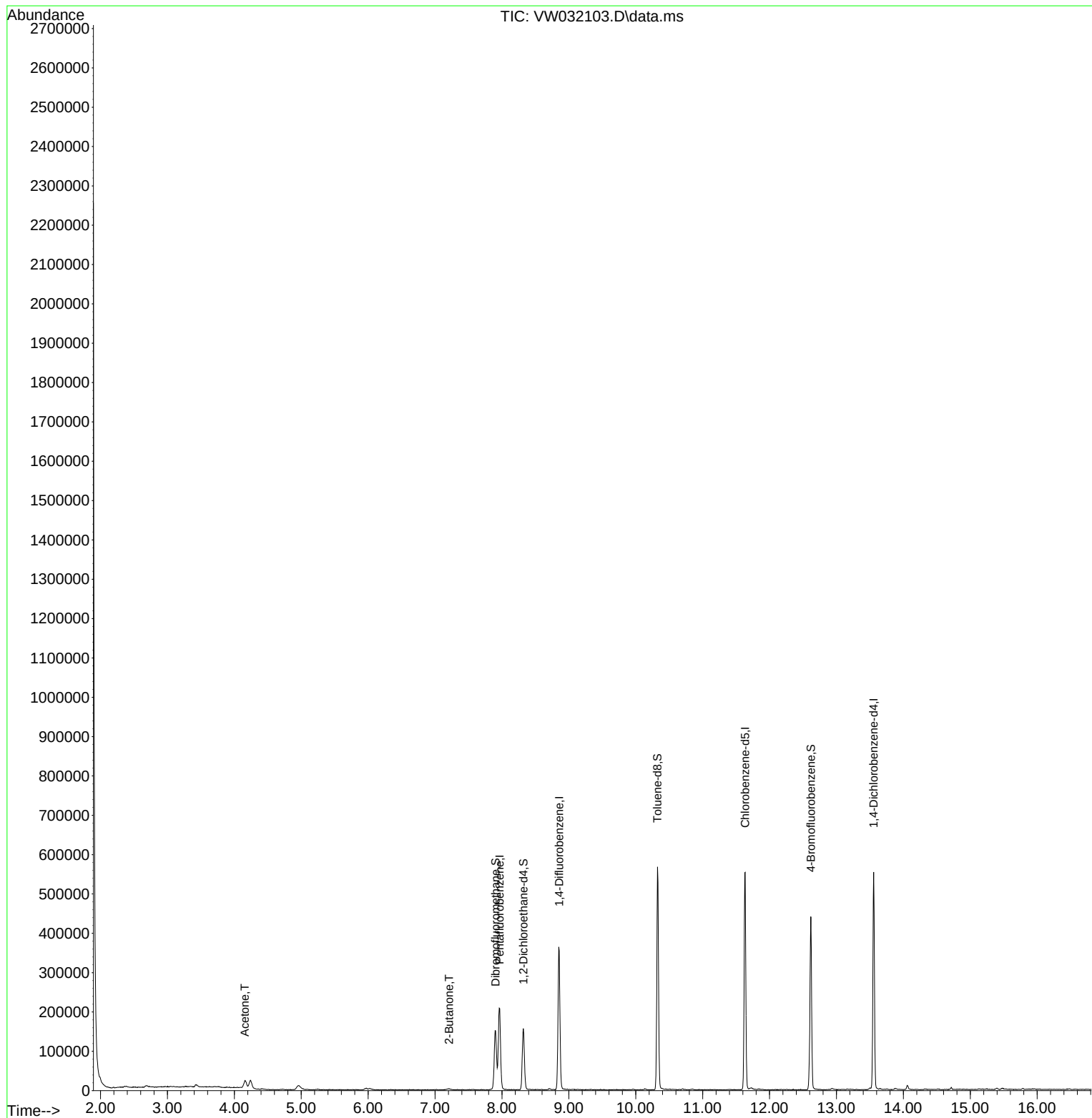
Internal Standards						
1) Pentafluorobenzene	7.965	168	146240	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	298387	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.636	117	290020	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	135214	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	127754	60.403	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	= 120.800%		
35) Dibromofluoromethane	7.904	113	106596	55.297	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	= 110.600%		
50) Toluene-d8	10.325	98	355808	49.903	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	= 99.800%		
62) 4-Bromofluorobenzene	12.617	95	126826	48.269	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	= 96.540%		
Target Compounds						
						Qvalue
16) Acetone	4.155	43	34321	70.088	ug/l	96
25) 2-Butanone	7.209	43	4485	6.444	ug/l #	89

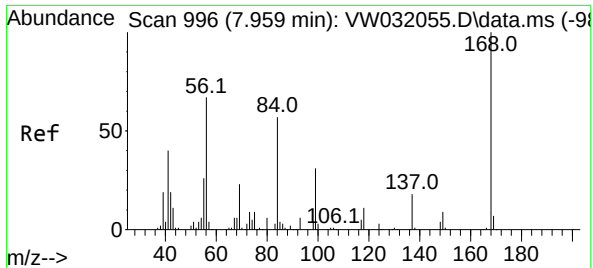
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
Data File : VW032103.D
Acq On : 14 Aug 2025 18:47
Operator : SY/MD
Sample : Q2820-20
Misc : 8.76g/5mL/MSVOA_W/SOIL/A
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
88H-S

Quant Time: Aug 18 03:57:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 12 04:04:48 2025
Response via : Initial Calibration

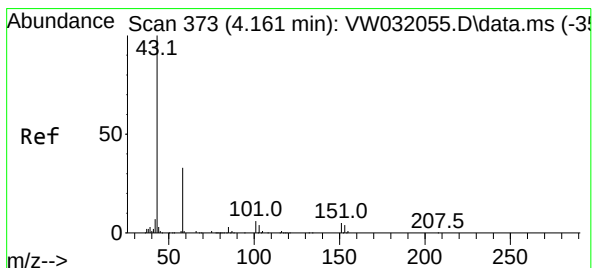
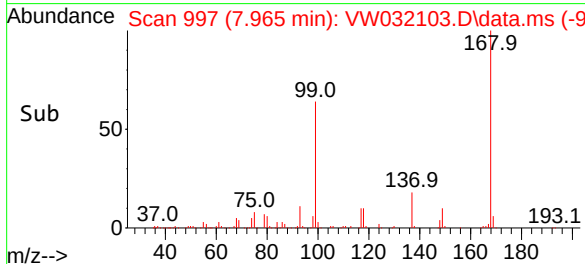
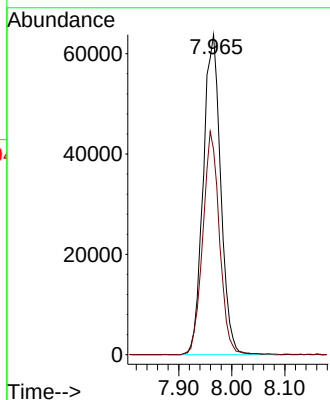
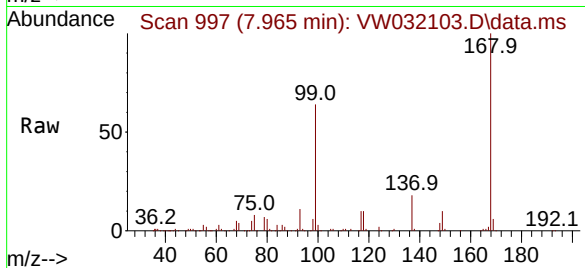




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 996
Delta R.T. 0.006 min
Lab File: VW032103.D
Acq: 14 Aug 2025 18:47

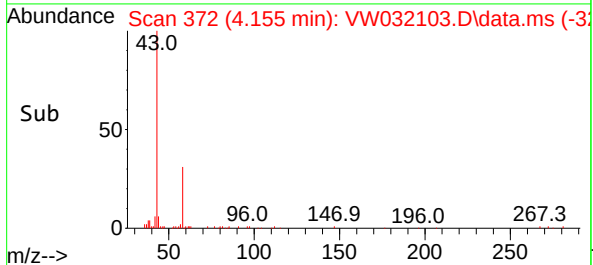
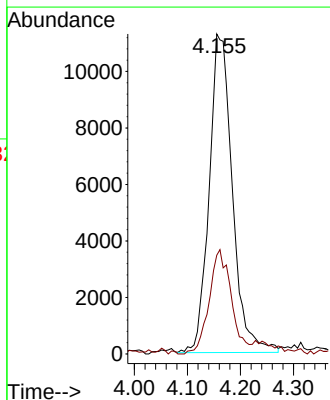
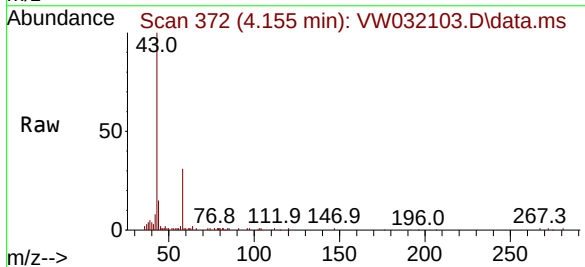
Instrument :
MSVOA_W
ClientSampleId :
88H-S

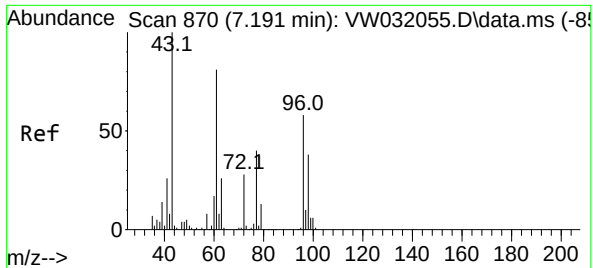
Tgt Ion:168 Resp: 146240
Ion Ratio Lower Upper
168 100
99 64.1 56.0 84.0



#16
Acetone
Concen: 70.088 ug/l
RT: 4.155 min Scan# 372
Delta R.T. -0.006 min
Lab File: VW032103.D
Acq: 14 Aug 2025 18:47

Tgt Ion: 43 Resp: 34321
Ion Ratio Lower Upper
43 100
58 31.0 26.6 39.8





#25

2-Butanone

Concen: 6.444 ug/l

RT: 7.209 min Scan# 81

Delta R.T. 0.018 min

Lab File: VW032103.D

Acq: 14 Aug 2025 18:47

Instrument :

MSVOA_W

ClientSampleId :

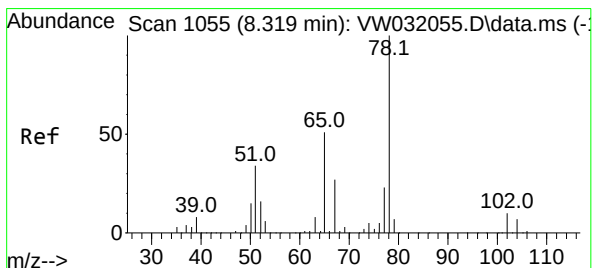
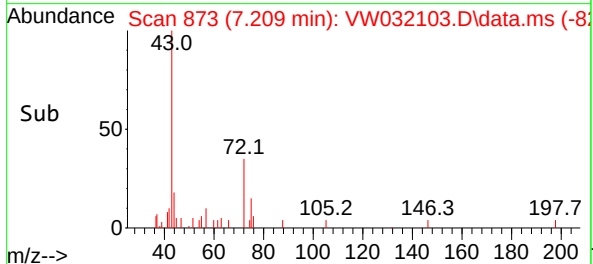
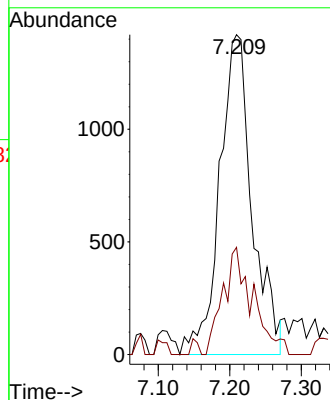
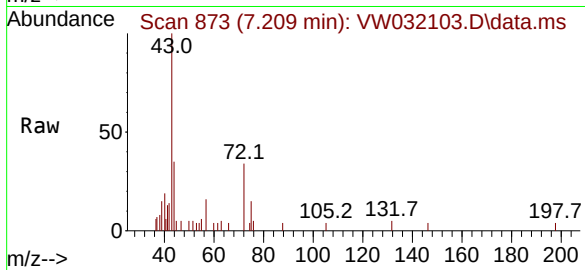
88H-S

Tgt Ion: 43 Resp: 4485

Ion Ratio Lower Upper

43 100

72 33.5 22.3 33.5#



#33

1,2-Dichloroethane-d4

Concen: 60.403 ug/l

RT: 8.319 min Scan# 1055

Delta R.T. 0.000 min

Lab File: VW032103.D

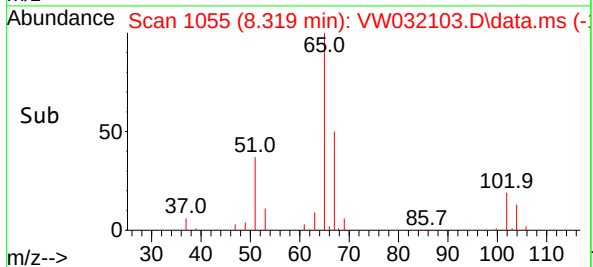
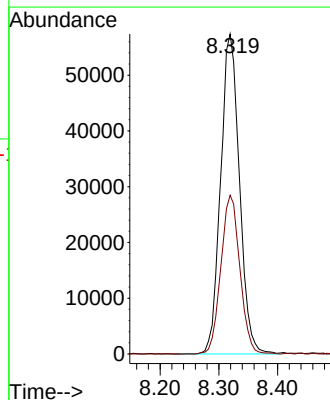
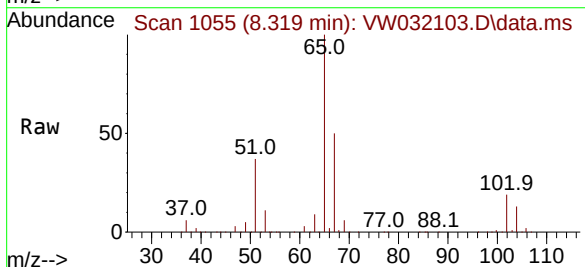
Acq: 14 Aug 2025 18:47

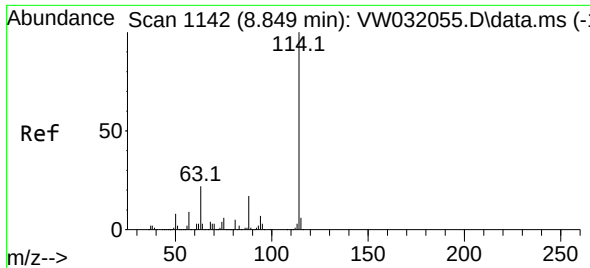
Tgt Ion: 65 Resp: 127754

Ion Ratio Lower Upper

65 100

67 50.0 0.0 102.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.856 min Scan# 1143

Delta R.T. 0.006 min

Lab File: VW032103.D

Acq: 14 Aug 2025 18:47

Instrument :

MSVOA_W

ClientSampleId :

88H-S

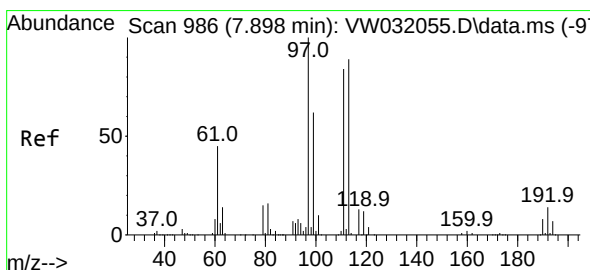
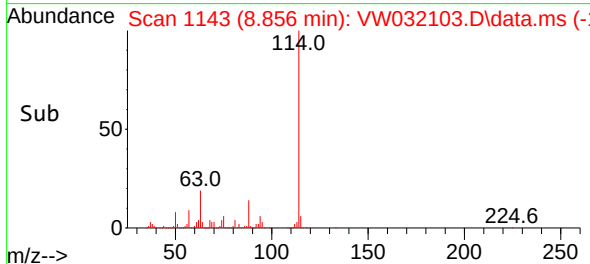
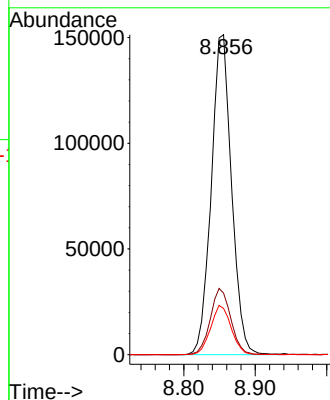
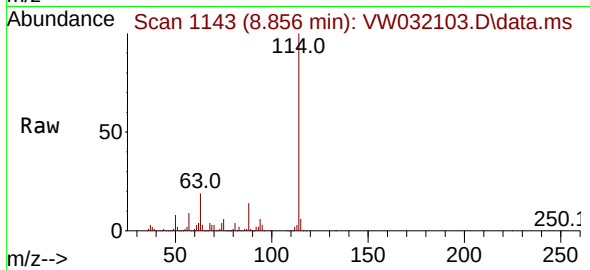
Tgt Ion:114 Resp: 298387

Ion Ratio Lower Upper

114 100

63 19.2 0.0 43.0

88 14.5 0.0 33.8



#35

Dibromofluoromethane

Concen: 55.297 ug/l

RT: 7.904 min Scan# 987

Delta R.T. 0.006 min

Lab File: VW032103.D

Acq: 14 Aug 2025 18:47

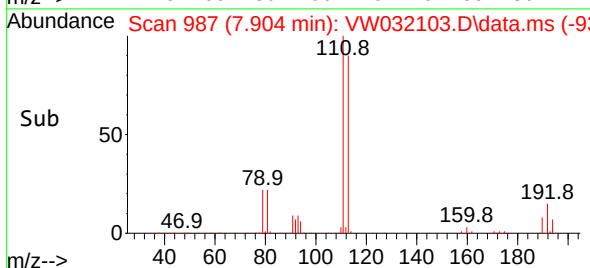
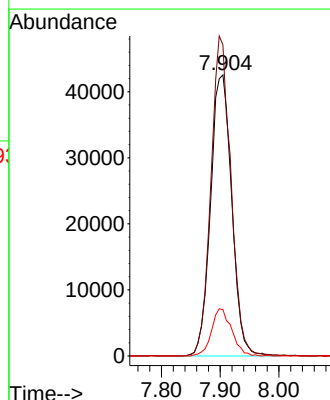
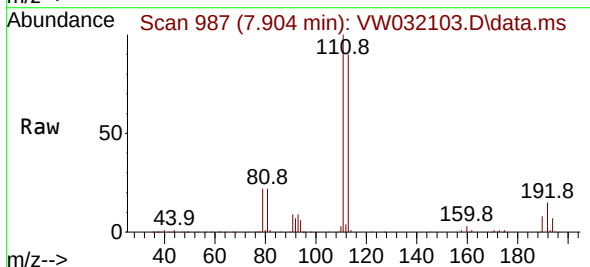
Tgt Ion:113 Resp: 106596

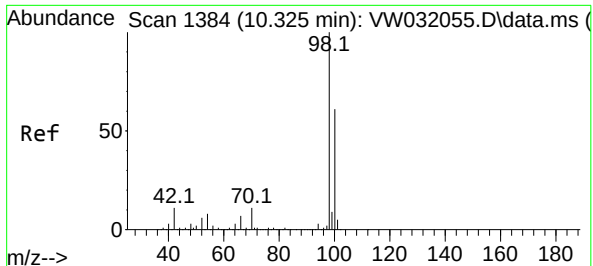
Ion Ratio Lower Upper

113 100

111 107.3 80.1 120.1

192 16.0 13.1 19.7





#50

Toluene-d8

Concen: 49.903 ug/l

RT: 10.325 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW032103.D

Acq: 14 Aug 2025 18:47

Instrument :

MSVOA_W

ClientSampleId :

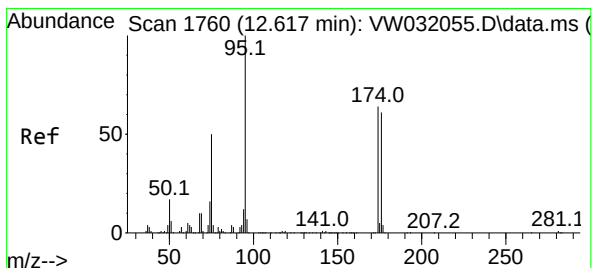
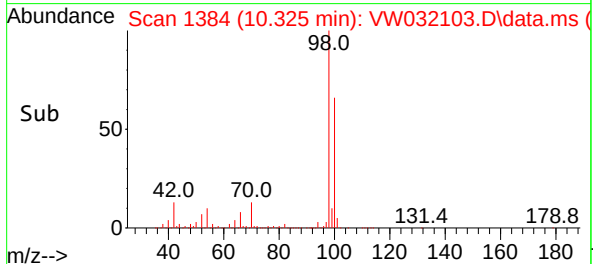
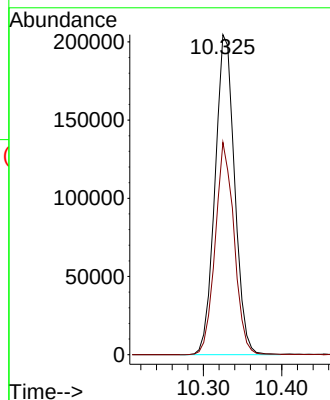
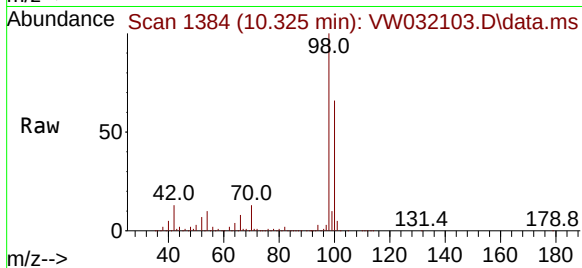
88H-S

Tgt Ion: 98 Resp: 355808

Ion Ratio Lower Upper

98 100

100 64.0 51.1 76.7



#62

4-Bromofluorobenzene

Concen: 48.269 ug/l

RT: 12.617 min Scan# 1760

Delta R.T. 0.000 min

Lab File: VW032103.D

Acq: 14 Aug 2025 18:47

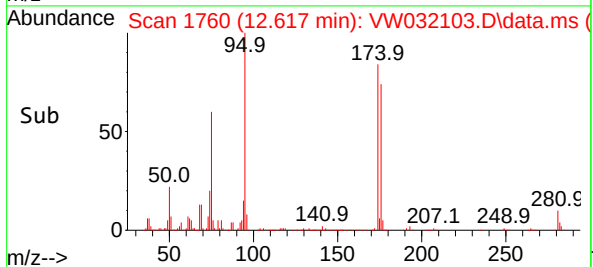
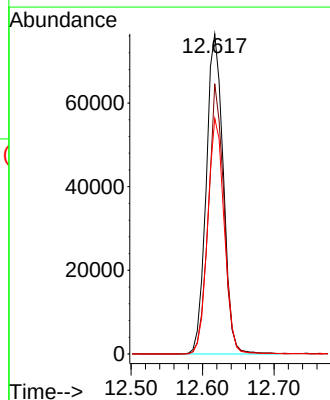
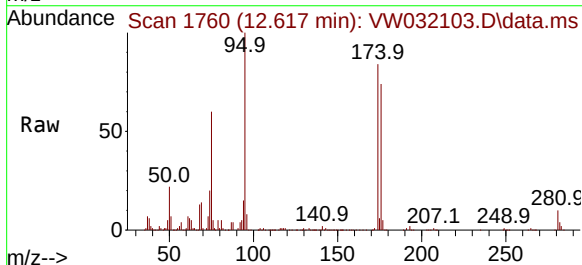
Tgt Ion: 95 Resp: 126826

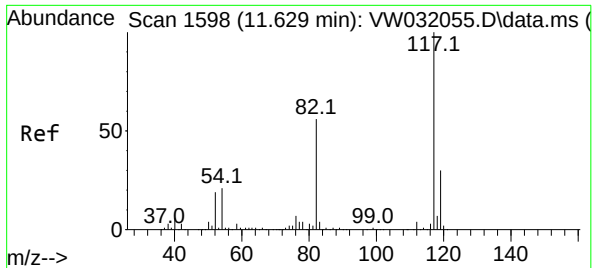
Ion Ratio Lower Upper

95 100

174 77.0 0.0 129.0

176 71.9 0.0 124.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.636 min Scan# 11

Delta R.T. 0.006 min

Lab File: VW032103.D

Acq: 14 Aug 2025 18:47

Instrument :

MSVOA_W

ClientSampleId :

88H-S

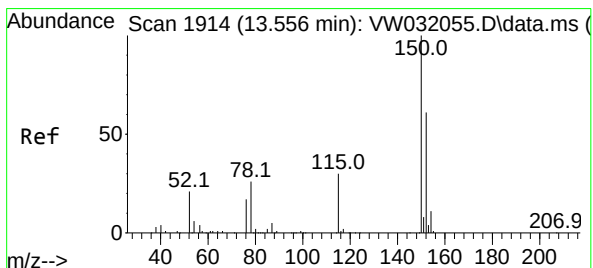
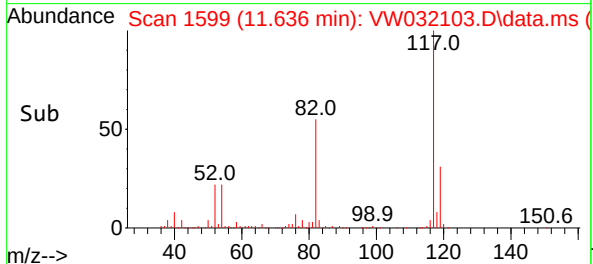
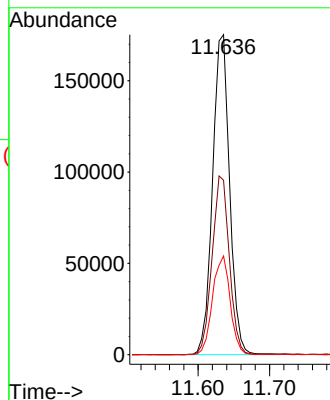
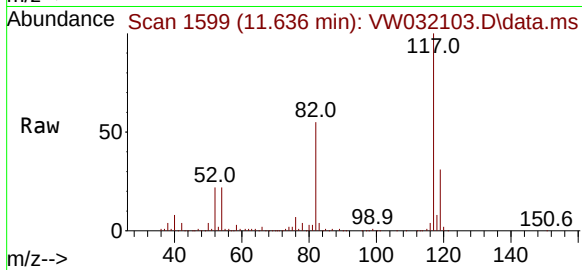
Tgt Ion:117 Resp: 290020

Ion Ratio Lower Upper

117 100

82 54.5 45.0 67.4

119 30.8 24.2 36.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.556 min Scan# 1914

Delta R.T. 0.000 min

Lab File: VW032103.D

Acq: 14 Aug 2025 18:47

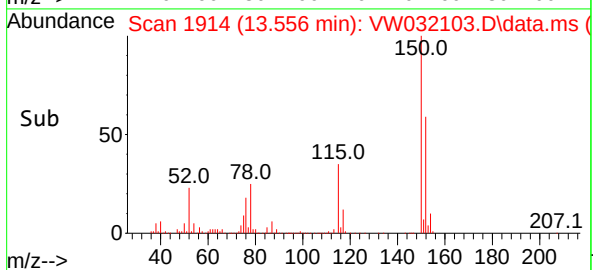
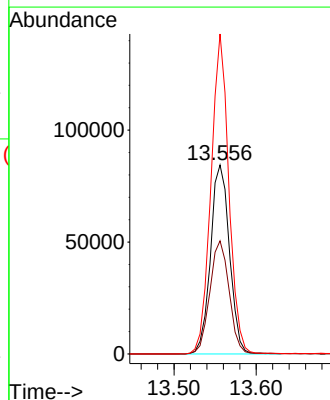
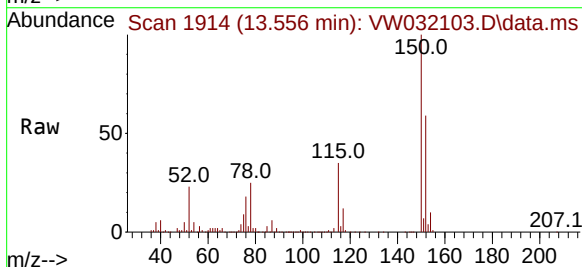
Tgt Ion:152 Resp: 135214

Ion Ratio Lower Upper

152 100

115 61.1 32.6 97.8

150 159.3 0.0 359.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
Data File : VW032103.D
Acq On : 14 Aug 2025 18:47
Operator : SY/MD
Sample : Q2820-20
Misc : 8.76g/5mL/MSVOA_W/SOIL/A
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
88H-S

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M

Title : SW846 8260

Signal : TIC: VW032103.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.161	365	373	379	rBV	18233	51980	5.29%	0.913%
2	4.241	380	386	397	rVB3	21434	62311	6.34%	1.095%
3	4.954	493	503	520	rBV3	10383	45672	4.65%	0.802%
4	7.898	970	986	991	rBV	150840	373853	38.05%	6.568%
5	7.959	991	996	1009	rVB2	207083	487156	49.58%	8.558%
6	8.319	1044	1055	1068	rBV	155883	353244	35.95%	6.206%
7	8.849	1134	1142	1152	rBV	362775	731743	74.47%	12.855%
8	10.325	1374	1384	1394	rBV	566422	982651	100.00%	17.262%
9	11.636	1589	1599	1608	rBV	552491	949876	96.66%	16.687%
10	12.617	1749	1760	1771	rBV2	440149	776654	79.04%	13.644%
11	13.556	1907	1914	1926	rVB	551781	877273	89.28%	15.411%

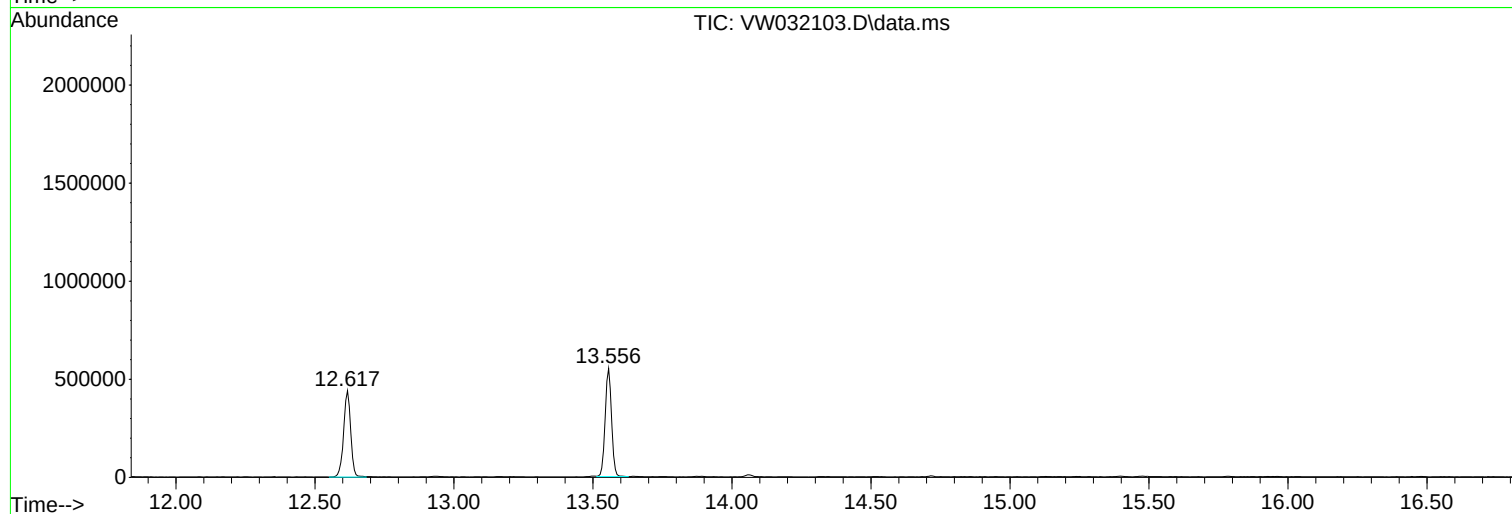
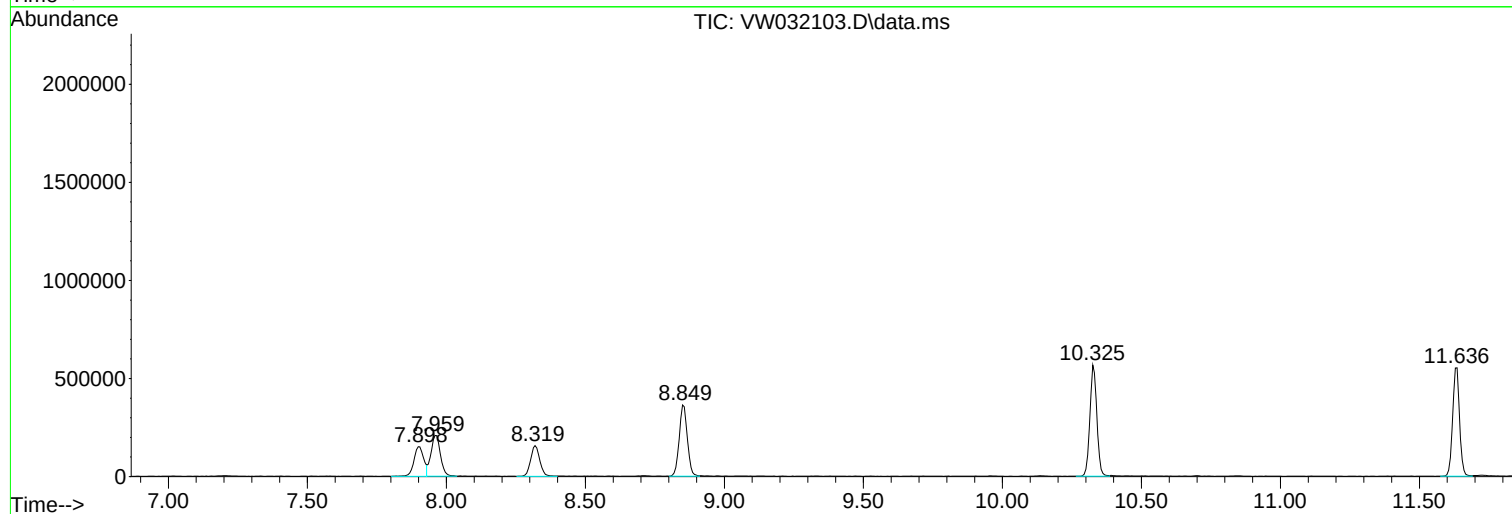
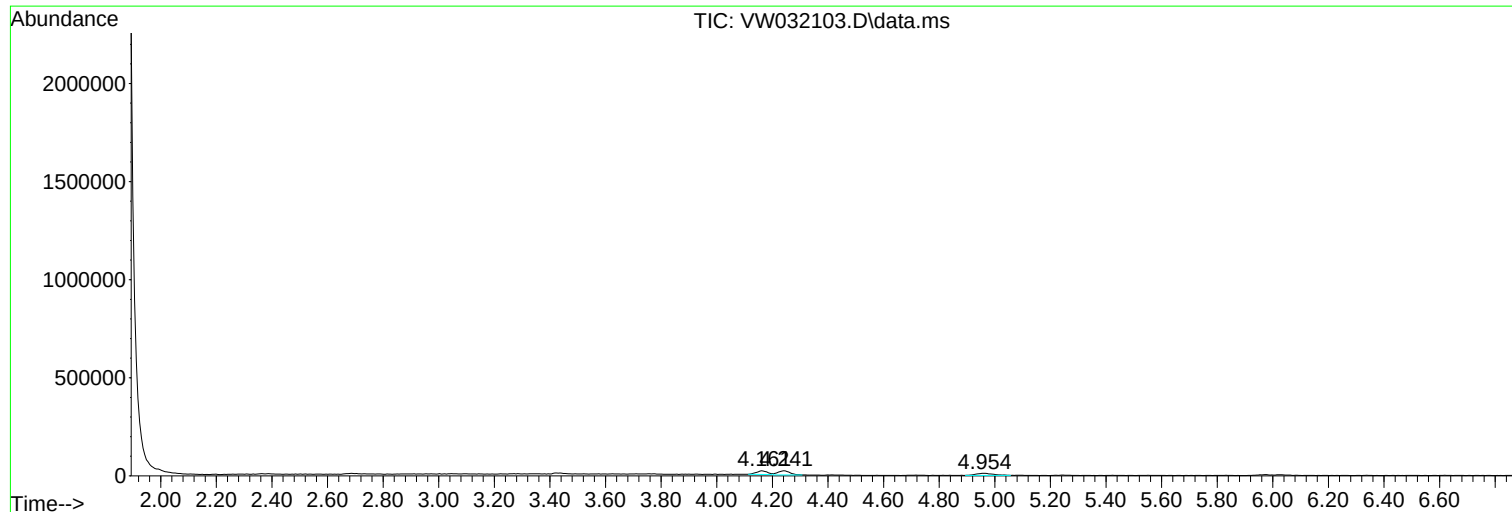
Sum of corrected areas: 5692413

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
Data File : VW032103.D
Acq On : 14 Aug 2025 18:47
Operator : SY/MD
Sample : Q2820-20
Misc : 8.76g/5mL/MSVOA_W/SOIL/A
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
88H-S

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
Data File : VW032103.D
Acq On : 14 Aug 2025 18:47
Operator : SY/MD
Sample : Q2820-20
Misc : 8.76g/5mL/MSVOA_W/SOIL/A
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
88H-S

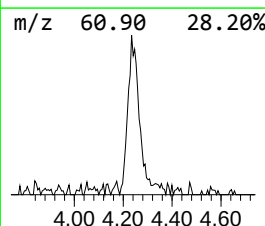
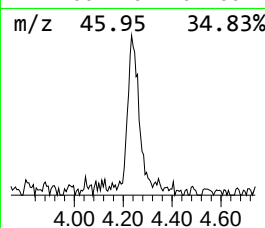
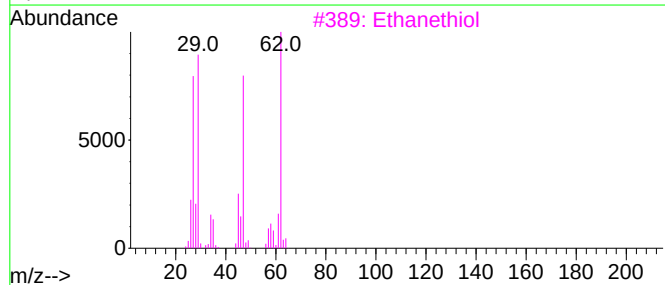
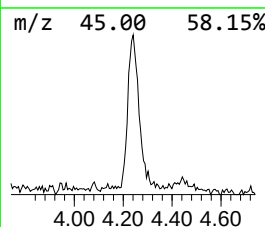
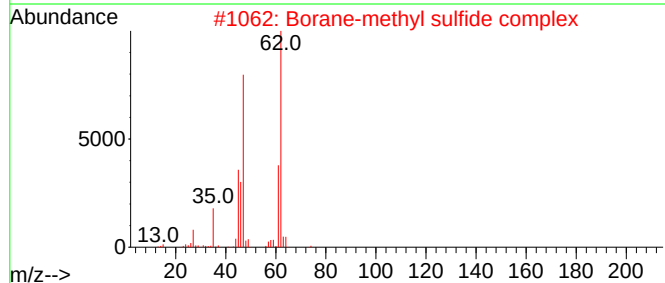
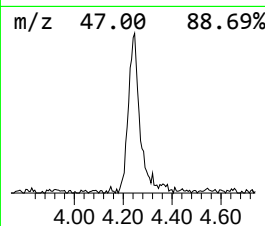
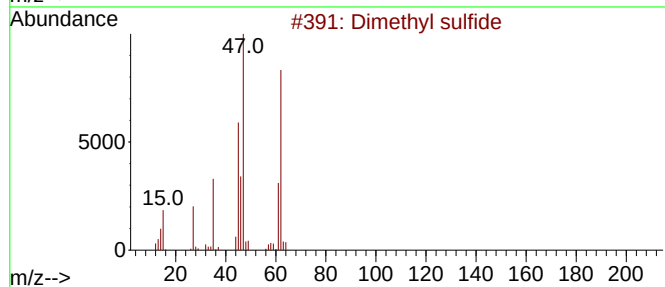
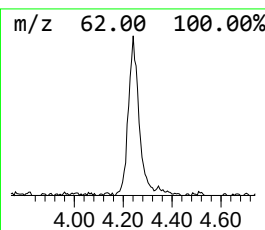
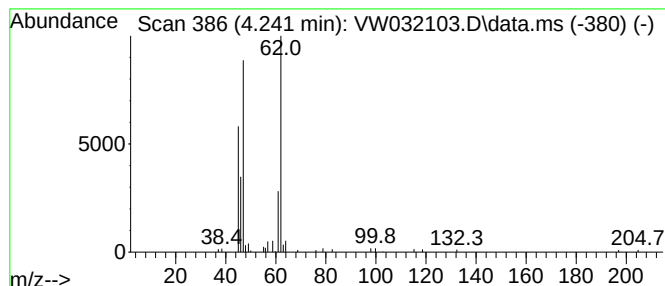
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260

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

Peak Number 1 Dimethyl sulfide Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.241	6.40 ug/l	62311	Pentafluorobenzene	7.965

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dimethyl sulfide	62	C2H6S	000075-18-3	91
2			Borane-methyl sulfide complex	76	C2H9BS	013292-87-0	90
3			Ethanethiol	62	C2H6S	000075-08-1	78
4			3-(Ehtylthio)propanal	118	C5H10OS	005454-45-5	64
5			Acetic acid, 2,2'-thiobis-	150	C4H6O4S	000123-93-3	10



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
Data File : VW032103.D
Acq On : 14 Aug 2025 18:47
Operator : SY/MD
Sample : Q2820-20
Misc : 8.76g/5mL/MSVOA_W/SOIL/A
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
88H-S

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Dimethyl sulfide	4.241	6.4	ug/l	62311	1	7.965	487156	50.0

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	22M-N	SDG No.:	Q2820
Lab Sample ID:	Q2820-21	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	92.2
Sample Wt/Vol:	7.59 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY023118.D	1	08/15/25 11:54	VY081525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	2.90	U	0.81	2.90	3.60	ug/Kg
74-87-3	Chloromethane	1.80	U	0.81	1.80	3.60	ug/Kg
75-01-4	Vinyl Chloride	1.80	U	0.56	1.80	3.60	ug/Kg
74-83-9	Bromomethane	2.90	U	0.76	2.90	3.60	ug/Kg
75-00-3	Chloroethane	1.80	U	0.90	1.80	3.60	ug/Kg
75-69-4	Trichlorofluoromethane	2.90	U	0.86	2.90	3.60	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.80	U	0.76	1.80	3.60	ug/Kg
75-35-4	1,1-Dichloroethene	1.80	U	0.71	1.80	3.60	ug/Kg
67-64-1	Acetone	14.3	U	3.40	14.3	17.9	ug/Kg
75-15-0	Carbon Disulfide	2.90	U	0.76	2.90	3.60	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.80	U	0.52	1.80	3.60	ug/Kg
79-20-9	Methyl Acetate	2.90	U	1.10	2.90	3.60	ug/Kg
75-09-2	Methylene Chloride	5.70	U	2.50	5.70	7.10	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.80	U	0.61	1.80	3.60	ug/Kg
75-34-3	1,1-Dichloroethane	1.80	U	0.57	1.80	3.60	ug/Kg
110-82-7	Cyclohexane	1.80	U	0.56	1.80	3.60	ug/Kg
78-93-3	2-Butanone	14.3	U	4.70	14.3	17.9	ug/Kg
56-23-5	Carbon Tetrachloride	1.80	U	0.69	1.80	3.60	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1.80	U	0.54	1.80	3.60	ug/Kg
74-97-5	Bromochloromethane	2.90	U	0.82	2.90	3.60	ug/Kg
67-66-3	Chloroform	2.90	U	0.60	2.90	3.60	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.80	U	0.66	1.80	3.60	ug/Kg
108-87-2	Methylcyclohexane	1.80	U	0.65	1.80	3.60	ug/Kg
71-43-2	Benzene	1.80	U	0.56	1.80	3.60	ug/Kg
107-06-2	1,2-Dichloroethane	1.80	U	0.56	1.80	3.60	ug/Kg
79-01-6	Trichloroethene	1.80	U	0.58	1.80	3.60	ug/Kg
78-87-5	1,2-Dichloropropane	1.80	U	0.65	1.80	3.60	ug/Kg
75-27-4	Bromodichloromethane	1.80	U	0.56	1.80	3.60	ug/Kg
108-10-1	4-Methyl-2-Pentanone	8.90	U	2.60	8.90	17.9	ug/Kg
108-88-3	Toluene	1.80	U	0.56	1.80	3.60	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	22M-N	SDG No.:	Q2820
Lab Sample ID:	Q2820-21	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	92.2
Sample Wt/Vol:	7.59 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY023118.D	1	08/15/25 11:54	VY081525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	1.80	U	0.46	1.80	3.60	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.80	U	0.44	1.80	3.60	ug/Kg
79-00-5	1,1,2-Trichloroethane	1.80	U	0.66	1.80	3.60	ug/Kg
591-78-6	2-Hexanone	8.90	U	2.60	8.90	17.9	ug/Kg
124-48-1	Dibromochloromethane	1.80	U	0.62	1.80	3.60	ug/Kg
106-93-4	1,2-Dibromoethane	1.80	U	0.63	1.80	3.60	ug/Kg
127-18-4	Tetrachloroethene	1.80	U	0.75	1.80	3.60	ug/Kg
108-90-7	Chlorobenzene	1.80	U	0.65	1.80	3.60	ug/Kg
100-41-4	Ethyl Benzene	1.80	U	0.48	1.80	3.60	ug/Kg
179601-23-1	m/p-Xylenes	3.60	U	0.89	3.60	7.10	ug/Kg
95-47-6	o-Xylene	1.80	U	0.59	1.80	3.60	ug/Kg
100-42-5	Styrene	1.80	U	0.51	1.80	3.60	ug/Kg
75-25-2	Bromoform	1.80	U	0.61	1.80	3.60	ug/Kg
98-82-8	Isopropylbenzene	1.80	U	0.56	1.80	3.60	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.80	U	0.86	1.80	3.60	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.80	U	1.20	1.80	3.60	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.80	U	1.10	1.80	3.60	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.80	U	1.00	1.80	3.60	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	2.90	U	1.30	2.90	3.60	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2.90	U	2.10	2.90	3.60	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	2.90	U	2.30	2.90	3.60	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	57.1		71 - 136		114%	SPK: 50
1868-53-7	Dibromofluoromethane	52.7		78 - 119		105%	SPK: 50
2037-26-5	Toluene-d8	51.8		85 - 116		104%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.4		79 - 119		97%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	571000	7.707				
540-36-3	1,4-Difluorobenzene	1080000	8.61				
3114-55-4	Chlorobenzene-d5	964000	11.414				
3855-82-1	1,4-Dichlorobenzene-d4	388000	13.34				

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	22M-N	SDG No.:	Q2820
Lab Sample ID:	Q2820-21	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	92.2
Sample Wt/Vol:	7.59 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY023118.D	1	08/15/25 11:54	VY081525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081525\
Data File : VY023118.D
Acq On : 15 Aug 2025 11:54
Operator : SY/MD
Sample : Q2820-21
Misc : 7.59g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
22M-N

Quant Time: Aug 18 02:27:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	570930	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	1075634	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	964069	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	387628	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	310901	57.137	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	114.280%
35) Dibromofluoromethane	7.634	113	339136	52.692	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	105.380%
50) Toluene-d8	10.103	98	1302624	51.807	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	103.620%
62) 4-Bromofluorobenzene	12.402	95	391385	48.402	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	96.800%

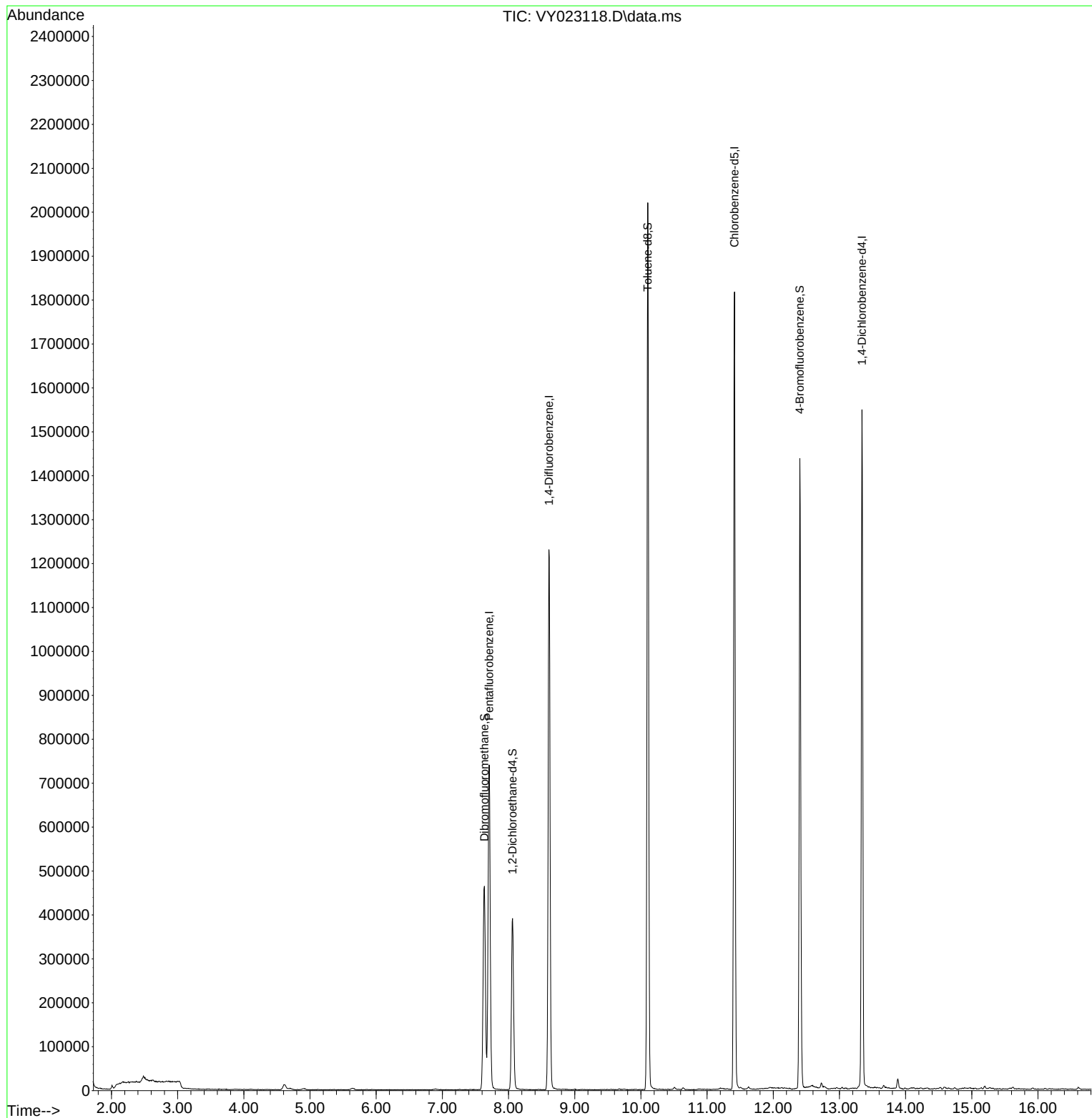
Target Compounds	Qvalue
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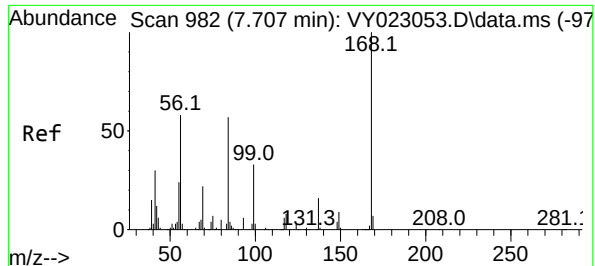
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081525\
Data File : VY023118.D
Acq On : 15 Aug 2025 11:54
Operator : SY/MD
Sample : Q2820-21
Misc : 7.59g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
22M-N

Quant Time: Aug 18 02:27:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

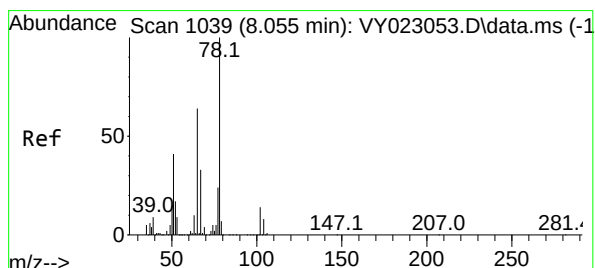
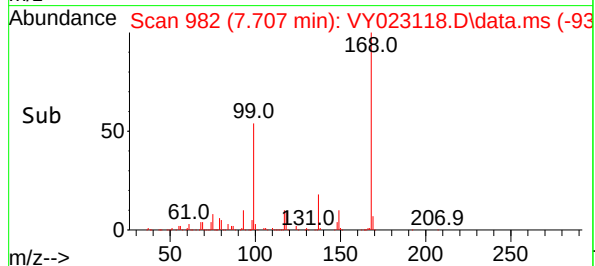
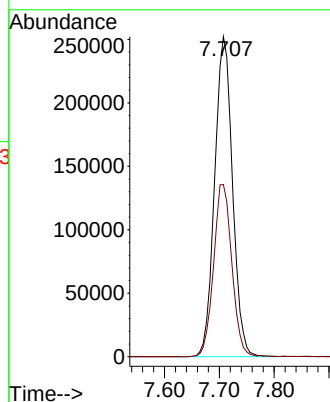
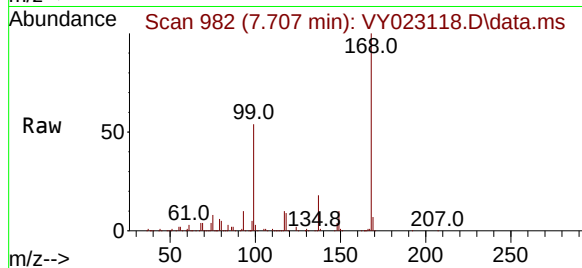




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023118.D
Acq: 15 Aug 2025 11:54

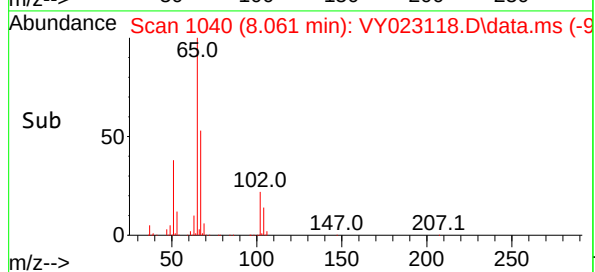
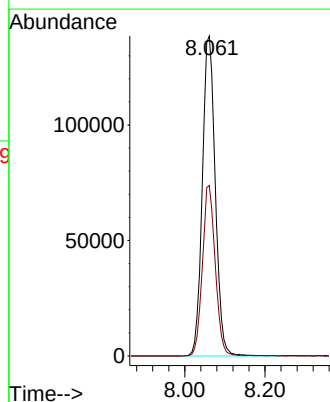
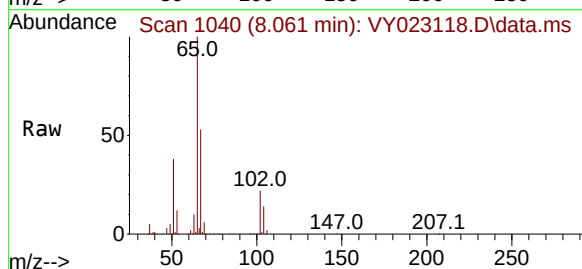
Instrument :
MSVOA_Y
ClientSampleId :
22M-N

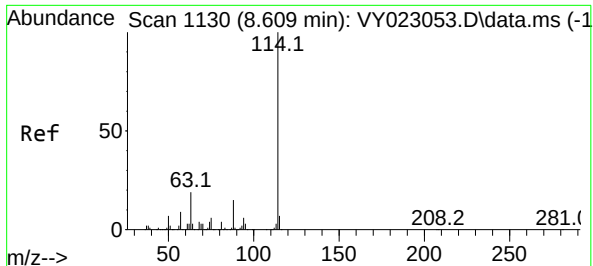
Tgt Ion:168 Resp: 570930
Ion Ratio Lower Upper
168 100
99 53.8 42.8 64.2



#33
1,2-Dichloroethane-d4
Concen: 57.137 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VY023118.D
Acq: 15 Aug 2025 11:54

Tgt Ion: 65 Resp: 310901
Ion Ratio Lower Upper
65 100
67 52.8 0.0 106.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.610 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VY023118.D

Acq: 15 Aug 2025 11:54

Instrument :

MSVOA_Y

ClientSampleId :

22M-N

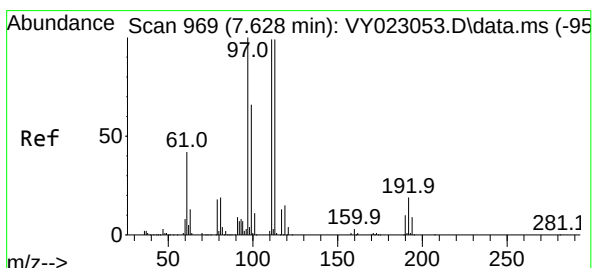
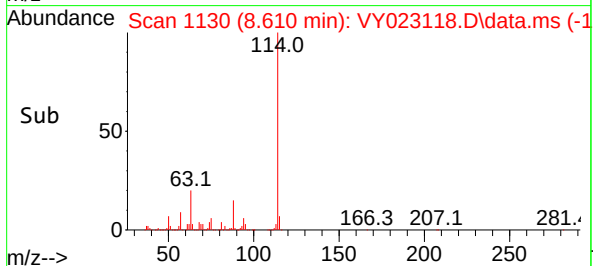
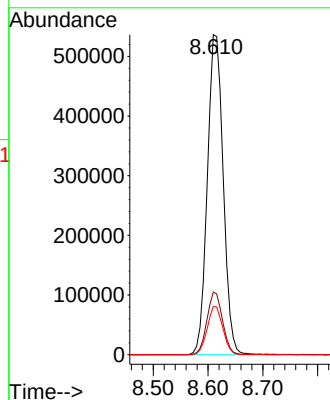
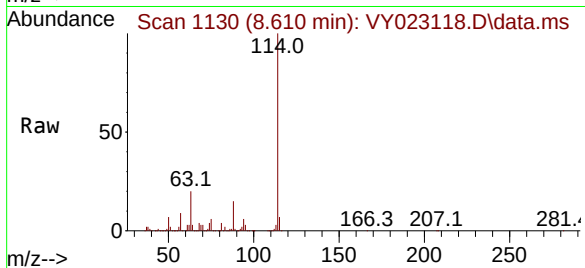
Tgt Ion:114 Resp: 1075634

Ion Ratio Lower Upper

114 100

63 19.6 0.0 38.4

88 15.1 0.0 30.0



#35

Dibromofluoromethane

Concen: 52.692 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.006 min

Lab File: VY023118.D

Acq: 15 Aug 2025 11:54

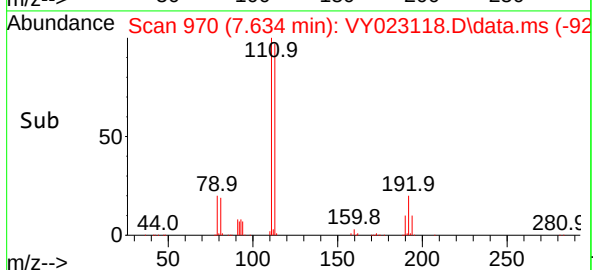
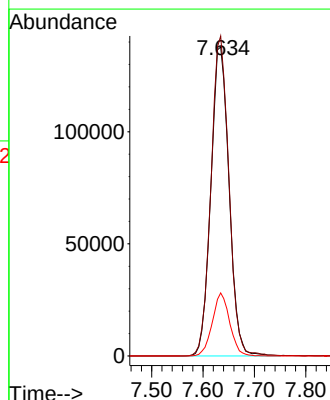
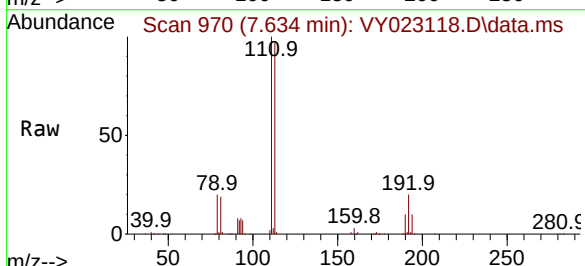
Tgt Ion:113 Resp: 339136

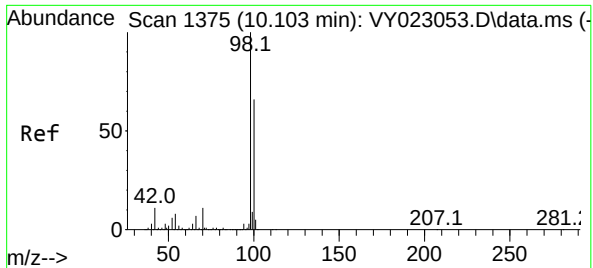
Ion Ratio Lower Upper

113 100

111 102.0 81.1 121.7

192 19.5 16.2 24.4

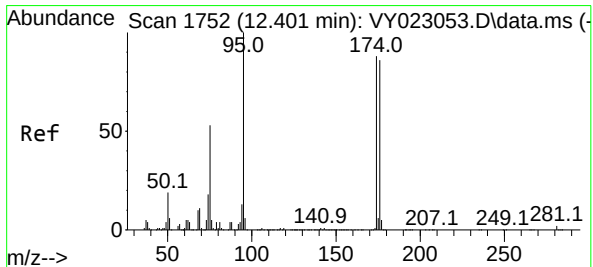
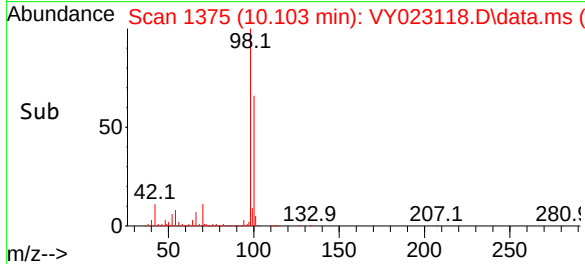
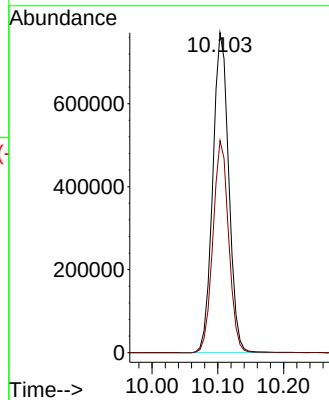
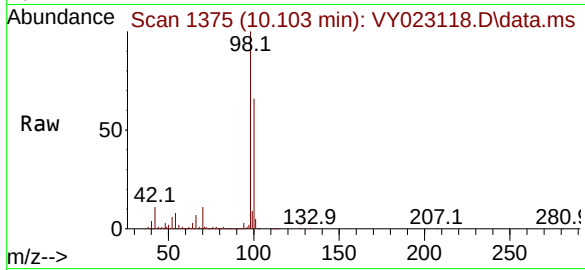




#50
Toluene-d8
Concen: 51.807 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY023118.D
Acq: 15 Aug 2025 11:54

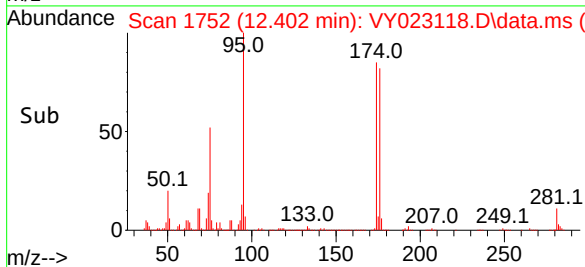
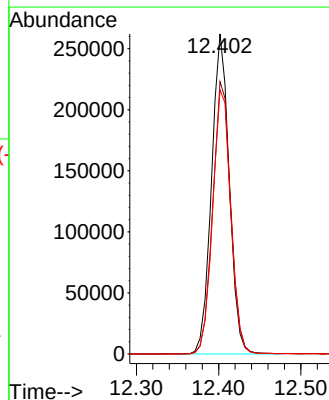
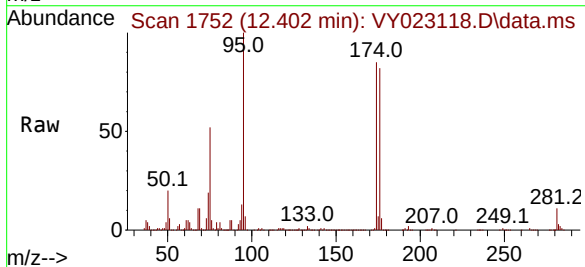
Instrument :
MSVOA_Y
ClientSampleId :
22M-N

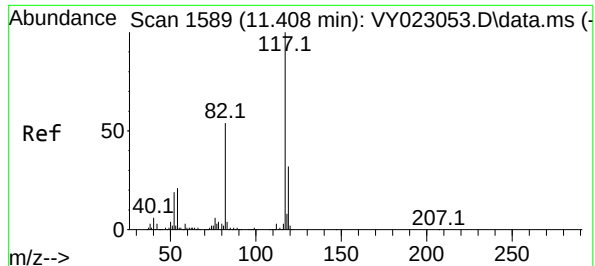
Tgt Ion: 98 Resp: 1302624
Ion Ratio Lower Upper
98 100
100 65.4 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 48.402 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023118.D
Acq: 15 Aug 2025 11:54

Tgt Ion: 95 Resp: 391385
Ion Ratio Lower Upper
95 100
174 87.0 0.0 171.6
176 84.6 0.0 167.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023118.D

Acq: 15 Aug 2025 11:54

Instrument :

MSVOA_Y

ClientSampleId :

22M-N

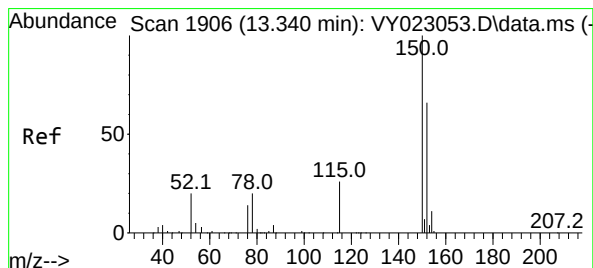
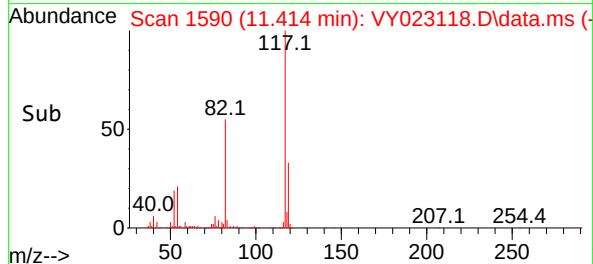
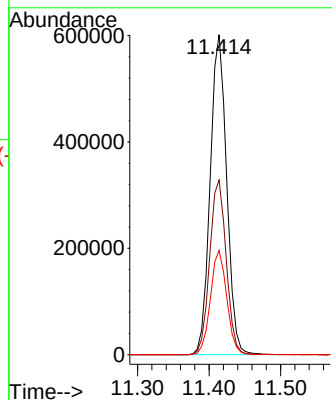
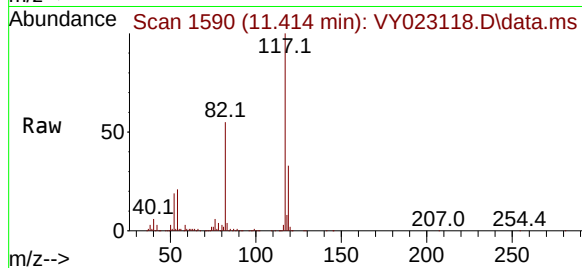
Tgt Ion:117 Resp: 964069

Ion Ratio Lower Upper

117 100

82 54.5 43.4 65.0

119 32.6 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.340 min Scan# 1906

Delta R.T. 0.000 min

Lab File: VY023118.D

Acq: 15 Aug 2025 11:54

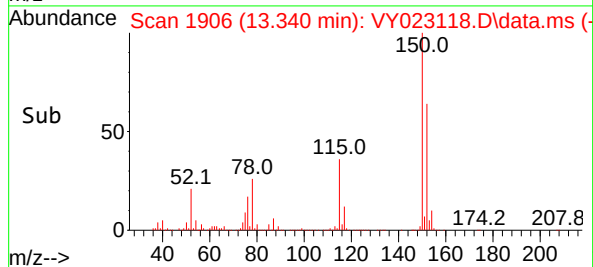
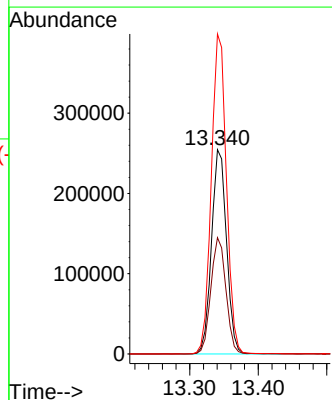
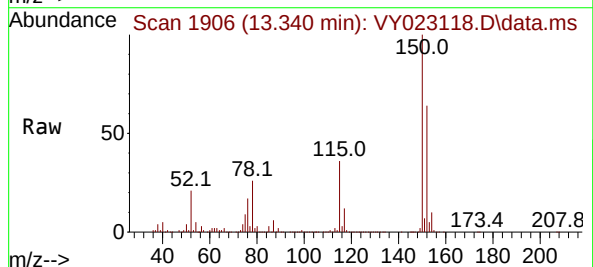
Tgt Ion:152 Resp: 387628

Ion Ratio Lower Upper

152 100

115 57.3 28.2 84.6

150 157.4 0.0 348.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081525\
Data File : VY023118.D
Acq On : 15 Aug 2025 11:54
Operator : SY/MD
Sample : Q2820-21
Misc : 7.59g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
22M-N

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M

Title : SW846 8260

Signal : TIC: VY023118.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.604	461	473	483	rBV3	11704	42913	1.26%	0.248%
2	7.634	960	970	976	rBV	463368	1136083	33.24%	6.556%
3	7.707	976	982	999	rVB	738679	1663643	48.67%	9.600%
4	8.061	1030	1040	1059	rVB2	389626	882690	25.82%	5.094%
5	8.610	1120	1130	1142	rBV	1230136	2451025	71.71%	14.144%
6	10.103	1367	1375	1391	rBV	2019536	3418110	100.00%	19.725%
7	11.414	1581	1590	1602	rBV	1815871	2943588	86.12%	16.987%
8	12.402	1745	1752	1763	rBV2	1433840	2367215	69.26%	13.661%
9	13.340	1892	1906	1922	rBV	1546008	2388027	69.86%	13.781%
10	13.883	1989	1995	2001	rVB2	21013	35466	1.04%	0.205%

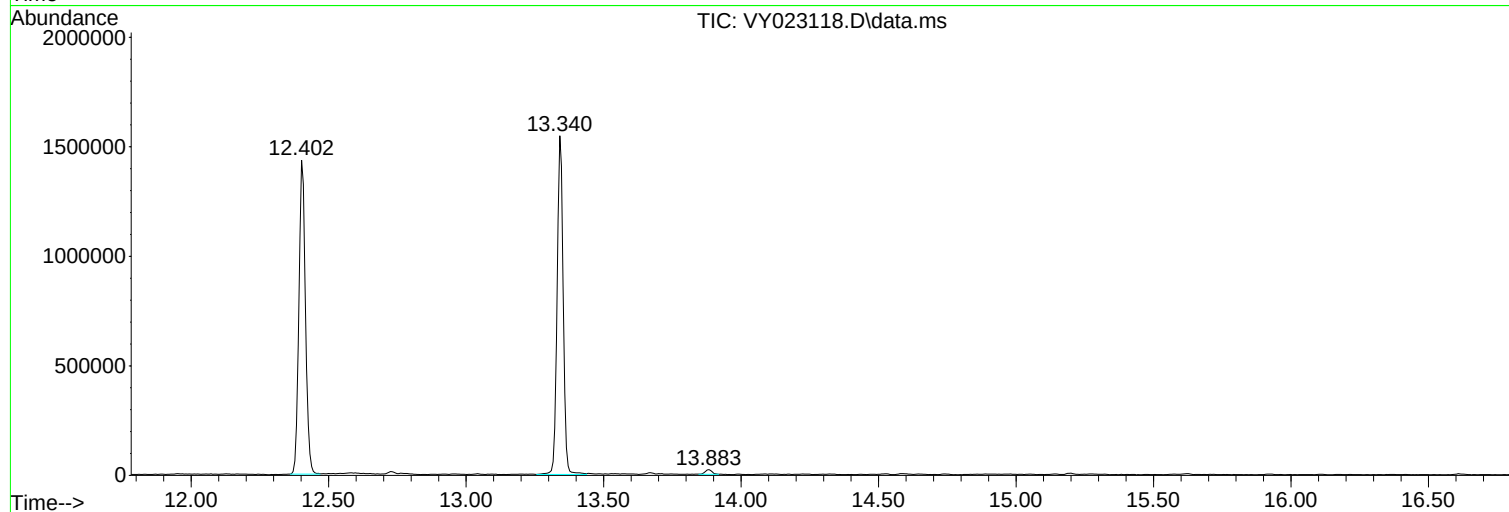
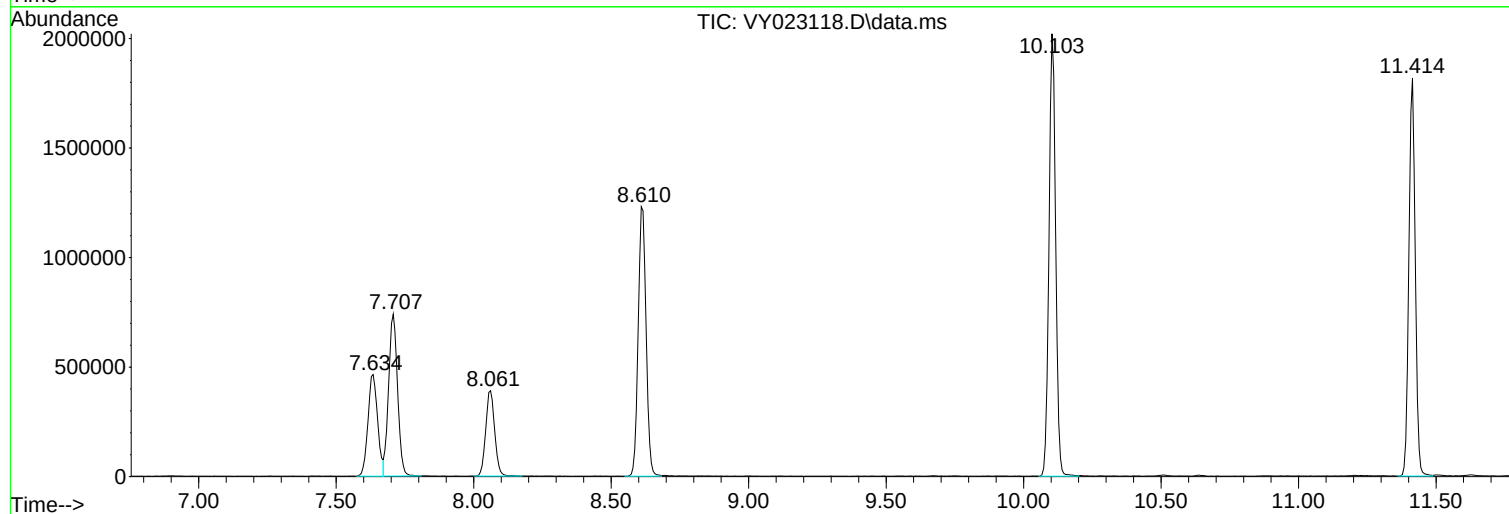
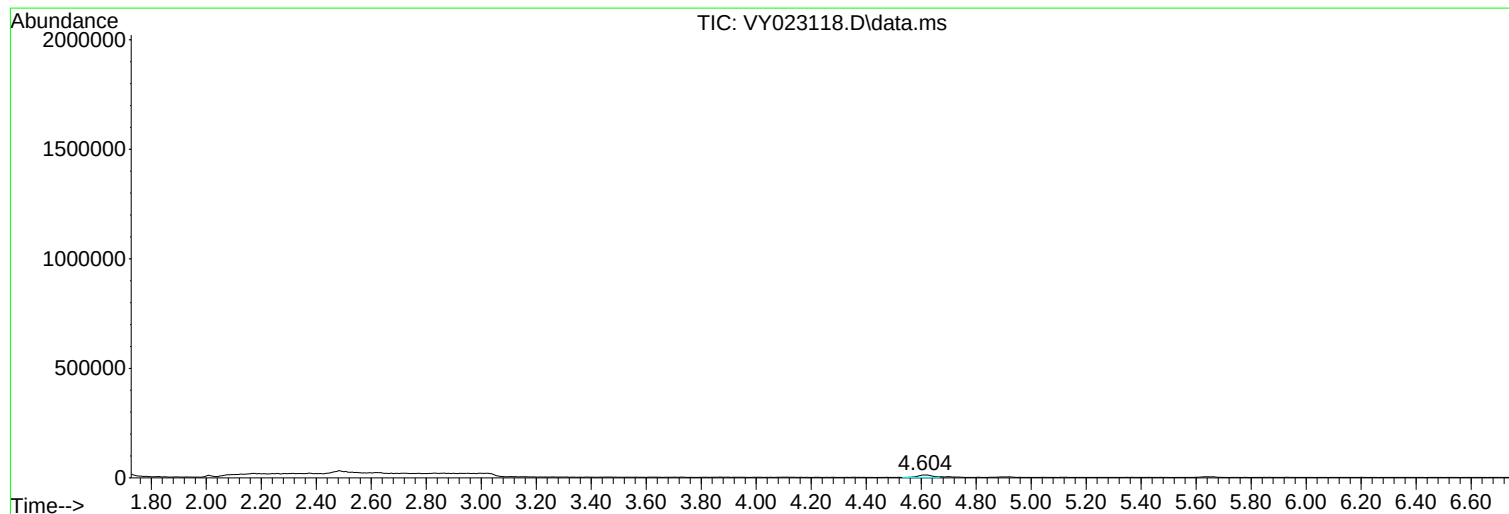
Sum of corrected areas: 17328760

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081525\
Data File : VY023118.D
Acq On : 15 Aug 2025 11:54
Operator : SY/MD
Sample : Q2820-21
Misc : 7.59g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
22M-N

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081525\
Data File : VY023118.D
Acq On : 15 Aug 2025 11:54
Operator : SY/MD
Sample : Q2820-21
Misc : 7.59g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
22M-N

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081525\
Data File : VY023118.D
Acq On : 15 Aug 2025 11:54
Operator : SY/MD
Sample : Q2820-21
Misc : 7.59g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
22M-N

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260

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

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

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	22M-W	SDG No.:	Q2820
Lab Sample ID:	Q2820-22	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	52.9
Sample Wt/Vol:	8.08 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY023119.D	1	08/15/25 12:18	VY081525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	4.70	U	1.30	4.70	5.80	ug/Kg
74-87-3	Chloromethane	2.90	U	1.30	2.90	5.80	ug/Kg
75-01-4	Vinyl Chloride	2.90	U	0.92	2.90	5.80	ug/Kg
74-83-9	Bromomethane	4.70	U	1.30	4.70	5.80	ug/Kg
75-00-3	Chloroethane	2.90	U	1.50	2.90	5.80	ug/Kg
75-69-4	Trichlorofluoromethane	4.70	U	1.40	4.70	5.80	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	2.90	U	1.20	2.90	5.80	ug/Kg
75-35-4	1,1-Dichloroethene	2.90	U	1.20	2.90	5.80	ug/Kg
67-64-1	Acetone	18.1	J	5.50	23.4	29.2	ug/Kg
75-15-0	Carbon Disulfide	4.70	J	1.20	4.70	5.80	ug/Kg
1634-04-4	Methyl tert-butyl Ether	2.90	U	0.85	2.90	5.80	ug/Kg
79-20-9	Methyl Acetate	4.70	U	1.80	4.70	5.80	ug/Kg
75-09-2	Methylene Chloride	9.40	U	4.10	9.40	11.7	ug/Kg
156-60-5	trans-1,2-Dichloroethene	2.90	U	1.00	2.90	5.80	ug/Kg
75-34-3	1,1-Dichloroethane	2.90	U	0.94	2.90	5.80	ug/Kg
110-82-7	Cyclohexane	2.90	U	0.92	2.90	5.80	ug/Kg
78-93-3	2-Butanone	23.4	U	7.70	23.4	29.2	ug/Kg
56-23-5	Carbon Tetrachloride	2.90	U	1.10	2.90	5.80	ug/Kg
156-59-2	cis-1,2-Dichloroethene	2.90	U	0.88	2.90	5.80	ug/Kg
74-97-5	Bromochloromethane	4.70	U	1.30	4.70	5.80	ug/Kg
67-66-3	Chloroform	4.70	U	0.98	4.70	5.80	ug/Kg
71-55-6	1,1,1-Trichloroethane	2.90	U	1.10	2.90	5.80	ug/Kg
108-87-2	Methylcyclohexane	2.90	U	1.10	2.90	5.80	ug/Kg
71-43-2	Benzene	2.90	U	0.92	2.90	5.80	ug/Kg
107-06-2	1,2-Dichloroethane	2.90	U	0.92	2.90	5.80	ug/Kg
79-01-6	Trichloroethene	2.90	U	0.95	2.90	5.80	ug/Kg
78-87-5	1,2-Dichloropropane	2.90	U	1.10	2.90	5.80	ug/Kg
75-27-4	Bromodichloromethane	2.90	U	0.91	2.90	5.80	ug/Kg
108-10-1	4-Methyl-2-Pentanone	14.6	U	4.20	14.6	29.2	ug/Kg
108-88-3	Toluene	2.90	U	0.91	2.90	5.80	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	22M-W	SDG No.:	Q2820
Lab Sample ID:	Q2820-22	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	52.9
Sample Wt/Vol:	8.08 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY023119.D	1	08/15/25 12:18	VY081525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	2.90	U	0.76	2.90	5.80	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	2.90	U	0.73	2.90	5.80	ug/Kg
79-00-5	1,1,2-Trichloroethane	2.90	U	1.10	2.90	5.80	ug/Kg
591-78-6	2-Hexanone	14.6	U	4.30	14.6	29.2	ug/Kg
124-48-1	Dibromochloromethane	2.90	U	1.00	2.90	5.80	ug/Kg
106-93-4	1,2-Dibromoethane	2.90	U	1.00	2.90	5.80	ug/Kg
127-18-4	Tetrachloroethene	2.90	U	1.20	2.90	5.80	ug/Kg
108-90-7	Chlorobenzene	2.90	U	1.10	2.90	5.80	ug/Kg
100-41-4	Ethyl Benzene	2.90	U	0.78	2.90	5.80	ug/Kg
179601-23-1	m/p-Xylenes	5.80	U	1.50	5.80	11.7	ug/Kg
95-47-6	o-Xylene	2.90	U	0.96	2.90	5.80	ug/Kg
100-42-5	Styrene	2.90	U	0.83	2.90	5.80	ug/Kg
75-25-2	Bromoform	2.90	U	1.00	2.90	5.80	ug/Kg
98-82-8	Isopropylbenzene	2.90	U	0.91	2.90	5.80	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	2.90	U	1.40	2.90	5.80	ug/Kg
541-73-1	1,3-Dichlorobenzene	2.90	U	2.00	2.90	5.80	ug/Kg
106-46-7	1,4-Dichlorobenzene	2.90	U	1.80	2.90	5.80	ug/Kg
95-50-1	1,2-Dichlorobenzene	2.90	U	1.70	2.90	5.80	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	4.70	U	2.20	4.70	5.80	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	4.70	U	3.50	4.70	5.80	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	4.70	U	3.70	4.70	5.80	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	60.8		71 - 136		122%	SPK: 50
1868-53-7	Dibromofluoromethane	52.8		78 - 119		106%	SPK: 50
2037-26-5	Toluene-d8	51.5		85 - 116		103%	SPK: 50
460-00-4	4-Bromofluorobenzene	42.6		79 - 119		85%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	565000	7.707				
540-36-3	1,4-Difluorobenzene	1080000	8.616				
3114-55-4	Chlorobenzene-d5	920000	11.414				
3855-82-1	1,4-Dichlorobenzene-d4	312000	13.34				

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	22M-W	SDG No.:	Q2820
Lab Sample ID:	Q2820-22	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	52.9
Sample Wt/Vol:	8.08 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY023119.D	1	08/15/25 12:18	VY081525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081525\
Data File : VY023119.D
Acq On : 15 Aug 2025 12:18
Operator : SY/MD
Sample : Q2820-22
Misc : 8.08g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
22M-W

Quant Time: Aug 18 02:28:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

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

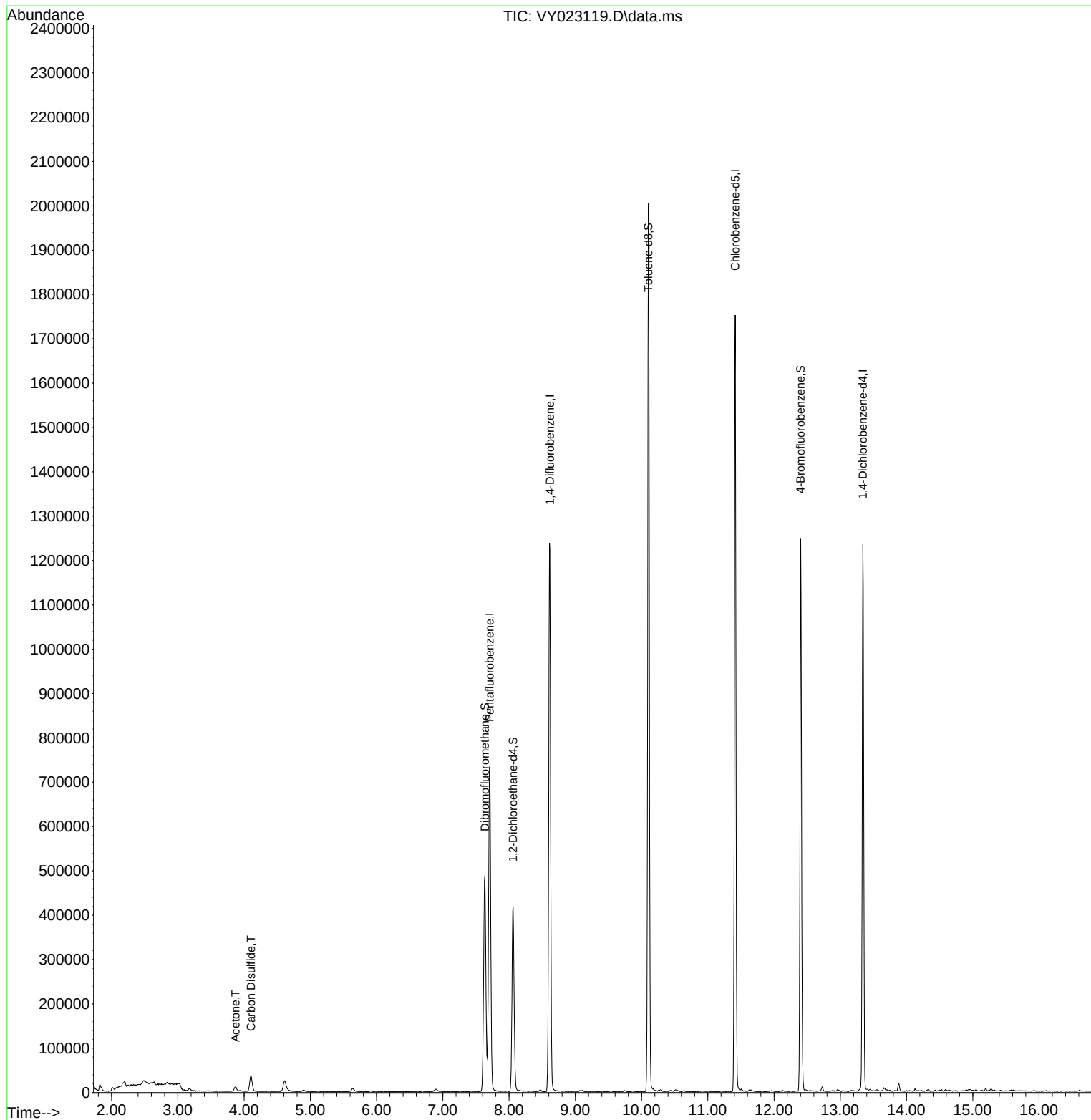
Internal Standards						
1) Pentafluorobenzene	7.707	168	565430	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1082388	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	919769	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	311657	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	327727	60.815	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	121.620%
35) Dibromofluoromethane	7.634	113	341964	52.799	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	105.600%
50) Toluene-d8	10.103	98	1304177	51.545	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	103.100%
62) 4-Bromofluorobenzene	12.402	95	346717	42.610	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	85.220%
Target Compounds						
						Qvalue
16) Acetone	3.873	43	18052	15.462	ug/l	96
17) Carbon Disulfide	4.104	76	70916	3.992	ug/l	96

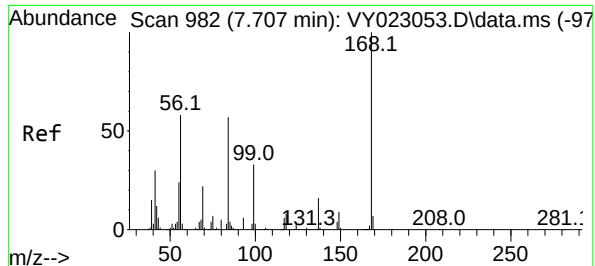
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081525\
Data File : VY023119.D
Acq On : 15 Aug 2025 12:18
Operator : SY/MD
Sample : Q2820-22
Misc : 8.08g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
22M-W

Quant Time: Aug 18 02:28:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

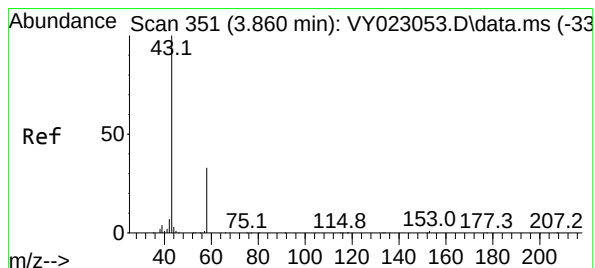
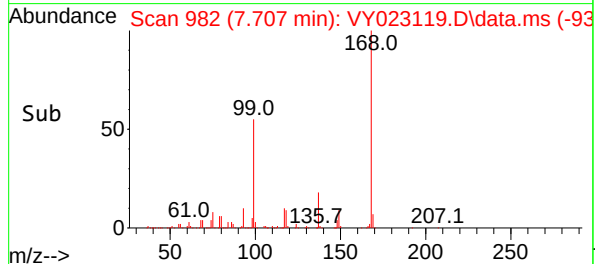
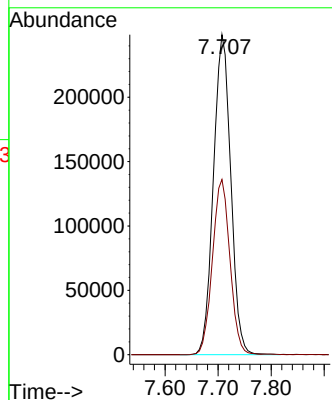
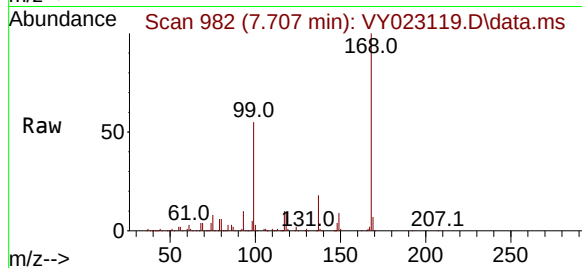




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY023119.D
Acq: 15 Aug 2025 12:18

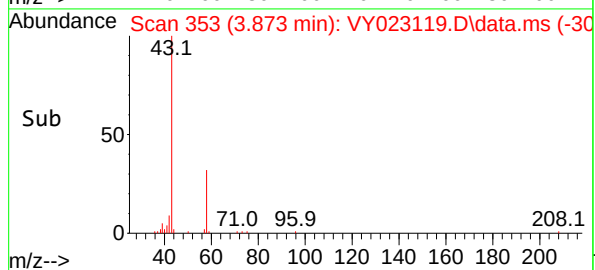
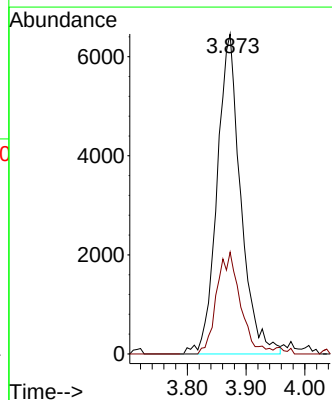
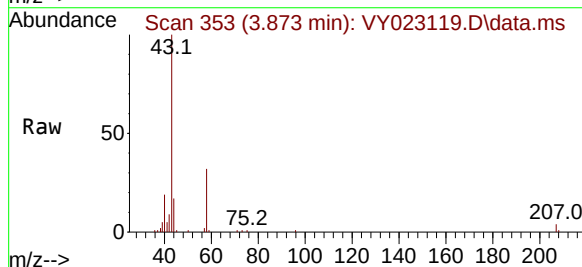
Instrument :
MSVOA_Y
ClientSampleId :
22M-W

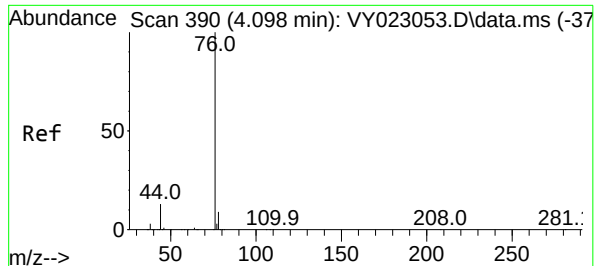
Tgt Ion:168 Resp: 565430
Ion Ratio Lower Upper
168 100
99 54.7 42.8 64.2



#16
Acetone
Concen: 15.462 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.012 min
Lab File: VY023119.D
Acq: 15 Aug 2025 12:18

Tgt Ion: 43 Resp: 18052
Ion Ratio Lower Upper
43 100
58 31.8 27.1 40.7





#17

Carbon Disulfide

Concen: 3.992 ug/l

RT: 4.104 min Scan# 390

Delta R.T. 0.006 min

Lab File: VY023119.D

Acq: 15 Aug 2025 12:18

Instrument :

MSVOA_Y

ClientSampleId :

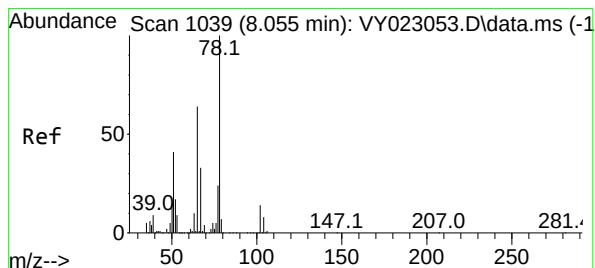
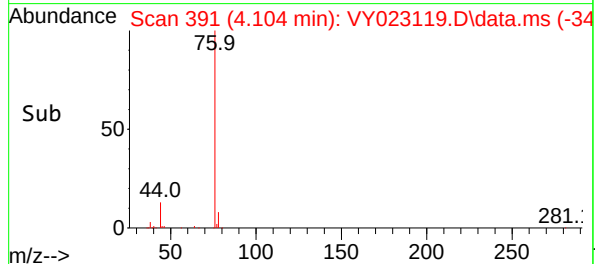
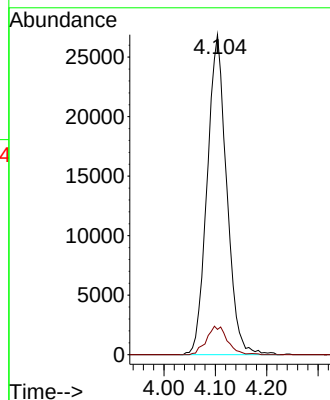
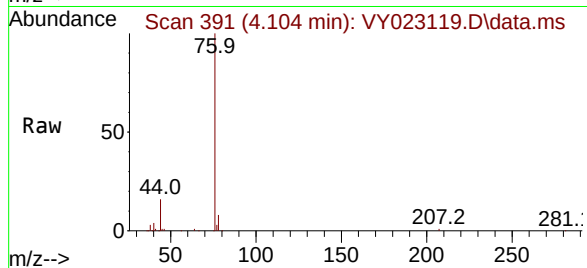
22M-W

Tgt Ion: 76 Resp: 70916

Ion Ratio Lower Upper

76 100

78 7.9 7.4 11.2



#33

1,2-Dichloroethane-d4

Concen: 60.815 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. 0.006 min

Lab File: VY023119.D

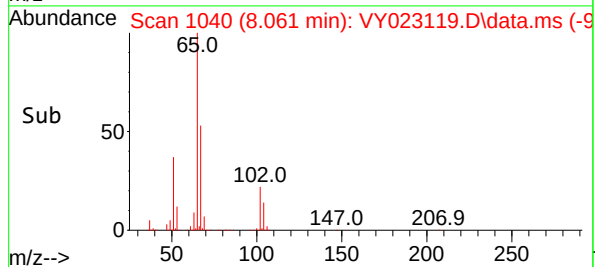
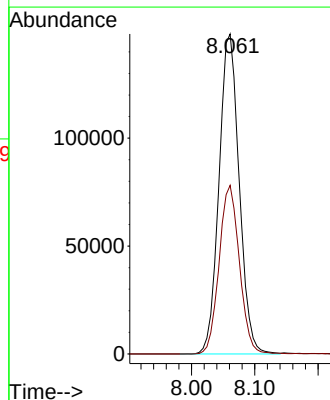
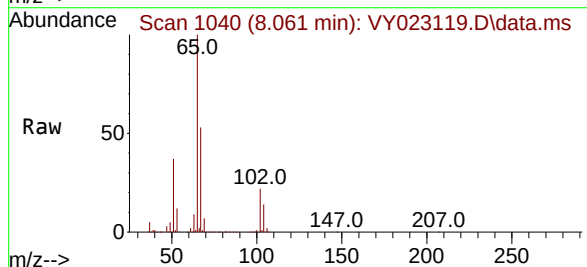
Acq: 15 Aug 2025 12:18

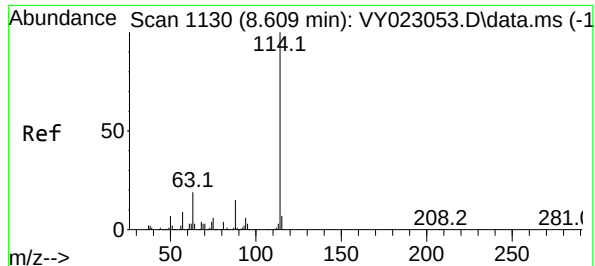
Tgt Ion: 65 Resp: 327727

Ion Ratio Lower Upper

65 100

67 53.0 0.0 106.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1130

Delta R.T. 0.006 min

Lab File: VY023119.D

Acq: 15 Aug 2025 12:18

Instrument :

MSVOA_Y

ClientSampleId :

22M-W

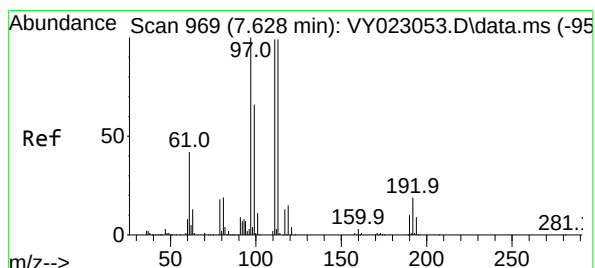
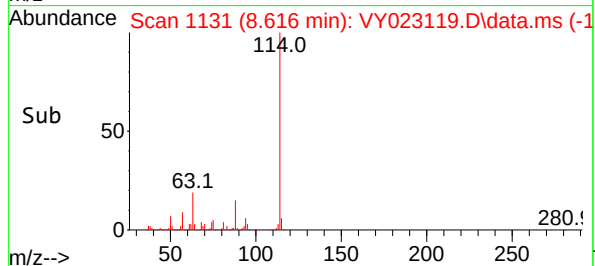
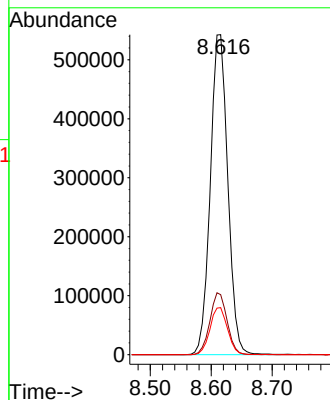
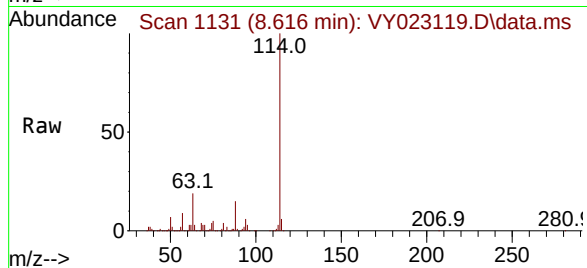
Tgt Ion:114 Resp: 1082388

Ion Ratio Lower Upper

114 100

63 18.7 0.0 38.4

88 14.7 0.0 30.0



#35

Dibromofluoromethane

Concen: 52.799 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.006 min

Lab File: VY023119.D

Acq: 15 Aug 2025 12:18

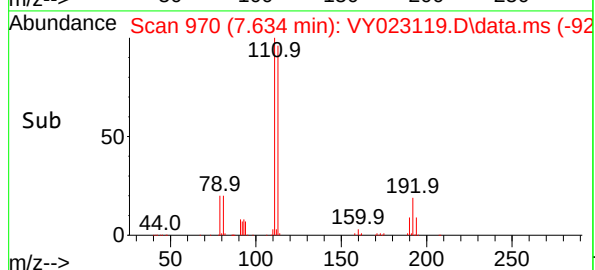
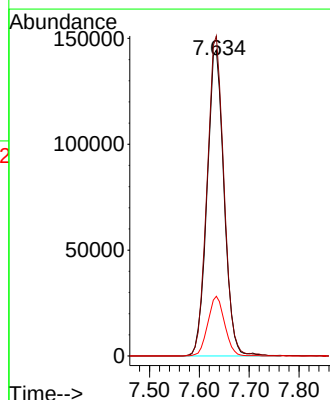
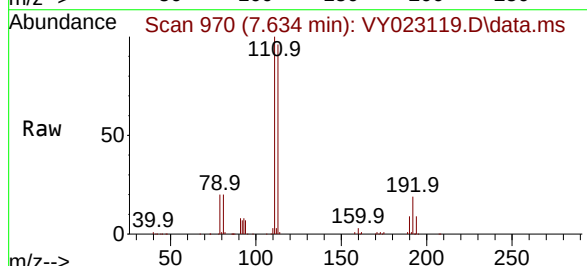
Tgt Ion:113 Resp: 341964

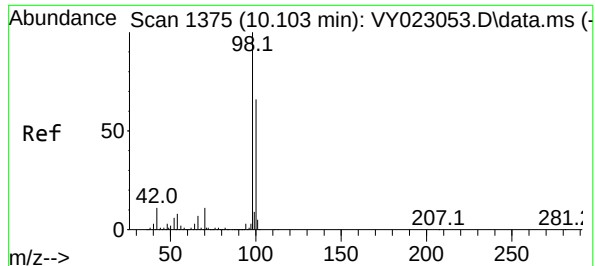
Ion Ratio Lower Upper

113 100

111 103.9 81.1 121.7

192 19.3 16.2 24.4





#50

Toluene-d8

Concen: 51.545 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. 0.000 min

Lab File: VY023119.D

Acq: 15 Aug 2025 12:18

Instrument :

MSVOA_Y

ClientSampleId :

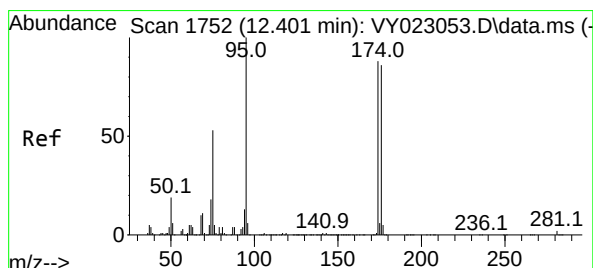
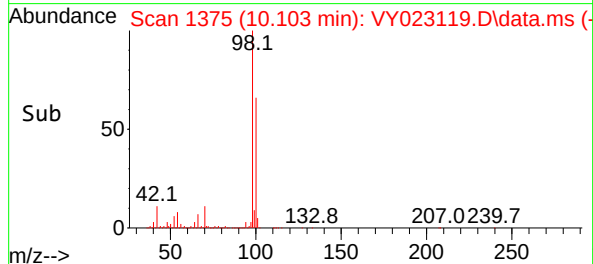
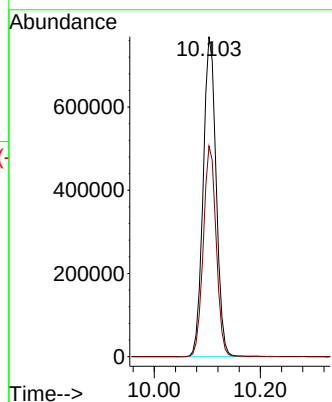
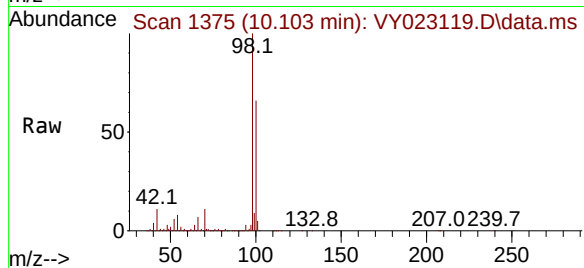
22M-W

Tgt Ion: 98 Resp: 1304177

Ion Ratio Lower Upper

98 100

100 65.3 52.3 78.5



#62

4-Bromofluorobenzene

Concen: 42.610 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. 0.000 min

Lab File: VY023119.D

Acq: 15 Aug 2025 12:18

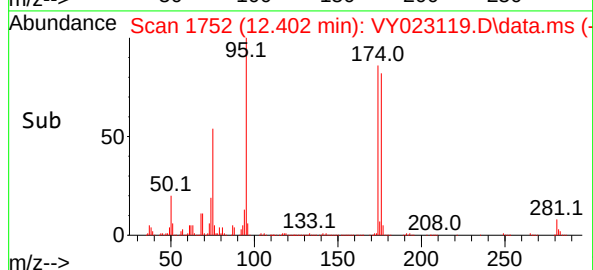
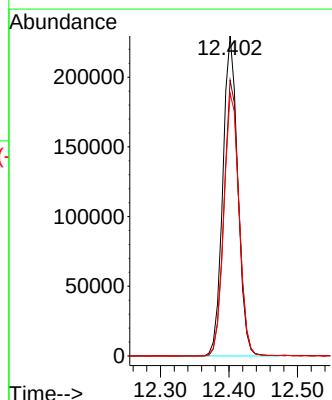
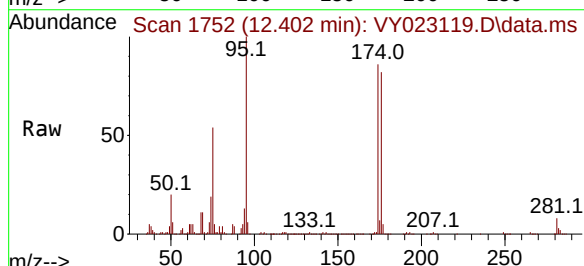
Tgt Ion: 95 Resp: 346717

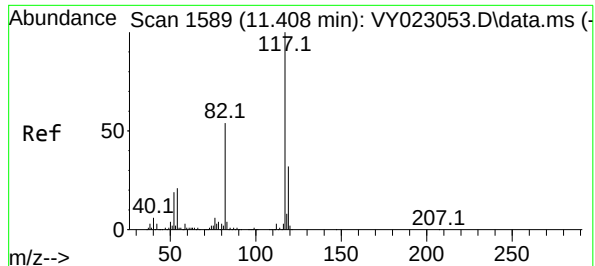
Ion Ratio Lower Upper

95 100

174 85.8 0.0 171.6

176 83.7 0.0 167.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023119.D

Acq: 15 Aug 2025 12:18

Instrument :

MSVOA_Y

ClientSampleId :

22M-W

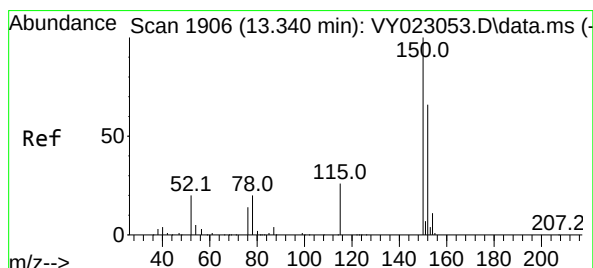
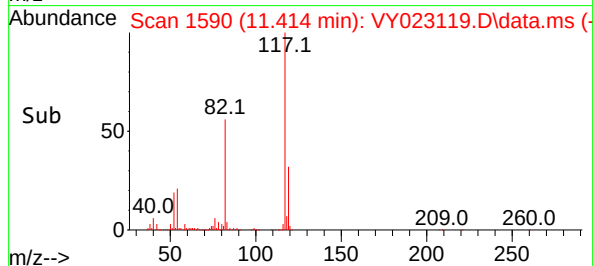
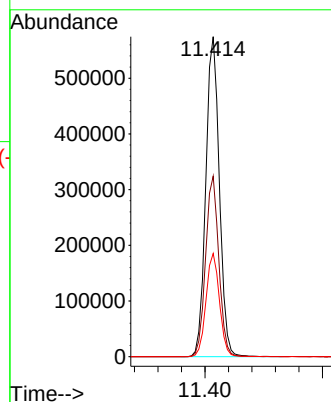
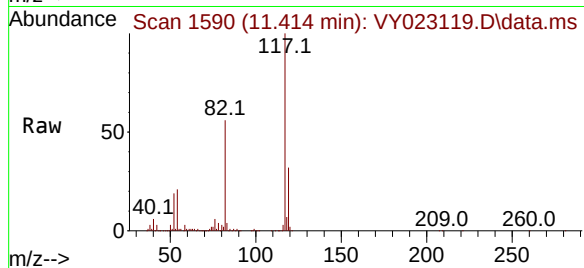
Tgt Ion:117 Resp: 919769

Ion Ratio Lower Upper

117 100

82 56.4 43.4 65.0

119 32.3 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.340 min Scan# 1906

Delta R.T. 0.000 min

Lab File: VY023119.D

Acq: 15 Aug 2025 12:18

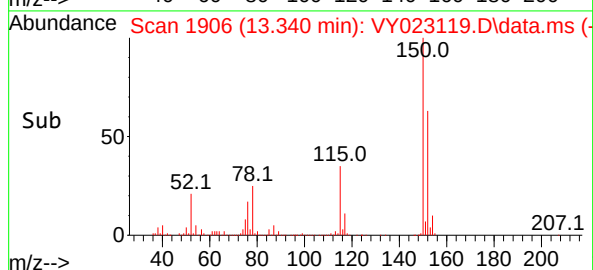
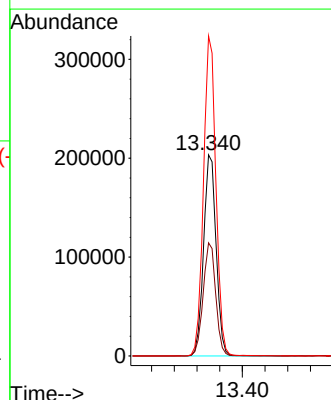
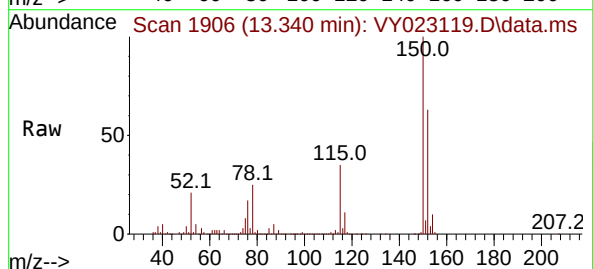
Tgt Ion:152 Resp: 311657

Ion Ratio Lower Upper

152 100

115 56.5 28.2 84.6

150 157.4 0.0 348.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081525\
Data File : VY023119.D
Acq On : 15 Aug 2025 12:18
Operator : SY/MD
Sample : Q2820-22
Misc : 8.08g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
22M-W

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M

Title : SW846 8260

Signal : TIC: VY023119.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.104	382	391	402	rVB	34980	93605	2.73%	0.566%
2	4.610	464	474	492	rBV3	24318	85266	2.49%	0.515%
3	7.634	958	970	976	rBV	487001	1159078	33.83%	7.007%
4	7.707	976	982	994	rVB	730633	1646738	48.07%	9.955%
5	8.061	1030	1040	1052	rBV	416151	929467	27.13%	5.619%
6	8.610	1121	1130	1145	rBV	1237647	2461157	71.84%	14.879%
7	10.103	1365	1375	1394	rBV	2004418	3426038	100.00%	20.712%
8	11.414	1582	1590	1602	rBV	1751445	2816141	82.20%	17.025%
9	12.402	1745	1752	1761	rBV2	1247087	2024131	59.08%	12.237%
10	13.340	1894	1906	1915	rBV	1234717	1900026	55.46%	11.486%

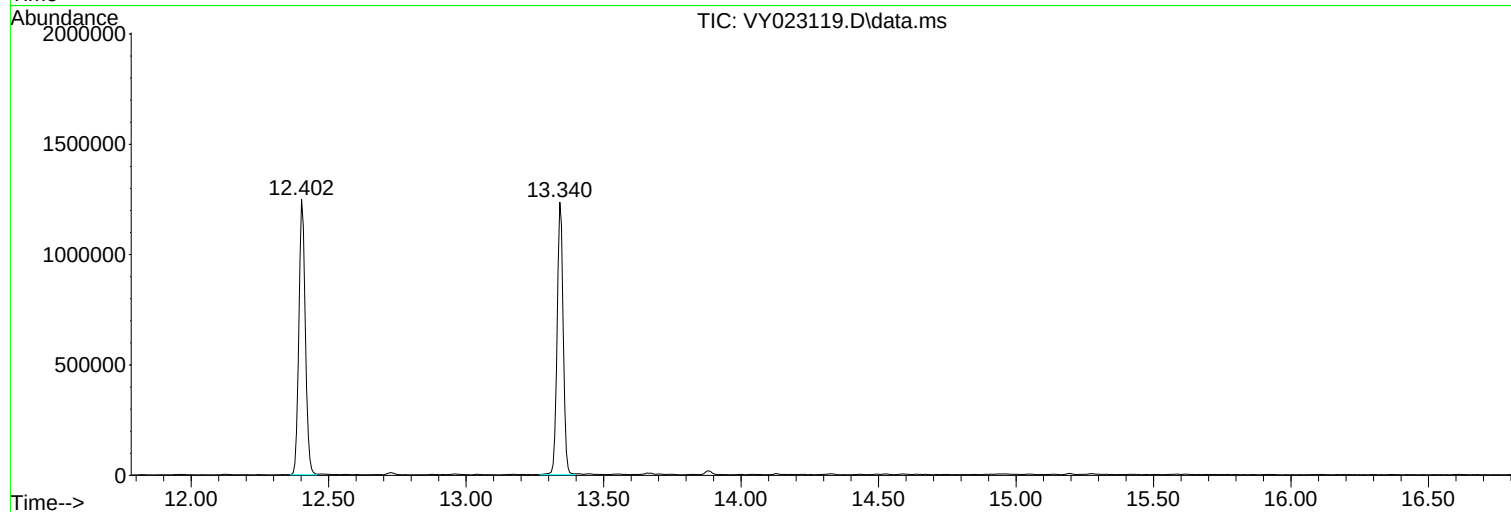
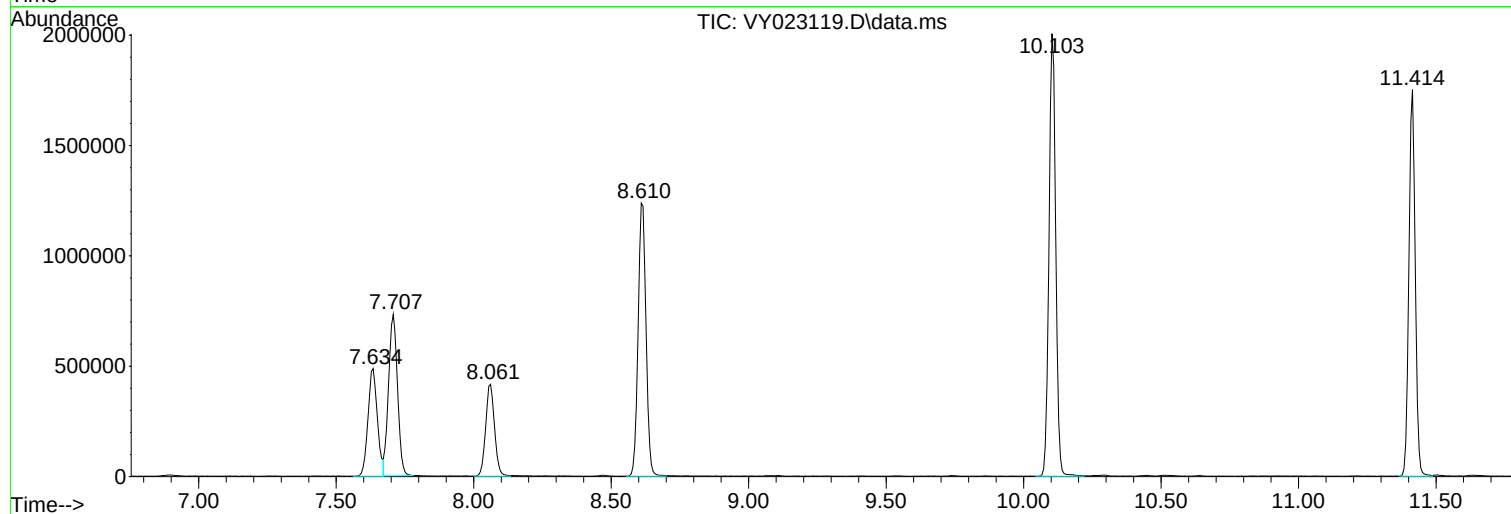
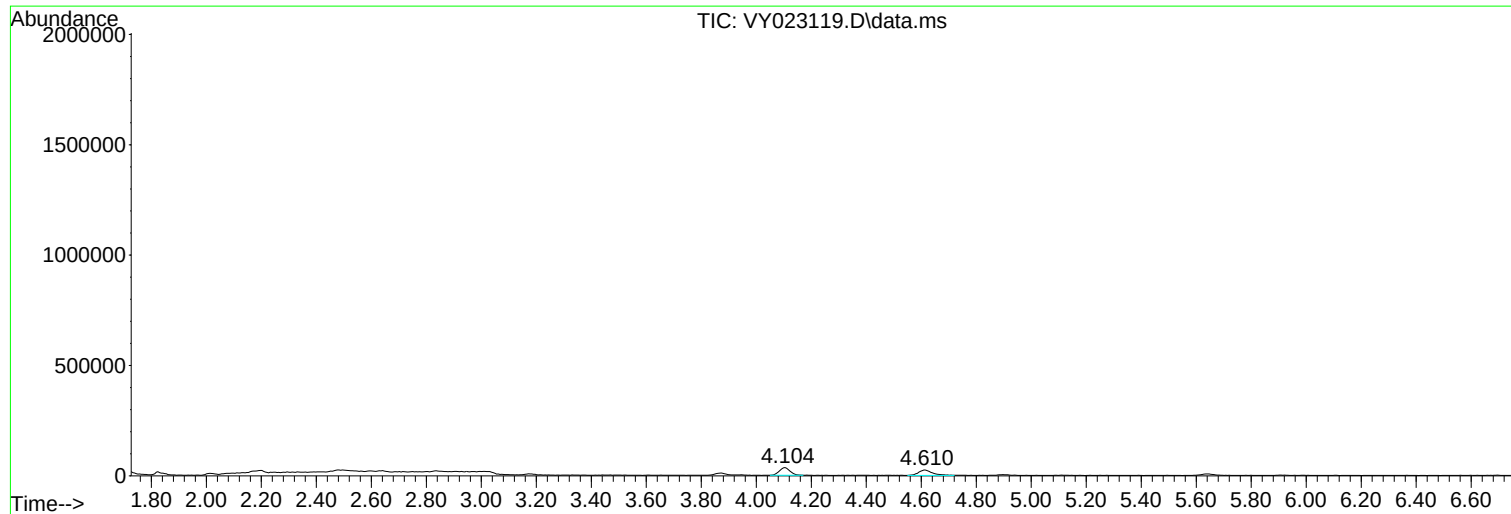
Sum of corrected areas: 16541647

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081525\
Data File : VY023119.D
Acq On : 15 Aug 2025 12:18
Operator : SY/MD
Sample : Q2820-22
Misc : 8.08g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
22M-W

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081525\
Data File : VY023119.D
Acq On : 15 Aug 2025 12:18
Operator : SY/MD
Sample : Q2820-22
Misc : 8.08g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
22M-W

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081525\
Data File : VY023119.D
Acq On : 15 Aug 2025 12:18
Operator : SY/MD
Sample : Q2820-22
Misc : 8.08g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
22M-W

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260

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

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

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	22M-E	SDG No.:	Q2820
Lab Sample ID:	Q2820-23	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	34
Sample Wt/Vol:	4.45 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY023143.D	1	08/19/25 12:07	VY081925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	13.2	U	3.80	13.2	16.5	ug/Kg
74-87-3	Chloromethane	8.30	U	3.80	8.30	16.5	ug/Kg
75-01-4	Vinyl Chloride	8.30	U	2.60	8.30	16.5	ug/Kg
74-83-9	Bromomethane	13.2	U	3.50	13.2	16.5	ug/Kg
75-00-3	Chloroethane	8.30	U	4.20	8.30	16.5	ug/Kg
75-69-4	Trichlorofluoromethane	13.2	U	4.00	13.2	16.5	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	8.30	U	3.50	8.30	16.5	ug/Kg
75-35-4	1,1-Dichloroethene	8.30	U	3.30	8.30	16.5	ug/Kg
67-64-1	Acetone	66.1	U	15.7	66.1	82.6	ug/Kg
75-15-0	Carbon Disulfide	13.2	U	3.50	13.2	16.5	ug/Kg
1634-04-4	Methyl tert-butyl Ether	8.30	U	2.40	8.30	16.5	ug/Kg
79-20-9	Methyl Acetate	13.2	U	5.10	13.2	16.5	ug/Kg
75-09-2	Methylene Chloride	26.4	U	11.7	26.4	33.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	8.30	U	2.80	8.30	16.5	ug/Kg
75-34-3	1,1-Dichloroethane	8.30	U	2.60	8.30	16.5	ug/Kg
110-82-7	Cyclohexane	8.30	U	2.60	8.30	16.5	ug/Kg
78-93-3	2-Butanone	66.1	U	21.6	66.1	82.6	ug/Kg
56-23-5	Carbon Tetrachloride	8.30	U	3.20	8.30	16.5	ug/Kg
156-59-2	cis-1,2-Dichloroethene	8.30	U	2.50	8.30	16.5	ug/Kg
74-97-5	Bromochloromethane	13.2	U	3.80	13.2	16.5	ug/Kg
67-66-3	Chloroform	13.2	U	2.80	13.2	16.5	ug/Kg
71-55-6	1,1,1-Trichloroethane	8.30	U	3.10	8.30	16.5	ug/Kg
108-87-2	Methylcyclohexane	8.30	U	3.00	8.30	16.5	ug/Kg
71-43-2	Benzene	8.30	U	2.60	8.30	16.5	ug/Kg
107-06-2	1,2-Dichloroethane	8.30	U	2.60	8.30	16.5	ug/Kg
79-01-6	Trichloroethene	8.30	U	2.70	8.30	16.5	ug/Kg
78-87-5	1,2-Dichloropropane	8.30	U	3.00	8.30	16.5	ug/Kg
75-27-4	Bromodichloromethane	8.30	U	2.60	8.30	16.5	ug/Kg
108-10-1	4-Methyl-2-Pentanone	41.3	U	11.8	41.3	82.6	ug/Kg
108-88-3	Toluene	8.30	U	2.60	8.30	16.5	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	22M-E	SDG No.:	Q2820
Lab Sample ID:	Q2820-23	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	34
Sample Wt/Vol:	4.45 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY023143.D	1	08/19/25 12:07	VY081925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	8.30	U	2.10	8.30	16.5	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	8.30	U	2.00	8.30	16.5	ug/Kg
79-00-5	1,1,2-Trichloroethane	8.30	U	3.00	8.30	16.5	ug/Kg
591-78-6	2-Hexanone	41.3	U	12.2	41.3	82.6	ug/Kg
124-48-1	Dibromochloromethane	8.30	U	2.90	8.30	16.5	ug/Kg
106-93-4	1,2-Dibromoethane	8.30	U	2.90	8.30	16.5	ug/Kg
127-18-4	Tetrachloroethene	8.30	U	3.50	8.30	16.5	ug/Kg
108-90-7	Chlorobenzene	8.30	U	3.00	8.30	16.5	ug/Kg
100-41-4	Ethyl Benzene	8.30	U	2.20	8.30	16.5	ug/Kg
179601-23-1	m/p-Xylenes	16.5	U	4.10	16.5	33.0	ug/Kg
95-47-6	o-Xylene	8.30	U	2.70	8.30	16.5	ug/Kg
100-42-5	Styrene	8.30	U	2.30	8.30	16.5	ug/Kg
75-25-2	Bromoform	8.30	U	2.80	8.30	16.5	ug/Kg
98-82-8	Isopropylbenzene	8.30	U	2.60	8.30	16.5	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	8.30	U	4.00	8.30	16.5	ug/Kg
541-73-1	1,3-Dichlorobenzene	8.30	U	5.70	8.30	16.5	ug/Kg
106-46-7	1,4-Dichlorobenzene	8.30	U	5.20	8.30	16.5	ug/Kg
95-50-1	1,2-Dichlorobenzene	8.30	U	4.80	8.30	16.5	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	13.2	U	6.10	13.2	16.5	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	13.2	U	9.80	13.2	16.5	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	13.2	U	10.5	13.2	16.5	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	57.1		71 - 136		114%	SPK: 50
1868-53-7	Dibromofluoromethane	52.7		78 - 119		105%	SPK: 50
2037-26-5	Toluene-d8	50.8		85 - 116		102%	SPK: 50
460-00-4	4-Bromofluorobenzene	41.4		79 - 119		83%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	606000	7.707				
540-36-3	1,4-Difluorobenzene	1110000	8.616				
3114-55-4	Chlorobenzene-d5	926000	11.414				
3855-82-1	1,4-Dichlorobenzene-d4	307000	13.347				

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	22M-E	SDG No.:	Q2820
Lab Sample ID:	Q2820-23	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	34
Sample Wt/Vol:	4.45 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY023143.D	1	08/19/25 12:07	VY081925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081925\
Data File : VY023143.D
Acq On : 19 Aug 2025 12:07
Operator : SY/MD
Sample : Q2820-23
Misc : 4.45g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
22M-E

Quant Time: Aug 20 01:27:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	605918	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1109341	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	926207	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	306765	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	329769	57.105	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	114.200%
35) Dibromofluoromethane	7.634	113	350032	52.732	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	105.460%
50) Toluene-d8	10.103	98	1316385	50.764	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	101.520%
62) 4-Bromofluorobenzene	12.402	95	345633	41.445	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	82.880%

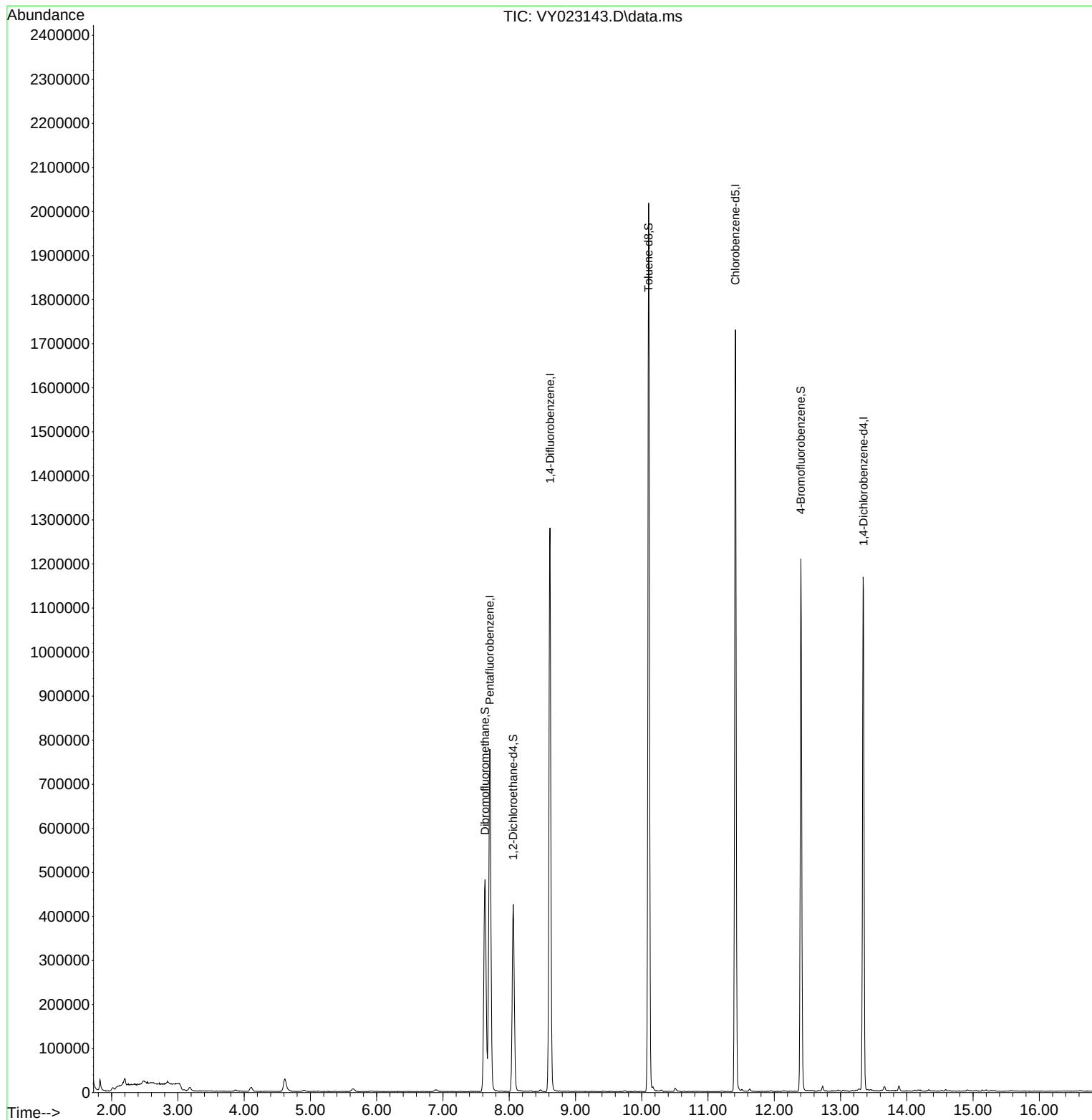
Target Compounds	Qvalue
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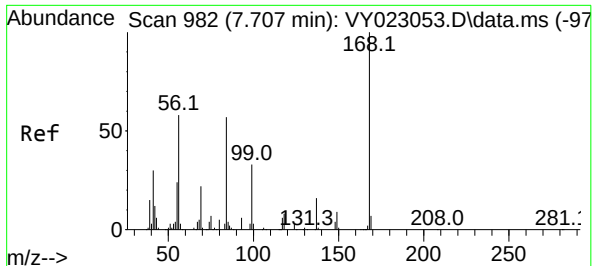
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081925\
Data File : VY023143.D
Acq On : 19 Aug 2025 12:07
Operator : SY/MD
Sample : Q2820-23
Misc : 4.45g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
22M-E

Quant Time: Aug 20 01:27:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

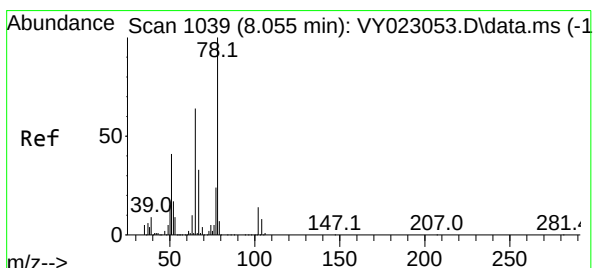
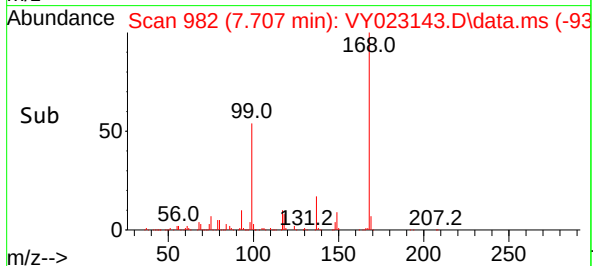
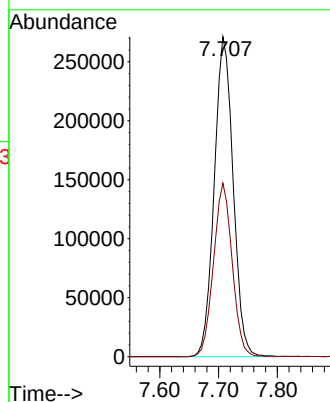
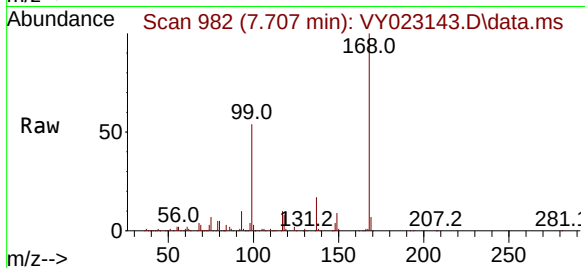




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023143.D
Acq: 19 Aug 2025 12:07

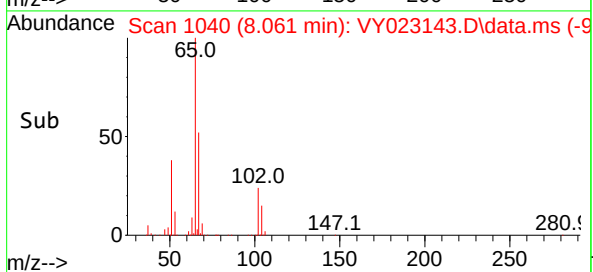
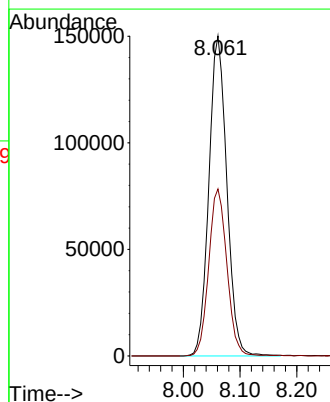
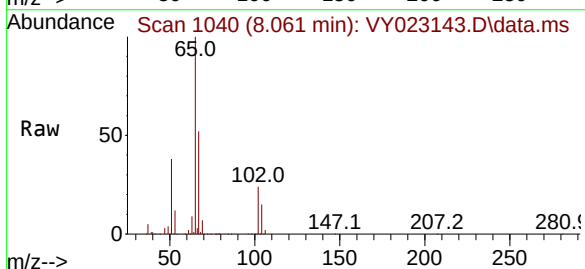
Instrument :
MSVOA_Y
ClientSampleId :
22M-E

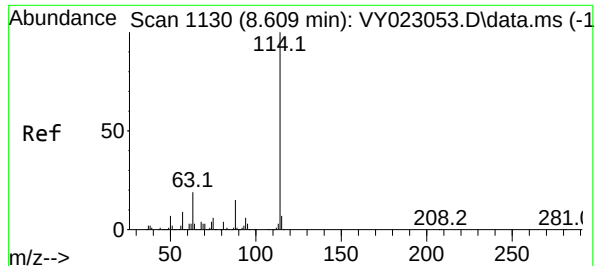
Tgt Ion:168 Resp: 605918
Ion Ratio Lower Upper
168 100
99 54.2 42.8 64.2



#33
1,2-Dichloroethane-d4
Concen: 57.105 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VY023143.D
Acq: 19 Aug 2025 12:07

Tgt Ion: 65 Resp: 329769
Ion Ratio Lower Upper
65 100
67 52.9 0.0 106.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1130

Delta R.T. 0.006 min

Lab File: VY023143.D

Acq: 19 Aug 2025 12:07

Instrument :

MSVOA_Y

ClientSampleId :

22M-E

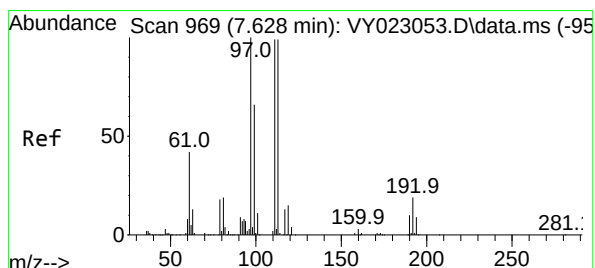
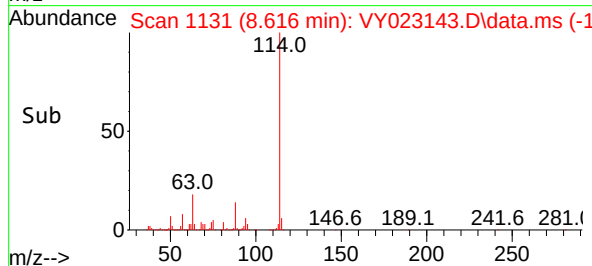
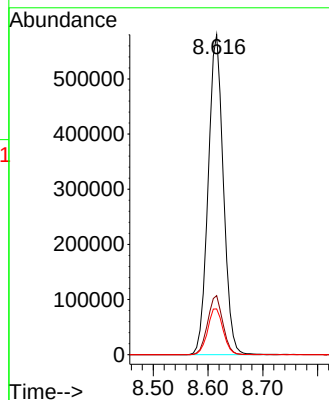
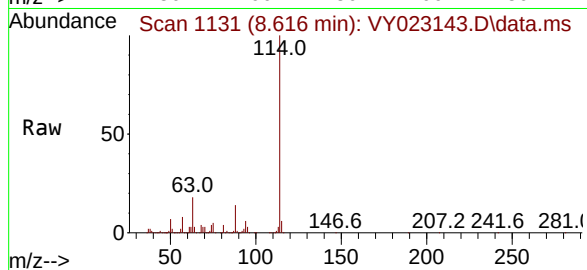
Tgt Ion:114 Resp: 1109341

Ion Ratio Lower Upper

114 100

63 18.5 0.0 38.4

88 14.3 0.0 30.0



#35

Dibromofluoromethane

Concen: 52.732 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.006 min

Lab File: VY023143.D

Acq: 19 Aug 2025 12:07

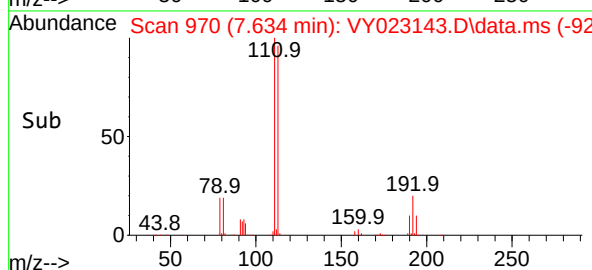
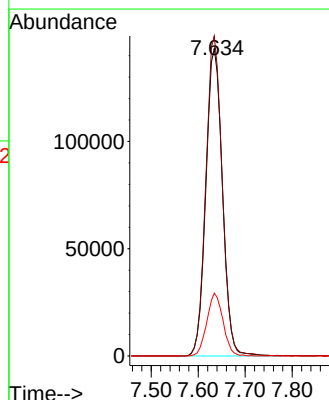
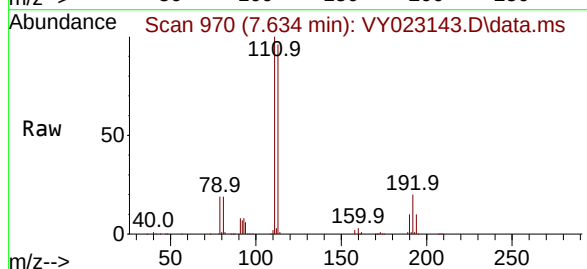
Tgt Ion:113 Resp: 350032

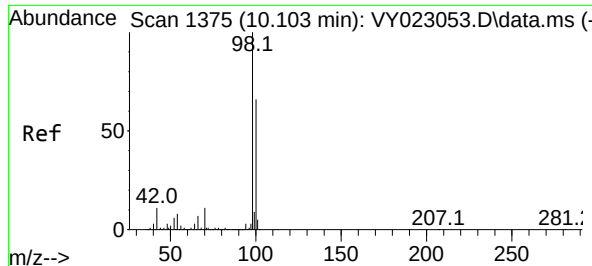
Ion Ratio Lower Upper

113 100

111 102.7 81.1 121.7

192 20.0 16.2 24.4





#50

Toluene-d8

Concen: 50.764 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. 0.000 min

Lab File: VY023143.D

Acq: 19 Aug 2025 12:07

Instrument :

MSVOA_Y

ClientSampleId :

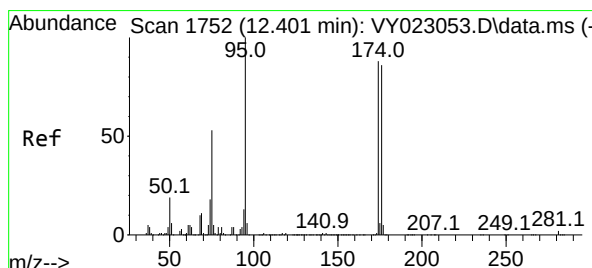
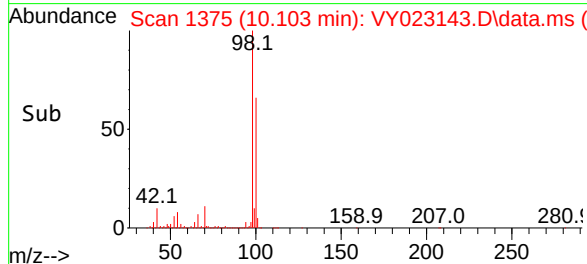
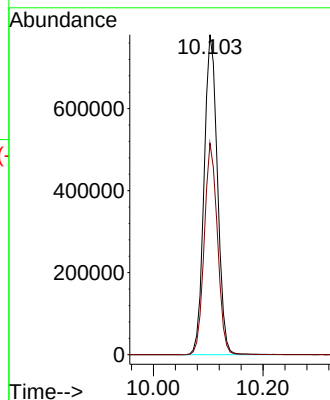
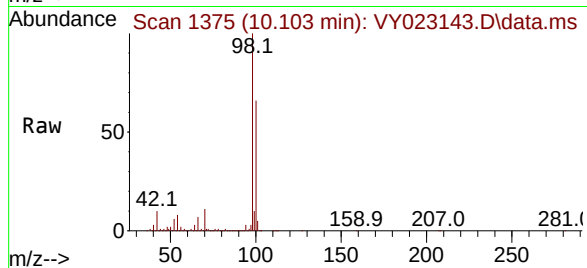
22M-E

Tgt Ion: 98 Resp: 1316385

Ion Ratio Lower Upper

98 100

100 65.2 52.3 78.5



#62

4-Bromofluorobenzene

Concen: 41.445 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. 0.000 min

Lab File: VY023143.D

Acq: 19 Aug 2025 12:07

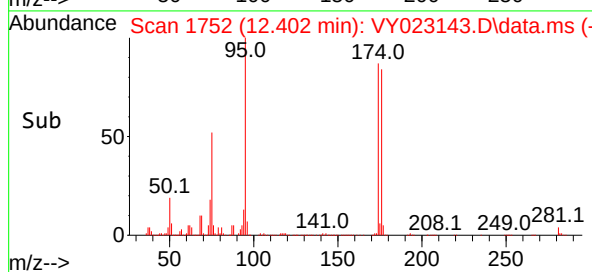
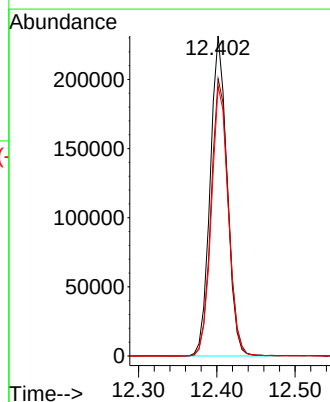
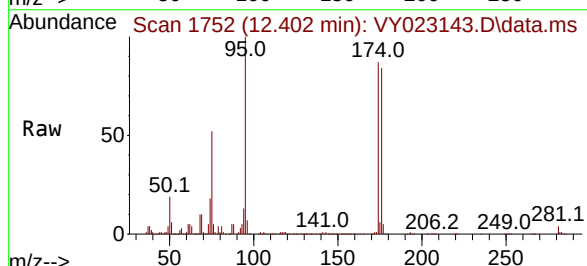
Tgt Ion: 95 Resp: 345633

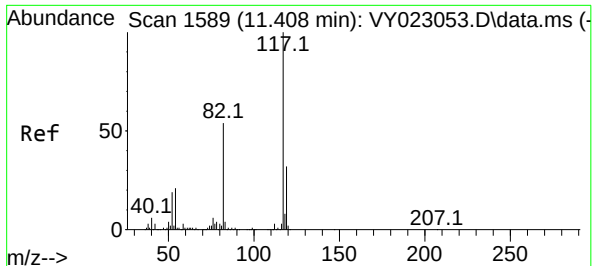
Ion Ratio Lower Upper

95 100

174 88.9 0.0 171.6

176 84.5 0.0 167.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023143.D

Acq: 19 Aug 2025 12:07

Instrument :

MSVOA_Y

ClientSampleId :

22M-E

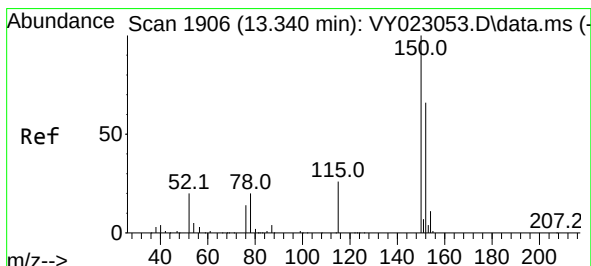
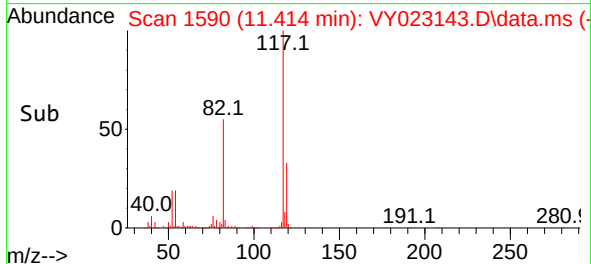
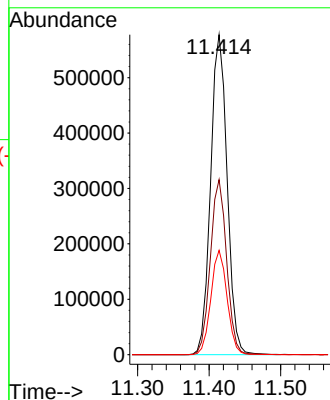
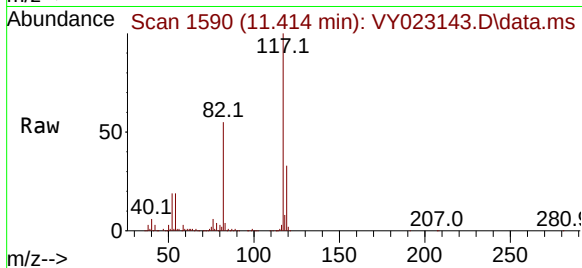
Tgt Ion:117 Resp: 926207

Ion Ratio Lower Upper

117 100

82 54.7 43.4 65.0

119 32.6 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.006 min

Lab File: VY023143.D

Acq: 19 Aug 2025 12:07

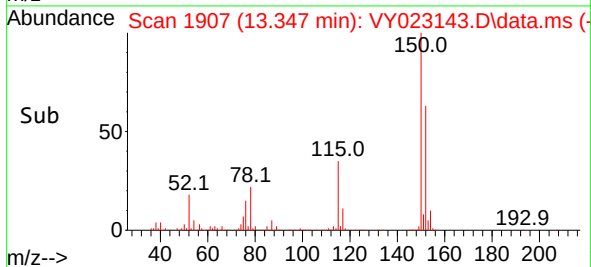
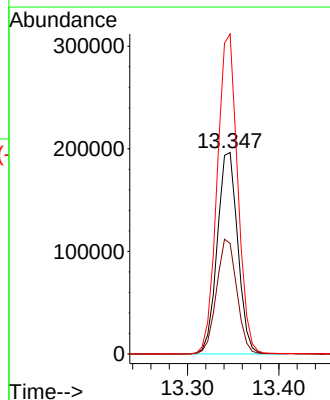
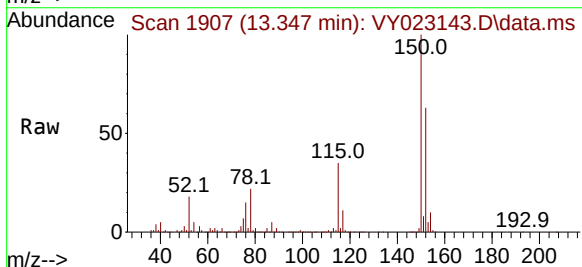
Tgt Ion:152 Resp: 306765

Ion Ratio Lower Upper

152 100

115 56.8 28.2 84.6

150 158.6 0.0 348.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081925\
Data File : VY023143.D
Acq On : 19 Aug 2025 12:07
Operator : SY/MD
Sample : Q2820-23
Misc : 4.45g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
22M-E

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M

Title : SW846 8260

Signal : TIC: VY023143.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.824	12	17	31	rVB3	25811	46533	1.37%	0.283%
2	4.616	464	475	495	rBV2	28440	97166	2.86%	0.592%
3	7.634	959	970	976	rBV	481299	1171948	34.50%	7.140%
4	7.707	976	982	997	rVB	776263	1744618	51.36%	10.629%
5	8.061	1029	1040	1051	rBV	425000	942767	27.75%	5.744%
6	8.616	1119	1131	1144	rBV	1279875	2485266	73.17%	15.141%
7	10.103	1367	1375	1383	rBV	2017048	3396789	100.00%	20.694%
8	11.414	1582	1590	1602	rBV	1729278	2782413	81.91%	16.951%
9	12.402	1743	1752	1765	rBV	1208431	1918708	56.49%	11.689%
10	13.340	1899	1906	1915	rVB	1164158	1828063	53.82%	11.137%

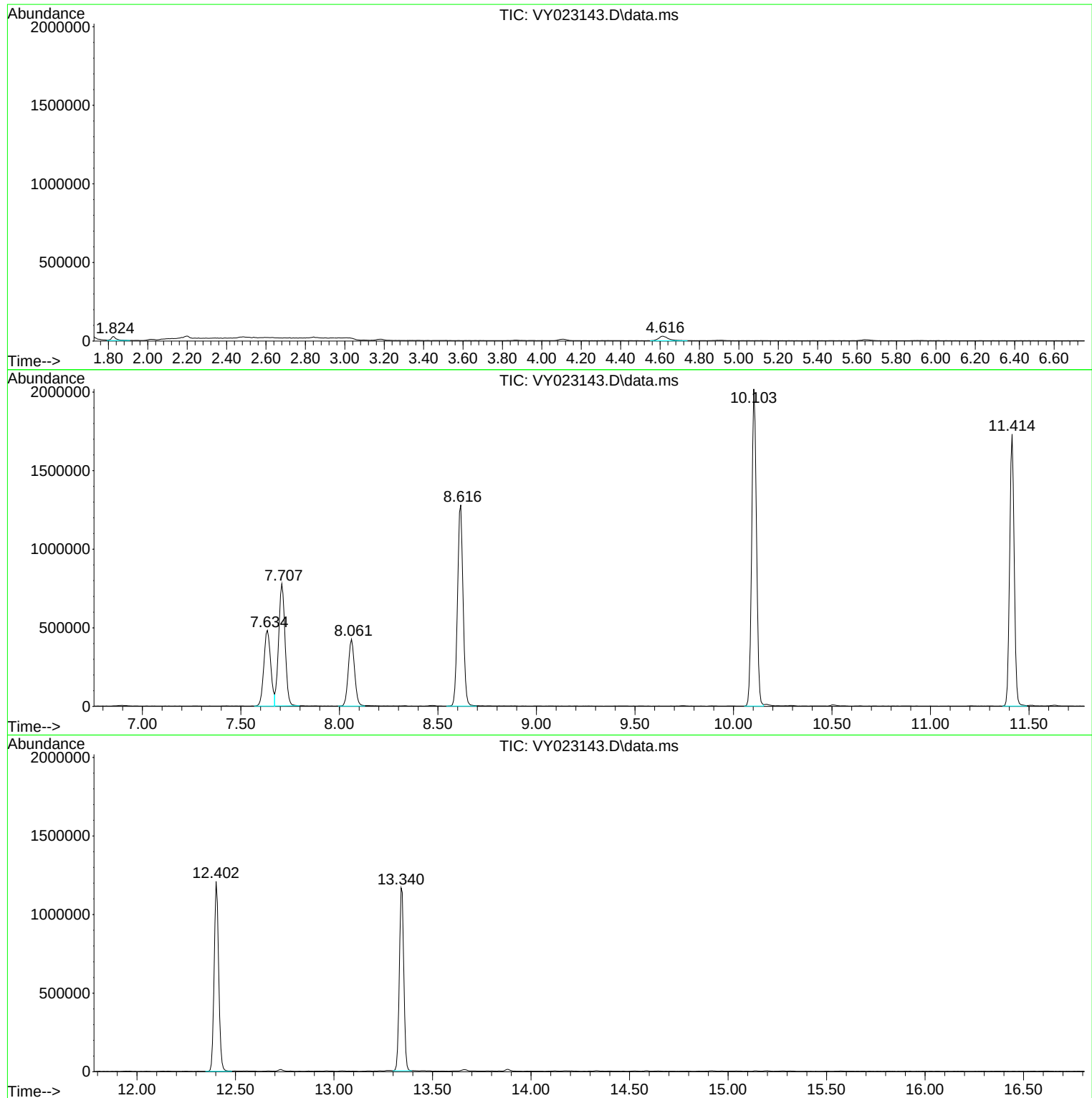
Sum of corrected areas: 16414271

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081925\
Data File : VY023143.D
Acq On : 19 Aug 2025 12:07
Operator : SY/MD
Sample : Q2820-23
Misc : 4.45g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
22M-E

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081925\
Data File : VY023143.D
Acq On : 19 Aug 2025 12:07
Operator : SY/MD
Sample : Q2820-23
Misc : 4.45g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
22M-E

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081925\
Data File : VY023143.D
Acq On : 19 Aug 2025 12:07
Operator : SY/MD
Sample : Q2820-23
Misc : 4.45g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
22M-E

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260

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

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

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	22M-S	SDG No.:	Q2820
Lab Sample ID:	Q2820-24	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	89
Sample Wt/Vol:	5.99 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY023122.D	1	08/15/25 13:28	VY081525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	3.80	U	1.10	3.80	4.70	ug/Kg
74-87-3	Chloromethane	2.30	U	1.10	2.30	4.70	ug/Kg
75-01-4	Vinyl Chloride	2.30	U	0.74	2.30	4.70	ug/Kg
74-83-9	Bromomethane	3.80	U	1.00	3.80	4.70	ug/Kg
75-00-3	Chloroethane	2.30	U	1.20	2.30	4.70	ug/Kg
75-69-4	Trichlorofluoromethane	3.80	U	1.10	3.80	4.70	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	2.30	U	0.99	2.30	4.70	ug/Kg
75-35-4	1,1-Dichloroethene	2.30	U	0.94	2.30	4.70	ug/Kg
67-64-1	Acetone	8.00	J	4.40	18.8	23.4	ug/Kg
75-15-0	Carbon Disulfide	2.60	J	0.99	3.80	4.70	ug/Kg
1634-04-4	Methyl tert-butyl Ether	2.30	U	0.68	2.30	4.70	ug/Kg
79-20-9	Methyl Acetate	3.80	U	1.40	3.80	4.70	ug/Kg
75-09-2	Methylene Chloride	7.50	U	3.30	7.50	9.40	ug/Kg
156-60-5	trans-1,2-Dichloroethene	2.30	U	0.81	2.30	4.70	ug/Kg
75-34-3	1,1-Dichloroethane	2.30	U	0.75	2.30	4.70	ug/Kg
110-82-7	Cyclohexane	2.30	U	0.74	2.30	4.70	ug/Kg
78-93-3	2-Butanone	18.8	U	6.10	18.8	23.4	ug/Kg
56-23-5	Carbon Tetrachloride	2.30	U	0.91	2.30	4.70	ug/Kg
156-59-2	cis-1,2-Dichloroethene	2.30	U	0.70	2.30	4.70	ug/Kg
74-97-5	Bromochloromethane	3.80	U	1.10	3.80	4.70	ug/Kg
67-66-3	Chloroform	3.80	U	0.79	3.80	4.70	ug/Kg
71-55-6	1,1,1-Trichloroethane	2.30	U	0.87	2.30	4.70	ug/Kg
108-87-2	Methylcyclohexane	2.30	U	0.85	2.30	4.70	ug/Kg
71-43-2	Benzene	2.30	U	0.74	2.30	4.70	ug/Kg
107-06-2	1,2-Dichloroethane	2.30	U	0.74	2.30	4.70	ug/Kg
79-01-6	Trichloroethene	2.30	U	0.76	2.30	4.70	ug/Kg
78-87-5	1,2-Dichloropropane	2.30	U	0.85	2.30	4.70	ug/Kg
75-27-4	Bromodichloromethane	2.30	U	0.73	2.30	4.70	ug/Kg
108-10-1	4-Methyl-2-Pentanone	11.7	U	3.40	11.7	23.4	ug/Kg
108-88-3	Toluene	2.30	U	0.73	2.30	4.70	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	22M-S	SDG No.:	Q2820
Lab Sample ID:	Q2820-24	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	89
Sample Wt/Vol:	5.99 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY023122.D	1	08/15/25 13:28	VY081525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	2.30	U	0.61	2.30	4.70	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	2.30	U	0.58	2.30	4.70	ug/Kg
79-00-5	1,1,2-Trichloroethane	2.30	U	0.86	2.30	4.70	ug/Kg
591-78-6	2-Hexanone	11.7	U	3.50	11.7	23.4	ug/Kg
124-48-1	Dibromochloromethane	2.30	U	0.82	2.30	4.70	ug/Kg
106-93-4	1,2-Dibromoethane	2.30	U	0.83	2.30	4.70	ug/Kg
127-18-4	Tetrachloroethene	2.30	U	0.98	2.30	4.70	ug/Kg
108-90-7	Chlorobenzene	2.30	U	0.85	2.30	4.70	ug/Kg
100-41-4	Ethyl Benzene	2.30	U	0.63	2.30	4.70	ug/Kg
179601-23-1	m/p-Xylenes	4.70	U	1.20	4.70	9.40	ug/Kg
95-47-6	o-Xylene	2.30	U	0.77	2.30	4.70	ug/Kg
100-42-5	Styrene	2.30	U	0.67	2.30	4.70	ug/Kg
75-25-2	Bromoform	2.30	U	0.81	2.30	4.70	ug/Kg
98-82-8	Isopropylbenzene	2.30	U	0.73	2.30	4.70	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	2.30	U	1.10	2.30	4.70	ug/Kg
541-73-1	1,3-Dichlorobenzene	2.30	U	1.60	2.30	4.70	ug/Kg
106-46-7	1,4-Dichlorobenzene	2.30	U	1.50	2.30	4.70	ug/Kg
95-50-1	1,2-Dichlorobenzene	2.30	U	1.40	2.30	4.70	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.80	U	1.70	3.80	4.70	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.80	U	2.80	3.80	4.70	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.80	U	3.00	3.80	4.70	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	55.7		71 - 136		111%	SPK: 50
1868-53-7	Dibromofluoromethane	51.4		78 - 119		103%	SPK: 50
2037-26-5	Toluene-d8	51.0		85 - 116		102%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.3		79 - 119		97%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	540000	7.707				
540-36-3	1,4-Difluorobenzene	1020000	8.609				
3114-55-4	Chlorobenzene-d5	889000	11.414				
3855-82-1	1,4-Dichlorobenzene-d4	377000	13.34				
TENTATIVE IDENTIFIED COMPOUNDS							

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	22M-S	SDG No.:	Q2820
Lab Sample ID:	Q2820-24	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	89
Sample Wt/Vol:	5.99 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY023122.D	1	08/15/25 13:28	VY081525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
000091-17-8	Naphthalene, decahydro-	91.7	J			13.7	ug/Kg
002958-76-1	Naphthalene, decahydro-2-methyl-	150	J			14.2	ug/Kg
002958-75-0	1-Methyldecahydronaphthalene	91.3	J			14.3	ug/Kg
000112-40-3	Dodecane	64.1	J			14.5	ug/Kg
017301-23-4	Undecane, 2,6-dimethyl-	250	J			14.6	ug/Kg
002051-30-1	Octane, 2,6-dimethyl-	310	J			15.1	ug/Kg
000629-50-5	Tridecane	100	J			15.3	ug/Kg
	unknown15.505	150	J			15.5	ug/Kg
003891-98-3	Dodecane, 2,6,10-trimethyl-	100	J			16.0	ug/Kg
080655-44-3	Decahydro-1,1,4a,5,6-pentamethylna	120	J			16.6	ug/Kg

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081525\
Data File : VY023122.D
Acq On : 15 Aug 2025 13:28
Operator : SY/MD
Sample : Q2820-24
Misc : 5.99g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
22M-S

Quant Time: Aug 18 02:29:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

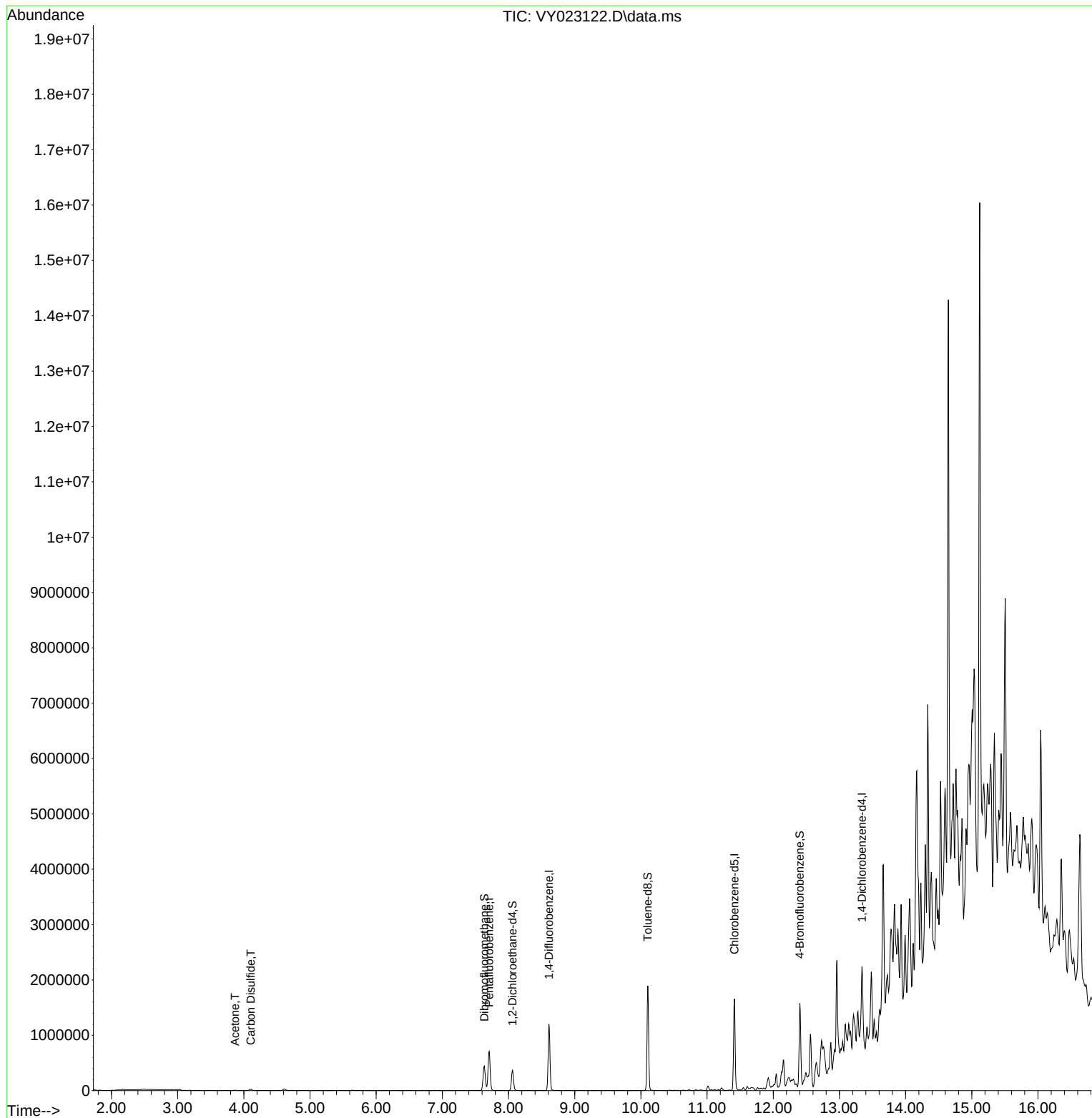
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	540065	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	1019542	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	888710	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	376737	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	286859	55.731	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 111.460%	
35) Dibromofluoromethane	7.634	113	313774	51.433	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.860%	
50) Toluene-d8	10.103	98	1216617	51.048	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 102.100%	
62) 4-Bromofluorobenzene	12.401	95	370266	48.309	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 96.620%	
Target Compounds						Qvalue
16) Acetone	3.866	43	9484	8.505	ug/l #	87
17) Carbon Disulfide	4.104	76	46150	2.720	ug/l #	95

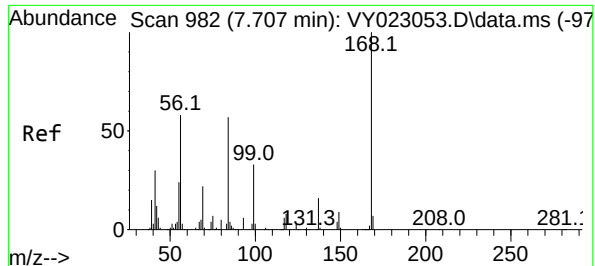
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081525\
Data File : VY023122.D
Acq On : 15 Aug 2025 13:28
Operator : SY/MD
Sample : Q2820-24
Misc : 5.99g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
22M-S

Quant Time: Aug 18 02:29:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

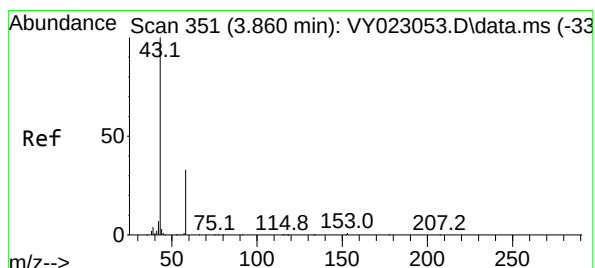
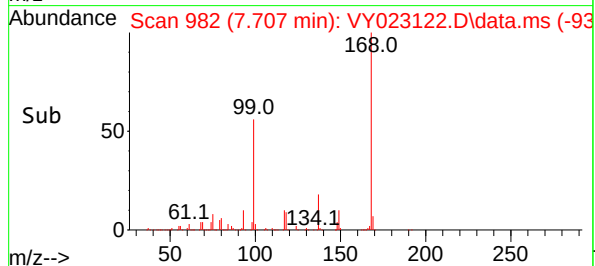
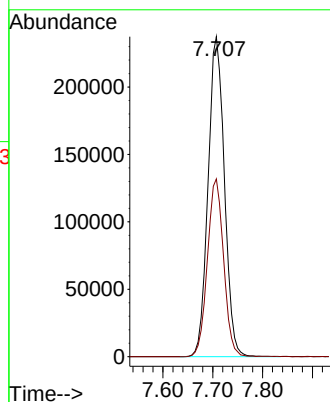
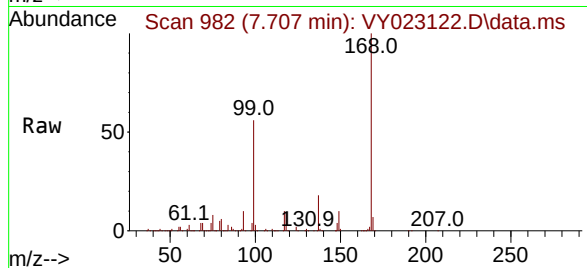




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023122.D
Acq: 15 Aug 2025 13:28

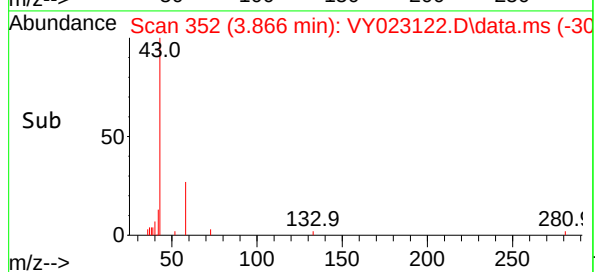
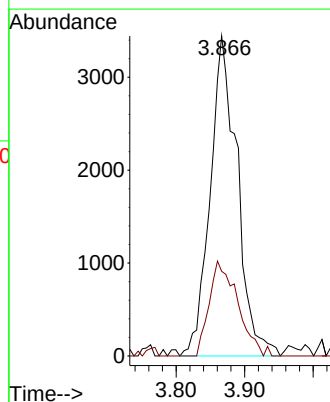
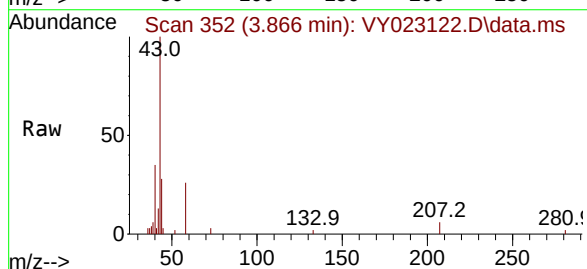
Instrument :
MSVOA_Y
ClientSampleId :
22M-S

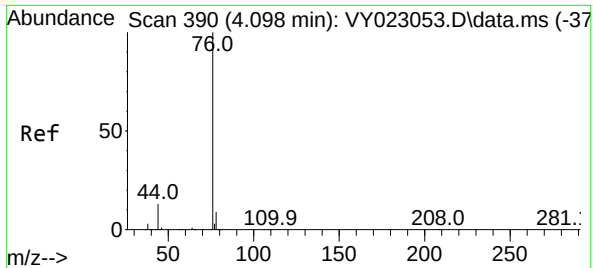
Tgt Ion:168 Resp: 540065
Ion Ratio Lower Upper
168 100
99 55.6 42.8 64.2



#16
Acetone
Concen: 8.505 ug/l
RT: 3.866 min Scan# 352
Delta R.T. 0.006 min
Lab File: VY023122.D
Acq: 15 Aug 2025 13:28

Tgt Ion: 43 Resp: 9484
Ion Ratio Lower Upper
43 100
58 26.5 27.1 40.7#

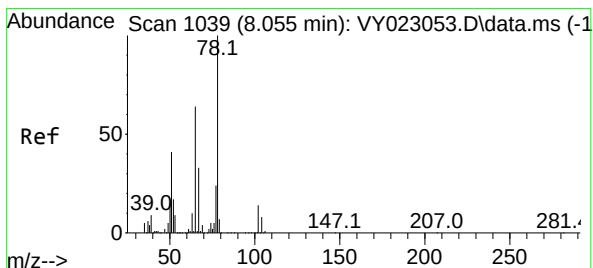
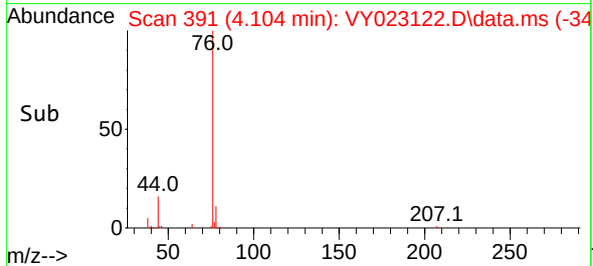
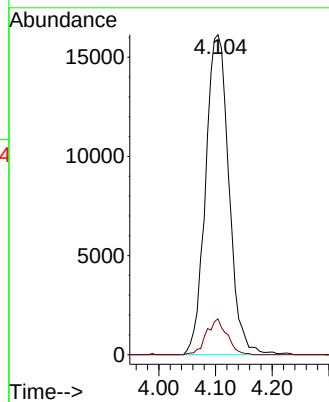
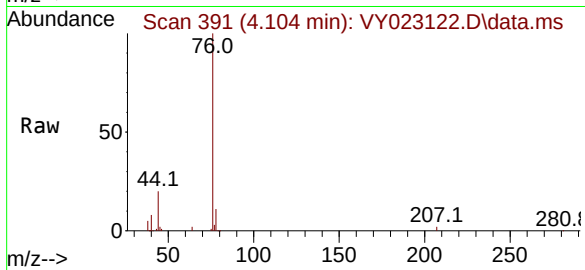




#17
Carbon Disulfide
Concen: 2.720 ug/l
RT: 4.104 min Scan# 391
Delta R.T. 0.006 min
Lab File: VY023122.D
Acq: 15 Aug 2025 13:28

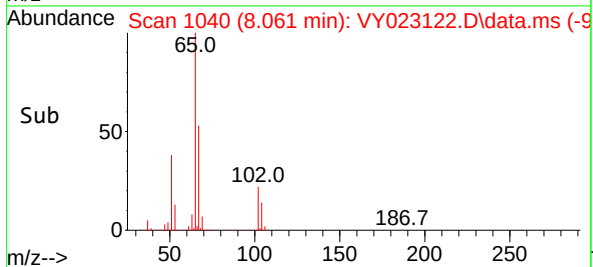
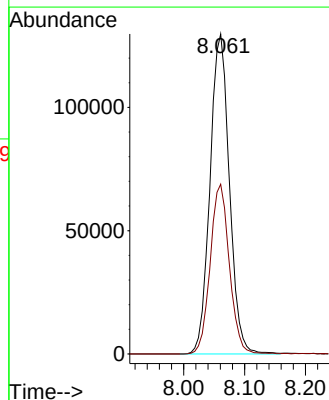
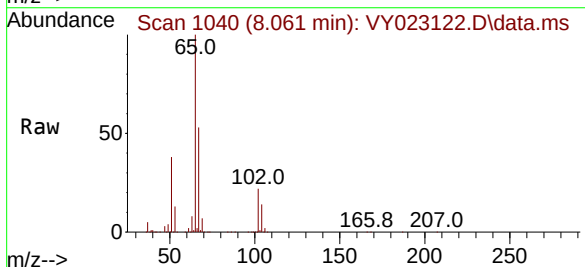
Instrument :
MSVOA_Y
ClientSampleId :
22M-S

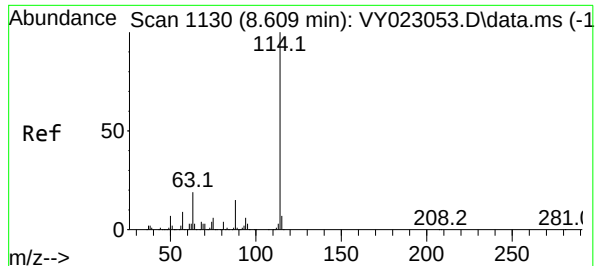
Tgt Ion: 76 Resp: 46150
Ion Ratio Lower Upper
76 100
78 11.2 7.4 11.2#



#33
1,2-Dichloroethane-d4
Concen: 55.731 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VY023122.D
Acq: 15 Aug 2025 13:28

Tgt Ion: 65 Resp: 286859
Ion Ratio Lower Upper
65 100
67 52.4 0.0 106.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.609 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VY023122.D

Acq: 15 Aug 2025 13:28

Instrument :

MSVOA_Y

ClientSampleId :

22M-S

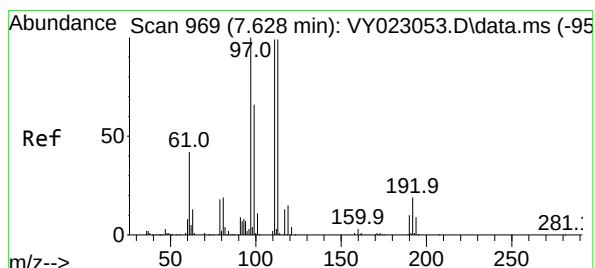
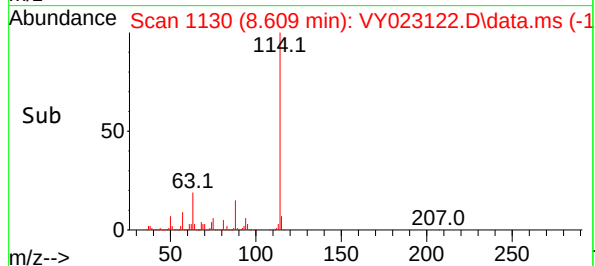
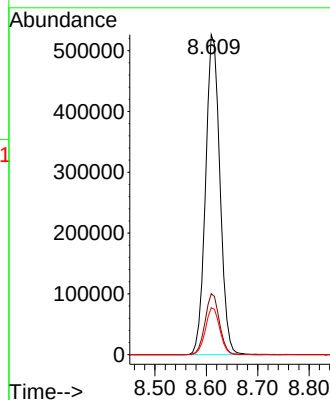
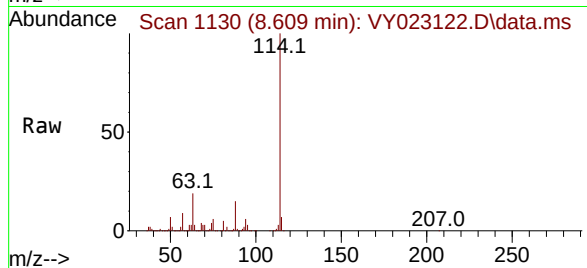
Tgt Ion:114 Resp: 1019542

Ion Ratio Lower Upper

114 100

63 19.1 0.0 38.4

88 14.6 0.0 30.0



#35

Dibromofluoromethane

Concen: 51.433 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.006 min

Lab File: VY023122.D

Acq: 15 Aug 2025 13:28

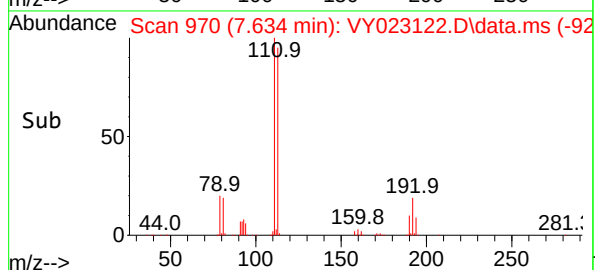
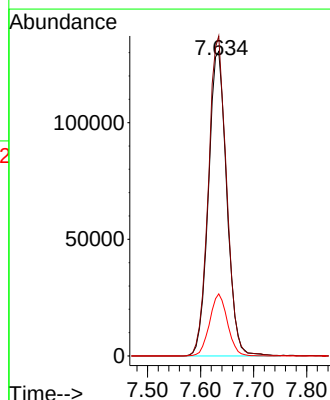
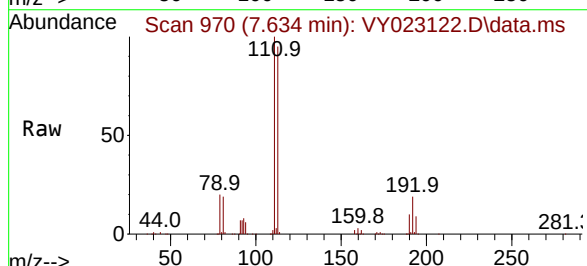
Tgt Ion:113 Resp: 313774

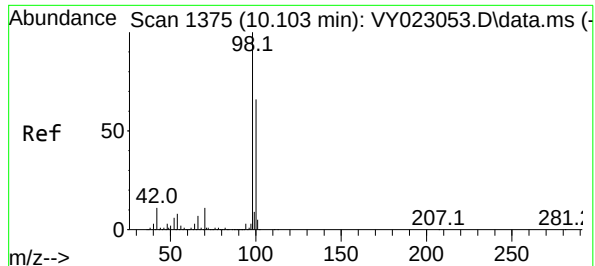
Ion Ratio Lower Upper

113 100

111 103.9 81.1 121.7

192 19.9 16.2 24.4





#50

Toluene-d8

Concen: 51.048 ug/l

RT: 10.103 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY023122.D

Acq: 15 Aug 2025 13:28

Instrument :

MSVOA_Y

ClientSampleId :

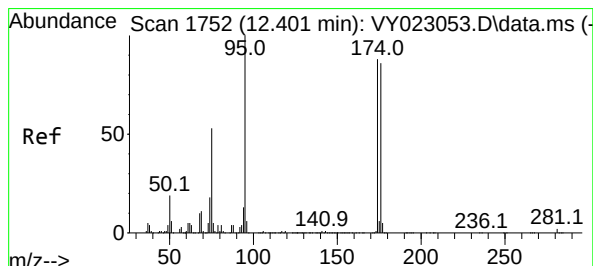
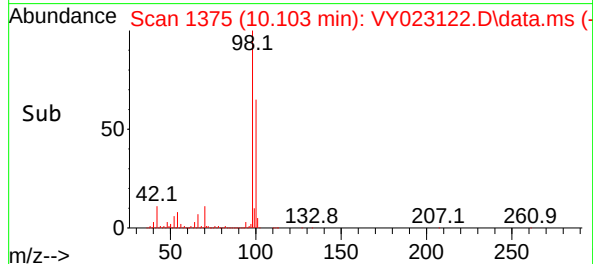
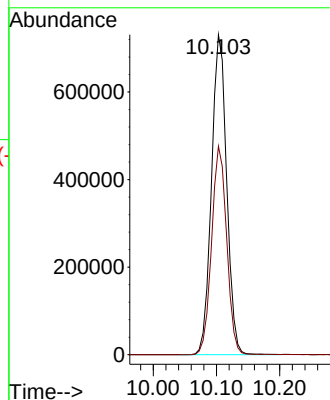
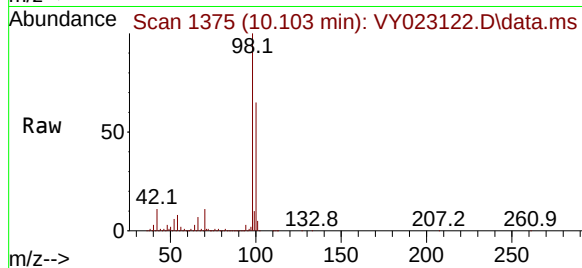
22M-S

Tgt Ion: 98 Resp: 1216617

Ion Ratio Lower Upper

98 100

100 64.8 52.3 78.5



#62

4-Bromofluorobenzene

Concen: 48.309 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. 0.000 min

Lab File: VY023122.D

Acq: 15 Aug 2025 13:28

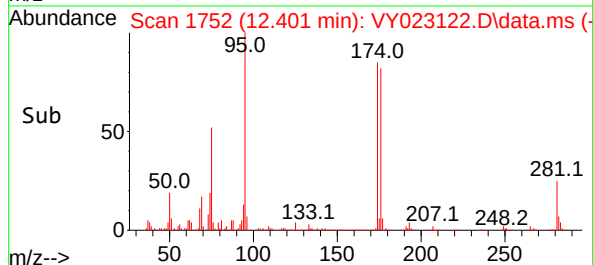
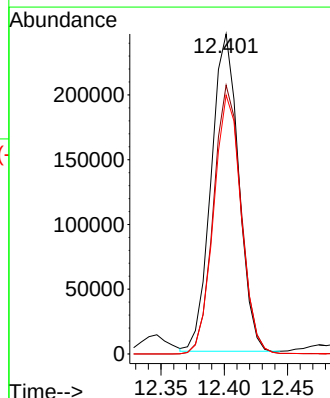
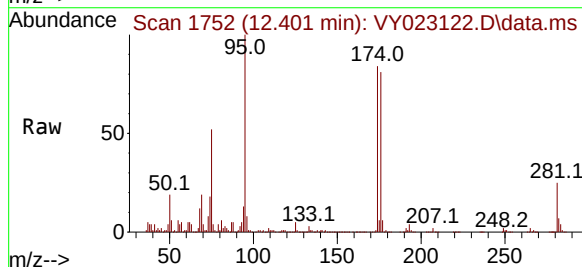
Tgt Ion: 95 Resp: 370266

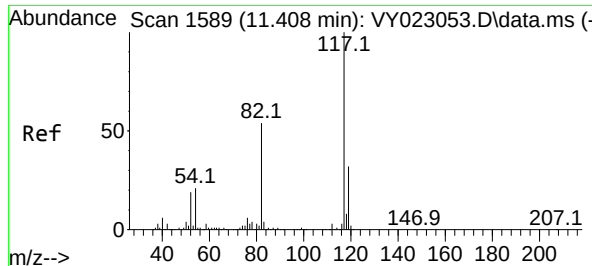
Ion Ratio Lower Upper

95 100

174 85.0 0.0 171.6

176 82.0 0.0 167.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023122.D

Acq: 15 Aug 2025 13:28

Instrument :

MSVOA_Y

ClientSampleId :

22M-S

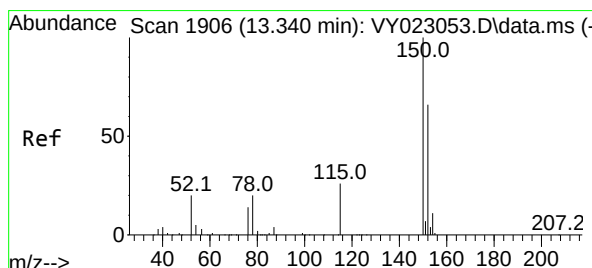
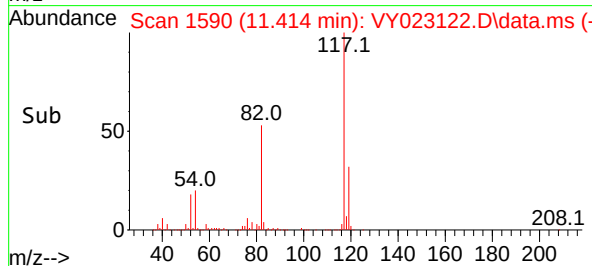
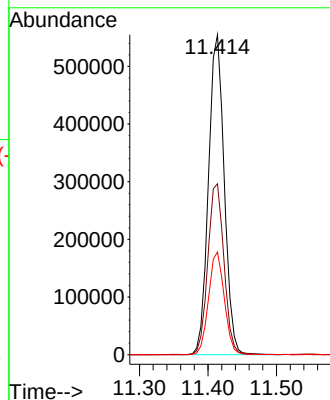
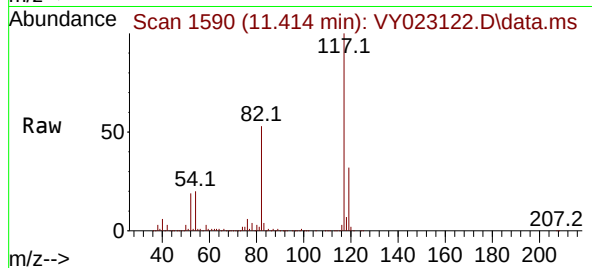
Tgt Ion:117 Resp: 888710

Ion Ratio Lower Upper

117 100

82 53.3 43.4 65.0

119 32.1 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.340 min Scan# 1906

Delta R.T. 0.000 min

Lab File: VY023122.D

Acq: 15 Aug 2025 13:28

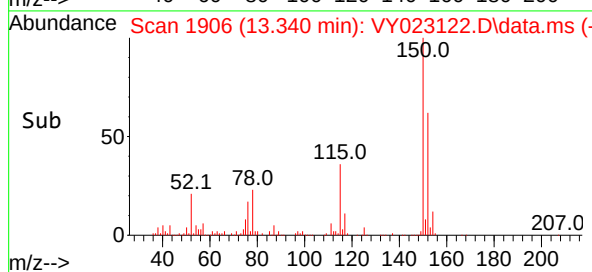
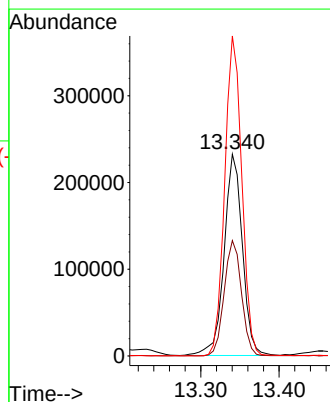
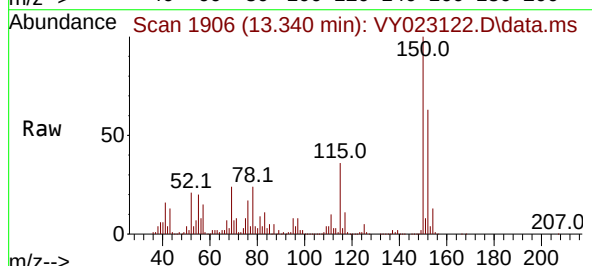
Tgt Ion:152 Resp: 376737

Ion Ratio Lower Upper

152 100

115 54.1 28.2 84.6

150 148.6 0.0 348.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081525\
Data File : VY023122.D
Acq On : 15 Aug 2025 13:28
Operator : SY/MD
Sample : Q2820-24
Misc : 5.99g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
22M-S

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M

Title : SW846 8260

Signal : TIC: VY023122.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	7.634	957	970	976	rBV	441610	1068568	5.82%	0.696%
2	7.707	976	982	997	rVB	701730	1574686	8.57%	1.026%
3	8.061	1030	1040	1060	rBV	365524	815430	4.44%	0.531%
4	8.609	1121	1130	1144	rBV	1202283	2330051	12.68%	1.518%
5	10.103	1367	1375	1389	rBV	1893309	3177241	17.29%	2.070%
6	11.414	1582	1590	1602	rBV	1650646	2736612	14.89%	1.783%
7	11.926	1666	1674	1680	rBV4	206914	508872	2.77%	0.332%
8	12.048	1690	1694	1698	rVB	241575	342474	1.86%	0.223%
9	12.127	1698	1707	1708	rBV4	286203	459293	2.50%	0.299%
10	12.152	1708	1711	1716	rVB	469143	754292	4.11%	0.491%
11	12.237	1716	1725	1729	rBV6	150801	468782	2.55%	0.305%
12	12.401	1746	1752	1758	rBV2	1510733	2636752	14.35%	1.718%
13	12.493	1758	1767	1771	rBV6	213613	564444	3.07%	0.368%
14	12.560	1774	1778	1785	rVB2	950641	1694378	9.22%	1.104%
15	12.651	1785	1793	1799	rBV6	435548	1302025	7.09%	0.848%
16	12.731	1799	1806	1809	rBV4	646795	1484350	8.08%	0.967%
17	12.871	1820	1829	1832	rBV4	556043	969661	5.28%	0.632%
18	12.926	1832	1838	1839	rBV4	356874	571266	3.11%	0.372%
19	12.962	1839	1844	1851	rVB	1705066	2866014	15.60%	1.867%
20	13.090	1861	1865	1870	rBV4	479003	952195	5.18%	0.620%
21	13.139	1870	1873	1876	rVV2	299311	397103	2.16%	0.259%
22	13.212	1881	1885	1892	rBV6	607148	1450031	7.89%	0.945%
23	13.279	1892	1896	1900	rVV5	606411	1070931	5.83%	0.698%
24	13.340	1902	1906	1914	rVB2	1486442	2745107	14.94%	1.788%
25	13.413	1914	1918	1922	rBV2	389964	717227	3.90%	0.467%
26	13.481	1925	1929	1933	rVB4	1217620	1889789	10.29%	1.231%
27	13.523	1933	1936	1939	rBV5	345856	399195	2.17%	0.260%
28	13.609	1945	1950	1952	rBV5	564477	1040562	5.66%	0.678%
29	13.663	1953	1959	1964	rVV4	2695189	5370199	29.23%	3.499%
30	13.779	1974	1978	1983	rBV6	946295	2143648	11.67%	1.397%
31	13.834	1983	1987	1992	rVV3	1072425	1888232	10.28%	1.230%
32	13.932	2000	2003	2008	rVB	1708029	2135499	11.62%	1.391%
33	13.993	2009	2013	2017	rBV4	1101857	1592729	8.67%	1.038%
34	14.060	2018	2024	2029	rBV6	1613742	3368538	18.33%	2.195%
35	14.115	2030	2033	2036	rBV3	773090	1064253	5.79%	0.693%
36	14.169	2036	2042	2049	rBV5	3592988	8763413	47.70%	5.709%

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081525\
Data File : VY023122.D
Acq On : 15 Aug 2025 13:28
Operator : SY/MD
Sample : Q2820-24
Misc : 5.99g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
22M-S

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Title : SW846 8260

37	14.230	2049	2052	2056	rVB4	1438308	1778468	9.68%	1.159%
38	14.297	2059	2063	2066	rBV3	1860132	2638563	14.36%	1.719%
39	14.334	2066	2069	2073	rVB3	4046552	5346627	29.10%	3.483%
40	14.462	2086	2090	2093	rBV2	1272513	1922508	10.46%	1.252%
41	14.529	2097	2101	2105	rBV2	2592911	3753963	20.43%	2.446%
42	14.596	2108	2112	2116	rVV4	1800085	3287159	17.89%	2.142%
43	14.645	2116	2120	2126	rVV	10220204	14891485	81.05%	9.702%
44	14.761	2136	2139	2142	rBV	1607206	2317191	12.61%	1.510%
45	14.913	2161	2164	2166	rBV3	1176199	1622220	8.83%	1.057%
46	14.956	2167	2171	2174	rVV6	1363830	2930067	15.95%	1.909%
47	15.121	2193	2198	2204	rBV	11928806	18373598	100.00%	11.970%
48	15.340	2230	2234	2241	rBV4	2780610	5861006	31.90%	3.818%
49	15.505	2256	2261	2266	rVB2	4950157	8687666	47.28%	5.660%
50	16.041	2345	2349	2356	rVB	3481361	5857617	31.88%	3.816%
51	16.352	2396	2400	2405	rVB2	1465201	2406980	13.10%	1.568%
52	16.474	2416	2420	2428	rBV8	672210	1632369	8.88%	1.063%
53	16.632	2440	2446	2459	rVB3	2747286	6874697	37.42%	4.479%

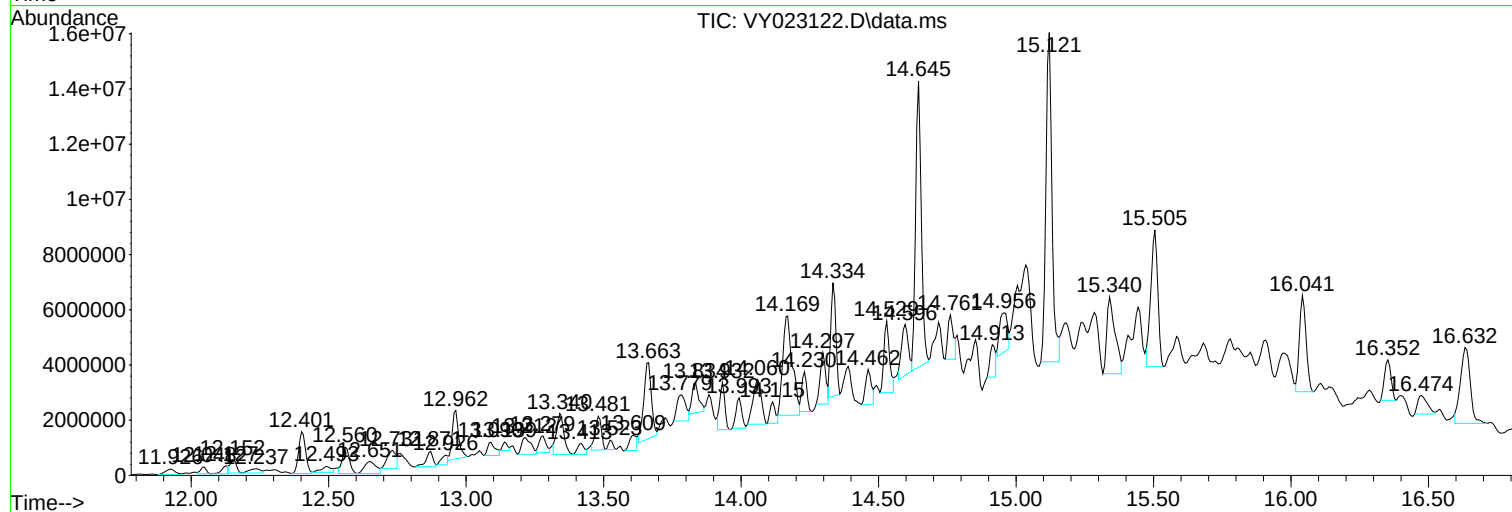
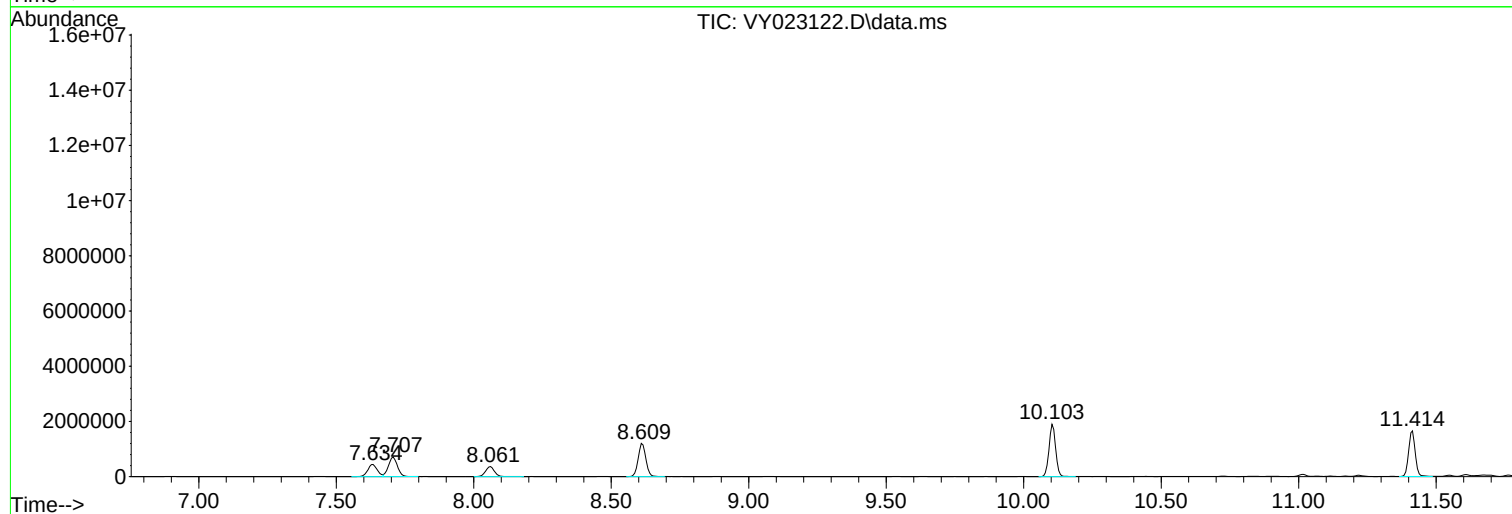
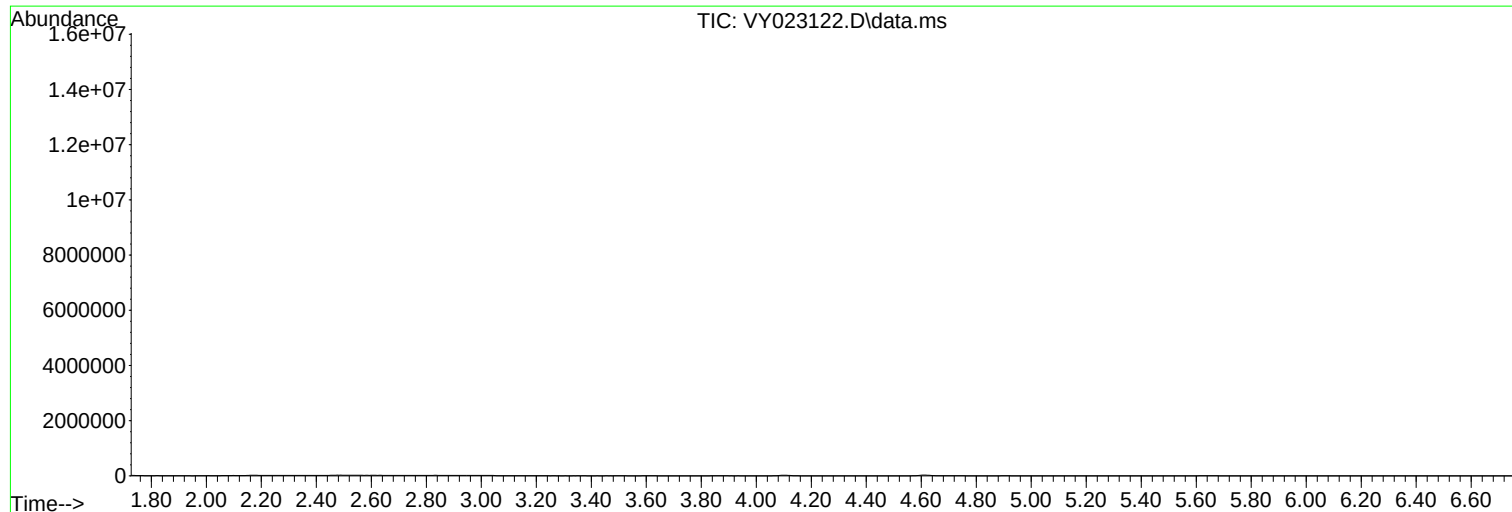
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Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081525\
Data File : VY023122.D
Acq On : 15 Aug 2025 13:28
Operator : SY/MD
Sample : Q2820-24
Misc : 5.99g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
22M-S

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081525\
Data File : VY023122.D
Acq On : 15 Aug 2025 13:28
Operator : SY/MD
Sample : Q2820-24
Misc : 5.99g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
22M-S

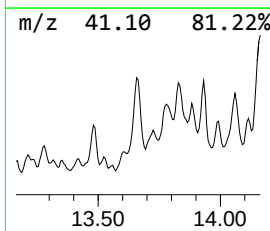
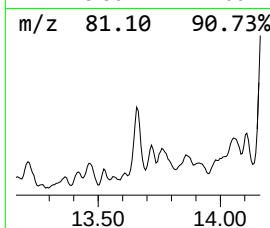
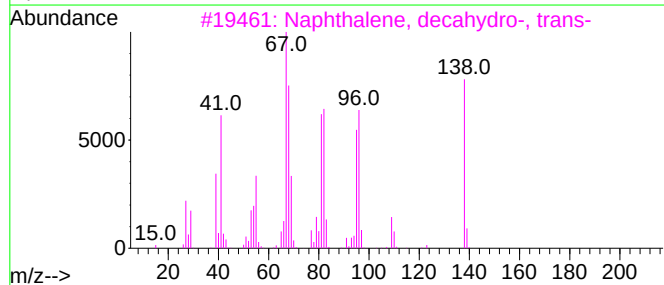
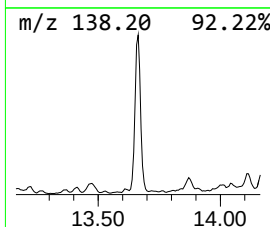
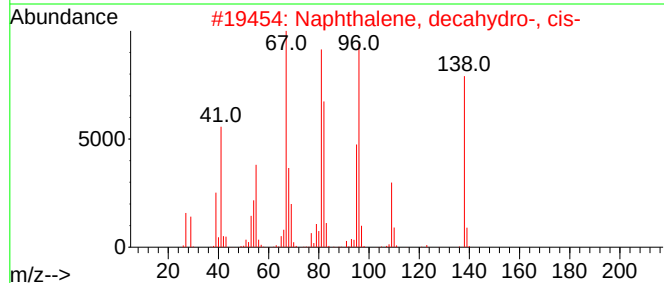
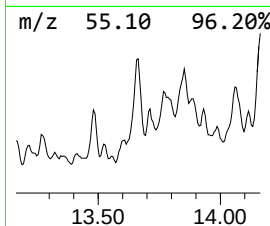
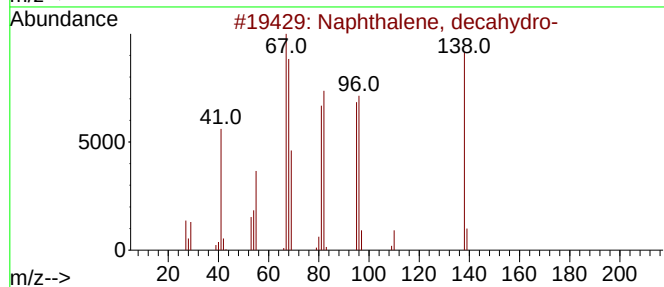
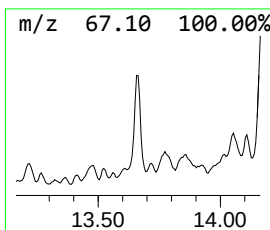
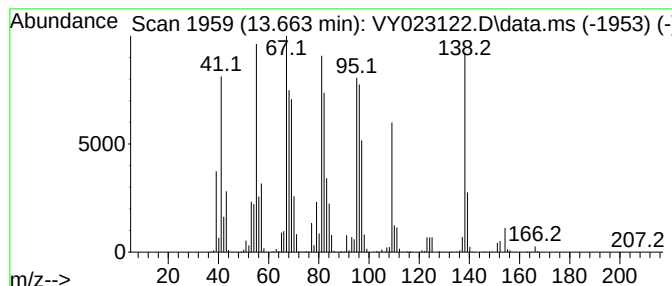
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260

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

Peak Number 1 Naphthalene, decahydro- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.664	97.81 ug/l	5370200	1,4-Dichlorobenzene-d4	13.340

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, decahydro-	138	C10H18	000091-17-8	93
2			Naphthalene, decahydro-, cis-	138	C10H18	000493-01-6	76
3			Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	76
4			Spiro[4.5]decane	138	C10H18	000176-63-6	70
5			Cyclohexane, 1-methyl-4-(1-methy...	138	C10H18	001124-25-0	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081525\
Data File : VY023122.D
Acq On : 15 Aug 2025 13:28
Operator : SY/MD
Sample : Q2820-24
Misc : 5.99g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
22M-S

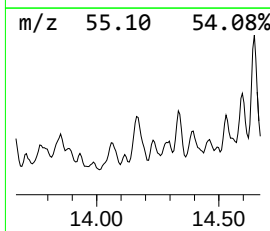
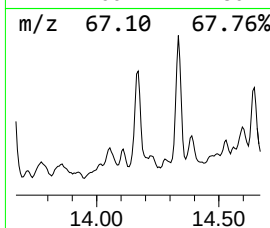
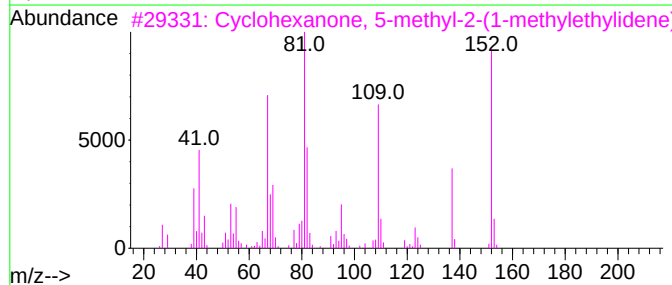
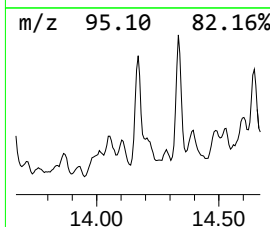
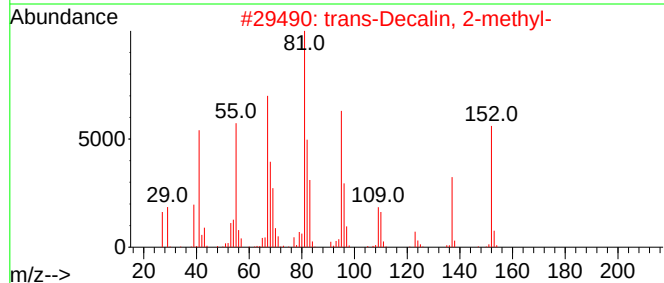
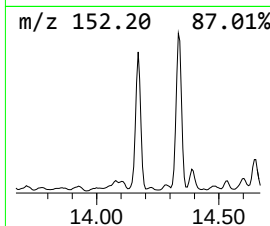
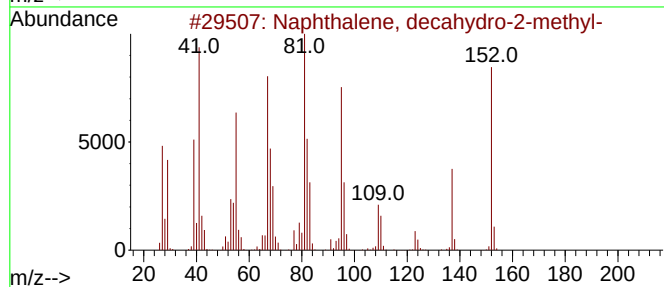
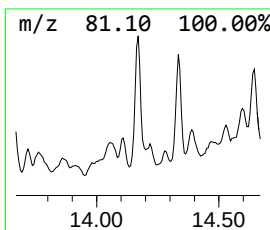
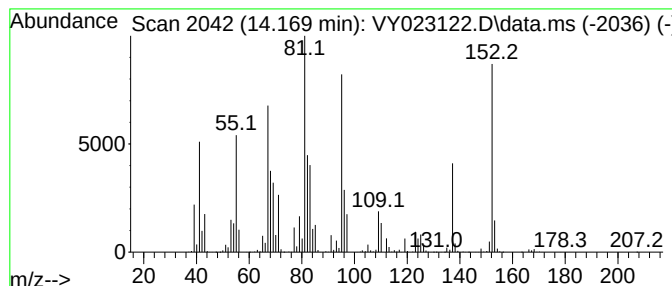
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260

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

Peak Number 2 Naphthalene, decahydro-2-me... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.169	159.62 ug/l	8763410	1,4-Dichlorobenzene-d4	13.340

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	96
2			trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	94
3			Cyclohexanone, 5-methyl-2-(1-met...	152	C10H16O	015932-80-6	86
4			Pulegone	152	C10H16O	000089-82-7	70
5			Bicyclo[2.2.1]heptan-2-one, 1,7,...	152	C10H16O	000464-48-2	68



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081525\
Data File : VY023122.D
Acq On : 15 Aug 2025 13:28
Operator : SY/MD
Sample : Q2820-24
Misc : 5.99g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
22M-S

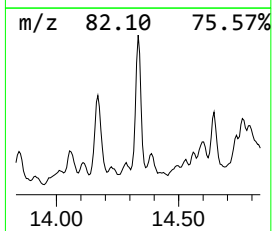
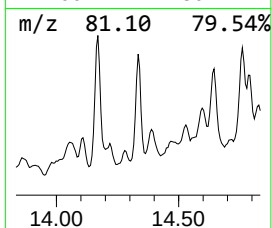
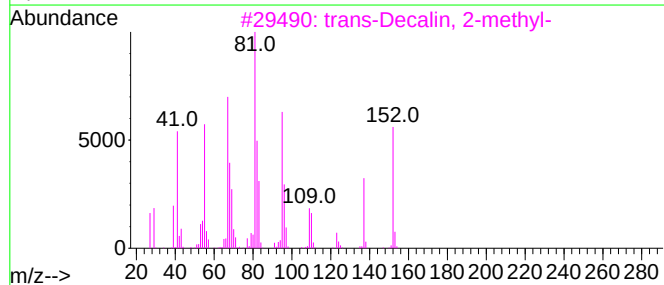
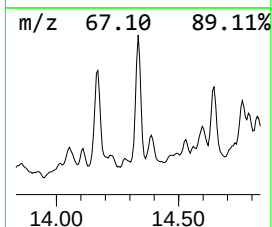
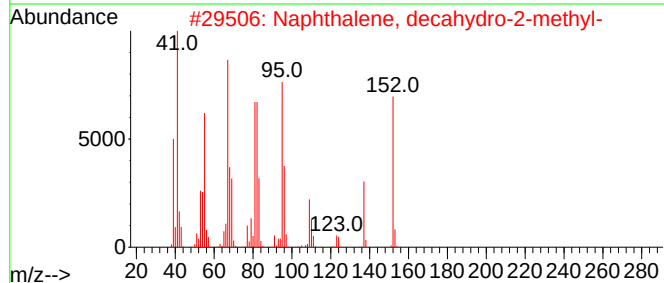
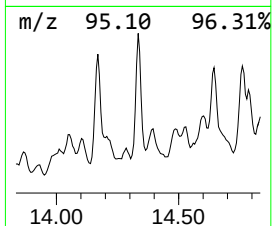
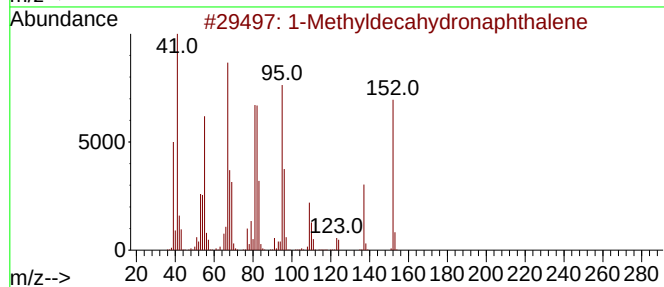
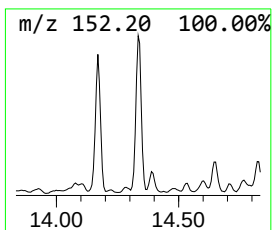
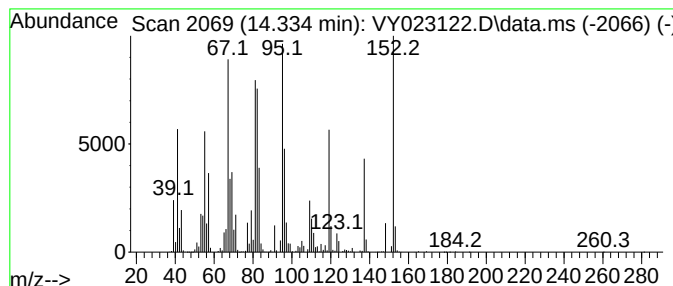
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260

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

Peak Number 3 1-Methyldecahydronaphthalene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.334	97.38 ug/l	5346630	1,4-Dichlorobenzene-d4	13.340

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Methyldecahydronaphthalene	152	C11H20	002958-75-0	96
2			Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	96
3			trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	93
4			Bicyclo[2.2.1]heptane, 1,3,3-tri...	138	C10H18	006248-88-0	60
5			8-Dodecen-1-ol, (Z)-	184	C12H24O	040642-40-8	60



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081525\
Data File : VY023122.D
Acq On : 15 Aug 2025 13:28
Operator : SY/MD
Sample : Q2820-24
Misc : 5.99g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
22M-S

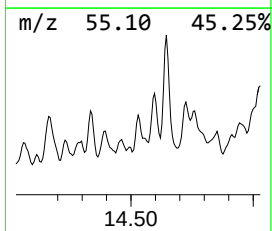
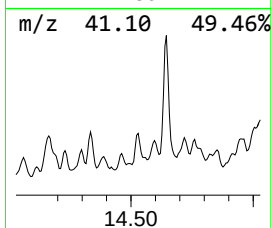
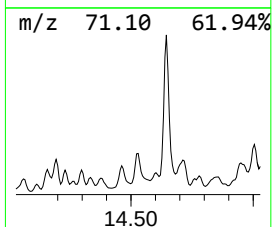
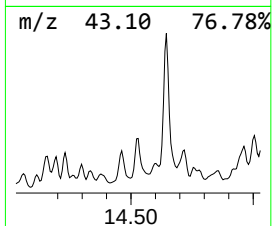
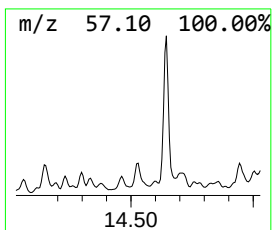
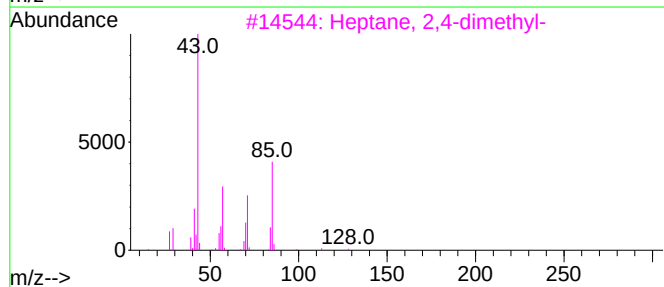
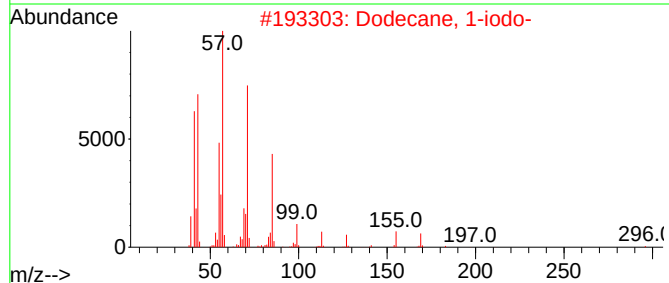
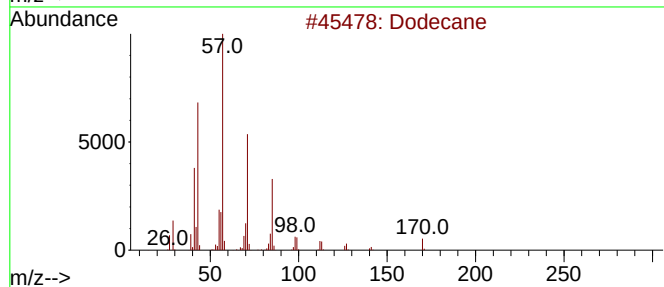
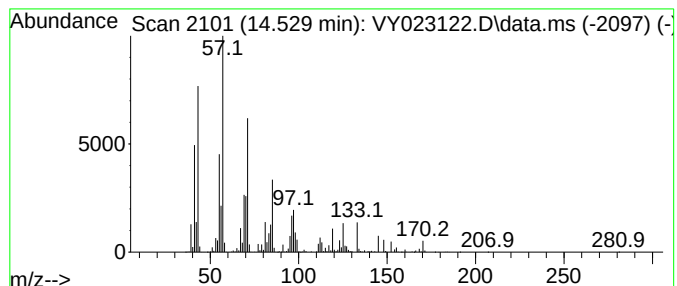
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260

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

Peak Number 4 Dodecane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.529	68.38 ug/l	3753960	1,4-Dichlorobenzene-d4	13.340

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dodecane	170	C12H26	000112-40-3	90
2			Dodecane, 1-iodo-	296	C12H25I	004292-19-7	38
3			Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	38
4			Tetradecane	198	C14H30	000629-59-4	35
5			3-Ethyl-3-methylheptane	142	C10H22	017302-01-1	35



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081525\
Data File : VY023122.D
Acq On : 15 Aug 2025 13:28
Operator : SY/MD
Sample : Q2820-24
Misc : 5.99g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
22M-S

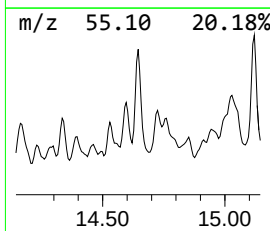
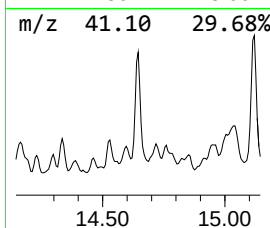
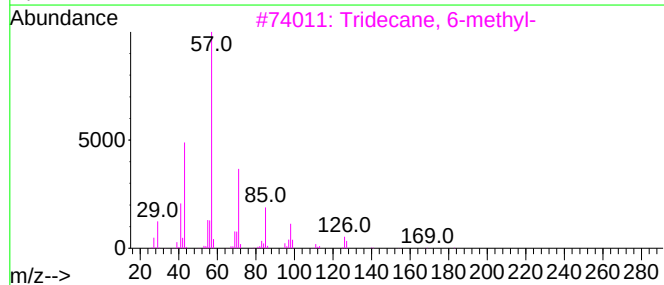
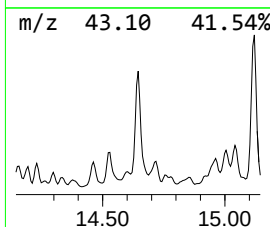
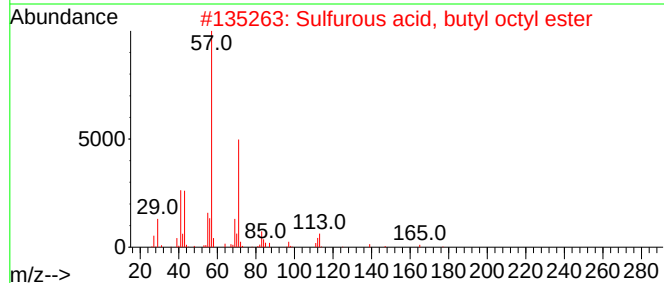
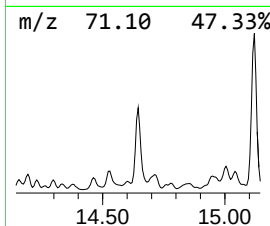
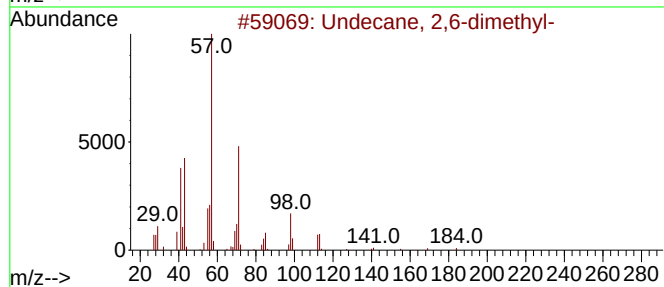
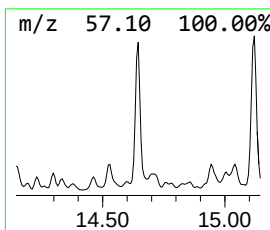
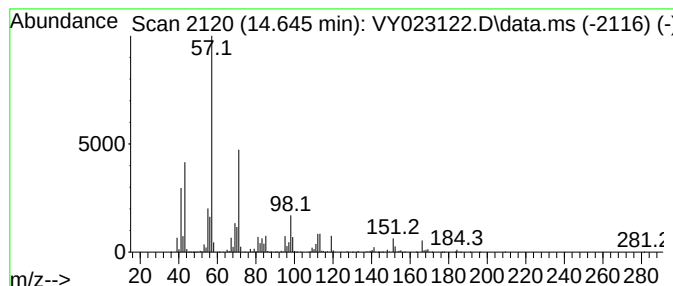
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260

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

Peak Number 5 Undecane, 2,6-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.645	271.24 ug/l	14891500	1,4-Dichlorobenzene-d4	13.340

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	95
2			Sulfurous acid, butyl octyl ester	250	C12H26O3S	1000309-17-5	53
3			Tridecane, 6-methyl-	198	C14H30	013287-21-3	53
4			Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	50
5			Tetratetracontane	619	C44H90	007098-22-8	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081525\
Data File : VY023122.D
Acq On : 15 Aug 2025 13:28
Operator : SY/MD
Sample : Q2820-24
Misc : 5.99g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
22M-S

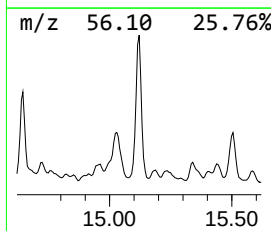
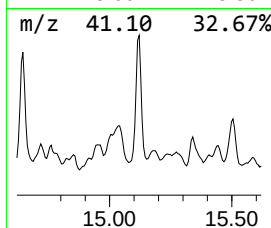
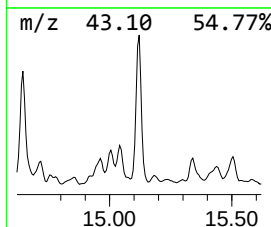
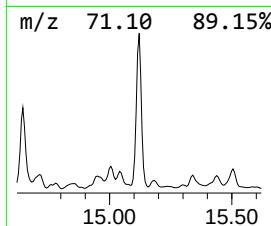
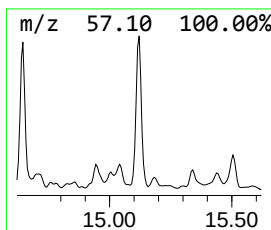
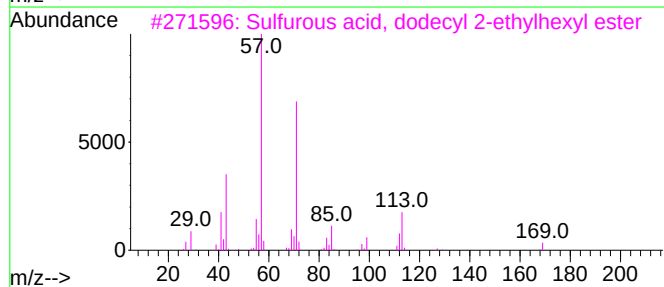
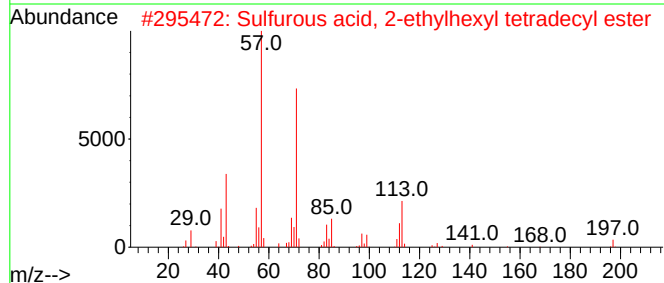
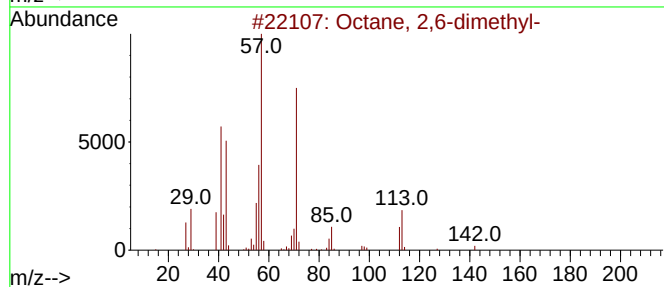
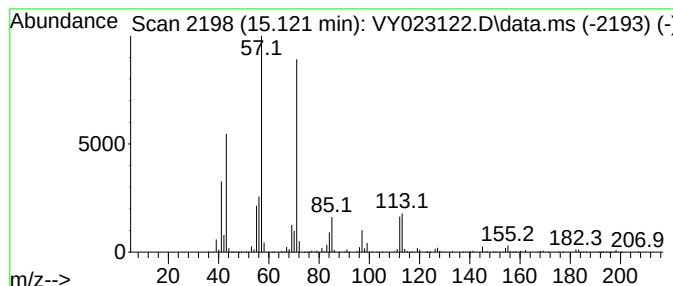
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Quant Title : SW846 8260

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

Peak Number 6 Octane, 2,6-dimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.121	334.66 ug/l	18373600	1,4-Dichlorobenzene-d4	13.340

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	90
2		Sulfurous acid, 2-ethylhexyl tet...	390	C22H46O3S	1000309-19-7	80
3		Sulfurous acid, dodecyl 2-ethylh...	362	C20H42O3S	1000309-19-5	72
4		Sulfurous acid, 2-ethylhexyl tri...	376	C21H44O3S	1000309-19-6	72
5		Heptane, 2,6-dimethyl-	128	C9H20	001072-05-5	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081525\
Data File : VY023122.D
Acq On : 15 Aug 2025 13:28
Operator : SY/MD
Sample : Q2820-24
Misc : 5.99g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
22M-S

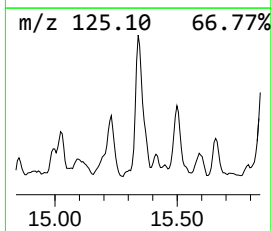
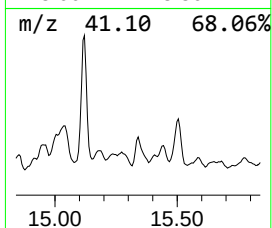
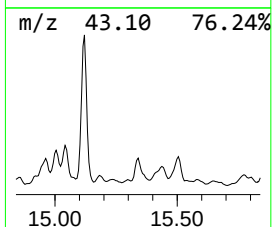
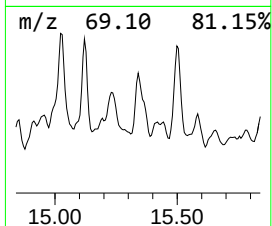
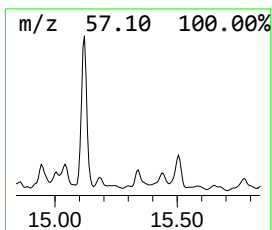
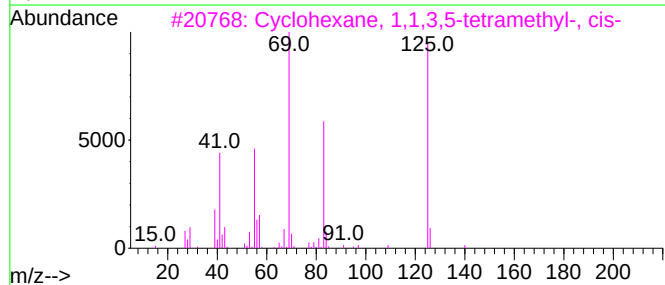
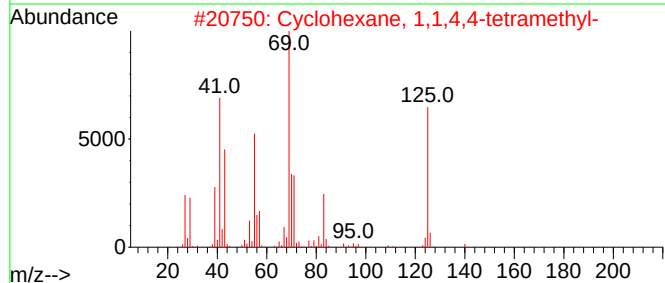
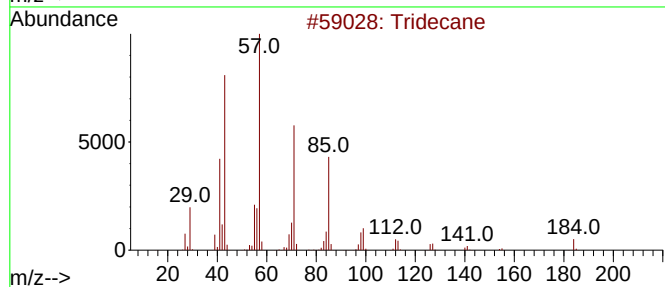
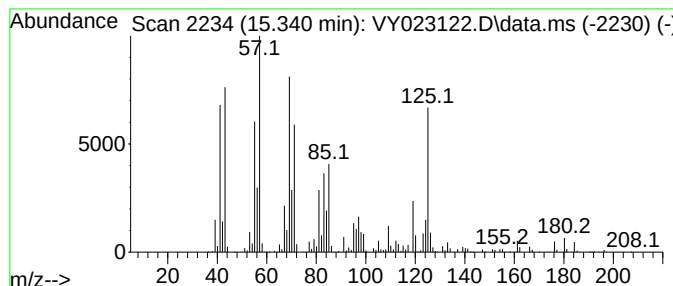
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Quant Title : SW846 8260

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

Peak Number 7 Tridecane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.340	106.75 ug/l	5861010	1,4-Dichlorobenzene-d4	13.340

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Tridecane	184	C13H28	000629-50-5	64
2			Cyclohexane, 1,1,4,4-tetramethyl-	140	C10H20	002223-52-1	46
3			Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-32-9	43
4			(1,2,4-Trimethylcyclohexyl)metha...	198	C12H22O2	1010499-04-6	38
5			2-Hexanone, 5-methyl-3-methylene-	126	C8H14O	001187-87-7	30



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081525\
Data File : VY023122.D
Acq On : 15 Aug 2025 13:28
Operator : SY/MD
Sample : Q2820-24
Misc : 5.99g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
22M-S

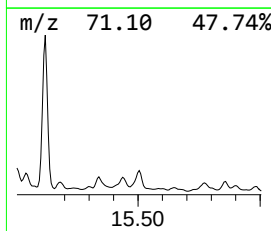
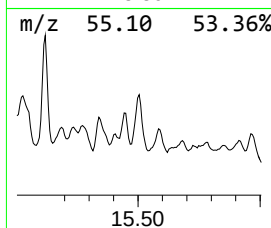
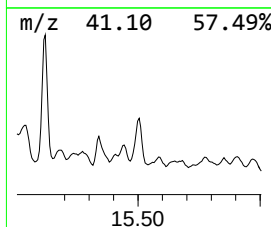
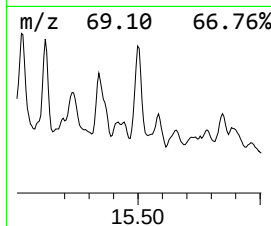
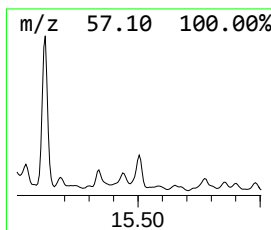
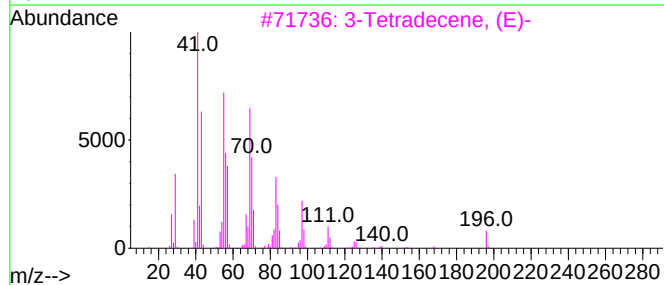
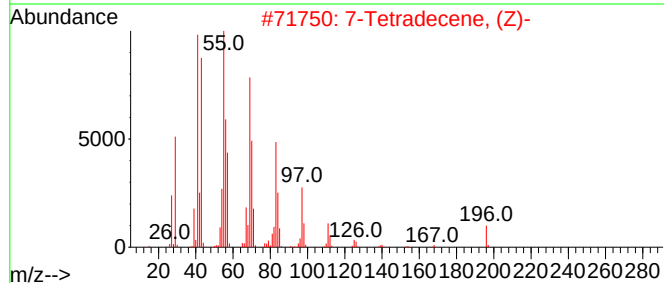
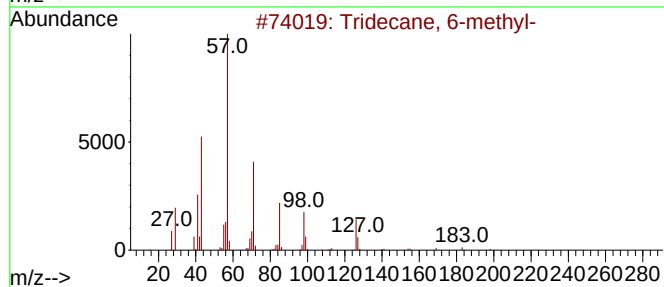
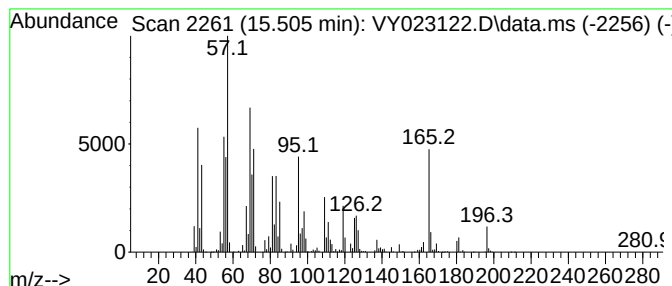
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Quant Title : SW846 8260

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

Peak Number 8 unknown15.505 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.505	158.24 ug/l	8687670	1,4-Dichlorobenzene-d4	13.340

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Tridecane, 6-methyl-	198	C14H30	013287-21-3	35
2		7-Tetradecene, (Z)-	196	C14H28	041446-60-0	25
3		3-Tetradecene, (E)-	196	C14H28	041446-68-8	15
4		4-Tetradecene, (E)-	196	C14H28	041446-78-0	15
5		6-Tetradecene, (E)-	196	C14H28	041446-64-4	15



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081525\
Data File : VY023122.D
Acq On : 15 Aug 2025 13:28
Operator : SY/MD
Sample : Q2820-24
Misc : 5.99g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
22M-S

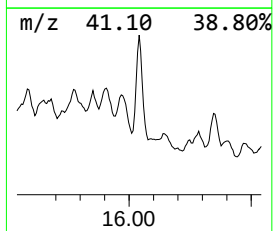
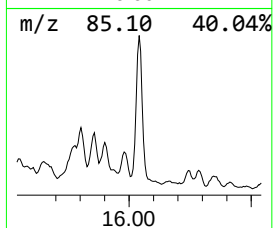
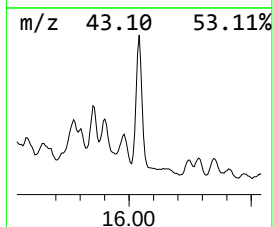
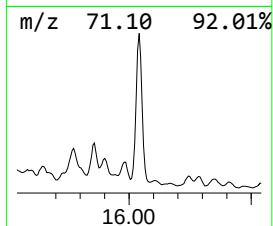
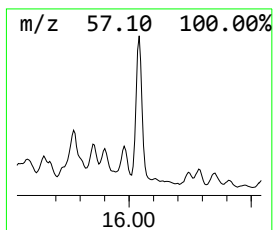
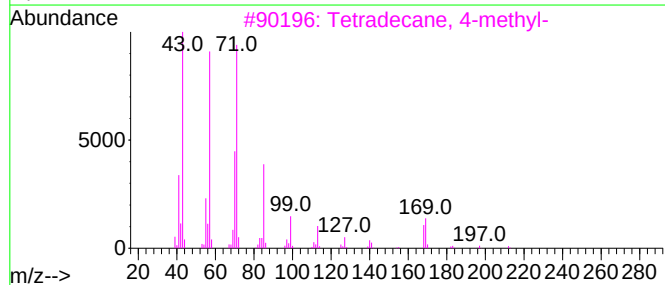
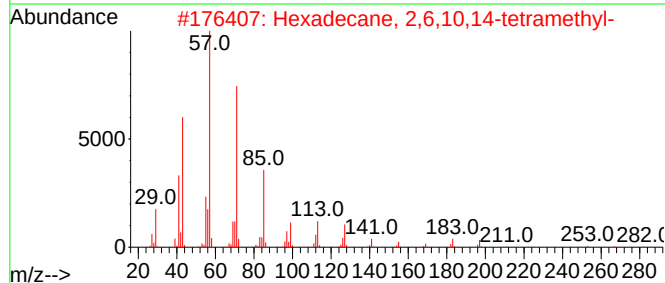
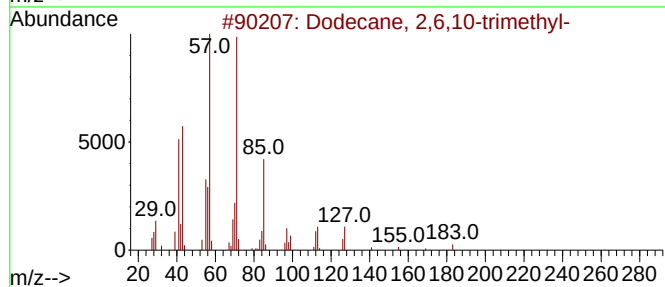
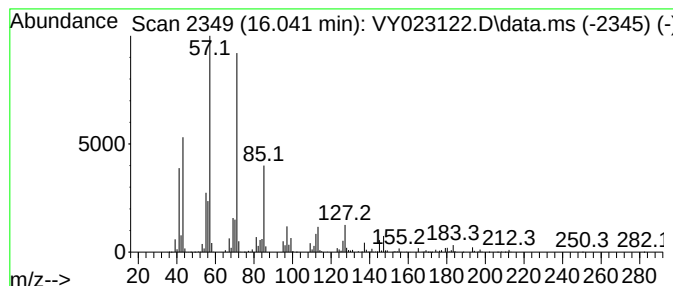
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260

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

Peak Number 9 Dodecane, 2,6,10-trimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.041	106.69 ug/l	5857620	1,4-Dichlorobenzene-d4	13.340

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	83
2			Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	80
3			Tetradecane, 4-methyl-	212	C15H32	025117-24-2	80
4			Octane, 2-methyl-	128	C9H20	003221-61-2	74
5			Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081525\
Data File : VY023122.D
Acq On : 15 Aug 2025 13:28
Operator : SY/MD
Sample : Q2820-24
Misc : 5.99g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
22M-S

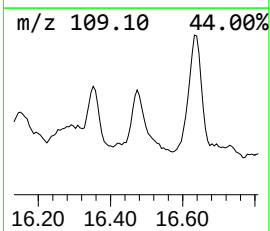
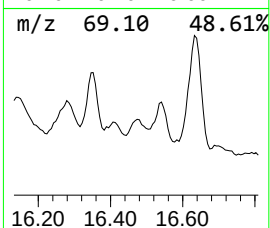
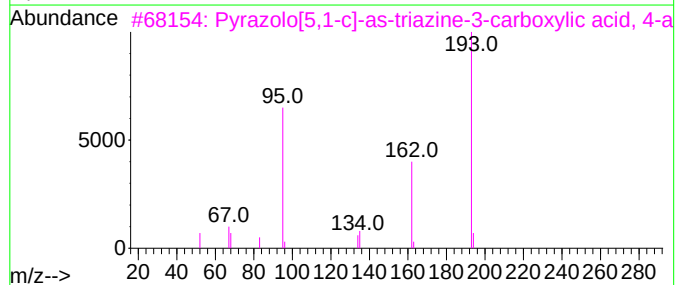
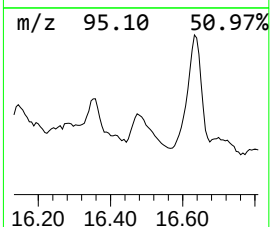
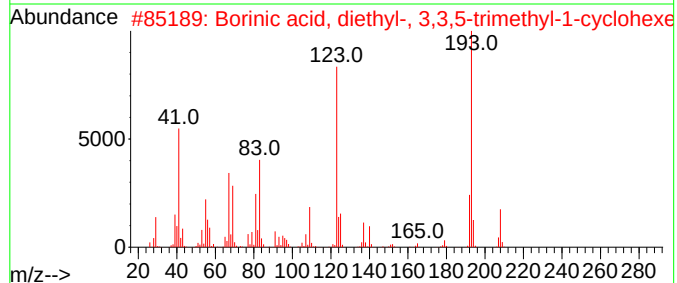
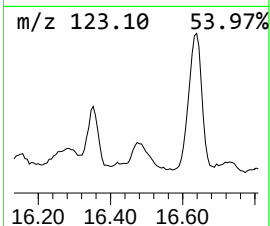
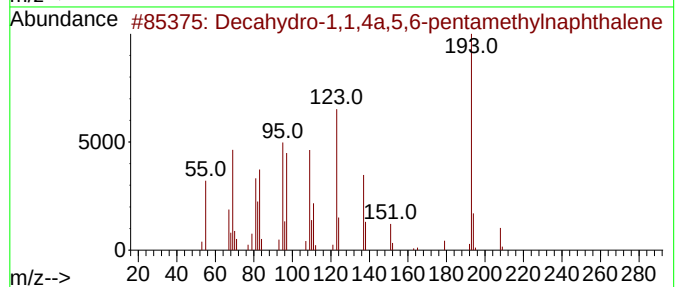
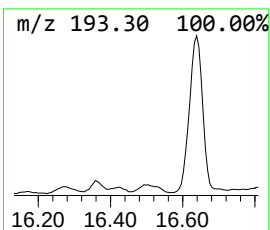
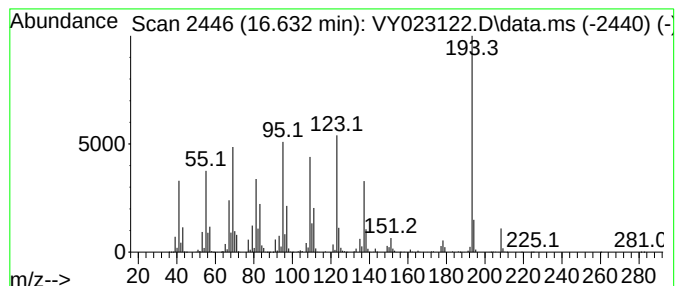
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260

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

Peak Number 10 Decahydro-1,1,4a,5,6-pentam... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.632	125.22 ug/l	6874700	1,4-Dichlorobenzene-d4	13.340

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Decahydro-1,1,4a,5,6-pentamethyl...	208	C15H28	080655-44-3	87
2			Borinic acid, diethyl-, 3,3,5-tr...	208	C13H25BO	057387-76-5	42
3			Pyrazolo[5,1-c]-as-triazine-3-ca...	193	C6H7N7O	016111-78-7	35
4			2,6-Naphthalenedione, octahydro-...	208	C13H20O2	057289-17-5	30
5			Cyclohexene, 4-methyl-1-(1-methy...	138	C10H18	000500-00-5	25



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081525\
Data File : VY023122.D
Acq On : 15 Aug 2025 13:28
Operator : SY/MD
Sample : Q2820-24
Misc : 5.99g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
22M-S

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Naphthalene, de...	13.664	97.8	ug/l	5370200	4	13.340	2745110	50.0
Naphthalene, de...	14.169	159.6	ug/l	8763410	4	13.340	2745110	50.0
1-Methyldecahyd...	14.334	97.4	ug/l	5346630	4	13.340	2745110	50.0
Dodecane	14.529	68.4	ug/l	3753960	4	13.340	2745110	50.0
Undecane, 2,6-d...	14.645	271.2	ug/l	14891500	4	13.340	2745110	50.0
Octane, 2,6-dim...	15.121	334.7	ug/l	18373600	4	13.340	2745110	50.0
Tridecane	15.340	106.8	ug/l	5861010	4	13.340	2745110	50.0
unknown15.505	15.505	158.2	ug/l	8687670	4	13.340	2745110	50.0
Dodecane, 2,6,1...	16.041	106.7	ug/l	5857620	4	13.340	2745110	50.0
Decahydro-1,1,4...	16.632	125.2	ug/l	6874700	4	13.340	2745110	50.0



CALIBRATION SUMMARY

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VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: FIRS02
 Lab Code: ACE SDG No.: Q2820
 Instrument ID: MSVOA_W Calibration Date(s): 08/11/2025 08/11/2025
 Heated Purge: (Y/N) Y Calibration Time(s): 08:25 11:08
 GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID:	RRF005 = VW032052.D	RRF010 = VW032053.D	RRF020 = VW032054.D	RRF050 = VW032055.D	RRF100 = VW032056.D	RRF150 = VW032057.D		
COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	RRF	% RSD
Dichlorodifluoromethane	0.399	0.383	0.385	0.336	0.317	0.325	0.358	9.9
Chloromethane	0.549	0.482	0.501	0.438	0.452	0.469	0.482	8.2
Vinyl Chloride	0.622	0.621	0.646	0.530	0.540	0.537	0.583	9
Bromomethane	0.482	0.452	0.462	0.411	0.413	0.403	0.437	7.5
Chloroethane	0.409	0.389	0.408	0.367	0.373	0.368	0.386	5
Trichlorofluoromethane	0.545	0.436	0.439	0.464	0.413	0.504	0.467	10.6
1,1,2-Trichlorotrifluoroethane	0.616	0.566	0.588	0.517	0.507	0.510	0.551	8.4
1,1-Dichloroethene	0.650	0.620	0.649	0.575	0.568	0.577	0.606	6.3
Acetone	0.203	0.181	0.151	0.163	0.148	0.157	0.167	12.6
Carbon Disulfide	1.694	1.616	1.727	1.557	1.567	1.605	1.628	4.2
Methyl tert-butyl Ether	1.022	1.063	1.085	1.102	1.070	1.068	1.068	2.5
Methyl Acetate	0.485	0.604	0.491	0.555	0.494	0.551	0.530	9
Methylene Chloride	1.043	0.787	0.840	0.681	0.644	0.649	0.774	19.9
trans-1,2-Dichloroethene	0.650	0.641	0.673	0.627	0.636	0.634	0.644	2.6
1,1-Dichloroethane	1.193	1.200	1.249	1.157	1.173	1.161	1.189	2.9
Cyclohexane	1.170	1.080	1.073	0.961	0.941	0.958	1.031	8.9
2-Butanone	0.233	0.241	0.217	0.255	0.233	0.249	0.238	5.7
Carbon Tetrachloride	0.441	0.440	0.451	0.448	0.426	0.430	0.439	2.2
cis-1,2-Dichloroethene	0.711	0.736	0.772	0.749	0.775	0.769	0.752	3.3
Bromochloromethane	0.561	0.542	0.549	0.543	0.521	0.529	0.541	2.6
Chloroform	1.267	1.269	1.324	1.235	1.243	1.223	1.260	2.9
1,1,1-Trichloroethane	0.960	0.949	0.965	0.872	0.869	0.878	0.915	5.1
Methylcyclohexane	0.525	0.540	0.568	0.578	0.540	0.578	0.555	4.1
Benzene	1.399	1.423	1.439	1.469	1.365	1.398	1.415	2.6
1,2-Dichloroethane	0.461	0.467	0.458	0.466	0.429	0.436	0.453	3.6
Trichloroethene	0.353	0.334	0.342	0.339	0.319	0.335	0.337	3.3
1,2-Dichloropropane	0.339	0.342	0.352	0.352	0.327	0.339	0.342	2.8
Bromodichloromethane	0.501	0.499	0.505	0.532	0.498	0.516	0.509	2.6
4-Methyl-2-Pentanone	0.265	0.284	0.258	0.312	0.265	0.287	0.279	7.3
Toluene	0.837	0.882	0.910	0.932	0.887	0.902	0.892	3.6

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



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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: FIRS02
 Lab Code: ACE SDG No.: Q2820
 Instrument ID: MSVOA_W Calibration Date(s): 08/11/2025 08/11/2025
 Heated Purge: (Y/N) Y Calibration Time(s): 08:25 11:08
 GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID:								
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RRF050 = VW032055.D			RRF100 = VW032056.D			RRF150 = VW032057.D		
COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	RRF	% RSD
t-1,3-Dichloropropene	0.430	0.450	0.464	0.515	0.483	0.517	0.476	7.4
cis-1,3-Dichloropropene	0.499	0.516	0.530	0.581	0.552	0.566	0.541	5.8
1,1,2-Trichloroethane	0.297	0.296	0.292	0.306	0.282	0.288	0.293	2.8
2-Hexanone	0.178	0.194	0.177	0.220	0.187	0.202	0.193	8.5
Dibromochloromethane	0.322	0.327	0.330	0.349	0.332	0.349	0.335	3.5
1,2-Dibromoethane	0.282	0.283	0.276	0.299	0.283	0.287	0.285	2.7
Tetrachloroethene	0.293	0.301	0.295	0.279	0.275	0.290	0.289	3.5
Chlorobenzene	1.112	1.116	1.098	1.068	1.043	1.093	1.088	2.6
Ethyl Benzene	1.714	1.806	1.921	1.870	1.830	1.921	1.843	4.3
m/p-Xylenes	0.645	0.707	0.754	0.731	0.702	0.730	0.711	5.3
o-Xylene	0.578	0.639	0.673	0.681	0.675	0.699	0.657	6.6
Styrene	1.004	1.135	1.226	1.211	1.181	1.249	1.168	7.7
Bromoform	0.186	0.189	0.184	0.206	0.188	0.212	0.194	6
Isopropylbenzene	2.910	3.454	3.525	3.657	3.595	3.825	3.494	9
1,1,2,2-Tetrachloroethane	0.803	0.871	0.769	0.872	0.794	0.870	0.830	5.6
1,3-Dichlorobenzene	1.546	1.721	1.684	1.752	1.583	1.679	1.661	4.8
1,4-Dichlorobenzene	1.653	1.733	1.739	1.673	1.625	1.646	1.678	2.8
1,2-Dichlorobenzene	1.455	1.558	1.490	1.528	1.450	1.544	1.504	3.1
1,2-Dibromo-3-Chloropropane	0.151	0.146	0.131	0.159	0.141	0.157	0.147	7.1
1,2,4-Trichlorobenzene	0.794	0.878	0.905	0.920	0.937	0.966	0.900	6.6
1,2,3-Trichlorobenzene	0.714	0.791	0.804	0.836	0.866	0.903	0.819	8
1,2-Dichloroethane-d4	0.746	0.748	0.720	0.716	0.712	0.697	0.723	2.7
Dibromofluoromethane	0.336	0.328	0.326	0.325	0.313	0.311	0.323	3
Toluene-d8	1.175	1.180	1.207	1.245	1.184	1.178	1.195	2.3
4-Bromofluorobenzene	0.428	0.431	0.444	0.460	0.438	0.441	0.440	2.6

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

Method Path : Z:\voasrv\HPCHEM1\MSVOA_W\Method\
 Method File : 82W081125S.M
 Title : SW846 8260
 Last Update : Tue Aug 12 04:04:48 2025
 Response Via : Initial Calibration

Calibration Files

5 =VW032052.D 10 =VW032053.D 20 =VW032054.D 50 =VW032055.D 100 =VW032056.D 150 =VW032057.D

	Compound	5	10	20	50	100	150	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.399	0.383	0.385	0.336	0.317	0.325	0.358	9.94
3) P	Chloromethane	0.549	0.482	0.501	0.438	0.452	0.469	0.482	8.23
4) C	Vinyl Chloride	0.622	0.621	0.646	0.530	0.540	0.537	0.583	8.96#
5) T	Bromomethane	0.482	0.452	0.462	0.411	0.413	0.403	0.437	7.45
6) T	Chloroethane	0.409	0.389	0.408	0.367	0.373	0.368	0.386	5.01
7) T	Trichlorofluor...	0.545	0.436	0.439	0.464	0.413	0.504	0.467	10.57
8) T	Diethyl Ether	0.391	0.382	0.392	0.380	0.372	0.378	0.382	2.05
9) T	1,1,2-Trichlor...	0.616	0.566	0.588	0.517	0.507	0.510	0.551	8.37
10) T	Methyl Iodide	0.789	0.788	0.836	0.748	0.759	0.764	0.781	4.05
11) T	Tert butyl alc...	0.047	0.048	0.042	0.050	0.045	0.049	0.047	6.50
12) CM	1,1-Dichloroet...	0.650	0.620	0.649	0.575	0.568	0.577	0.606	6.31#
13) T	Acrolein	0.087	0.083	0.073	0.071	0.067	0.067	0.075	11.40
14) T	Allyl chloride	0.887	0.868	0.918	0.862	0.870	0.891	0.883	2.35
15) T	Acrylonitrile	0.180	0.189	0.170	0.192	0.175	0.187	0.182	4.66
16) T	Acetone	0.203	0.181	0.151	0.163	0.148	0.157	0.167	12.57
17) T	Carbon Disulfide	1.694	1.616	1.727	1.557	1.567	1.605	1.628	4.23
18) T	Methyl Acetate	0.485	0.604	0.491	0.555	0.494	0.551	0.530	8.98
19) T	Methyl tert-bu...	1.022	1.063	1.085	1.102	1.070	1.068	1.068	2.49
20) T	Methylene Chlo...	1.043	0.787	0.840	0.681	0.644	0.649	0.774	19.85
21) T	trans-1,2-Dich...	0.650	0.641	0.673	0.627	0.636	0.634	0.644	2.55
22) T	Diisopropyl ether	1.724	1.866	1.939	1.888	1.874	1.871	1.860	3.87
23) T	Vinyl Acetate	1.104	1.150	1.217	1.299	1.266	1.293	1.222	6.56
24) P	1,1-Dichloroet...	1.193	1.200	1.249	1.157	1.173	1.161	1.189	2.88
25) T	2-Butanone	0.233	0.241	0.217	0.255	0.233	0.249	0.238	5.68
26) T	2,2-Dichloropr...	0.635	0.610	0.606	0.579	0.563	0.585	0.596	4.32
27) T	cis-1,2-Dichlo...	0.711	0.736	0.772	0.749	0.775	0.769	0.752	3.35
28) T	Bromochloromet...	0.561	0.542	0.549	0.543	0.521	0.529	0.541	2.63
29) T	Tetrahydrofuran	0.150	0.159	0.145	0.171	0.153	0.163	0.157	5.96
30) C	Chloroform	1.267	1.269	1.324	1.235	1.243	1.223	1.260	2.87#
31) T	Cyclohexane	1.170	1.080	1.073	0.961	0.941	0.958	1.031	8.88
32) T	1,1,1-Trichlor...	0.960	0.949	0.965	0.872	0.869	0.878	0.915	5.14
33) S	1,2-Dichloroet...	0.746	0.748	0.720	0.716	0.712	0.697	0.723	2.75
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...	0.336	0.328	0.326	0.325	0.313	0.311	0.323	2.97
36) T	1,1-Dichloropr...	0.458	0.457	0.472	0.467	0.439	0.439	0.455	3.00
37) T	Ethyl Acetate	0.268	0.270	0.241	0.294	0.261	0.276	0.268	6.54
38) T	Carbon Tetrach...	0.441	0.440	0.451	0.448	0.426	0.430	0.439	2.21
39) T	Methylcyclohexane	0.525	0.540	0.568	0.578	0.540	0.578	0.555	4.12
40) TM	Benzene	1.399	1.423	1.439	1.469	1.365	1.398	1.415	2.56
41) T	Methacrylonitrile	0.139	0.137	0.146	0.167	0.160	0.162	0.152	8.40
42) TM	1,2-Dichloroet...	0.461	0.467	0.458	0.466	0.429	0.436	0.453	3.59
43) T	Isopropyl Acetate	0.469	0.481	0.460	0.538	0.486	0.526	0.493	6.37
44) TM	Trichloroethene	0.353	0.334	0.342	0.339	0.319	0.335	0.337	3.34
45) C	1,2-Dichloropr...	0.339	0.342	0.352	0.352	0.327	0.339	0.342	2.77#
46) T	Dibromomethane	0.230	0.219	0.219	0.229	0.209	0.219	0.221	3.39
47) T	Bromodichlorom...	0.501	0.499	0.505	0.532	0.498	0.516	0.509	2.60
48) T	Methyl methacr...	0.211	0.230	0.223	0.266	0.238	0.261	0.238	9.10
49) T	1,4-Dioxane	0.003	0.003	0.003	0.003	0.003	0.003	0.003	9.50
50) S	Toluene-d8	1.175	1.180	1.207	1.245	1.184	1.178	1.195	2.28
51) T	4-Methyl-2-Pen...	0.265	0.284	0.258	0.312	0.265	0.287	0.279	7.26
52) CM	Toluene	0.837	0.882	0.910	0.932	0.887	0.902	0.892	3.63#
53) T	t-1,3-Dichloro...	0.430	0.450	0.464	0.515	0.483	0.517	0.476	7.39
54) T	cis-1,3-Dichlo...	0.499	0.516	0.530	0.581	0.552	0.566	0.541	5.78
55) T	1,1,2-Trichlor...	0.297	0.296	0.292	0.306	0.282	0.288	0.293	2.78
56) T	Ethyl methacry...	0.339	0.363	0.366	0.440	0.410	0.437	0.392	10.78

Method Path : Z:\voasrv\HPCHEM1\MSVOA_W\Method\
 Method File : 82W081125S.M

57)	T	1,3-Dichloropr...	0.510	0.524	0.506	0.533	0.486	0.509	0.511	3.15
58)	T	2-Chloroethyl ...	0.198	0.208	0.206	0.241	0.223	0.227	0.217	7.42
59)	T	2-Hexanone	0.178	0.194	0.177	0.220	0.187	0.202	0.193	8.48
60)	T	Dibromochlorom...	0.322	0.327	0.330	0.349	0.332	0.349	0.335	3.49
61)	T	1,2-Dibromoethane	0.282	0.283	0.276	0.299	0.283	0.287	0.285	2.67
62)	S	4-Bromofluorob...	0.428	0.431	0.444	0.460	0.438	0.441	0.440	2.60
63)	I	Chlorobenzene-d5	-----ISTD-----							
64)	T	Tetrachloroethene	0.293	0.301	0.295	0.279	0.275	0.290	0.289	3.46
65)	PM	Chlorobenzene	1.112	1.116	1.097	1.068	1.043	1.093	1.088	2.58
66)	T	1,1,1,2-Tetrac...	0.333	0.341	0.342	0.339	0.327	0.355	0.340	2.85
67)	C	Ethyl Benzene	1.714	1.806	1.921	1.870	1.830	1.921	1.843	4.27#
68)	T	m/p-Xylenes	0.645	0.707	0.754	0.731	0.702	0.730	0.711	5.25
69)	T	o-Xylene	0.578	0.639	0.673	0.681	0.675	0.699	0.657	6.65
70)	T	Styrene	1.004	1.135	1.226	1.211	1.181	1.249	1.168	7.65
71)	P	Bromoform	0.186	0.189	0.184	0.206	0.188	0.212	0.194	6.05
72)	I	1,4-Dichlorobenzen...	-----ISTD-----							
73)	T	Isopropylbenzene	2.910	3.454	3.525	3.657	3.595	3.825	3.494	8.96
74)	T	N-amyl acetate	0.829	0.983	0.903	1.113	1.048	1.140	1.003	12.11
75)	P	1,1,2,2-Tetrac...	0.803	0.871	0.769	0.872	0.794	0.870	0.830	5.62
76)	T	1,2,3-Trichlor...	0.702	0.703	0.672	0.769	0.578	0.648	0.679	9.43
77)	T	Bromobenzene	0.746	0.873	0.802	0.873	0.860	0.852	0.835	6.07
78)	T	n-propylbenzene	3.663	4.310	4.404	4.500	4.396	4.539	4.302	7.52
79)	T	2-Chlorotoluene	2.380	2.674	2.664	2.741	2.695	2.776	2.655	5.31
80)	T	1,3,5-Trimethy...	2.519	2.982	3.000	3.103	3.023	3.172	2.967	7.77
81)	T	trans-1,4-Dich...	0.230	0.246	0.229	0.289	0.274	0.305	0.262	12.22
82)	T	4-Chlorotoluene	2.579	2.850	2.857	2.905	2.804	2.931	2.821	4.49
83)	T	tert-Butylbenzene	2.031	2.395	2.537	2.583	2.550	2.675	2.462	9.34
84)	T	1,2,4-Trimethy...	2.533	3.053	3.137	3.198	3.013	3.185	3.020	8.25
85)	T	sec-Butylbenzene	3.263	3.631	3.824	3.858	3.796	3.961	3.722	6.70
86)	T	p-Isopropyltol...	2.637	3.049	3.202	3.295	3.123	3.313	3.103	8.03
87)	T	1,3-Dichlorobe...	1.546	1.721	1.684	1.752	1.583	1.679	1.661	4.83
88)	T	1,4-Dichlorobe...	1.653	1.733	1.739	1.673	1.625	1.646	1.678	2.83
89)	T	n-Butylbenzene	2.606	2.979	3.064	3.181	3.052	3.206	3.015	7.21
90)	T	Hexachloroethane	0.527	0.556	0.565	0.567	0.567	0.624	0.568	5.55
91)	T	1,2-Dichlorobe...	1.455	1.558	1.490	1.528	1.450	1.544	1.504	3.07
92)	T	1,2-Dibromo-3-...	0.151	0.146	0.131	0.159	0.141	0.157	0.147	7.12
93)	T	1,2,4-Trichlor...	0.794	0.878	0.905	0.920	0.937	0.966	0.900	6.63
94)	T	Hexachlorobuta...	0.412	0.413	0.397	0.385	0.383	0.424	0.402	4.10
95)	T	Naphthalene	1.760	2.104	2.001	2.430	2.327	2.608	2.205	14.02
96)	T	1,2,3-Trichlor...	0.714	0.791	0.804	0.836	0.866	0.903	0.819	8.04

(#) = Out of Range

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081125\
 Data File : VW032052.D
 Acq On : 11 Aug 2025 08:25
 Operator : SY/MD
 Sample : VSTDICC005
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025
 Supervised By :Semsettin Yesilyurt 08/12/2025

Quant Time: Aug 12 03:36:10 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 12 03:34:13 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.959	168	225574	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	424617	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	391234	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	196943	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.313	65	16827	5.158	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery =	10.320%#		
35) Dibromofluoromethane	7.898	113	14278	5.205	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery =	10.400%#		
50) Toluene-d8	10.331	98	49876	4.916	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery =	9.840%#		
62) 4-Bromofluorobenzene	12.617	95	18184	4.863	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery =	9.720%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.046	85	9007	5.583	ug/l	100
3) Chloromethane	2.253	50	12377	5.695	ug/l	95
4) Vinyl Chloride	2.399	62	14029	5.337	ug/l	91
5) Bromomethane	2.826	94	10878	5.516	ug/l	95
6) Chloroethane	2.966	64	9219	5.300	ug/l	98
7) Trichlorofluoromethane	3.302	101	12298	5.840	ug/l	94
8) Diethyl Ether	3.716	74	8824	5.114	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.100	101	13903	5.596	ug/l	94
10) Methyl Iodide	4.301	142	17789	5.050	ug/l	99
11) Tert butyl alcohol	5.222	59	5328	25.221	ug/l	94
12) 1,1-Dichloroethene	4.076	96	14655	5.357	ug/l	94
13) Acrolein	3.929	56	9831	29.207	ug/l	89
14) Allyl chloride	4.698	41	19999	5.023	ug/l	98
15) Acrylonitrile	5.399	53	20340	24.751	ug/l	99
16) Acetone	4.161	43	22915	30.337	ug/l	99
17) Carbon Disulfide	4.417	76	38213	5.204	ug/l	96
18) Methyl Acetate	4.704	43	10943	4.578	ug/l #	76
19) Methyl tert-butyl Ether	5.460	73	23062	4.785	ug/l	99
20) Methylene Chloride	4.954	84	23529	6.737	ug/l	96
21) trans-1,2-Dichloroethene	5.454	96	14671	5.053	ug/l	93
22) Diisopropyl ether	6.338	45	38895	4.634	ug/l	94
23) Vinyl Acetate	6.283	43	124477	22.588	ug/l	98
24) 1,1-Dichloroethane	6.246	63	26909	5.018	ug/l	99
25) 2-Butanone	7.197	43	26284	24.484	ug/l	100
26) 2,2-Dichloropropane	7.185	77	14330	5.326	ug/l	98
27) cis-1,2-Dichloroethene	7.191	96	16041	4.727	ug/l	98
28) Bromochloromethane	7.526	49	12660	5.188	ug/l	98
29) Tetrahydrofuran	7.551	42	16965	23.963	ug/l	96
30) Chloroform	7.691	83	28586	5.028	ug/l	99
31) Cyclohexane	7.959	56	26393	5.677	ug/l #	83
32) 1,1,1-Trichloroethane	7.880	97	21662	5.246	ug/l	96
36) 1,1-Dichloropropene	8.099	75	19468	5.034	ug/l	99
37) Ethyl Acetate	7.276	43	11365	4.990	ug/l	99
38) Carbon Tetrachloride	8.081	117	18734	5.020	ug/l	92
39) Methylcyclohexane	9.337	83	22284	4.728	ug/l	94
40) Benzene	8.331	78	59395	4.941	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081125\
 Data File : VW032052.D
 Acq On : 11 Aug 2025 08:25
 Operator : SY/MD
 Sample : VSTDICC005
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC005

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025

Supervised By :Semsettin Yesilyurt 08/12/2025

Quant Time: Aug 12 03:36:10 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M

Quant Title : SW846 8260

QLast Update : Tue Aug 12 03:34:13 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.496	41	5910	4.576	ug/l #	95
42) 1,2-Dichloroethane	8.410	62	19560	5.085	ug/l	99
43) Isopropyl Acetate	8.435	43	19928	4.756	ug/l	98
44) Trichloroethene	9.093	130	14999	5.240	ug/l	93
45) 1,2-Dichloropropane	9.374	63	14387	4.954	ug/l	98
46) Dibromomethane	9.465	93	9753	5.204	ug/l	97
47) Bromodichloromethane	9.648	83	21279	4.927	ug/l	100
48) Methyl methacrylate	9.441	41	8949	4.424	ug/l	97
49) 1,4-Dioxane	9.465	88	2259	93.217	ug/l #	85
51) 4-Methyl-2-Pentanone	10.215	43	56184	23.755	ug/l	98
52) Toluene	10.386	92	35525	4.692	ug/l	96
53) t-1,3-Dichloropropene	10.611	75	18259	4.513	ug/l	100
54) cis-1,3-Dichloropropene	10.075	75	21173	4.612	ug/l	97
55) 1,1,2-Trichloroethane	10.788	97	12594	5.057	ug/l	95
56) Ethyl methacrylate	10.648	69	14387	4.317	ug/l	95
57) 1,3-Dichloropropane	10.934	76	21654	4.988	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.928	63	41991	22.777	ug/l	98
59) 2-Hexanone	10.971	43	37796	23.074	ug/l	95
60) Dibromochloromethane	11.129	129	13654	4.799	ug/l	98
61) 1,2-Dibromoethane	11.239	107	11992	4.955	ug/l	100
64) Tetrachloroethene	10.861	164	11449	5.066	ug/l	93
65) Chlorobenzene	11.654	112	43515	5.110	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.733	131	13037	4.907	ug/l	98
67) Ethyl Benzene	11.727	91	67071	4.650	ug/l	97
68) m/p-Xylenes	11.837	106	50482	9.070	ug/l	96
69) o-Xylene	12.166	106	22602	4.393	ug/l	97
70) Styrene	12.178	104	39288	4.300	ug/l	98
71) Bromoform	12.349	173	7283	4.792	ug/l #	95
73) Isopropylbenzene	12.458	105	57306	4.164	ug/l	98
74) N-amyl acetate	12.269	43	16327	4.135	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.708	83	15805	4.836	ug/l	98
76) 1,2,3-Trichloropropane	12.763	75	13829m	4.568	ug/l	
77) Bromobenzene	12.745	156	14698	4.471	ug/l	97
78) n-propylbenzene	12.800	91	72140	4.257	ug/l	99
79) 2-Chlorotoluene	12.885	91	46879	4.483	ug/l	98
80) 1,3,5-Trimethylbenzene	12.940	105	49607	4.245	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.513	75	4520	4.378	ug/l	92
82) 4-Chlorotoluene	12.983	91	50782	4.570	ug/l	100
83) tert-Butylbenzene	13.202	119	39993	4.124	ug/l	98
84) 1,2,4-Trimethylbenzene	13.245	105	49891	4.194	ug/l	100
85) sec-Butylbenzene	13.379	105	64254	4.382	ug/l	98
86) p-Isopropyltoluene	13.495	119	51939	4.249	ug/l	97
87) 1,3-Dichlorobenzene	13.495	146	30445	4.654	ug/l	94
88) 1,4-Dichlorobenzene	13.574	146	32554	4.925	ug/l	95
89) n-Butylbenzene	13.818	91	51328	4.323	ug/l	99
90) Hexachloroethane	14.086	117	10372	4.640	ug/l	99
91) 1,2-Dichlorobenzene	13.867	146	28653	4.836	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.476	75	2976	5.123	ug/l	93
93) 1,2,4-Trichlorobenzene	15.123	180	15646	4.414	ug/l	99
94) Hexachlorobutadiene	15.226	225	8109	5.118	ug/l	98
95) Naphthalene	15.360	128	34667	3.991	ug/l	99
96) 1,2,3-Trichlorobenzene	15.549	180	14053	4.357	ug/l	92

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081125\
Data File : VW032052.D
Acq On : 11 Aug 2025 08:25
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025

Quant Time: Aug 12 03:36:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 12 03:34:13 2025
Response via : Initial Calibration

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

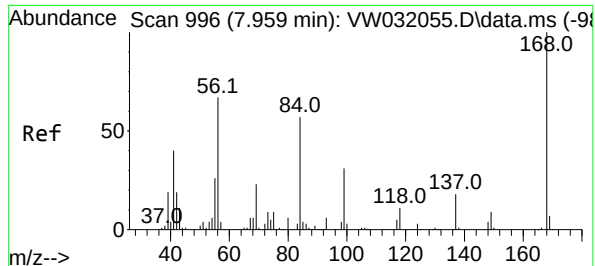
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Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations

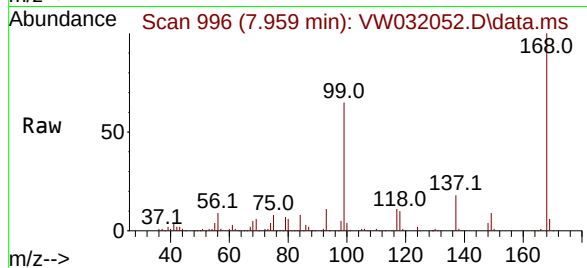
Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 996
Delta R.T. 0.000 min
Lab File: VW032052.D
Acq: 11 Aug 2025 08:25

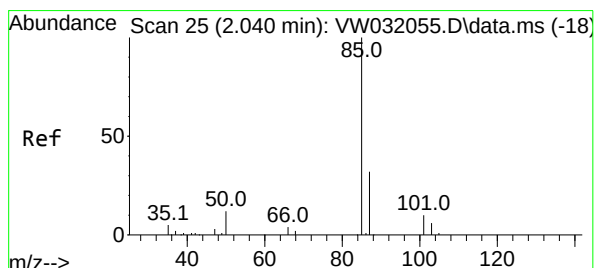
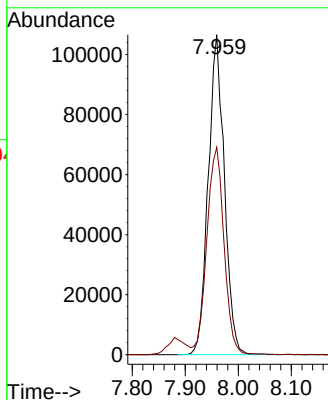
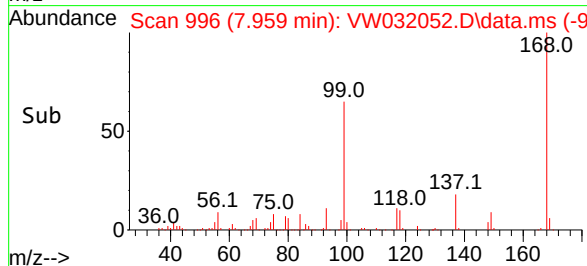
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005



Tgt Ion: 168 Resp: 225574
Ion Ratio Lower Upper
168 100
99 64.7 56.0 84.0

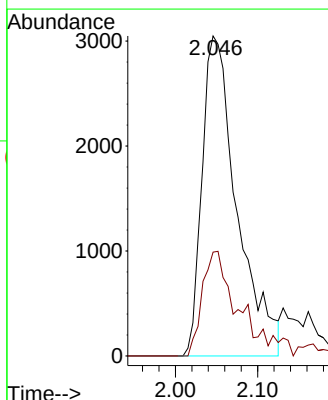
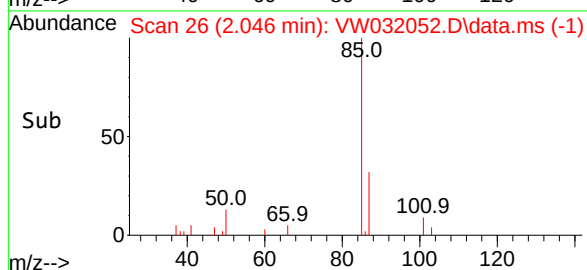
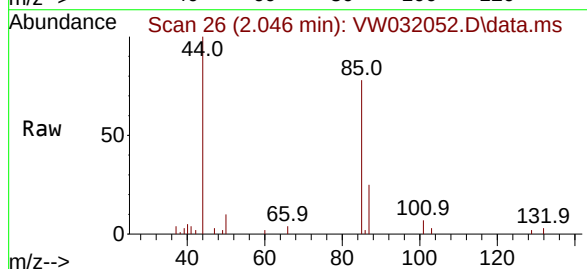
Manual Integrations
APPROVED

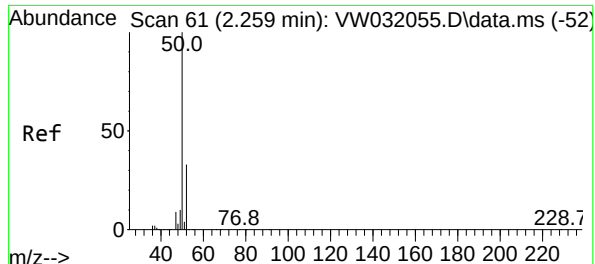
Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025



#2
Dichlorodifluoromethane
Concen: 5.583 ug/l
RT: 2.046 min Scan# 26
Delta R.T. 0.006 min
Lab File: VW032052.D
Acq: 11 Aug 2025 08:25

Tgt Ion: 85 Resp: 9007
Ion Ratio Lower Upper
85 100
87 32.5 16.2 48.6





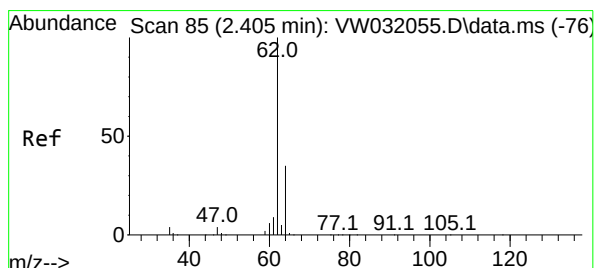
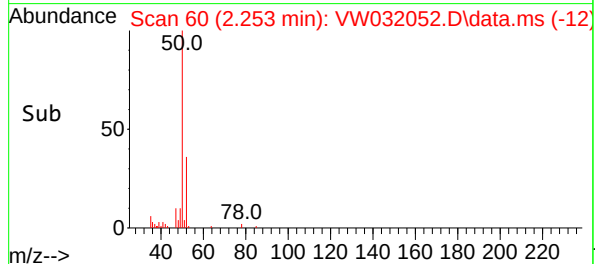
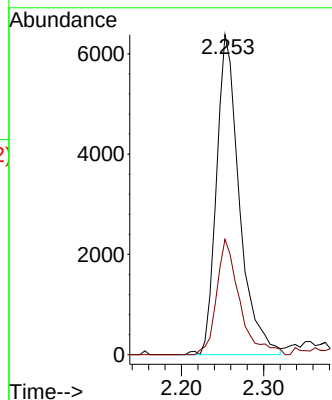
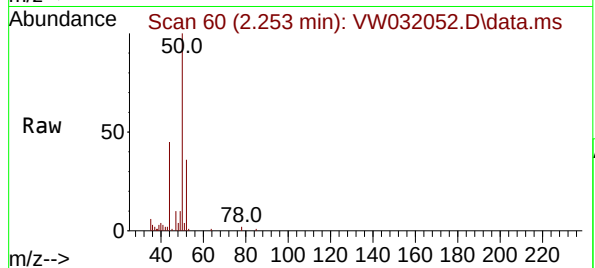
#3
Chloromethane
Concen: 5.695 ug/l
RT: 2.253 min Scan# 60
Delta R.T. -0.006 min
Lab File: VW032052.D
Acq: 11 Aug 2025 08:25

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Tgt Ion: 50 Resp: 1237
Ion Ratio Lower Upper
50 100
52 36.1 26.6 39.8

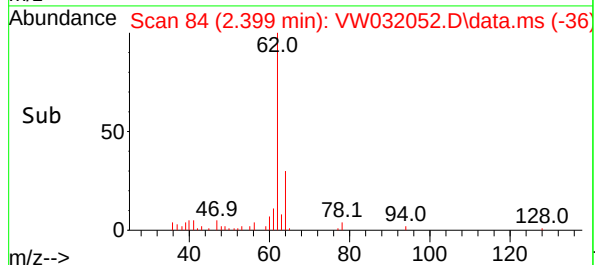
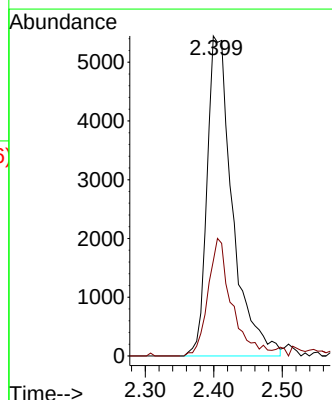
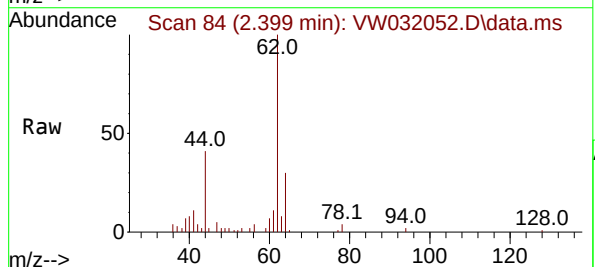
Manual Integrations
APPROVED

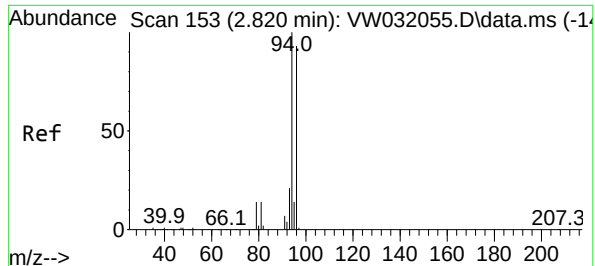
Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025



#4
Vinyl Chloride
Concen: 5.337 ug/l
RT: 2.399 min Scan# 84
Delta R.T. -0.006 min
Lab File: VW032052.D
Acq: 11 Aug 2025 08:25

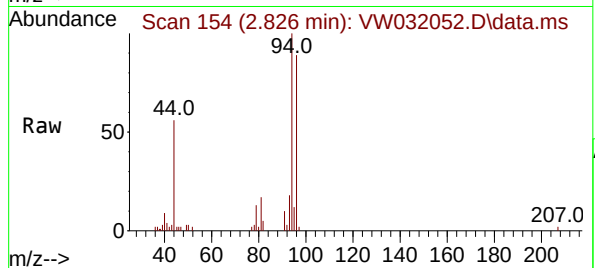
Tgt Ion: 62 Resp: 14029
Ion Ratio Lower Upper
62 100
64 29.8 27.8 41.6





#5
Bromomethane
Concen: 5.516 ug/l
RT: 2.826 min Scan# 153
Delta R.T. 0.006 min
Lab File: VW032052.D
Acq: 11 Aug 2025 08:25

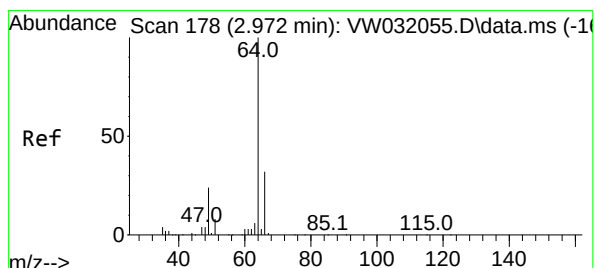
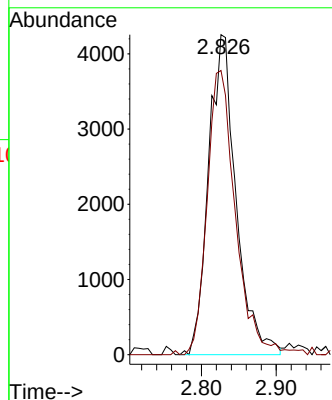
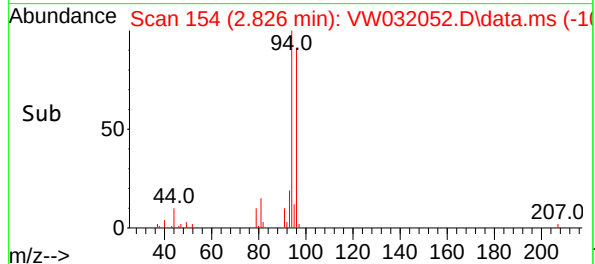
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005



Tgt Ion: 94 Resp: 10878
Ion Ratio Lower Upper
94 100
96 88.8 74.7 112.1

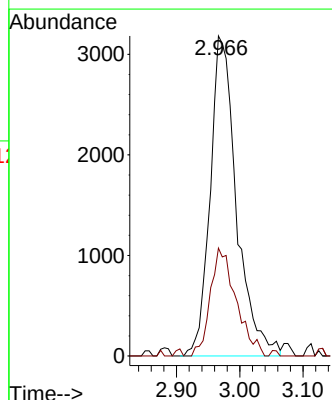
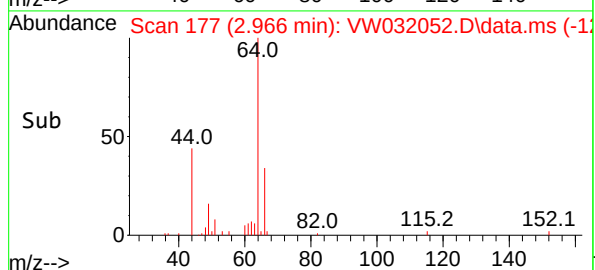
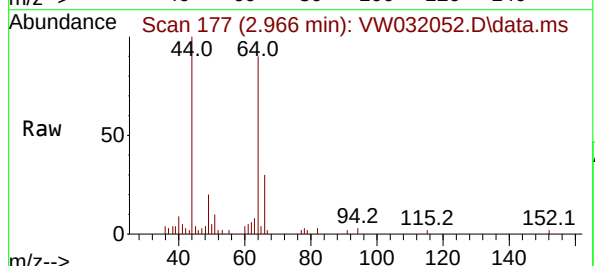
Manual Integrations
APPROVED

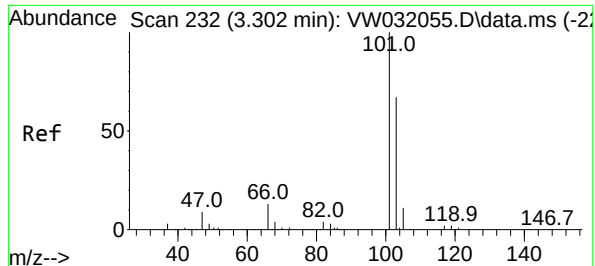
Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025



#6
Chloroethane
Concen: 5.300 ug/l
RT: 2.966 min Scan# 177
Delta R.T. -0.006 min
Lab File: VW032052.D
Acq: 11 Aug 2025 08:25

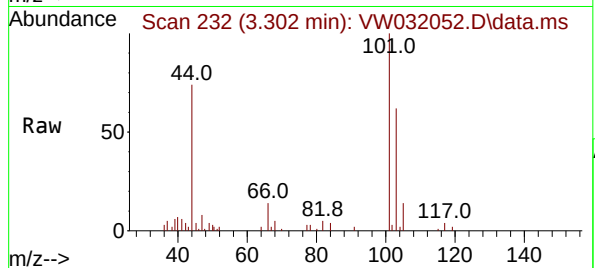
Tgt Ion: 64 Resp: 9219
Ion Ratio Lower Upper
64 100
66 33.7 26.0 39.0





#7
Trichlorofluoromethane
Concen: 5.840 ug/l
RT: 3.302 min Scan# 21
Delta R.T. -0.000 min
Lab File: VW032052.D
Acq: 11 Aug 2025 08:25

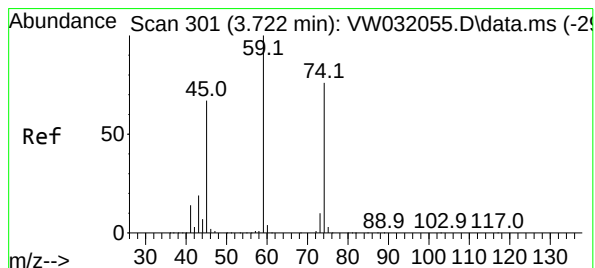
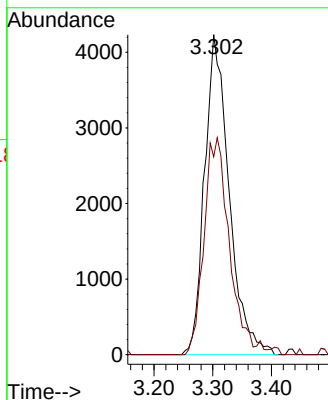
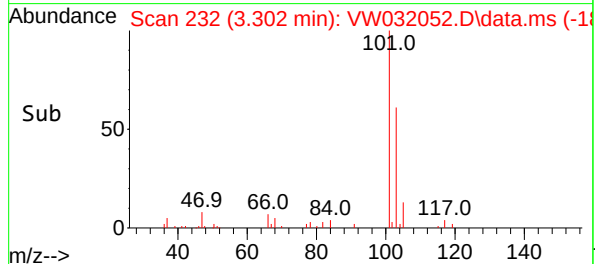
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005



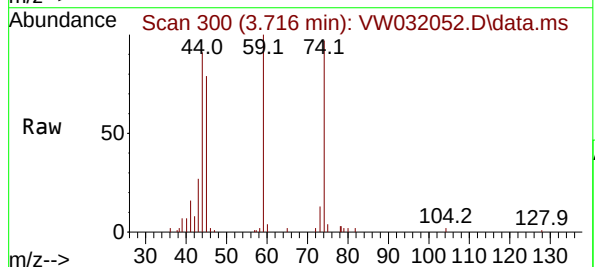
Tgt Ion:101 Resp: 12298
Ion Ratio Lower Upper
101 100
103 61.8 53.4 80.0

Manual Integrations
APPROVED

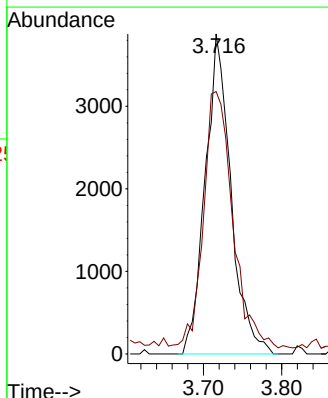
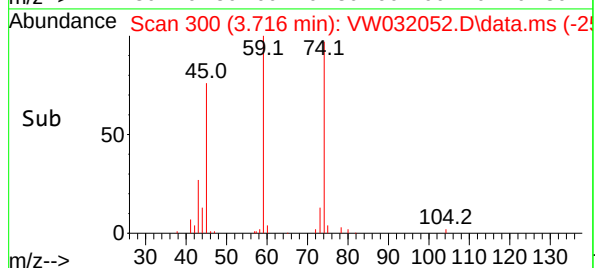
Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025

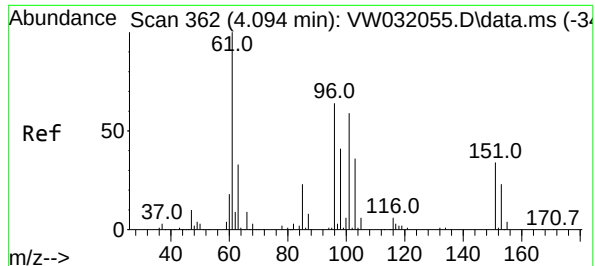


#8
Diethyl Ether
Concen: 5.114 ug/l
RT: 3.716 min Scan# 300
Delta R.T. -0.006 min
Lab File: VW032052.D
Acq: 11 Aug 2025 08:25



Tgt Ion: 74 Resp: 8824
Ion Ratio Lower Upper
74 100
45 92.8 45.4 136.2





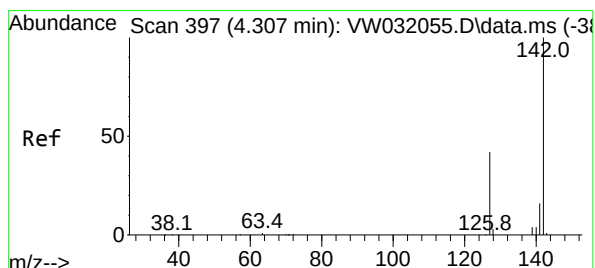
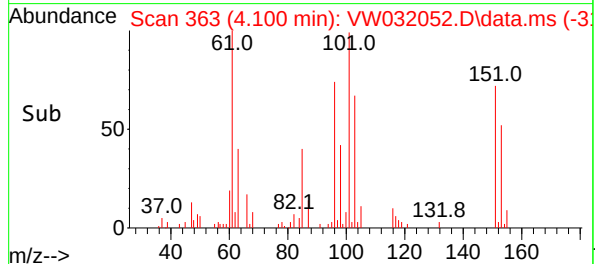
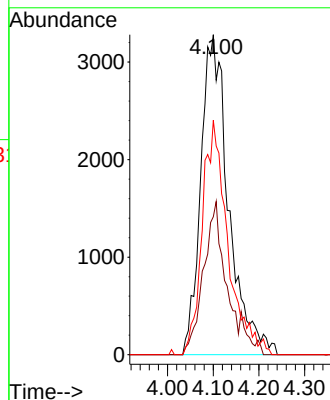
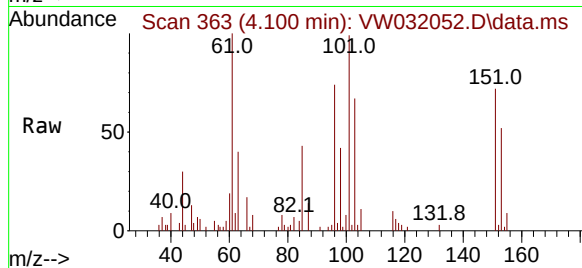
#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.596 ug/l
RT: 4.100 min Scan# 363
Delta R.T. 0.006 min
Lab File: VW032052.D
Acq: 11 Aug 2025 08:25

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tgt Ion:101 Resp: 1390
Ion Ratio Lower Upper
101 100
85 36.9 34.9 52.3
151 67.0 56.2 84.4

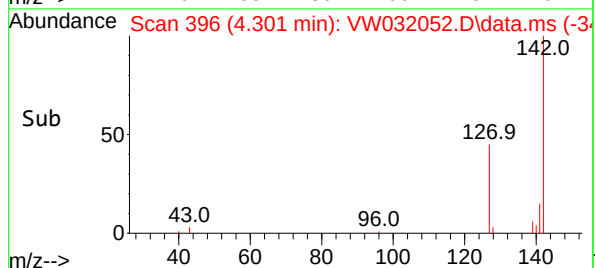
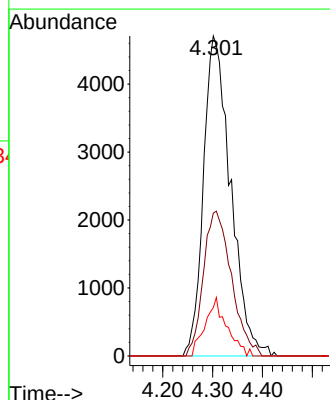
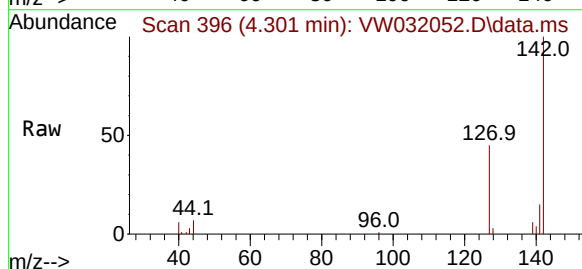
Manual Integrations
APPROVED

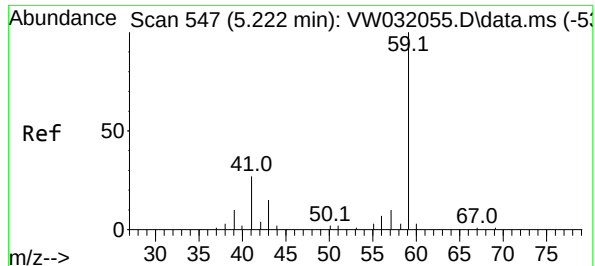
Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025



#10
Methyl Iodide
Concen: 5.050 ug/l
RT: 4.301 min Scan# 396
Delta R.T. -0.006 min
Lab File: VW032052.D
Acq: 11 Aug 2025 08:25

Tgt Ion:142 Resp: 17789
Ion Ratio Lower Upper
142 100
127 46.8 36.6 55.0
141 14.6 12.1 18.1





#11

Tert butyl alcohol

Concen: 25.221 ug/l

RT: 5.222 min Scan# 54

Delta R.T. -0.000 min

Lab File: VW032052.D

Acq: 11 Aug 2025 08:25

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tgt Ion: 59 Resp: 5328

Ion Ratio Lower Upper

59 100

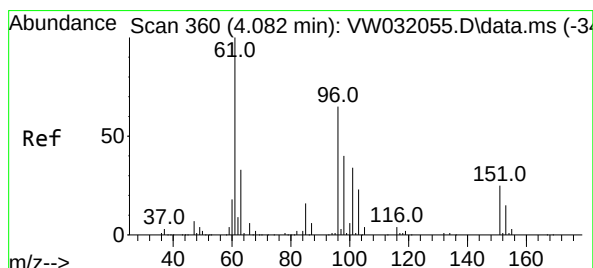
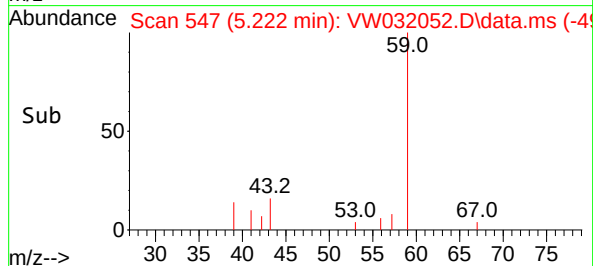
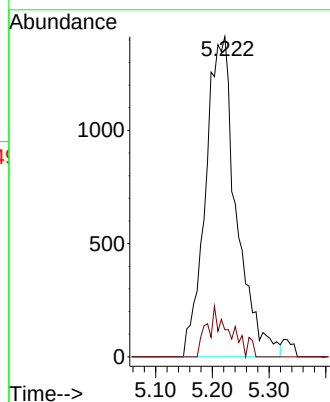
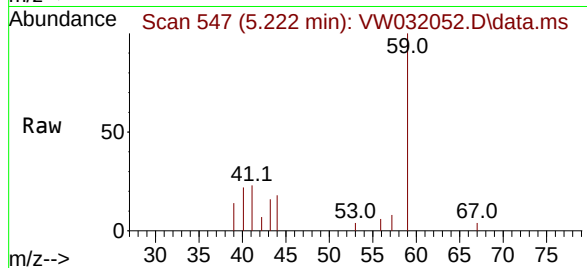
57 8.7 8.7 13.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025

Supervised By :Semsettin Yesilyurt 08/12/2025



#12

1,1-Dichloroethene

Concen: 5.357 ug/l

RT: 4.076 min Scan# 359

Delta R.T. -0.006 min

Lab File: VW032052.D

Acq: 11 Aug 2025 08:25

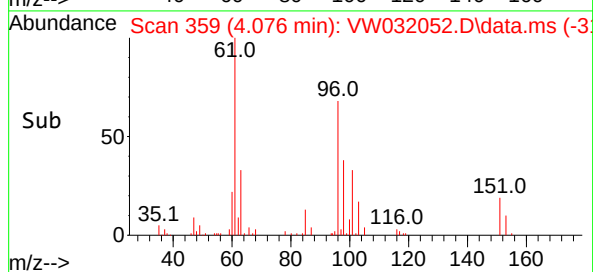
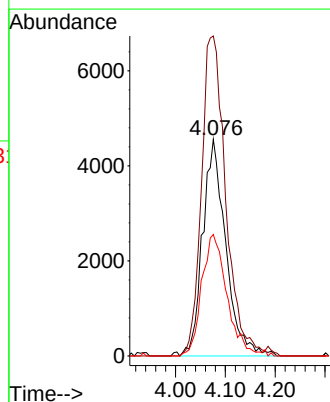
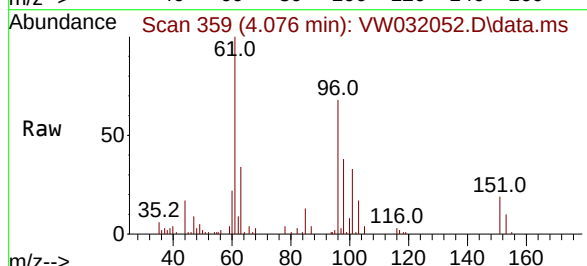
Tgt Ion: 96 Resp: 14655

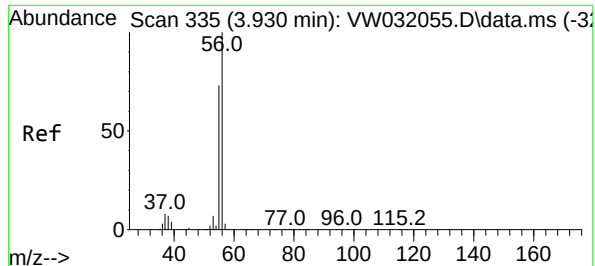
Ion Ratio Lower Upper

96 100

61 147.7 123.4 185.2

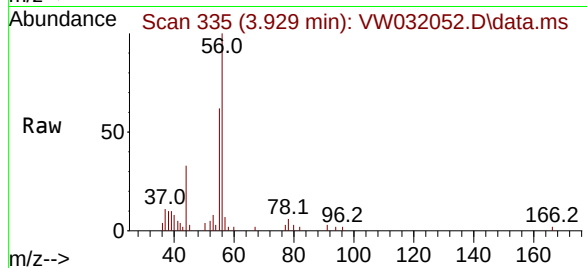
98 56.0 49.5 74.3





#13
Acrolein
Concen: 29.207 ug/l
RT: 3.929 min Scan# 31
Delta R.T. -0.000 min
Lab File: VW032052.D
Acq: 11 Aug 2025 08:25

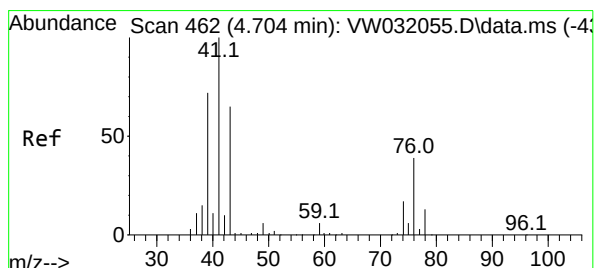
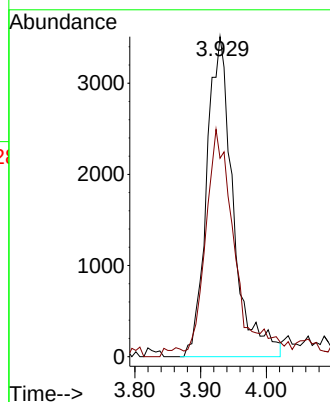
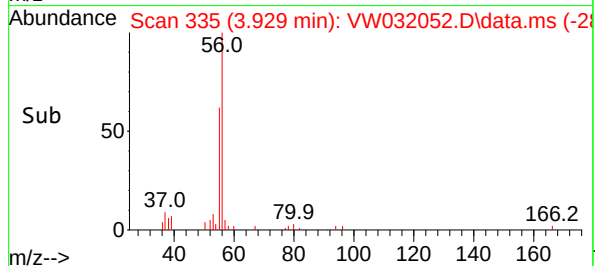
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005



Tgt Ion: 56 Resp: 983
Ion Ratio Lower Upper
56 100
55 78.5 55.4 83.2

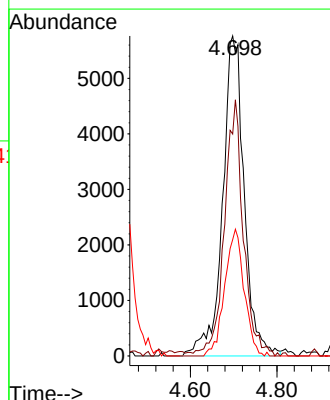
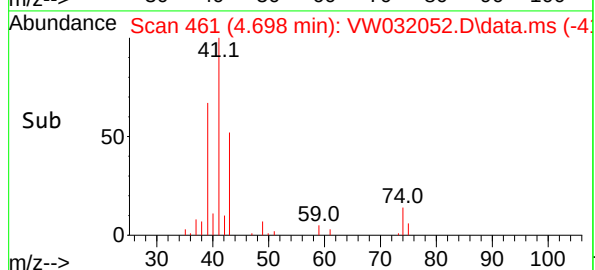
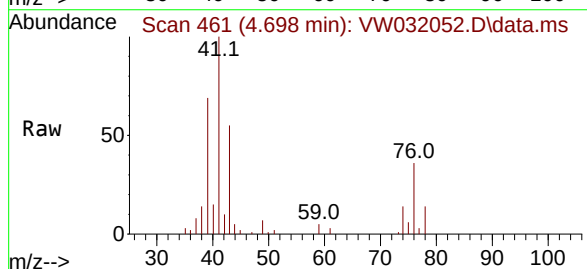
Manual Integrations
APPROVED

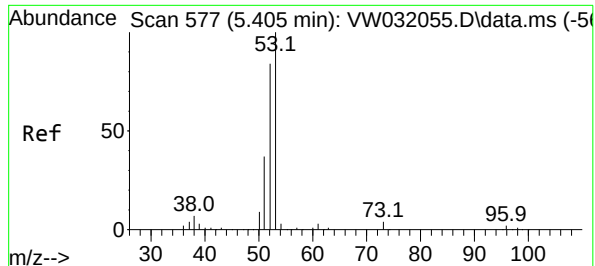
Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025



#14
Allyl chloride
Concen: 5.023 ug/l
RT: 4.698 min Scan# 461
Delta R.T. -0.006 min
Lab File: VW032052.D
Acq: 11 Aug 2025 08:25

Tgt Ion: 41 Resp: 19999
Ion Ratio Lower Upper
41 100
39 70.2 54.5 81.7
76 35.7 29.3 43.9





#15

Acrylonitrile

Concen: 24.751 ug/l

RT: 5.399 min Scan# 51

Delta R.T. -0.006 min

Lab File: VW032052.D

Acq: 11 Aug 2025 08:25

Instrument :

MSVOA_W

ClientSampleId :

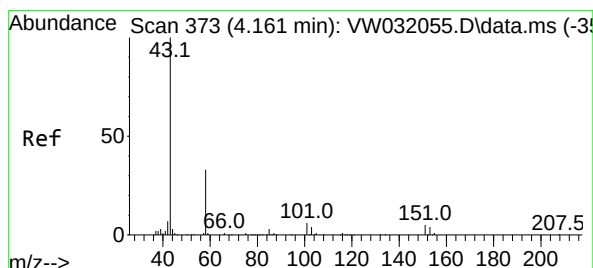
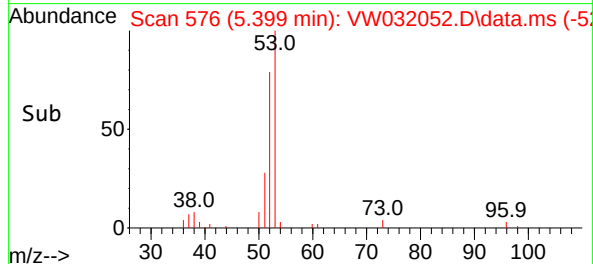
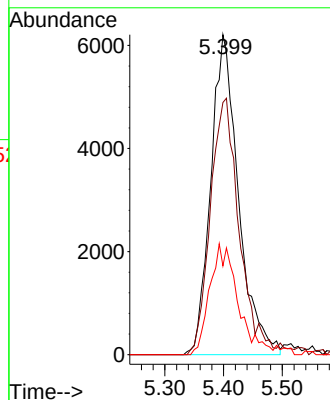
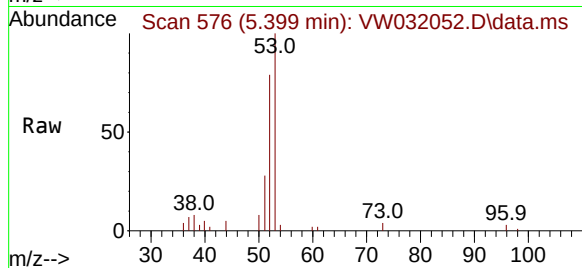
VSTDICC005

Tgt Ion:	53	Resp:	20340
Ion	Ratio	Lower	Upper
53	100		
52	83.0	66.1	99.1
51	35.2	29.2	43.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025



#16

Acetone

Concen: 30.337 ug/l

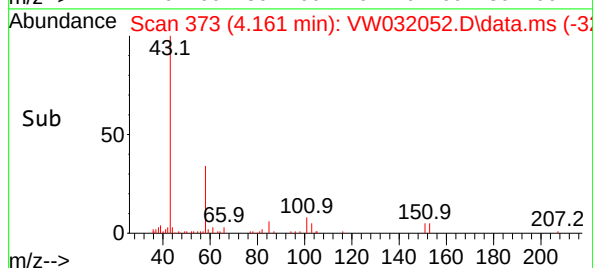
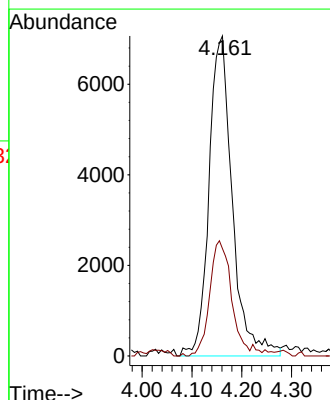
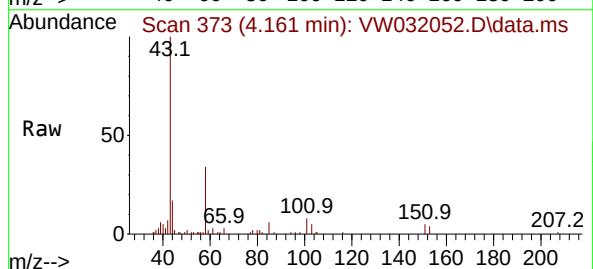
RT: 4.161 min Scan# 373

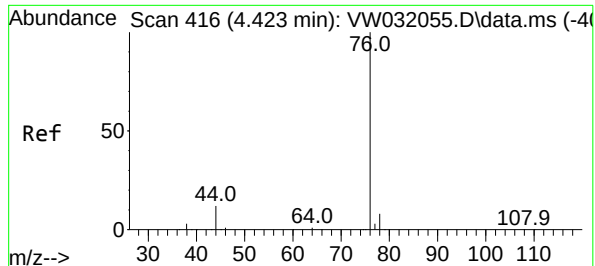
Delta R.T. -0.000 min

Lab File: VW032052.D

Acq: 11 Aug 2025 08:25

Tgt Ion:	43	Resp:	22915
Ion	Ratio	Lower	Upper
43	100		
58	33.5	26.6	39.8





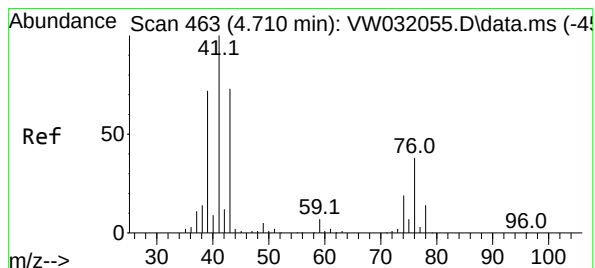
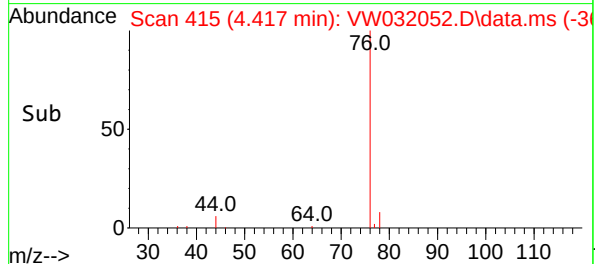
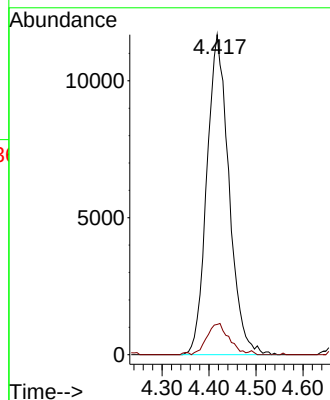
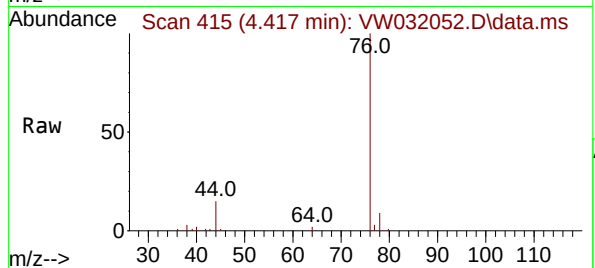
#17
Carbon Disulfide
Concen: 5.204 ug/l
RT: 4.417 min Scan# 415
Delta R.T. -0.006 min
Lab File: VW032052.D
Acq: 11 Aug 2025 08:25

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Tgt Ion: 76 Resp: 3821
Ion Ratio Lower Upper
76 100
78 9.4 6.4 9.6

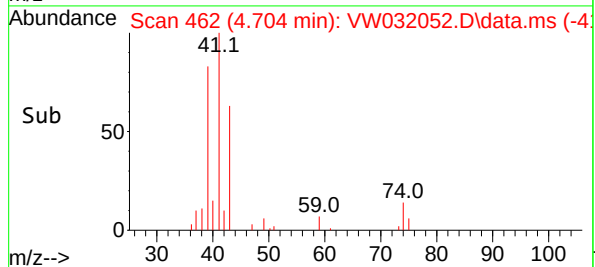
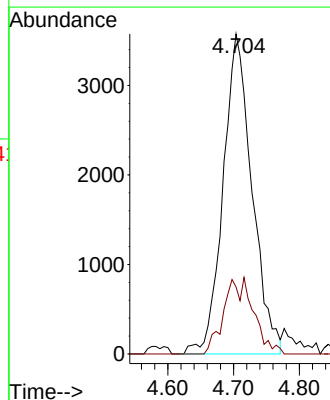
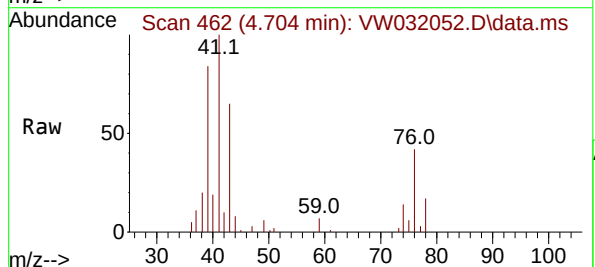
Manual Integrations
APPROVED

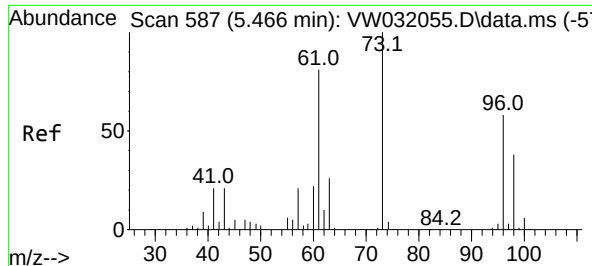
Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025



#18
Methyl Acetate
Concen: 4.578 ug/l
RT: 4.704 min Scan# 462
Delta R.T. -0.006 min
Lab File: VW032052.D
Acq: 11 Aug 2025 08:25

Tgt Ion: 43 Resp: 10943
Ion Ratio Lower Upper
43 100
74 13.7 20.6 31.0#





#19

Methyl tert-butyl Ether

Concen: 4.785 ug/l

RT: 5.460 min Scan# 51

Delta R.T. -0.006 min

Lab File: VW032052.D

Acq: 11 Aug 2025 08:25

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC005

Tgt Ion: 73 Resp: 2306

Ion Ratio Lower Upper

73 100

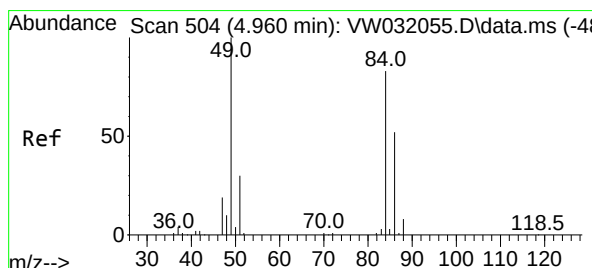
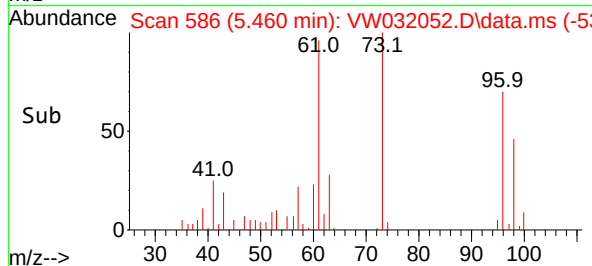
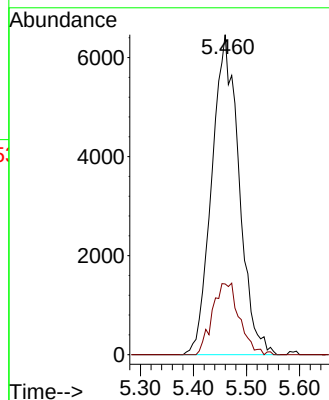
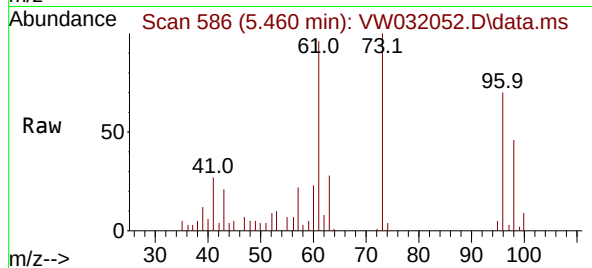
57 22.1 17.2 25.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025

Supervised By :Semsettin Yesilyurt 08/12/2025



#20

Methylene Chloride

Concen: 6.737 ug/l

RT: 4.954 min Scan# 503

Delta R.T. -0.006 min

Lab File: VW032052.D

Acq: 11 Aug 2025 08:25

Tgt Ion: 84 Resp: 23529

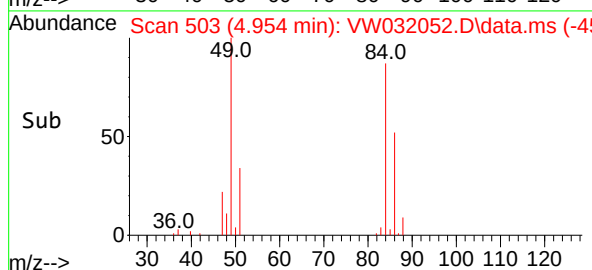
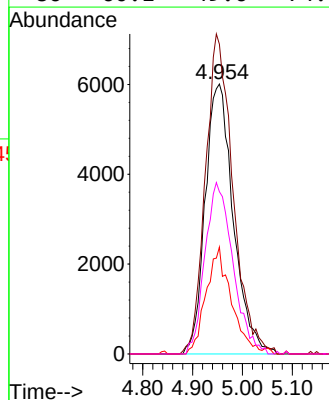
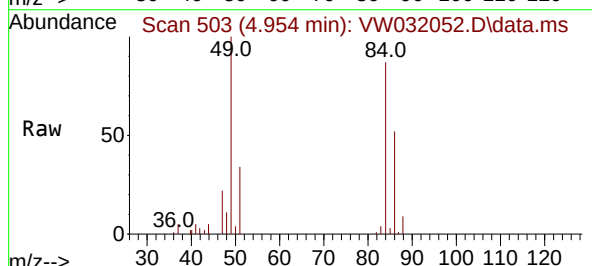
Ion Ratio Lower Upper

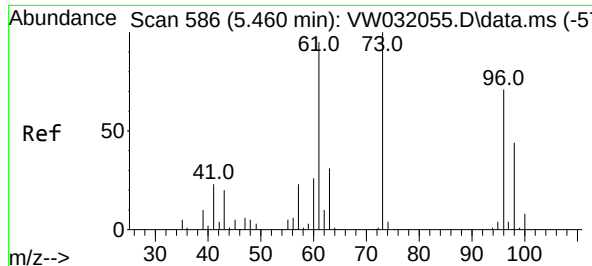
84 100

49 114.8 95.9 143.9

51 39.6 28.6 43.0

86 60.1 49.6 74.4





#21

trans-1,2-Dichloroethene

Concen: 5.053 ug/l

RT: 5.454 min Scan# 586

Delta R.T. -0.006 min

Lab File: VW032052.D

Acq: 11 Aug 2025 08:25

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tgt Ion: 96 Resp: 1467

Ion Ratio Lower Upper

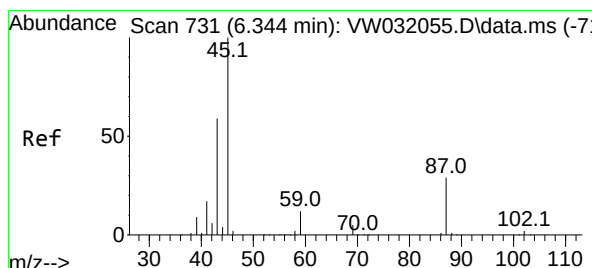
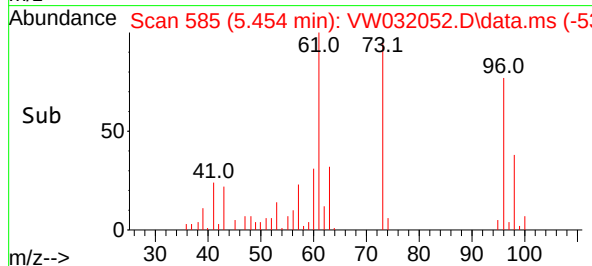
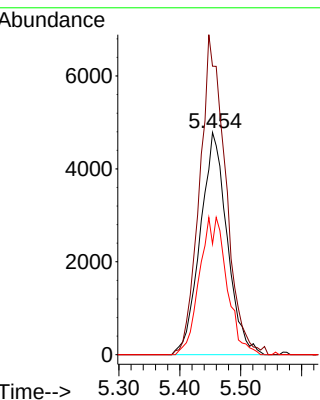
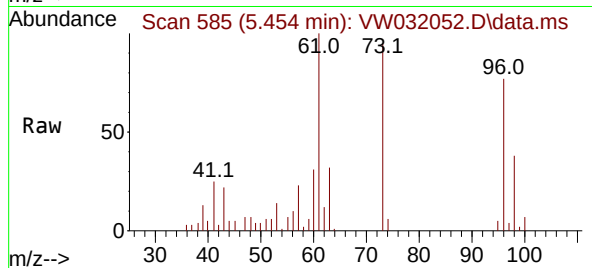
96 100

61 129.9 106.8 160.2

98 49.8 49.6 74.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025

#22

Diisopropyl ether

Concen: 4.634 ug/l

RT: 6.338 min Scan# 730

Delta R.T. -0.006 min

Lab File: VW032052.D

Acq: 11 Aug 2025 08:25

Tgt Ion: 45 Resp: 38895

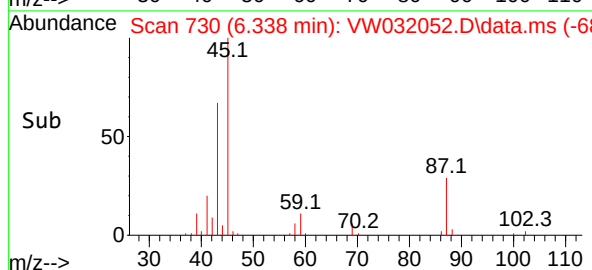
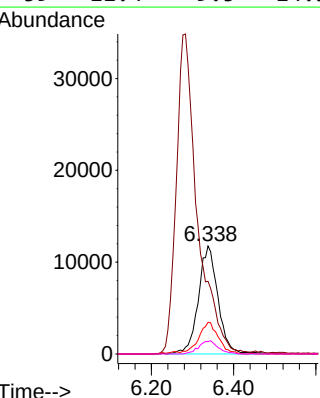
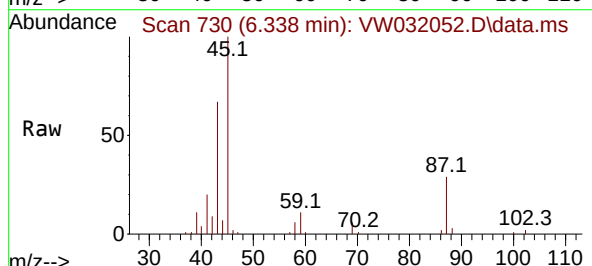
Ion Ratio Lower Upper

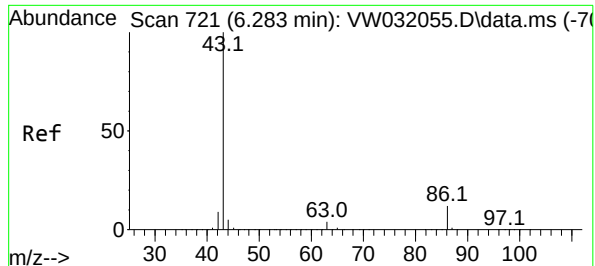
45 100

43 66.3 47.0 70.4

87 29.4 23.8 35.8

59 11.4 9.5 14.3





#23

Vinyl Acetate

Concen: 22.588 ug/l

RT: 6.283 min Scan# 715

Delta R.T. -0.000 min

Lab File: VW032052.D

Acq: 11 Aug 2025 08:25

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tgt Ion: 43 Resp: 12447

Ion Ratio Lower Upper

43

100

86

10.9

9.4

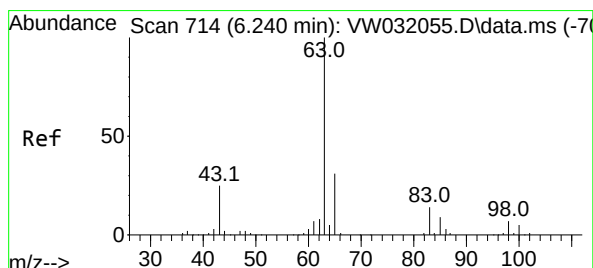
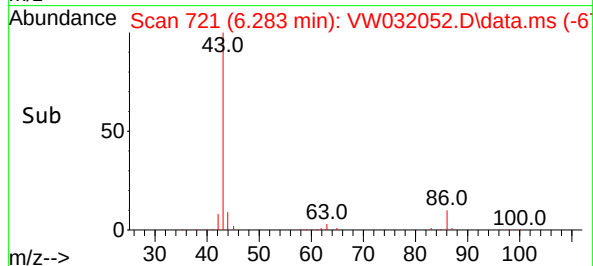
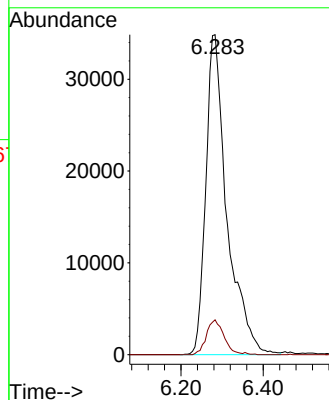
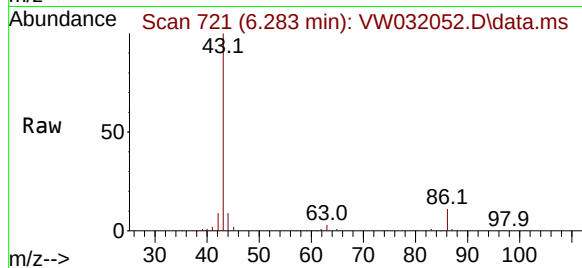
14.0

Manual Integrations

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Reviewed By :Mahesh Dadoda 08/12/2025

Supervised By :Semsettin Yesilyurt 08/12/2025



#24

1,1-Dichloroethane

Concen: 5.018 ug/l

RT: 6.246 min Scan# 715

Delta R.T. 0.006 min

Lab File: VW032052.D

Acq: 11 Aug 2025 08:25

Tgt Ion: 63 Resp: 26909

Ion Ratio Lower Upper

63

100

98

7.8

3.7

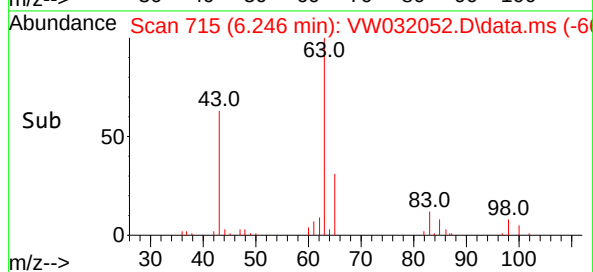
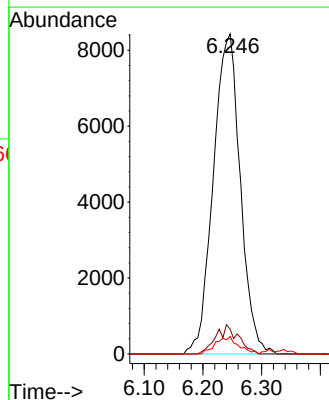
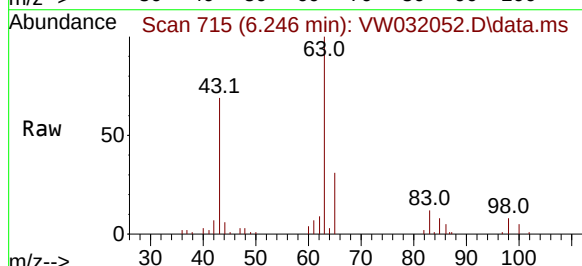
11.1

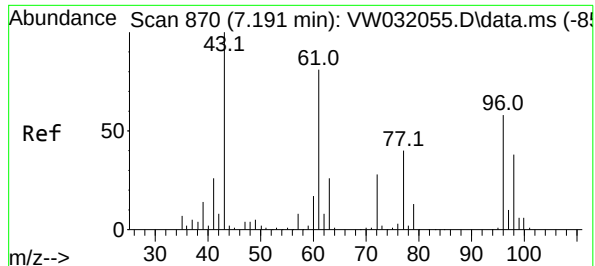
100

5.4

2.5

7.4





#25

2-Butanone

Concen: 24.484 ug/l

RT: 7.197 min Scan# 81

Delta R.T. 0.006 min

Lab File: VW032052.D

Acq: 11 Aug 2025 08:25

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tgt Ion: 43 Resp: 26284

Ion Ratio Lower Upper

43 100

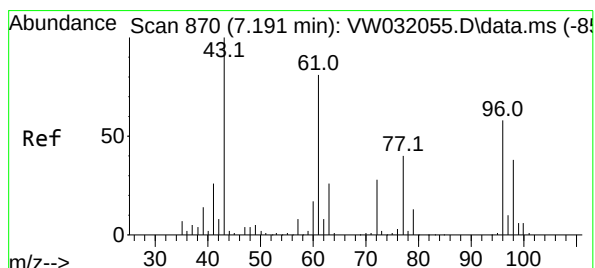
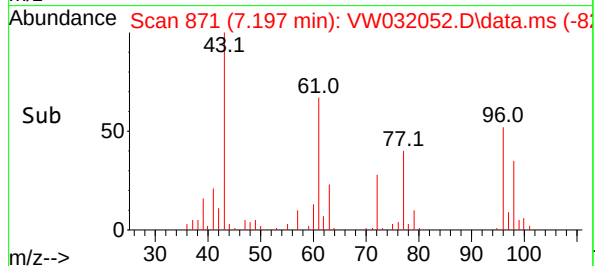
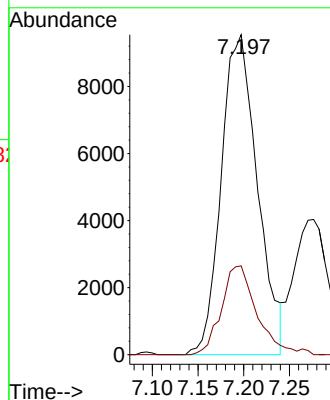
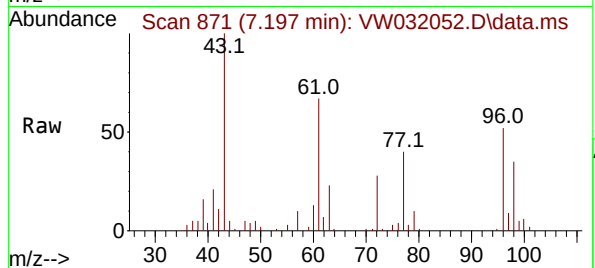
72 27.8 22.3 33.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025

Supervised By :Semsettin Yesilyurt 08/12/2025



#26

2,2-Dichloropropane

Concen: 5.326 ug/l

RT: 7.185 min Scan# 869

Delta R.T. -0.006 min

Lab File: VW032052.D

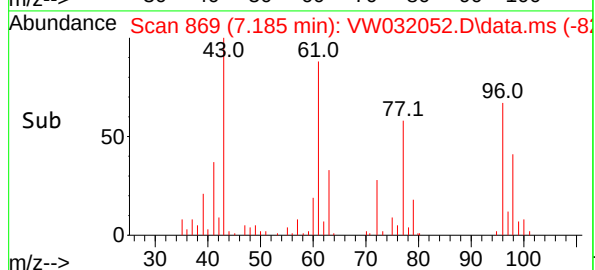
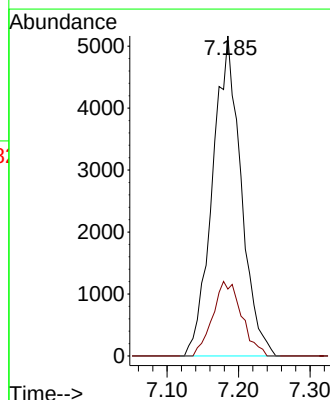
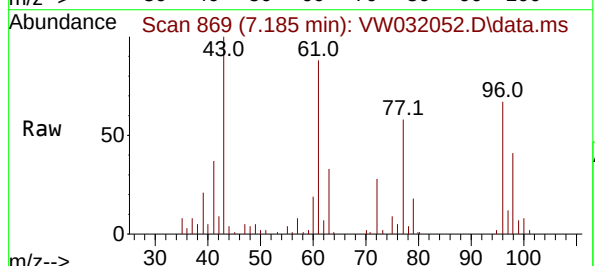
Acq: 11 Aug 2025 08:25

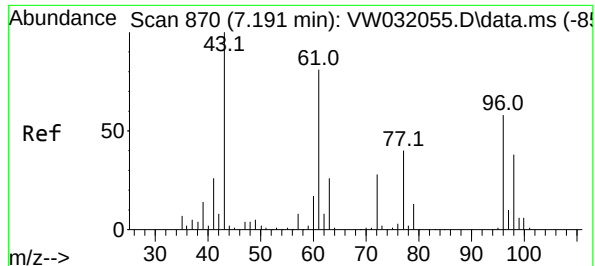
Tgt Ion: 77 Resp: 14330

Ion Ratio Lower Upper

77 100

97 23.6 12.3 36.9





#27

cis-1,2-Dichloroethene

Concen: 4.727 ug/l

RT: 7.191 min Scan# 870

Delta R.T. -0.000 min

Lab File: VW032052.D

Acq: 11 Aug 2025 08:25

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tgt Ion: 96 Resp: 1604

Ion Ratio Lower Upper

96 100

61 138.1 0.0 281.2

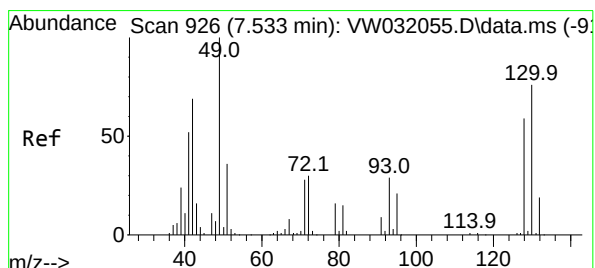
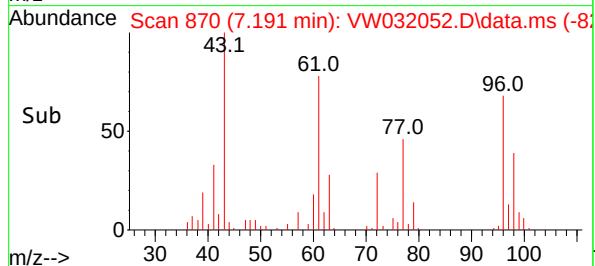
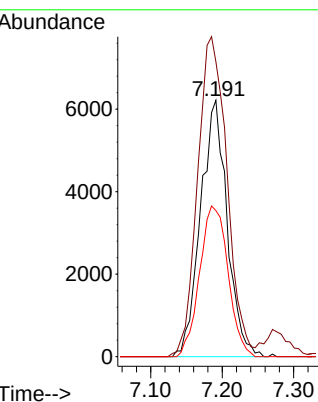
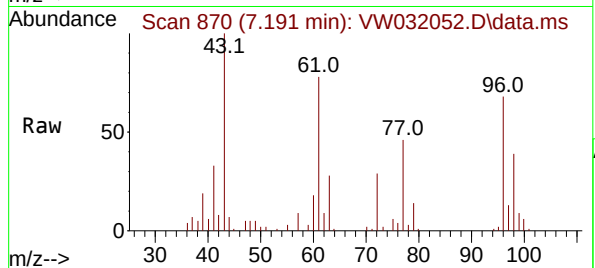
98 62.9 0.0 130.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025

Supervised By :Semsettin Yesilyurt 08/12/2025



#28

Bromochloromethane

Concen: 5.188 ug/l

RT: 7.526 min Scan# 925

Delta R.T. -0.006 min

Lab File: VW032052.D

Acq: 11 Aug 2025 08:25

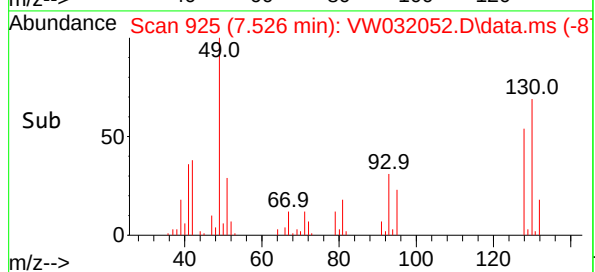
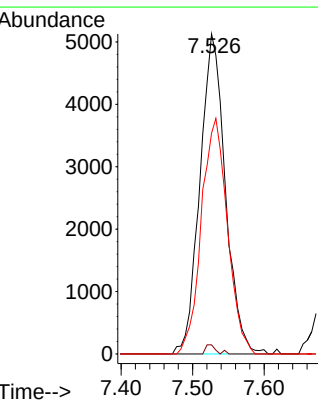
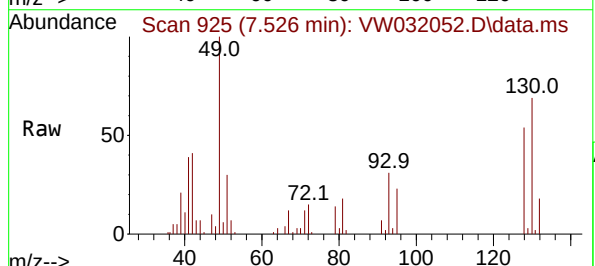
Tgt Ion: 49 Resp: 12660

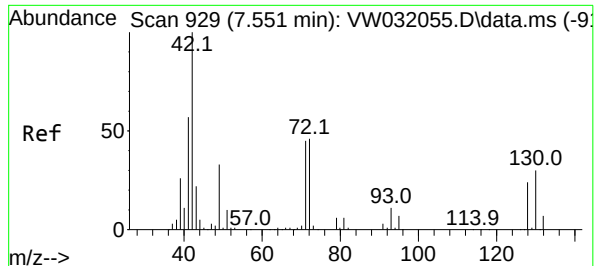
Ion Ratio Lower Upper

49 100

129 1.2 0.0 4.2

130 75.4 61.9 92.9





#29

Tetrahydrofuran

Concen: 23.963 ug/l

RT: 7.551 min Scan# 91

Delta R.T. -0.000 min

Lab File: VW032052.D

Acq: 11 Aug 2025 08:25

Instrument :

MSVOA_W

ClientSampleId :

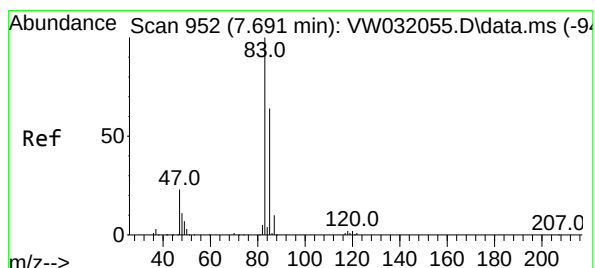
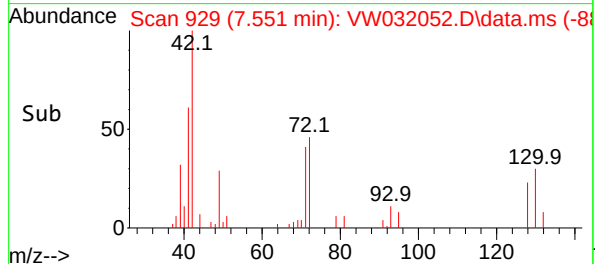
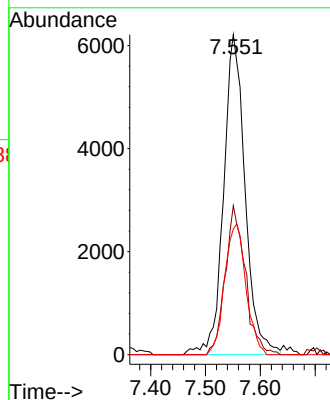
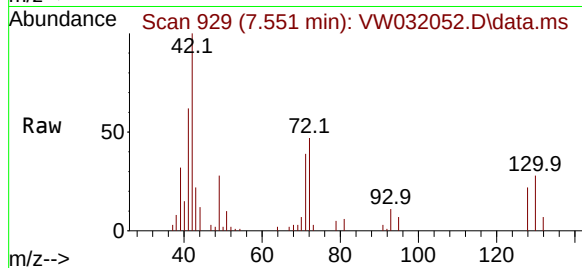
VSTDIC005

Tgt Ion:	42	Resp:	1696
Ion	Ratio	Lower	Upper
42	100		
72	43.6	36.6	55.0
71	40.3	34.7	52.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025



#30

Chloroform

Concen: 5.028 ug/l

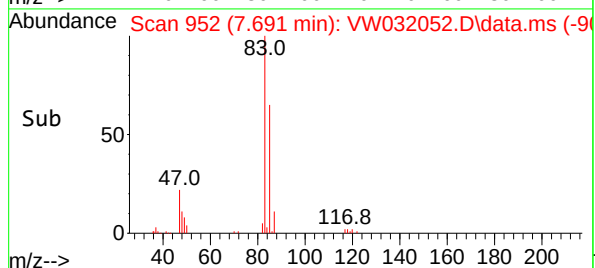
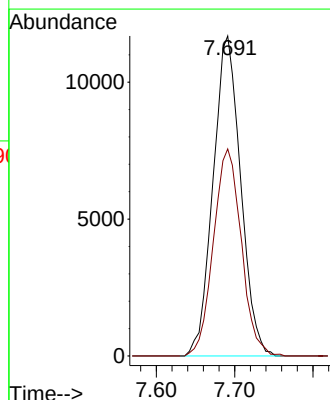
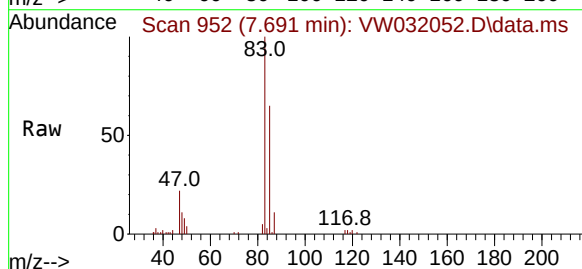
RT: 7.691 min Scan# 952

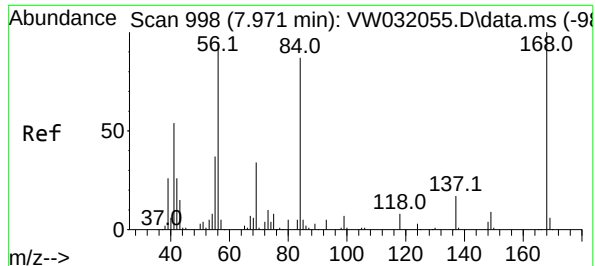
Delta R.T. -0.000 min

Lab File: VW032052.D

Acq: 11 Aug 2025 08:25

Tgt Ion:	83	Resp:	28586
Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.0	76.4





#31

Cyclohexane

Concen: 5.677 ug/l

RT: 7.959 min Scan# 996

Delta R.T. -0.012 min

Lab File: VW032052.D

Acq: 11 Aug 2025 08:25

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tgt Ion: 56 Resp: 2639

Ion Ratio Lower Upper

56 100

69 69.7 28.6 42.8

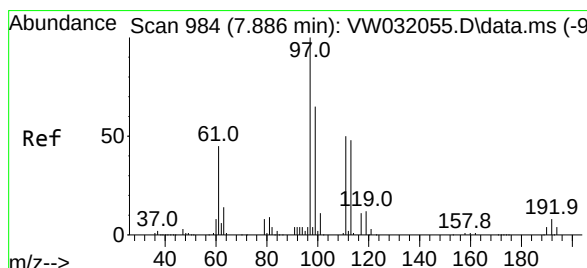
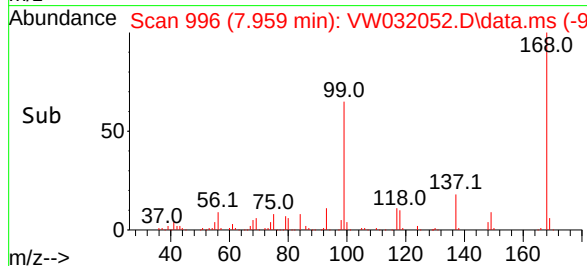
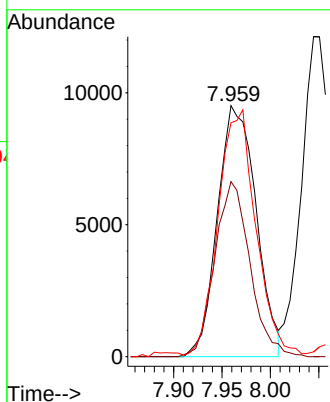
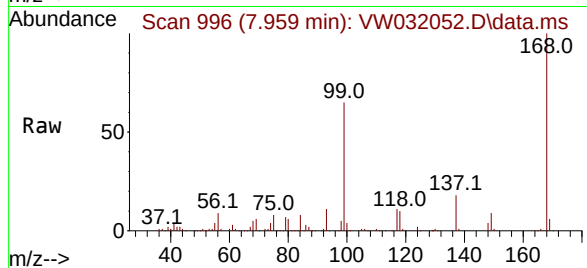
84 91.7 73.0 109.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025

Supervised By :Semsettin Yesilyurt 08/12/2025



#32

1,1,1-Trichloroethane

Concen: 5.246 ug/l

RT: 7.880 min Scan# 983

Delta R.T. -0.006 min

Lab File: VW032052.D

Acq: 11 Aug 2025 08:25

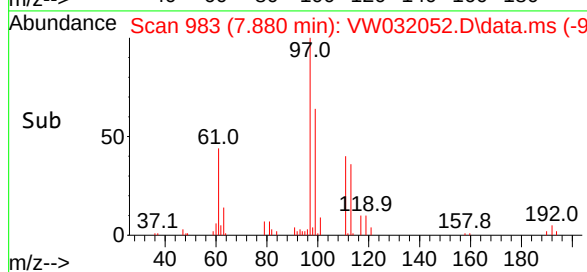
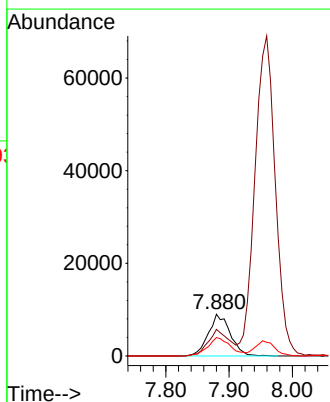
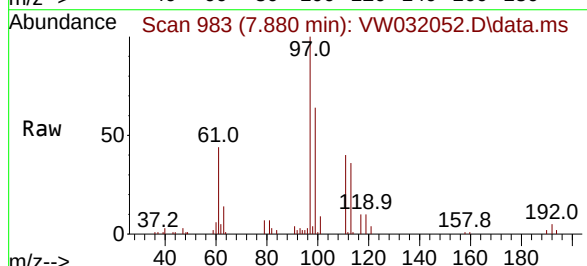
Tgt Ion: 97 Resp: 21662

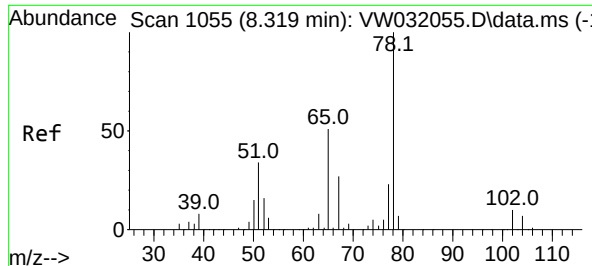
Ion Ratio Lower Upper

97 100

99 60.6 51.8 77.8

61 46.4 35.9 53.9





#33

1,2-Dichloroethane-d4

Concen: 5.158 ug/l

RT: 8.313 min Scan# 1055

Delta R.T. -0.006 min

Lab File: VW032052.D

Acq: 11 Aug 2025 08:25

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tgt Ion: 65 Resp: 1682

Ion Ratio Lower Upper

65 100

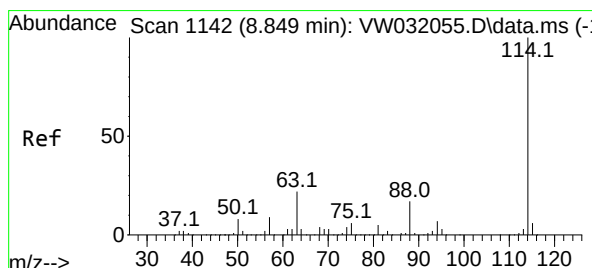
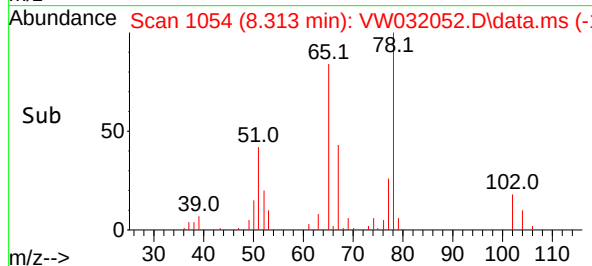
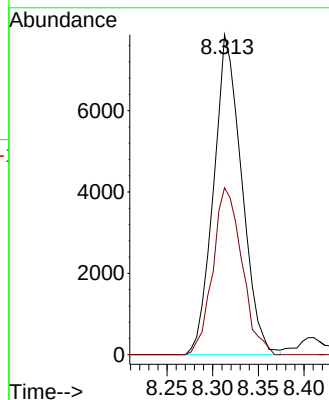
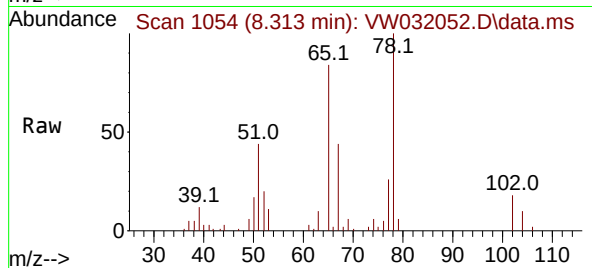
67 54.0 0.0 102.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025

Supervised By :Semsettin Yesilyurt 08/12/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.849 min Scan# 1142

Delta R.T. -0.000 min

Lab File: VW032052.D

Acq: 11 Aug 2025 08:25

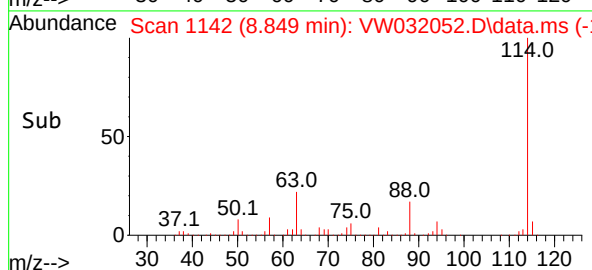
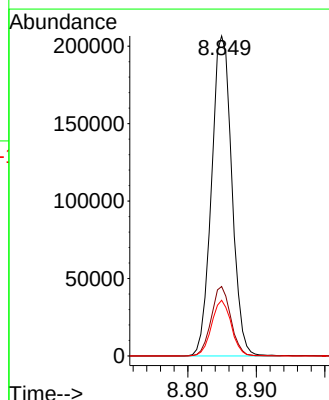
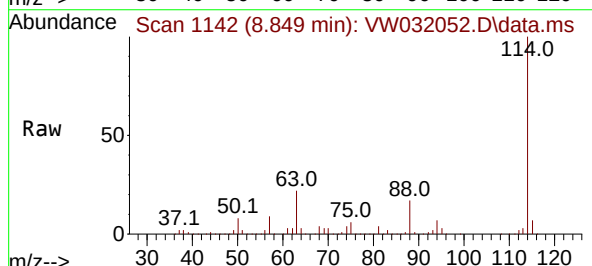
Tgt Ion:114 Resp: 424617

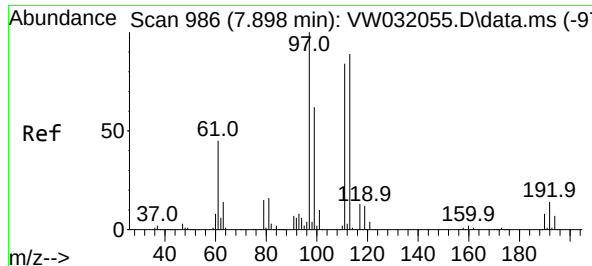
Ion Ratio Lower Upper

114 100

63 21.7 0.0 43.0

88 17.4 0.0 33.8





#35

Dibromofluoromethane

Concen: 5.205 ug/l

RT: 7.898 min Scan# 986

Delta R.T. -0.000 min

Lab File: VW032052.D

Acq: 11 Aug 2025 08:25

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tgt Ion:113 Resp: 14278

Ion Ratio Lower Upper

113 100

111 109.4 80.1 120.1

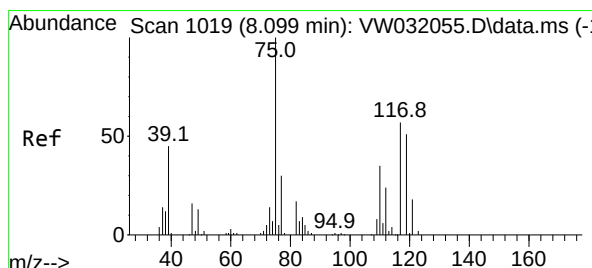
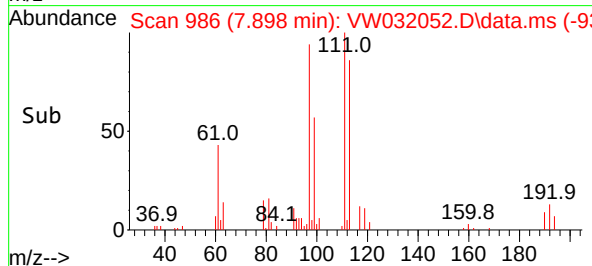
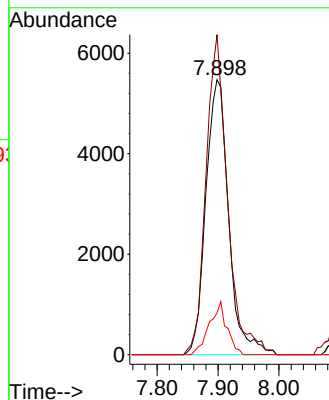
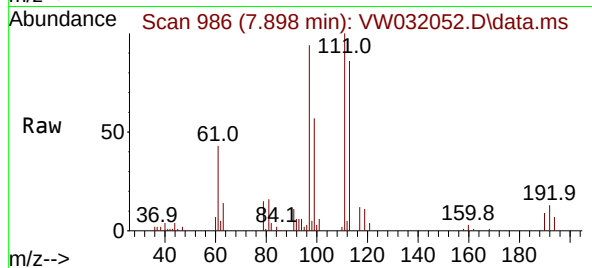
192 14.8 13.1 19.7

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025

Supervised By :Semsettin Yesilyurt 08/12/2025



#36

1,1-Dichloropropene

Concen: 5.034 ug/l

RT: 8.099 min Scan# 1019

Delta R.T. -0.000 min

Lab File: VW032052.D

Acq: 11 Aug 2025 08:25

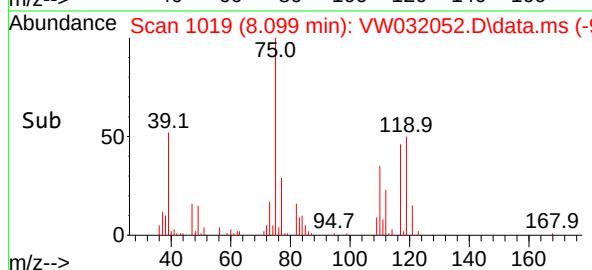
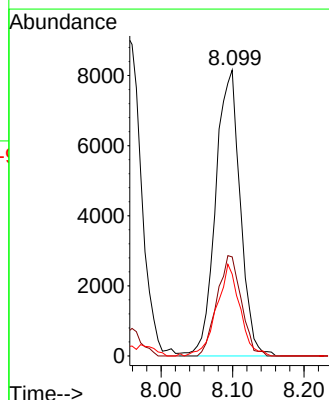
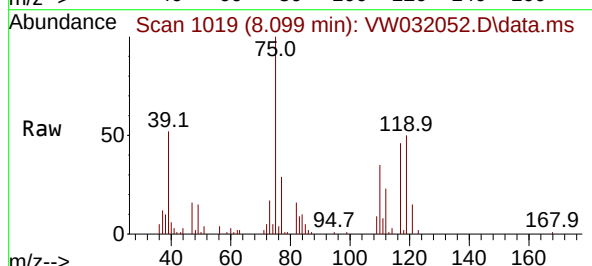
Tgt Ion: 75 Resp: 19468

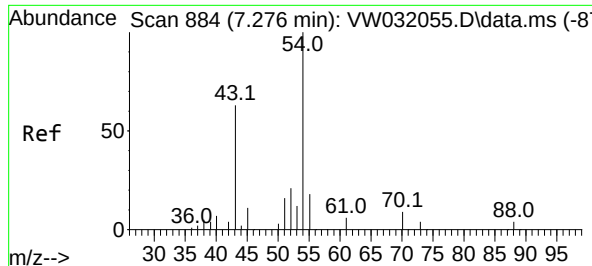
Ion Ratio Lower Upper

75 100

110 34.7 17.4 52.2

77 30.4 24.7 37.1





#37

Ethyl Acetate

Concen: 4.990 ug/l

RT: 7.276 min Scan# 884

Delta R.T. -0.000 min

Lab File: VW032052.D

Acq: 11 Aug 2025 08:25

Instrument :

MSVOA_W

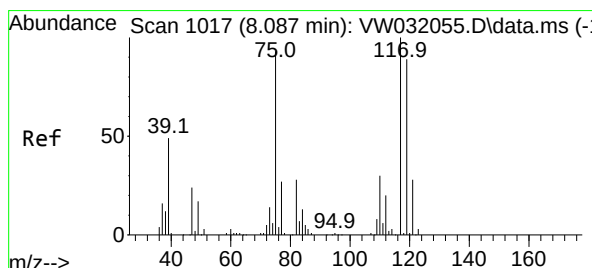
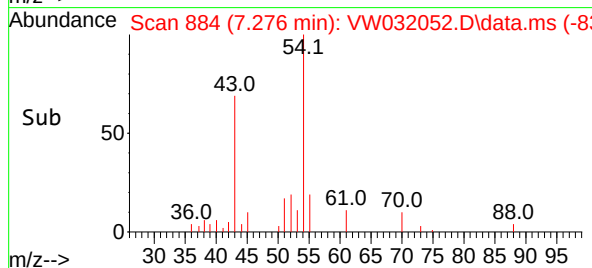
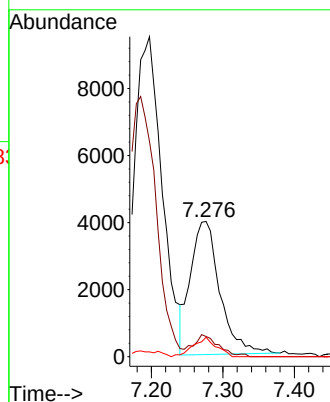
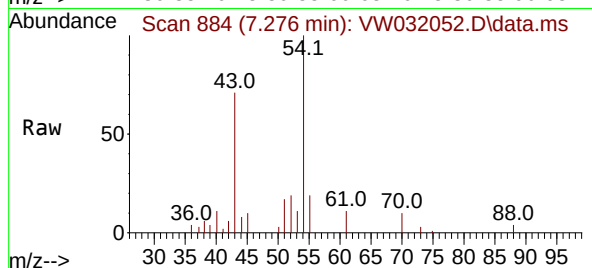
ClientSampleId :

VSTDIC005

Tgt Ion:	43	Resp:	1136
Ion	Ratio	Lower	Upper
43	100		
61	13.9	11.8	17.6
70	11.4	9.4	14.0

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025



#38

Carbon Tetrachloride

Concen: 5.020 ug/l

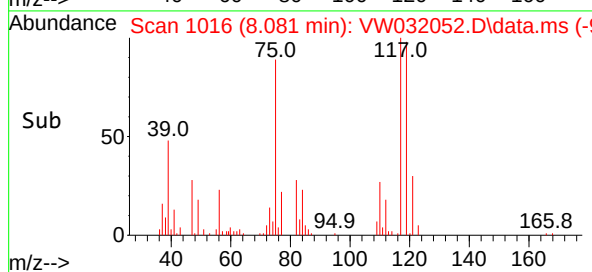
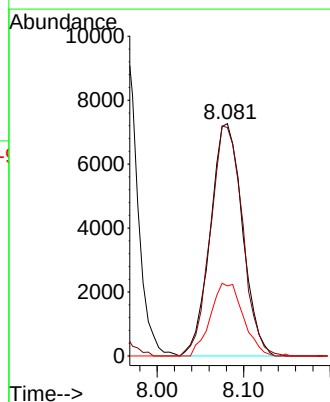
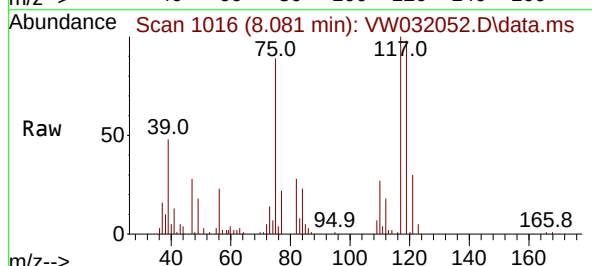
RT: 8.081 min Scan# 1016

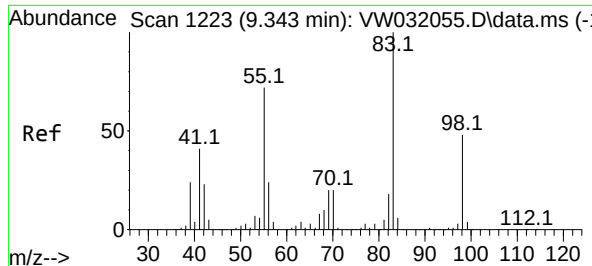
Delta R.T. -0.006 min

Lab File: VW032052.D

Acq: 11 Aug 2025 08:25

Tgt Ion:	117	Resp:	18734
Ion	Ratio	Lower	Upper
117	100		
119	98.3	71.4	107.2
121	30.2	22.3	33.5





#39

Methylcyclohexane

Concen: 4.728 ug/l

RT: 9.337 min Scan# 11

Delta R.T. -0.006 min

Lab File: VW032052.D

Acq: 11 Aug 2025 08:25

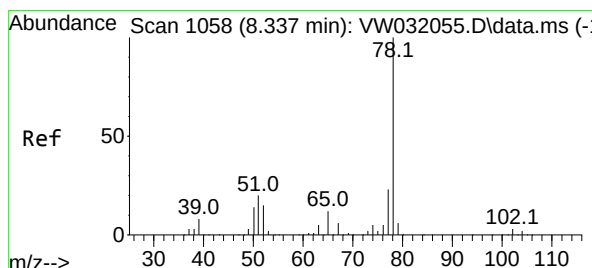
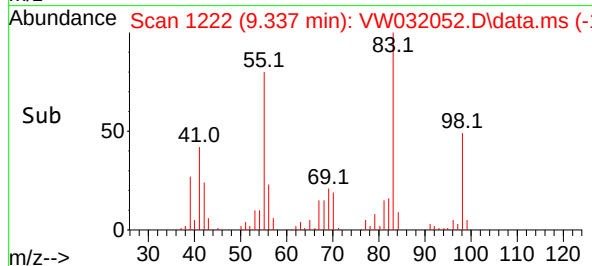
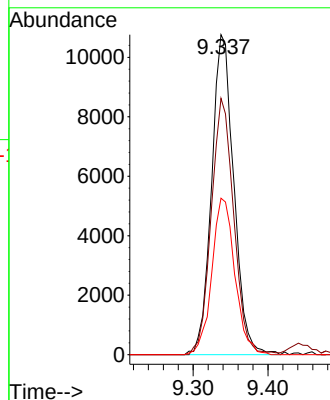
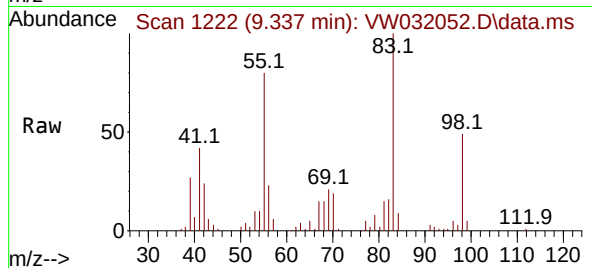
Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tgt Ion:	83	Resp:	22284
Ion	Ratio	Lower	Upper
83	100		
55	80.1	57.9	86.9
98	48.9	38.3	57.5

Manual Integrations
APPROVEDReviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025

#40

Benzene

Concen: 4.941 ug/l

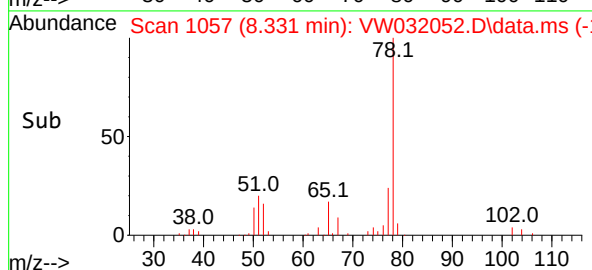
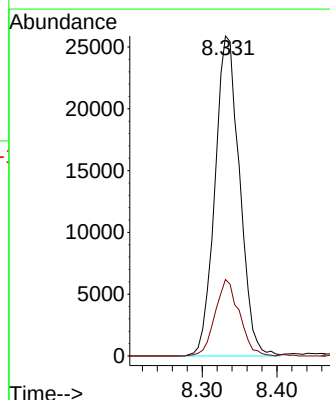
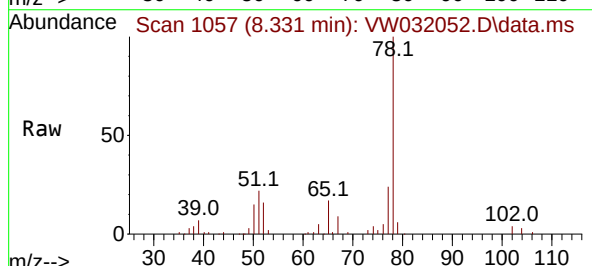
RT: 8.331 min Scan# 1057

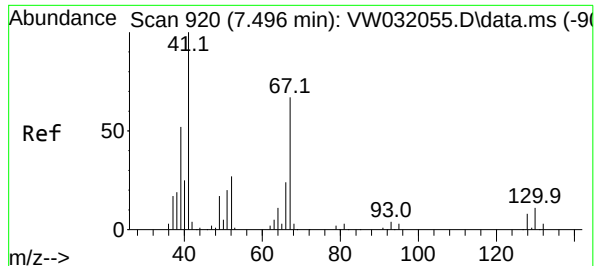
Delta R.T. -0.006 min

Lab File: VW032052.D

Acq: 11 Aug 2025 08:25

Tgt Ion:	78	Resp:	59395
Ion	Ratio	Lower	Upper
78	100		
77	23.9	18.4	27.6





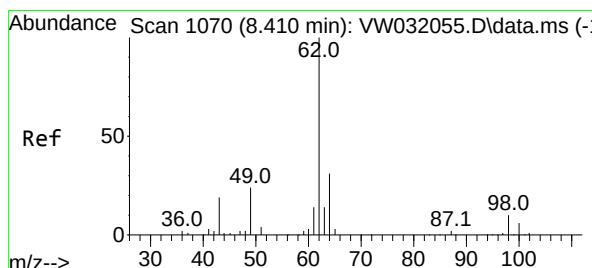
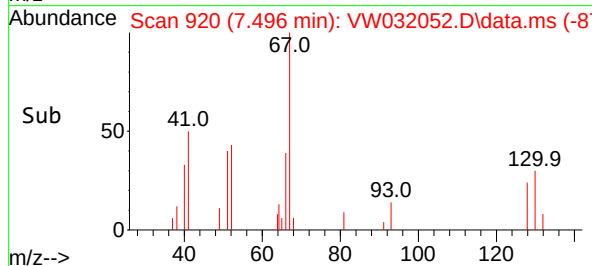
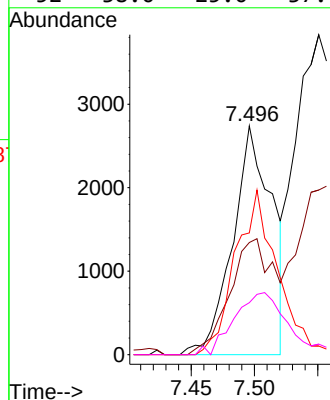
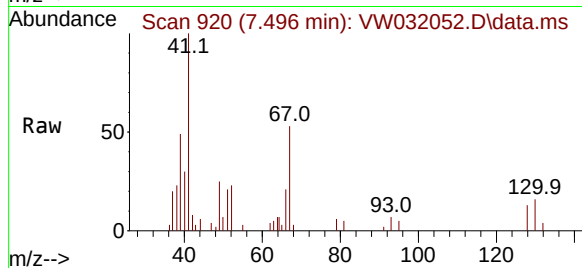
#41
Methacrylonitrile
Concen: 4.576 ug/l
RT: 7.496 min Scan# 91
Delta R.T. -0.000 min
Lab File: VW032052.D
Acq: 11 Aug 2025 08:25

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tgt Ion:	41	Resp:	5910
Ion	Ratio	Lower	Upper
41	100		
39	57.0	42.6	63.8
67	78.0	61.0	91.4
52	38.0	25.0	37.4

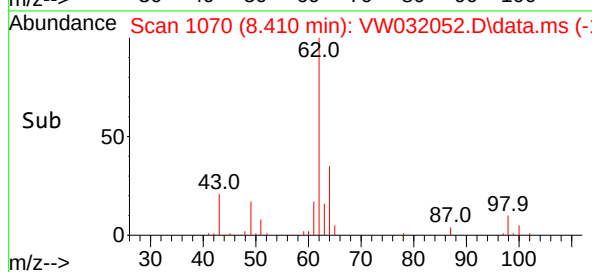
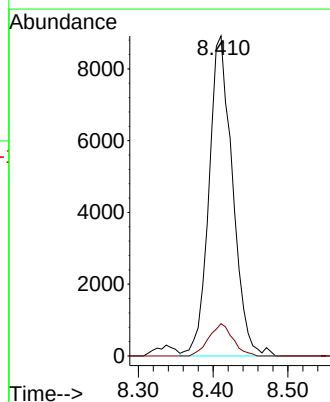
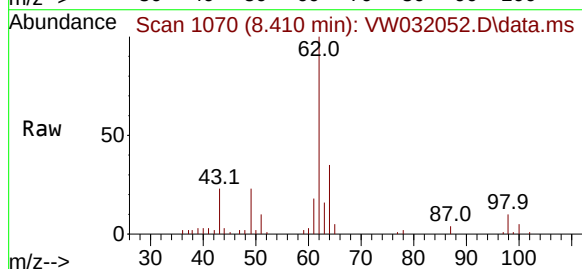
Manual Integrations
APPROVED

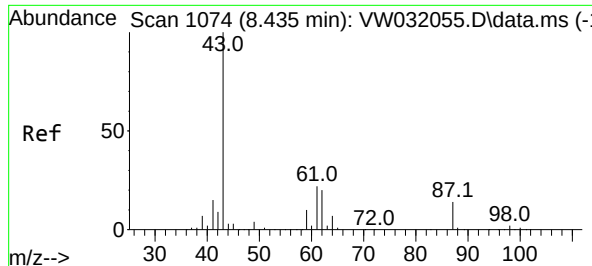
Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025



#42
1,2-Dichloroethane
Concen: 5.085 ug/l
RT: 8.410 min Scan# 1070
Delta R.T. -0.000 min
Lab File: VW032052.D
Acq: 11 Aug 2025 08:25

Tgt Ion:	62	Resp:	19560
Ion	Ratio	Lower	Upper
62	100		
98	10.2	0.0	19.8





#43

Isopropyl Acetate

Concen: 4.756 ug/l

RT: 8.435 min Scan# 1074

Delta R.T. -0.000 min

Lab File: VW032052.D

Acq: 11 Aug 2025 08:25

Instrument :

MSVOA_W

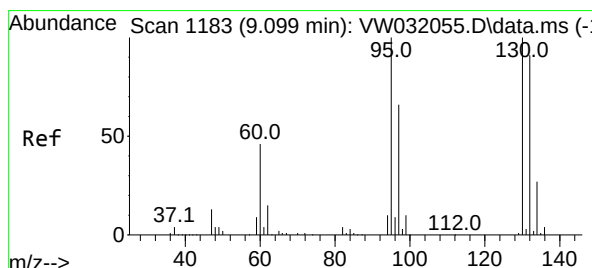
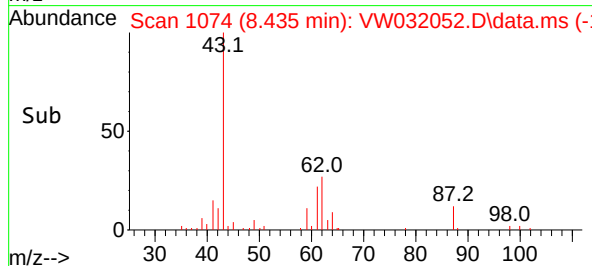
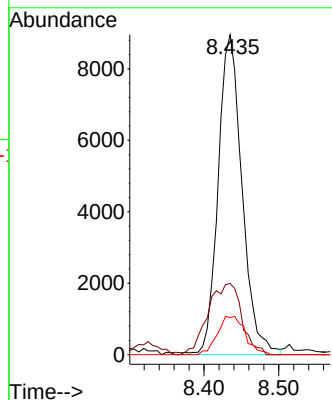
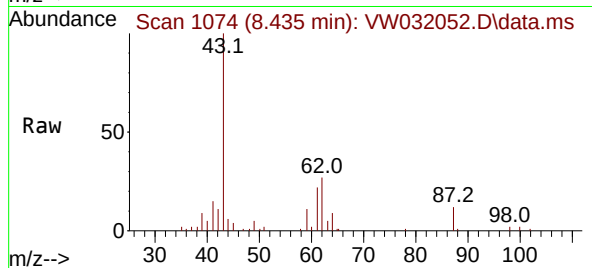
ClientSampleId :

VSTDIC005

Tgt Ion: 43	Resp: 19928
Ion Ratio	Lower Upper
43	100
61	31.3 23.8 35.8
87	13.9 11.7 17.5

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025



#44

Trichloroethene

Concen: 5.240 ug/l

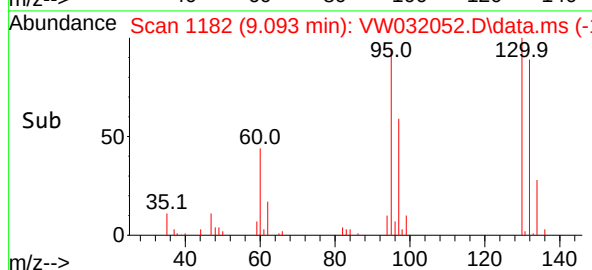
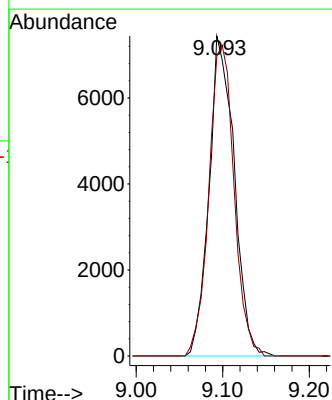
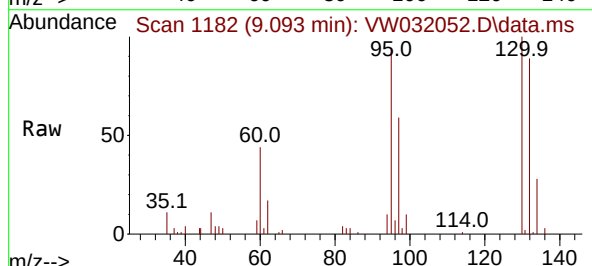
RT: 9.093 min Scan# 1182

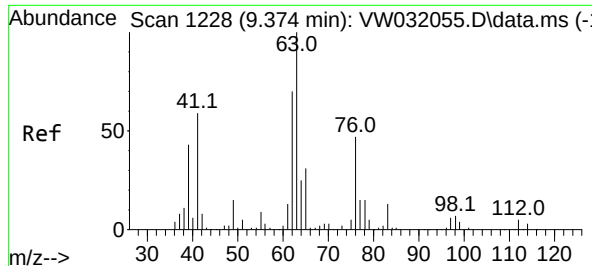
Delta R.T. -0.006 min

Lab File: VW032052.D

Acq: 11 Aug 2025 08:25

Tgt Ion:130	Resp: 14999
Ion Ratio	Lower Upper
130	100
95	93.7 0.0 200.6





#45

1,2-Dichloropropane

Concen: 4.954 ug/l

RT: 9.374 min Scan# 1228

Delta R.T. -0.000 min

Lab File: VW032052.D

Acq: 11 Aug 2025 08:25

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tgt Ion: 63 Resp: 1438

Ion Ratio Lower Upper

63 100

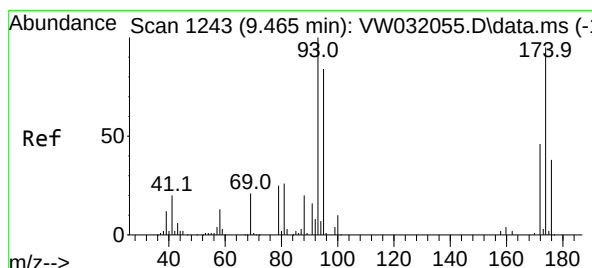
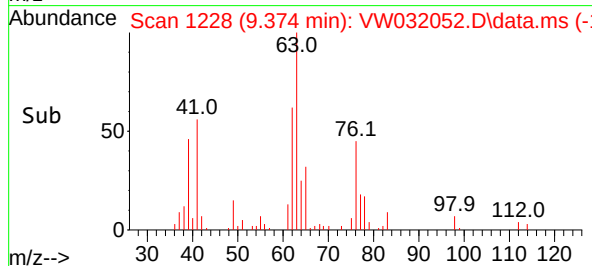
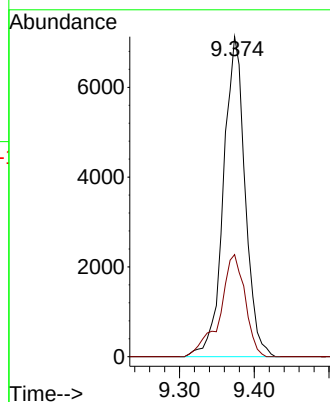
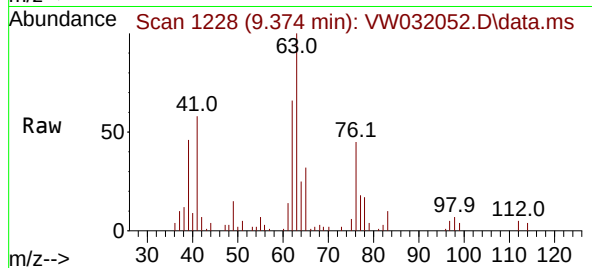
65 31.9 24.6 36.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025

Supervised By :Semsettin Yesilyurt 08/12/2025



#46

Dibromomethane

Concen: 5.204 ug/l

RT: 9.465 min Scan# 1243

Delta R.T. -0.000 min

Lab File: VW032052.D

Acq: 11 Aug 2025 08:25

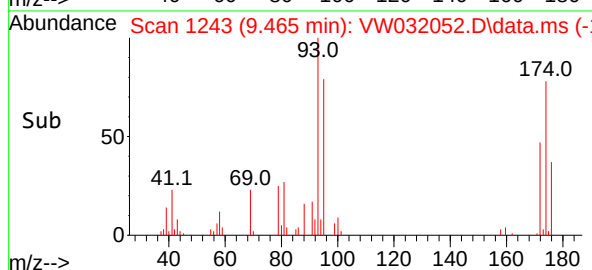
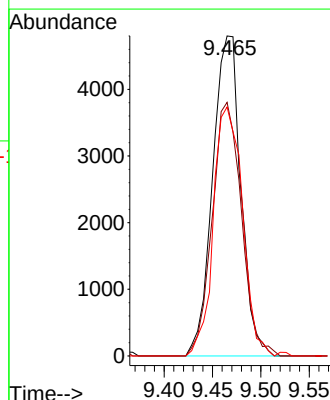
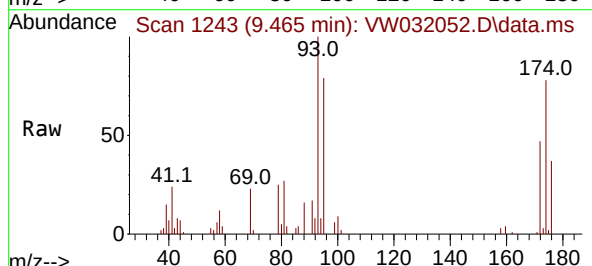
Tgt Ion: 93 Resp: 9753

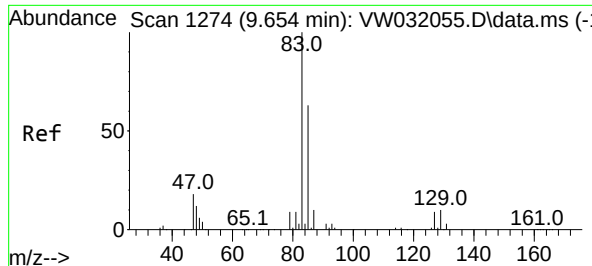
Ion Ratio Lower Upper

93 100

95 82.0 65.3 97.9

174 80.1 68.6 102.8





#47

Bromodichloromethane

Concen: 4.927 ug/l

RT: 9.648 min Scan# 1273

Delta R.T. -0.006 min

Lab File: VW032052.D

Acq: 11 Aug 2025 08:25

Instrument :

MSVOA_W

ClientSampleId :

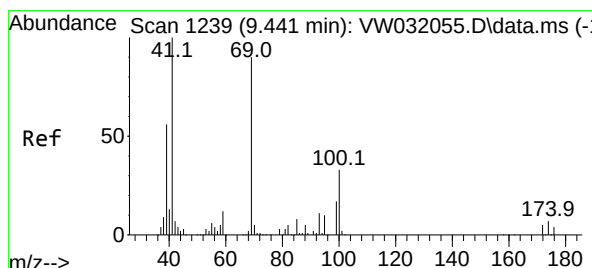
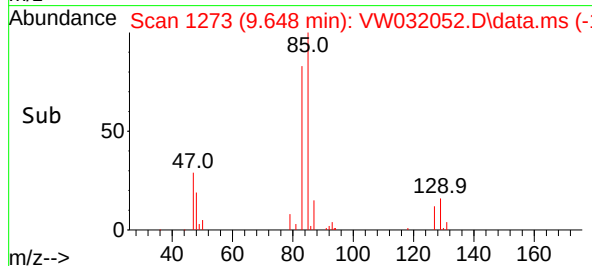
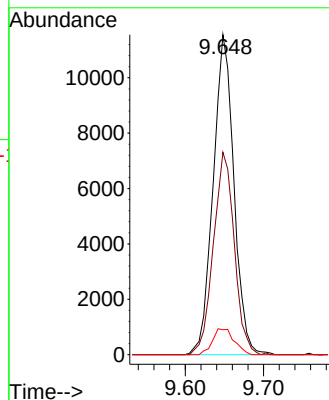
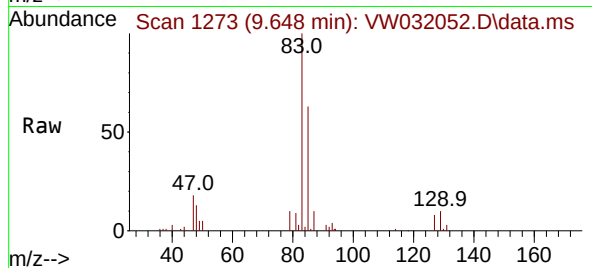
VSTDIC005

Tgt Ion:	83	Resp:	21279
Ion	Ratio	Lower	Upper
83	100		
85	63.3	50.6	75.8
127	7.8	6.9	10.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025



#48

Methyl methacrylate

Concen: 4.424 ug/l

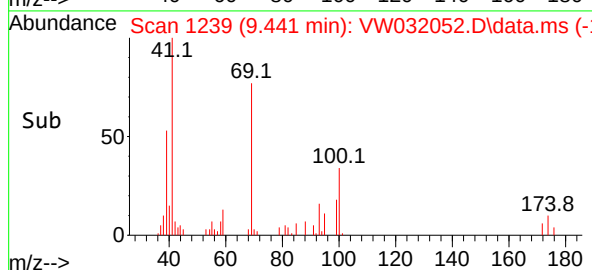
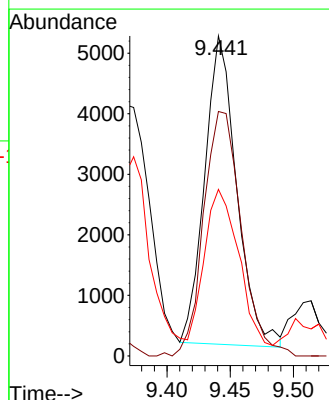
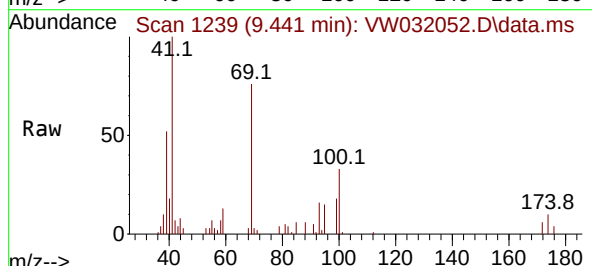
RT: 9.441 min Scan# 1239

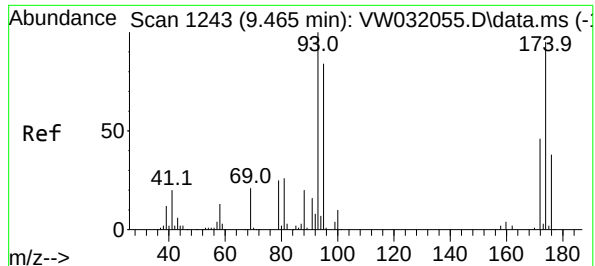
Delta R.T. -0.000 min

Lab File: VW032052.D

Acq: 11 Aug 2025 08:25

Tgt Ion:	41	Resp:	8949
Ion	Ratio	Lower	Upper
41	100		
69	93.4	73.0	109.6
39	53.4	45.0	67.4





#49

1,4-Dioxane

Concen: 93.217 ug/l

RT: 9.465 min Scan# 1243

Delta R.T. -0.000 min

Lab File: VW032052.D

Acq: 11 Aug 2025 08:25

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tgt Ion: 88 Resp: 2259

Ion Ratio Lower Upper

88 100

43 35.9 20.6 30.8

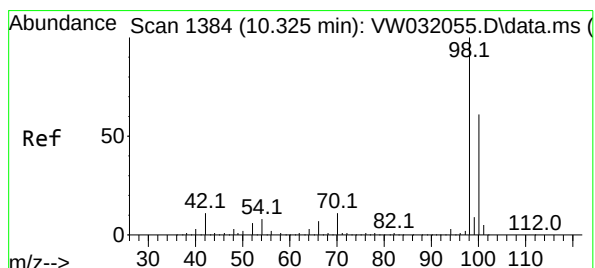
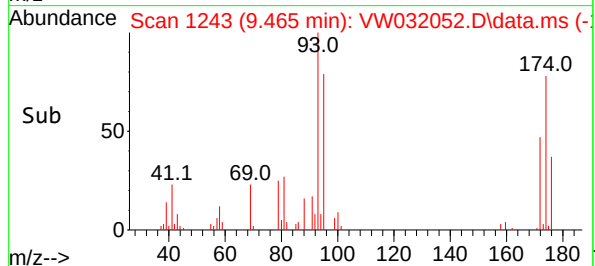
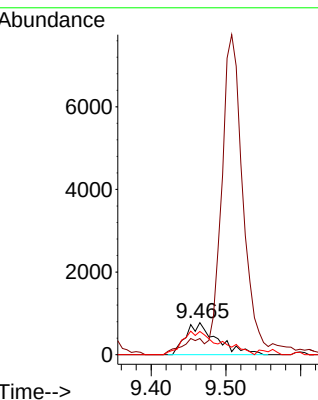
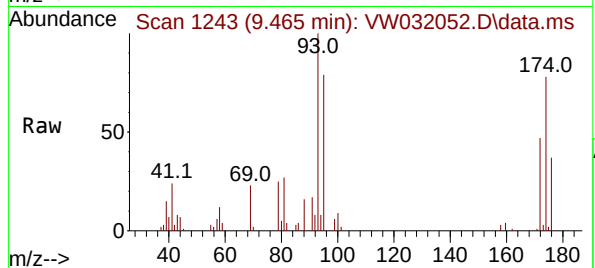
58 87.2 60.4 90.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025

Supervised By :Semsettin Yesilyurt 08/12/2025



#50

Toluene-d8

Concen: 4.916 ug/l

RT: 10.331 min Scan# 1385

Delta R.T. 0.006 min

Lab File: VW032052.D

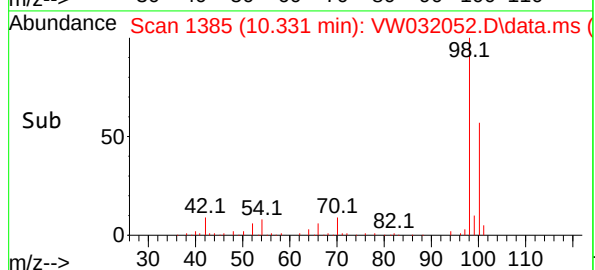
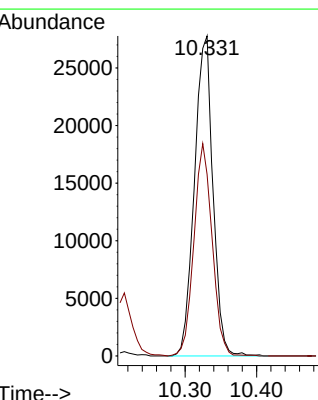
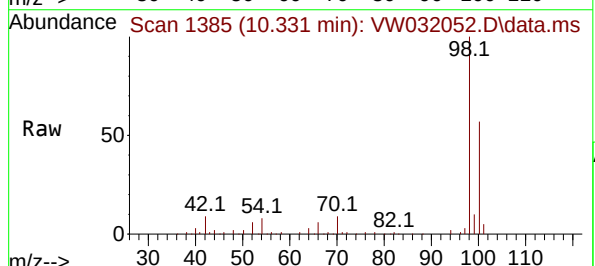
Acq: 11 Aug 2025 08:25

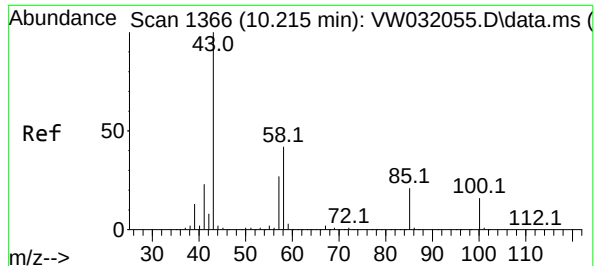
Tgt Ion: 98 Resp: 49876

Ion Ratio Lower Upper

98 100

100 65.4 51.1 76.7





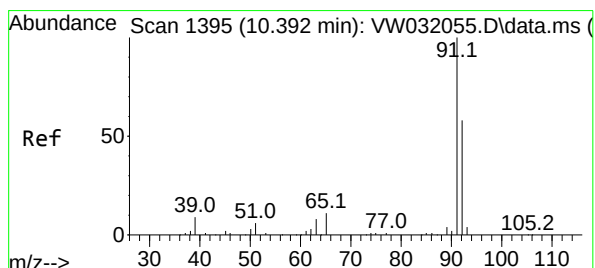
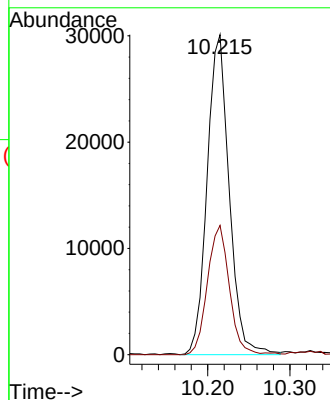
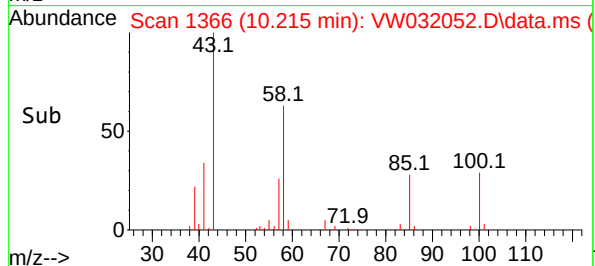
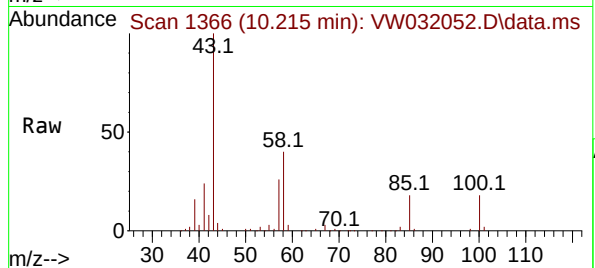
#51
4-Methyl-2-Pentanone
Concen: 23.755 ug/l
RT: 10.215 min Scan# 1366
Delta R.T. -0.000 min
Lab File: VW032052.D
Acq: 11 Aug 2025 08:25

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 56184
Ion Ratio Lower Upper
43 100
58 40.2 33.1 49.7

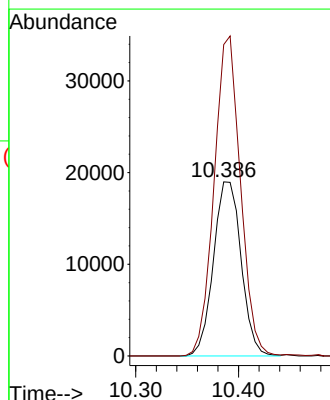
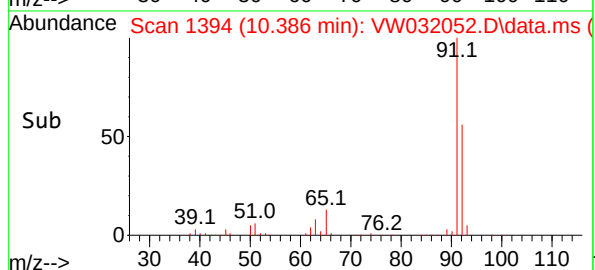
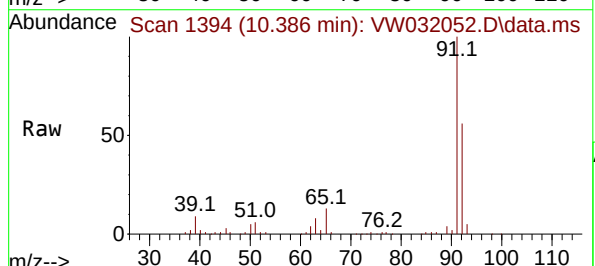
Manual Integrations
APPROVED

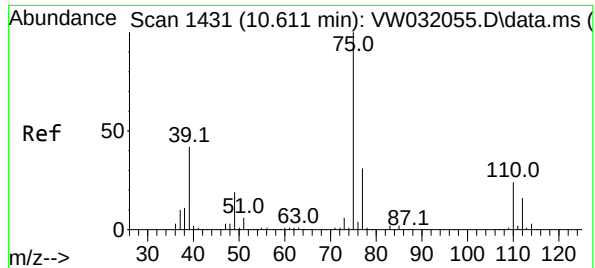
Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025



#52
Toluene
Concen: 4.692 ug/l
RT: 10.386 min Scan# 1394
Delta R.T. -0.006 min
Lab File: VW032052.D
Acq: 11 Aug 2025 08:25

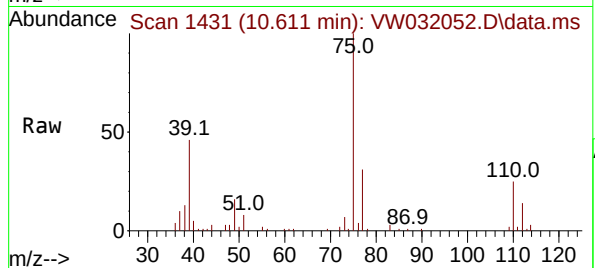
Tgt Ion: 92 Resp: 35525
Ion Ratio Lower Upper
92 100
91 175.5 136.3 204.5





#53
t-1,3-Dichloropropene
Concen: 4.513 ug/l
RT: 10.611 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VW032052.D
Acq: 11 Aug 2025 08:25

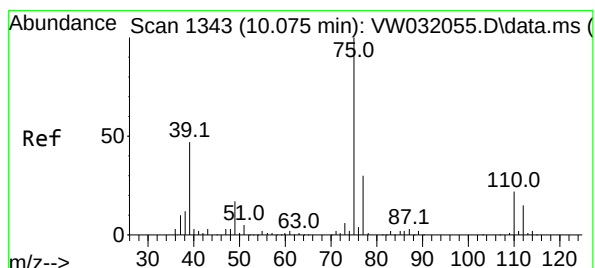
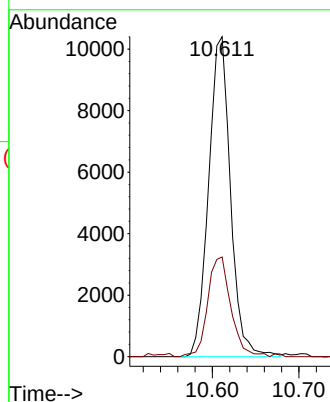
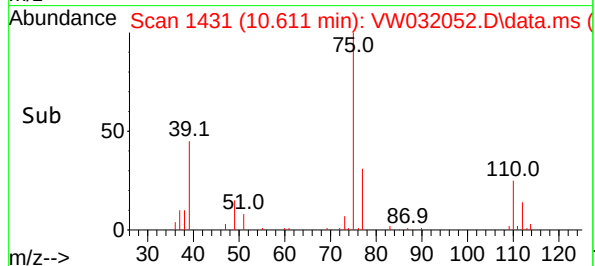
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005



Tgt Ion: 75 Resp: 18259
Ion Ratio Lower Upper
75 100
77 31.2 25.0 37.6

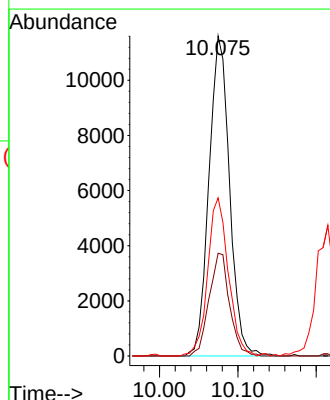
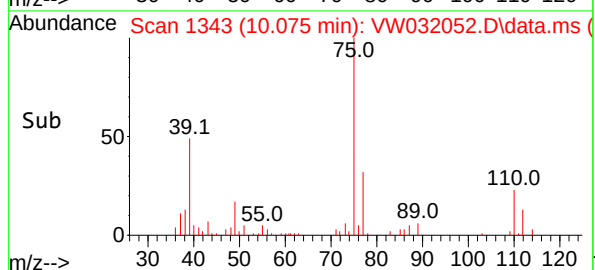
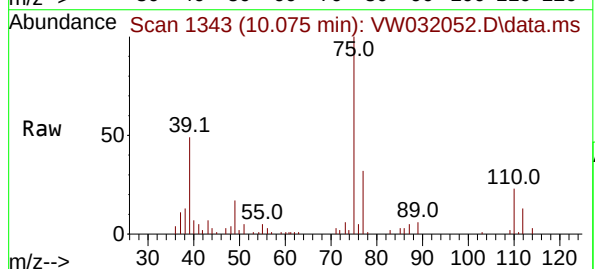
Manual Integrations
APPROVED

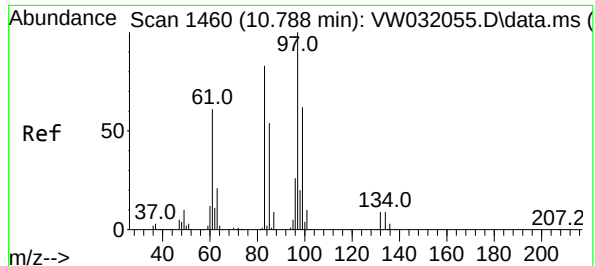
Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025



#54
cis-1,3-Dichloropropene
Concen: 4.612 ug/l
RT: 10.075 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VW032052.D
Acq: 11 Aug 2025 08:25

Tgt Ion: 75 Resp: 21173
Ion Ratio Lower Upper
75 100
77 32.1 24.0 36.0
39 49.4 37.8 56.8





#55

1,1,2-Trichloroethane

Concen: 5.057 ug/l

RT: 10.788 min Scan# 1460

Delta R.T. -0.000 min

Lab File: VW032052.D

Acq: 11 Aug 2025 08:25

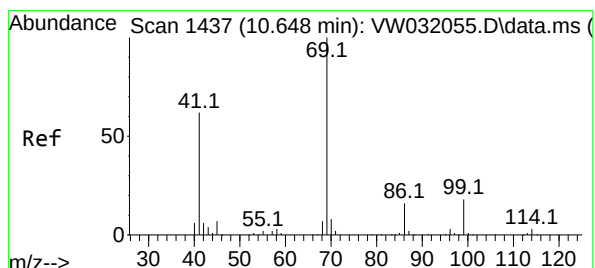
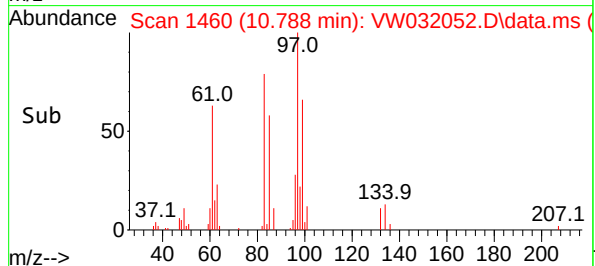
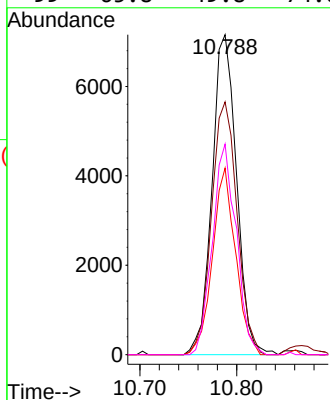
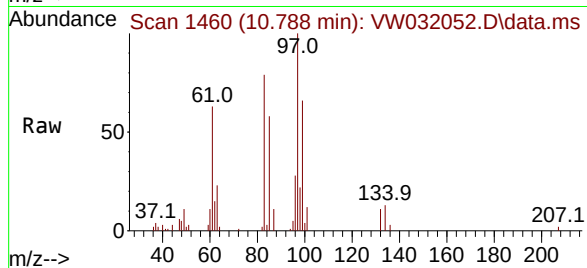
Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tgt Ion:	97	Resp:	12594
Ion	Ratio	Lower	Upper
97	100		
83	79.0	66.4	99.6
85	58.3	43.1	64.7
99	65.8	49.8	74.6

Manual Integrations
APPROVEDReviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025

#56

Ethyl methacrylate

Concen: 4.317 ug/l

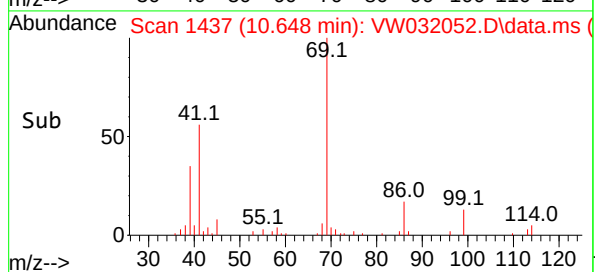
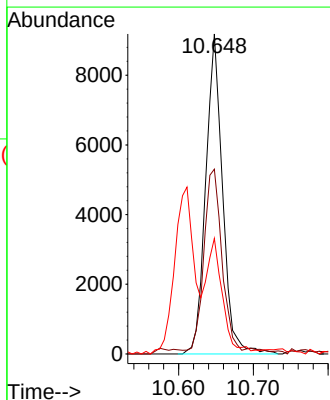
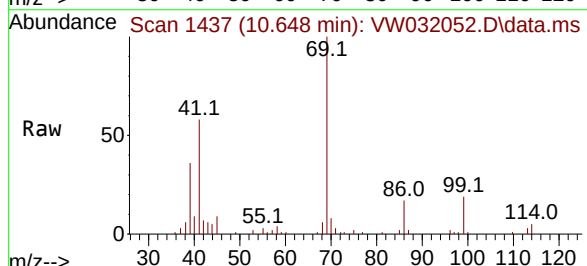
RT: 10.648 min Scan# 1437

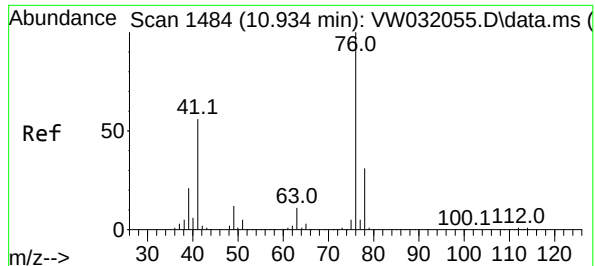
Delta R.T. -0.000 min

Lab File: VW032052.D

Acq: 11 Aug 2025 08:25

Tgt Ion:	69	Resp:	14387
Ion	Ratio	Lower	Upper
69	100		
41	59.2	51.2	76.8
39	32.8	25.4	38.0





#57

1,3-Dichloropropane

Concen: 4.988 ug/l

RT: 10.934 min Scan# 1484

Delta R.T. -0.000 min

Lab File: VW032052.D

Acq: 11 Aug 2025 08:25

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tgt Ion: 76 Resp: 21654

Ion Ratio Lower Upper

76 100

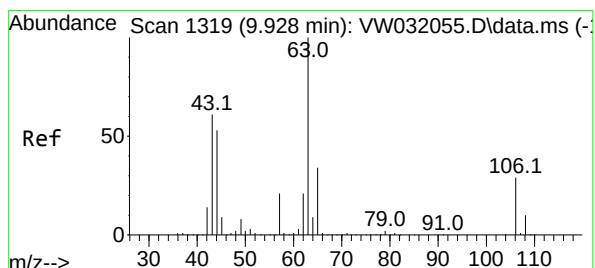
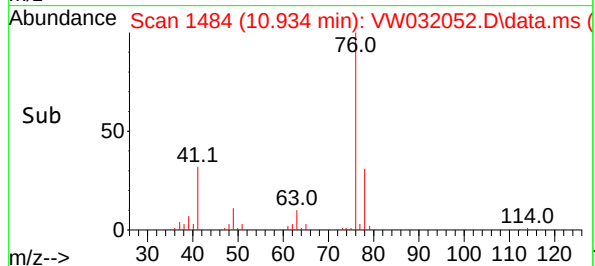
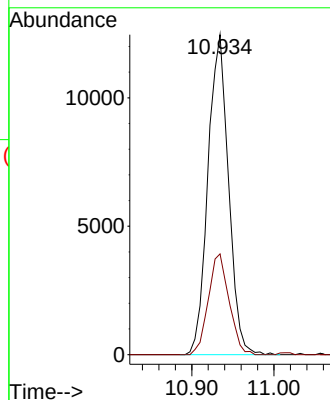
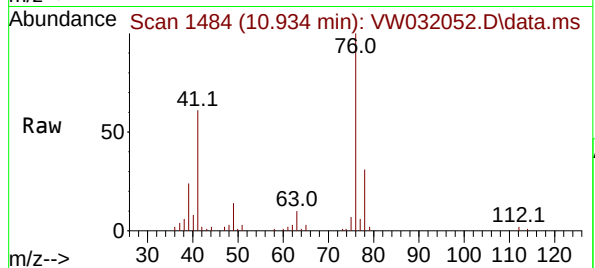
78 31.8 25.8 38.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025

Supervised By :Semsettin Yesilyurt 08/12/2025



#58

2-Chloroethyl Vinyl ether

Concen: 22.777 ug/l

RT: 9.928 min Scan# 1319

Delta R.T. -0.000 min

Lab File: VW032052.D

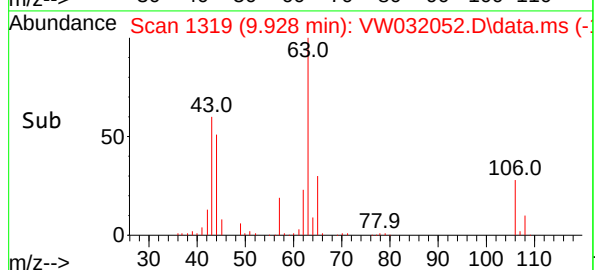
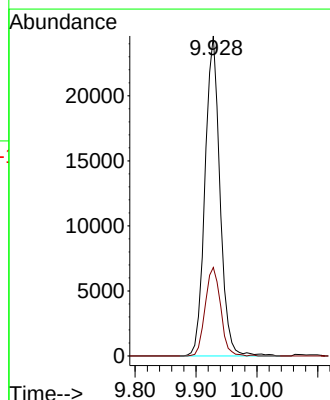
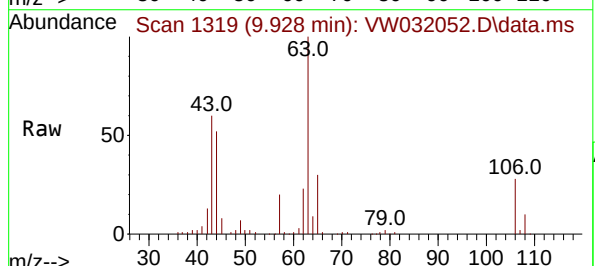
Acq: 11 Aug 2025 08:25

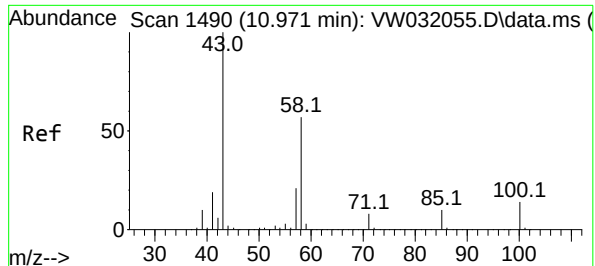
Tgt Ion: 63 Resp: 41991

Ion Ratio Lower Upper

63 100

106 28.4 23.5 35.3





#59

2-Hexanone

Concen: 23.074 ug/l

RT: 10.971 min Scan# 1490

Delta R.T. -0.000 min

Lab File: VW032052.D

Acq: 11 Aug 2025 08:25

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tgt Ion: 43 Resp: 37790

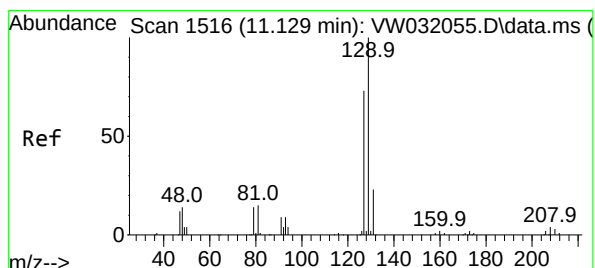
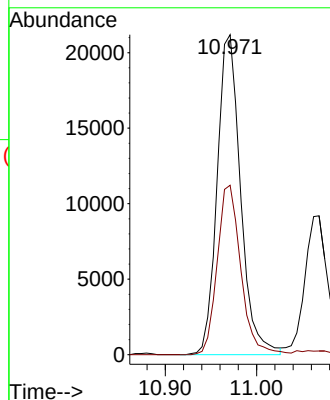
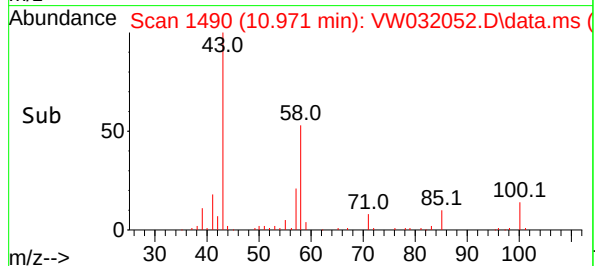
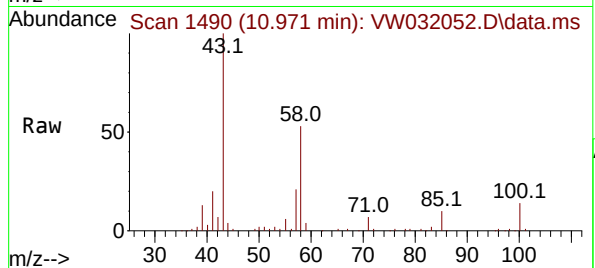
Ion Ratio Lower Upper

43 100

58 53.3 28.3 85.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025

#60

Dibromochloromethane

Concen: 4.799 ug/l

RT: 11.129 min Scan# 1516

Delta R.T. -0.000 min

Lab File: VW032052.D

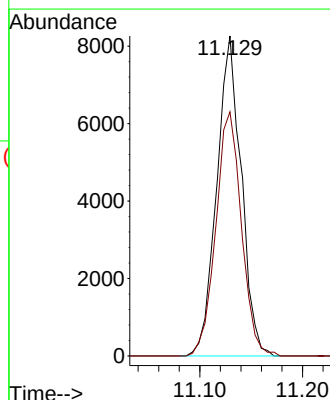
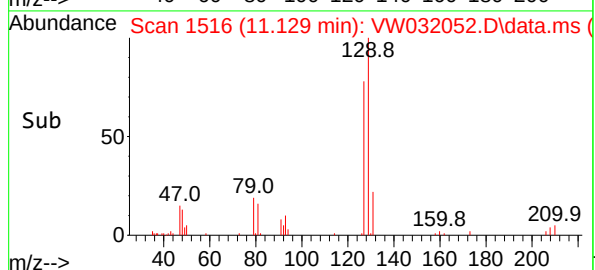
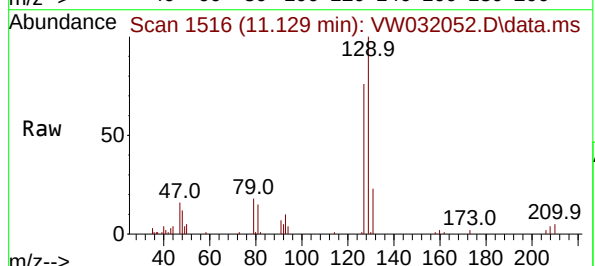
Acq: 11 Aug 2025 08:25

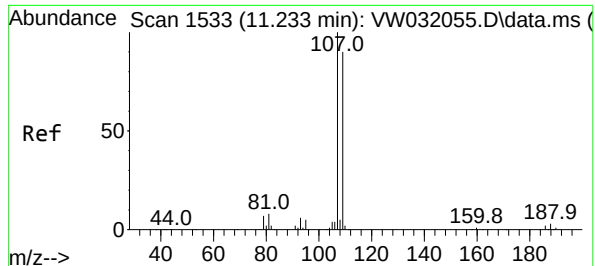
Tgt Ion:129 Resp: 13654

Ion Ratio Lower Upper

129 100

127 79.8 39.0 116.9





#61

1,2-Dibromoethane

Concen: 4.955 ug/l

RT: 11.239 min Scan# 1533

Delta R.T. 0.006 min

Lab File: VW032052.D

Acq: 11 Aug 2025 08:25

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tgt Ion:107 Resp: 1199

Ion Ratio Lower Upper

107 100

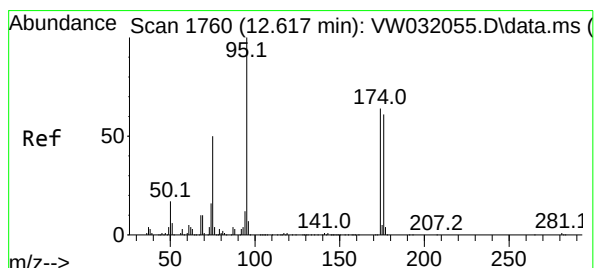
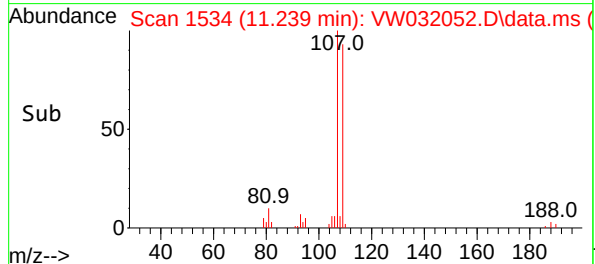
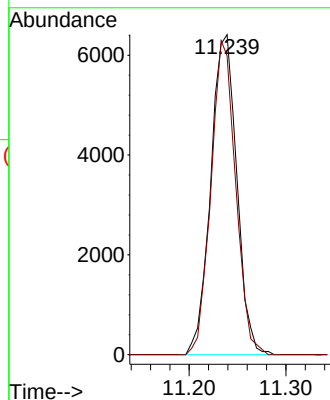
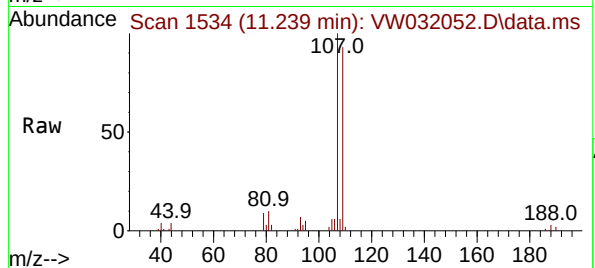
109 92.8 74.2 111.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025

Supervised By :Semsettin Yesilyurt 08/12/2025



#62

4-Bromofluorobenzene

Concen: 4.863 ug/l

RT: 12.617 min Scan# 1760

Delta R.T. -0.000 min

Lab File: VW032052.D

Acq: 11 Aug 2025 08:25

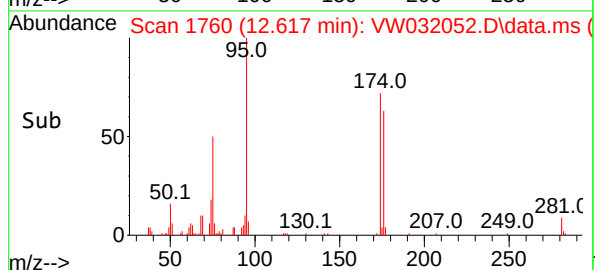
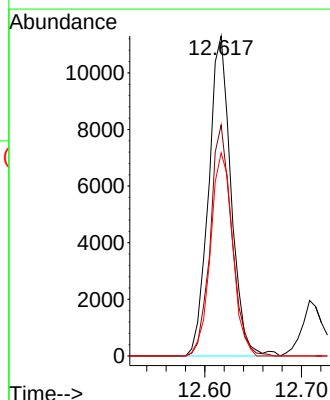
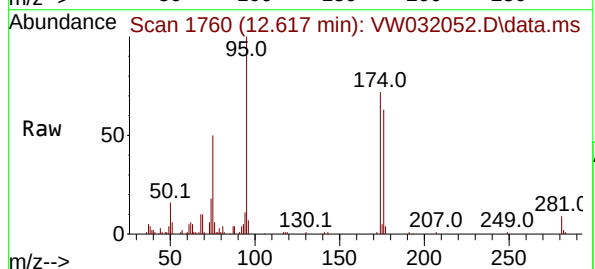
Tgt Ion: 95 Resp: 18184

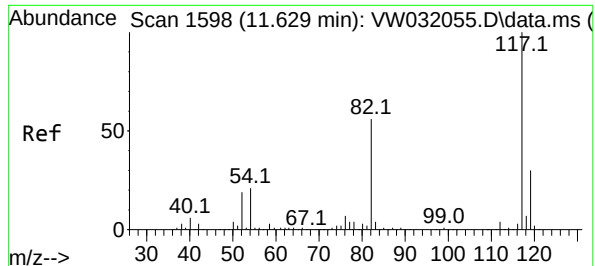
Ion Ratio Lower Upper

95 100

174 69.1 0.0 129.0

176 62.7 0.0 124.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.629 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW032052.D

Acq: 11 Aug 2025 08:25

Instrument :

MSVOA_W

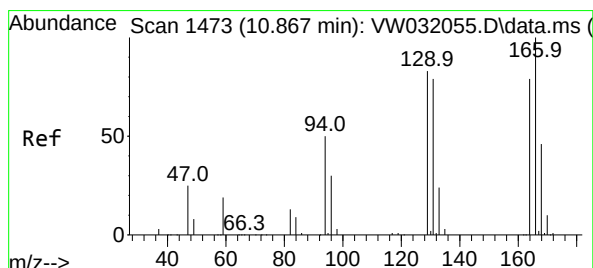
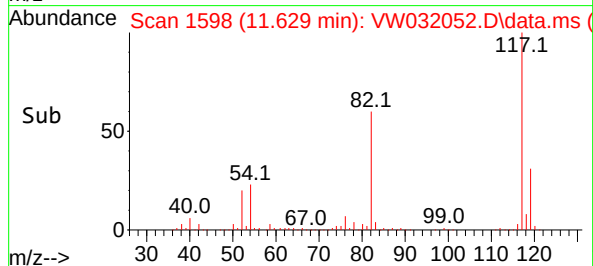
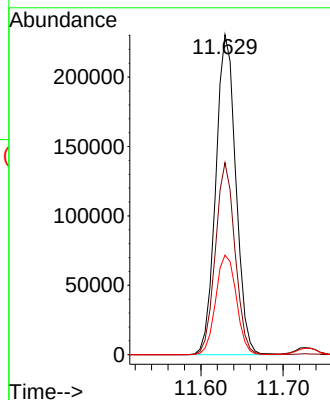
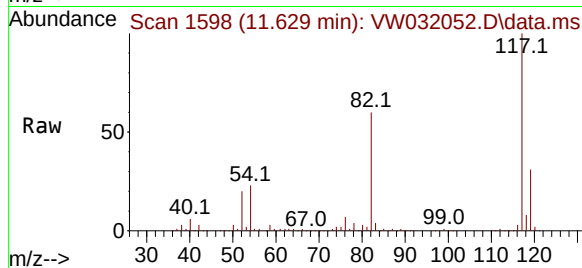
ClientSampleId :

VSTDIC005

Tgt Ion:	117	Resp:	391234
Ion	Ratio	Lower	Upper
117	100		
82	60.0	45.0	67.4
119	31.1	24.2	36.4

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025



#64

Tetrachloroethene

Concen: 5.066 ug/l

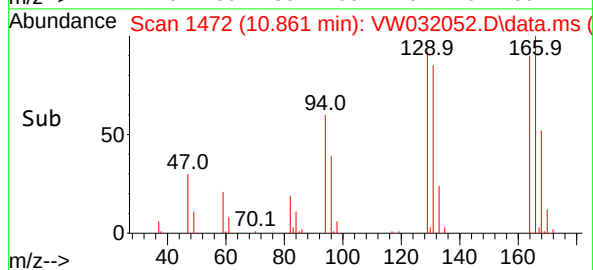
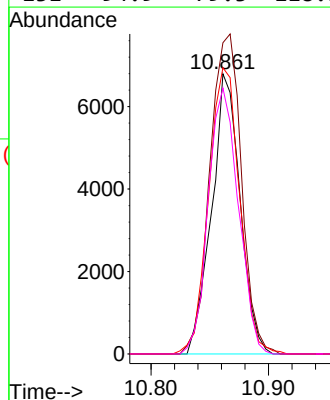
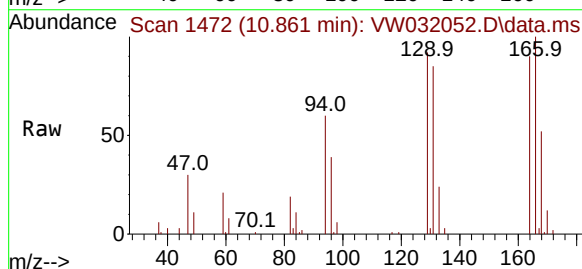
RT: 10.861 min Scan# 1472

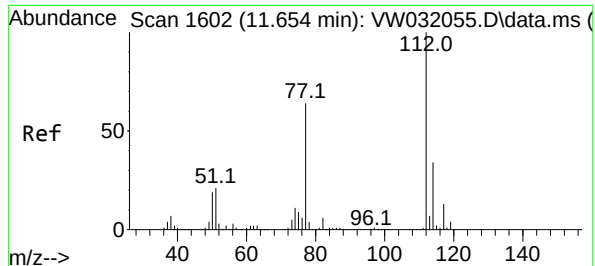
Delta R.T. -0.006 min

Lab File: VW032052.D

Acq: 11 Aug 2025 08:25

Tgt Ion:	164	Resp:	11449
Ion	Ratio	Lower	Upper
164	100		
166	111.1	100.9	151.3
129	101.3	83.6	125.4
131	94.9	79.3	118.9





#65

Chlorobenzene

Concen: 5.110 ug/l

RT: 11.654 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW032052.D

Acq: 11 Aug 2025 08:25

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tgt Ion:112 Resp: 4351

Ion Ratio Lower Upper

112 100

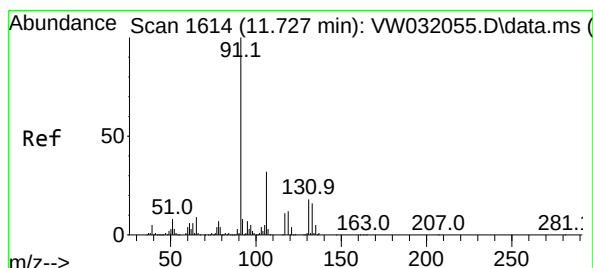
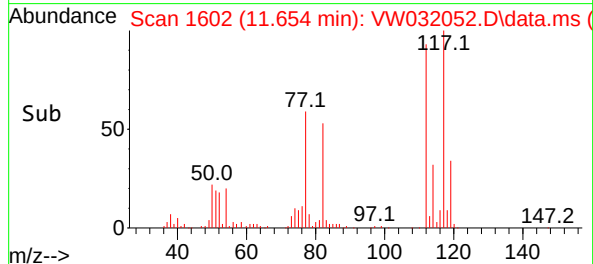
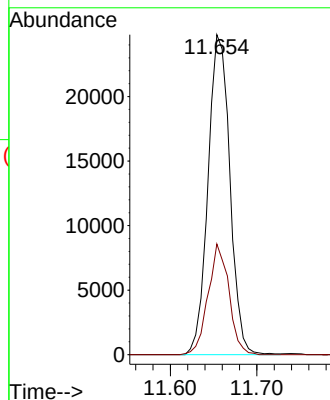
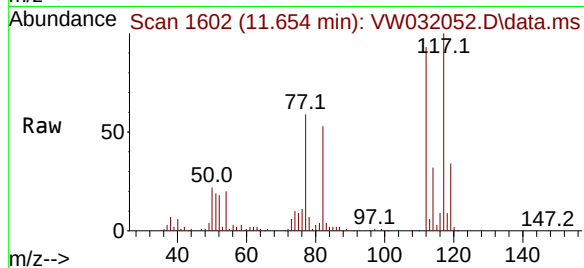
114 34.6 26.9 40.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025

Supervised By :Semsettin Yesilyurt 08/12/2025



#66

1,1,1,2-Tetrachloroethane

Concen: 4.907 ug/l

RT: 11.733 min Scan# 1615

Delta R.T. 0.006 min

Lab File: VW032052.D

Acq: 11 Aug 2025 08:25

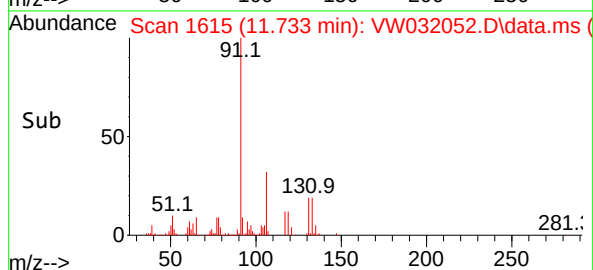
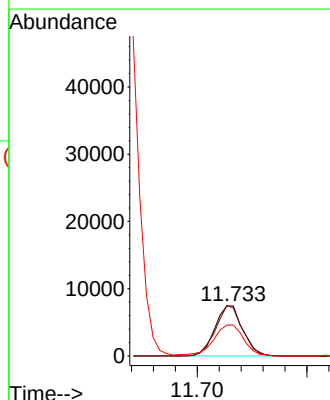
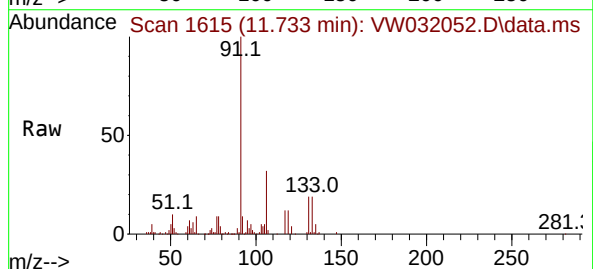
Tgt Ion:131 Resp: 13037

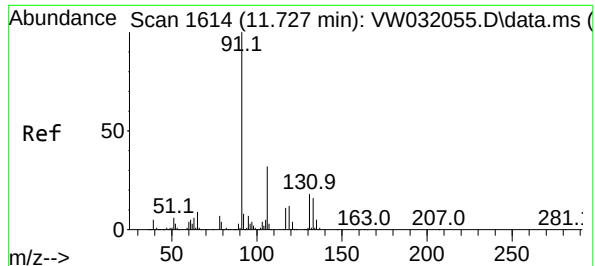
Ion Ratio Lower Upper

131 100

133 97.4 47.3 142.0

119 67.3 34.5 103.5





#67

Ethyl Benzene

Concen: 4.650 ug/l

RT: 11.727 min Scan# 1614

Delta R.T. -0.000 min

Lab File: VW032052.D

Acq: 11 Aug 2025 08:25

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC005

Tgt Ion: 91 Resp: 6707

Ion Ratio Lower Upper

91 100

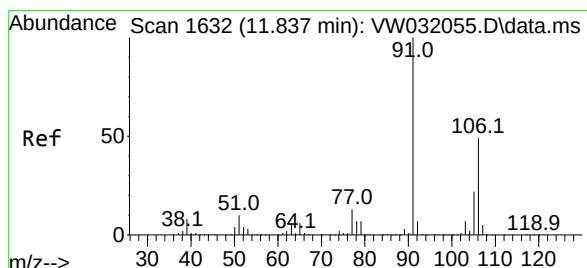
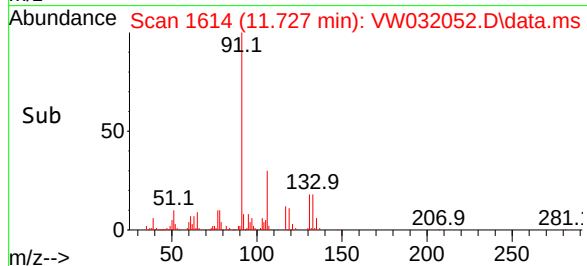
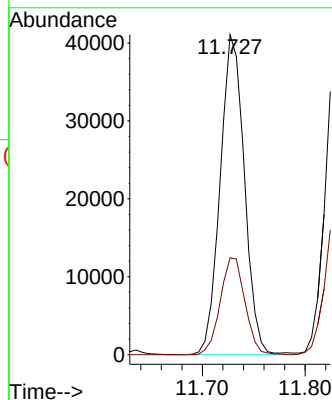
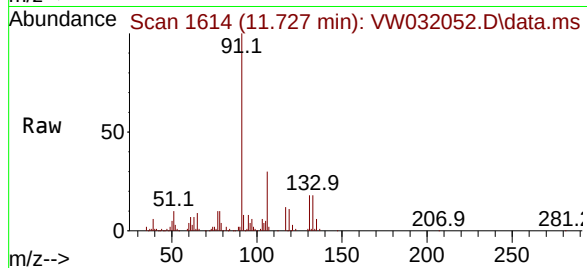
106 30.2 25.4 38.0

Manual Integrations

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Reviewed By :Mahesh Dadoda 08/12/2025

Supervised By :Semsettin Yesilyurt 08/12/2025



#68

m/p-Xylenes

Concen: 9.070 ug/l

RT: 11.837 min Scan# 1632

Delta R.T. -0.000 min

Lab File: VW032052.D

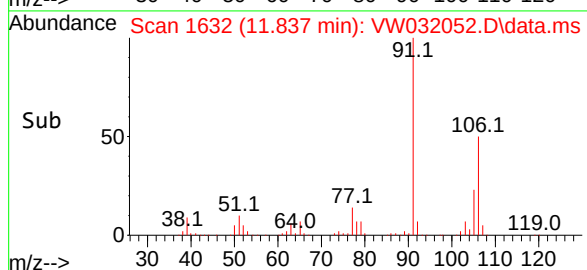
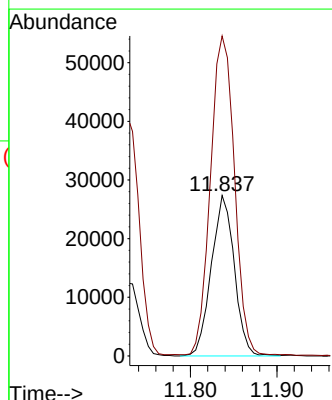
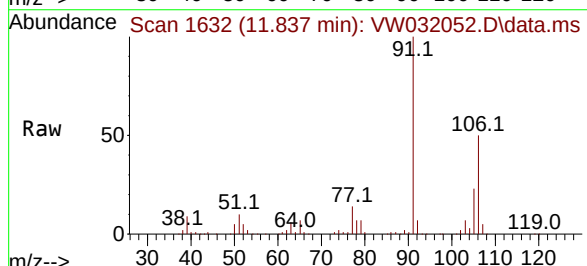
Acq: 11 Aug 2025 08:25

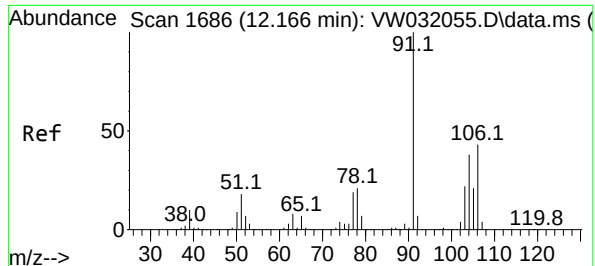
Tgt Ion:106 Resp: 50482

Ion Ratio Lower Upper

106 100

91 209.1 162.2 243.2





#69

o-Xylene

Concen: 4.393 ug/l

RT: 12.166 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW032052.D

Acq: 11 Aug 2025 08:25

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC005

Tgt Ion:106 Resp: 2260

Ion Ratio Lower Upper

106 100

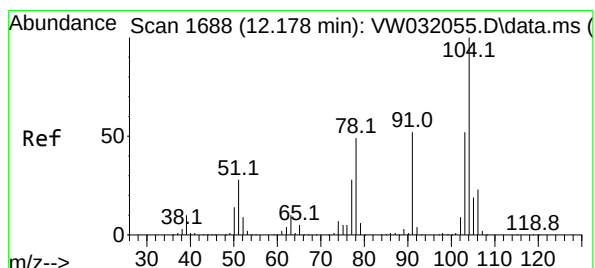
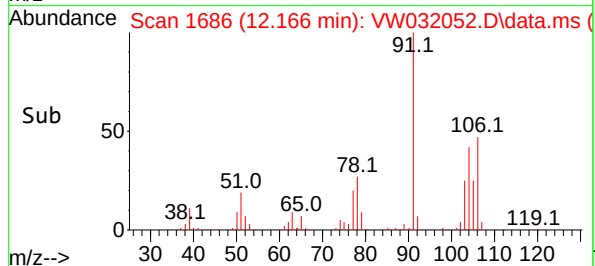
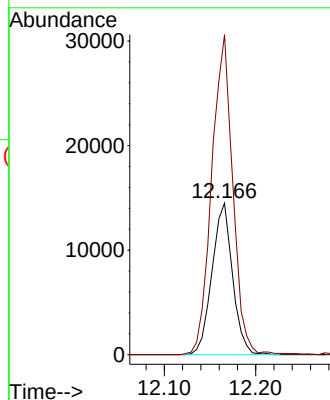
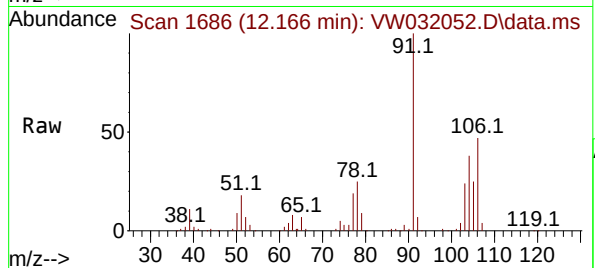
91 217.4 110.8 332.3

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Reviewed By :Mahesh Dadoda 08/12/2025

Supervised By :Semsettin Yesilyurt 08/12/2025



#70

Styrene

Concen: 4.300 ug/l

RT: 12.178 min Scan# 1688

Delta R.T. -0.000 min

Lab File: VW032052.D

Acq: 11 Aug 2025 08:25

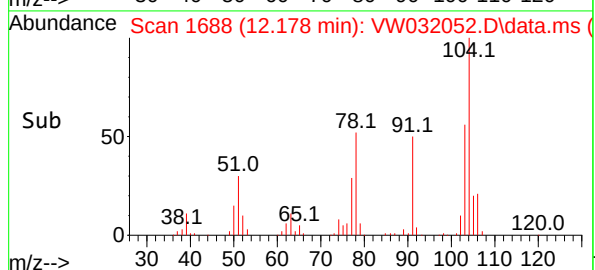
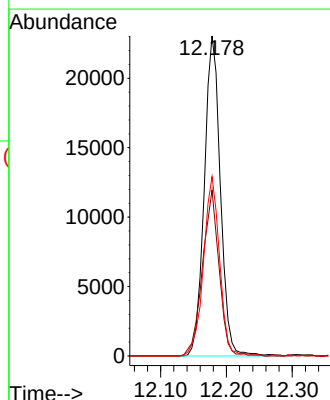
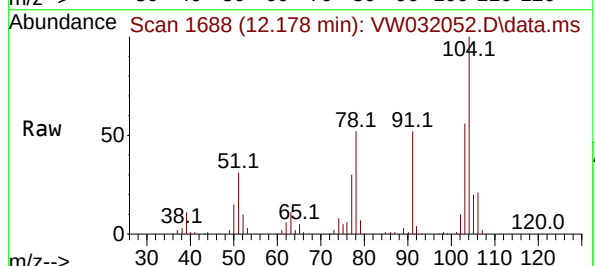
Tgt Ion:104 Resp: 39288

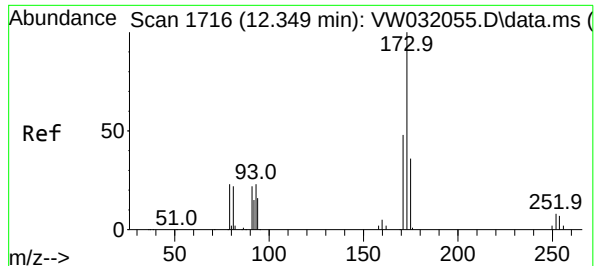
Ion Ratio Lower Upper

104 100

78 53.3 41.2 61.8

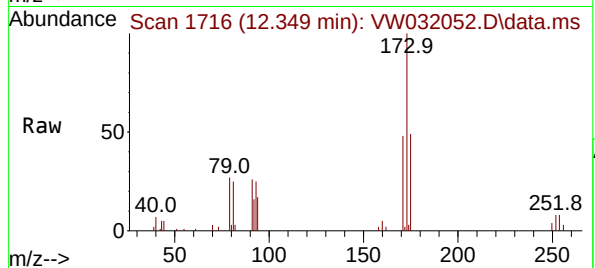
103 56.1 43.8 65.8





#71
Bromoform
Concen: 4.792 ug/l
RT: 12.349 min Scan# 1716
Delta R.T. -0.000 min
Lab File: VW032052.D
Acq: 11 Aug 2025 08:25

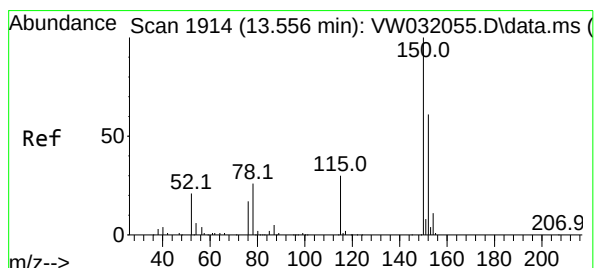
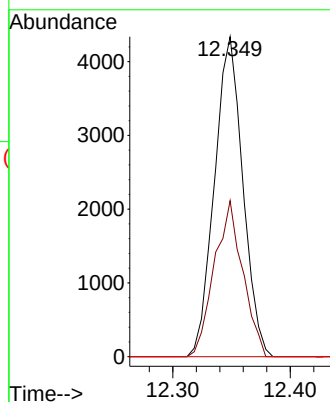
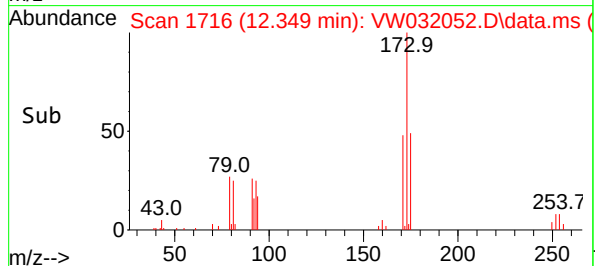
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005



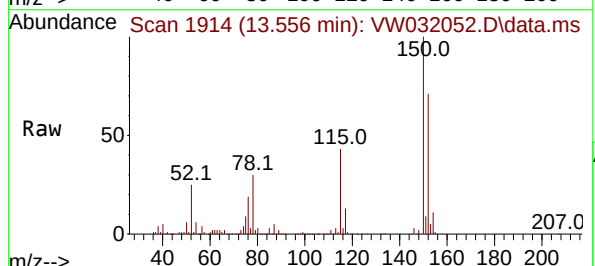
Tgt Ion:173 Resp: 728
Ion Ratio Lower Upper
173 100
175 48.9 22.9 68.7
254 0.0 0.0 0.0

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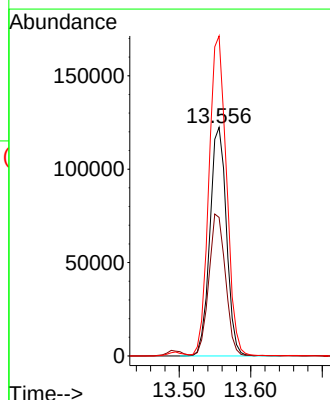
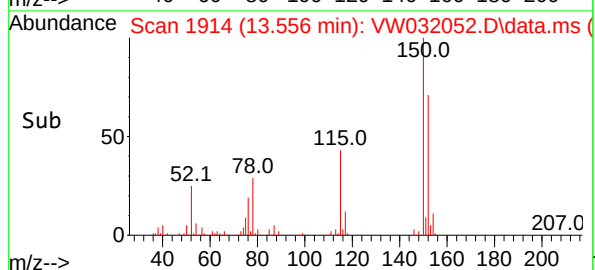
Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025

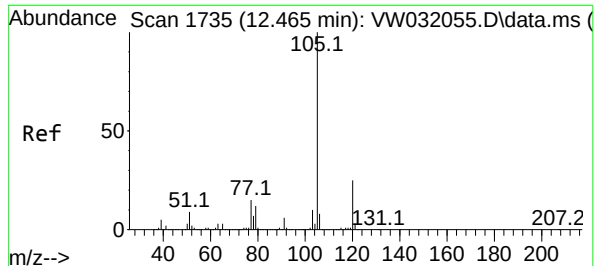


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. -0.000 min
Lab File: VW032052.D
Acq: 11 Aug 2025 08:25



Tgt Ion:152 Resp: 196943
Ion Ratio Lower Upper
152 100
115 62.0 32.6 97.8
150 147.8 0.0 359.4





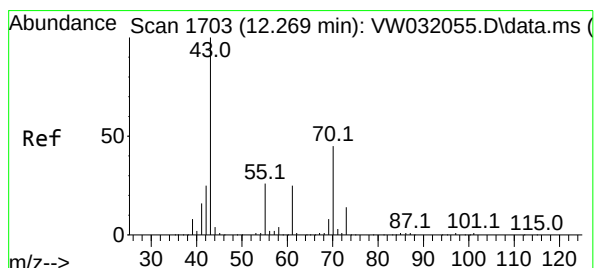
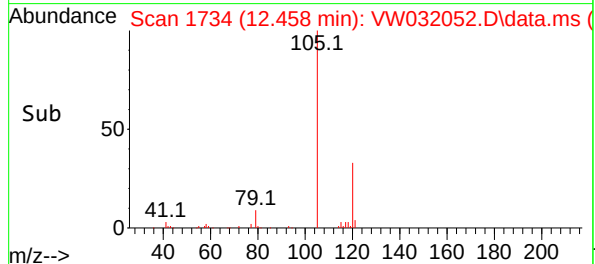
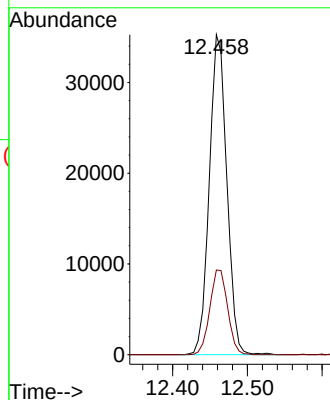
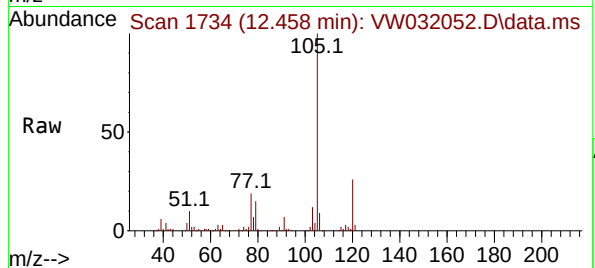
#73
Isopropylbenzene
Concen: 4.164 ug/l
RT: 12.458 min Scan# 1735
Delta R.T. -0.006 min
Lab File: VW032052.D
Acq: 11 Aug 2025 08:25

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Tgt Ion:105 Resp: 57300
Ion Ratio Lower Upper
105 100
120 26.8 12.8 38.4

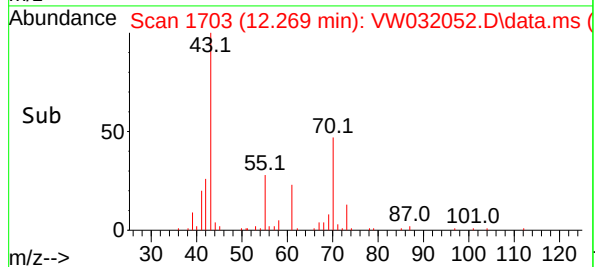
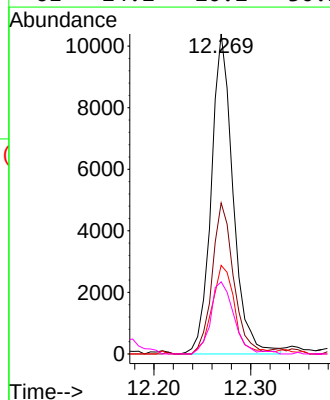
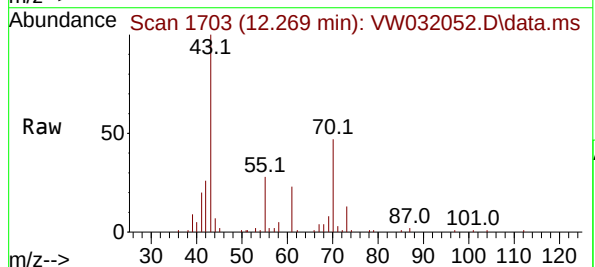
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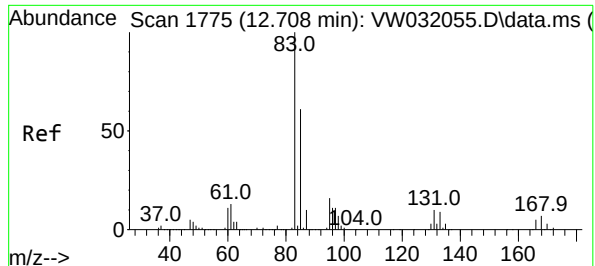
Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025



#74
N-ethyl acetate
Concen: 4.135 ug/l
RT: 12.269 min Scan# 1703
Delta R.T. -0.000 min
Lab File: VW032052.D
Acq: 11 Aug 2025 08:25

Tgt Ion: 43 Resp: 16327
Ion Ratio Lower Upper
43 100
70 45.9 37.0 55.4
55 28.8 21.1 31.7
61 24.2 20.2 30.2





#75

1,1,2-Tetrachloroethane

Concen: 4.836 ug/l

RT: 12.708 min Scan# 1775

Delta R.T. -0.000 min

Lab File: VW032052.D

Acq: 11 Aug 2025 08:25

Instrument :

MSVOA_W

ClientSampleId :

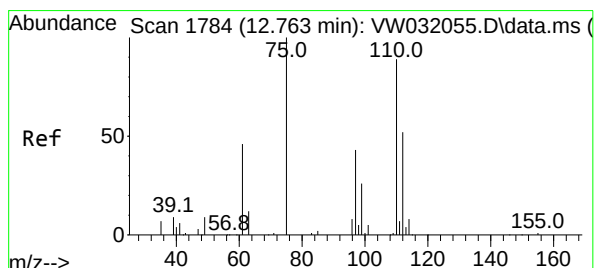
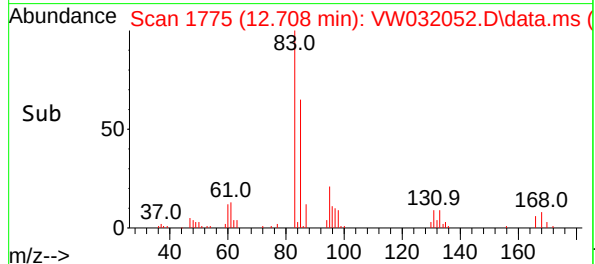
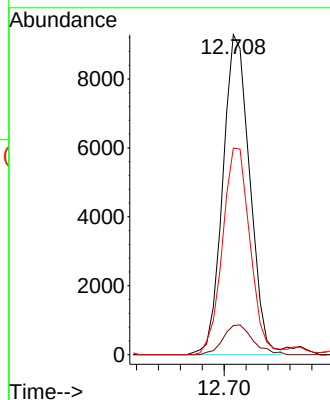
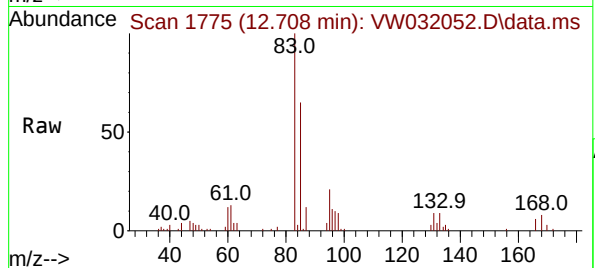
VSTDIC005

Tgt Ion:	83	Resp:	1580
Ion Ratio	Lower	Upper	
83	100		
131	10.3	5.1	15.4
85	66.7	32.2	96.6

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Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025



#76

1,2,3-Trichloropropane

Concen: 4.568 ug/l m

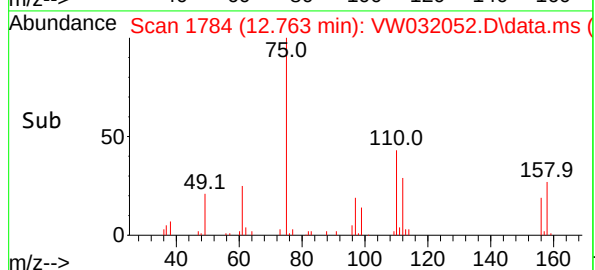
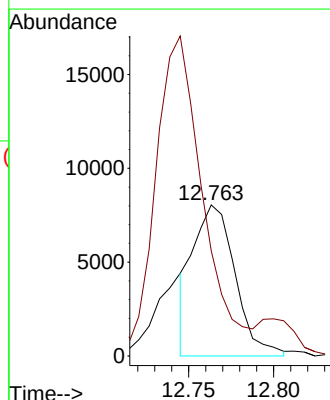
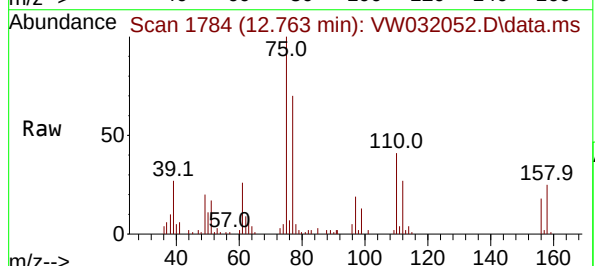
RT: 12.763 min Scan# 1784

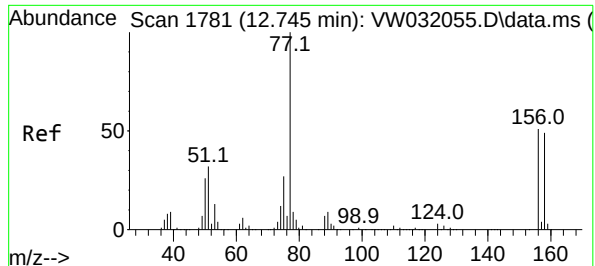
Delta R.T. -0.000 min

Lab File: VW032052.D

Acq: 11 Aug 2025 08:25

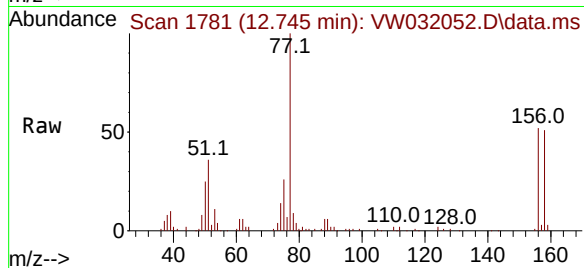
Tgt Ion:	75	Resp:	13829
Ion Ratio	Lower	Upper	
75	100		
77	238.4	123.5	370.5





#77
Bromobenzene
Concen: 4.471 ug/l
RT: 12.745 min Scan# 1781
Delta R.T. -0.000 min
Lab File: VW032052.D
Acq: 11 Aug 2025 08:25

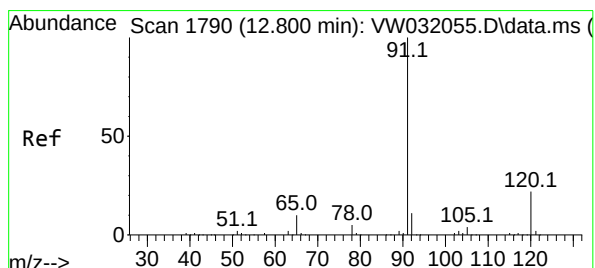
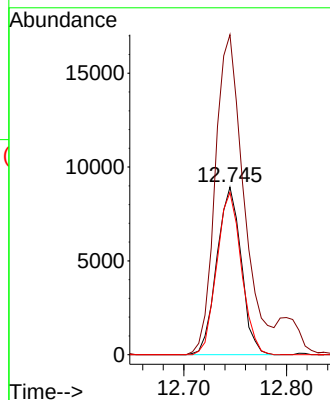
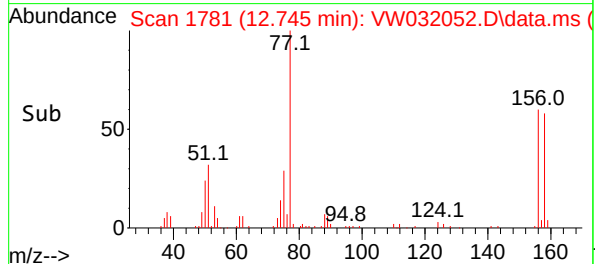
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005



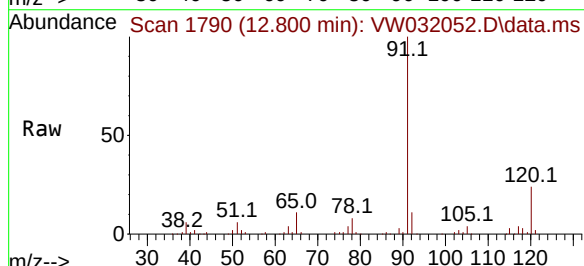
Tgt Ion: 156 Resp: 14698
Ion Ratio Lower Upper
156 100
77 224.3 108.7 326.3
158 97.7 48.3 144.9

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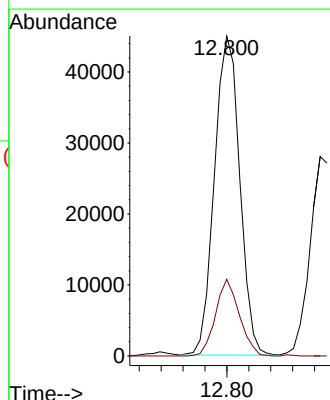
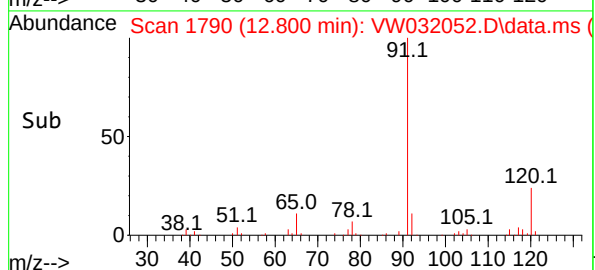
Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025

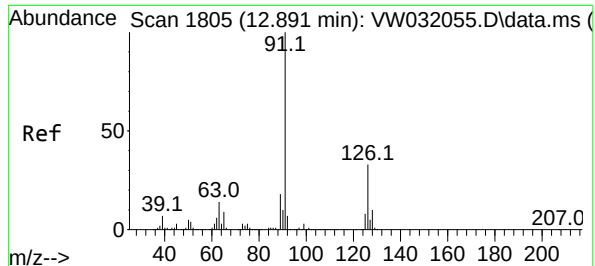


#78
n-propylbenzene
Concen: 4.257 ug/l
RT: 12.800 min Scan# 1790
Delta R.T. -0.000 min
Lab File: VW032052.D
Acq: 11 Aug 2025 08:25



Tgt Ion: 91 Resp: 72140
Ion Ratio Lower Upper
91 100
120 22.6 11.1 33.3





#79

2-Chlorotoluene

Concen: 4.483 ug/l

RT: 12.885 min Scan# 1804

Delta R.T. -0.006 min

Lab File: VW032052.D

Acq: 11 Aug 2025 08:25

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC005

Tgt Ion: 91 Resp: 46879

Ion Ratio Lower Upper

91 100

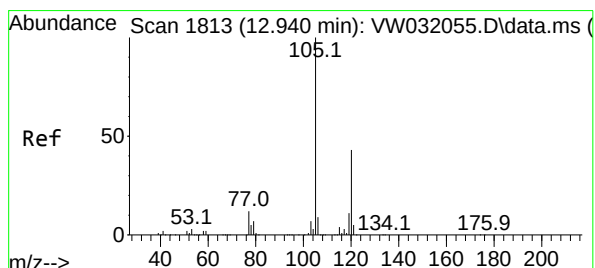
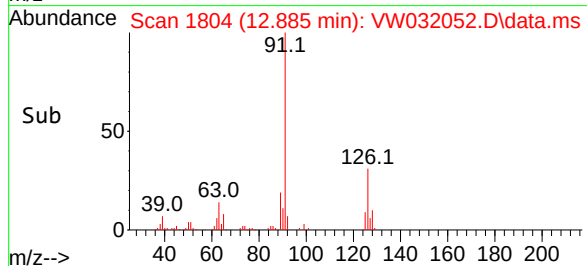
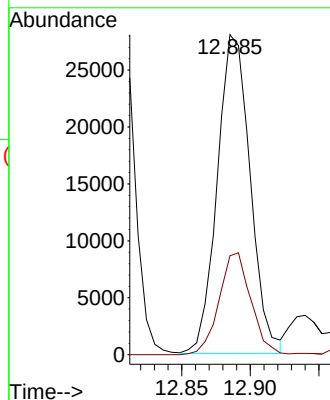
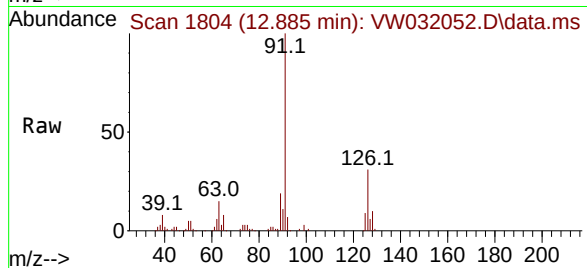
126 30.8 15.9 47.7

Manual Integrations

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Reviewed By :Mahesh Dadoda 08/12/2025

Supervised By :Semsettin Yesilyurt 08/12/2025



#80

1,3,5-Trimethylbenzene

Concen: 4.245 ug/l

RT: 12.940 min Scan# 1813

Delta R.T. -0.000 min

Lab File: VW032052.D

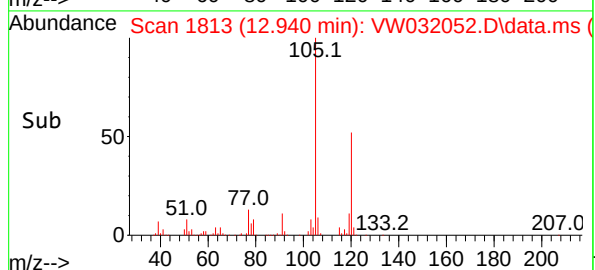
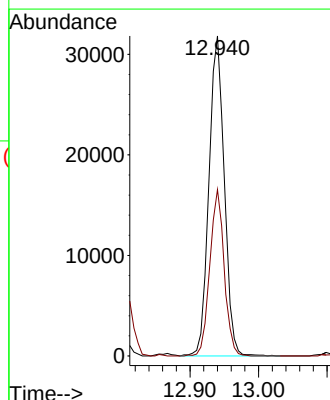
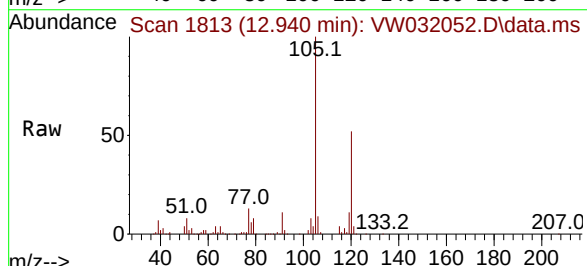
Acq: 11 Aug 2025 08:25

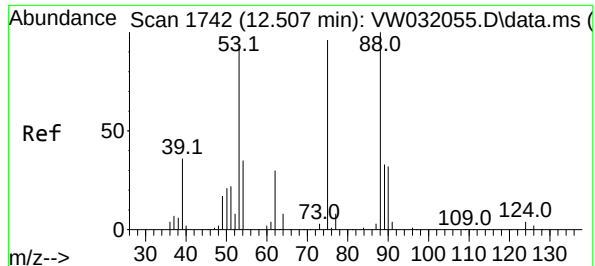
Tgt Ion:105 Resp: 49607

Ion Ratio Lower Upper

105 100

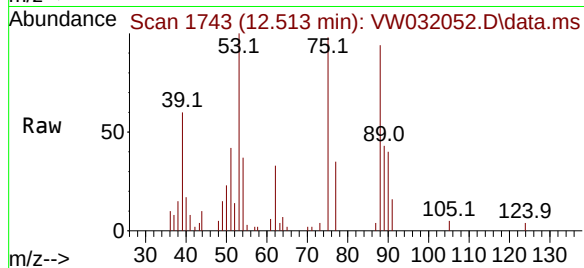
120 48.6 23.4 70.0





#81
trans-1,4-Dichloro-2-butene
Concen: 4.378 ug/l
RT: 12.513 min Scan# 1743
Delta R.T. 0.006 min
Lab File: VW032052.D
Acq: 11 Aug 2025 08:25

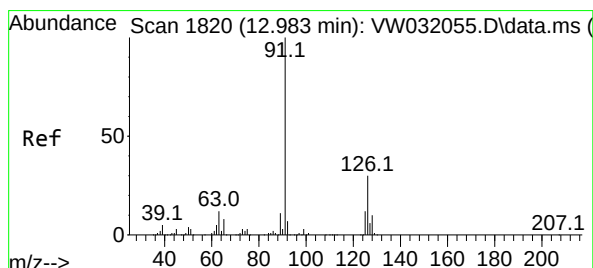
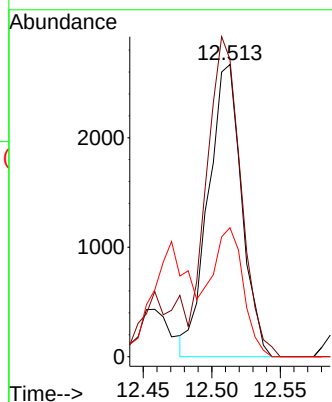
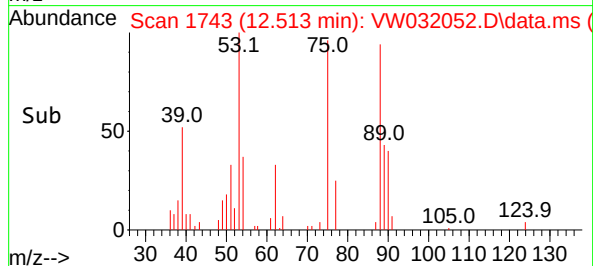
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005



Tgt Ion: 75 Resp: 4520
Ion Ratio Lower Upper
75 100
53 110.7 81.0 121.6
89 43.0 37.3 55.9

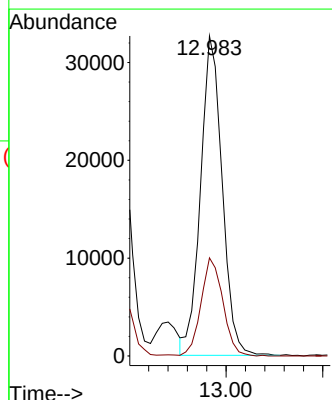
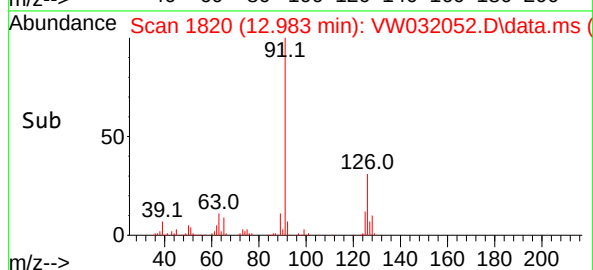
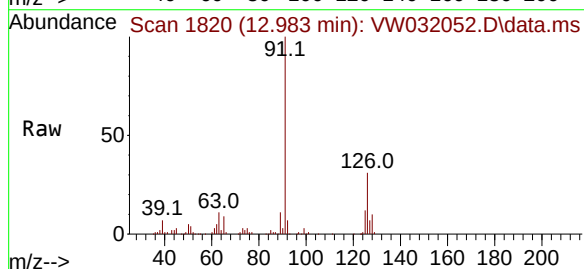
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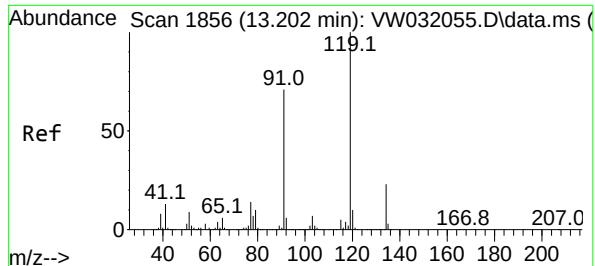
Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025



#82
4-Chlorotoluene
Concen: 4.570 ug/l
RT: 12.983 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VW032052.D
Acq: 11 Aug 2025 08:25

Tgt Ion: 91 Resp: 50782
Ion Ratio Lower Upper
91 100
126 31.1 15.5 46.5





#83

tert-Butylbenzene

Concen: 4.124 ug/l

RT: 13.202 min Scan# 1856

Delta R.T. -0.000 min

Lab File: VW032052.D

Acq: 11 Aug 2025 08:25

Instrument :

MSVOA_W

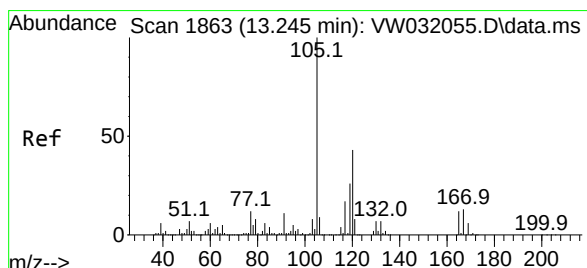
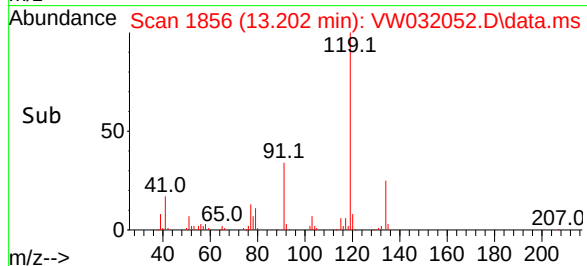
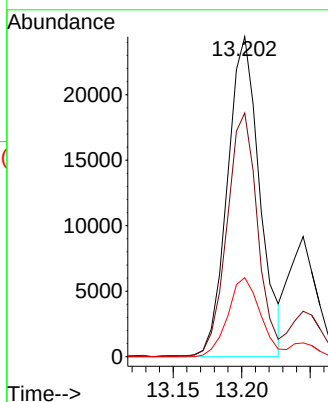
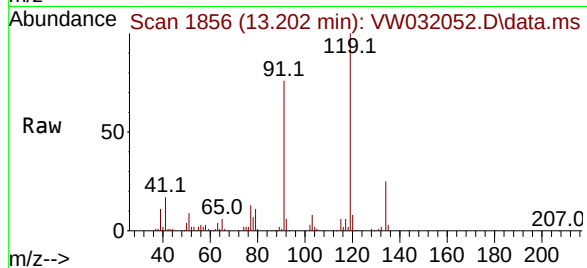
ClientSampleId :

VSTDIC005

Tgt Ion:	119	Resp:	3999
Ion Ratio	Lower	Upper	
119	100		
91	72.6	35.3	105.9
134	25.1	12.1	36.3

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025



#84

1,2,4-Trimethylbenzene

Concen: 4.194 ug/l

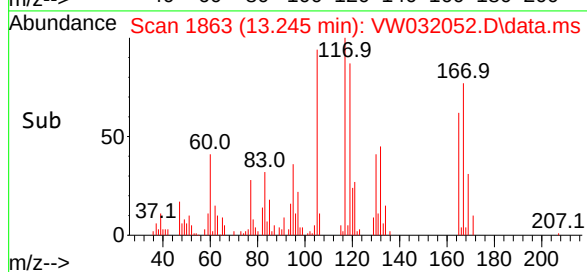
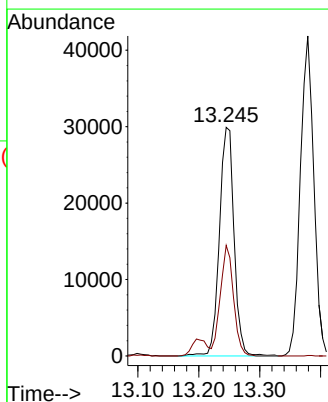
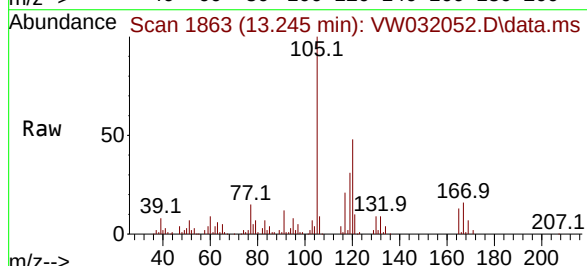
RT: 13.245 min Scan# 1863

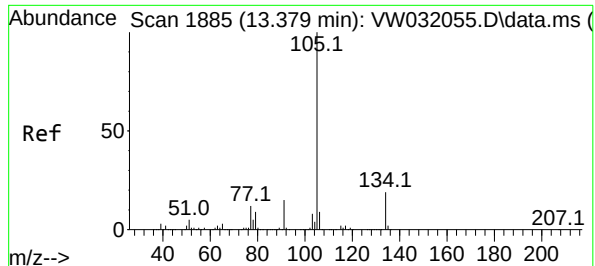
Delta R.T. -0.000 min

Lab File: VW032052.D

Acq: 11 Aug 2025 08:25

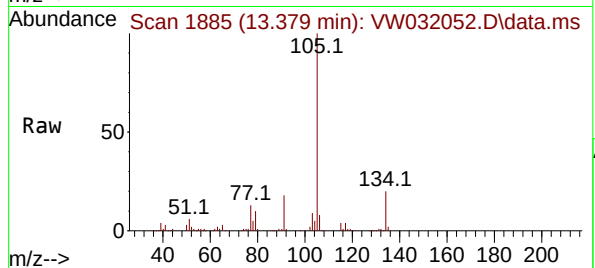
Tgt Ion:	105	Resp:	49891
Ion Ratio	Lower	Upper	
105	100		
120	43.4	21.6	64.8





#85
sec-Butylbenzene
Concen: 4.382 ug/l
RT: 13.379 min Scan# 1885
Delta R.T. -0.000 min
Lab File: VW032052.D
Acq: 11 Aug 2025 08:25

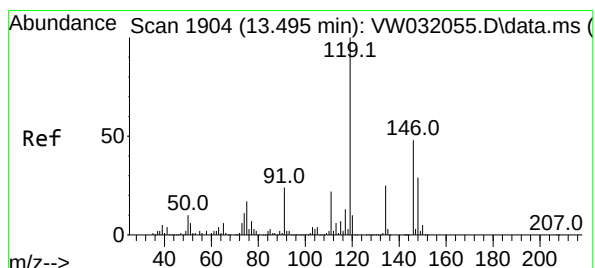
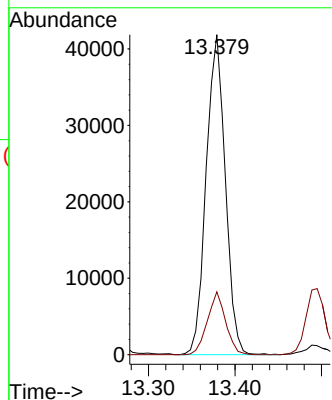
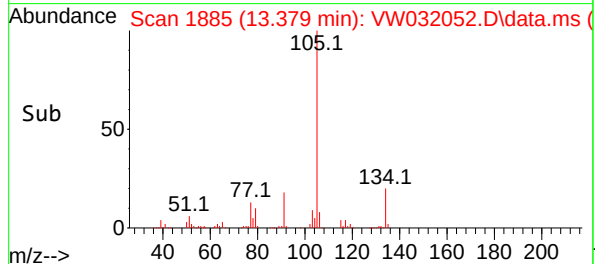
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005



Tgt Ion:105 Resp: 64254
Ion Ratio Lower Upper
105 100
134 18.7 9.9 29.7

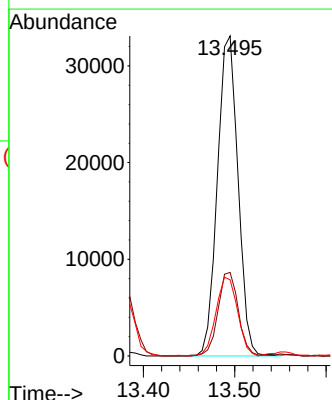
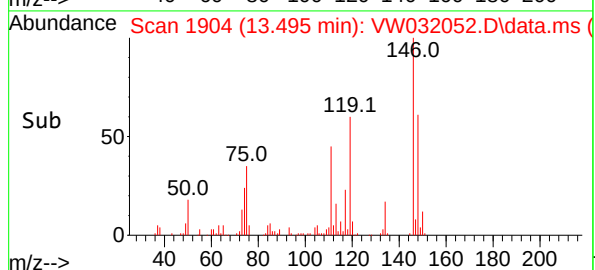
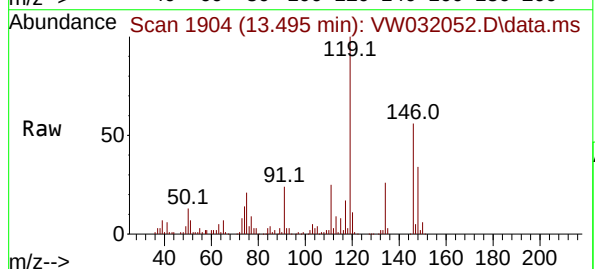
Manual Integrations
APPROVED

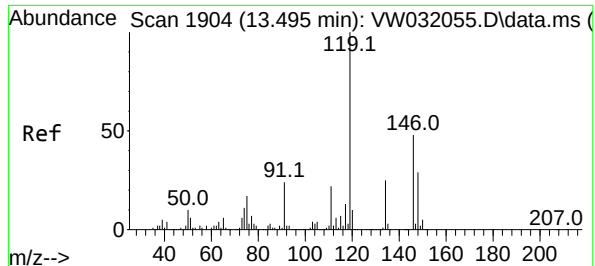
Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025



#86
p-Isopropyltoluene
Concen: 4.249 ug/l
RT: 13.495 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VW032052.D
Acq: 11 Aug 2025 08:25

Tgt Ion:119 Resp: 51939
Ion Ratio Lower Upper
119 100
134 25.8 12.4 37.0
91 25.7 12.1 36.3





#87

1,3-Dichlorobenzene

Concen: 4.654 ug/l

RT: 13.495 min Scan# 1904

Delta R.T. -0.000 min

Lab File: VW032052.D

Acq: 11 Aug 2025 08:25

Instrument :

MSVOA_W

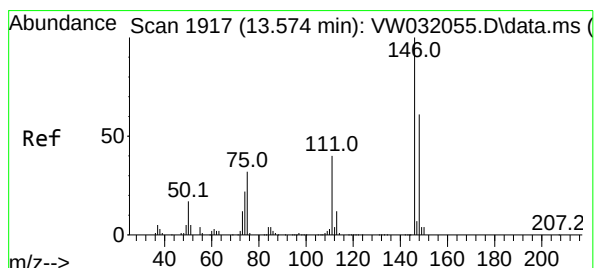
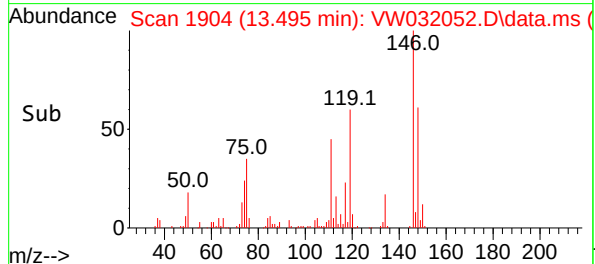
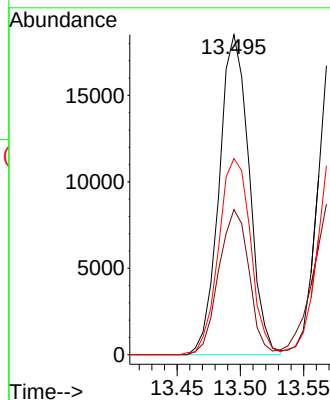
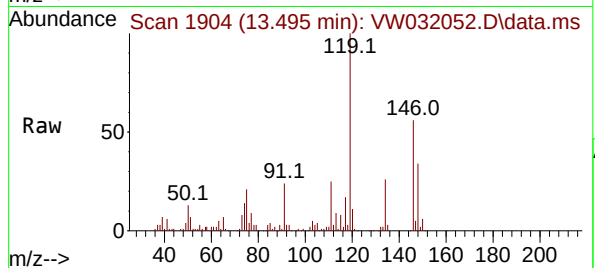
ClientSampleId :

VSTDIC005

Tgt Ion:146	Resp:	3044
Ion Ratio	Lower	Upper
146	100	
111	45.7	21.2 63.6
148	65.5	30.3 90.8

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025



#88

1,4-Dichlorobenzene

Concen: 4.925 ug/l

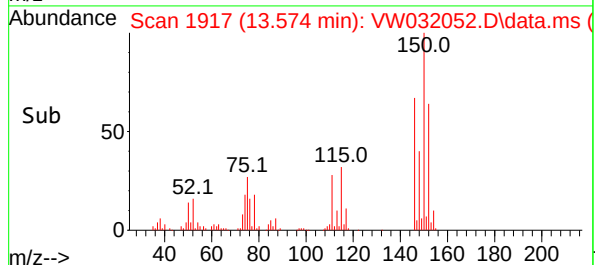
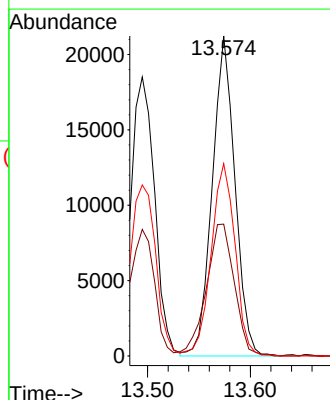
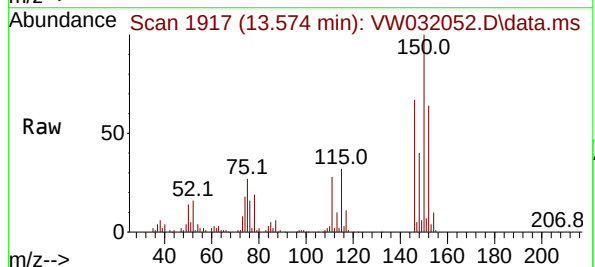
RT: 13.574 min Scan# 1917

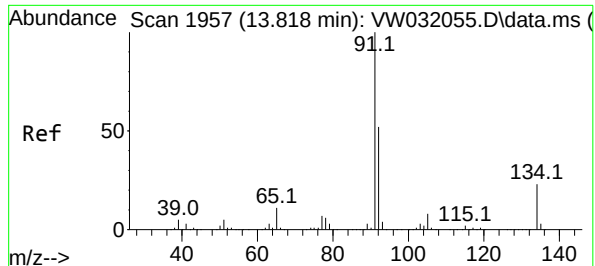
Delta R.T. -0.000 min

Lab File: VW032052.D

Acq: 11 Aug 2025 08:25

Tgt Ion:146	Resp:	32554
Ion Ratio	Lower	Upper
146	100	
111	51.0	21.6 64.6
148	63.5	32.0 96.2





#89

n-Butylbenzene

Concen: 4.323 ug/l

RT: 13.818 min Scan# 1957

Delta R.T. -0.000 min

Lab File: VW032052.D

Acq: 11 Aug 2025 08:25

Instrument :

MSVOA_W

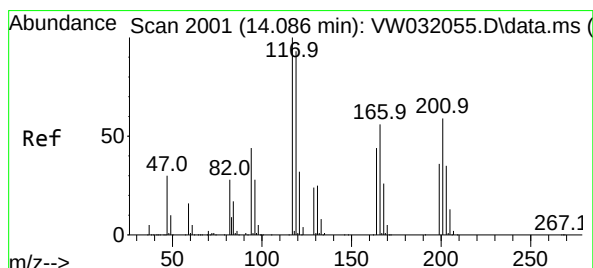
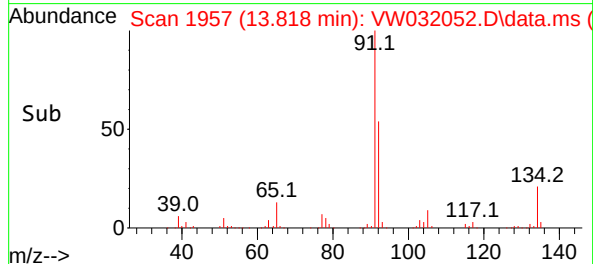
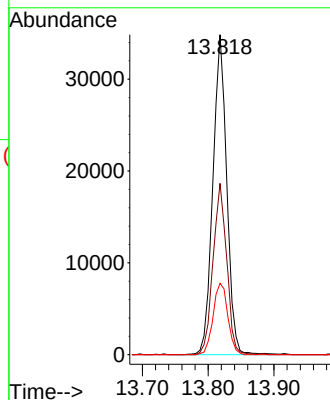
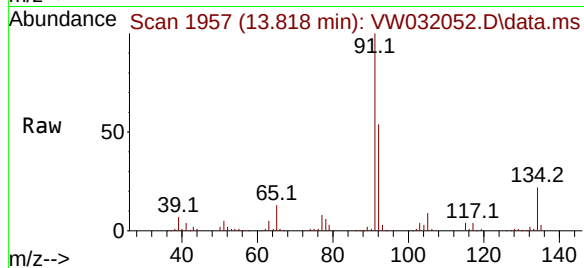
ClientSampleId :

VSTDIC005

Tgt Ion:	91	Resp:	51328
Ion	Ratio	Lower	Upper
91	100		
92	52.6	26.7	80.1
134	23.5	12.0	36.1

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025



#90

Hexachloroethane

Concen: 4.640 ug/l

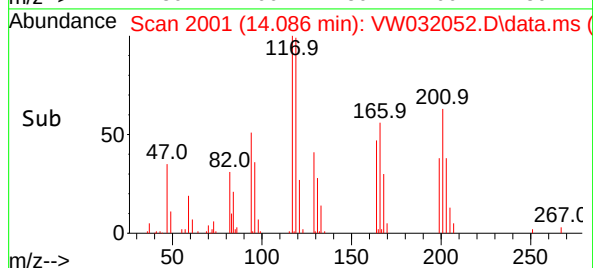
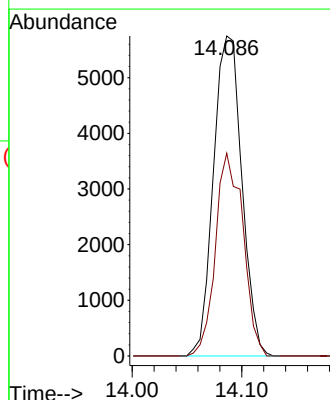
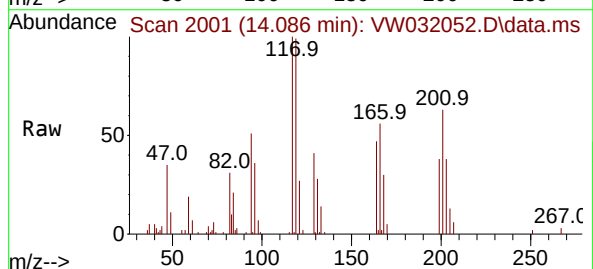
RT: 14.086 min Scan# 2001

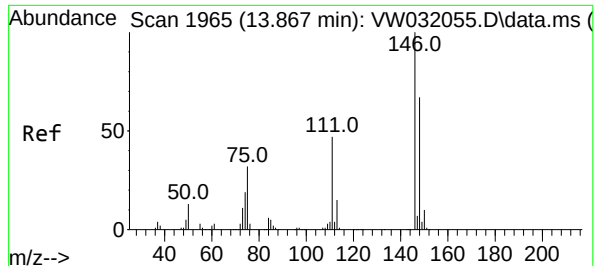
Delta R.T. -0.000 min

Lab File: VW032052.D

Acq: 11 Aug 2025 08:25

Tgt Ion:	117	Resp:	10372
Ion	Ratio	Lower	Upper
117	100		
201	61.2	30.9	92.5





#91

1,2-Dichlorobenzene

Concen: 4.836 ug/l

RT: 13.867 min Scan# 1965

Delta R.T. -0.000 min

Lab File: VW032052.D

Acq: 11 Aug 2025 08:25

Instrument :

MSVOA_W

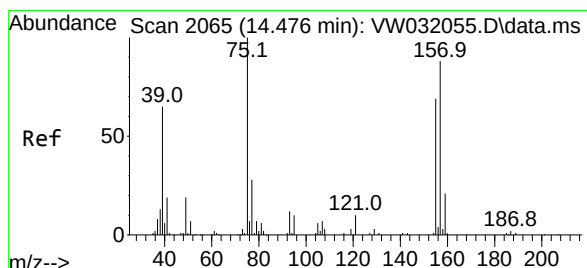
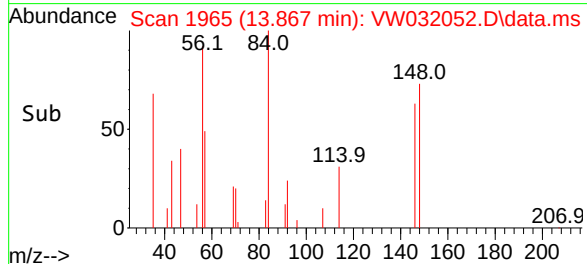
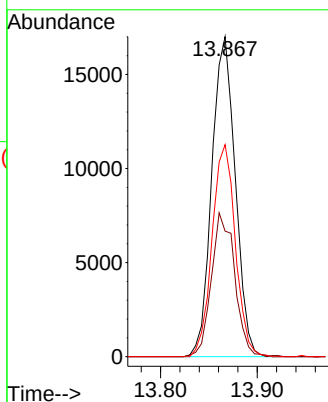
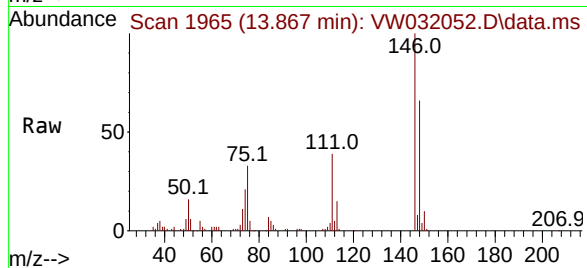
ClientSampleId :

VSTDIC005

Tgt Ion:	146	Resp:	2865
Ion Ratio	Lower	Upper	
146	100		
111	44.7	23.1	69.3
148	65.7	32.9	98.6

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025



#92

1,2-Dibromo-3-Chloropropane

Concen: 5.123 ug/l

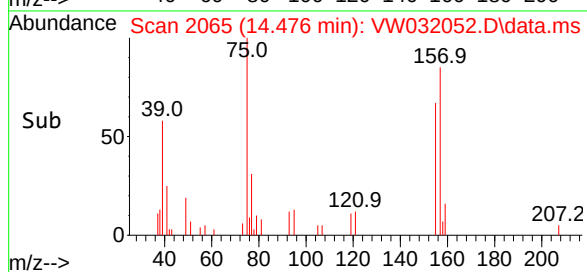
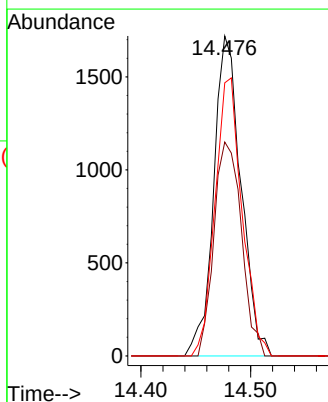
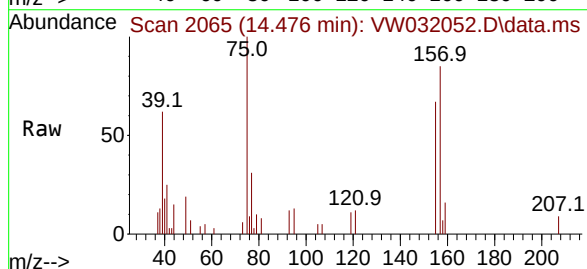
RT: 14.476 min Scan# 2065

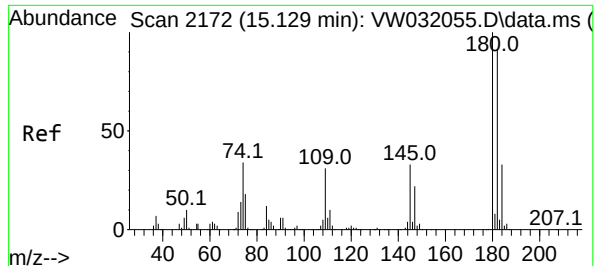
Delta R.T. -0.000 min

Lab File: VW032052.D

Acq: 11 Aug 2025 08:25

Tgt Ion:	75	Resp:	2976
Ion Ratio	Lower	Upper	
75	100		
155	67.4	35.2	105.6
157	86.2	47.5	142.6





#93

1,2,4-Trichlorobenzene

Concen: 4.414 ug/l

RT: 15.123 min Scan# 2172

Delta R.T. -0.006 min

Lab File: VW032052.D

Acq: 11 Aug 2025 08:25

Instrument :

MSVOA_W

ClientSampleId :

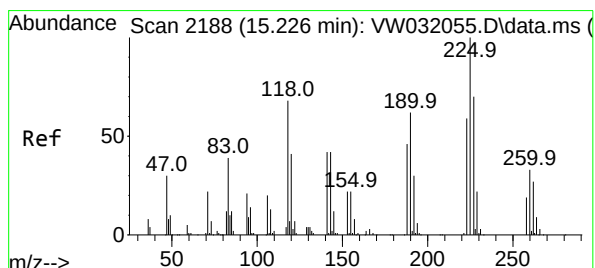
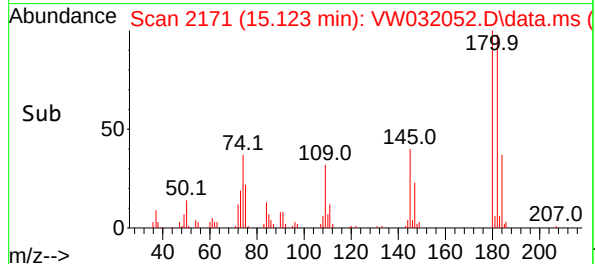
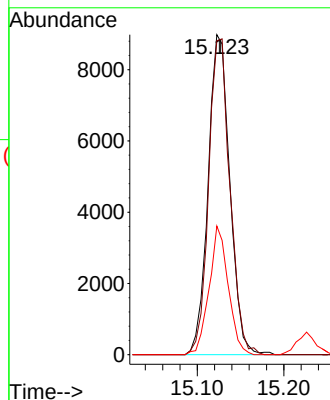
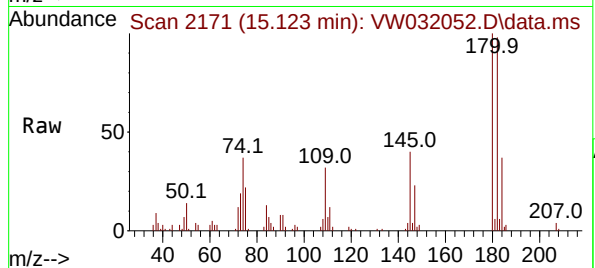
VSTDIC005

Tgt Ion:	180	Resp:	1564
Ion Ratio	Lower	Upper	
180	100		
182	96.8	49.0	147.0
145	35.4	17.3	51.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025



#94

Hexachlorobutadiene

Concen: 5.118 ug/l

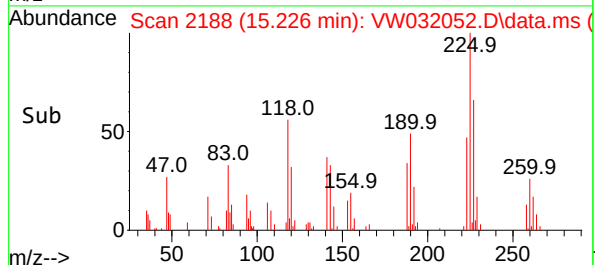
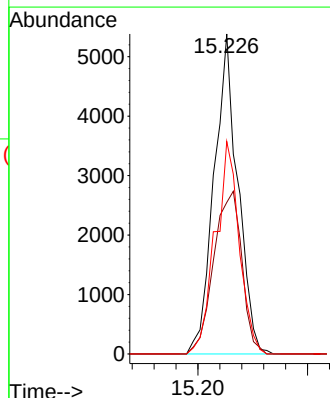
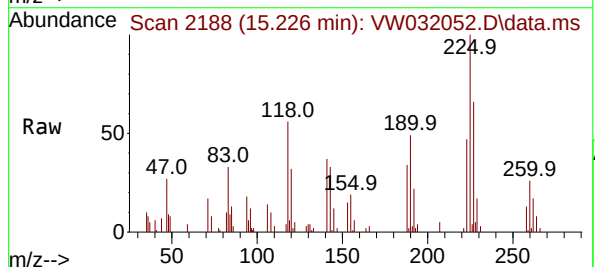
RT: 15.226 min Scan# 2188

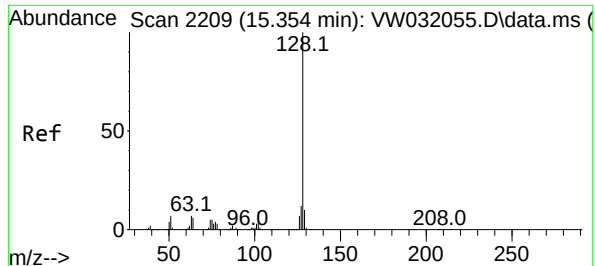
Delta R.T. -0.000 min

Lab File: VW032052.D

Acq: 11 Aug 2025 08:25

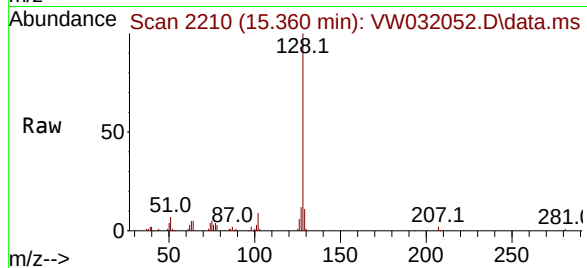
Tgt Ion:	225	Resp:	8109
Ion Ratio	Lower	Upper	
225	100		
223	60.1	31.8	95.3
227	66.8	33.5	100.5





#95
Naphthalene
Concen: 3.991 ug/l
RT: 15.360 min Scan# 2210
Delta R.T. 0.006 min
Lab File: VW032052.D
Acq: 11 Aug 2025 08:25

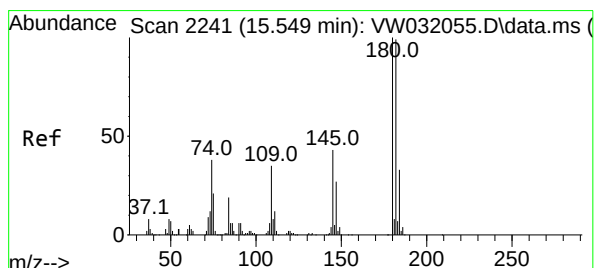
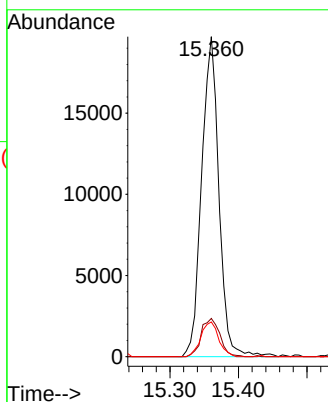
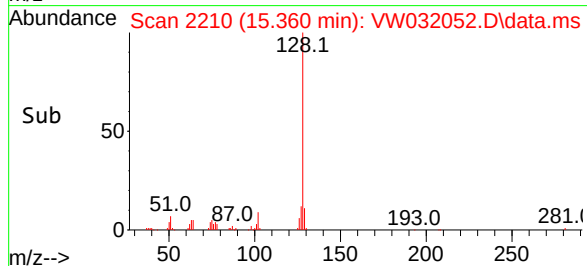
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005



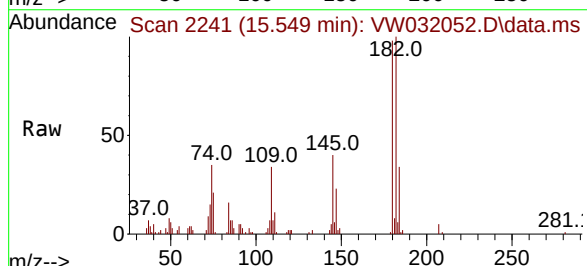
Tgt Ion:128 Resp: 3466
Ion Ratio Lower Upper
128 100
127 12.9 10.5 15.7
129 11.2 8.2 12.4

Manual Integrations
APPROVED

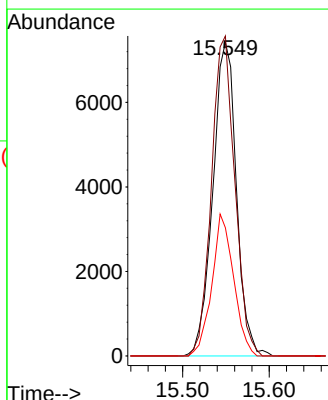
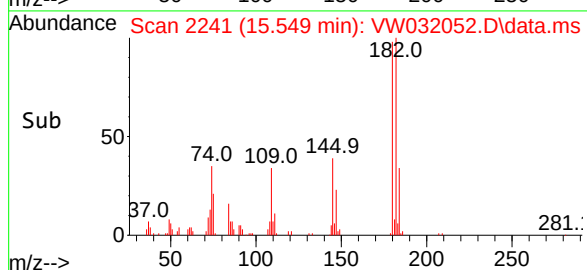
Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025



#96
1,2,3-Trichlorobenzene
Concen: 4.357 ug/l
RT: 15.549 min Scan# 2241
Delta R.T. -0.000 min
Lab File: VW032052.D
Acq: 11 Aug 2025 08:25



Tgt Ion:180 Resp: 14053
Ion Ratio Lower Upper
180 100
182 100.4 46.0 138.0
145 41.7 19.2 57.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081125\
 Data File : VW032053.D
 Acq On : 11 Aug 2025 09:09
 Operator : SY/MD
 Sample : VSTDICC010
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC010

Manual Integrations APPROVED

Reviewed By : Mahesh Dadoda 08/12/2025
 Supervised By : Semsettin Yesilyurt 08/12/2025

Quant Time: Aug 12 03:37:04 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 12 03:34:13 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.959	168	225221	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	426784	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	385631	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	181281	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.319	65	33671	10.337	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	20.680%#
35) Dibromofluoromethane	7.904	113	27978	10.147	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	20.300%#
50) Toluene-d8	10.331	98	100702	9.875	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	19.740%#
62) 4-Bromofluorobenzene	12.617	95	36748	9.778	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	19.560%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.039	85	17258	10.714	ug/l	99
3) Chloromethane	2.253	50	21693	9.998	ug/l	91
4) Vinyl Chloride	2.405	62	27978	10.660	ug/l	92
5) Bromomethane	2.826	94	20345	10.332	ug/l	93
6) Chloroethane	2.966	64	17509	10.081	ug/l	98
7) Trichlorofluoromethane	3.301	101	19623	9.333	ug/l	99
8) Diethyl Ether	3.716	74	17227	10.000	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.100	101	25491	10.276	ug/l	99
10) Methyl Iodide	4.301	142	35515	10.098	ug/l	98
11) Tert butyl alcohol	5.228	59	10754	50.985	ug/l	98
12) 1,1-Dichloroethene	4.082	96	27944	10.231	ug/l	99
13) Acrolein	3.929	56	18650	55.493	ug/l	94
14) Allyl chloride	4.704	41	39114	9.839	ug/l	100
15) Acrylonitrile	5.405	53	42536	51.842	ug/l	100
16) Acetone	4.161	43	40816	54.122	ug/l	99
17) Carbon Disulfide	4.423	76	72806	9.931	ug/l	97
18) Methyl Acetate	4.716	43	27191	11.394	ug/l	99
19) Methyl tert-butyl Ether	5.460	73	47872	9.947	ug/l	97
20) Methylene Chloride	4.960	84	35462	10.170	ug/l	95
21) trans-1,2-Dichloroethene	5.454	96	28875	9.962	ug/l	93
22) Diisopropyl ether	6.344	45	84045	10.029	ug/l	97
23) Vinyl Acetate	6.283	43	259050	47.081	ug/l	99
24) 1,1-Dichloroethane	6.240	63	54051	10.095	ug/l	98
25) 2-Butanone	7.197	43	54327	50.685	ug/l	98
26) 2,2-Dichloropropane	7.185	77	27463	10.224	ug/l	100
27) cis-1,2-Dichloroethene	7.191	96	33173	9.791	ug/l	99
28) Bromochloromethane	7.532	49	24412	10.019	ug/l	99
29) Tetrahydrofuran	7.557	42	35909	50.800	ug/l	99
30) Chloroform	7.697	83	57170	10.071	ug/l	99
31) Cyclohexane	7.971	56	48633	10.477	ug/l #	95
32) 1,1,1-Trichloroethane	7.886	97	42747	10.368	ug/l	97
36) 1,1-Dichloropropene	8.093	75	38994	10.032	ug/l	99
37) Ethyl Acetate	7.276	43	23053	10.070	ug/l	96
38) Carbon Tetrachloride	8.081	117	37535	10.007	ug/l	91
39) Methylcyclohexane	9.343	83	46100	9.731	ug/l	96
40) Benzene	8.337	78	121462	10.053	ug/l	95

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081125\
 Data File : VW032053.D
 Acq On : 11 Aug 2025 09:09
 Operator : SY/MD
 Sample : VSTDICC010
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC010

Quant Time: Aug 12 03:37:04 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 12 03:34:13 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025
 Supervised By :Semsettin Yesilyurt 08/12/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.502	41	11729	9.035	ug/l #	90
42) 1,2-Dichloroethane	8.410	62	39882	10.316	ug/l	100
43) Isopropyl Acetate	8.435	43	41036	9.743	ug/l	98
44) Trichloroethene	9.105	130	28498	9.905	ug/l	99
45) 1,2-Dichloropropane	9.374	63	29199	10.004	ug/l	98
46) Dibromomethane	9.471	93	18653	9.901	ug/l	98
47) Bromodichloromethane	9.654	83	42618	9.818	ug/l	98
48) Methyl methacrylate	9.441	41	19654	9.666	ug/l	98
49) 1,4-Dioxane	9.465	88	4684	192.302	ug/l	99
51) 4-Methyl-2-Pentanone	10.215	43	121419	51.075	ug/l	99
52) Toluene	10.392	92	75250	9.888	ug/l	100
53) t-1,3-Dichloropropene	10.605	75	38397	9.441	ug/l	96
54) cis-1,3-Dichloropropene	10.075	75	44031	9.543	ug/l	97
55) 1,1,2-Trichloroethane	10.788	97	25277	10.097	ug/l	96
56) Ethyl methacrylate	10.648	69	31022	9.260	ug/l	97
57) 1,3-Dichloropropane	10.934	76	44743	10.254	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.928	63	88627	47.830	ug/l	100
59) 2-Hexanone	10.971	43	82830	50.310	ug/l	97
60) Dibromochloromethane	11.129	129	27954	9.776	ug/l	100
61) 1,2-Dibromoethane	11.239	107	24146	9.926	ug/l	99
64) Tetrachloroethene	10.867	164	23235	10.431	ug/l	90
65) Chlorobenzene	11.660	112	86096	10.257	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.733	131	26286	10.037	ug/l	97
67) Ethyl Benzene	11.733	91	139254	9.794	ug/l	98
68) m/p-Xylenes	11.837	106	108990	19.866	ug/l	98
69) o-Xylene	12.166	106	49259	9.714	ug/l	97
70) Styrene	12.184	104	87542	9.719	ug/l	99
71) Bromoform	12.349	173	14547	9.711	ug/l #	97
73) Isopropylbenzene	12.464	105	125246	9.886	ug/l	98
74) N-amyl acetate	12.269	43	35636	9.804	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.714	83	31581	10.499	ug/l	99
76) 1,2,3-Trichloropropane	12.763	75	25489m	9.147	ug/l	
77) Bromobenzene	12.745	156	31656	10.462	ug/l	98
78) n-propylbenzene	12.800	91	156266	10.019	ug/l	98
79) 2-Chlorotoluene	12.891	91	96942	10.071	ug/l	98
80) 1,3,5-Trimethylbenzene	12.940	105	108123	10.053	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.513	75	8936	9.403	ug/l	90
82) 4-Chlorotoluene	12.989	91	103329	10.103	ug/l	100
83) tert-Butylbenzene	13.202	119	86848	9.729	ug/l	100
84) 1,2,4-Trimethylbenzene	13.245	105	110697	10.110	ug/l	99
85) sec-Butylbenzene	13.379	105	131663	9.756	ug/l	98
86) p-Isopropyltoluene	13.495	119	110557	9.827	ug/l	98
87) 1,3-Dichlorobenzene	13.495	146	62383	10.361	ug/l	97
88) 1,4-Dichlorobenzene	13.574	146	62843	10.328	ug/l	98
89) n-Butylbenzene	13.818	91	108004	9.881	ug/l	99
90) Hexachloroethane	14.086	117	20175	9.805	ug/l	96
91) 1,2-Dichlorobenzene	13.867	146	56501	10.359	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.482	75	5305	9.920	ug/l	95
93) 1,2,4-Trichlorobenzene	15.129	180	31816	9.751	ug/l	97
94) Hexachlorobutadiene	15.232	225	14987	10.276	ug/l	98
95) Naphthalene	15.360	128	76287	9.542	ug/l	99
96) 1,2,3-Trichlorobenzene	15.549	180	28678	9.660	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081125\
Data File : VW032053.D
Acq On : 11 Aug 2025 09:09
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025

Quant Time: Aug 12 03:37:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 12 03:34:13 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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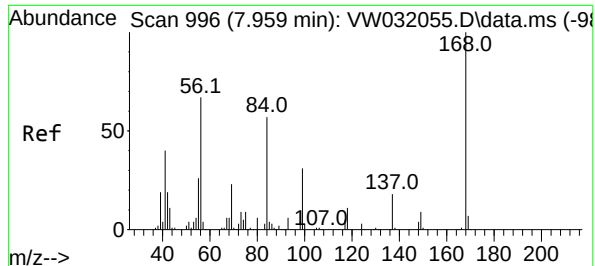
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Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

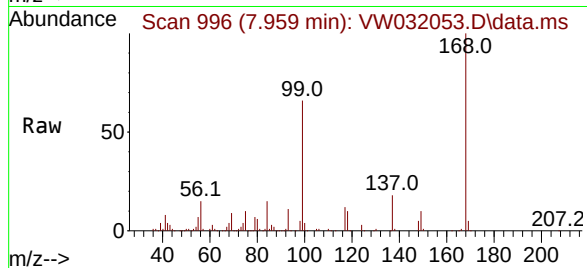
Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 996
Delta R.T. 0.000 min
Lab File: VW032053.D
Acq: 11 Aug 2025 09:09

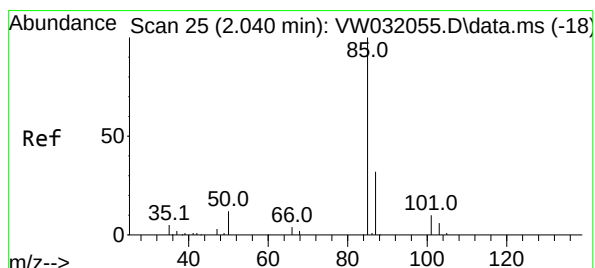
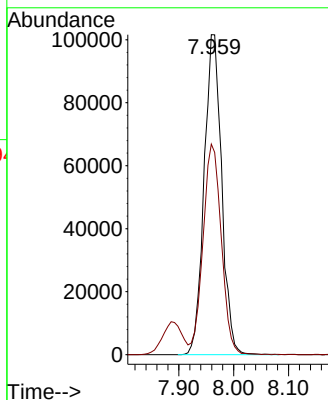
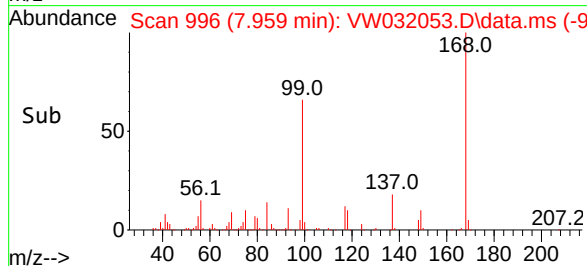
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010



Tgt Ion: 168 Resp: 22522
Ion Ratio Lower Upper
168 100
99 65.7 56.0 84.0

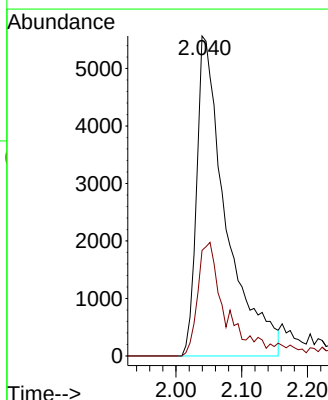
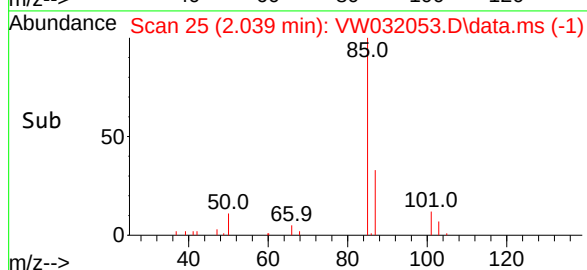
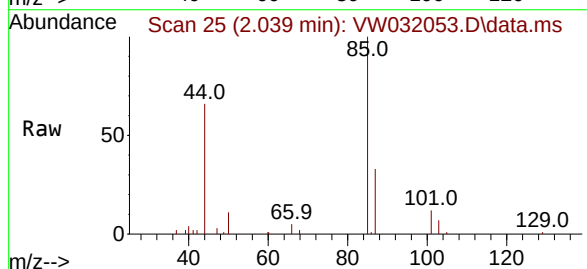
Manual Integrations
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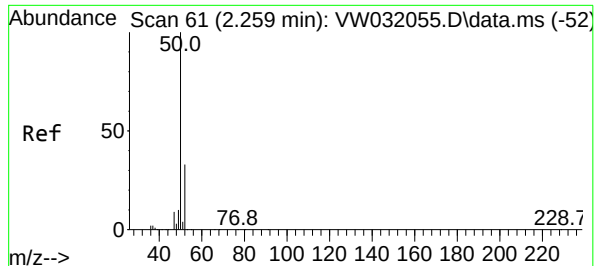
Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025



#2
Dichlorodifluoromethane
Concen: 10.714 ug/l
RT: 2.039 min Scan# 25
Delta R.T. -0.000 min
Lab File: VW032053.D
Acq: 11 Aug 2025 09:09

Tgt Ion: 85 Resp: 17258
Ion Ratio Lower Upper
85 100
87 33.0 16.2 48.6





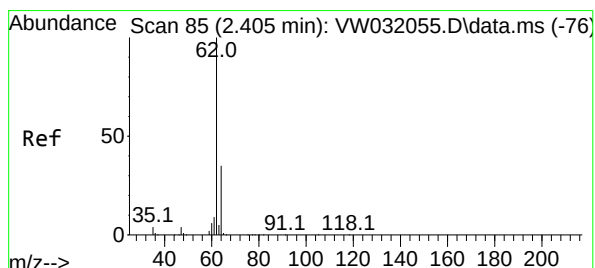
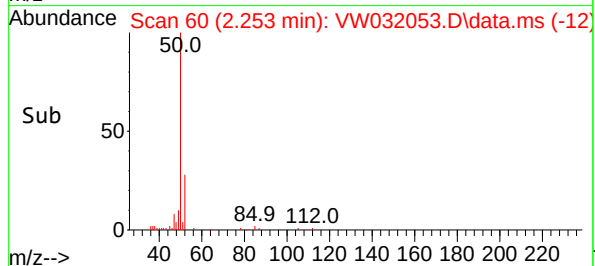
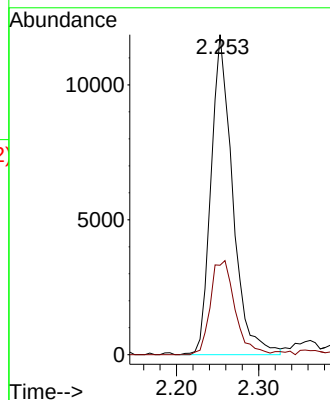
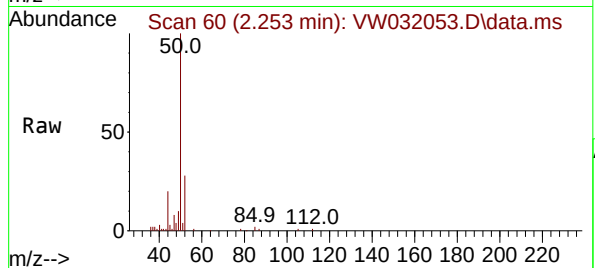
#3
Chloromethane
Concen: 9.998 ug/l
RT: 2.253 min Scan# 60
Delta R.T. -0.006 min
Lab File: VW032053.D
Acq: 11 Aug 2025 09:09

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Tgt Ion: 50 Resp: 2169
Ion Ratio Lower Upper
50 100
52 27.9 26.6 39.8

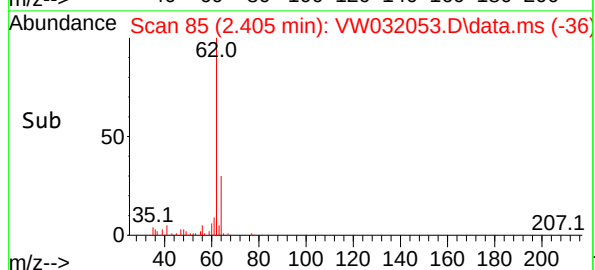
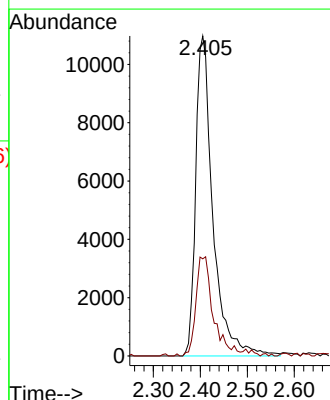
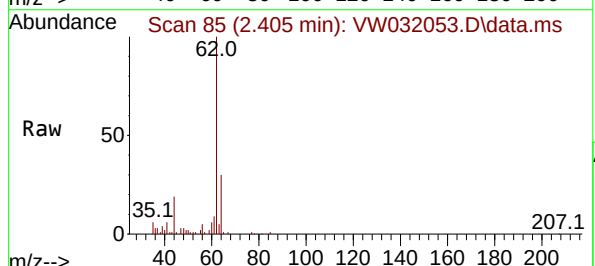
Manual Integrations
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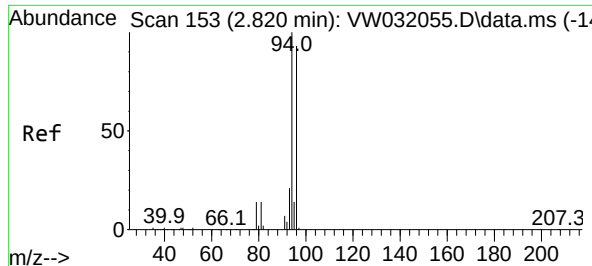
Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025



#4
Vinyl Chloride
Concen: 10.660 ug/l
RT: 2.405 min Scan# 85
Delta R.T. -0.000 min
Lab File: VW032053.D
Acq: 11 Aug 2025 09:09

Tgt Ion: 62 Resp: 27978
Ion Ratio Lower Upper
62 100
64 30.3 27.8 41.6





#5

Bromomethane

Concen: 10.332 ug/l

RT: 2.826 min Scan# 11

Delta R.T. 0.006 min

Lab File: VW032053.D

Acq: 11 Aug 2025 09:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC010

Tgt Ion: 94 Resp: 2034

Ion Ratio Lower Upper

94 100

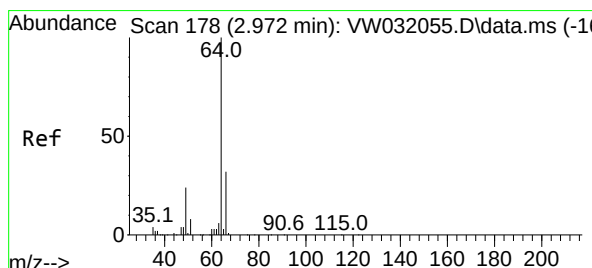
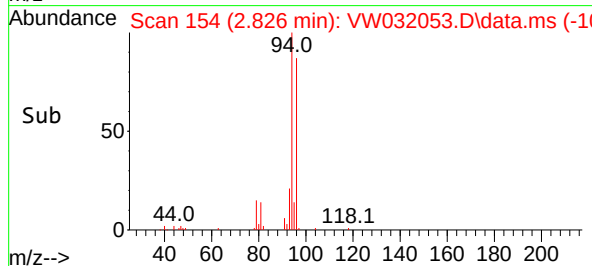
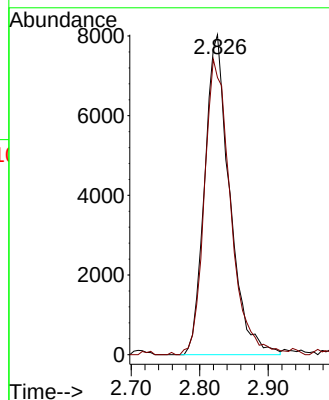
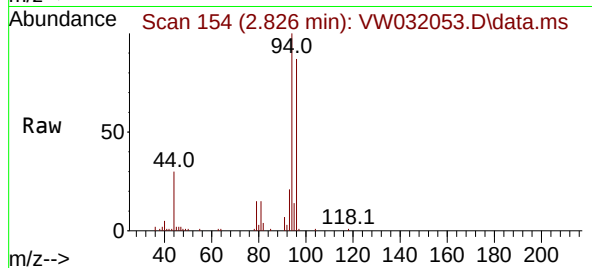
96 86.6 74.7 112.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025

Supervised By :Semsettin Yesilyurt 08/12/2025



#6

Chloroethane

Concen: 10.081 ug/l

RT: 2.966 min Scan# 177

Delta R.T. -0.006 min

Lab File: VW032053.D

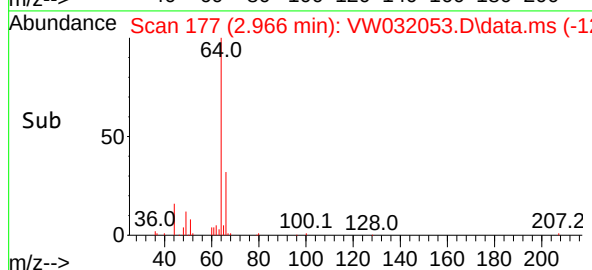
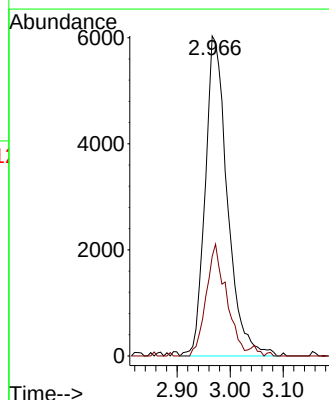
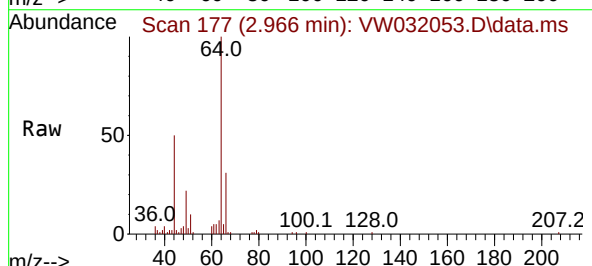
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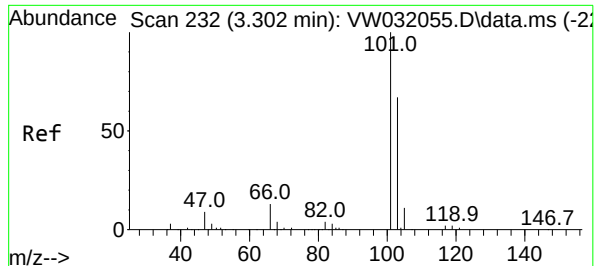
Tgt Ion: 64 Resp: 17509

Ion Ratio Lower Upper

64 100

66 31.2 26.0 39.0





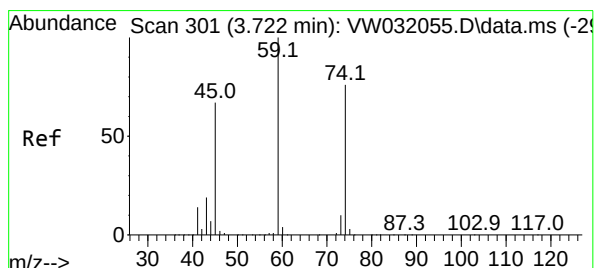
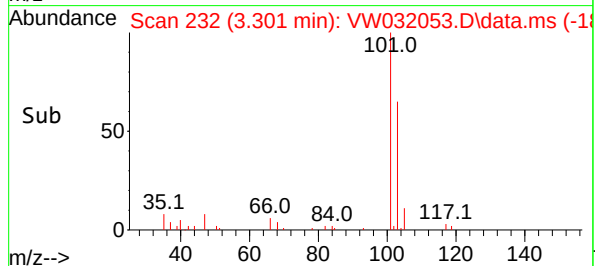
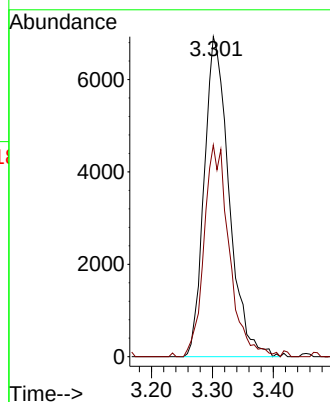
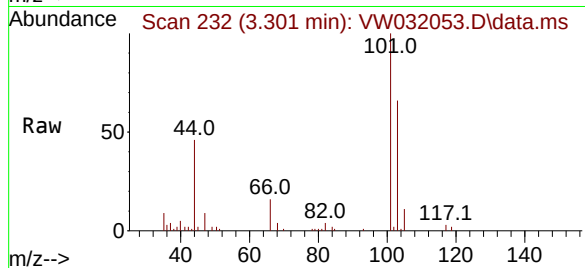
#7
Trichlorofluoromethane
Concen: 9.333 ug/l
RT: 3.301 min Scan# 21
Delta R.T. -0.000 min
Lab File: VW032053.D
Acq: 11 Aug 2025 09:09

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Tgt Ion: 101 Resp: 1962
Ion Ratio Lower Upper
101 100
103 66.2 53.4 80.0

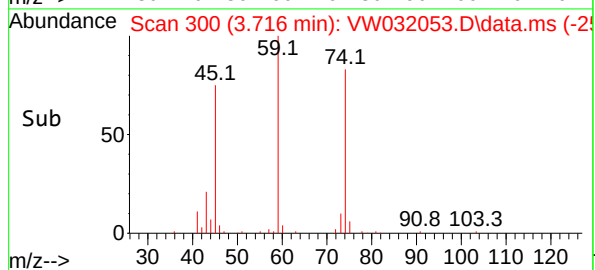
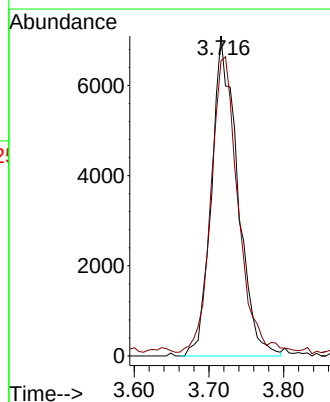
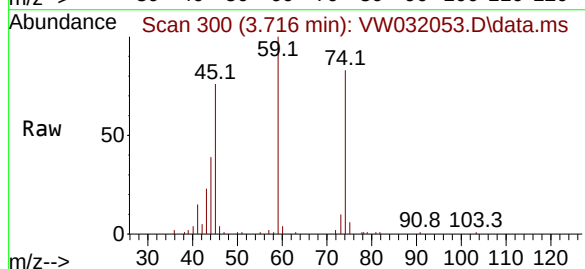
Manual Integrations
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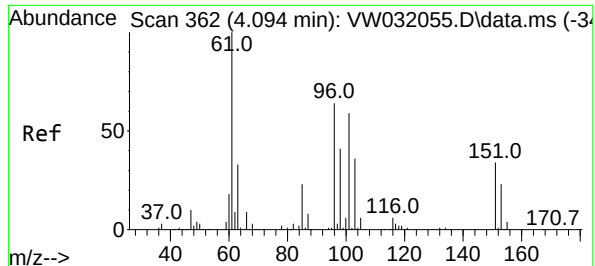
Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025



#8
Diethyl Ether
Concen: 10.000 ug/l
RT: 3.716 min Scan# 300
Delta R.T. -0.006 min
Lab File: VW032053.D
Acq: 11 Aug 2025 09:09

Tgt Ion: 74 Resp: 17227
Ion Ratio Lower Upper
74 100
45 95.9 45.4 136.2





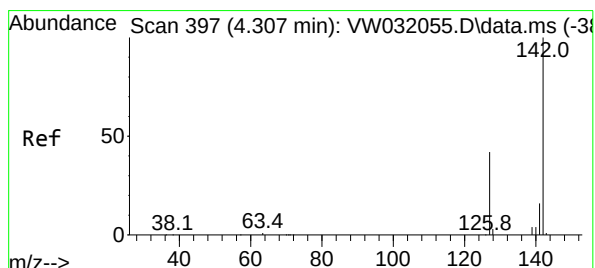
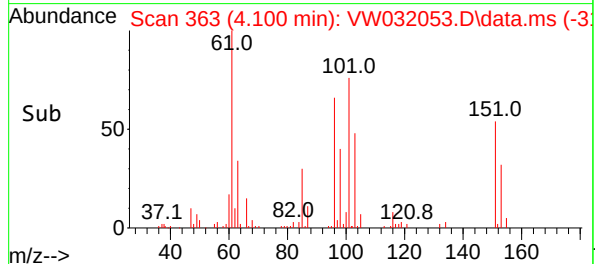
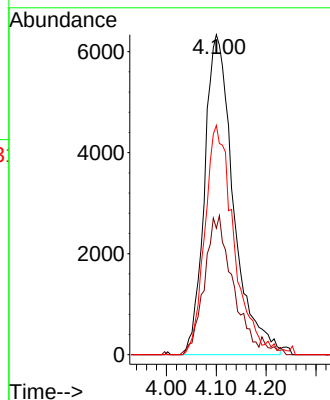
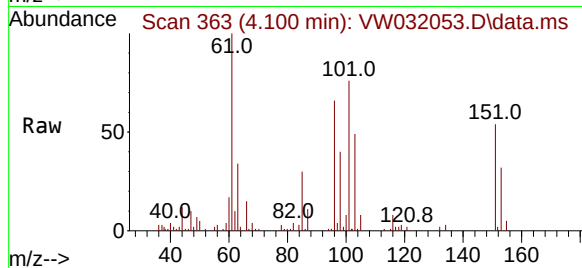
#9
1,1,2-Trichlorotrifluoroethane
Concen: 10.276 ug/l
RT: 4.100 min Scan# 362
Delta R.T. 0.006 min
Lab File: VW032053.D
Acq: 11 Aug 2025 09:09

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Tgt Ion:101 Resp: 2549
Ion Ratio Lower Upper
101 100
85 42.4 34.9 52.3
151 70.9 56.2 84.4

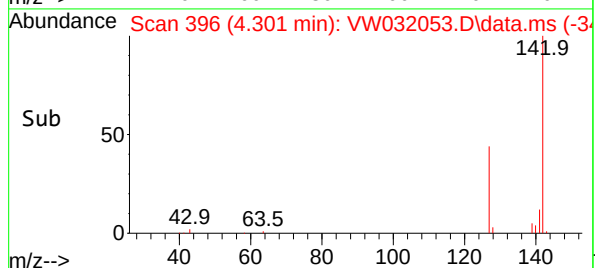
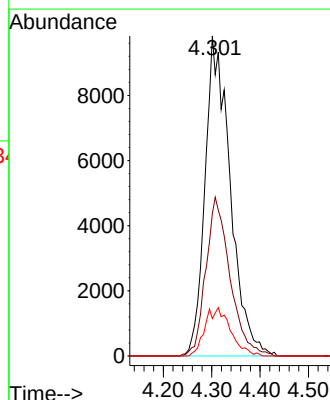
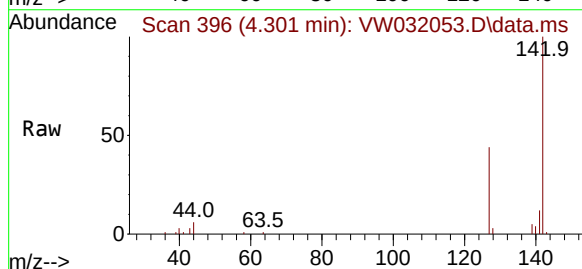
Manual Integrations
APPROVED

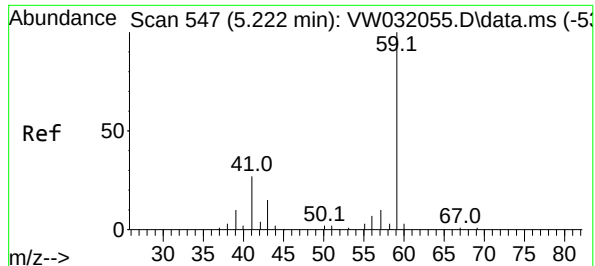
Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025



#10
Methyl Iodide
Concen: 10.098 ug/l
RT: 4.301 min Scan# 396
Delta R.T. -0.006 min
Lab File: VW032053.D
Acq: 11 Aug 2025 09:09

Tgt Ion:142 Resp: 35515
Ion Ratio Lower Upper
142 100
127 47.6 36.6 55.0
141 15.4 12.1 18.1





#11

Tert butyl alcohol

Concen: 50.985 ug/l

RT: 5.228 min Scan# 54

Delta R.T. 0.006 min

Lab File: VW032053.D

Acq: 11 Aug 2025 09:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC010

Tgt Ion: 59 Resp: 10754

Ion Ratio Lower Upper

59 100

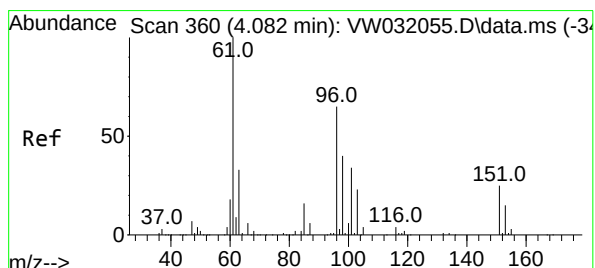
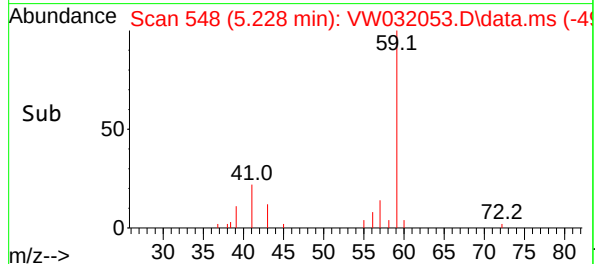
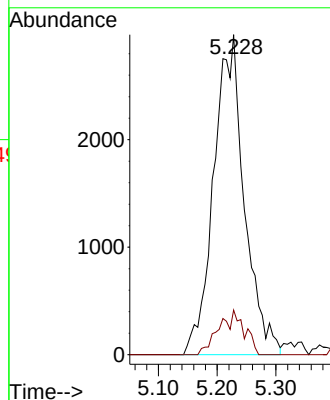
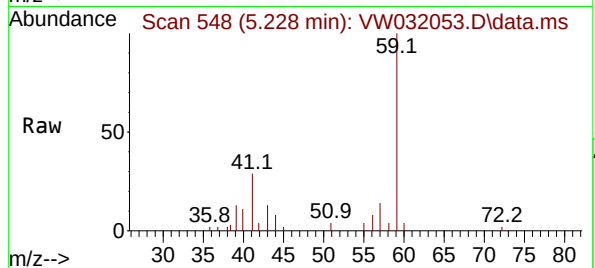
57 11.7 8.7 13.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025

Supervised By :Semsettin Yesilyurt 08/12/2025



#12

1,1-Dichloroethene

Concen: 10.231 ug/l

RT: 4.082 min Scan# 360

Delta R.T. -0.000 min

Lab File: VW032053.D

Acq: 11 Aug 2025 09:09

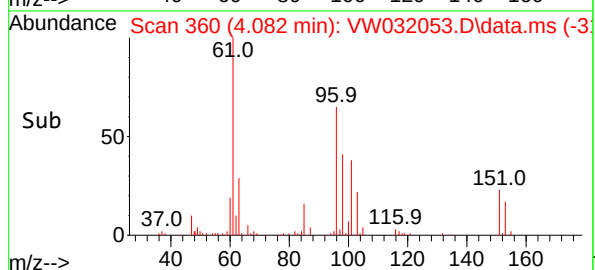
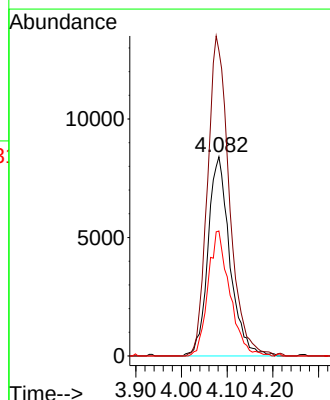
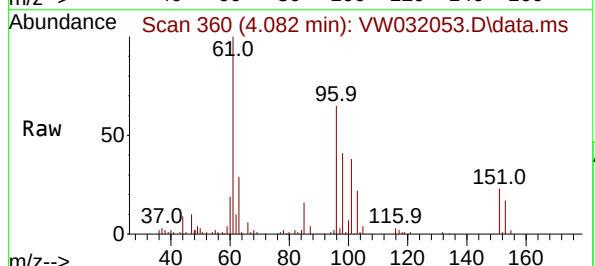
Tgt Ion: 96 Resp: 27944

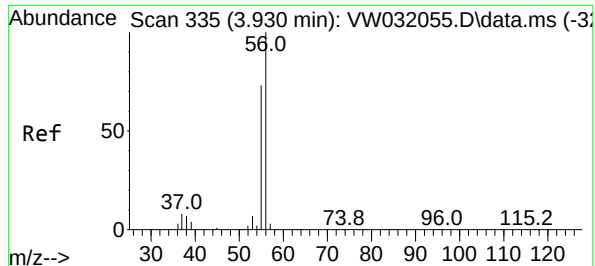
Ion Ratio Lower Upper

96 100

61 153.3 123.4 185.2

98 62.7 49.5 74.3





#13

Acrolein

Concen: 55.493 ug/l

RT: 3.929 min Scan# 335

Delta R.T. -0.000 min

Lab File: VW032053.D

Acq: 11 Aug 2025 09:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tgt Ion: 56 Resp: 18650

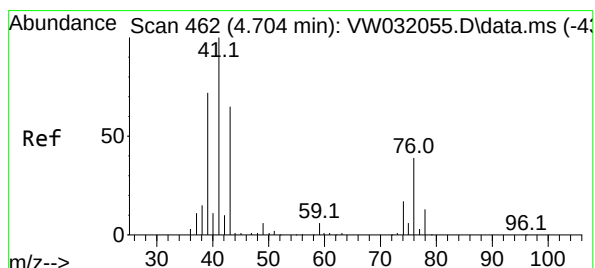
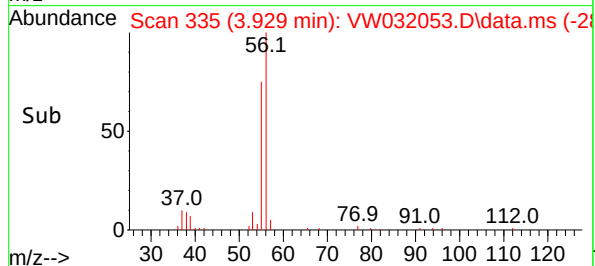
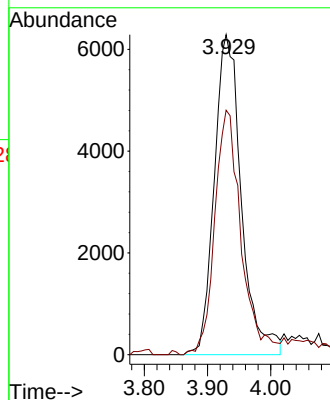
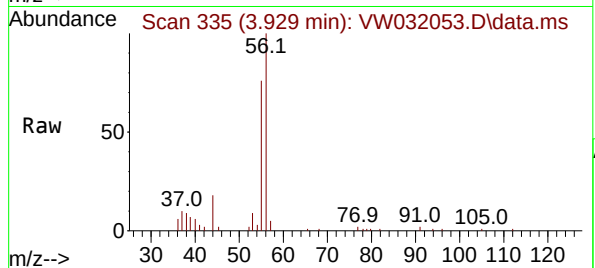
Ion Ratio Lower Upper

56 100

55 74.5 55.4 83.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025

#14

Allyl chloride

Concen: 9.839 ug/l

RT: 4.704 min Scan# 462

Delta R.T. -0.000 min

Lab File: VW032053.D

Acq: 11 Aug 2025 09:09

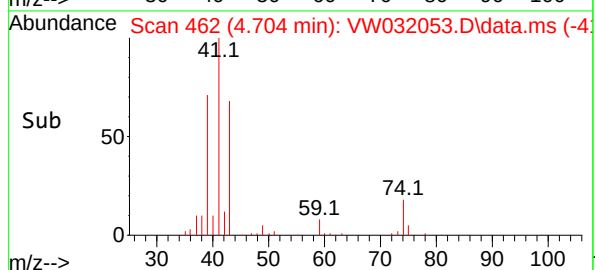
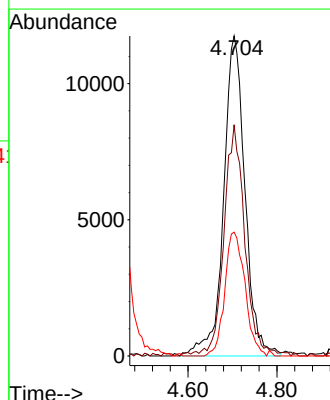
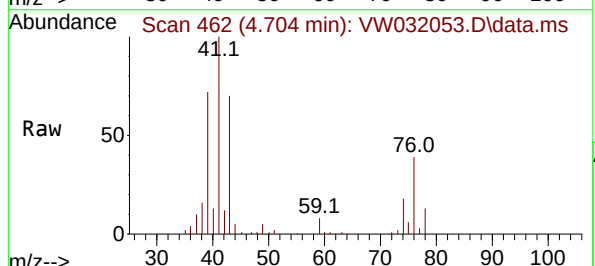
Tgt Ion: 41 Resp: 39114

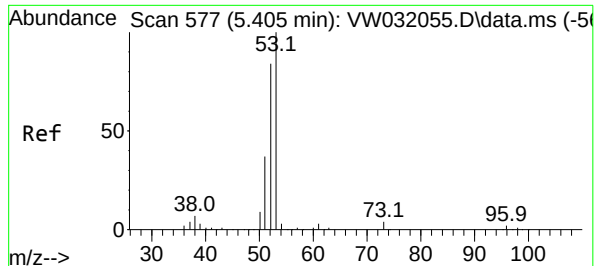
Ion Ratio Lower Upper

41 100

39 68.2 54.5 81.7

76 36.6 29.3 43.9





#15

Acrylonitrile

Concen: 51.842 ug/l

RT: 5.405 min Scan# 51

Delta R.T. -0.000 min

Lab File: VW032053.D

Acq: 11 Aug 2025 09:09

Instrument :

MSVOA_W

ClientSampleId :

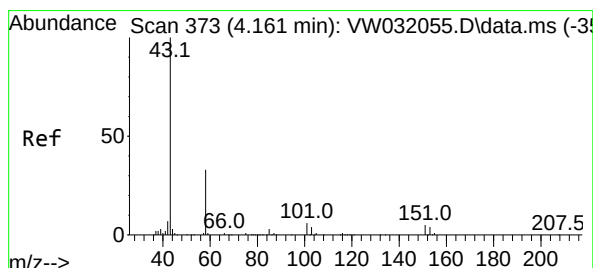
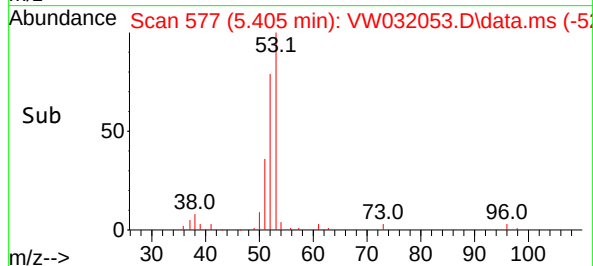
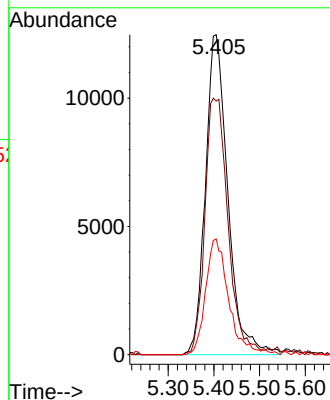
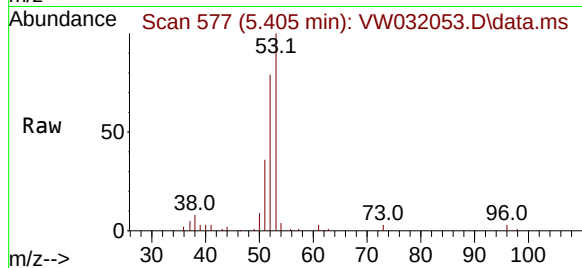
VSTDICC010

Tgt Ion:	53	Resp:	4253
Ion	Ratio	Lower	Upper
53	100		
52	82.5	66.1	99.1
51	37.3	29.2	43.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025



#16

Acetone

Concen: 54.122 ug/l

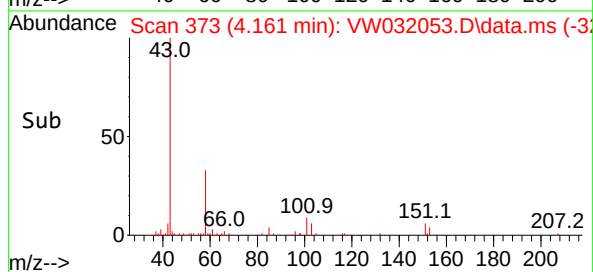
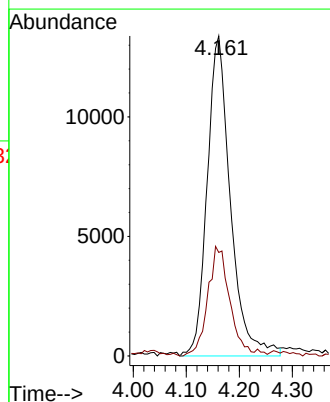
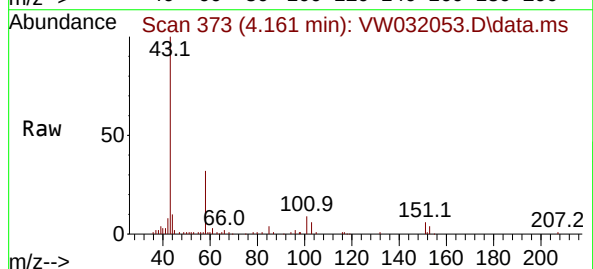
RT: 4.161 min Scan# 373

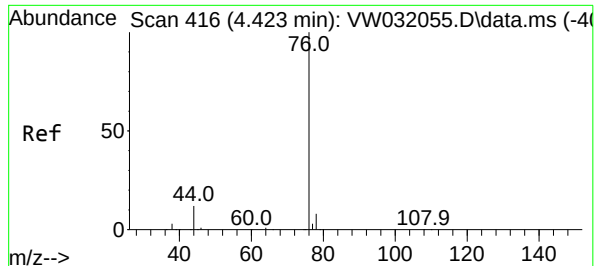
Delta R.T. -0.000 min

Lab File: VW032053.D

Acq: 11 Aug 2025 09:09

Tgt Ion:	43	Resp:	40816
Ion	Ratio	Lower	Upper
43	100		
58	32.4	26.6	39.8





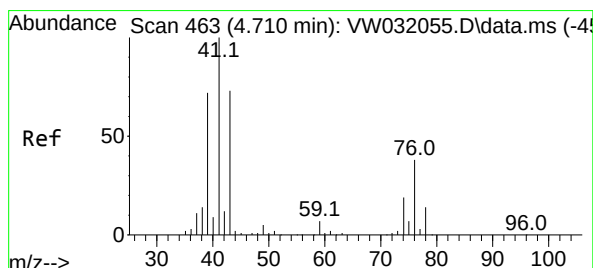
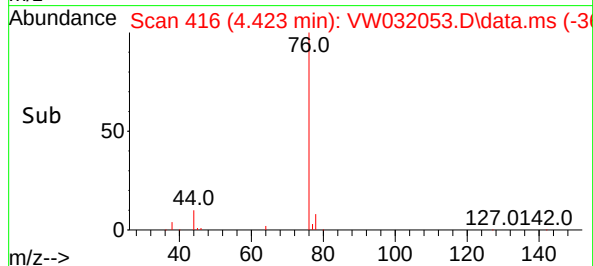
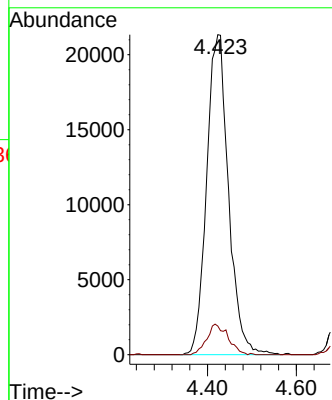
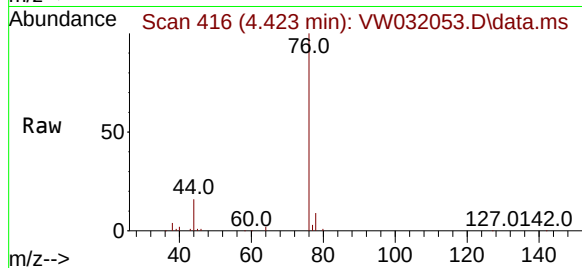
#17
Carbon Disulfide
Concen: 9.931 ug/l
RT: 4.423 min Scan# 416
Delta R.T. -0.000 min
Lab File: VW032053.D
Acq: 11 Aug 2025 09:09

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Tgt Ion: 76 Resp: 72800
Ion Ratio Lower Upper
76 100
78 9.0 6.4 9.6

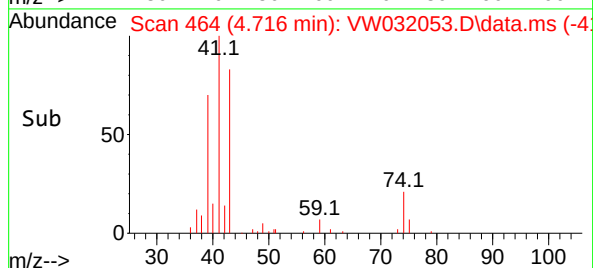
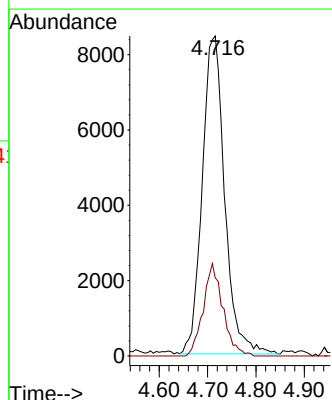
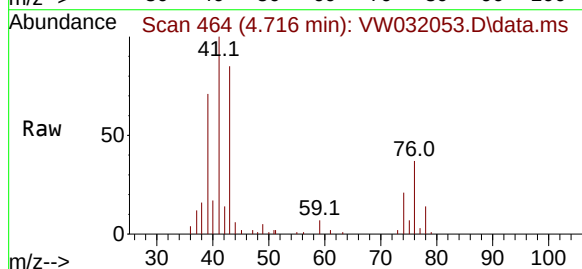
Manual Integrations
APPROVED

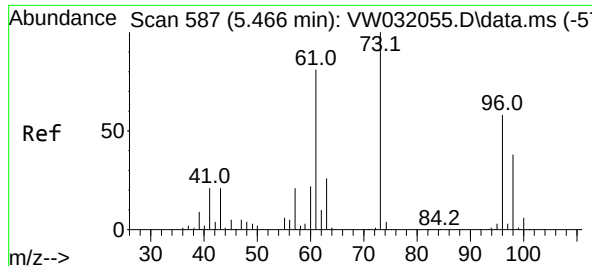
Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025



#18
Methyl Acetate
Concen: 11.394 ug/l
RT: 4.716 min Scan# 464
Delta R.T. 0.006 min
Lab File: VW032053.D
Acq: 11 Aug 2025 09:09

Tgt Ion: 43 Resp: 27191
Ion Ratio Lower Upper
43 100
74 25.5 20.6 31.0





#19

Methyl tert-butyl Ether

Concen: 9.947 ug/l

RT: 5.460 min Scan# 587

Delta R.T. -0.006 min

Lab File: VW032053.D

Acq: 11 Aug 2025 09:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC010

Tgt Ion: 73 Resp: 4787

Ion Ratio Lower Upper

73 100

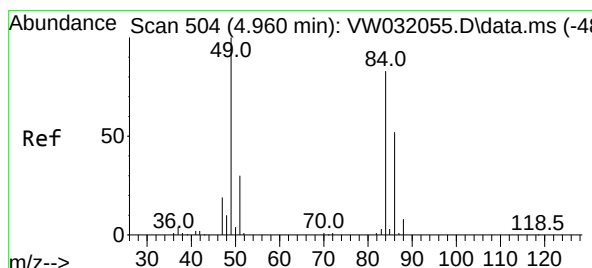
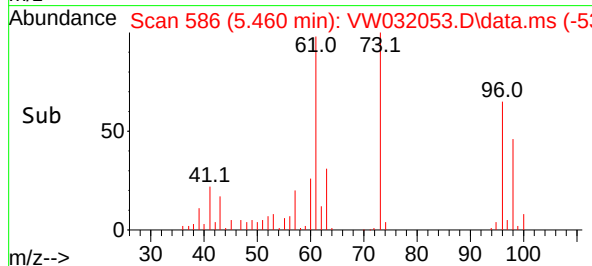
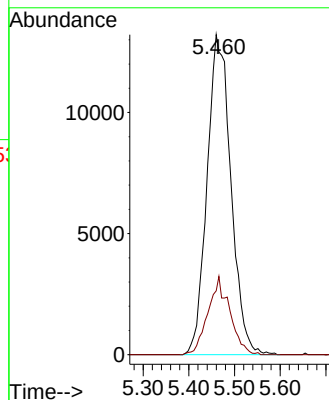
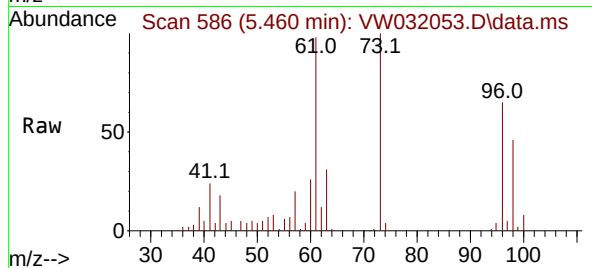
57 20.0 17.2 25.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025

Supervised By :Semsettin Yesilyurt 08/12/2025



#20

Methylene Chloride

Concen: 10.170 ug/l

RT: 4.960 min Scan# 504

Delta R.T. -0.000 min

Lab File: VW032053.D

Acq: 11 Aug 2025 09:09

Tgt Ion: 84 Resp: 35462

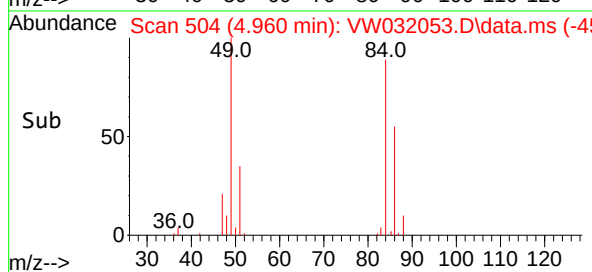
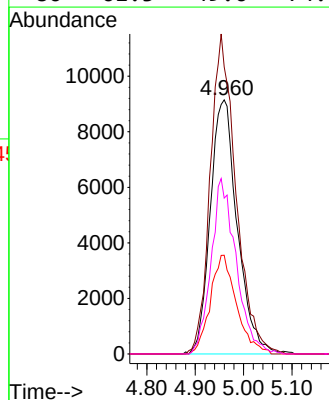
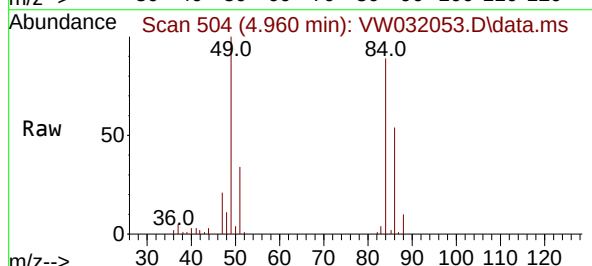
Ion Ratio Lower Upper

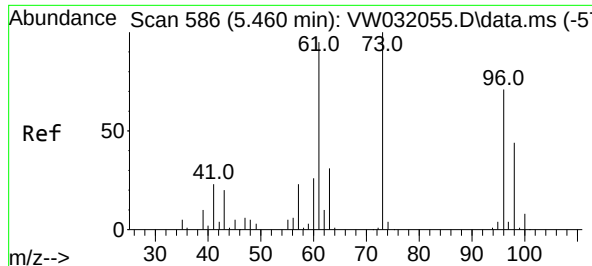
84 100

49 113.0 95.9 143.9

51 38.9 28.6 43.0

86 61.3 49.6 74.4





#21

trans-1,2-Dichloroethene

Concen: 9.962 ug/l

RT: 5.454 min Scan# 586

Delta R.T. -0.006 min

Lab File: VW032053.D

Acq: 11 Aug 2025 09:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tgt Ion: 96 Resp: 2887

Ion Ratio Lower Upper

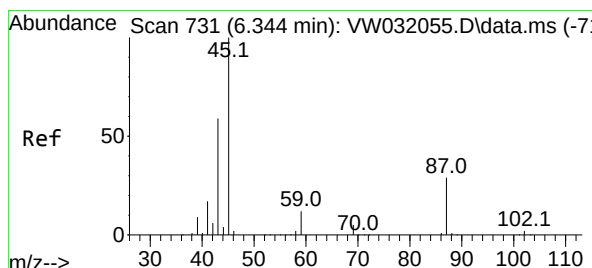
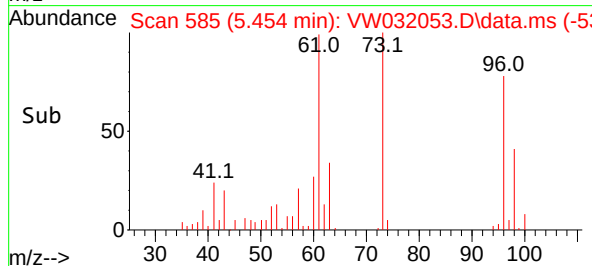
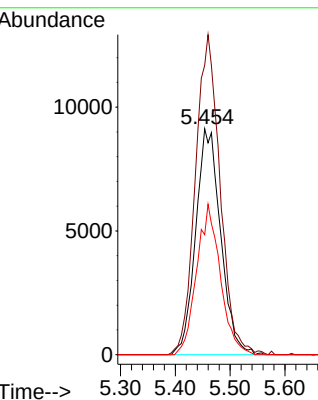
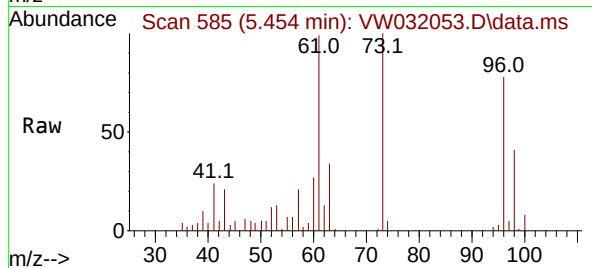
96 100

61 128.0 106.8 160.2

98 53.2 49.6 74.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025

#22

Diisopropyl ether

Concen: 10.029 ug/l

RT: 6.344 min Scan# 731

Delta R.T. -0.000 min

Lab File: VW032053.D

Acq: 11 Aug 2025 09:09

Tgt Ion: 45 Resp: 84045

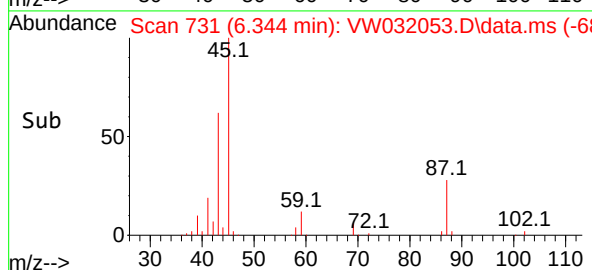
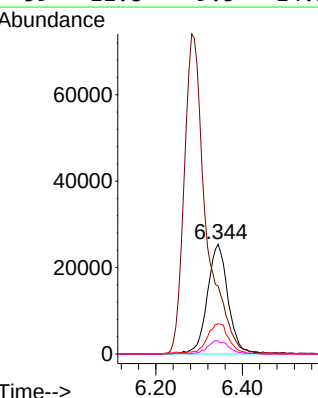
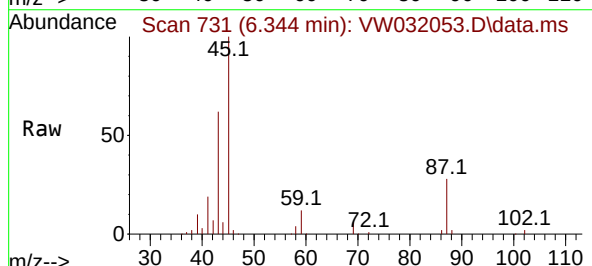
Ion Ratio Lower Upper

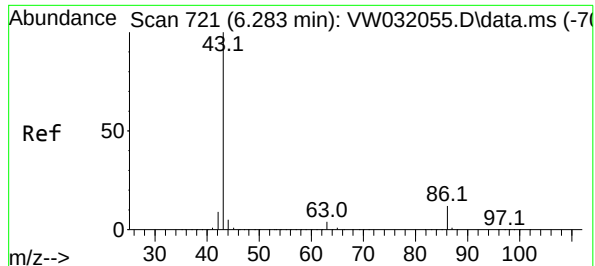
45 100

43 61.0 47.0 70.4

87 27.5 23.8 35.8

59 11.8 9.5 14.3





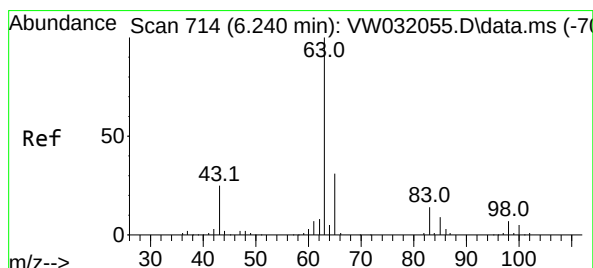
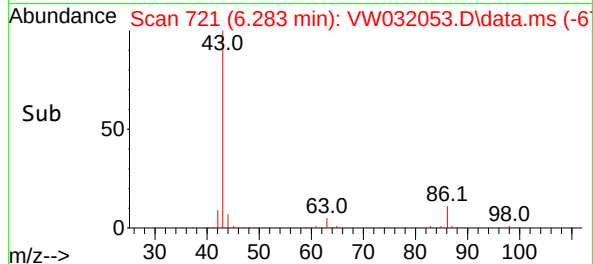
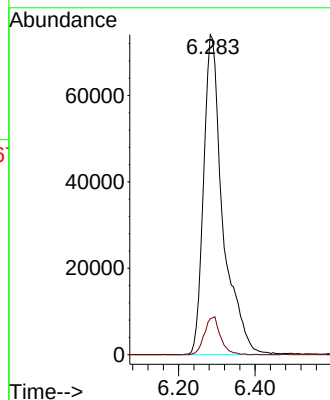
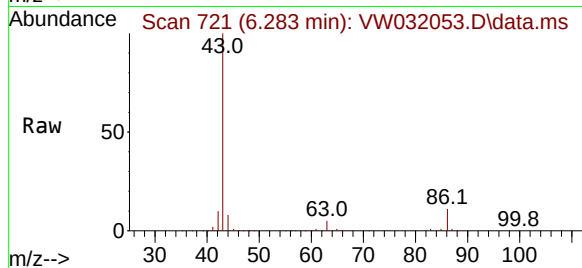
#23
Vinyl Acetate
Concen: 47.081 ug/l
RT: 6.283 min Scan# 714
Delta R.T. -0.000 min
Lab File: VW032053.D
Acq: 11 Aug 2025 09:09

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Tgt Ion: 43 Resp: 259050
Ion Ratio Lower Upper
43 100
86 11.2 9.4 14.0

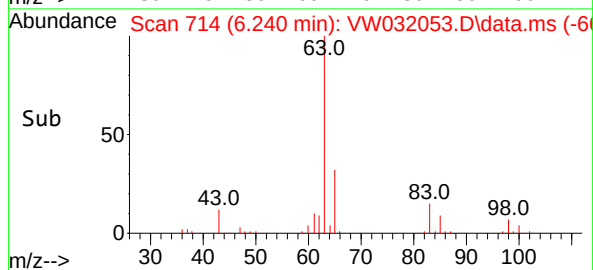
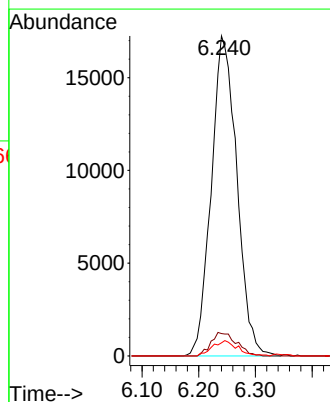
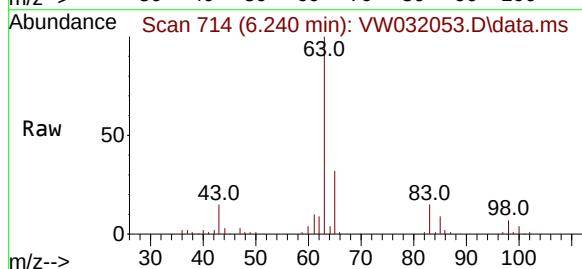
Manual Integrations
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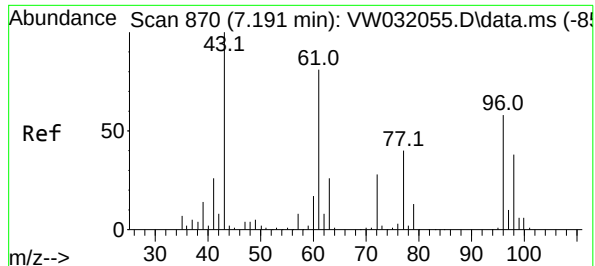
Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025



#24
1,1-Dichloroethane
Concen: 10.095 ug/l
RT: 6.240 min Scan# 714
Delta R.T. -0.000 min
Lab File: VW032053.D
Acq: 11 Aug 2025 09:09

Tgt Ion: 63 Resp: 54051
Ion Ratio Lower Upper
63 100
98 7.0 3.7 11.1
100 4.1 2.5 7.4





#25

2-Butanone

Concen: 50.685 ug/l

RT: 7.197 min Scan# 81

Delta R.T. 0.006 min

Lab File: VW032053.D

Acq: 11 Aug 2025 09:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tgt Ion: 43 Resp: 5432

Ion Ratio Lower Upper

43 100

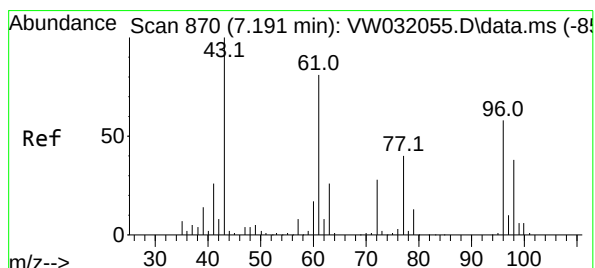
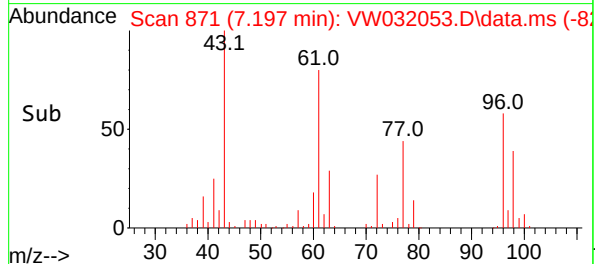
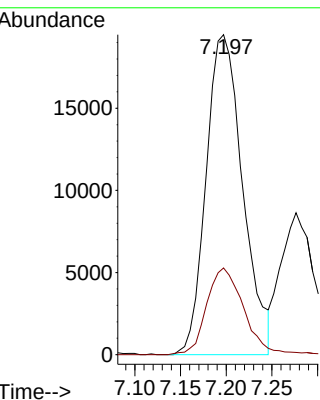
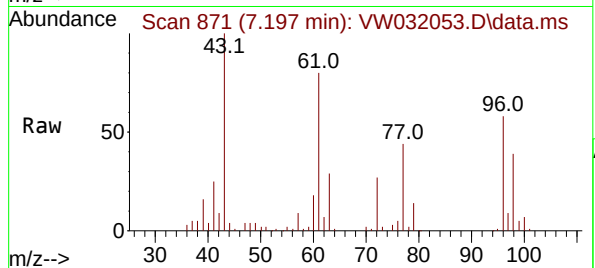
72 27.1 22.3 33.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025

Supervised By :Semsettin Yesilyurt 08/12/2025



#26

2,2-Dichloropropane

Concen: 10.224 ug/l

RT: 7.185 min Scan# 869

Delta R.T. -0.006 min

Lab File: VW032053.D

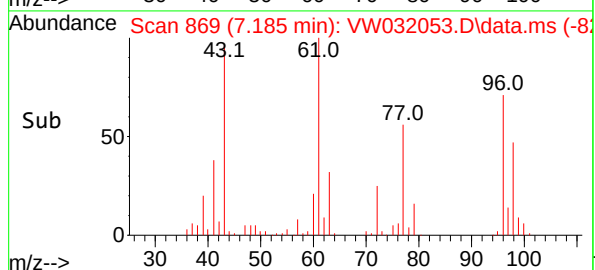
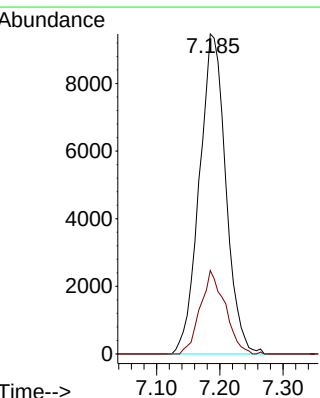
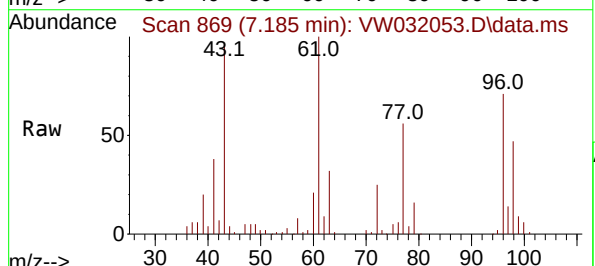
Acq: 11 Aug 2025 09:09

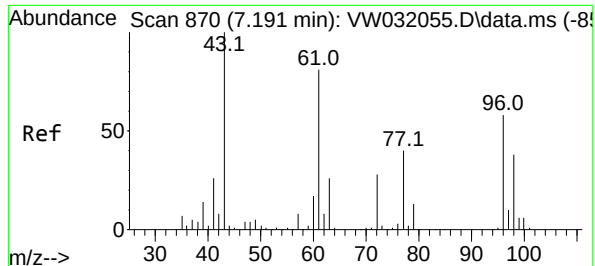
Tgt Ion: 77 Resp: 27463

Ion Ratio Lower Upper

77 100

97 24.5 12.3 36.9





#27

cis-1,2-Dichloroethene

Concen: 9.791 ug/l

RT: 7.191 min Scan# 870

Delta R.T. -0.000 min

Lab File: VW032053.D

Acq: 11 Aug 2025 09:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tgt Ion: 96 Resp: 3317

Ion Ratio Lower Upper

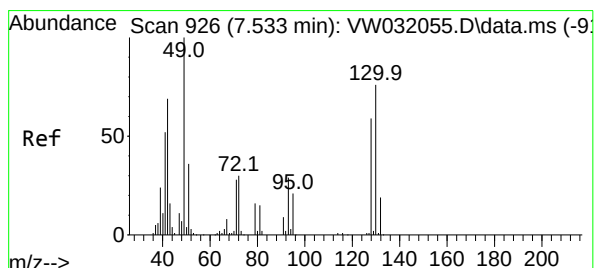
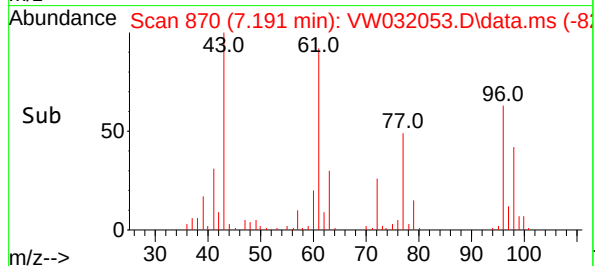
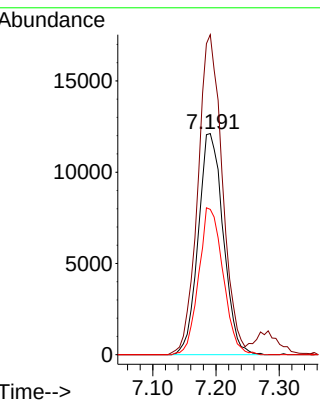
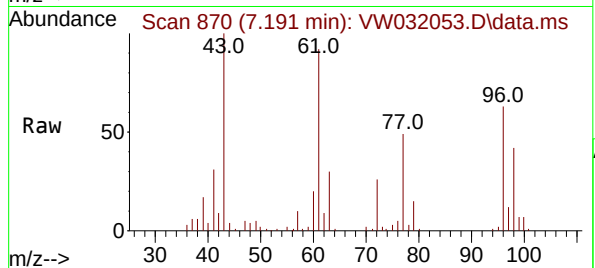
96 100

61 142.3 0.0 281.2

98 64.9 0.0 130.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025

#28

Bromochloromethane

Concen: 10.019 ug/l

RT: 7.532 min Scan# 926

Delta R.T. -0.000 min

Lab File: VW032053.D

Acq: 11 Aug 2025 09:09

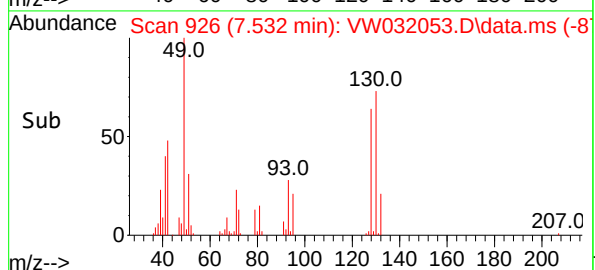
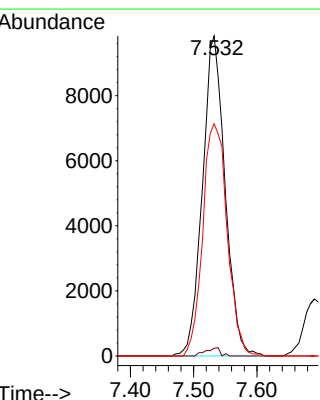
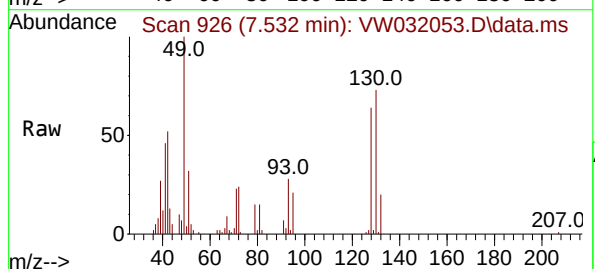
Tgt Ion: 49 Resp: 24412

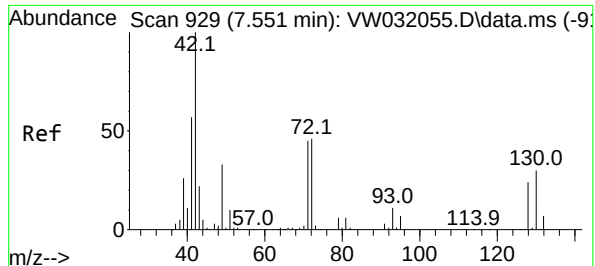
Ion Ratio Lower Upper

49 100

129 1.6 0.0 4.2

130 78.2 61.9 92.9





#29

Tetrahydrofuran

Concen: 50.800 ug/l

RT: 7.557 min Scan# 91

Delta R.T. 0.006 min

Lab File: VW032053.D

Acq: 11 Aug 2025 09:09

Instrument :

MSVOA_W

ClientSampleId :

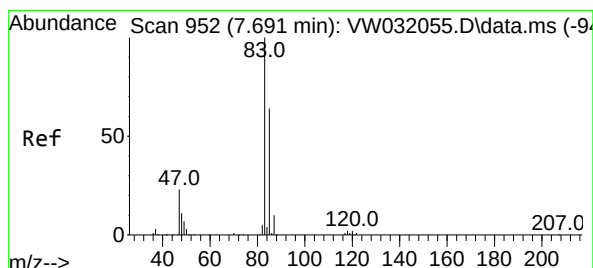
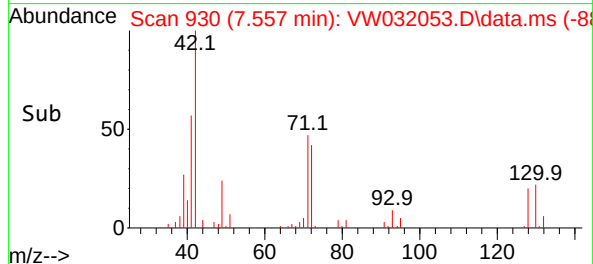
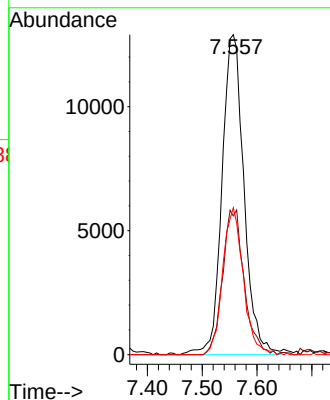
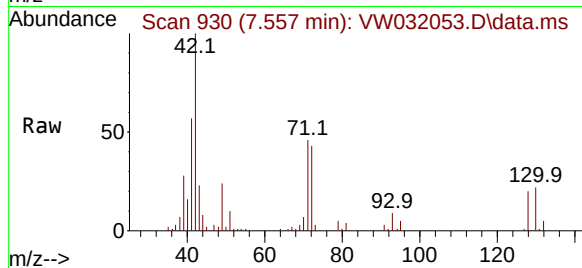
VSTDICC010

Tgt Ion:	42	Resp:	3590
Ion	Ratio	Lower	Upper
42	100		
72	44.5	36.6	55.0
71	43.3	34.7	52.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025



#30

Chloroform

Concen: 10.071 ug/l

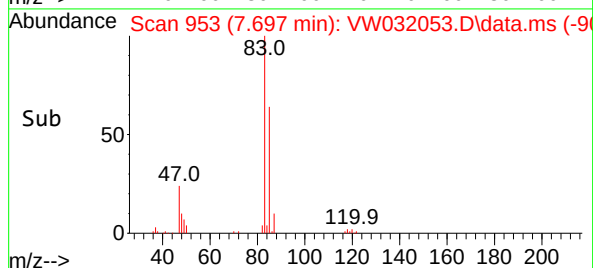
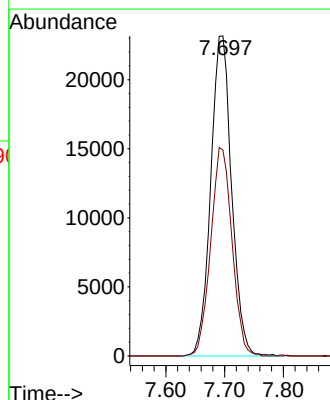
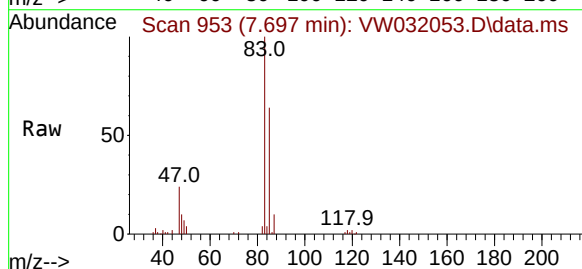
RT: 7.697 min Scan# 953

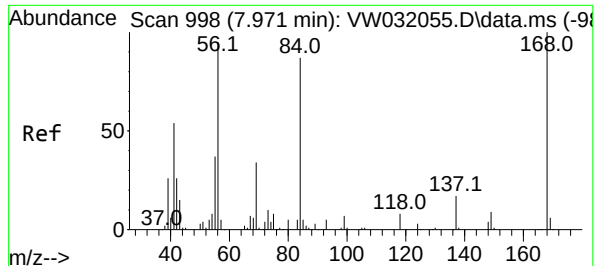
Delta R.T. 0.006 min

Lab File: VW032053.D

Acq: 11 Aug 2025 09:09

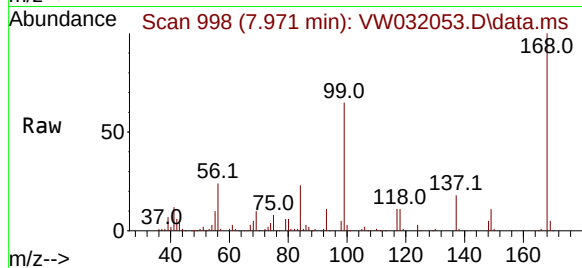
Tgt Ion:	83	Resp:	57170
Ion	Ratio	Lower	Upper
83	100		
85	64.3	51.0	76.4





#31
Cyclohexane
Concen: 10.477 ug/l
RT: 7.971 min Scan# 998
Delta R.T. -0.000 min
Lab File: VW032053.D
Acq: 11 Aug 2025 09:09

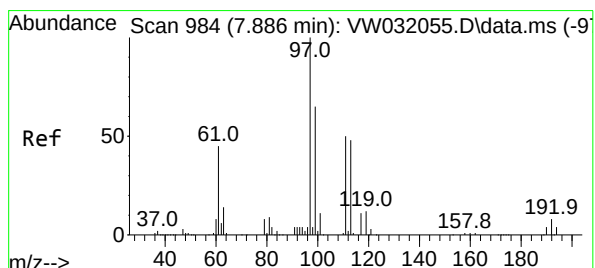
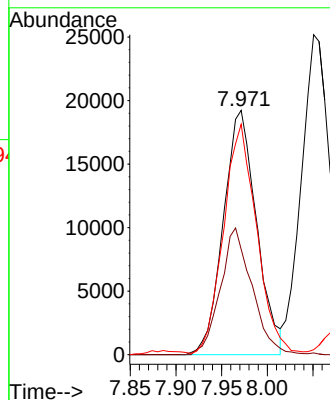
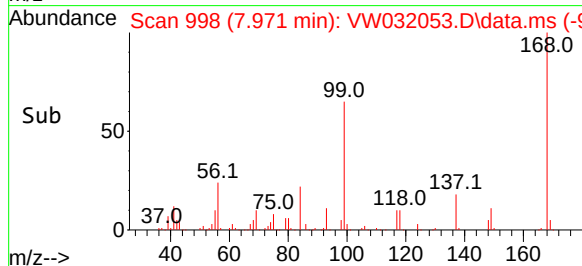
Instrument :
MSVOA_W
Client Sample Id :
VSTDICC010



Tgt Ion: 56 Resp: 4863
Ion Ratio Lower Upper
56 100
69 43.1 28.6 42.8
84 93.2 73.0 109.4

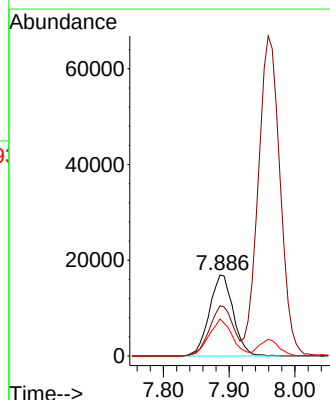
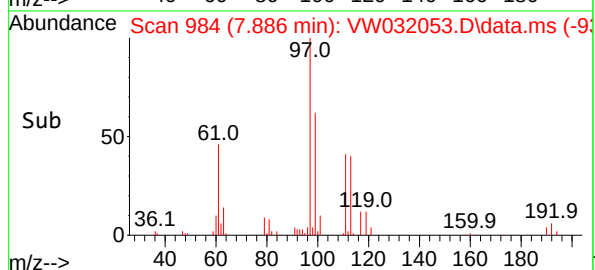
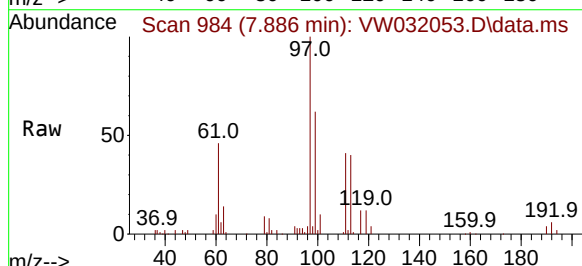
Manual Integrations
APPROVED

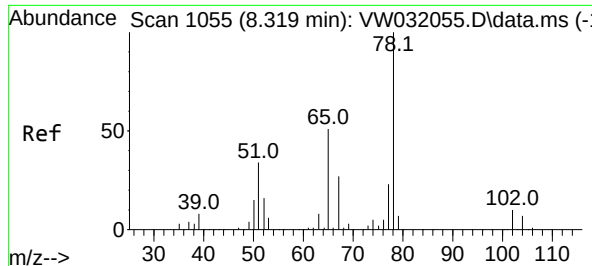
Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025



#32
1,1,1-Trichloroethane
Concen: 10.368 ug/l
RT: 7.886 min Scan# 984
Delta R.T. -0.000 min
Lab File: VW032053.D
Acq: 11 Aug 2025 09:09

Tgt Ion: 97 Resp: 42747
Ion Ratio Lower Upper
97 100
99 61.1 51.8 77.8
61 45.0 35.9 53.9





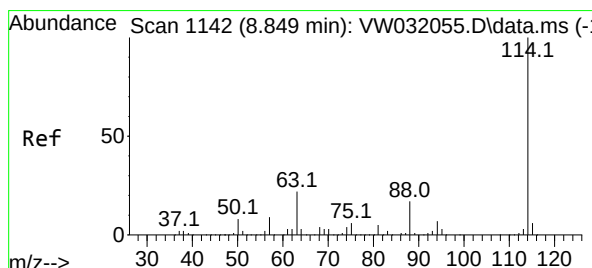
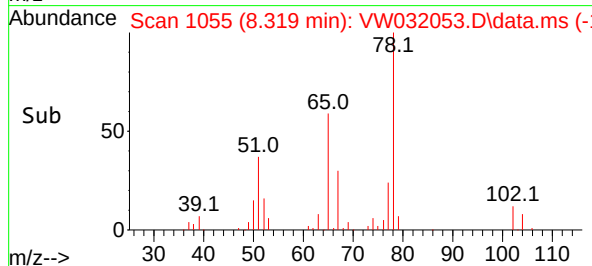
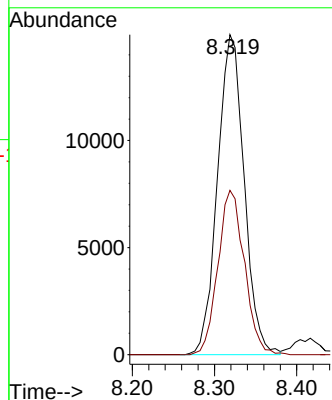
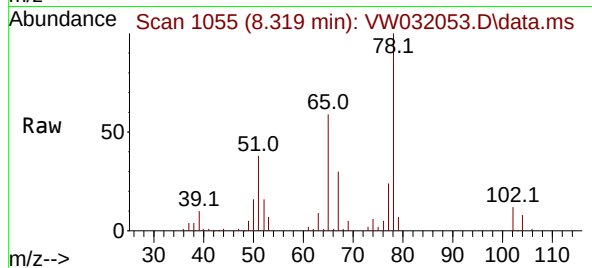
#33
1,2-Dichloroethane-d4
Concen: 10.337 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VW032053.D
Acq: 11 Aug 2025 09:09

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Tgt Ion: 65 Resp: 3367
Ion Ratio Lower Upper
65 100
67 51.0 0.0 102.4

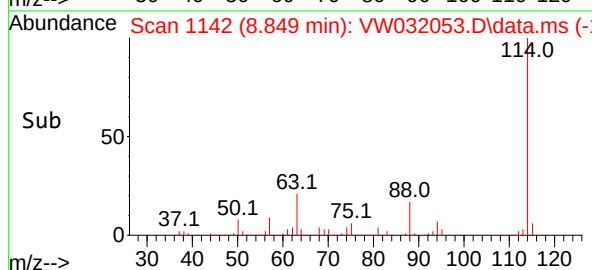
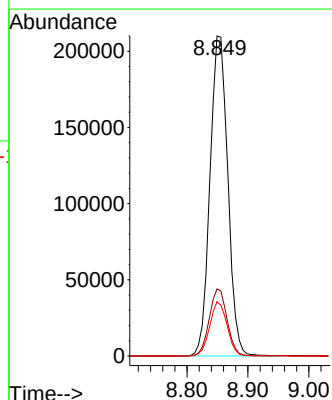
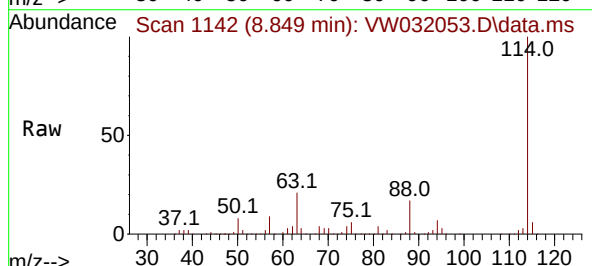
Manual Integrations
APPROVED

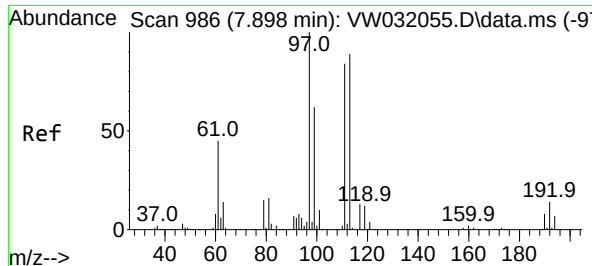
Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 1142
Delta R.T. -0.000 min
Lab File: VW032053.D
Acq: 11 Aug 2025 09:09

Tgt Ion:114 Resp: 426784
Ion Ratio Lower Upper
114 100
63 21.0 0.0 43.0
88 17.0 0.0 33.8





#35

Dibromofluoromethane

Concen: 10.147 ug/l

RT: 7.904 min Scan# 91

Delta R.T. 0.006 min

Lab File: VW032053.D

Acq: 11 Aug 2025 09:09

Instrument :

MSVOA_W

ClientSampleId :

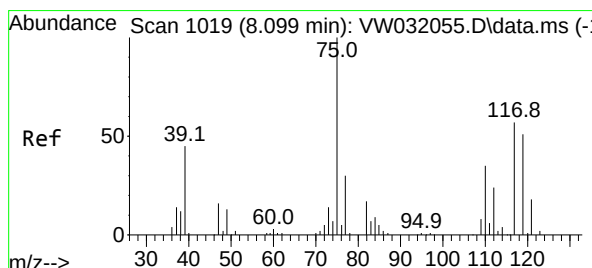
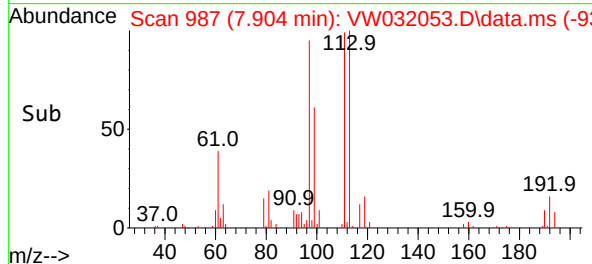
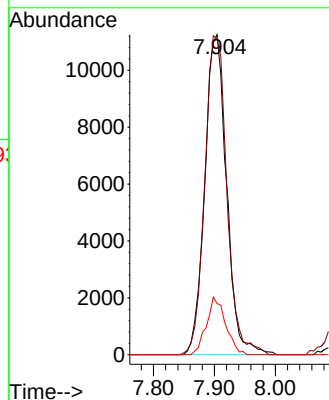
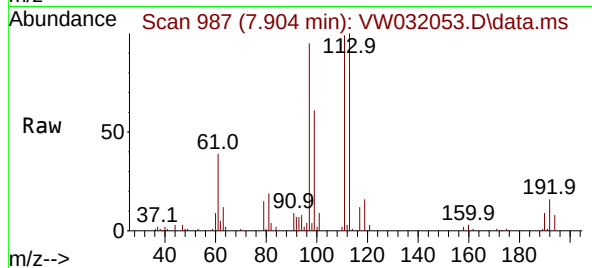
VSTDICC010

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.3	80.1	120.1
192	15.8	13.1	19.7

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025



#36

1,1-Dichloropropene

Concen: 10.032 ug/l

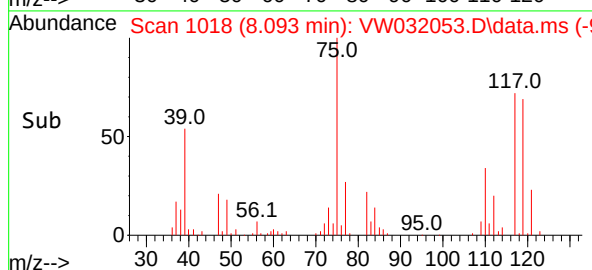
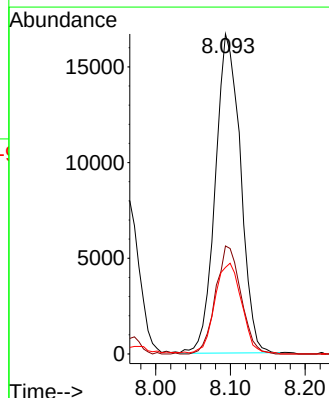
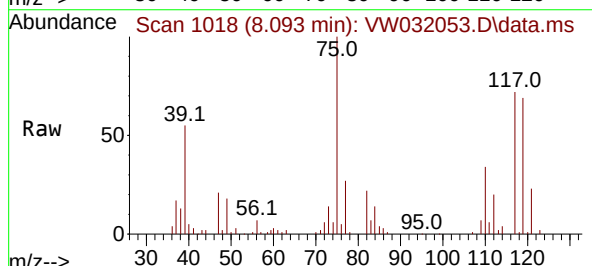
RT: 8.093 min Scan# 1018

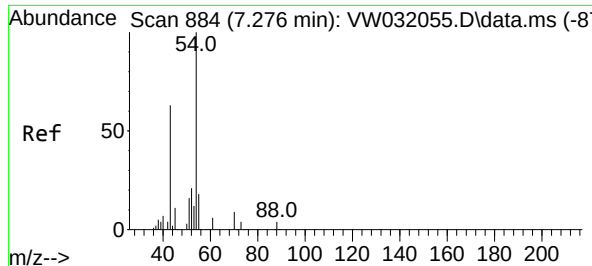
Delta R.T. -0.006 min

Lab File: VW032053.D

Acq: 11 Aug 2025 09:09

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.1	17.4	52.2
77	30.6	24.7	37.1





#37

Ethyl Acetate

Concen: 10.070 ug/l

RT: 7.276 min Scan# 884

Delta R.T. -0.000 min

Lab File: VW032053.D

Acq: 11 Aug 2025 09:09

Instrument :

MSVOA_W

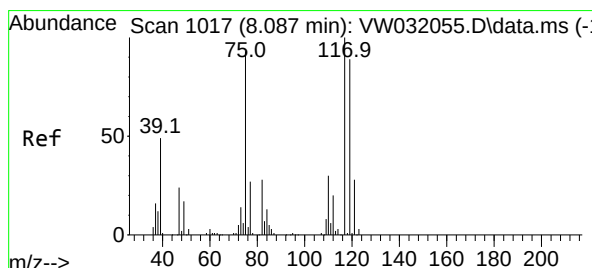
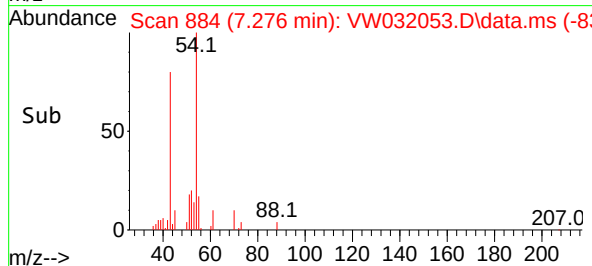
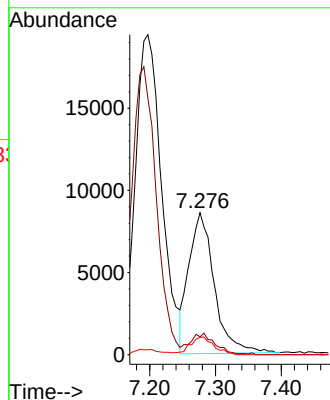
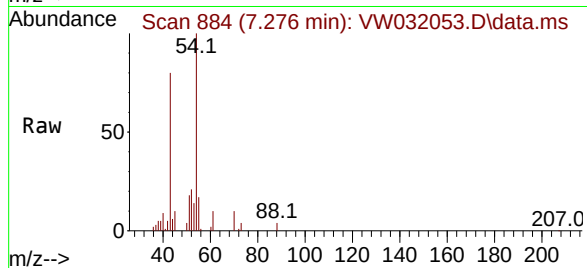
ClientSampleId :

VSTDICC010

Tgt Ion:	43	Resp:	2305
Ion	Ratio	Lower	Upper
43	100		
61	11.8	11.8	17.6
70	11.8	9.4	14.0

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025



#38

Carbon Tetrachloride

Concen: 10.007 ug/l

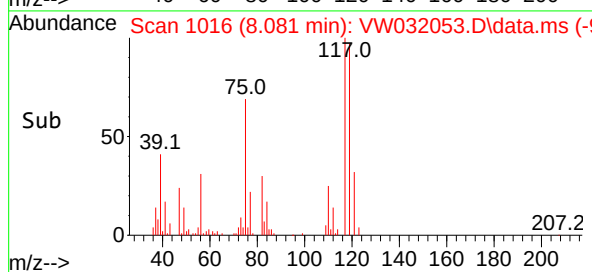
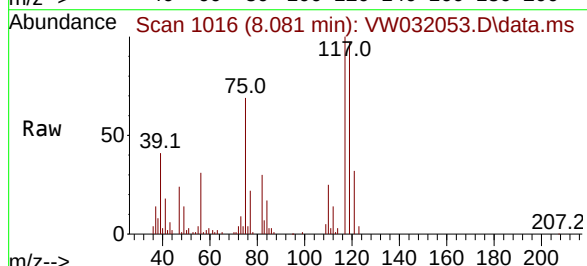
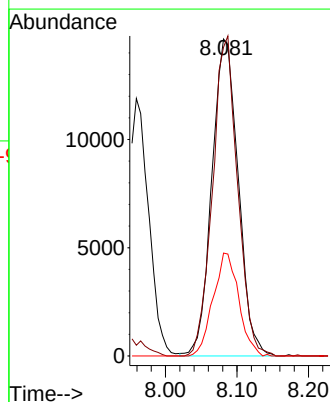
RT: 8.081 min Scan# 1016

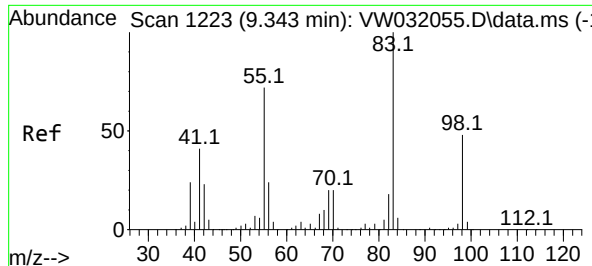
Delta R.T. -0.006 min

Lab File: VW032053.D

Acq: 11 Aug 2025 09:09

Tgt Ion:	117	Resp:	37535
Ion	Ratio	Lower	Upper
117	100		
119	97.5	71.4	107.2
121	32.5	22.3	33.5





#39

Methylcyclohexane

Concen: 9.731 ug/l

RT: 9.343 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW032053.D

Acq: 11 Aug 2025 09:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tgt Ion: 83 Resp: 46100

Ion Ratio Lower Upper

83 100

55 76.8 57.9 86.9

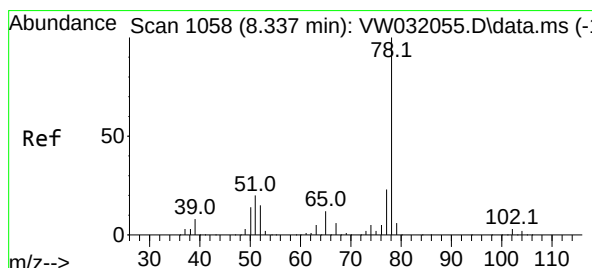
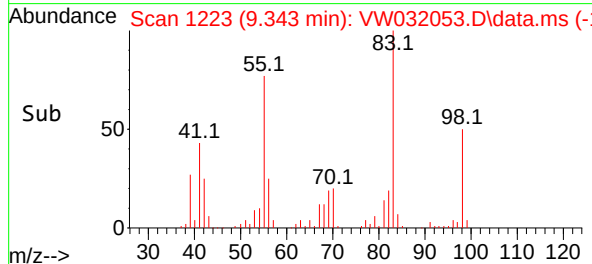
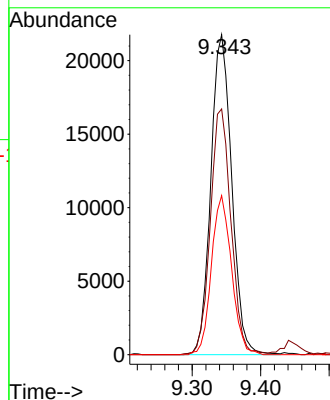
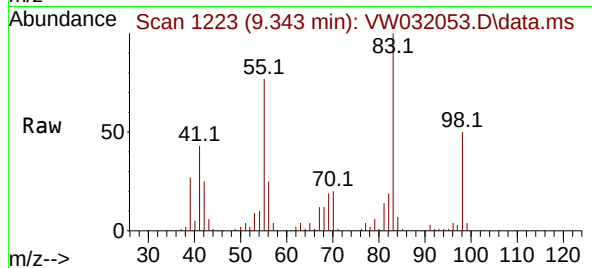
98 49.7 38.3 57.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025

Supervised By :Semsettin Yesilyurt 08/12/2025



#40

Benzene

Concen: 10.053 ug/l

RT: 8.337 min Scan# 1058

Delta R.T. -0.000 min

Lab File: VW032053.D

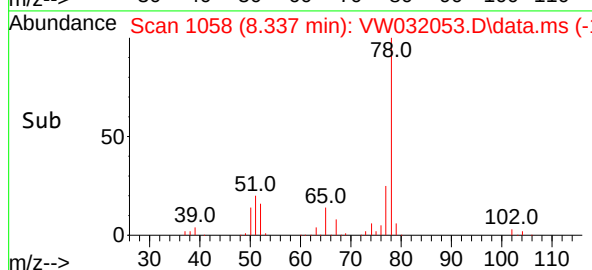
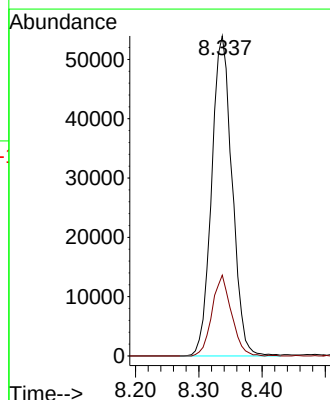
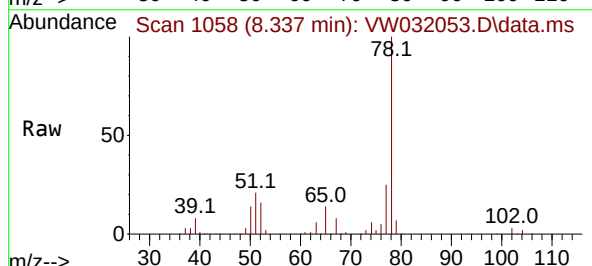
Acq: 11 Aug 2025 09:09

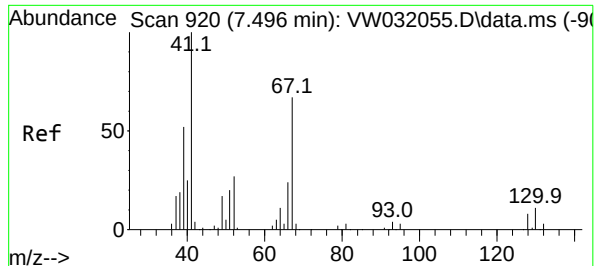
Tgt Ion: 78 Resp: 121462

Ion Ratio Lower Upper

78 100

77 25.3 18.4 27.6





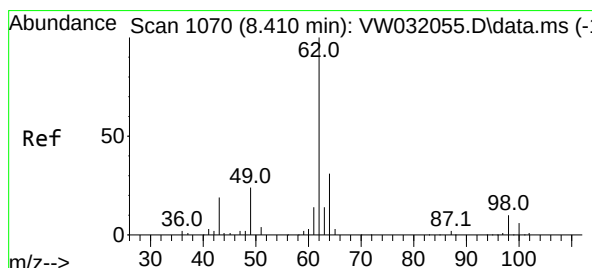
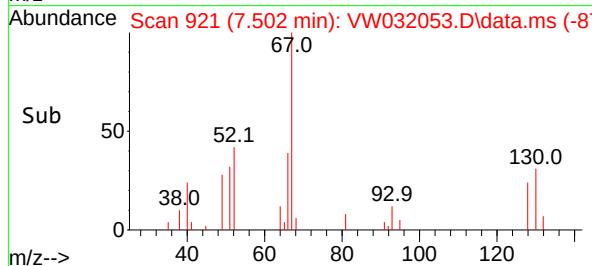
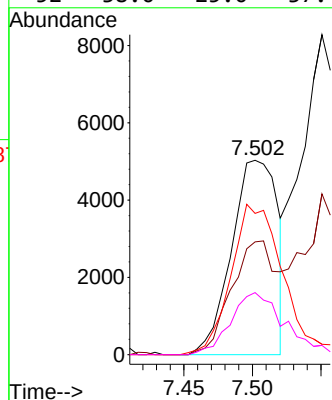
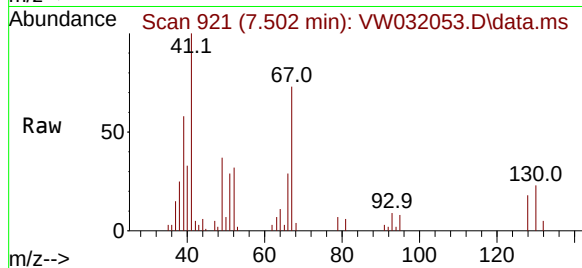
#41
Methacrylonitrile
Concen: 9.035 ug/l
RT: 7.502 min Scan# 91
Delta R.T. 0.006 min
Lab File: VW032053.D
Acq: 11 Aug 2025 09:09

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Tgt Ion:	41	Resp:	11729
Ion Ratio	Lower	Upper	
41	100		
39	57.4	42.6	63.8
67	87.3	61.0	91.4
52	38.0	25.0	37.4

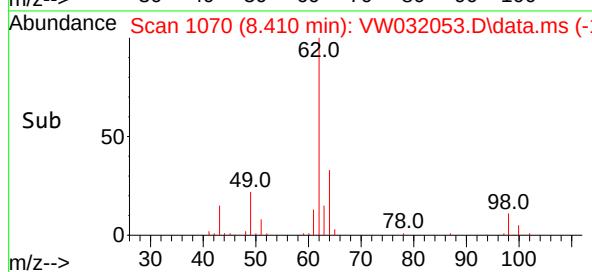
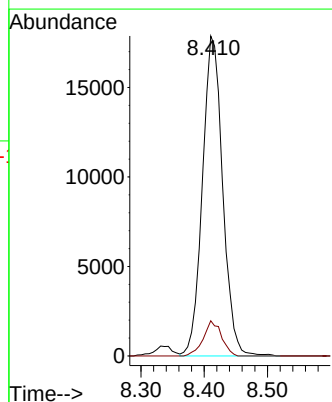
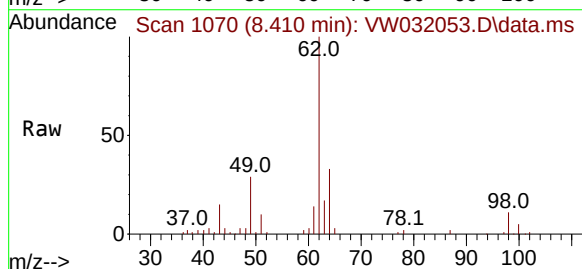
Manual Integrations
APPROVED

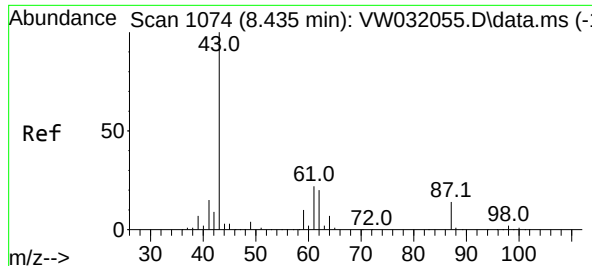
Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025



#42
1,2-Dichloroethane
Concen: 10.316 ug/l
RT: 8.410 min Scan# 1070
Delta R.T. -0.000 min
Lab File: VW032053.D
Acq: 11 Aug 2025 09:09

Tgt Ion:	62	Resp:	39882
Ion Ratio	Lower	Upper	
62	100		
98	9.9	0.0	19.8





#43

Isopropyl Acetate

Concen: 9.743 ug/l

RT: 8.435 min Scan# 1074

Delta R.T. -0.000 min

Lab File: VW032053.D

Acq: 11 Aug 2025 09:09

Instrument :

MSVOA_W

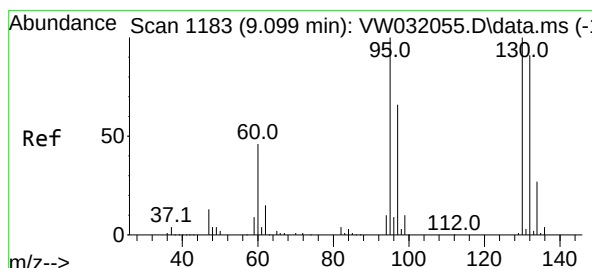
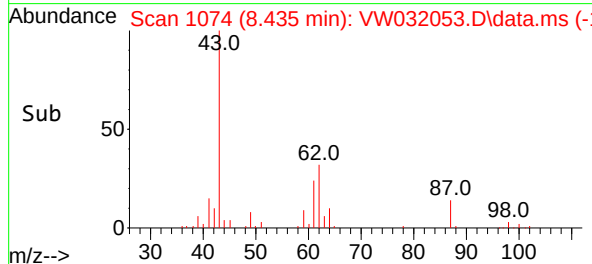
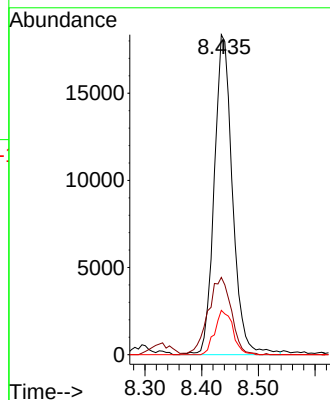
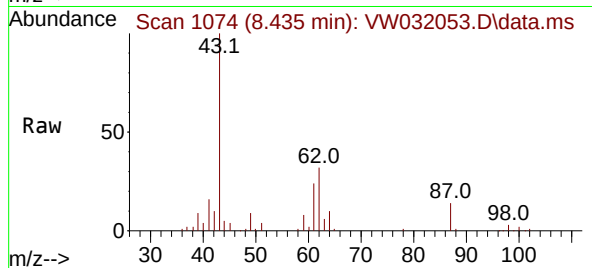
ClientSampleId :

VSTDIC010

Tgt Ion:	43	Resp:	4103
Ion	Ratio	Lower	Upper
43	100		
61	30.5	23.8	35.8
87	13.7	11.7	17.5

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025



#44

Trichloroethene

Concen: 9.905 ug/l

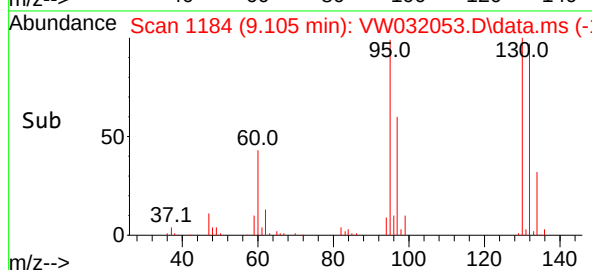
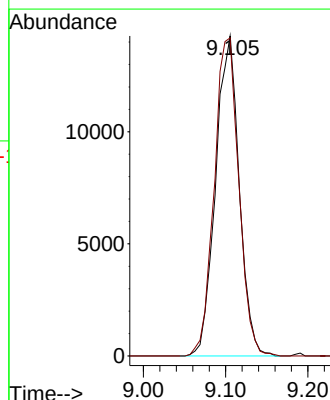
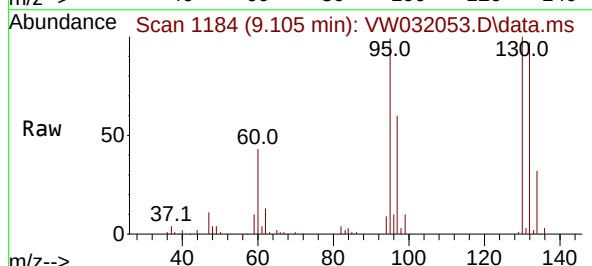
RT: 9.105 min Scan# 1184

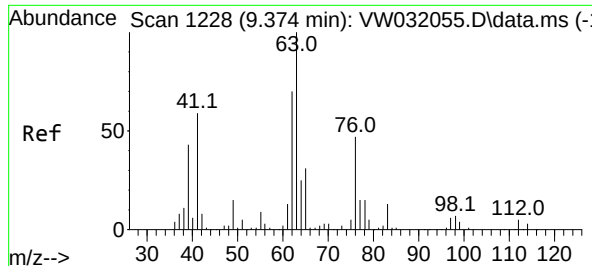
Delta R.T. 0.006 min

Lab File: VW032053.D

Acq: 11 Aug 2025 09:09

Tgt Ion:	130	Resp:	28498
Ion	Ratio	Lower	Upper
130	100		
95	99.4	0.0	200.6





#45

1,2-Dichloropropane

Concen: 10.004 ug/l

RT: 9.374 min Scan# 1228

Delta R.T. -0.000 min

Lab File: VW032053.D

Acq: 11 Aug 2025 09:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tgt Ion: 63 Resp: 2919

Ion Ratio Lower Upper

63 100

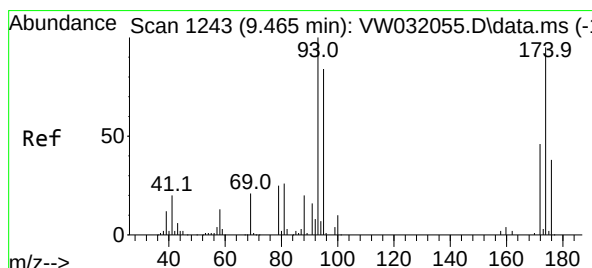
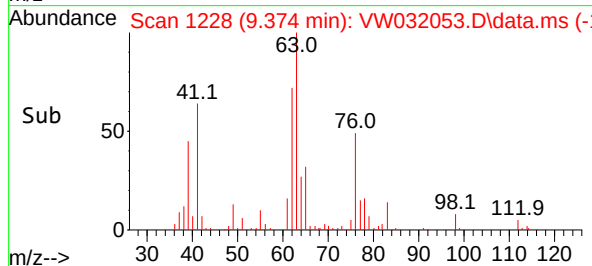
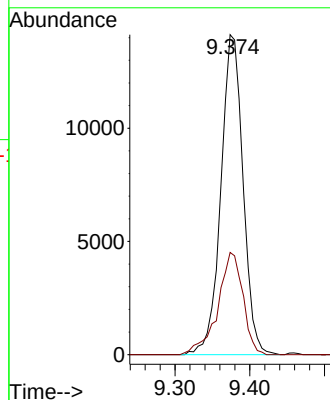
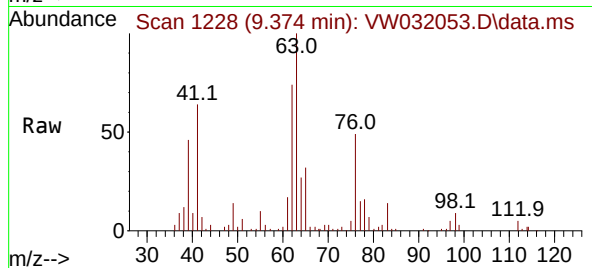
65 31.9 24.6 36.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025

Supervised By :Semsettin Yesilyurt 08/12/2025



#46

Dibromomethane

Concen: 9.901 ug/l

RT: 9.471 min Scan# 1244

Delta R.T. 0.006 min

Lab File: VW032053.D

Acq: 11 Aug 2025 09:09

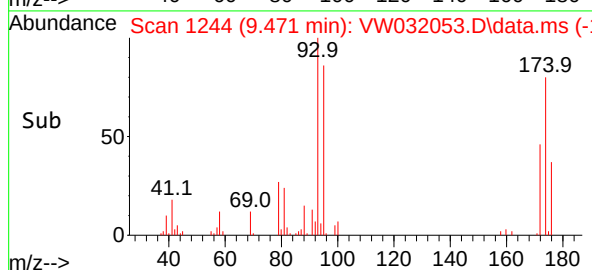
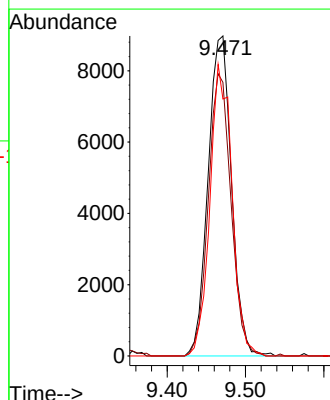
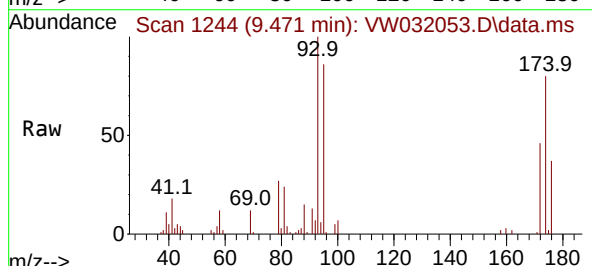
Tgt Ion: 93 Resp: 18653

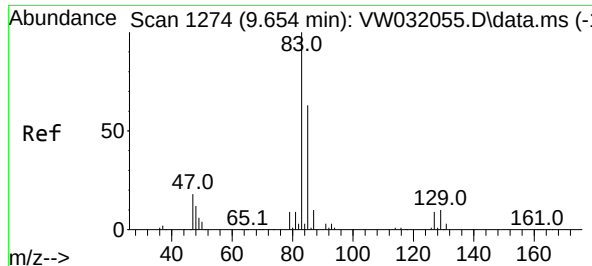
Ion Ratio Lower Upper

93 100

95 85.8 65.3 97.9

174 85.7 68.6 102.8





#47

Bromodichloromethane

Concen: 9.818 ug/l

RT: 9.654 min Scan# 1274

Delta R.T. -0.000 min

Lab File: VW032053.D

Acq: 11 Aug 2025 09:09

Instrument :

MSVOA_W

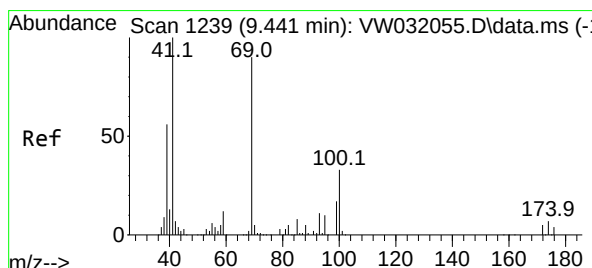
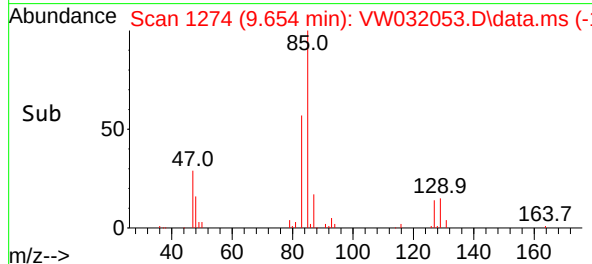
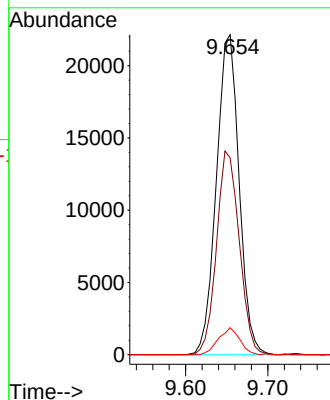
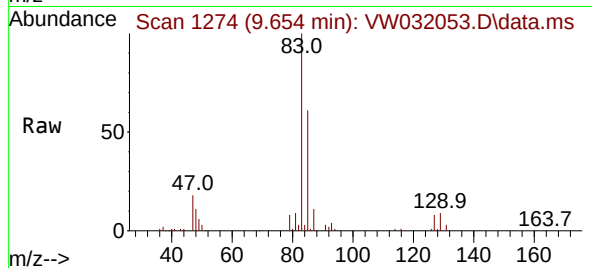
ClientSampleId :

VSTDICC010

Tgt Ion:	83	Resp:	42618
Ion	Ratio	Lower	Upper
83	100		
85	61.5	50.6	75.8
127	8.5	6.9	10.3

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025



#48

Methyl methacrylate

Concen: 9.666 ug/l

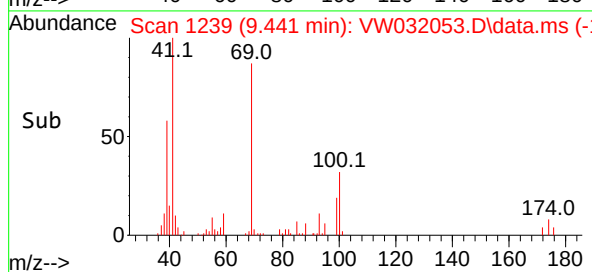
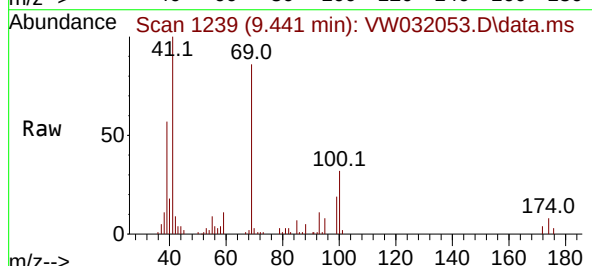
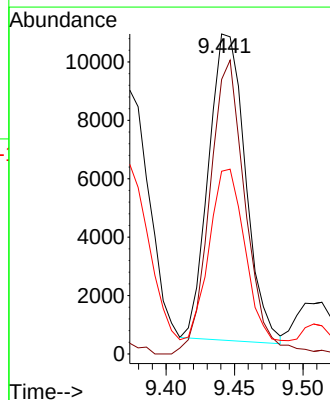
RT: 9.441 min Scan# 1239

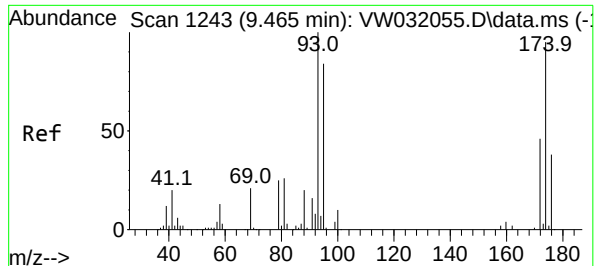
Delta R.T. -0.000 min

Lab File: VW032053.D

Acq: 11 Aug 2025 09:09

Tgt Ion:	41	Resp:	19654
Ion	Ratio	Lower	Upper
41	100		
69	92.9	73.0	109.6
39	55.1	45.0	67.4





#49

1,4-Dioxane

Concen: 192.302 ug/l

RT: 9.465 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW032053.D

Acq: 11 Aug 2025 09:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tgt Ion: 88 Resp: 4684

Ion Ratio Lower Upper

88 100

43 27.6 20.6 30.8

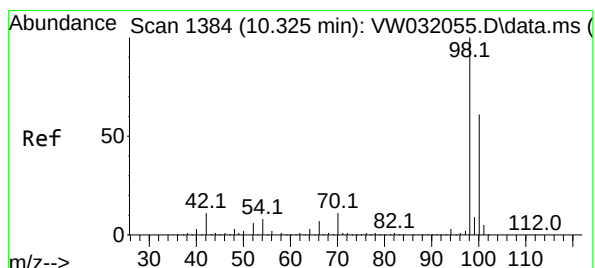
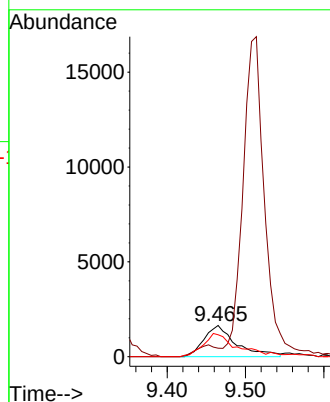
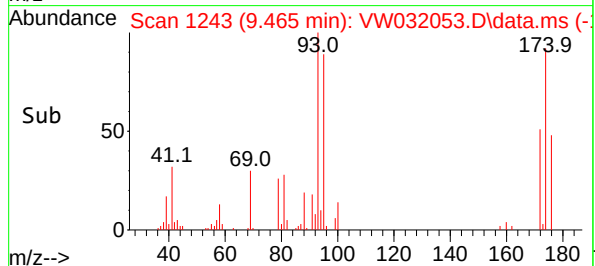
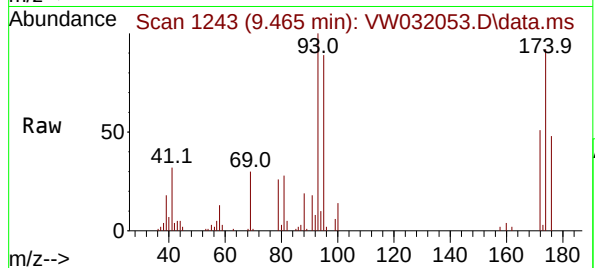
58 75.1 60.4 90.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025

Supervised By :Semsettin Yesilyurt 08/12/2025



#50

Toluene-d8

Concen: 9.875 ug/l

RT: 10.331 min Scan# 1385

Delta R.T. 0.006 min

Lab File: VW032053.D

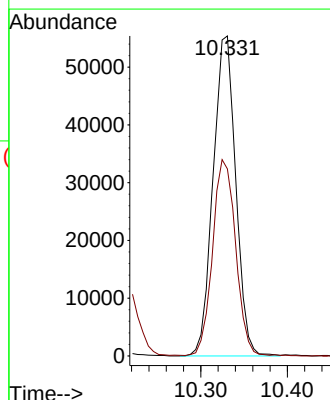
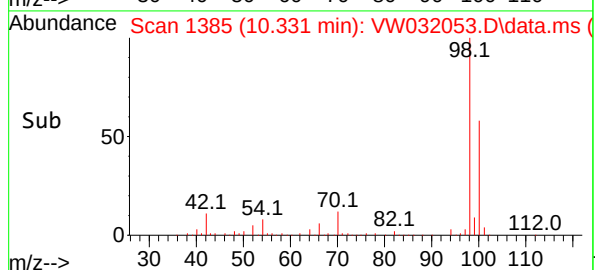
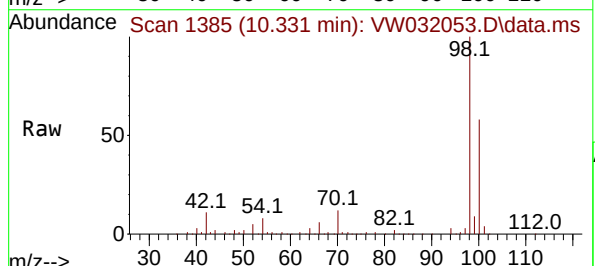
Acq: 11 Aug 2025 09:09

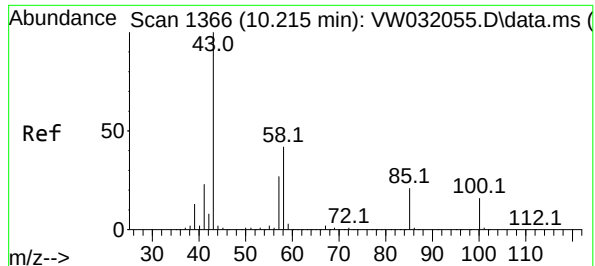
Tgt Ion: 98 Resp: 100702

Ion Ratio Lower Upper

98 100

100 62.7 51.1 76.7





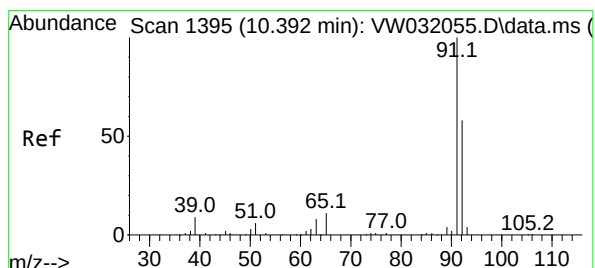
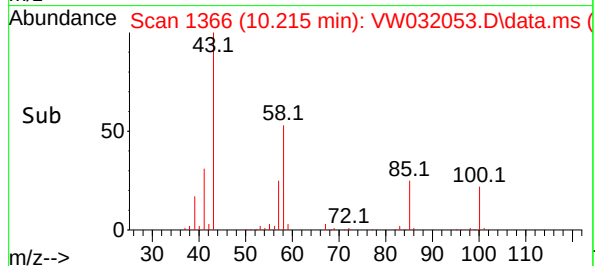
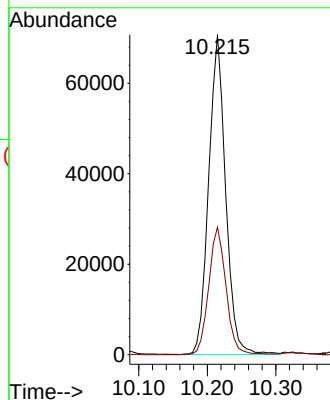
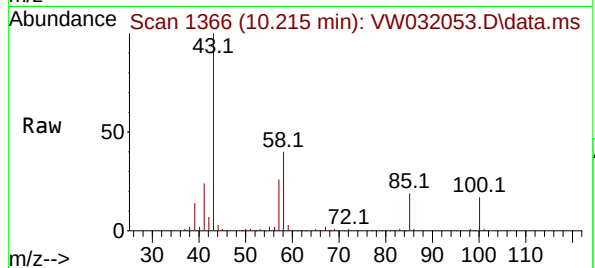
#51
4-Methyl-2-Pentanone
Concen: 51.075 ug/l
RT: 10.215 min Scan# 1366
Delta R.T. -0.000 min
Lab File: VW032053.D
Acq: 11 Aug 2025 09:09

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Tgt Ion: 43 Resp: 121419
Ion Ratio Lower Upper
43 100
58 40.7 33.1 49.7

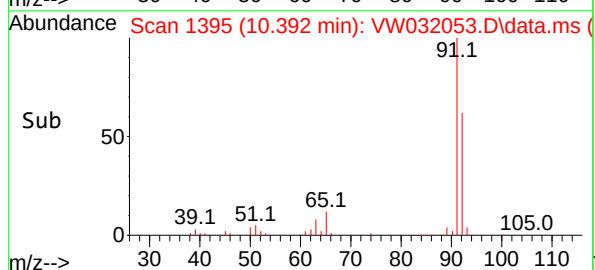
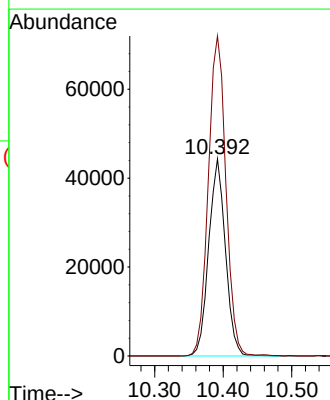
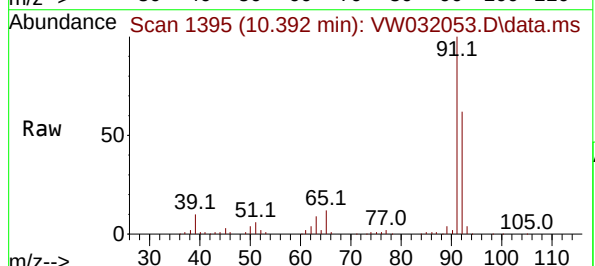
Manual Integrations
APPROVED

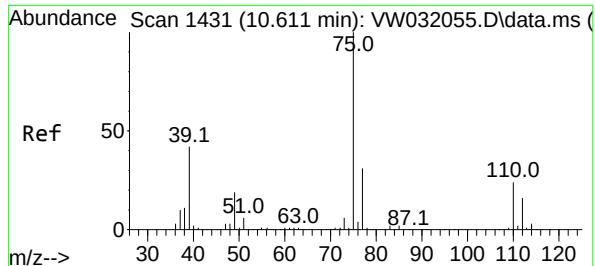
Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025



#52
Toluene
Concen: 9.888 ug/l
RT: 10.392 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VW032053.D
Acq: 11 Aug 2025 09:09

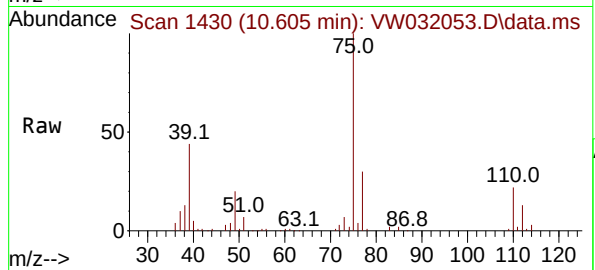
Tgt Ion: 92 Resp: 75250
Ion Ratio Lower Upper
92 100
91 170.3 136.3 204.5





#53
t-1,3-Dichloropropene
Concen: 9.441 ug/l
RT: 10.605 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VW032053.D
Acq: 11 Aug 2025 09:09

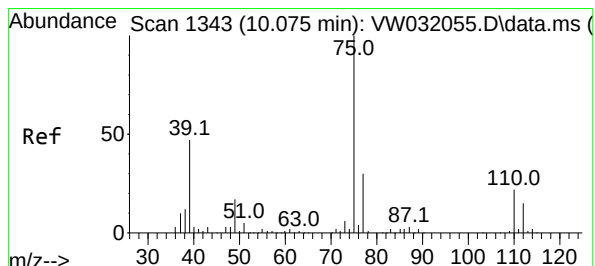
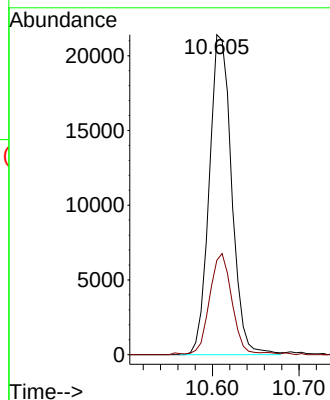
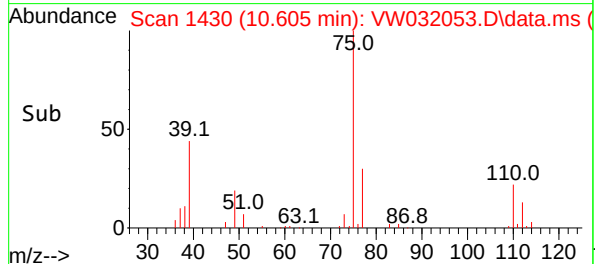
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010



Tgt Ion: 75 Resp: 3839
Ion Ratio Lower Upper
75 100
77 29.2 25.0 37.6

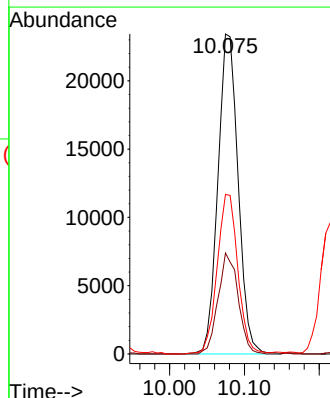
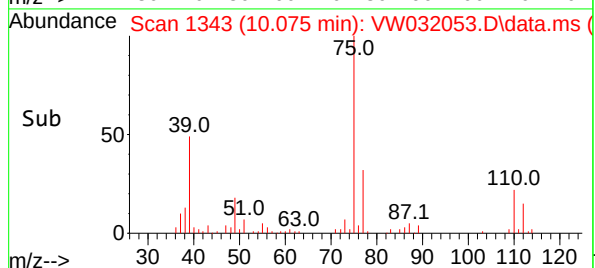
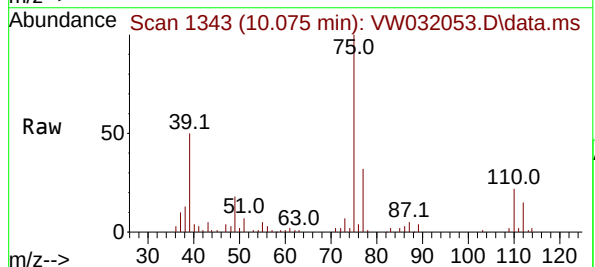
Manual Integrations
APPROVED

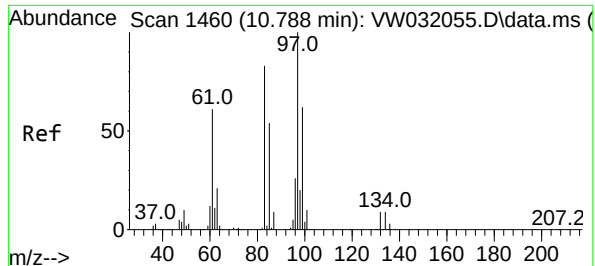
Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025



#54
cis-1,3-Dichloropropene
Concen: 9.543 ug/l
RT: 10.075 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VW032053.D
Acq: 11 Aug 2025 09:09

Tgt Ion: 75 Resp: 44031
Ion Ratio Lower Upper
75 100
77 31.6 24.0 36.0
39 49.9 37.8 56.8





#55

1,1,2-Trichloroethane

Concen: 10.097 ug/l

RT: 10.788 min Scan# 1460

Delta R.T. -0.000 min

Lab File: VW032053.D

Acq: 11 Aug 2025 09:09

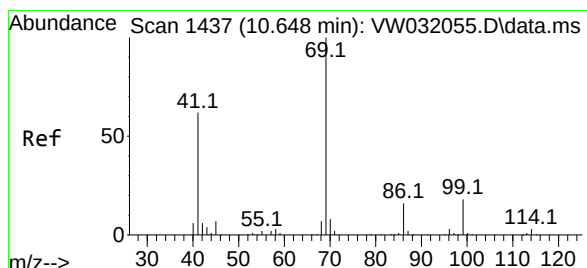
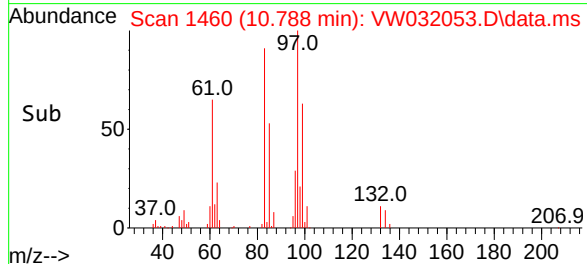
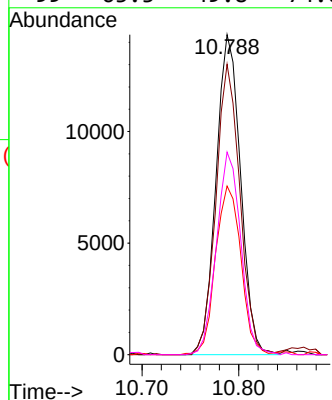
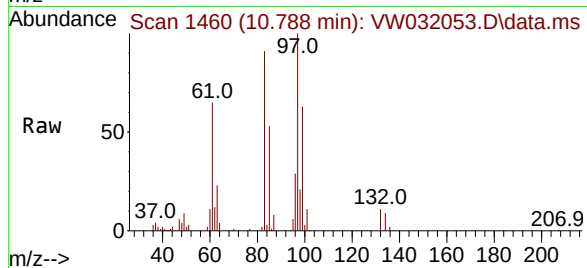
Instrument :

MSVOA_W

ClientSampleId :

VSTDICC010

Tgt Ion:	97	Resp:	2527
Ion	Ratio	Lower	Upper
97	100		
83	90.7	66.4	99.6
85	52.7	43.1	64.7
99	63.3	49.8	74.6

Manual Integrations
APPROVEDReviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025

#56

Ethyl methacrylate

Concen: 9.260 ug/l

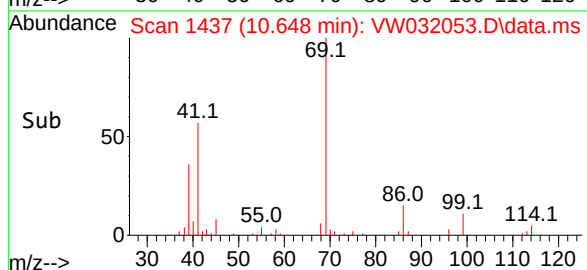
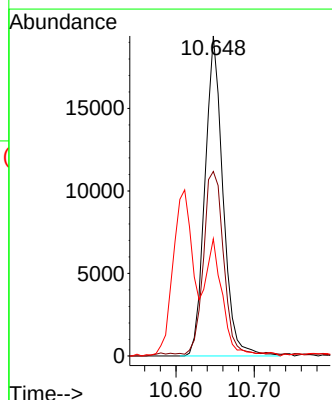
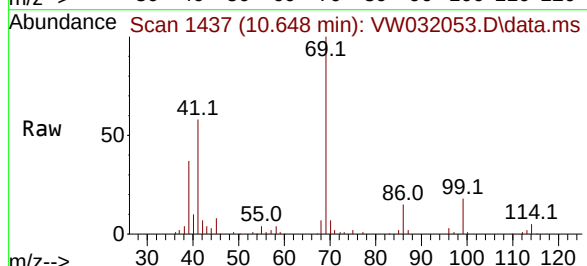
RT: 10.648 min Scan# 1437

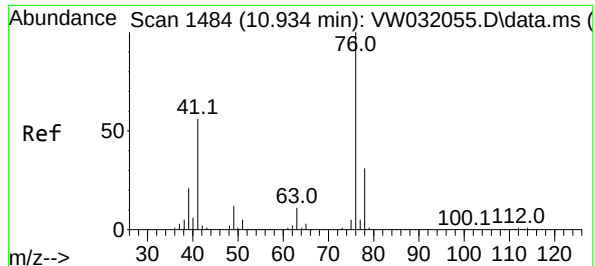
Delta R.T. -0.000 min

Lab File: VW032053.D

Acq: 11 Aug 2025 09:09

Tgt Ion:	69	Resp:	31022
Ion	Ratio	Lower	Upper
69	100		
41	62.3	51.2	76.8
39	35.0	25.4	38.0





#57

1,3-Dichloropropane

Concen: 10.254 ug/l

RT: 10.934 min Scan# 1484

Delta R.T. -0.000 min

Lab File: VW032053.D

Acq: 11 Aug 2025 09:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tgt Ion: 76 Resp: 4474

Ion Ratio Lower Upper

76 100

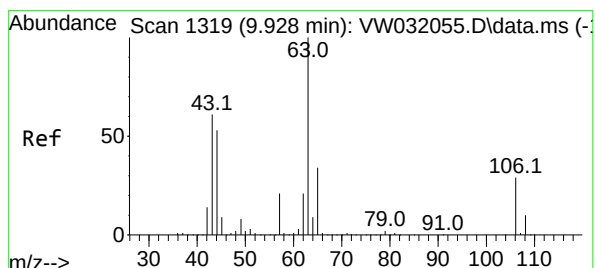
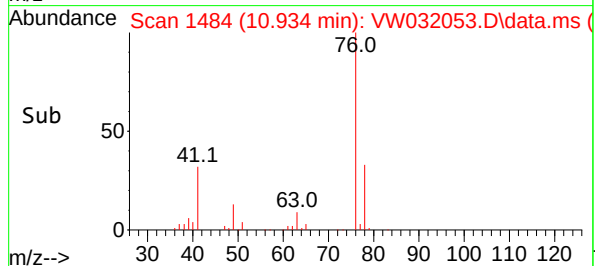
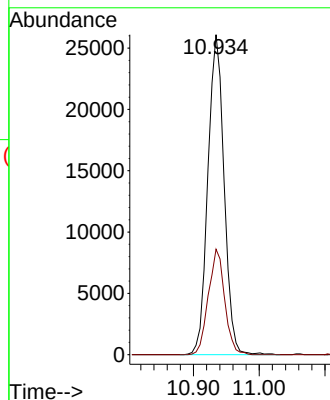
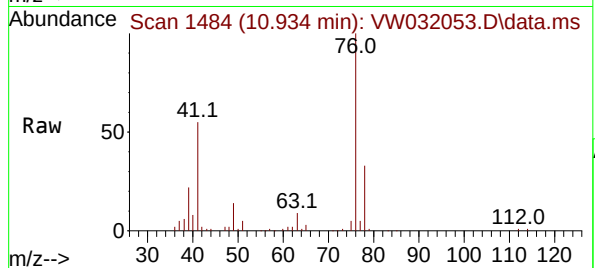
78 33.2 25.8 38.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025

Supervised By :Semsettin Yesilyurt 08/12/2025



#58

2-Chloroethyl Vinyl ether

Concen: 47.830 ug/l

RT: 9.928 min Scan# 1319

Delta R.T. -0.000 min

Lab File: VW032053.D

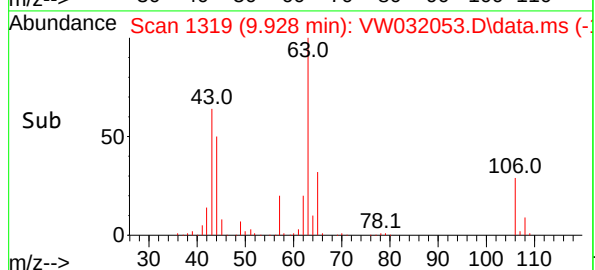
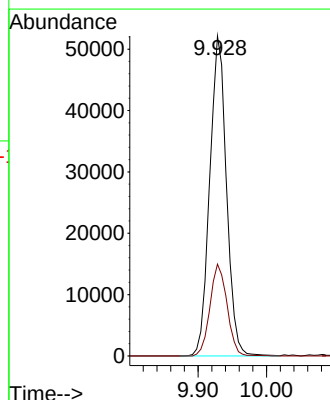
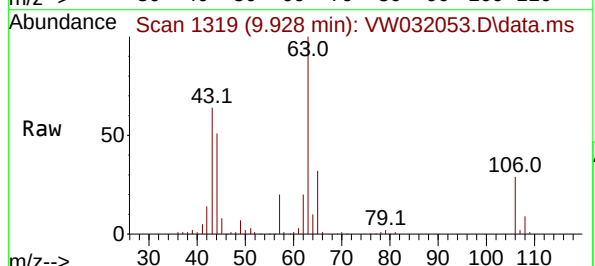
Acq: 11 Aug 2025 09:09

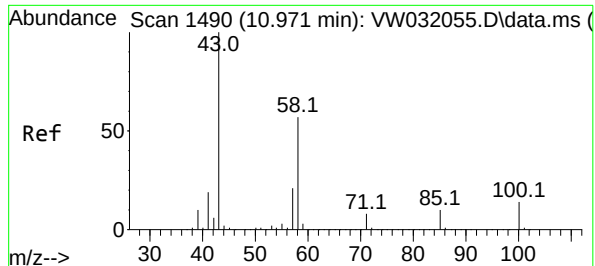
Tgt Ion: 63 Resp: 88627

Ion Ratio Lower Upper

63 100

106 29.2 23.5 35.3





#59

2-Hexanone

Concen: 50.310 ug/l

RT: 10.971 min Scan# 1490

Delta R.T. -0.000 min

Lab File: VW032053.D

Acq: 11 Aug 2025 09:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC010

Tgt Ion: 43 Resp: 82830

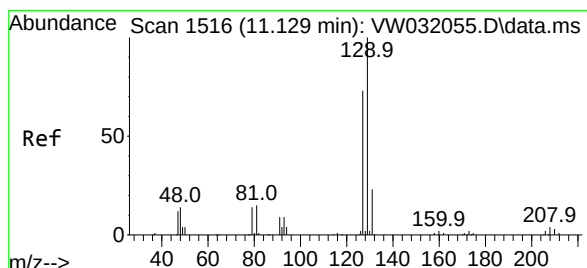
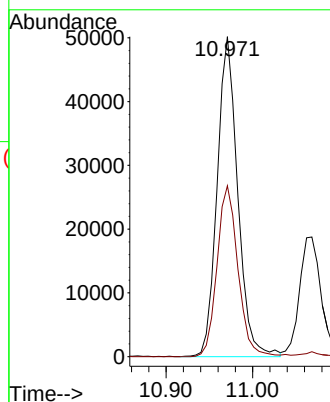
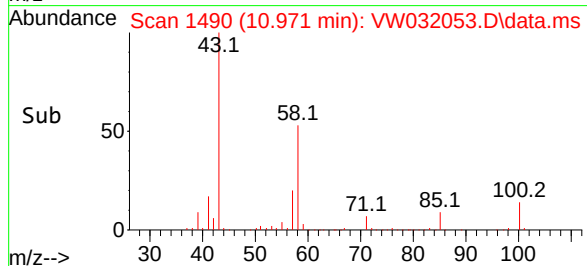
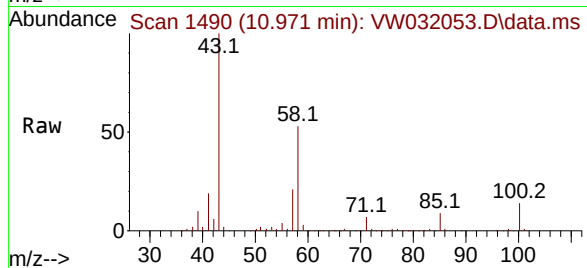
Ion Ratio Lower Upper

43 100

58 54.2 28.3 85.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025

#60

Dibromochloromethane

Concen: 9.776 ug/l

RT: 11.129 min Scan# 1516

Delta R.T. -0.000 min

Lab File: VW032053.D

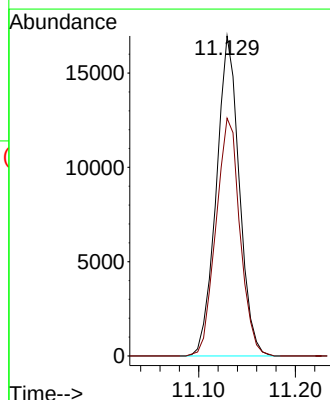
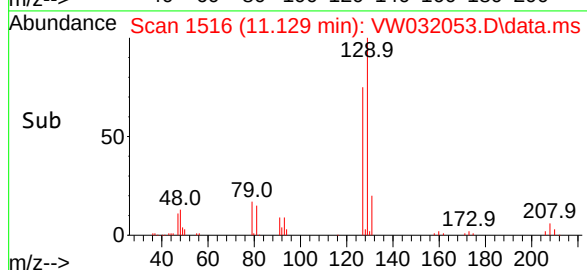
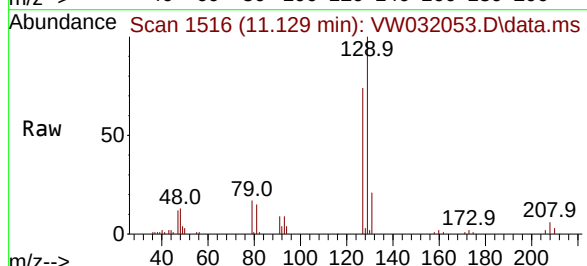
Acq: 11 Aug 2025 09:09

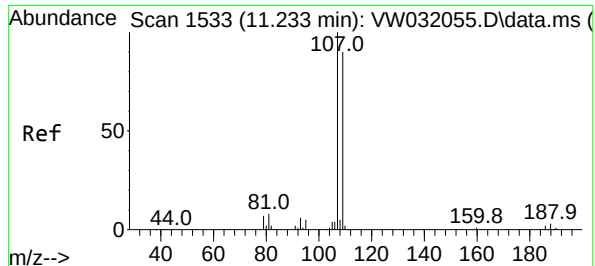
Tgt Ion:129 Resp: 27954

Ion Ratio Lower Upper

129 100

127 77.7 39.0 116.9





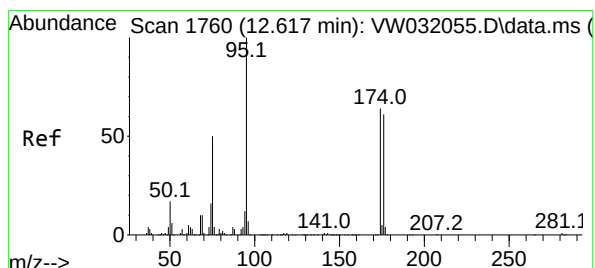
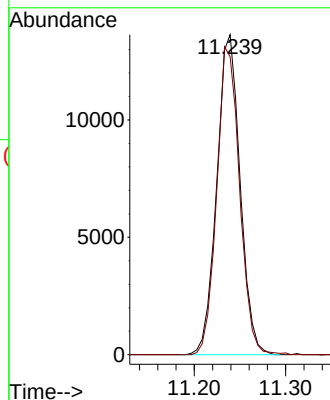
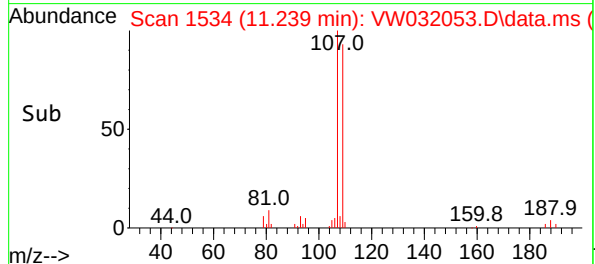
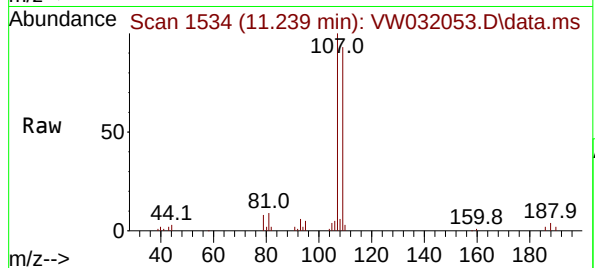
#61
1,2-Dibromoethane
Concen: 9.926 ug/l
RT: 11.239 min Scan# 1533
Delta R.T. 0.006 min
Lab File: VW032053.D
Acq: 11 Aug 2025 09:09

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Tgt Ion:107 Resp: 24140
Ion Ratio Lower Upper
107 100
109 94.2 74.2 111.4

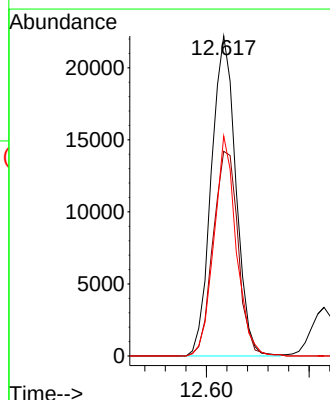
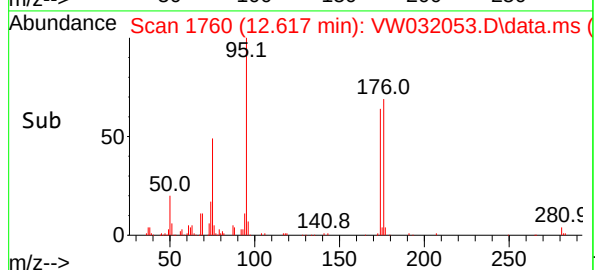
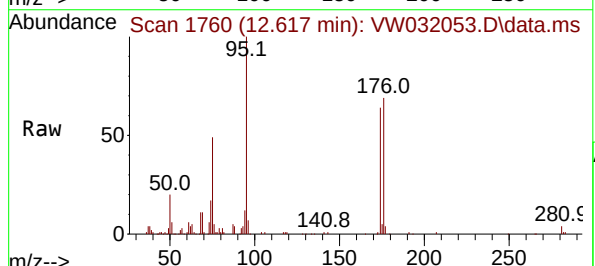
Manual Integrations
APPROVED

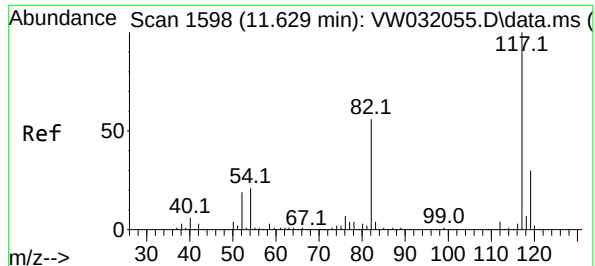
Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025



#62
4-Bromofluorobenzene
Concen: 9.778 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032053.D
Acq: 11 Aug 2025 09:09

Tgt Ion: 95 Resp: 36748
Ion Ratio Lower Upper
95 100
174 65.3 0.0 129.0
176 62.4 0.0 124.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.629 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW032053.D

Acq: 11 Aug 2025 09:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tgt Ion:117 Resp: 38563

Ion Ratio Lower Upper

117 100

82 58.3 45.0 67.4

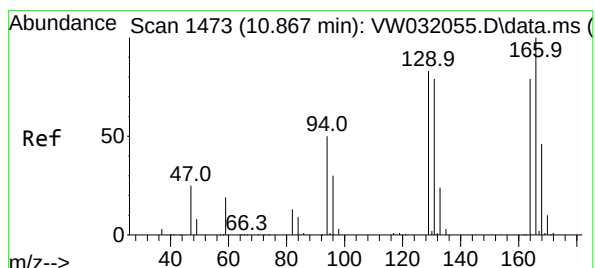
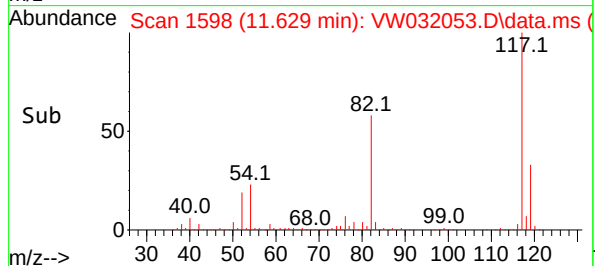
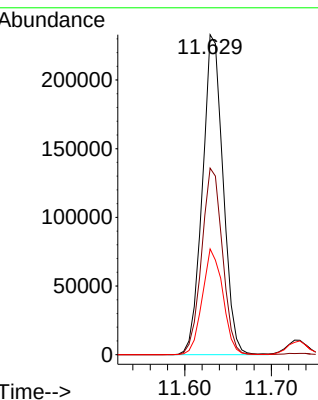
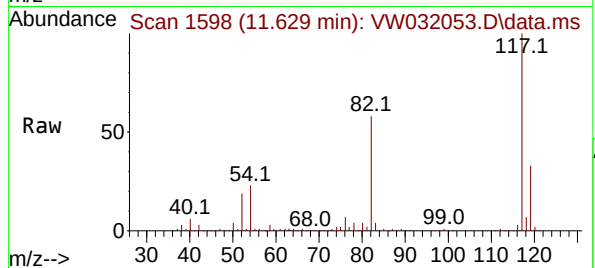
119 33.0 24.2 36.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025

Supervised By :Semsettin Yesilyurt 08/12/2025



#64

Tetrachloroethene

Concen: 10.431 ug/l

RT: 10.867 min Scan# 1473

Delta R.T. -0.000 min

Lab File: VW032053.D

Acq: 11 Aug 2025 09:09

Tgt Ion:164 Resp: 23235

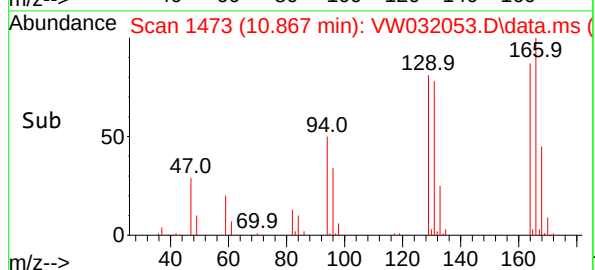
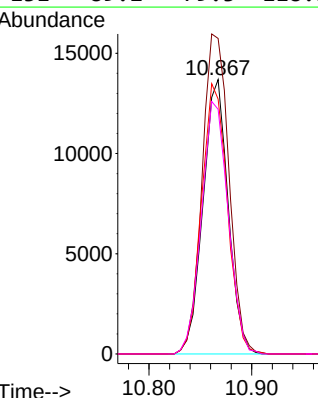
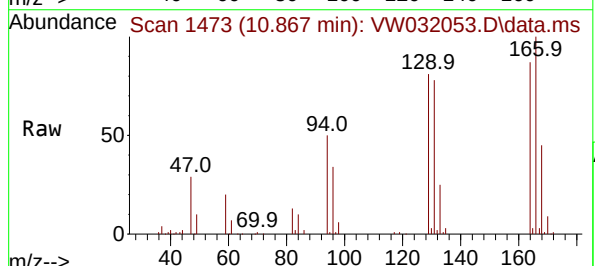
Ion Ratio Lower Upper

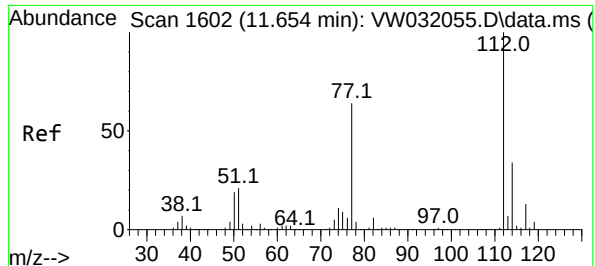
164 100

166 115.0 100.9 151.3

129 92.9 83.6 125.4

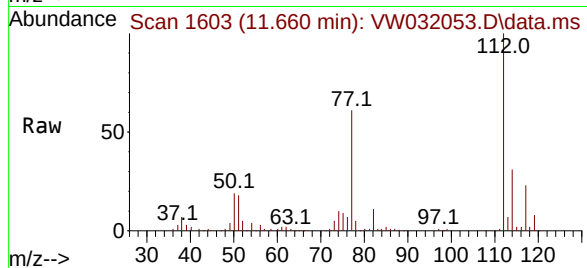
131 89.2 79.3 118.9





#65
Chlorobenzene
Concen: 10.257 ug/l
RT: 11.660 min Scan# 1603
Delta R.T. 0.006 min
Lab File: VW032053.D
Acq: 11 Aug 2025 09:09

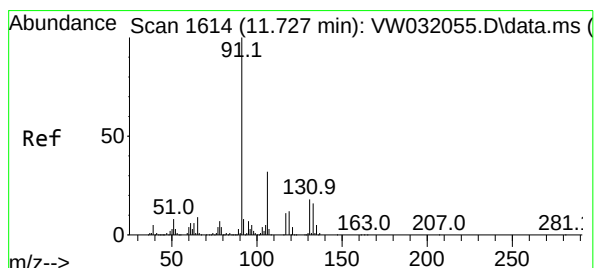
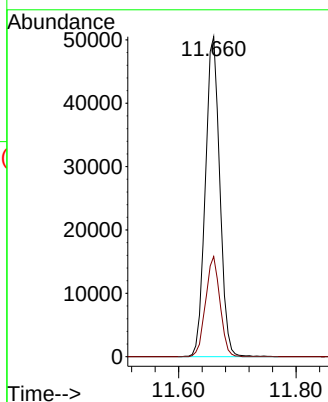
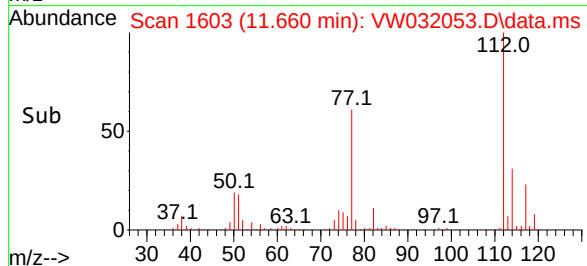
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010



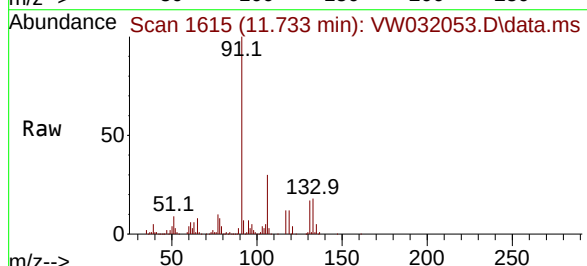
Tgt Ion:112 Resp: 86090
Ion Ratio Lower Upper
112 100
114 31.3 26.9 40.3

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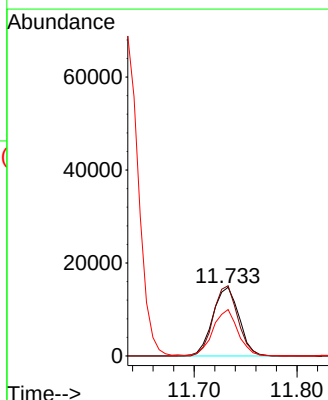
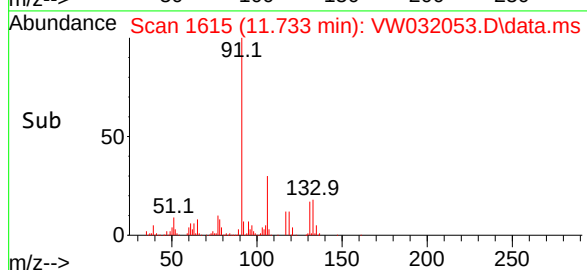
Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025

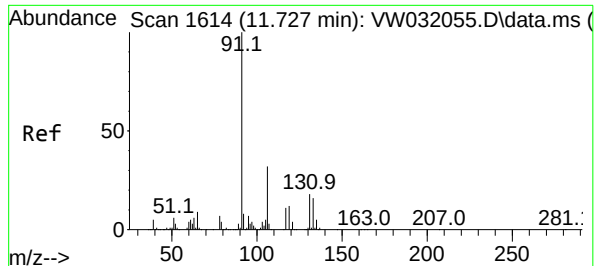


#66
1,1,1,2-Tetrachloroethane
Concen: 10.037 ug/l
RT: 11.733 min Scan# 1615
Delta R.T. 0.006 min
Lab File: VW032053.D
Acq: 11 Aug 2025 09:09



Tgt Ion:131 Resp: 26286
Ion Ratio Lower Upper
131 100
133 95.6 47.3 142.0
119 64.5 34.5 103.5





#67

Ethyl Benzene

Concen: 9.794 ug/l

RT: 11.733 min Scan# 1615

Delta R.T. 0.006 min

Lab File: VW032053.D

Acq: 11 Aug 2025 09:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC010

Tgt Ion: 91 Resp: 139254

Ion Ratio Lower Upper

91 100

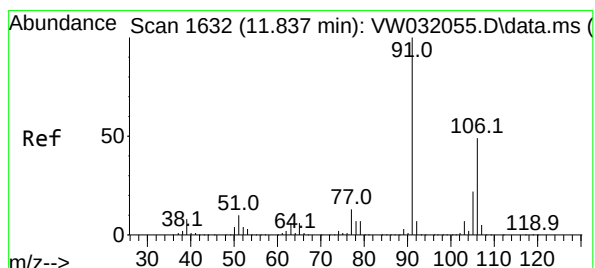
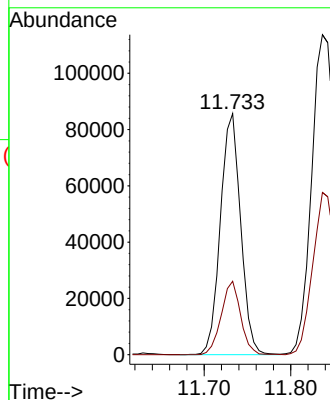
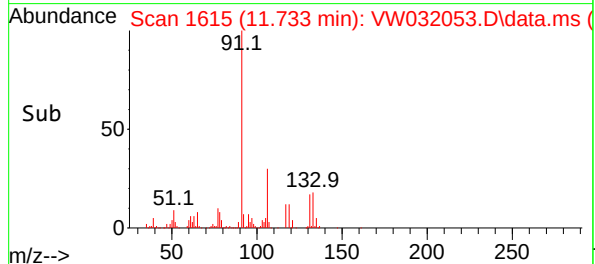
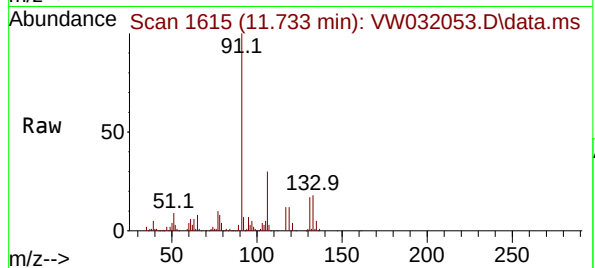
106 30.5 25.4 38.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025

Supervised By :Semsettin Yesilyurt 08/12/2025



#68

m/p-Xylenes

Concen: 19.866 ug/l

RT: 11.837 min Scan# 1632

Delta R.T. -0.000 min

Lab File: VW032053.D

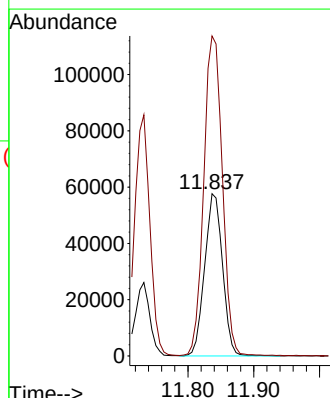
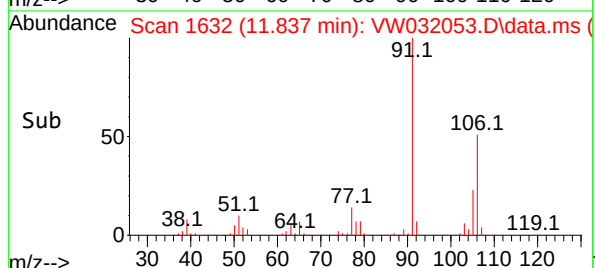
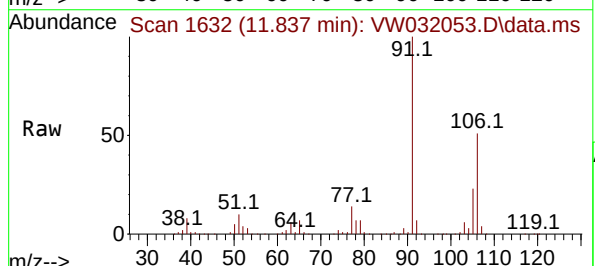
Acq: 11 Aug 2025 09:09

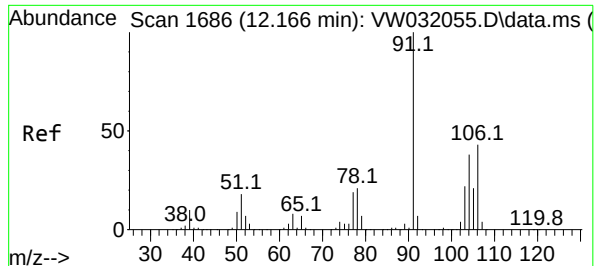
Tgt Ion:106 Resp: 108990

Ion Ratio Lower Upper

106 100

91 205.0 162.2 243.2





#69

o-Xylene

Concen: 9.714 ug/l

RT: 12.166 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW032053.D

Acq: 11 Aug 2025 09:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC010

Tgt Ion:106 Resp: 4925

Ion Ratio Lower Upper

106 100

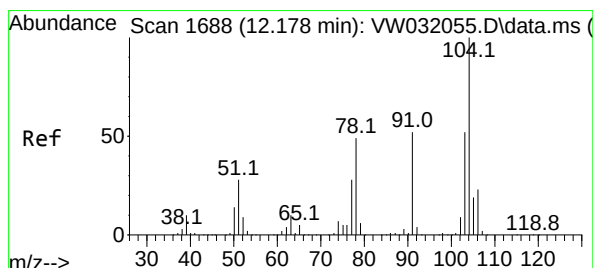
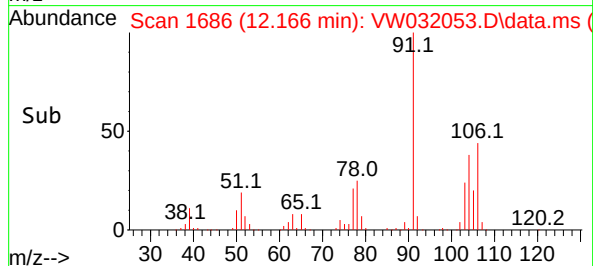
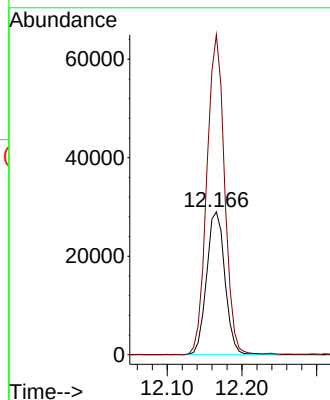
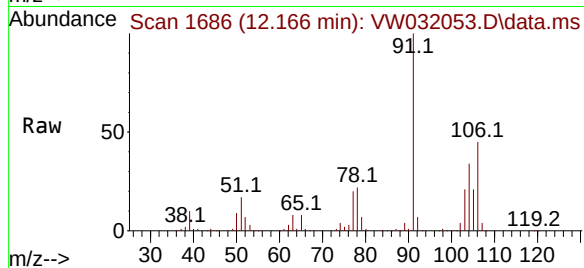
91 216.8 110.8 332.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025

Supervised By :Semsettin Yesilyurt 08/12/2025



#70

Styrene

Concen: 9.719 ug/l

RT: 12.184 min Scan# 1689

Delta R.T. 0.006 min

Lab File: VW032053.D

Acq: 11 Aug 2025 09:09

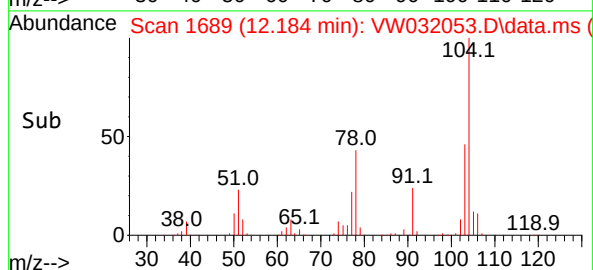
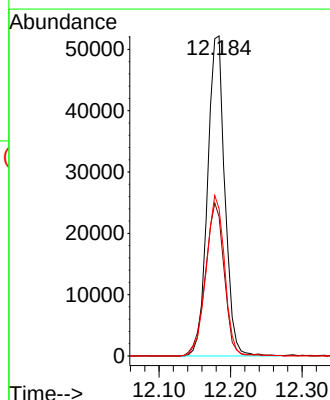
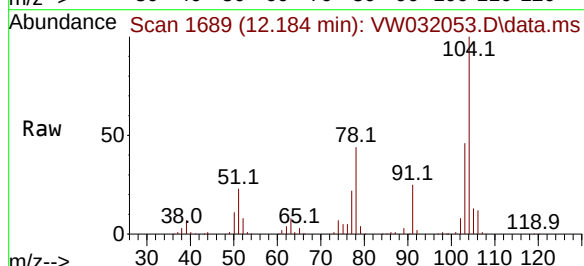
Tgt Ion:104 Resp: 87542

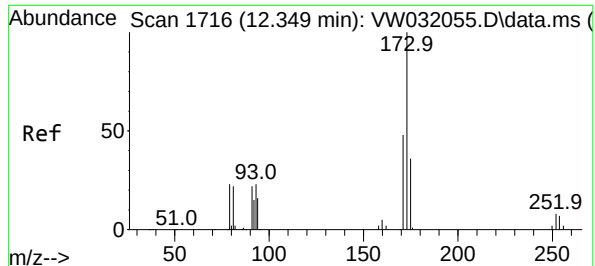
Ion Ratio Lower Upper

104 100

78 52.1 41.2 61.8

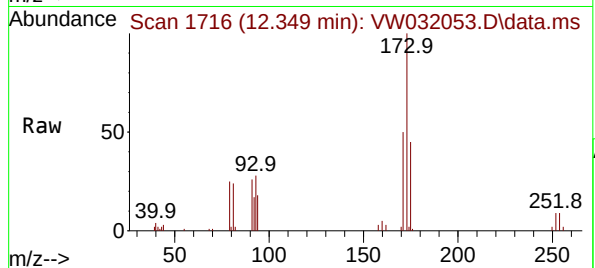
103 53.8 43.8 65.8





#71
Bromoform
Concen: 9.711 ug/l
RT: 12.349 min Scan# 1716
Delta R.T. -0.000 min
Lab File: VW032053.D
Acq: 11 Aug 2025 09:09

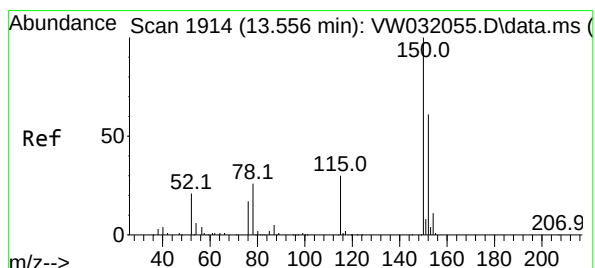
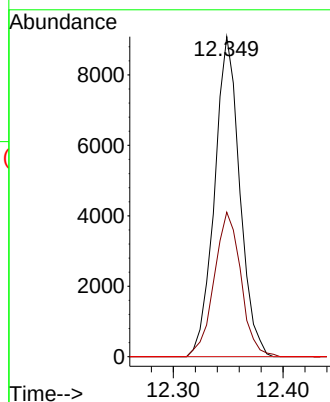
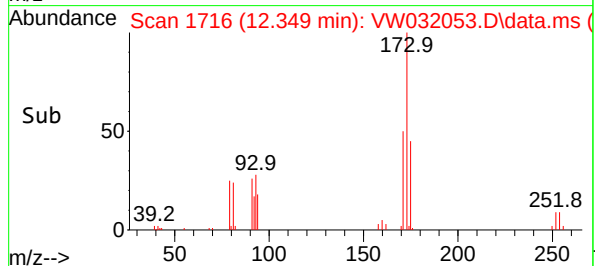
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010



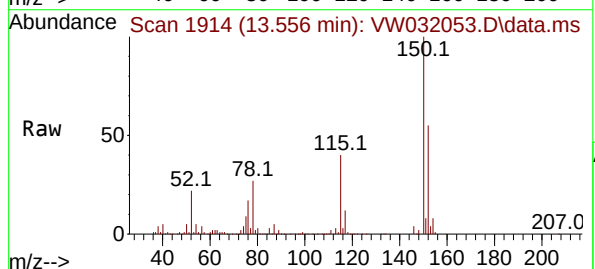
Tgt Ion:173 Resp: 1454
Ion Ratio Lower Upper
173 100
175 47.8 22.9 68.7
254 0.0 0.0 0.0

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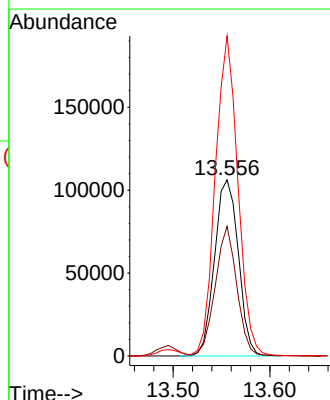
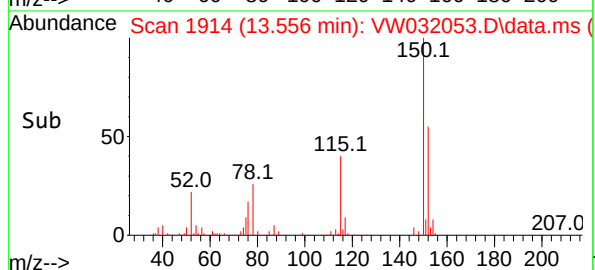
Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025

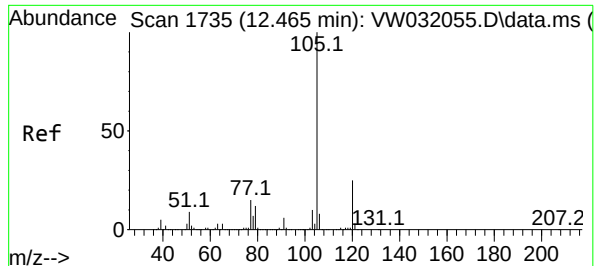


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. -0.000 min
Lab File: VW032053.D
Acq: 11 Aug 2025 09:09



Tgt Ion:152 Resp: 181281
Ion Ratio Lower Upper
152 100
115 66.5 32.6 97.8
150 171.8 0.0 359.4





#73

Isopropylbenzene

Concen: 9.886 ug/l

RT: 12.464 min Scan# 1735

Delta R.T. -0.000 min

Lab File: VW032053.D

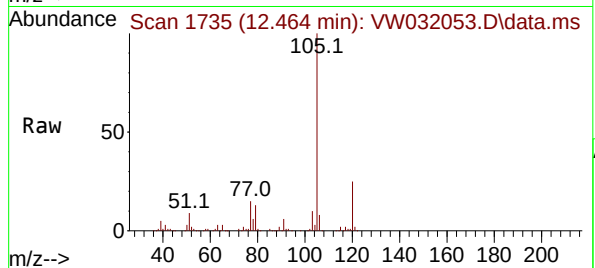
Acq: 11 Aug 2025 09:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC010



Tgt Ion:105 Resp: 125240

Ion Ratio Lower Upper

105 100

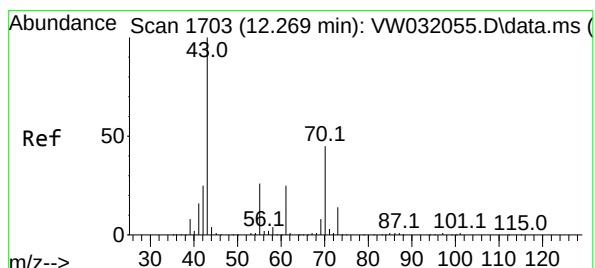
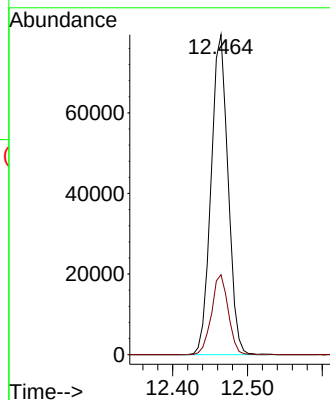
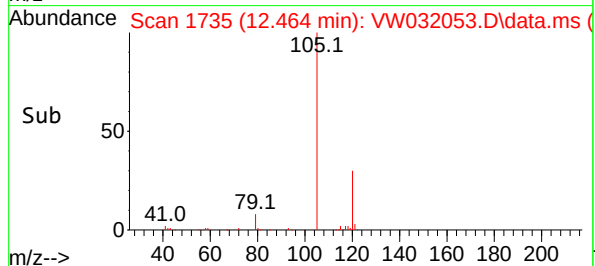
120 24.6 12.8 38.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025

Supervised By :Semsettin Yesilyurt 08/12/2025



#74

N-ethyl acetate

Concen: 9.804 ug/l

RT: 12.269 min Scan# 1703

Delta R.T. -0.000 min

Lab File: VW032053.D

Acq: 11 Aug 2025 09:09

Tgt Ion: 43 Resp: 35636

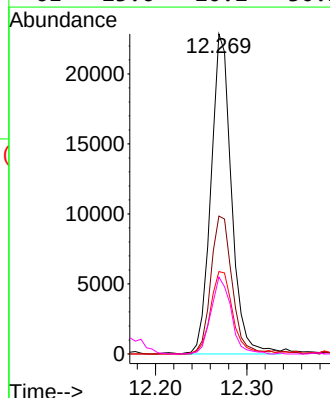
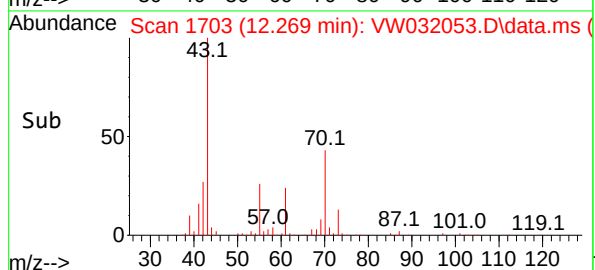
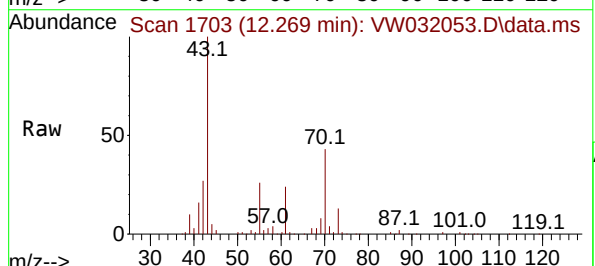
Ion Ratio Lower Upper

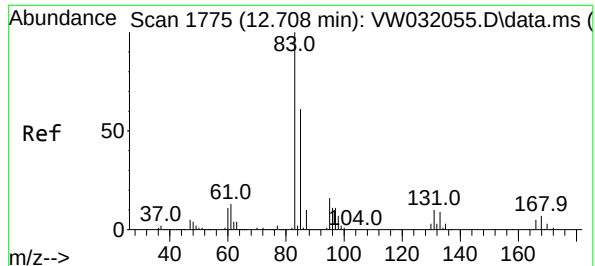
43 100

70 44.7 37.0 55.4

55 28.3 21.1 31.7

61 23.6 20.2 30.2





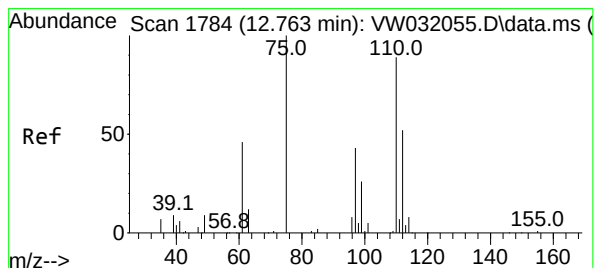
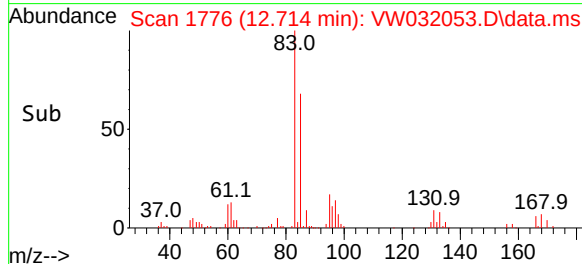
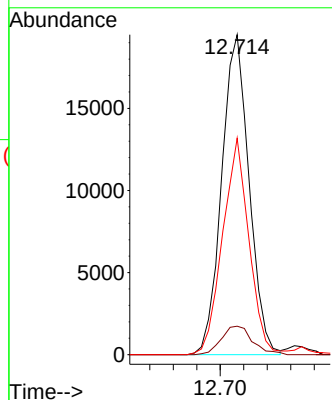
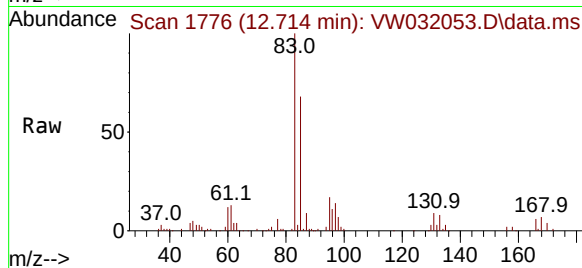
#75
1,1,2,2-Tetrachloroethane
Concen: 10.499 ug/l
RT: 12.714 min Scan# 1776
Delta R.T. 0.006 min
Lab File: VW032053.D
Acq: 11 Aug 2025 09:09

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Tgt Ion: 83 Resp: 3158
Ion Ratio Lower Upper
83 100
131 10.1 5.1 15.4
85 65.0 32.2 96.6

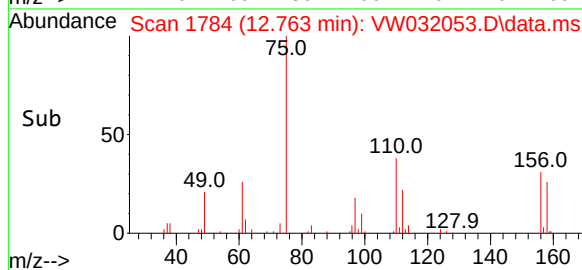
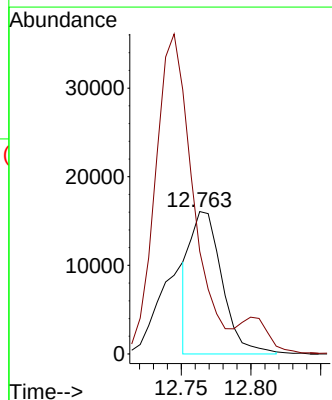
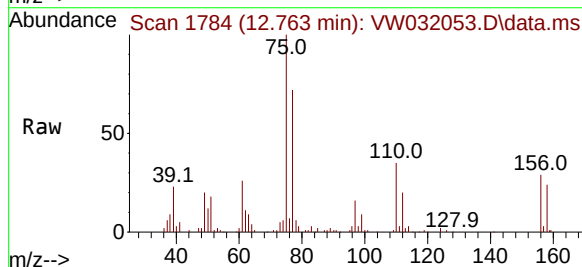
Manual Integrations
APPROVED

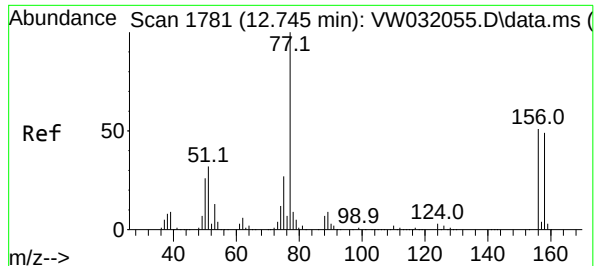
Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025



#76
1,2,3-Trichloropropane
Concen: 9.147 ug/l m
RT: 12.763 min Scan# 1784
Delta R.T. -0.000 min
Lab File: VW032053.D
Acq: 11 Aug 2025 09:09

Tgt Ion: 75 Resp: 25489
Ion Ratio Lower Upper
75 100
77 269.3 123.5 370.5





#77

Bromobenzene

Concen: 10.462 ug/l

RT: 12.745 min Scan# 1781

Delta R.T. -0.000 min

Lab File: VW032053.D

Acq: 11 Aug 2025 09:09

Instrument :

MSVOA_W

ClientSampleId :

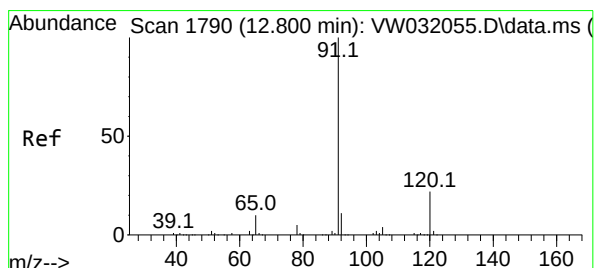
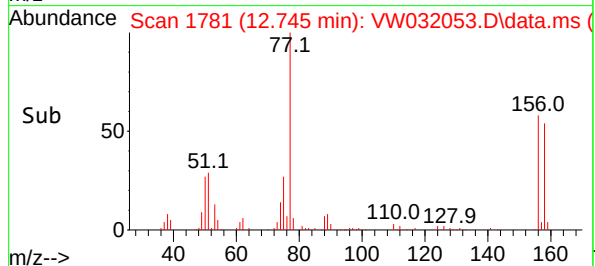
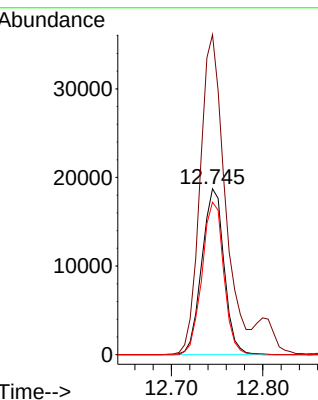
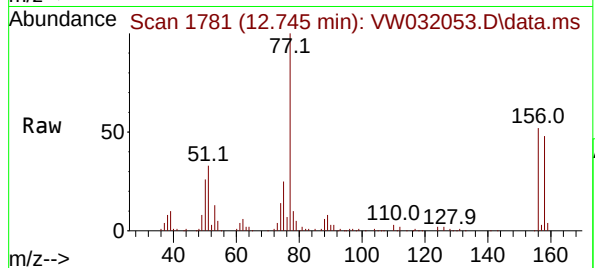
VSTDICC010

Tgt Ion:	156	Resp:	31650
Ion Ratio	Lower	Upper	
156	100		
77	216.8	108.7	326.3
158	90.0	48.3	144.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025



#78

n-propylbenzene

Concen: 10.019 ug/l

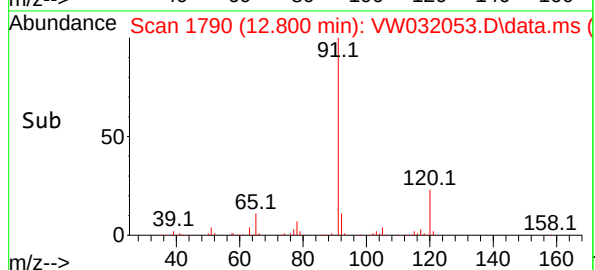
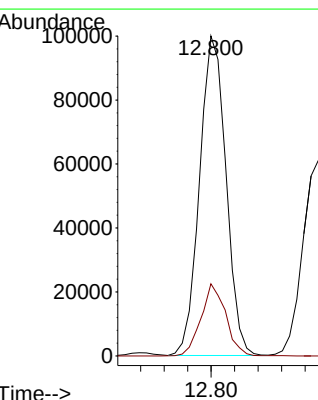
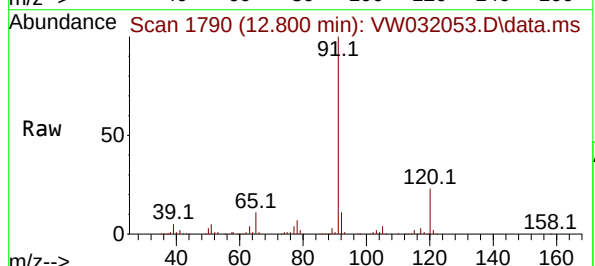
RT: 12.800 min Scan# 1790

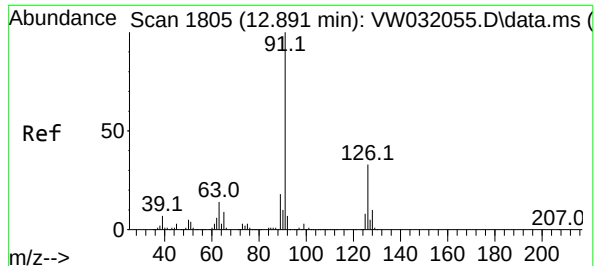
Delta R.T. -0.000 min

Lab File: VW032053.D

Acq: 11 Aug 2025 09:09

Tgt Ion:	91	Resp:	156266
Ion Ratio	Lower	Upper	
91	100		
120	21.1	11.1	33.3





#79

2-Chlorotoluene

Concen: 10.071 ug/l

RT: 12.891 min Scan# 1805

Delta R.T. -0.000 min

Lab File: VW032053.D

Acq: 11 Aug 2025 09:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC010

Tgt Ion: 91 Resp: 9694

Ion Ratio Lower Upper

91 100

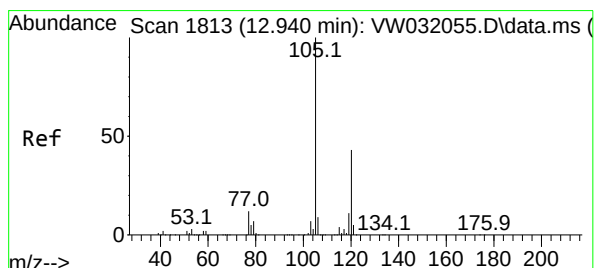
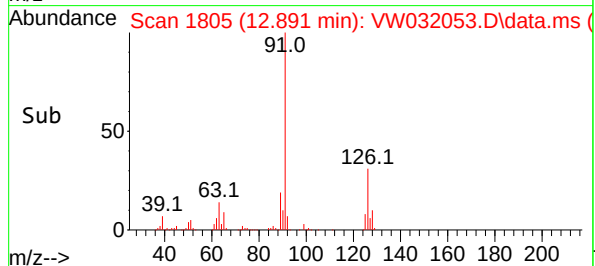
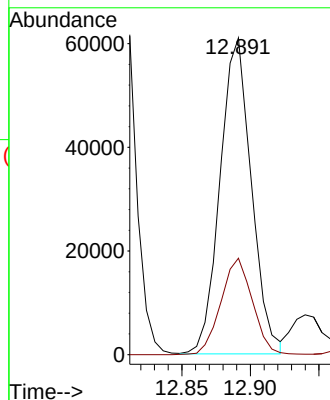
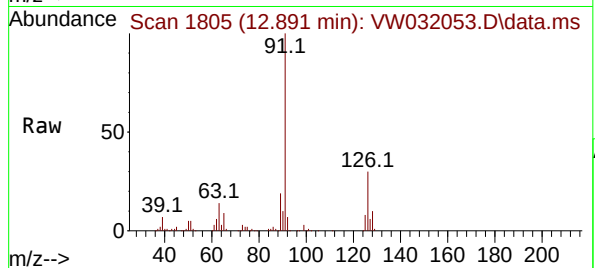
126 30.8 15.9 47.7

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025

Supervised By :Semsettin Yesilyurt 08/12/2025



#80

1,3,5-Trimethylbenzene

Concen: 10.053 ug/l

RT: 12.940 min Scan# 1813

Delta R.T. -0.000 min

Lab File: VW032053.D

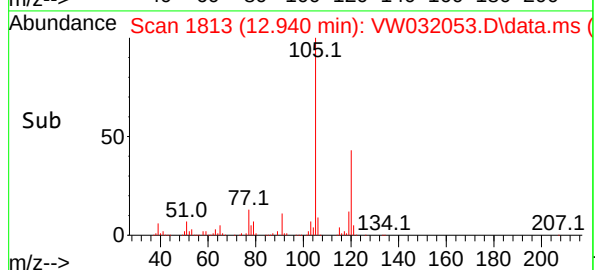
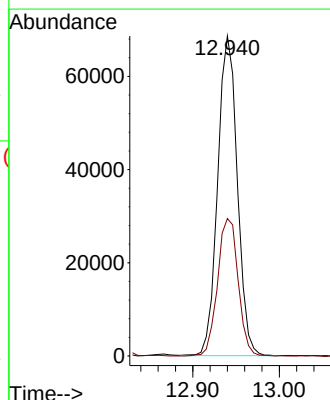
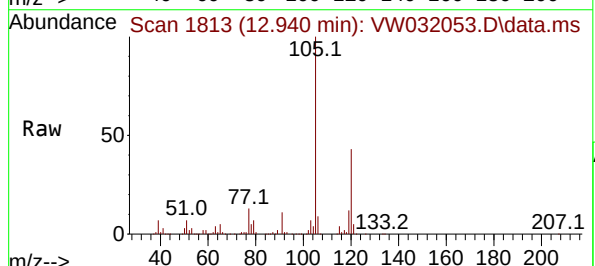
Acq: 11 Aug 2025 09:09

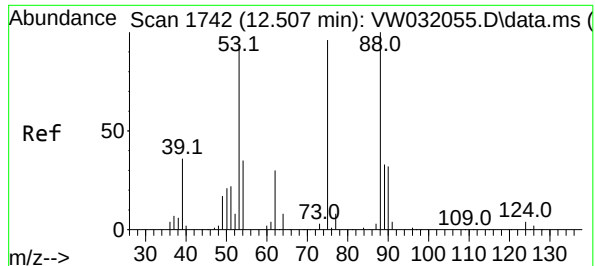
Tgt Ion:105 Resp: 108123

Ion Ratio Lower Upper

105 100

120 45.0 23.4 70.0





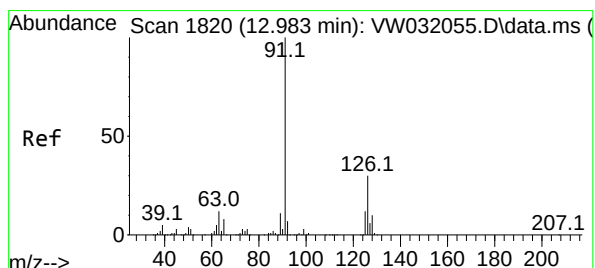
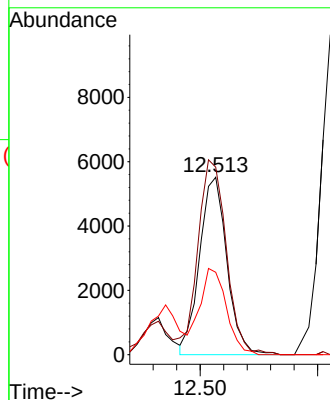
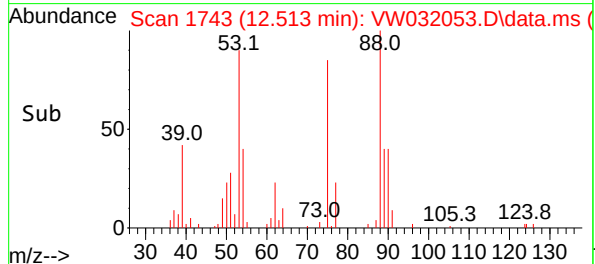
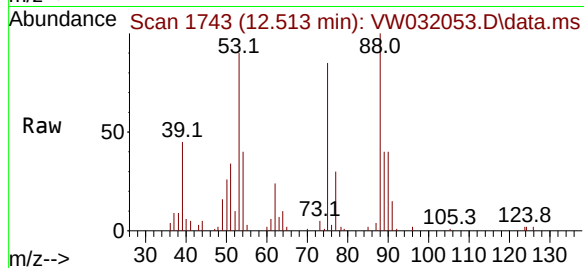
#81
trans-1,4-Dichloro-2-butene
Concen: 9.403 ug/l
RT: 12.513 min Scan# 1743
Delta R.T. 0.006 min
Lab File: VW032053.D
Acq: 11 Aug 2025 09:09

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Tgt Ion	Ratio	Lower	Upper
75	100		
53	115.3	81.0	121.6
89	47.3	37.3	55.9

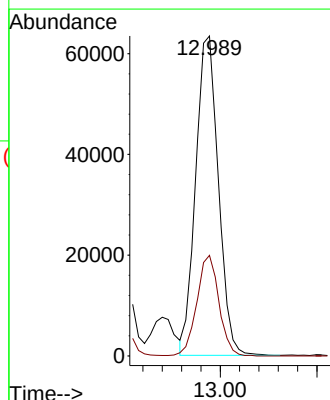
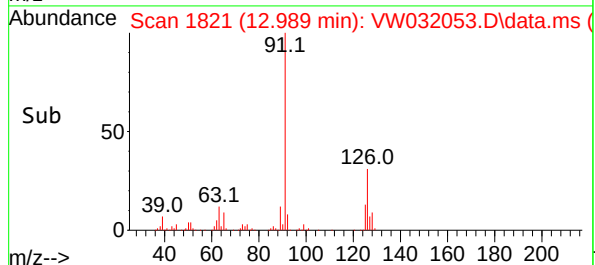
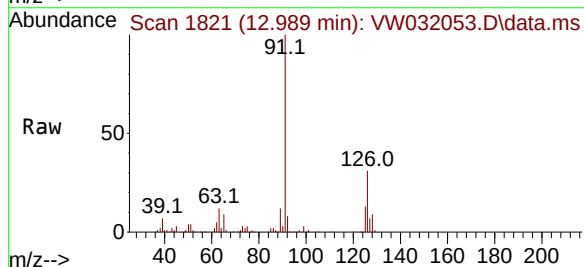
Manual Integrations
APPROVED

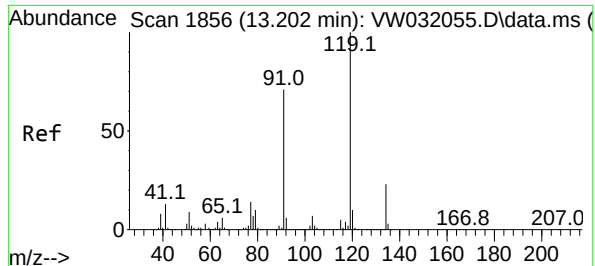
Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025



#82
4-Chlorotoluene
Concen: 10.103 ug/l
RT: 12.989 min Scan# 1821
Delta R.T. 0.006 min
Lab File: VW032053.D
Acq: 11 Aug 2025 09:09

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.8	15.5	46.5





#83

tert-Butylbenzene

Concen: 9.729 ug/l

RT: 13.202 min Scan# 1856

Delta R.T. -0.000 min

Lab File: VW032053.D

Acq: 11 Aug 2025 09:09

Instrument :

MSVOA_W

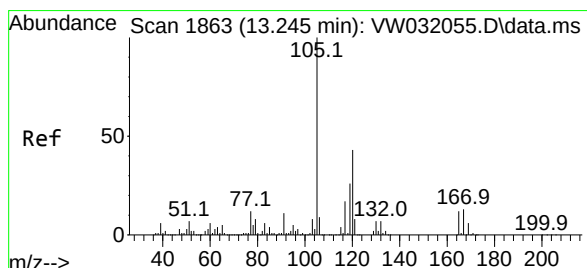
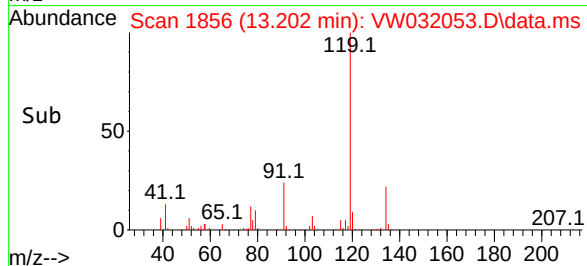
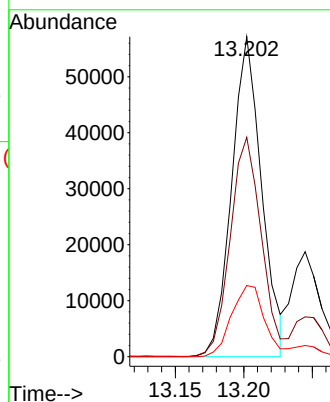
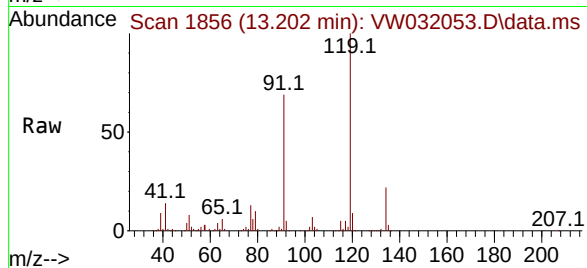
ClientSampleId :

VSTDIC010

Tgt Ion:	119	Resp:	8684
Ion Ratio	Lower	Upper	
119	100		
91	70.7	35.3	105.9
134	24.8	12.1	36.3

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025



#84

1,2,4-Trimethylbenzene

Concen: 10.110 ug/l

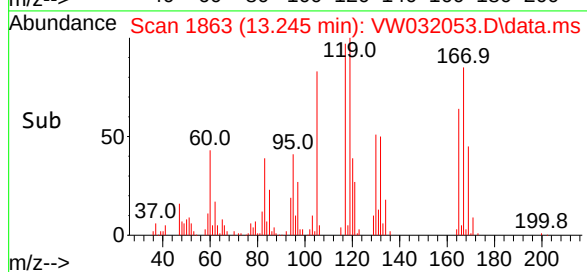
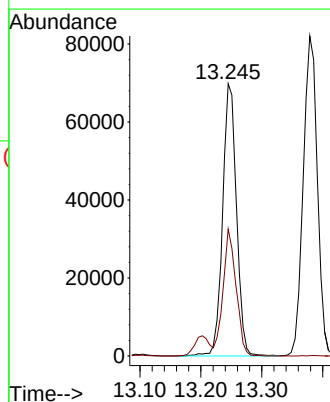
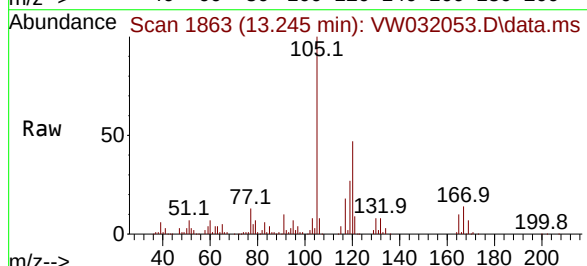
RT: 13.245 min Scan# 1863

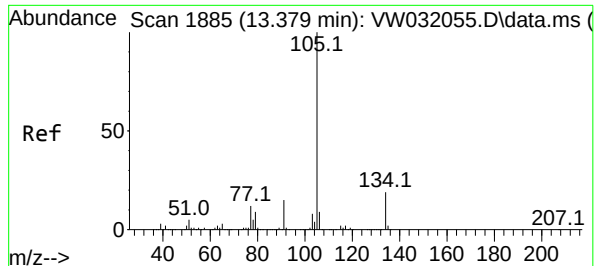
Delta R.T. -0.000 min

Lab File: VW032053.D

Acq: 11 Aug 2025 09:09

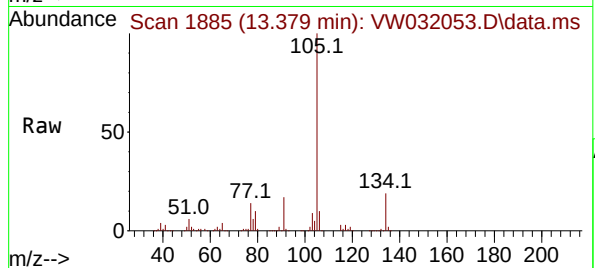
Tgt Ion:	105	Resp:	110697
Ion Ratio	Lower	Upper	
105	100		
120	43.5	21.6	64.8





#85
sec-Butylbenzene
Concen: 9.756 ug/l
RT: 13.379 min Scan# 1885
Delta R.T. -0.000 min
Lab File: VW032053.D
Acq: 11 Aug 2025 09:09

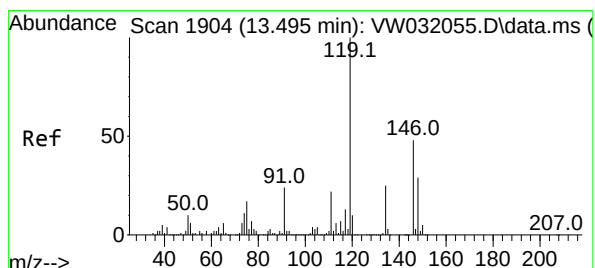
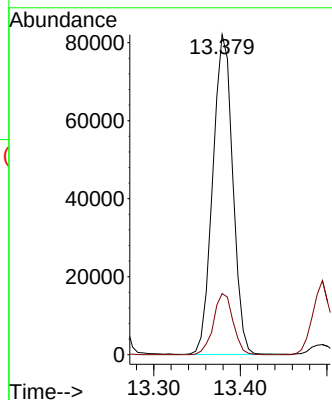
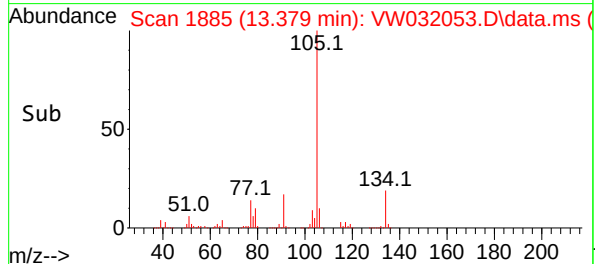
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010



Tgt Ion:105 Resp: 13166
Ion Ratio Lower Upper
105 100
134 18.7 9.9 29.7

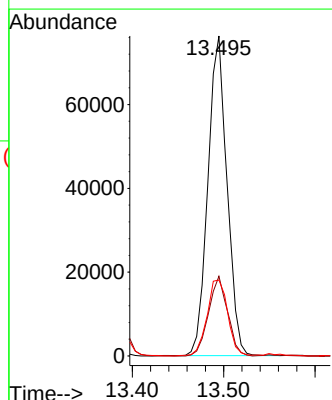
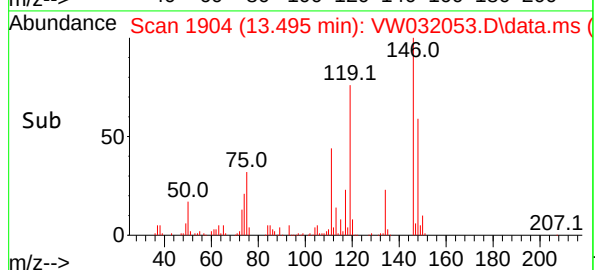
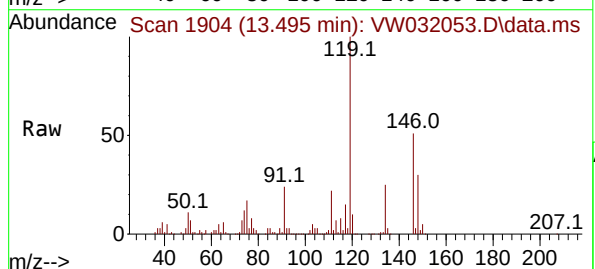
Manual Integrations
APPROVED

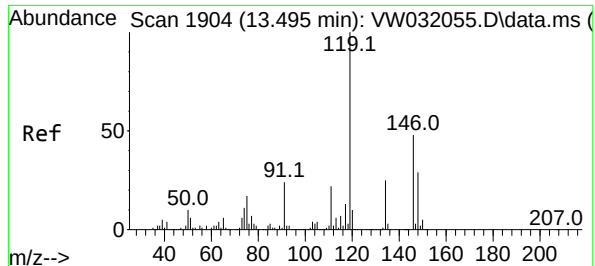
Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025



#86
p-Isopropyltoluene
Concen: 9.827 ug/l
RT: 13.495 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VW032053.D
Acq: 11 Aug 2025 09:09

Tgt Ion:119 Resp: 110557
Ion Ratio Lower Upper
119 100
134 24.8 12.4 37.0
91 25.8 12.1 36.3





#87

1,3-Dichlorobenzene

Concen: 10.361 ug/l

RT: 13.495 min Scan# 1904

Delta R.T. -0.000 min

Lab File: VW032053.D

Acq: 11 Aug 2025 09:09

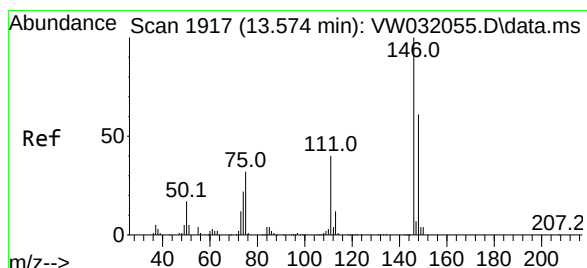
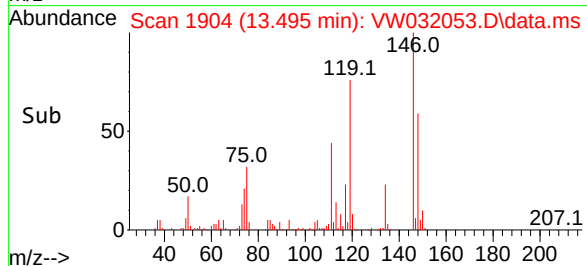
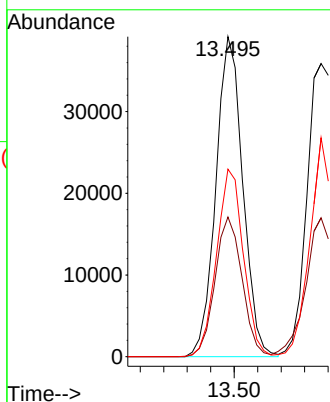
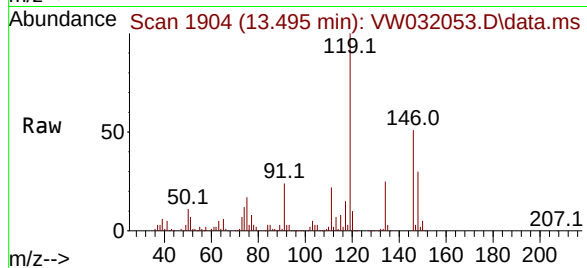
Instrument :

MSVOA_W

ClientSampleId :

VSTDICC010

Tgt Ion:	146	Resp:	6238
Ion Ratio	Lower	Upper	
146	100		
111	43.9	21.2	63.6
148	58.5	30.3	90.8

Manual Integrations
APPROVEDReviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025

#88

1,4-Dichlorobenzene

Concen: 10.328 ug/l

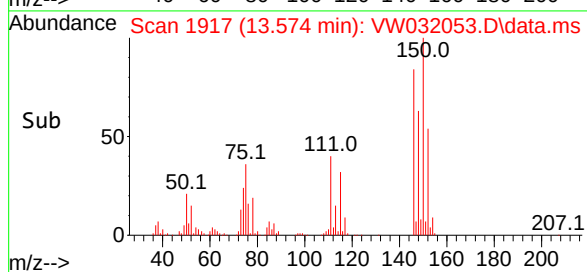
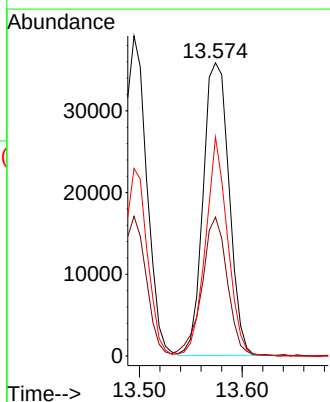
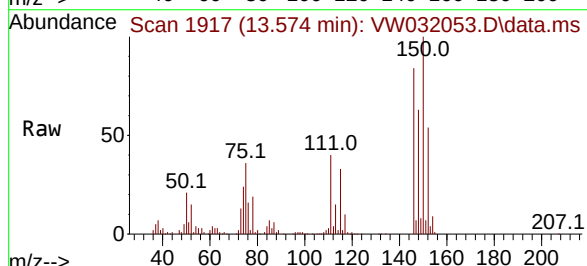
RT: 13.574 min Scan# 1917

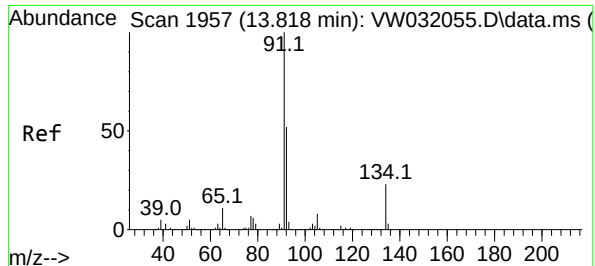
Delta R.T. -0.000 min

Lab File: VW032053.D

Acq: 11 Aug 2025 09:09

Tgt Ion:	146	Resp:	62843
Ion Ratio	Lower	Upper	
146	100		
111	46.7	21.6	64.6
148	63.8	32.0	96.2





#89

n-Butylbenzene

Concen: 9.881 ug/l

RT: 13.818 min Scan# 1957

Delta R.T. -0.000 min

Lab File: VW032053.D

Acq: 11 Aug 2025 09:09

Instrument :

MSVOA_W

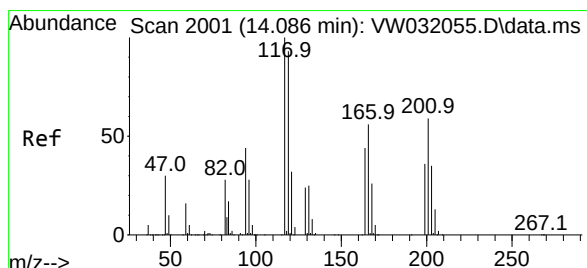
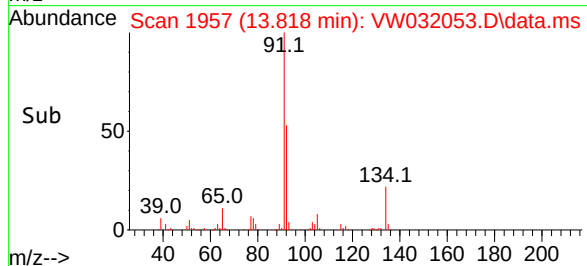
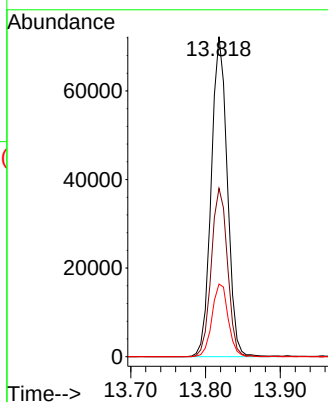
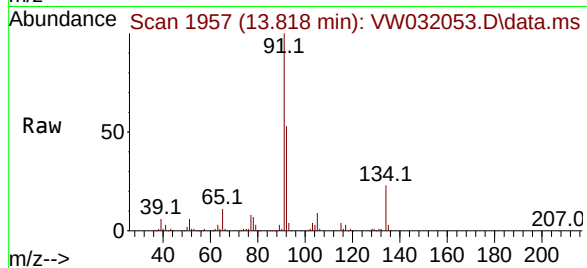
ClientSampleId :

VSTDIC010

Tgt Ion:	91	Resp:	10800
Ion Ratio	Lower	Upper	
91	100		
92	53.0	26.7	80.1
134	22.8	12.0	36.1

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025



#90

Hexachloroethane

Concen: 9.805 ug/l

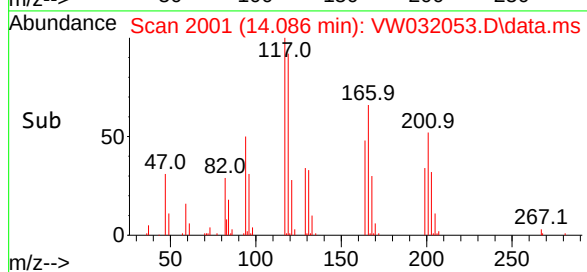
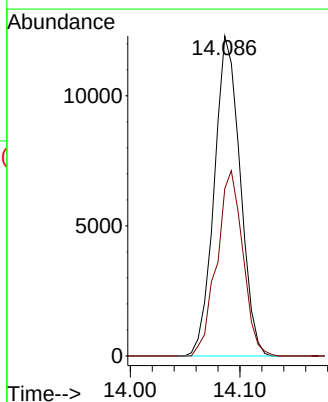
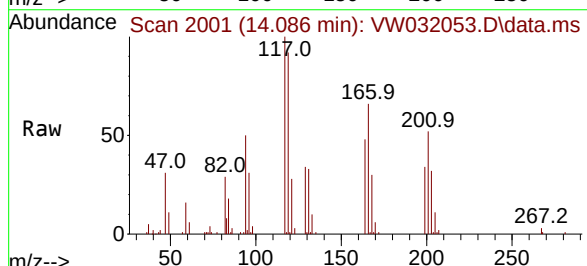
RT: 14.086 min Scan# 2001

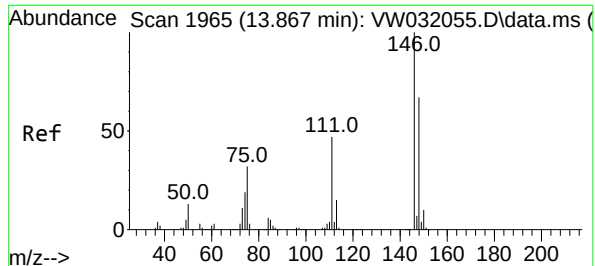
Delta R.T. -0.000 min

Lab File: VW032053.D

Acq: 11 Aug 2025 09:09

Tgt Ion:	117	Resp:	20175
Ion Ratio	Lower	Upper	
117	100		
201	58.3	30.9	92.5





#91

1,2-Dichlorobenzene

Concen: 10.359 ug/l

RT: 13.867 min Scan# 1965

Delta R.T. -0.000 min

Lab File: VW032053.D

Acq: 11 Aug 2025 09:09

Instrument :

MSVOA_W

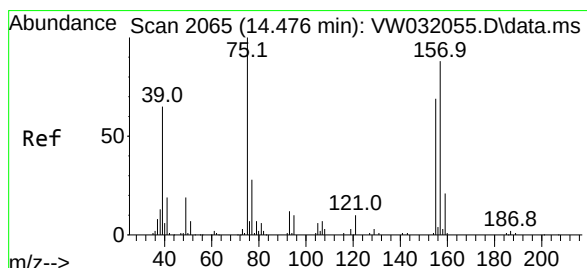
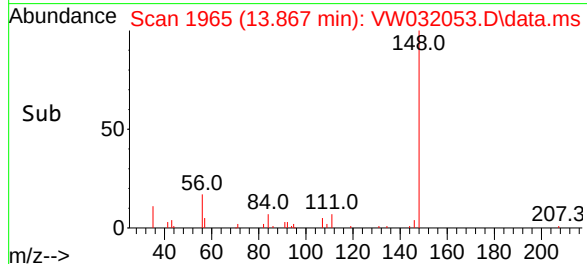
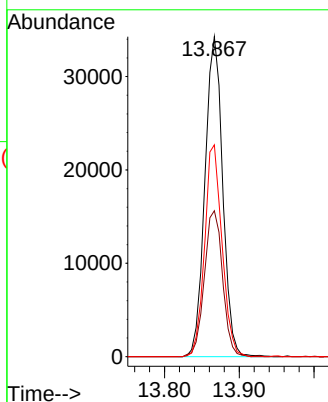
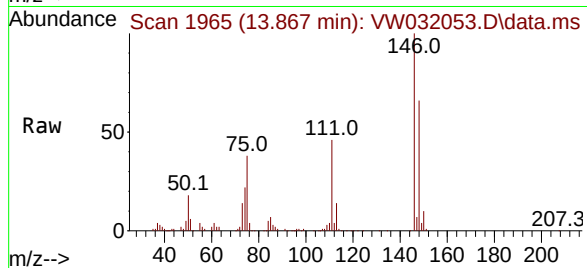
ClientSampleId :

VSTDICC010

Tgt Ion:	146	Resp:	5650
Ion Ratio	Lower	Upper	
146	100		
111	46.8	23.1	69.3
148	64.9	32.9	98.6

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025



#92

1,2-Dibromo-3-Chloropropane

Concen: 9.920 ug/l

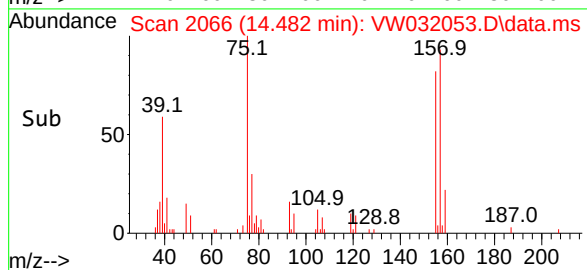
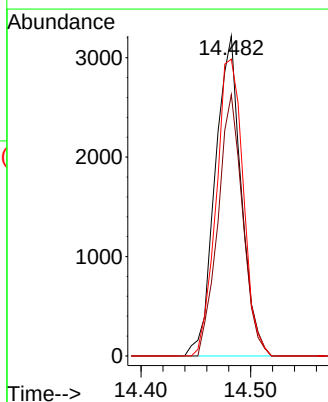
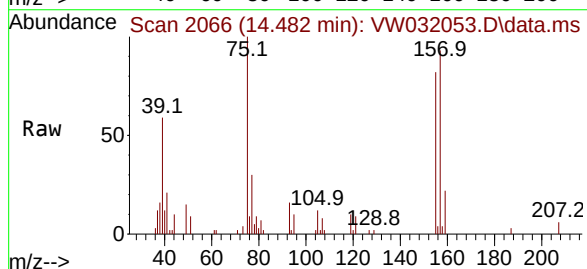
RT: 14.482 min Scan# 2066

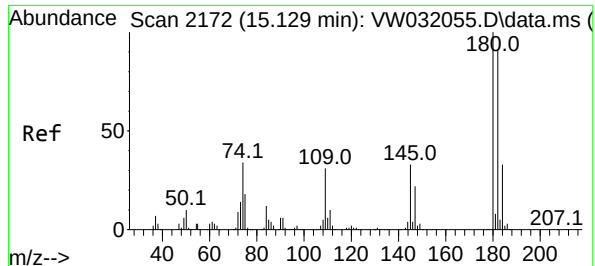
Delta R.T. 0.006 min

Lab File: VW032053.D

Acq: 11 Aug 2025 09:09

Tgt Ion:	75	Resp:	5305
Ion Ratio	Lower	Upper	
75	100		
155	77.5	35.2	105.6
157	96.6	47.5	142.6





#93

1,2,4-Trichlorobenzene

Concen: 9.751 ug/l

RT: 15.129 min Scan# 2172

Delta R.T. -0.000 min

Lab File: VW032053.D

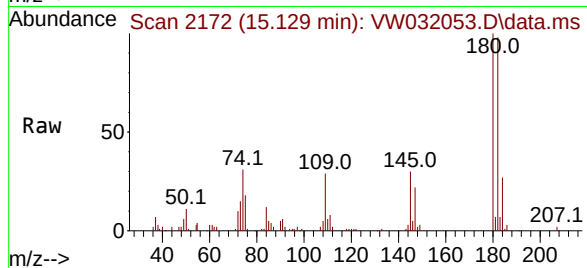
Acq: 11 Aug 2025 09:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

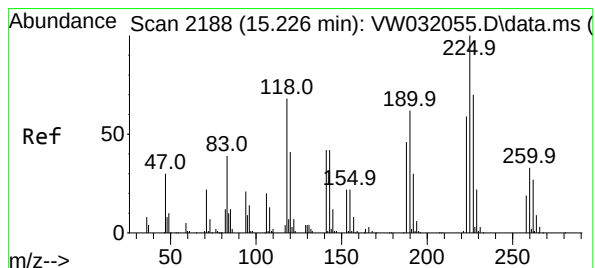
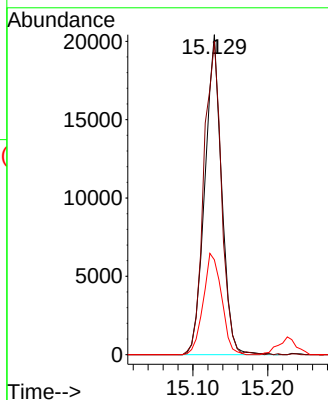
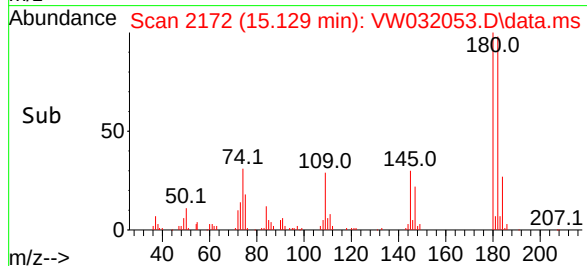


Tgt Ion:	180	Resp:	31810
Ion Ratio	Lower	Upper	
180	100		
182	102.4	49.0	147.0
145	34.6	17.3	51.9

Manual Integrations

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Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025



#94

Hexachlorobutadiene

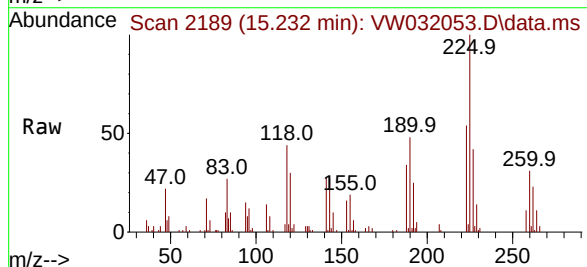
Concen: 10.276 ug/l

RT: 15.232 min Scan# 2189

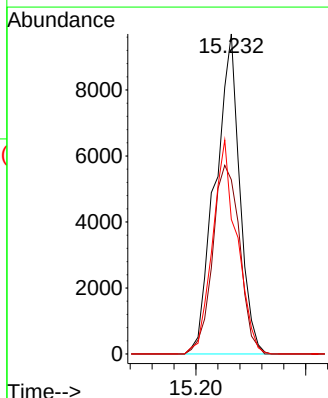
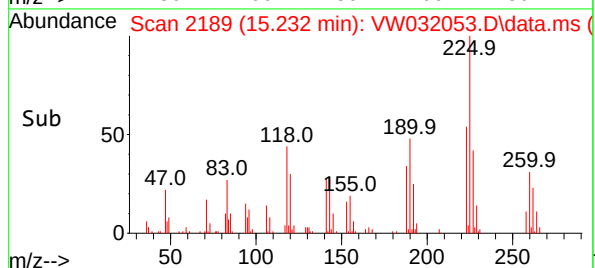
Delta R.T. 0.006 min

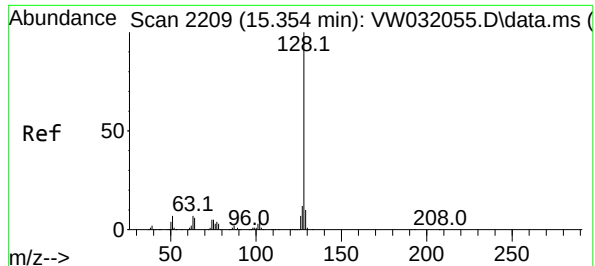
Lab File: VW032053.D

Acq: 11 Aug 2025 09:09



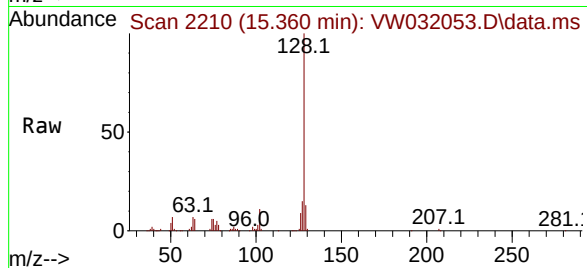
Tgt Ion:	225	Resp:	14987
Ion Ratio	Lower	Upper	
225	100		
223	65.5	31.8	95.3
227	66.4	33.5	100.5





#95
Naphthalene
Concen: 9.542 ug/l
RT: 15.360 min Scan# 2210
Delta R.T. 0.006 min
Lab File: VW032053.D
Acq: 11 Aug 2025 09:09

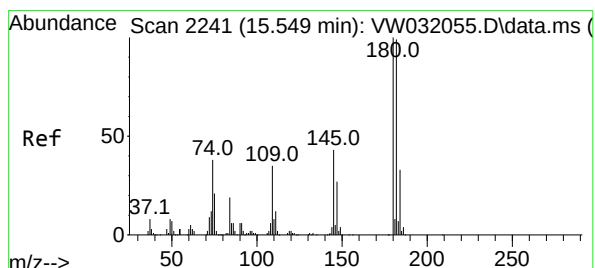
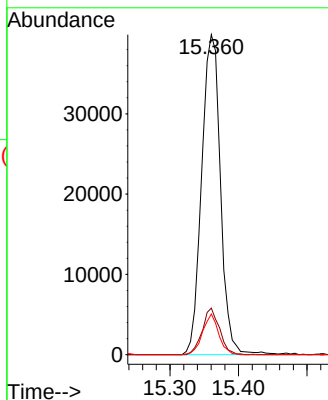
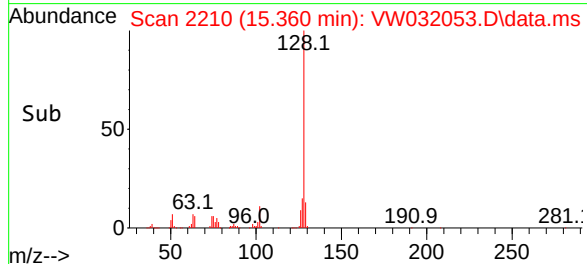
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010



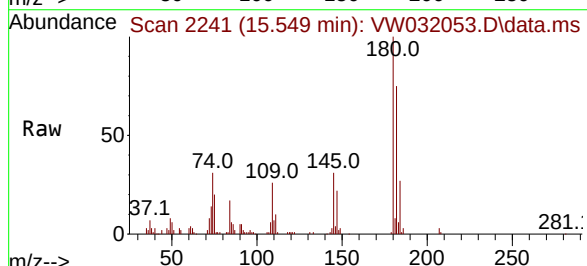
Tgt Ion:128 Resp: 7628
Ion Ratio Lower Upper
128 100
127 13.3 10.5 15.7
129 10.9 8.2 12.4

Manual Integrations
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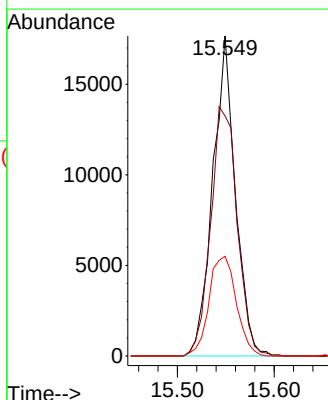
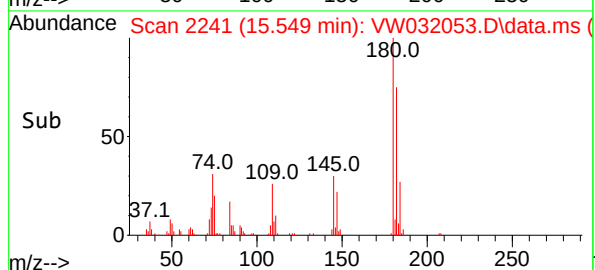
Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025



#96
1,2,3-Trichlorobenzene
Concen: 9.660 ug/l
RT: 15.549 min Scan# 2241
Delta R.T. -0.000 min
Lab File: VW032053.D
Acq: 11 Aug 2025 09:09



Tgt Ion:180 Resp: 28678
Ion Ratio Lower Upper
180 100
182 91.5 46.0 138.0
145 37.6 19.2 57.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081125\
 Data File : VW032054.D
 Acq On : 11 Aug 2025 09:47
 Operator : SY/MD
 Sample : VSTDICC020
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC020

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025
 Supervised By :Semsettin Yesilyurt 08/12/2025

Quant Time: Aug 12 03:37:51 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 12 03:34:13 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.959	168	221832	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	428395	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	386857	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.550	152	191343	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.313	65	63857	19.904	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery =	39.800%#		
35) Dibromofluoromethane	7.898	113	55788	20.158	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery =	40.320%#		
50) Toluene-d8	10.325	98	206901	20.212	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery =	40.420%#		
62) 4-Bromofluorobenzene	12.617	95	76008	20.149	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery =	40.300%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.046	85	34171	21.537	ug/l	94
3) Chloromethane	2.253	50	44499	20.821	ug/l	99
4) Vinyl Chloride	2.405	62	57293	22.162	ug/l	91
5) Bromomethane	2.814	94	41008	21.144	ug/l	93
6) Chloroethane	2.966	64	36220	21.173	ug/l	100
7) Trichlorofluoromethane	3.302	101	38977	18.821	ug/l	99
8) Diethyl Ether	3.716	74	34764	20.489	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.088	101	52165	21.351	ug/l	99
10) Methyl Iodide	4.308	142	74197	21.419	ug/l	99
11) Tert butyl alcohol	5.216	59	18539	89.237	ug/l	100
12) 1,1-Dichloroethene	4.076	96	57624	21.419	ug/l	98
13) Acrolein	3.923	56	32512	98.218	ug/l	96
14) Allyl chloride	4.698	41	81458	20.804	ug/l	99
15) Acrylonitrile	5.393	53	75311	93.190	ug/l	98
16) Acetone	4.155	43	67134	90.379	ug/l	99
17) Carbon Disulfide	4.417	76	153247	21.222	ug/l	97
18) Methyl Acetate	4.704	43	43536	18.522	ug/l	100
19) Methyl tert-butyl Ether	5.466	73	96253	20.306	ug/l	99
20) Methylene Chloride	4.948	84	74547	21.706	ug/l	94
21) trans-1,2-Dichloroethene	5.454	96	59717	20.917	ug/l	97
22) Diisopropyl ether	6.338	45	172071	20.846	ug/l	99
23) Vinyl Acetate	6.277	43	539862	99.617	ug/l	99
24) 1,1-Dichloroethane	6.240	63	110835	21.016	ug/l	98
25) 2-Butanone	7.191	43	96191	91.114	ug/l	97
26) 2,2-Dichloropropane	7.179	77	53780	20.327	ug/l	100
27) cis-1,2-Dichloroethene	7.191	96	68545	20.540	ug/l	99
28) Bromochloromethane	7.527	49	48715	20.298	ug/l	99
29) Tetrahydrofuran	7.551	42	64317	92.379	ug/l	98
30) Chloroform	7.691	83	117474	21.011	ug/l	97
31) Cyclohexane	7.965	56	95253	20.833	ug/l	98
32) 1,1,1-Trichloroethane	7.880	97	85600	21.078	ug/l	97
36) 1,1-Dichloropropene	8.087	75	80811	20.712	ug/l	99
37) Ethyl Acetate	7.270	43	41235	17.945	ug/l	98
38) Carbon Tetrachloride	8.081	117	77289	20.527	ug/l	91
39) Methylcyclohexane	9.337	83	97412	20.484	ug/l	94
40) Benzene	8.331	78	246590	20.333	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081125\
 Data File : VW032054.D
 Acq On : 11 Aug 2025 09:47
 Operator : SY/MD
 Sample : VSTDICC020
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC020

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025

Supervised By :Semsettin Yesilyurt 08/12/2025

Quant Time: Aug 12 03:37:51 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M

Quant Title : SW846 8260

QLast Update : Tue Aug 12 03:34:13 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.496	41	25075	19.242	ug/l	97
42) 1,2-Dichloroethane	8.410	62	78543	20.239	ug/l	99
43) Isopropyl Acetate	8.435	43	78887	18.660	ug/l	98
44) Trichloroethene	9.099	130	58636	20.302	ug/l	99
45) 1,2-Dichloropropane	9.374	63	60346	20.597	ug/l	100
46) Dibromomethane	9.465	93	37580	19.873	ug/l	98
47) Bromodichloromethane	9.648	83	86577	19.869	ug/l	92
48) Methyl methacrylate	9.441	41	38175	18.704	ug/l	97
49) 1,4-Dioxane	9.459	88	8924	364.998	ug/l	97
51) 4-Methyl-2-Pentanone	10.209	43	220661	92.472	ug/l	99
52) Toluene	10.392	92	155974	20.418	ug/l	98
53) t-1,3-Dichloropropene	10.605	75	79452	19.463	ug/l	97
54) cis-1,3-Dichloropropene	10.075	75	90828	19.612	ug/l	96
55) 1,1,2-Trichloroethane	10.788	97	49974	19.888	ug/l	95
56) Ethyl methacrylate	10.648	69	62694	18.645	ug/l	97
57) 1,3-Dichloropropane	10.934	76	86678	19.790	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.928	63	176339	94.809	ug/l	98
59) 2-Hexanone	10.971	43	151264	91.530	ug/l	100
60) Dibromochloromethane	11.130	129	56607	19.721	ug/l	100
61) 1,2-Dibromoethane	11.233	107	47302	19.371	ug/l	100
64) Tetrachloroethene	10.861	164	45660	20.434	ug/l	99
65) Chlorobenzene	11.654	112	169830	20.169	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.727	131	52937	20.150	ug/l	98
67) Ethyl Benzene	11.727	91	297193	20.836	ug/l	97
68) m/p-Xylenes	11.837	106	233224	42.376	ug/l	98
69) o-Xylene	12.166	106	104192	20.482	ug/l	100
70) Styrene	12.178	104	189664	20.991	ug/l	98
71) Bromoform	12.349	173	28540	18.991	ug/l #	96
73) Isopropylbenzene	12.459	105	269829	20.178	ug/l	99
74) N-amyl acetate	12.270	43	69075	18.005	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.709	83	58836	18.531	ug/l	99
76) 1,2,3-Trichloropropane	12.763	75	51456m	17.494	ug/l	
77) Bromobenzene	12.745	156	61389	19.221	ug/l	98
78) n-propylbenzene	12.800	91	337098	20.476	ug/l	100
79) 2-Chlorotoluene	12.885	91	203918	20.069	ug/l	100
80) 1,3,5-Trimethylbenzene	12.940	105	229615	20.226	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.507	75	17512	17.458	ug/l	92
82) 4-Chlorotoluene	12.983	91	218637	20.253	ug/l	98
83) tert-Butylbenzene	13.202	119	194168	20.608	ug/l	98
84) 1,2,4-Trimethylbenzene	13.245	105	240078	20.774	ug/l	100
85) sec-Butylbenzene	13.379	105	292689	20.547	ug/l	97
86) p-Isopropyltoluene	13.495	119	245081	20.638	ug/l	99
87) 1,3-Dichlorobenzene	13.495	146	128893	20.282	ug/l	99
88) 1,4-Dichlorobenzene	13.574	146	133097	20.724	ug/l	97
89) n-Butylbenzene	13.818	91	234522	20.328	ug/l	99
90) Hexachloroethane	14.086	117	43226	19.904	ug/l	93
91) 1,2-Dichlorobenzene	13.861	146	114056	19.812	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.476	75	10011	17.736	ug/l	95
93) 1,2,4-Trichlorobenzene	15.123	180	69229	20.102	ug/l	95
94) Hexachlorobutadiene	15.226	225	30358	19.720	ug/l	91
95) Naphthalene	15.360	128	153137	18.147	ug/l	98
96) 1,2,3-Trichlorobenzene	15.543	180	61526	19.635	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081125\
Data File : VW032054.D
Acq On : 11 Aug 2025 09:47
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025

Quant Time: Aug 12 03:37:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 12 03:34:13 2025
Response via : Initial Calibration

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081125\
Data File : VW032054.D
Acq On : 11 Aug 2025 09:47
Operator : SY/MD
Sample : VSTDIC020
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Quant Time: Aug 12 03:37:51 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M

Quant Title : SW846 8260

QLast Update : Tue Aug 12 03:34:13 2025

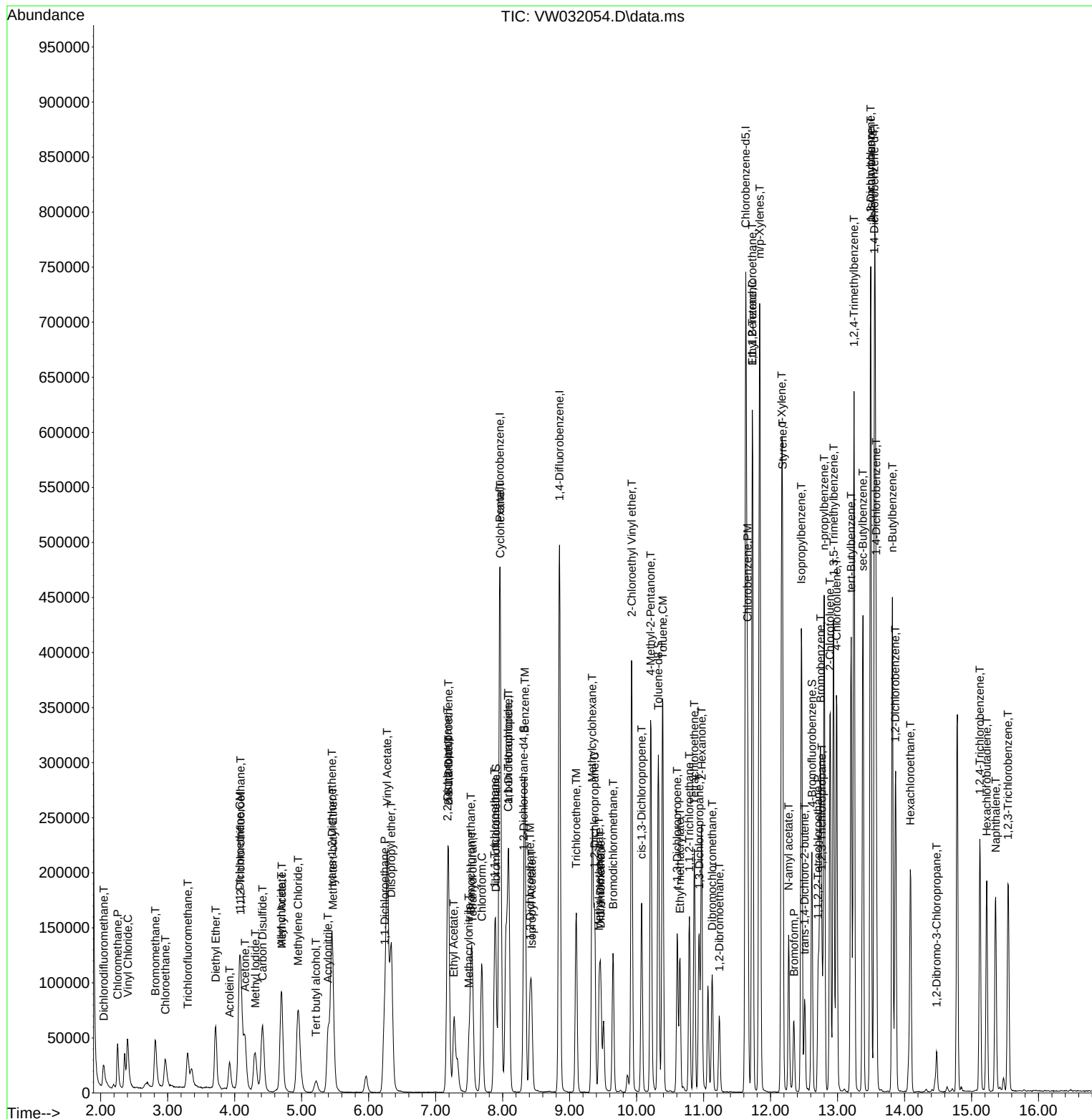
Response via : Initial Calibration

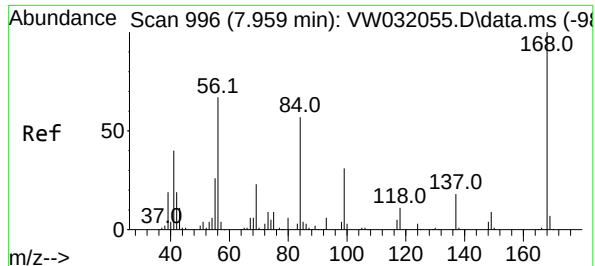
Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025

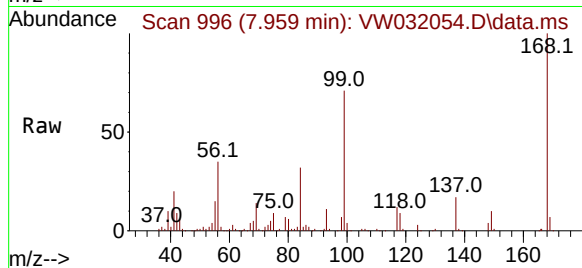
Supervised By :Semsettin Yesilyurt 08/12/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 996
Delta R.T. 0.000 min
Lab File: VW032054.D
Acq: 11 Aug 2025 09:47

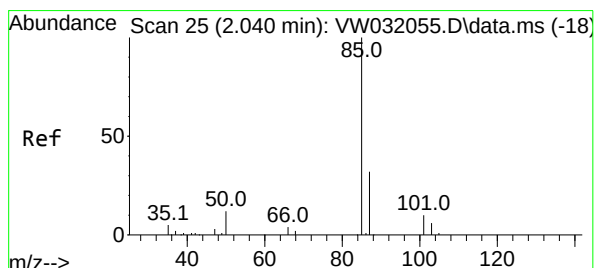
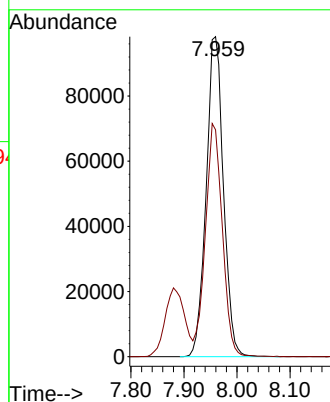
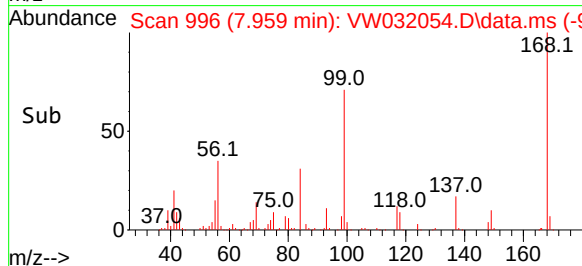
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020



Tgt Ion:168 Resp: 22183
Ion Ratio Lower Upper
168 100
99 70.9 56.0 84.0

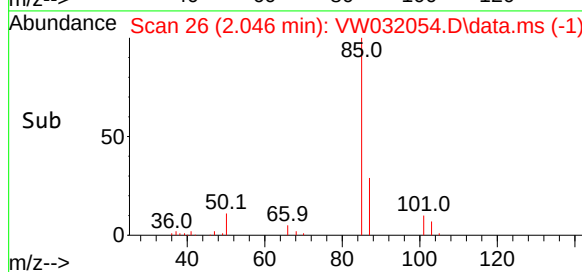
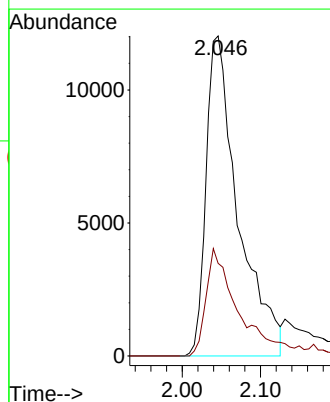
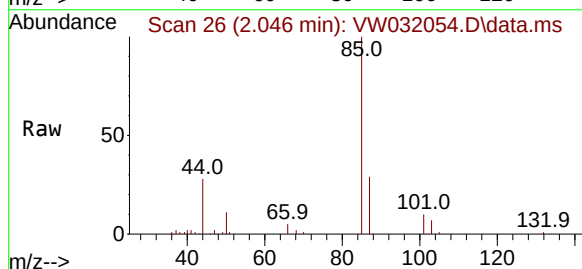
Manual Integrations
APPROVED

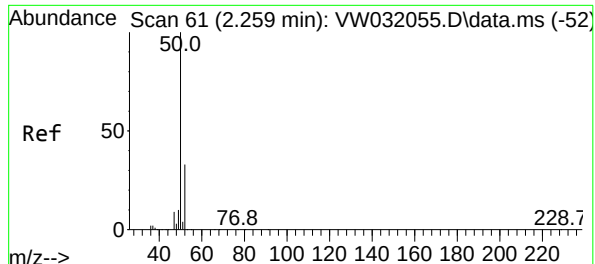
Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025



#2
Dichlorodifluoromethane
Concen: 21.537 ug/l
RT: 2.046 min Scan# 26
Delta R.T. 0.006 min
Lab File: VW032054.D
Acq: 11 Aug 2025 09:47

Tgt Ion: 85 Resp: 34171
Ion Ratio Lower Upper
85 100
87 29.0 16.2 48.6





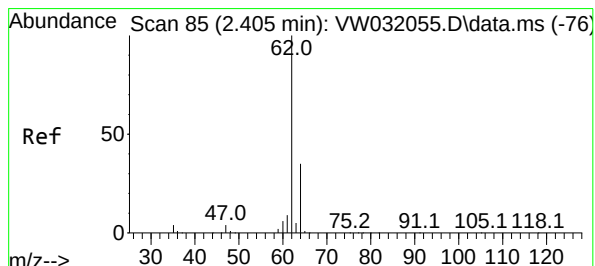
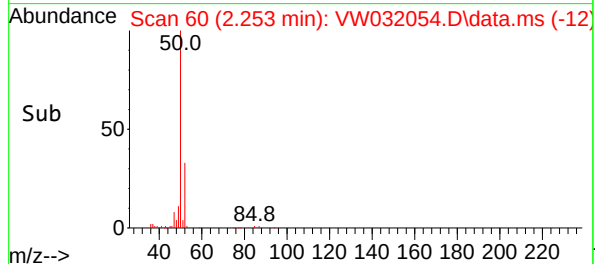
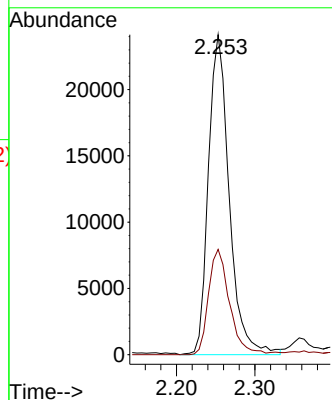
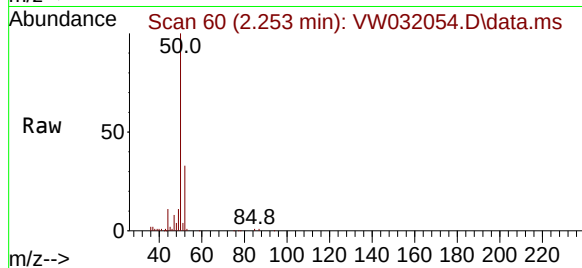
#3
Chloromethane
Concen: 20.821 ug/l
RT: 2.253 min Scan# 60
Delta R.T. -0.006 min
Lab File: VW032054.D
Acq: 11 Aug 2025 09:47

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Tgt Ion: 50 Resp: 4449
Ion Ratio Lower Upper
50 100
52 32.9 26.6 39.8

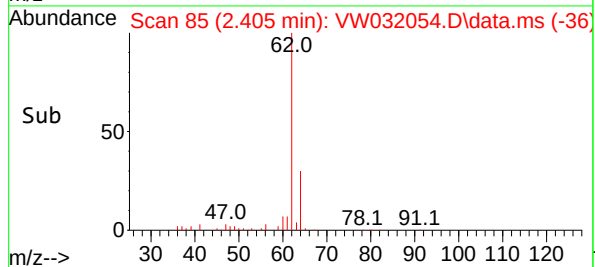
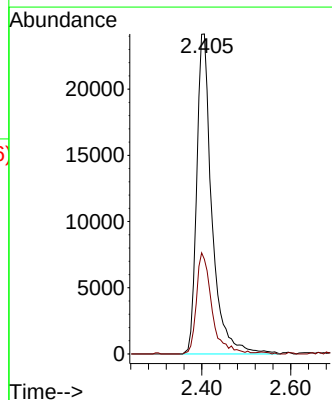
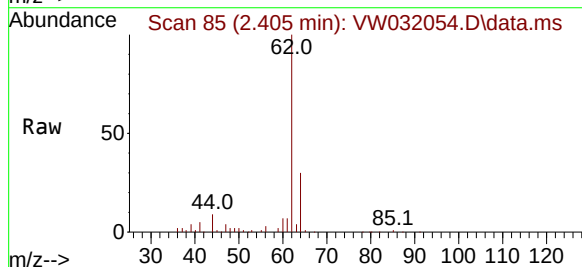
Manual Integrations
APPROVED

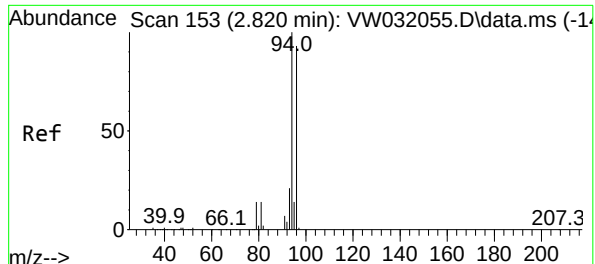
Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025



#4
Vinyl Chloride
Concen: 22.162 ug/l
RT: 2.405 min Scan# 85
Delta R.T. 0.000 min
Lab File: VW032054.D
Acq: 11 Aug 2025 09:47

Tgt Ion: 62 Resp: 57293
Ion Ratio Lower Upper
62 100
64 29.6 27.8 41.6





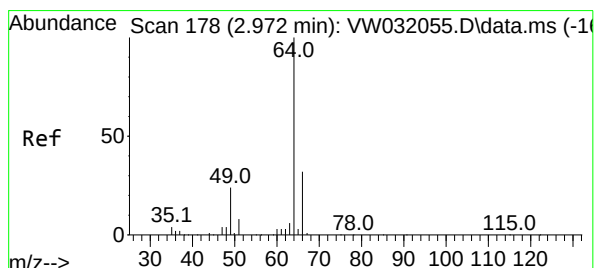
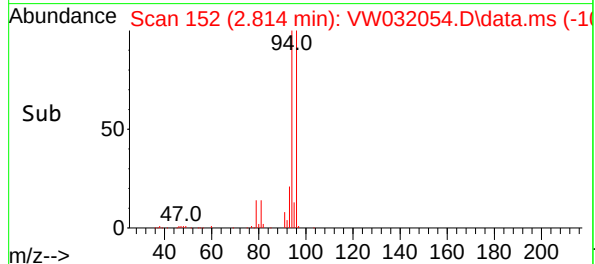
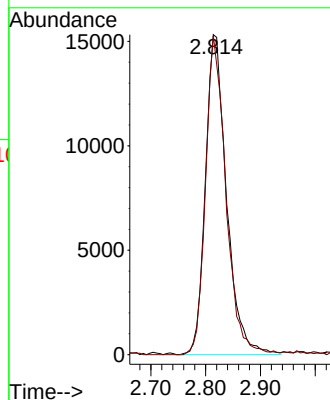
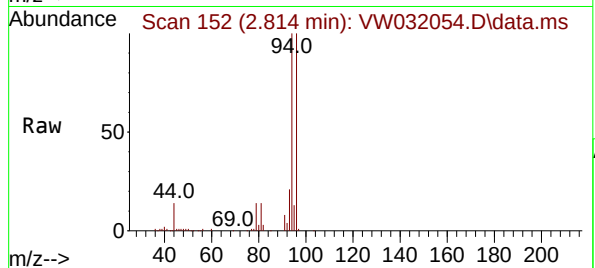
#5
Bromomethane
Concen: 21.144 ug/l
RT: 2.814 min Scan# 152
Delta R.T. -0.006 min
Lab File: VW032054.D
Acq: 11 Aug 2025 09:47

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Tgt Ion: 94 Resp: 41008
Ion Ratio Lower Upper
94 100
96 99.7 74.7 112.1

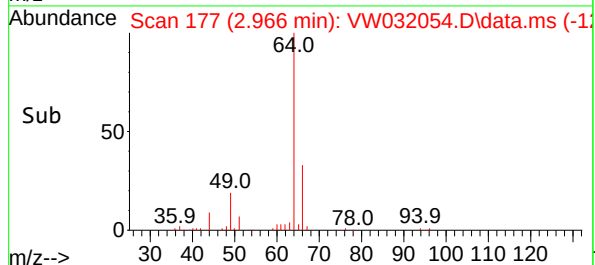
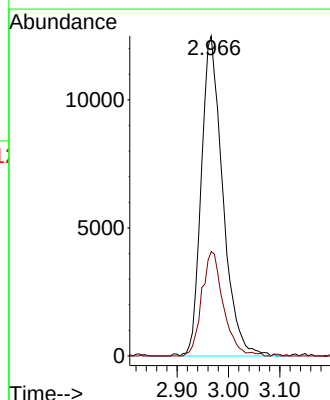
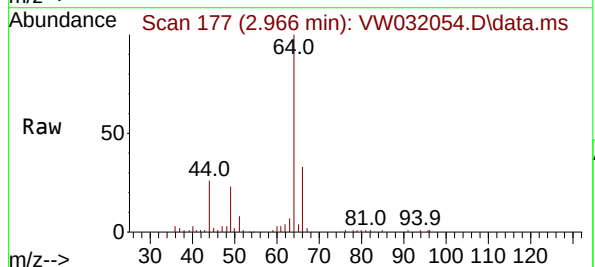
Manual Integrations
APPROVED

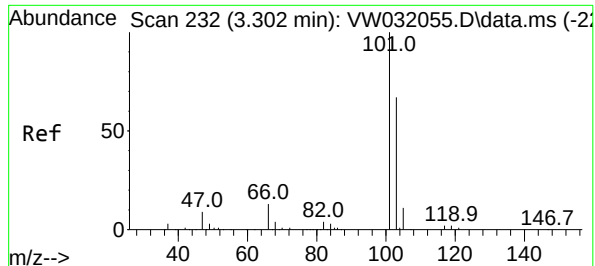
Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025



#6
Chloroethane
Concen: 21.173 ug/l
RT: 2.966 min Scan# 177
Delta R.T. -0.006 min
Lab File: VW032054.D
Acq: 11 Aug 2025 09:47

Tgt Ion: 64 Resp: 36220
Ion Ratio Lower Upper
64 100
66 32.7 26.0 39.0





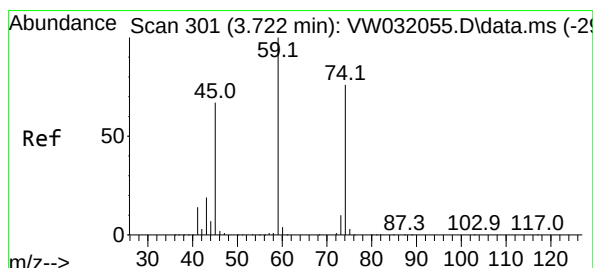
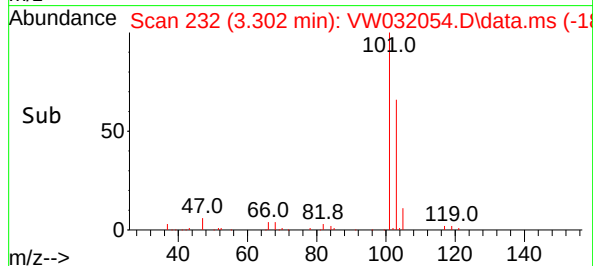
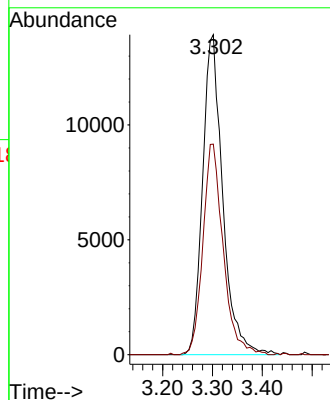
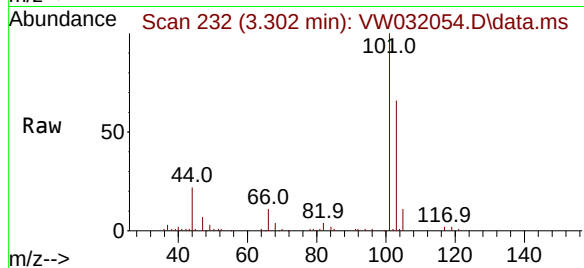
#7
Trichlorofluoromethane
Concen: 18.821 ug/l
RT: 3.302 min Scan# 21
Delta R.T. 0.000 min
Lab File: VW032054.D
Acq: 11 Aug 2025 09:47

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Tgt Ion:101 Resp: 3897
Ion Ratio Lower Upper
101 100
103 65.8 53.4 80.0

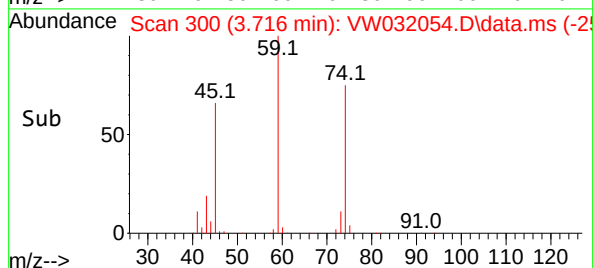
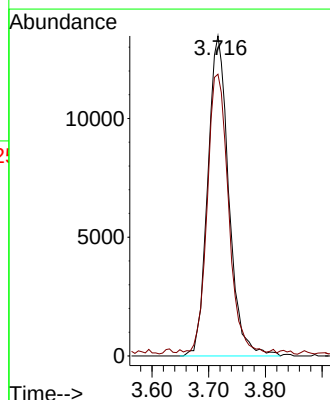
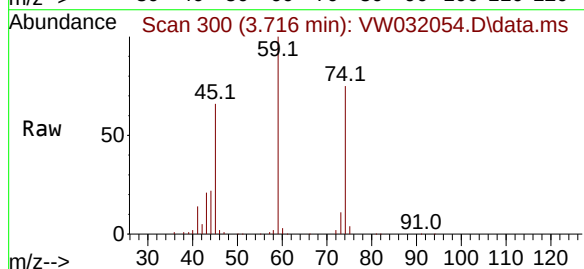
Manual Integrations
APPROVED

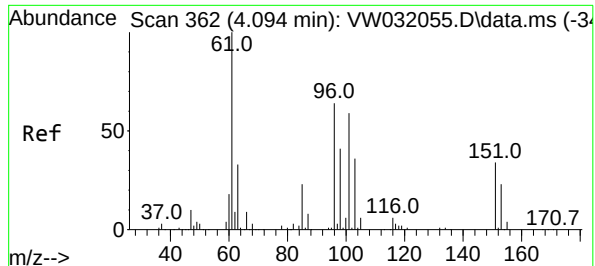
Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025



#8
Diethyl Ether
Concen: 20.489 ug/l
RT: 3.716 min Scan# 300
Delta R.T. -0.006 min
Lab File: VW032054.D
Acq: 11 Aug 2025 09:47

Tgt Ion: 74 Resp: 34764
Ion Ratio Lower Upper
74 100
45 86.6 45.4 136.2





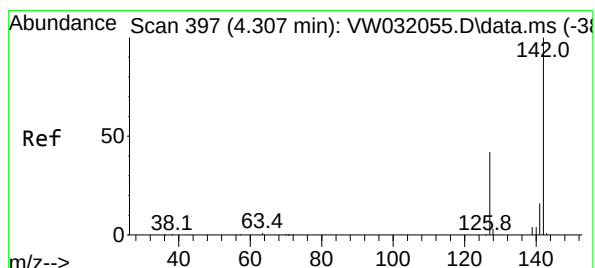
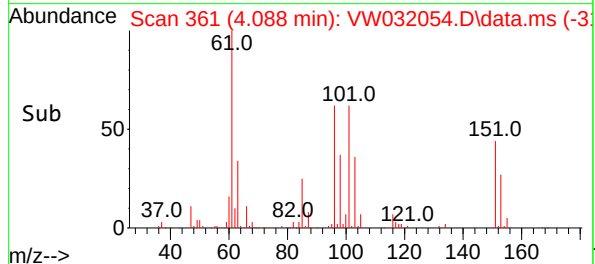
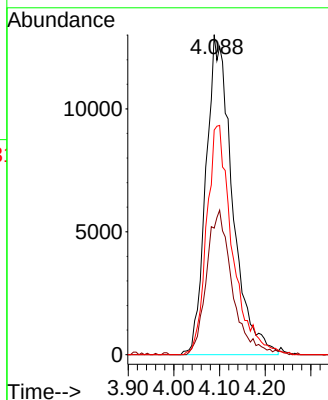
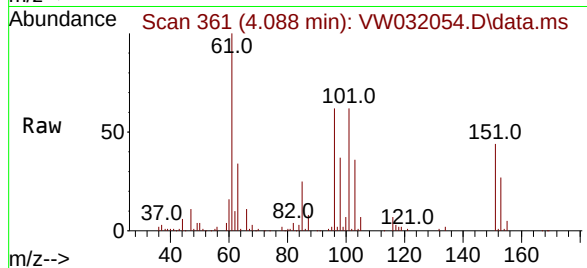
#9
1,1,2-Trichlorotrifluoroethane
Concen: 21.351 ug/l
RT: 4.088 min Scan# 361
Delta R.T. -0.006 min
Lab File: VW032054.D
Acq: 11 Aug 2025 09:47

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Tgt Ion:101 Resp: 5216
Ion Ratio Lower Upper
101 100
85 44.1 34.9 52.3
151 70.0 56.2 84.4

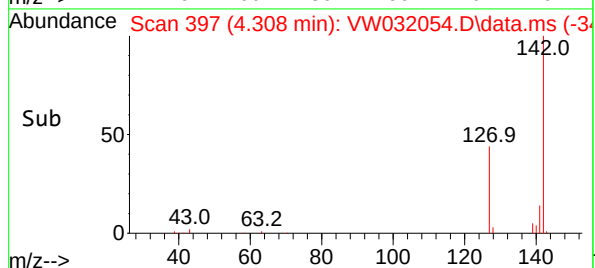
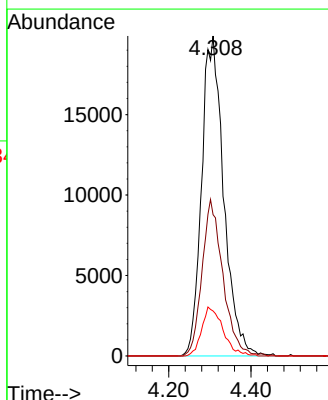
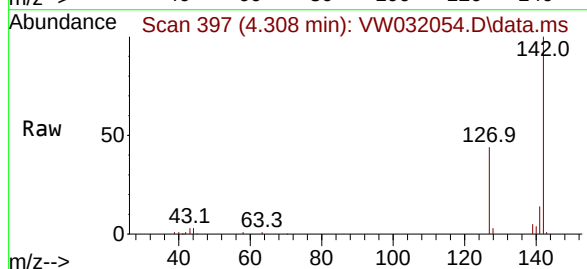
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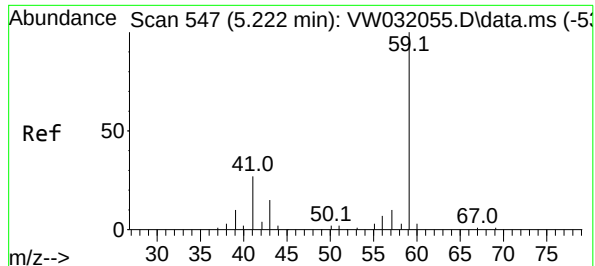
Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025



#10
Methyl Iodide
Concen: 21.419 ug/l
RT: 4.308 min Scan# 397
Delta R.T. 0.000 min
Lab File: VW032054.D
Acq: 11 Aug 2025 09:47

Tgt Ion:142 Resp: 74197
Ion Ratio Lower Upper
142 100
127 46.1 36.6 55.0
141 14.8 12.1 18.1





#11

Tert butyl alcohol

Concen: 89.237 ug/l

RT: 5.216 min Scan# 54

Delta R.T. -0.006 min

Lab File: VW032054.D

Acq: 11 Aug 2025 09:47

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC020

Tgt Ion: 59 Resp: 18539

Ion Ratio Lower Upper

59 100

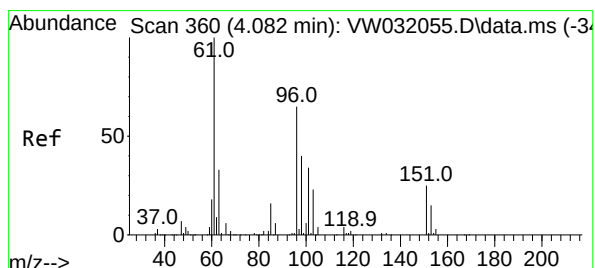
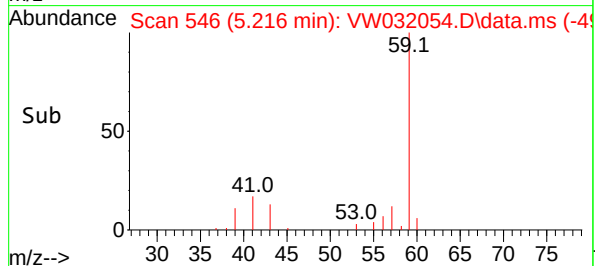
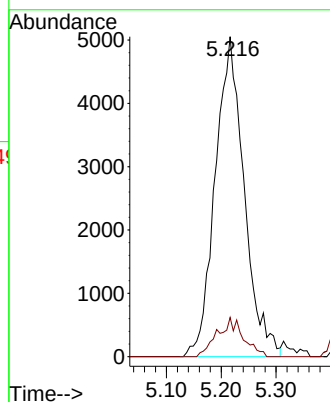
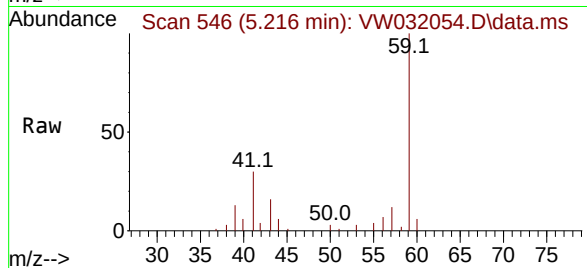
57 10.9 8.7 13.1

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Reviewed By :Mahesh Dadoda 08/12/2025

Supervised By :Semsettin Yesilyurt 08/12/2025



#12

1,1-Dichloroethene

Concen: 21.419 ug/l

RT: 4.076 min Scan# 359

Delta R.T. -0.006 min

Lab File: VW032054.D

Acq: 11 Aug 2025 09:47

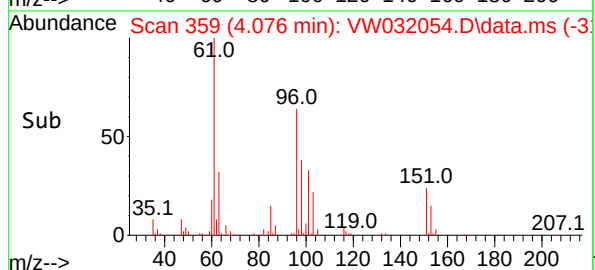
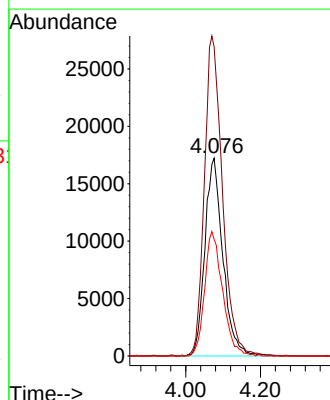
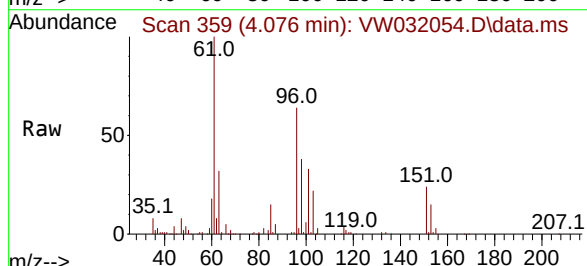
Tgt Ion: 96 Resp: 57624

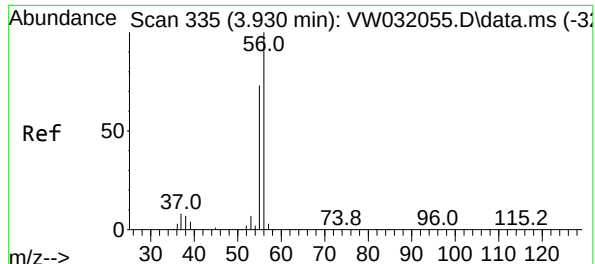
Ion Ratio Lower Upper

96 100

61 156.3 123.4 185.2

98 59.0 49.5 74.3





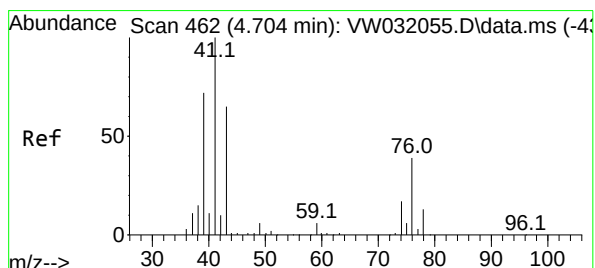
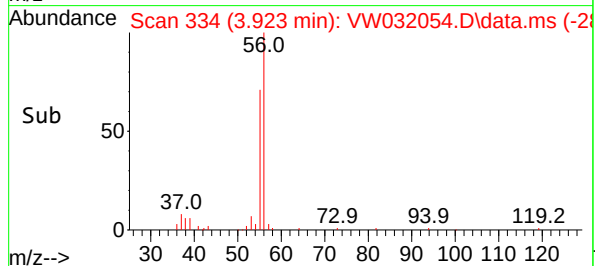
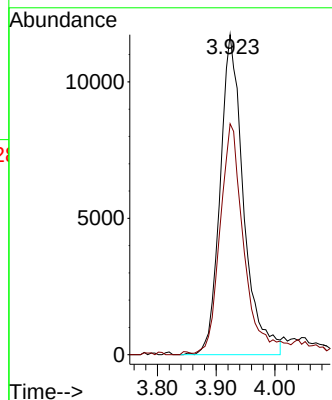
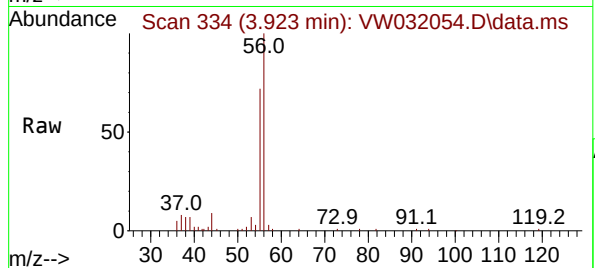
#13
Acrolein
Concen: 98.218 ug/l
RT: 3.923 min Scan# 31
Delta R.T. -0.006 min
Lab File: VW032054.D
Acq: 11 Aug 2025 09:47

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Tgt Ion: 56 Resp: 3251
Ion Ratio Lower Upper
56 100
55 72.7 55.4 83.2

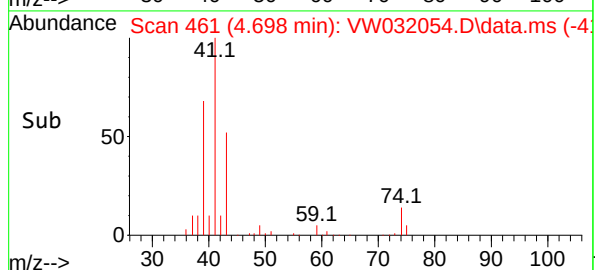
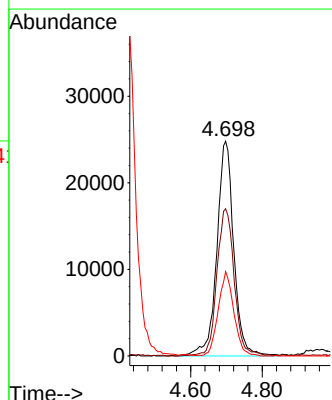
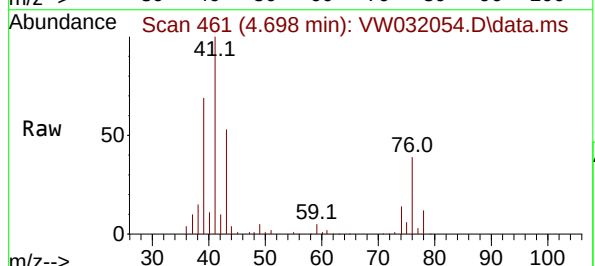
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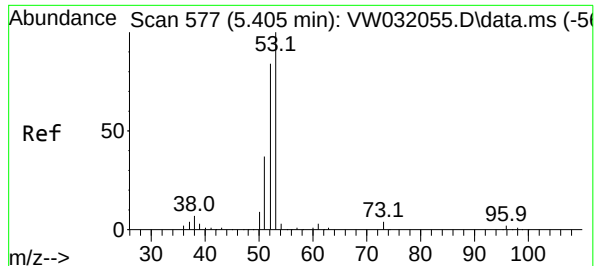
Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025



#14
Allyl chloride
Concen: 20.804 ug/l
RT: 4.698 min Scan# 461
Delta R.T. -0.006 min
Lab File: VW032054.D
Acq: 11 Aug 2025 09:47

Tgt Ion: 41 Resp: 81458
Ion Ratio Lower Upper
41 100
39 69.3 54.5 81.7
76 36.3 29.3 43.9





#15

Acrylonitrile

Concen: 93.190 ug/l

RT: 5.393 min Scan# 51

Delta R.T. -0.012 min

Lab File: VW032054.D

Acq: 11 Aug 2025 09:47

Instrument :

MSVOA_W

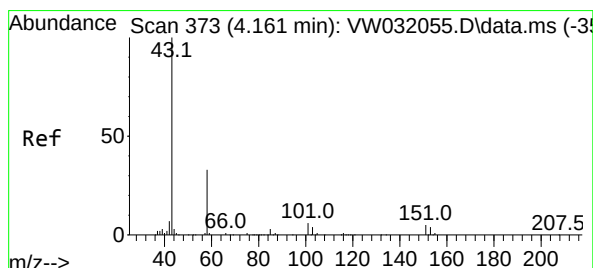
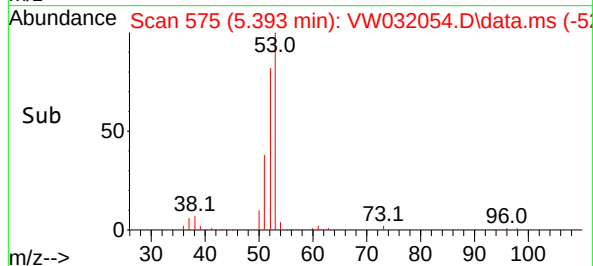
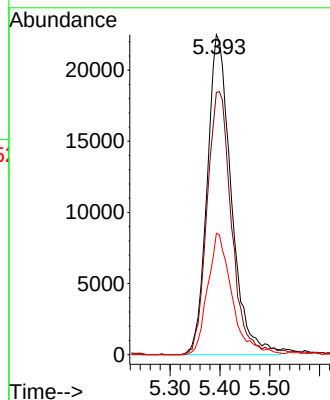
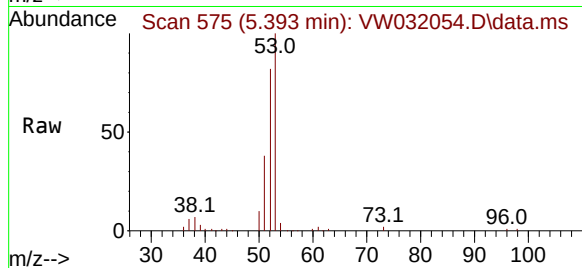
ClientSampleId :

VSTDICC020

Tgt Ion:	53	Resp:	7531
Ion	Ratio	Lower	Upper
53	100		
52	84.2	66.1	99.1
51	38.4	29.2	43.8

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Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025



#16

Acetone

Concen: 90.379 ug/l

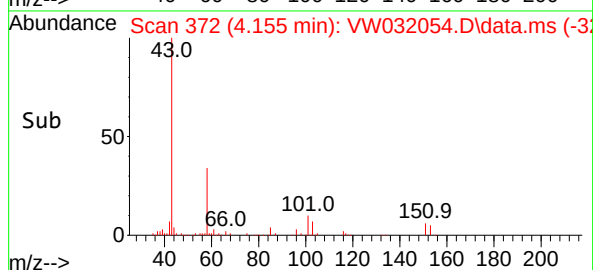
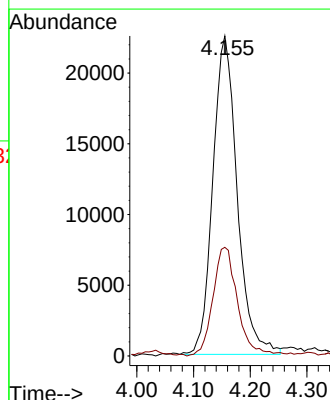
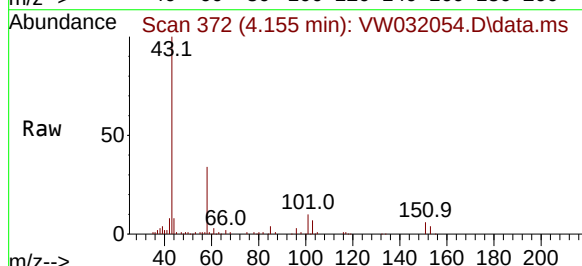
RT: 4.155 min Scan# 372

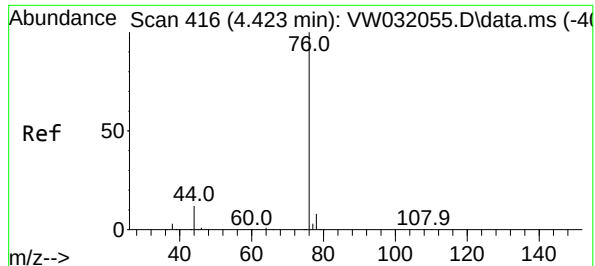
Delta R.T. -0.006 min

Lab File: VW032054.D

Acq: 11 Aug 2025 09:47

Tgt Ion:	43	Resp:	67134
Ion	Ratio	Lower	Upper
43	100		
58	33.6	26.6	39.8





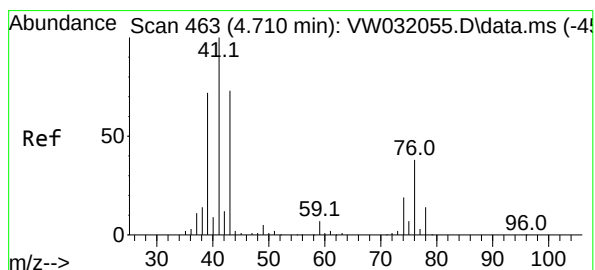
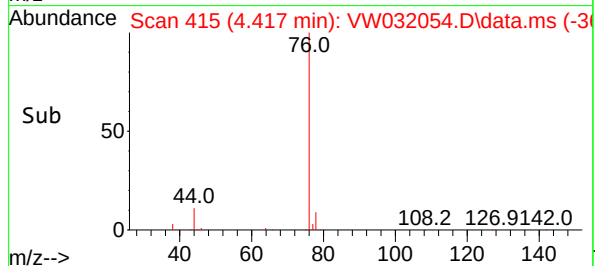
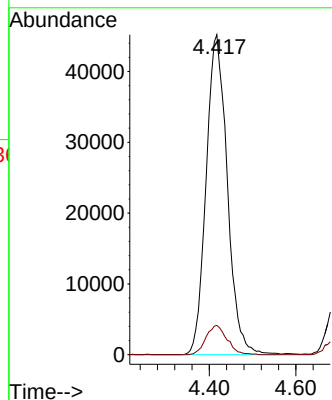
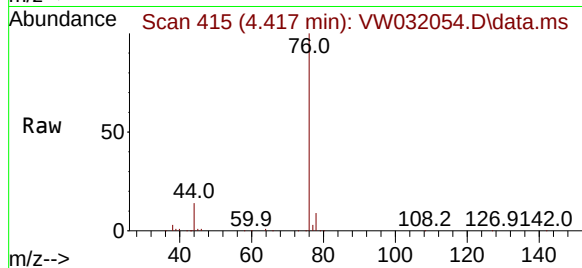
#17
Carbon Disulfide
Concen: 21.222 ug/l
RT: 4.417 min Scan# 415
Delta R.T. -0.006 min
Lab File: VW032054.D
Acq: 11 Aug 2025 09:47

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Tgt Ion: 76 Resp: 15324
Ion Ratio Lower Upper
76 100
78 9.2 6.4 9.6

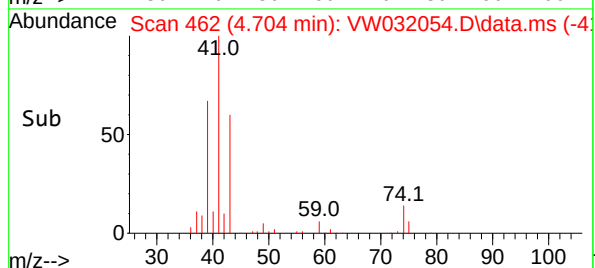
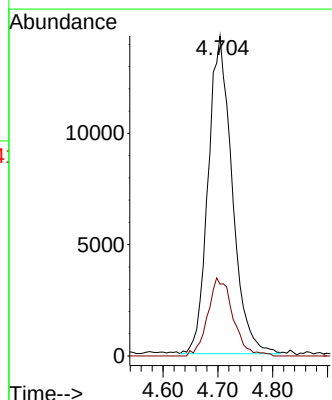
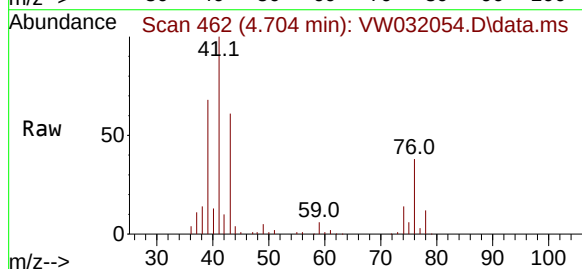
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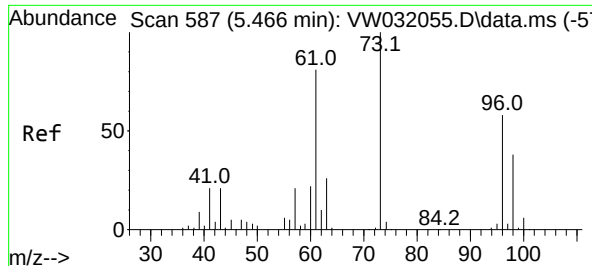
Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025



#18
Methyl Acetate
Concen: 18.522 ug/l
RT: 4.704 min Scan# 462
Delta R.T. -0.006 min
Lab File: VW032054.D
Acq: 11 Aug 2025 09:47

Tgt Ion: 43 Resp: 43536
Ion Ratio Lower Upper
43 100
74 25.7 20.6 31.0





#19

Methyl tert-butyl Ether

Concen: 20.306 ug/l

RT: 5.466 min Scan# 501

Delta R.T. 0.000 min

Lab File: VW032054.D

Acq: 11 Aug 2025 09:47

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC020

Tgt Ion: 73 Resp: 9625

Ion Ratio Lower Upper

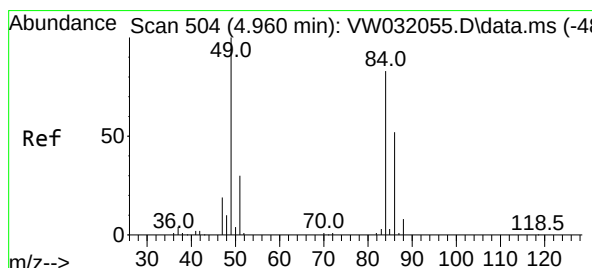
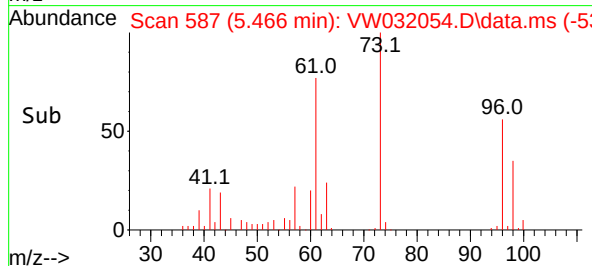
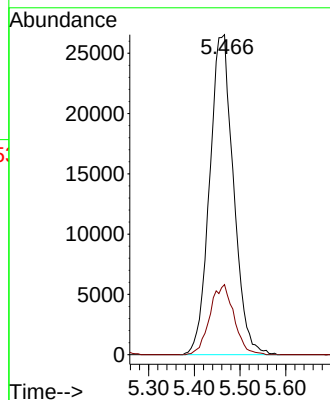
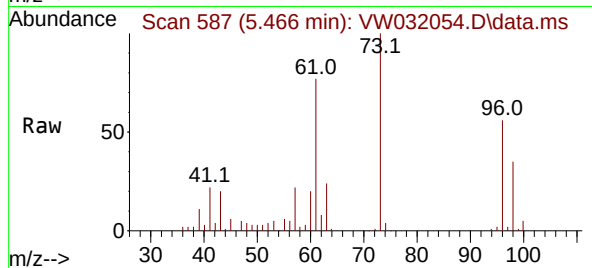
73 100

57 21.9 17.2 25.8

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Reviewed By :Mahesh Dadoda 08/12/2025
 Supervised By :Semsettin Yesilyurt 08/12/2025



#20

Methylene Chloride

Concen: 21.706 ug/l

RT: 4.948 min Scan# 502

Delta R.T. -0.012 min

Lab File: VW032054.D

Acq: 11 Aug 2025 09:47

Tgt Ion: 84 Resp: 74547

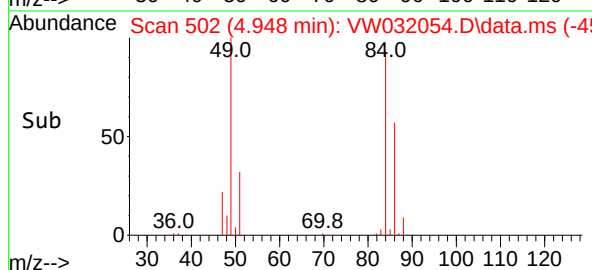
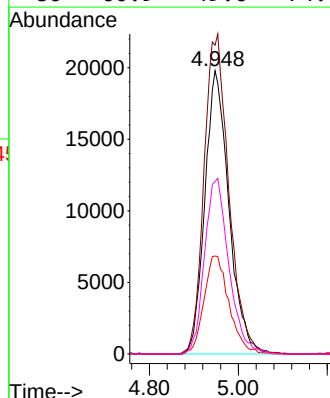
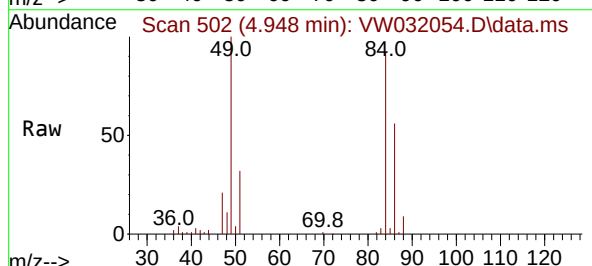
Ion Ratio Lower Upper

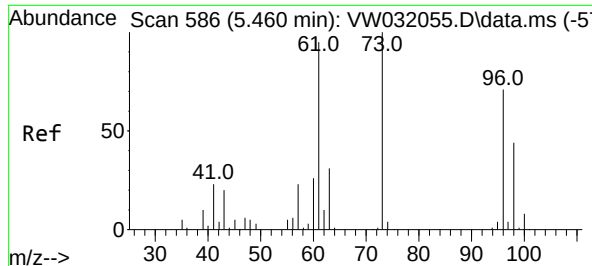
84 100

49 109.1 95.9 143.9

51 34.6 28.6 43.0

86 60.9 49.6 74.4





#21

trans-1,2-Dichloroethene

Concen: 20.917 ug/l

RT: 5.454 min Scan# 586

Delta R.T. -0.006 min

Lab File: VW032054.D

Acq: 11 Aug 2025 09:47

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tgt Ion: 96 Resp: 5971

Ion Ratio Lower Upper

96 100

61 131.0 106.8 160.2

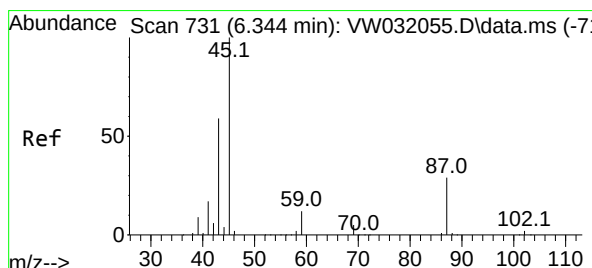
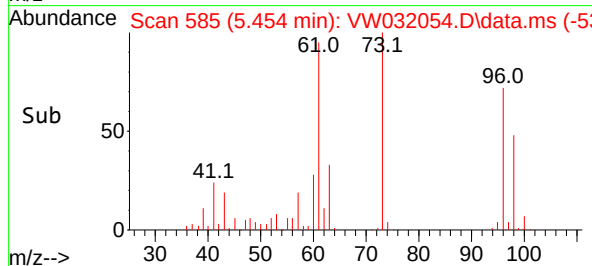
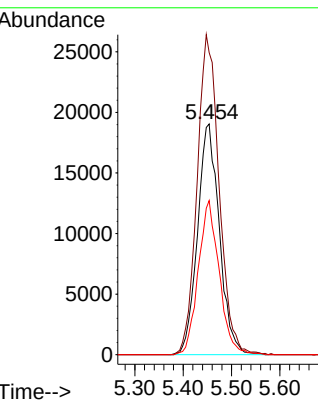
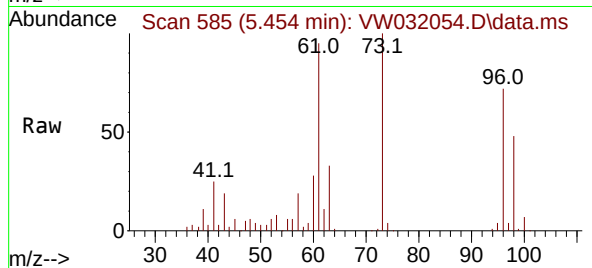
98 66.8 49.6 74.4

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Reviewed By :Mahesh Dadoda 08/12/2025

Supervised By :Semsettin Yesilyurt 08/12/2025



#22

Diisopropyl ether

Concen: 20.846 ug/l

RT: 6.338 min Scan# 730

Delta R.T. -0.006 min

Lab File: VW032054.D

Acq: 11 Aug 2025 09:47

Tgt Ion: 45 Resp: 172071

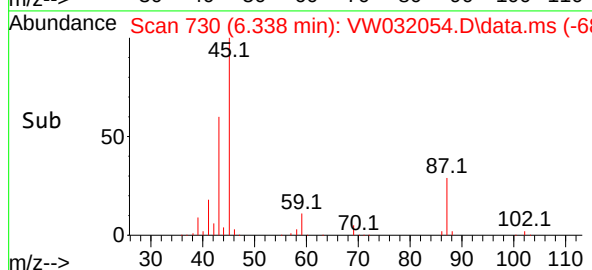
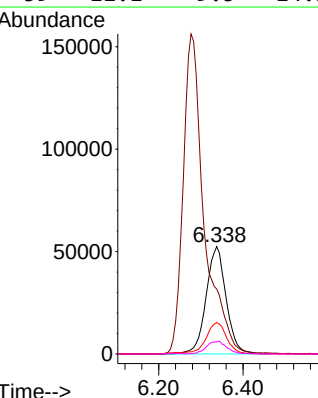
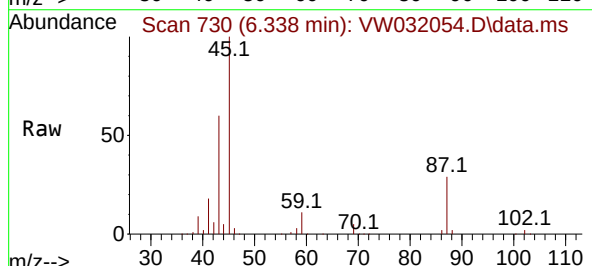
Ion Ratio Lower Upper

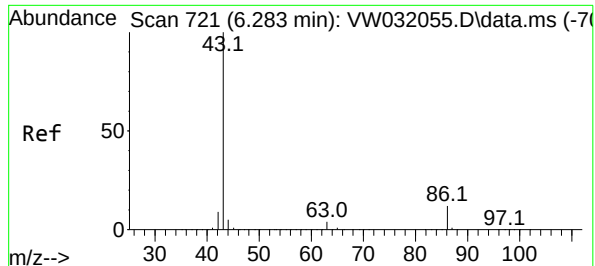
45 100

43 59.6 47.0 70.4

87 29.2 23.8 35.8

59 11.1 9.5 14.3





#23

Vinyl Acetate

Concen: 99.617 ug/l

RT: 6.277 min Scan# 714

Delta R.T. -0.006 min

Lab File: VW032054.D

Acq: 11 Aug 2025 09:47

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tgt Ion: 43 Resp: 53986

Ion Ratio Lower Upper

43

100

86

12.0

9.4

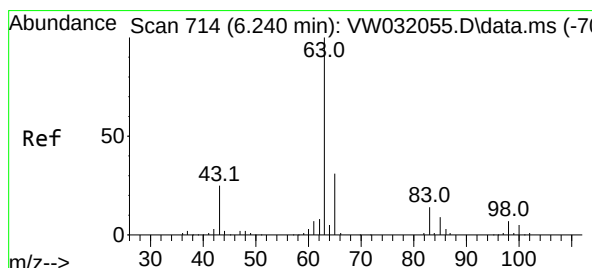
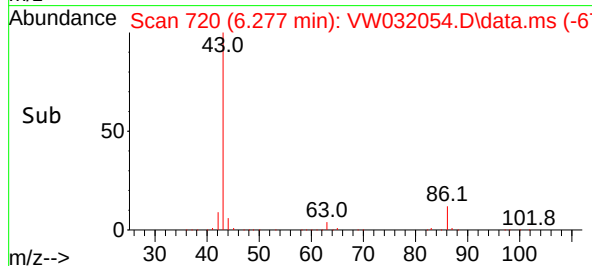
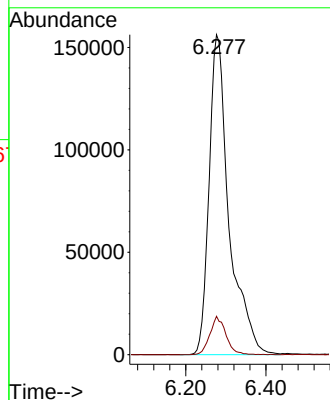
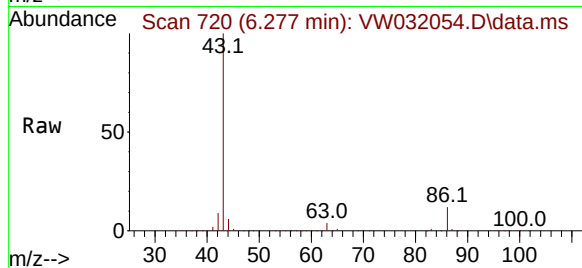
14.0

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Reviewed By :Mahesh Dadoda 08/12/2025

Supervised By :Semsettin Yesilyurt 08/12/2025



#24

1,1-Dichloroethane

Concen: 21.016 ug/l

RT: 6.240 min Scan# 714

Delta R.T. 0.000 min

Lab File: VW032054.D

Acq: 11 Aug 2025 09:47

Tgt Ion: 63 Resp: 110835

Ion Ratio Lower Upper

63

100

98

7.8

3.7

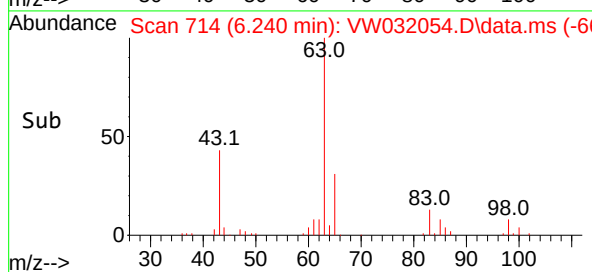
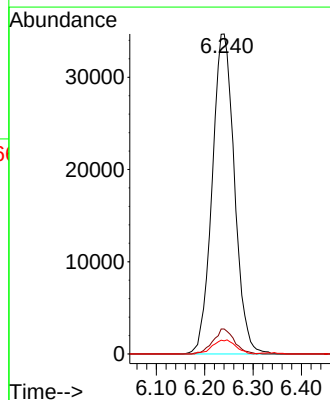
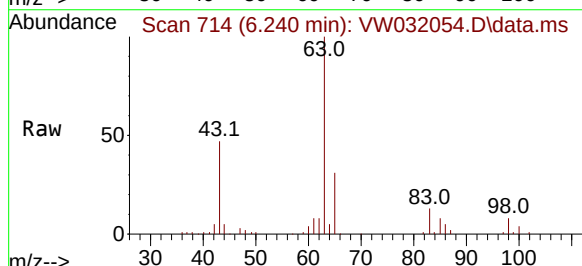
11.1

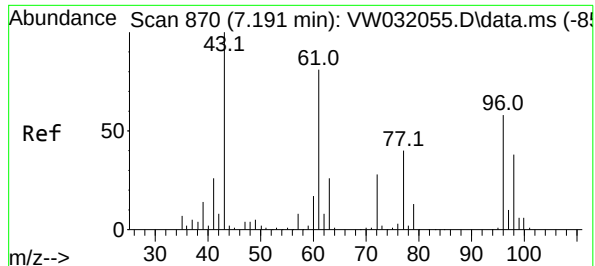
100

4.1

2.5

7.4





#25

2-Butanone

Concen: 91.114 ug/l

RT: 7.191 min Scan# 81

Delta R.T. 0.000 min

Lab File: VW032054.D

Acq: 11 Aug 2025 09:47

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tgt Ion: 43 Resp: 9619

Ion Ratio Lower Upper

43 100

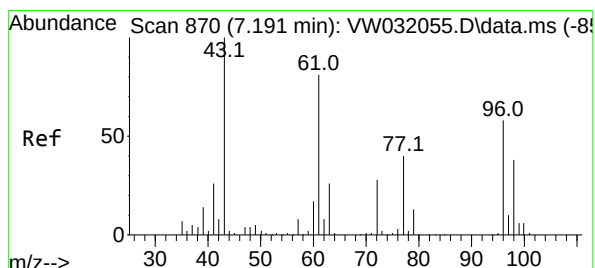
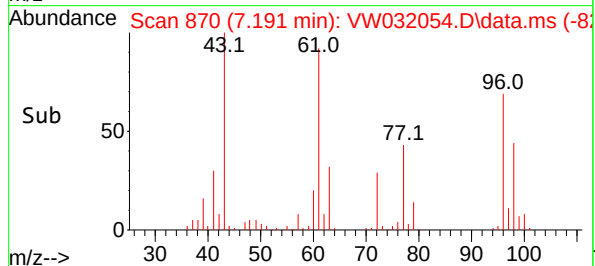
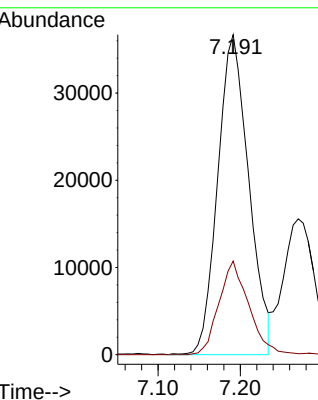
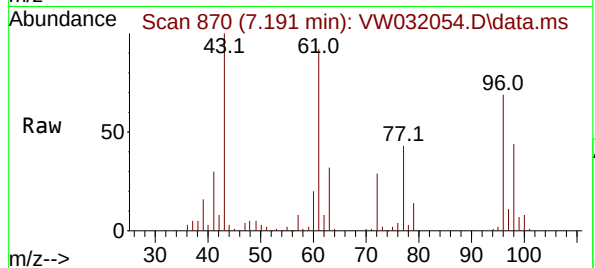
72 29.2 22.3 33.5

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Reviewed By :Mahesh Dadoda 08/12/2025

Supervised By :Semsettin Yesilyurt 08/12/2025



#26

2,2-Dichloropropane

Concen: 20.327 ug/l

RT: 7.179 min Scan# 868

Delta R.T. -0.012 min

Lab File: VW032054.D

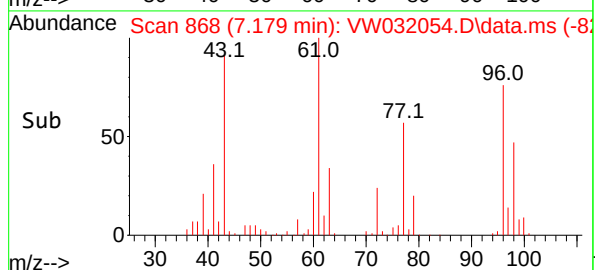
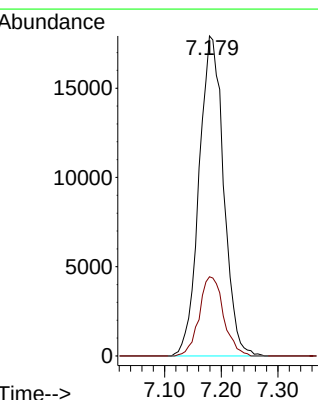
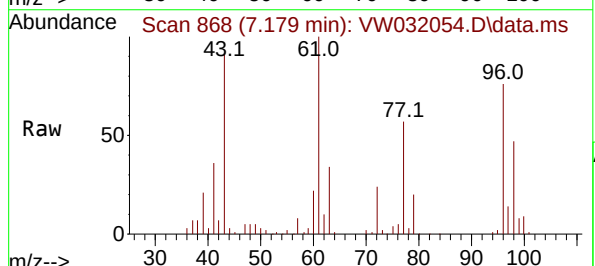
Acq: 11 Aug 2025 09:47

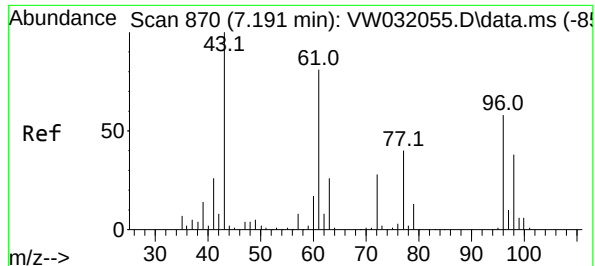
Tgt Ion: 77 Resp: 53780

Ion Ratio Lower Upper

77 100

97 24.5 12.3 36.9





#27

cis-1,2-Dichloroethene

Concen: 20.540 ug/l

RT: 7.191 min Scan# 870

Delta R.T. 0.000 min

Lab File: VW032054.D

Acq: 11 Aug 2025 09:47

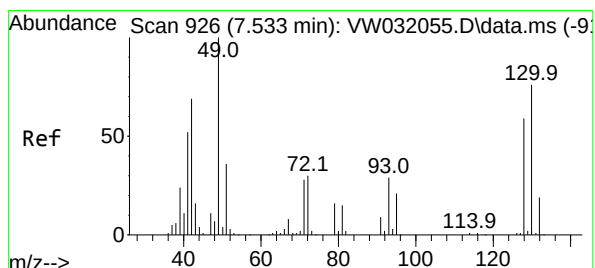
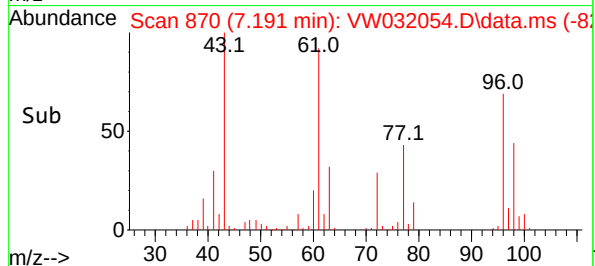
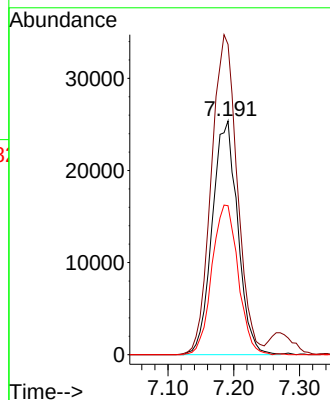
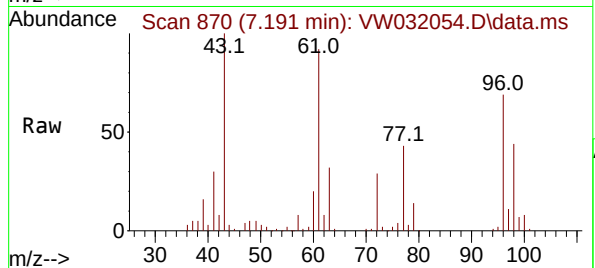
Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tgt Ion: 96	Resp: 6854
Ion Ratio	Lower Upper
96 100	
61 139.8	0.0 281.2
98 65.7	0.0 130.8

Manual Integrations
APPROVEDReviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025

#28

Bromochloromethane

Concen: 20.298 ug/l

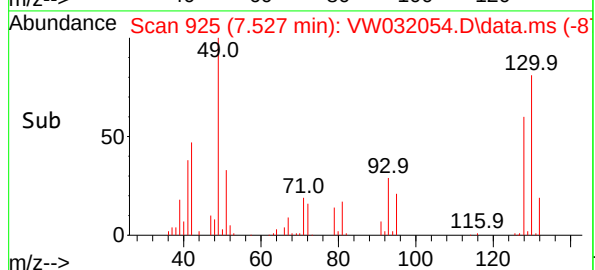
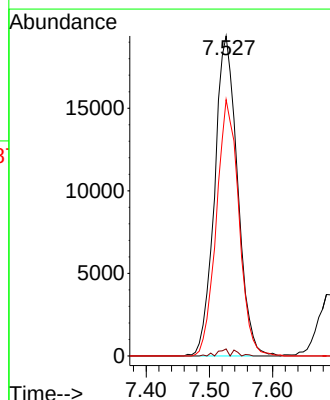
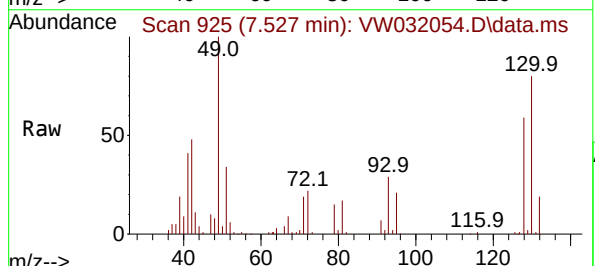
RT: 7.527 min Scan# 925

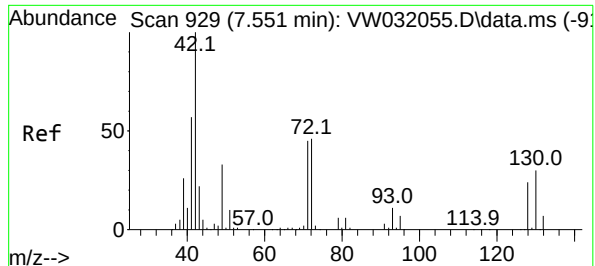
Delta R.T. -0.006 min

Lab File: VW032054.D

Acq: 11 Aug 2025 09:47

Tgt Ion: 49	Resp: 48715
Ion Ratio	Lower Upper
49 100	
129 1.0	0.0 4.2
130 78.4	61.9 92.9





#29

Tetrahydrofuran

Concen: 92.379 ug/l

RT: 7.551 min Scan# 91

Delta R.T. 0.000 min

Lab File: VW032054.D

Acq: 11 Aug 2025 09:47

Instrument :

MSVOA_W

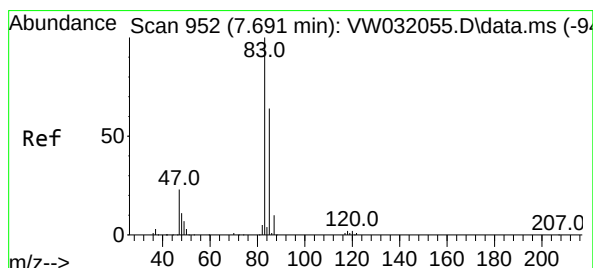
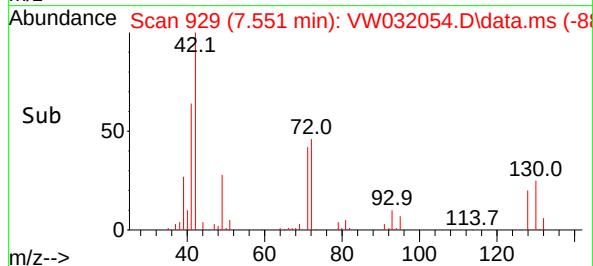
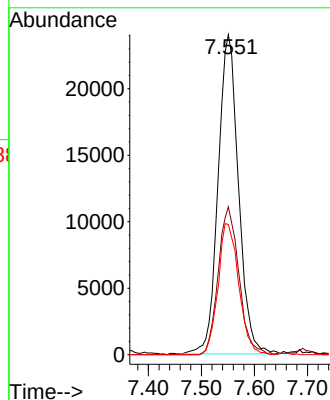
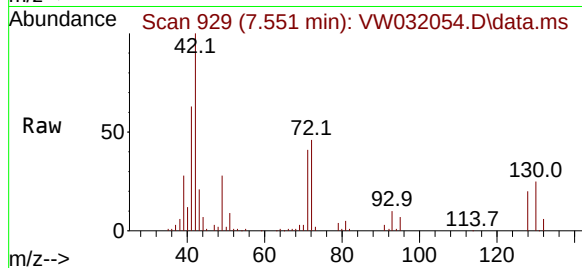
ClientSampleId :

VSTDICC020

Tgt Ion:	42	Resp:	6431
Ion	Ratio	Lower	Upper
42	100		
72	46.7	36.6	55.0
71	41.5	34.7	52.1

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025



#30

Chloroform

Concen: 21.011 ug/l

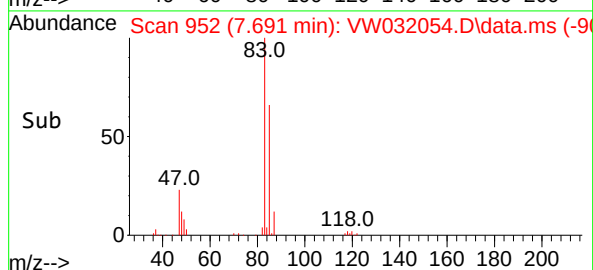
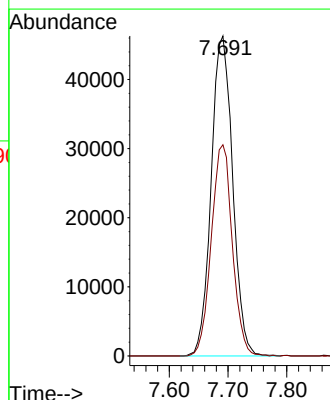
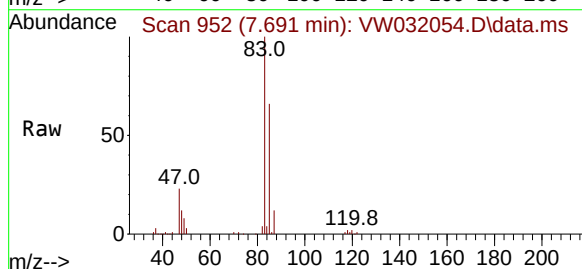
RT: 7.691 min Scan# 952

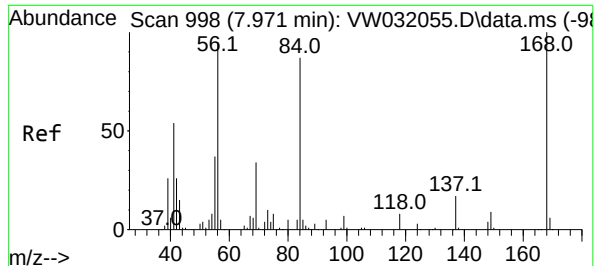
Delta R.T. 0.000 min

Lab File: VW032054.D

Acq: 11 Aug 2025 09:47

Tgt Ion:	83	Resp:	117474
Ion	Ratio	Lower	Upper
83	100		
85	66.0	51.0	76.4





#31

Cyclohexane

Concen: 20.833 ug/l

RT: 7.965 min Scan# 998

Delta R.T. -0.006 min

Lab File: VW032054.D

Acq: 11 Aug 2025 09:47

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC020

Tgt Ion: 56 Resp: 9525

Ion Ratio Lower Upper

56 100

69 38.2 28.6 42.8

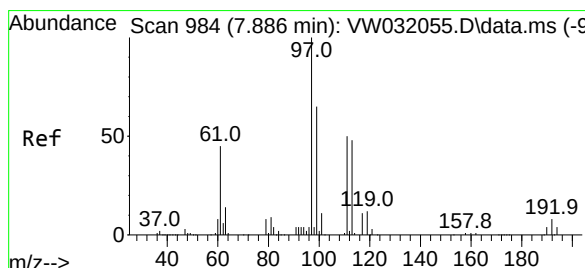
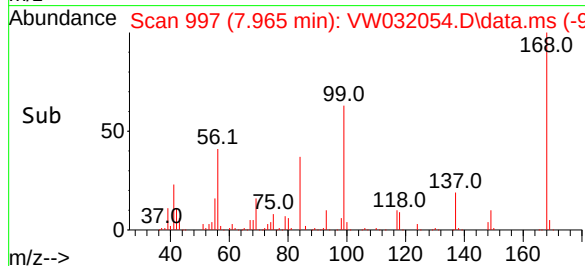
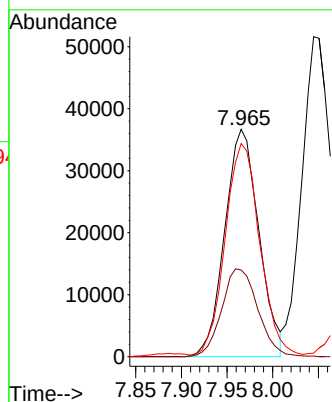
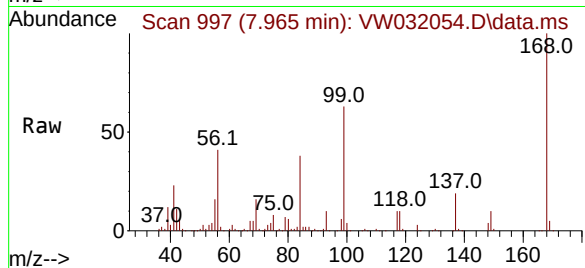
84 92.4 73.0 109.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025

Supervised By :Semsettin Yesilyurt 08/12/2025



#32

1,1,1-Trichloroethane

Concen: 21.078 ug/l

RT: 7.880 min Scan# 983

Delta R.T. -0.006 min

Lab File: VW032054.D

Acq: 11 Aug 2025 09:47

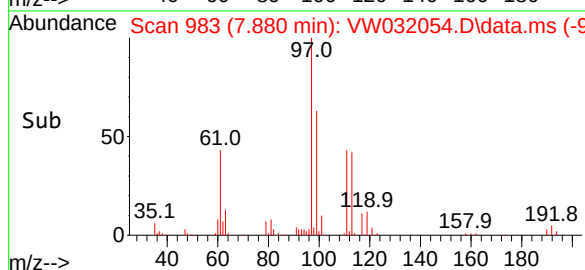
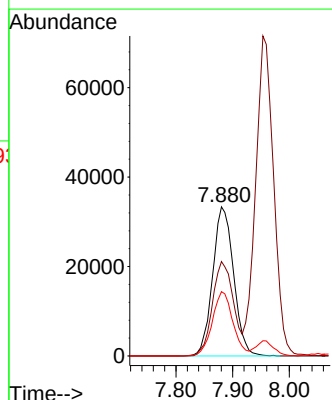
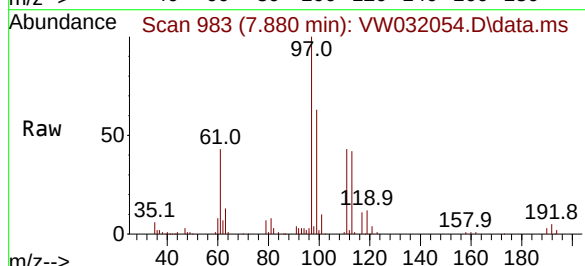
Tgt Ion: 97 Resp: 85600

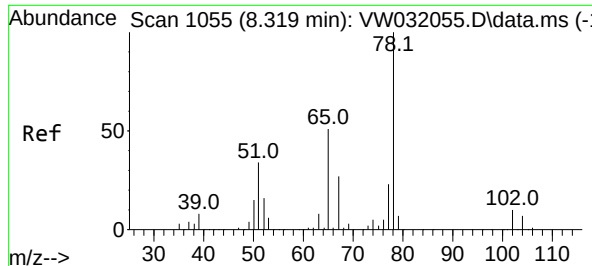
Ion Ratio Lower Upper

97 100

99 63.5 51.8 77.8

61 42.4 35.9 53.9





#33

1,2-Dichloroethane-d4

Concen: 19.904 ug/l

RT: 8.313 min Scan# 1055

Delta R.T. -0.006 min

Lab File: VW032054.D

Acq: 11 Aug 2025 09:47

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC020

Tgt Ion: 65 Resp: 6385

Ion Ratio Lower Upper

65 100

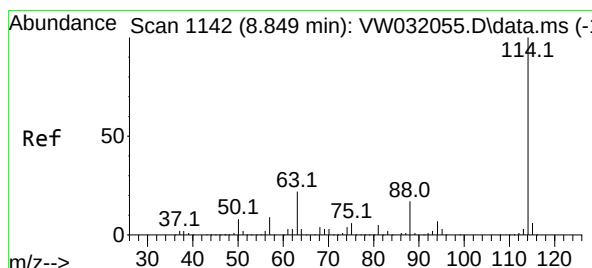
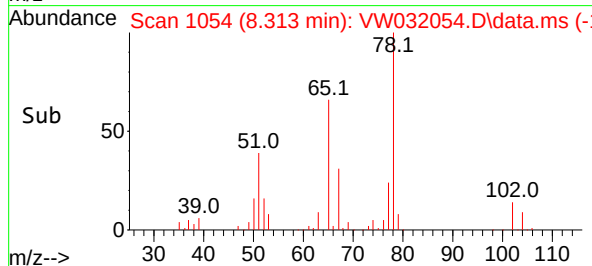
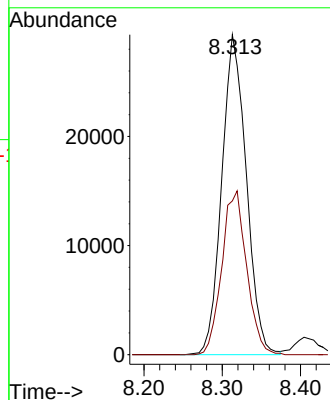
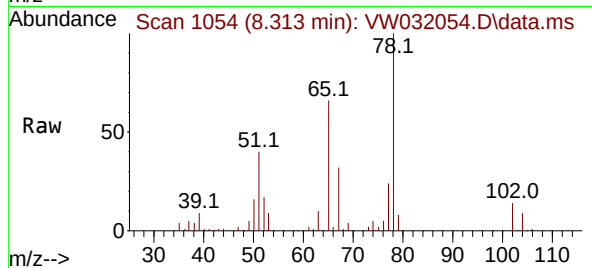
67 51.8 0.0 102.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025

Supervised By :Semsettin Yesilyurt 08/12/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.849 min Scan# 1142

Delta R.T. 0.000 min

Lab File: VW032054.D

Acq: 11 Aug 2025 09:47

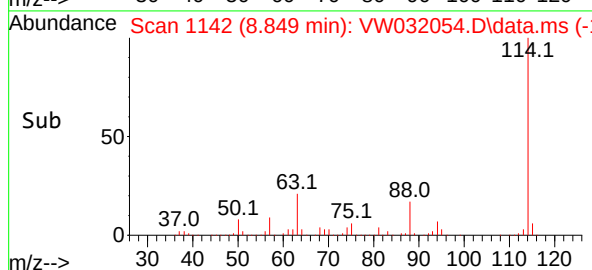
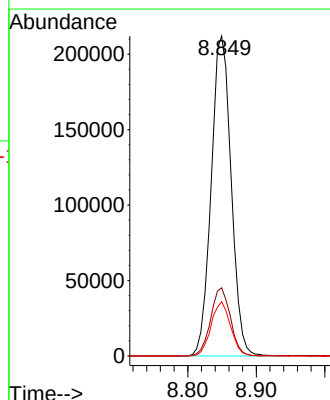
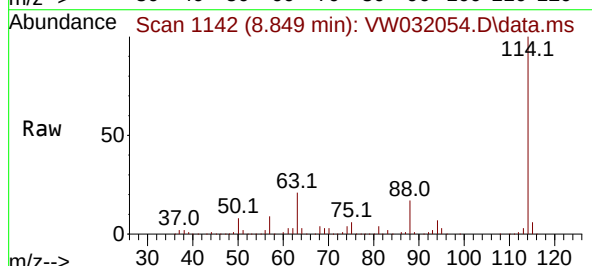
Tgt Ion:114 Resp: 428395

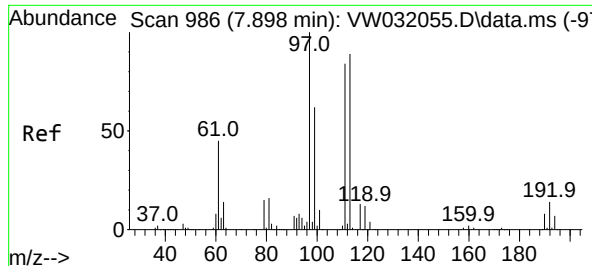
Ion Ratio Lower Upper

114 100

63 21.3 0.0 43.0

88 16.9 0.0 33.8





#35

Dibromofluoromethane

Concen: 20.158 ug/l

RT: 7.898 min Scan# 9

Delta R.T. 0.000 min

Lab File: VW032054.D

Acq: 11 Aug 2025 09:47

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC020

Tgt Ion:113 Resp: 5578

Ion Ratio Lower Upper

113 100

111 101.5 80.1 120.1

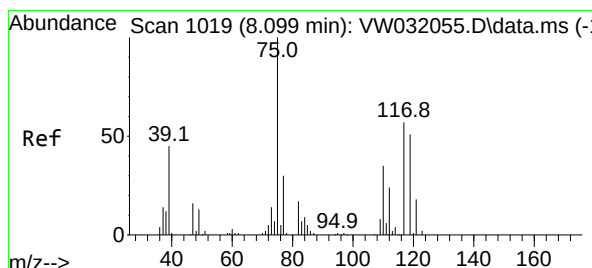
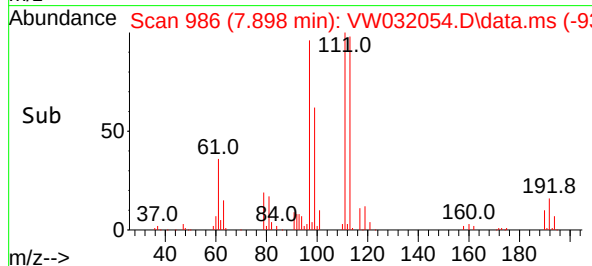
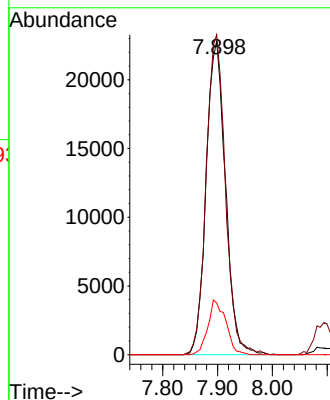
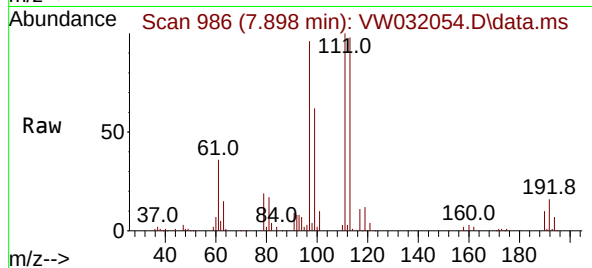
192 16.3 13.1 19.7

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025

Supervised By :Semsettin Yesilyurt 08/12/2025



#36

1,1-Dichloropropene

Concen: 20.712 ug/l

RT: 8.087 min Scan# 1017

Delta R.T. -0.012 min

Lab File: VW032054.D

Acq: 11 Aug 2025 09:47

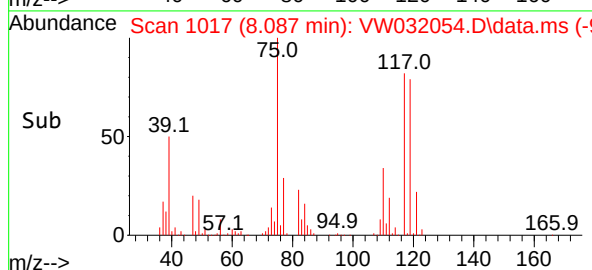
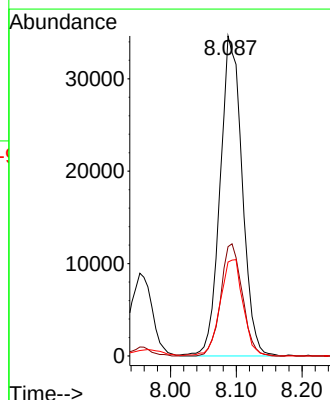
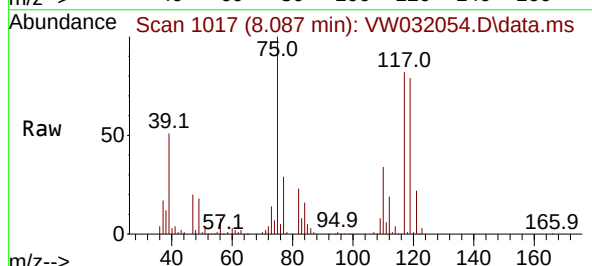
Tgt Ion: 75 Resp: 80811

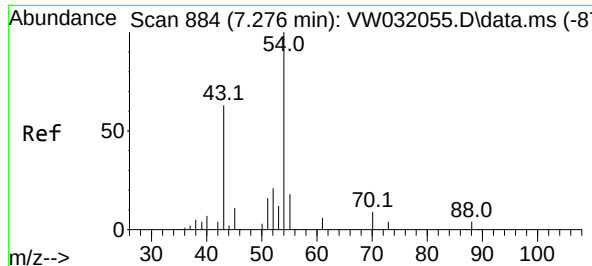
Ion Ratio Lower Upper

75 100

110 34.4 17.4 52.2

77 31.4 24.7 37.1





#37

Ethyl Acetate

Concen: 17.945 ug/l

RT: 7.270 min Scan# 884

Delta R.T. -0.006 min

Lab File: VW032054.D

Acq: 11 Aug 2025 09:47

Instrument :

MSVOA_W

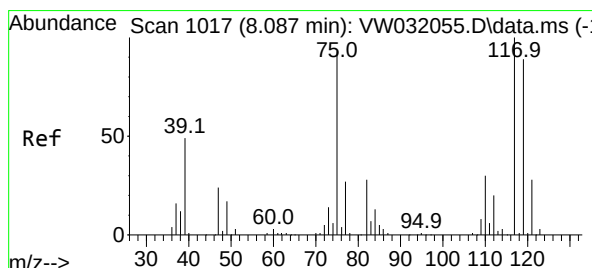
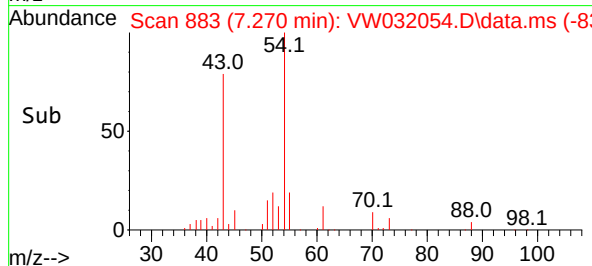
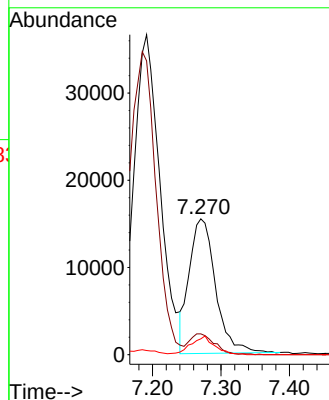
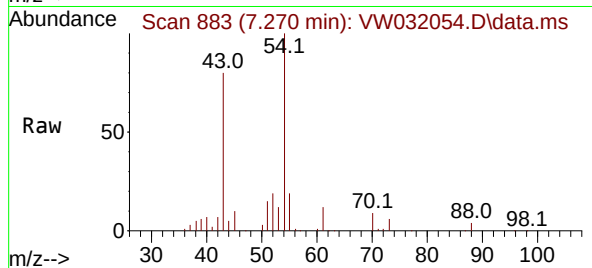
ClientSampleId :

VSTDIC020

Tgt Ion:	43	Resp:	4123
Ion	Ratio	Lower	Upper
43	100		
61	13.7	11.8	17.6
70	12.3	9.4	14.0

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025



#38

Carbon Tetrachloride

Concen: 20.527 ug/l

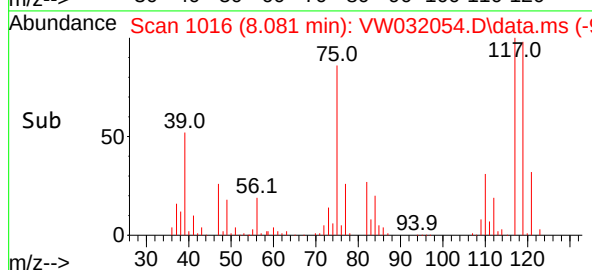
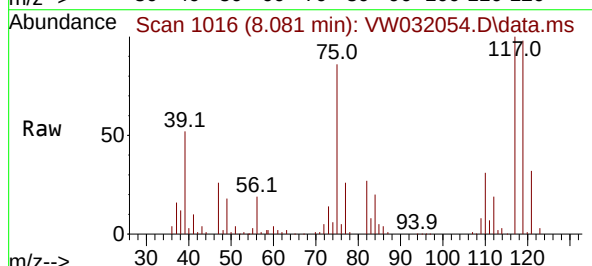
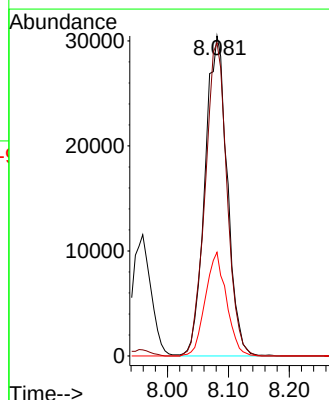
RT: 8.081 min Scan# 1016

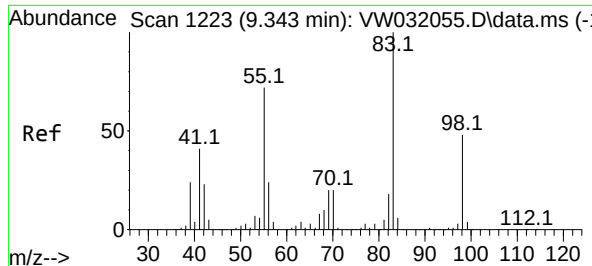
Delta R.T. -0.006 min

Lab File: VW032054.D

Acq: 11 Aug 2025 09:47

Tgt Ion:	117	Resp:	77289
Ion	Ratio	Lower	Upper
117	100		
119	97.8	71.4	107.2
121	32.4	22.3	33.5





#39

Methylcyclohexane

Concen: 20.484 ug/l

RT: 9.337 min Scan# 11

Delta R.T. -0.006 min

Lab File: VW032054.D

Acq: 11 Aug 2025 09:47

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC020

Tgt Ion: 83 Resp: 9741

Ion Ratio Lower Upper

83 100

55 77.4 57.9 86.9

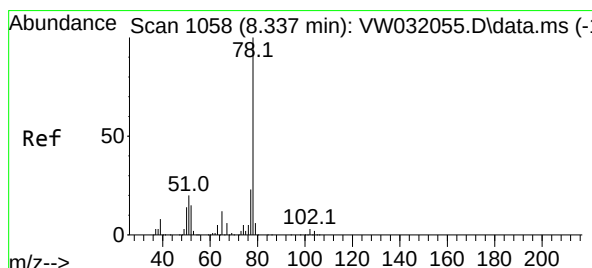
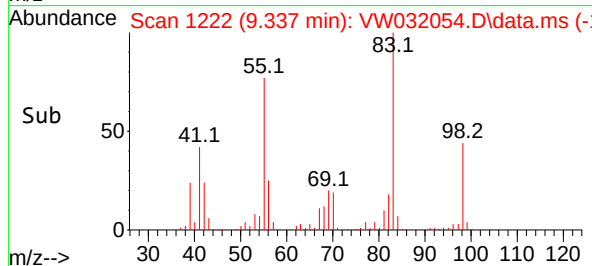
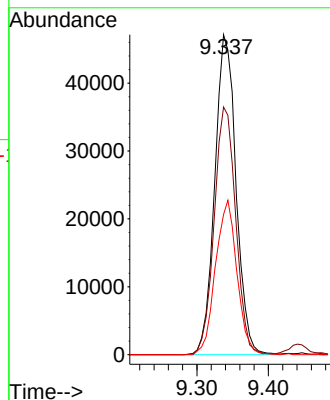
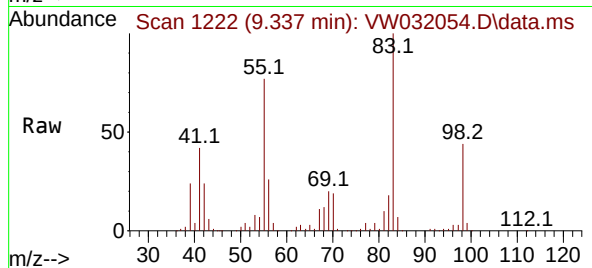
98 43.8 38.3 57.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025

Supervised By :Semsettin Yesilyurt 08/12/2025



#40

Benzene

Concen: 20.333 ug/l

RT: 8.331 min Scan# 1057

Delta R.T. -0.006 min

Lab File: VW032054.D

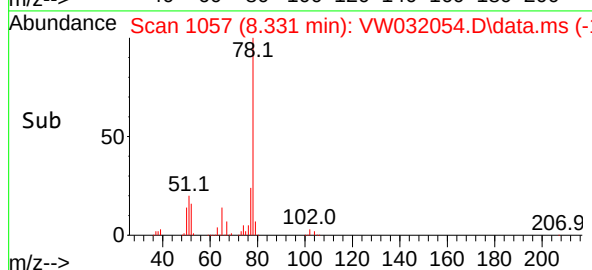
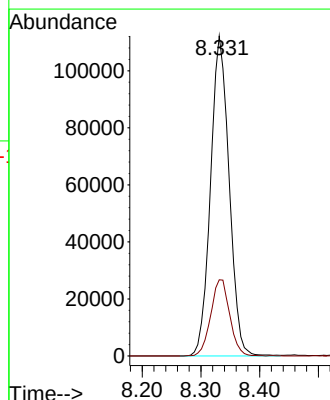
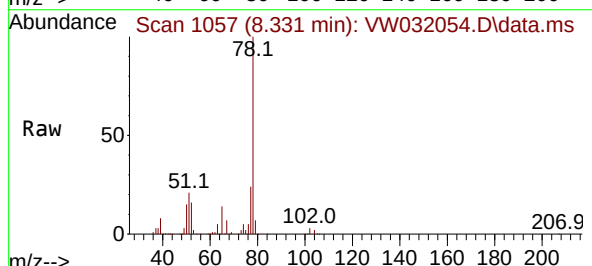
Acq: 11 Aug 2025 09:47

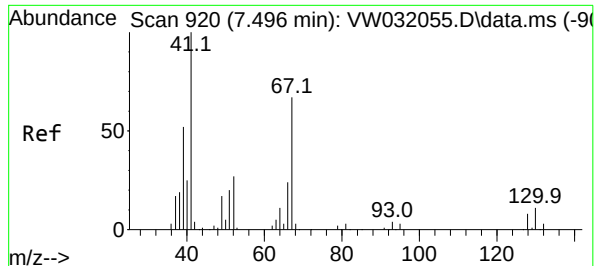
Tgt Ion: 78 Resp: 246590

Ion Ratio Lower Upper

78 100

77 23.8 18.4 27.6





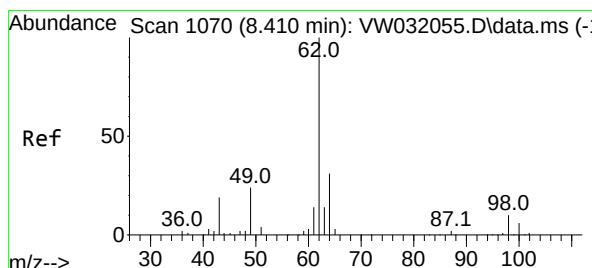
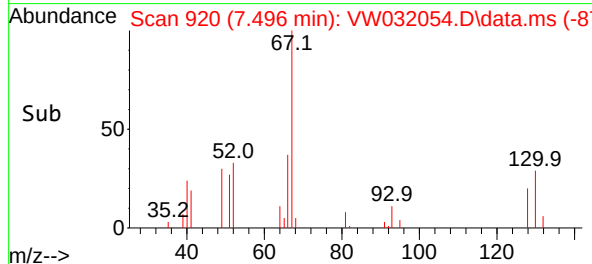
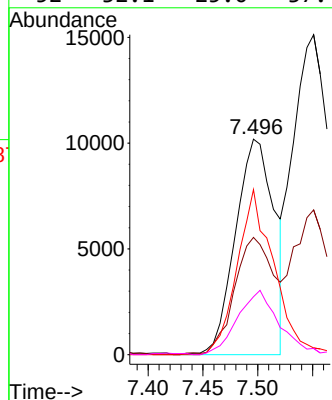
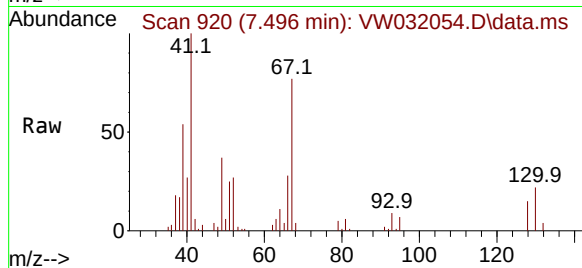
#41
Methacrylonitrile
Concen: 19.242 ug/l
RT: 7.496 min Scan# 91
Delta R.T. 0.000 min
Lab File: VW032054.D
Acq: 11 Aug 2025 09:47

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Tgt Ion:	41	Resp:	2507
Ion	Ratio	Lower	Upper
41	100		
39	55.4	42.6	63.8
67	73.2	61.0	91.4
52	32.1	25.0	37.4

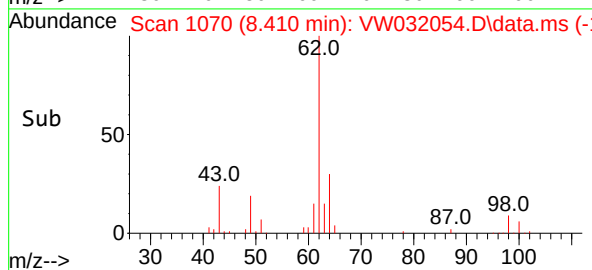
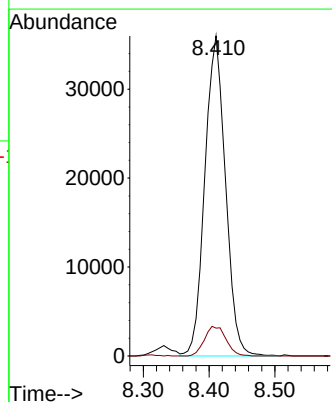
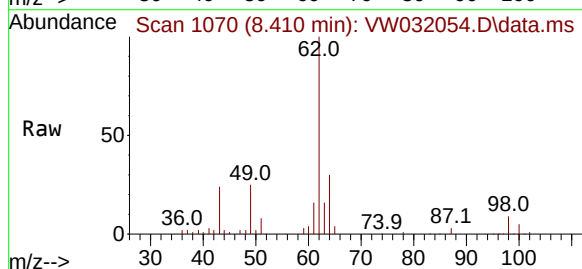
Manual Integrations
APPROVED

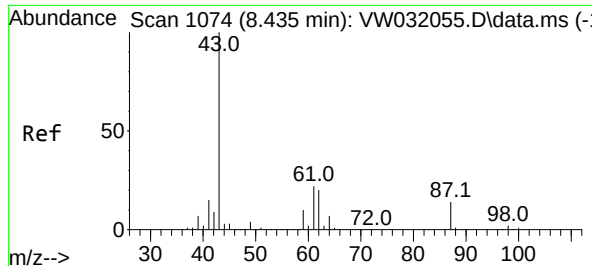
Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025



#42
1,2-Dichloroethane
Concen: 20.239 ug/l
RT: 8.410 min Scan# 1070
Delta R.T. 0.000 min
Lab File: VW032054.D
Acq: 11 Aug 2025 09:47

Tgt Ion:	62	Resp:	78543
Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	19.8





#43

Isopropyl Acetate

Concen: 18.660 ug/l

RT: 8.435 min Scan# 1074

Delta R.T. 0.000 min

Lab File: VW032054.D

Acq: 11 Aug 2025 09:47

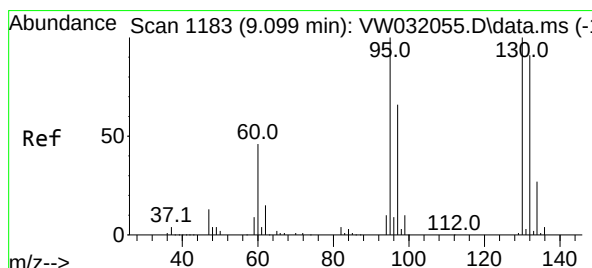
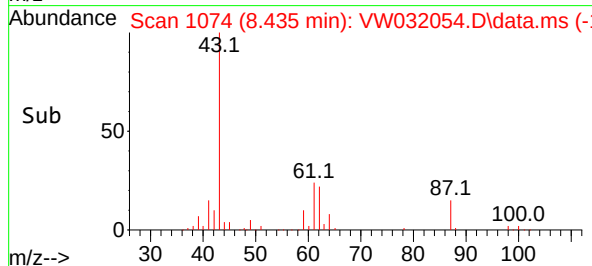
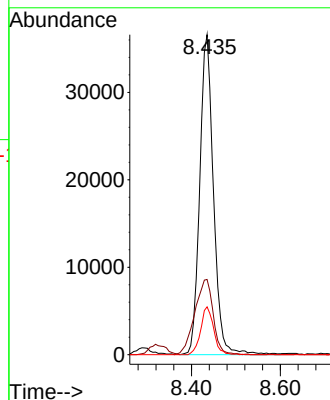
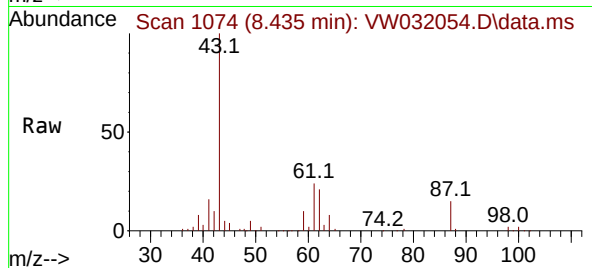
Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tgt Ion: 43	Resp: 7888
Ion Ratio	Lower Upper
43	100
61	31.3 23.8 35.8
87	14.1 11.7 17.5

Manual Integrations
APPROVEDReviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025

#44

Trichloroethene

Concen: 20.302 ug/l

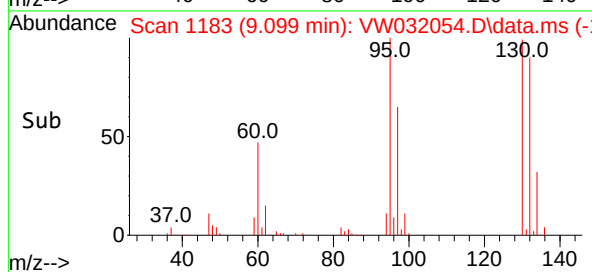
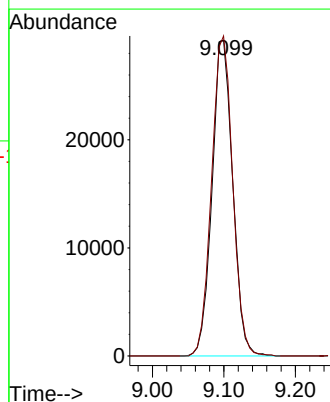
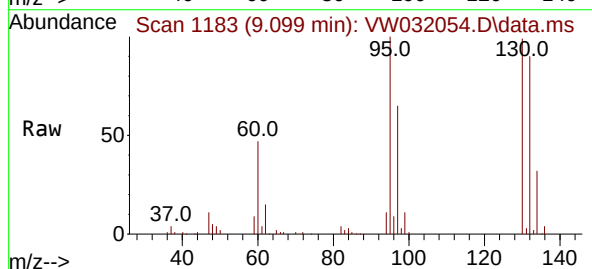
RT: 9.099 min Scan# 1183

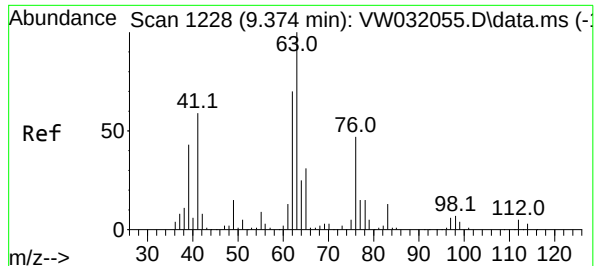
Delta R.T. 0.000 min

Lab File: VW032054.D

Acq: 11 Aug 2025 09:47

Tgt Ion:130	Resp: 58636
Ion Ratio	Lower Upper
130	100
95	101.3 0.0 200.6





#45

1,2-Dichloropropane

Concen: 20.597 ug/l

RT: 9.374 min Scan# 1228

Delta R.T. 0.000 min

Lab File: VW032054.D

Acq: 11 Aug 2025 09:47

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tgt Ion: 63 Resp: 60340

Ion Ratio Lower Upper

63 100

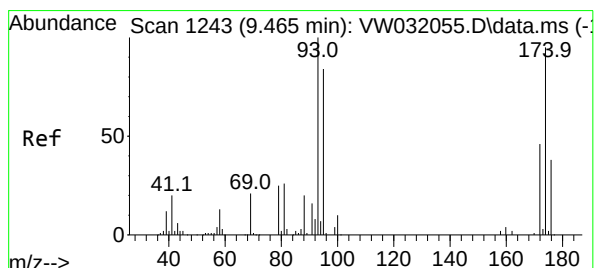
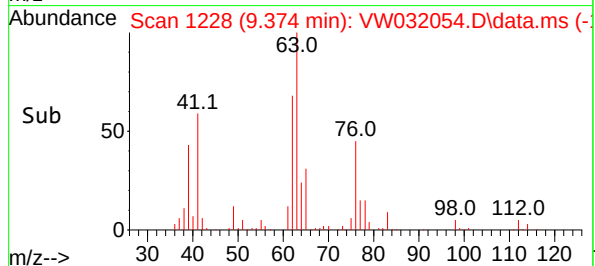
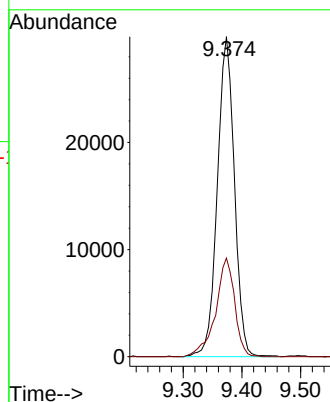
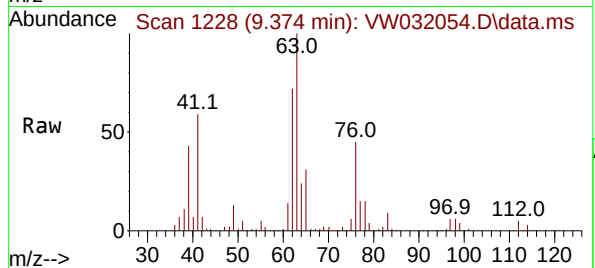
65 30.8 24.6 36.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025

Supervised By :Semsettin Yesilyurt 08/12/2025



#46

Dibromomethane

Concen: 19.873 ug/l

RT: 9.465 min Scan# 1243

Delta R.T. 0.000 min

Lab File: VW032054.D

Acq: 11 Aug 2025 09:47

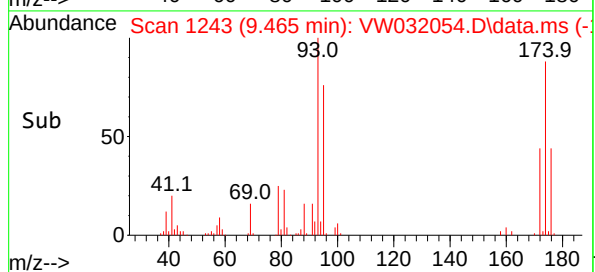
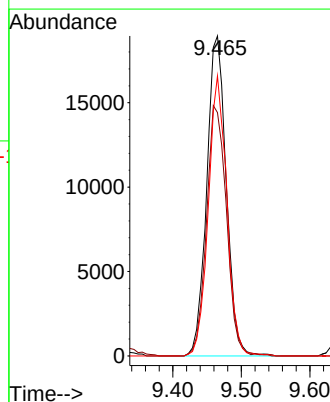
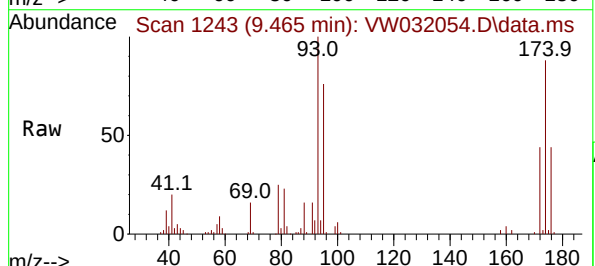
Tgt Ion: 93 Resp: 37580

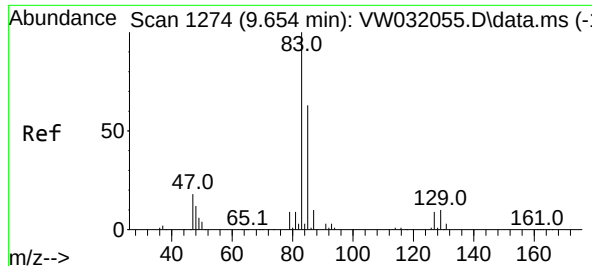
Ion Ratio Lower Upper

93 100

95 80.1 65.3 97.9

174 83.3 68.6 102.8





#47

Bromodichloromethane

Concen: 19.869 ug/l

RT: 9.648 min Scan# 1273

Delta R.T. -0.006 min

Lab File: VW032054.D

Acq: 11 Aug 2025 09:47

Instrument :

MSVOA_W

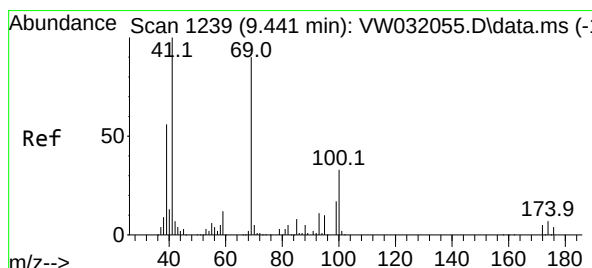
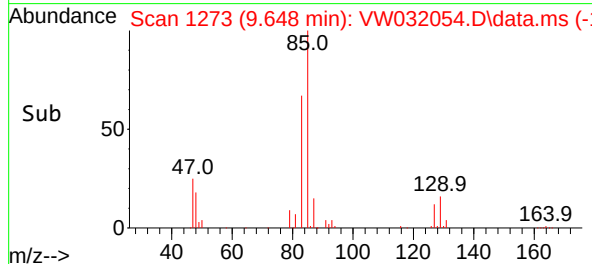
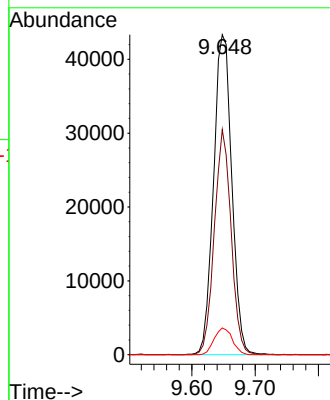
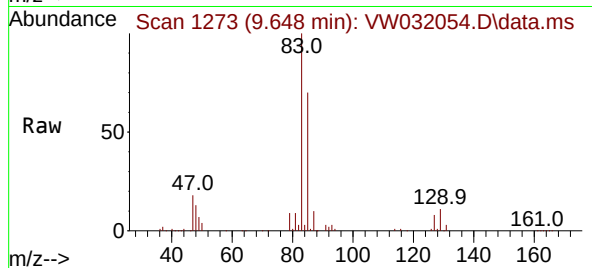
ClientSampleId :

VSTDICC020

Tgt Ion:	83	Resp:	8657
Ion	Ratio	Lower	Upper
83	100		
85	70.4	50.6	75.8
127	8.3	6.9	10.3

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025



#48

Methyl methacrylate

Concen: 18.704 ug/l

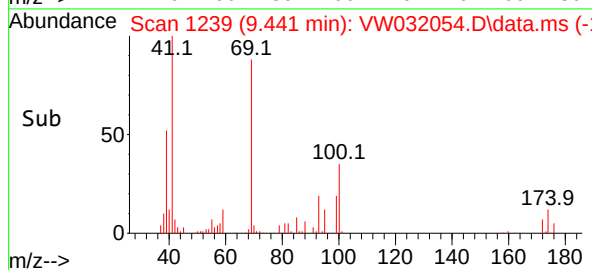
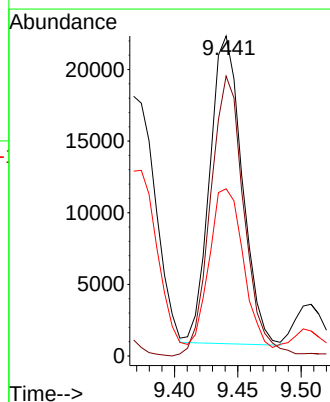
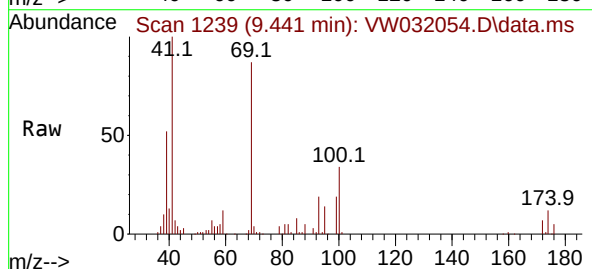
RT: 9.441 min Scan# 1239

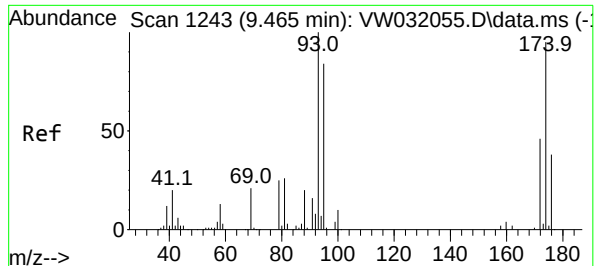
Delta R.T. 0.000 min

Lab File: VW032054.D

Acq: 11 Aug 2025 09:47

Tgt Ion:	41	Resp:	38175
Ion	Ratio	Lower	Upper
41	100		
69	94.6	73.0	109.6
39	53.7	45.0	67.4





#49

1,4-Dioxane

Concen: 364.998 ug/l

RT: 9.459 min Scan# 11

Delta R.T. -0.006 min

Lab File: VW032054.D

Acq: 11 Aug 2025 09:47

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC020

Tgt Ion: 88 Resp: 8924

Ion Ratio Lower Upper

88 100

43 24.7 20.6 30.8

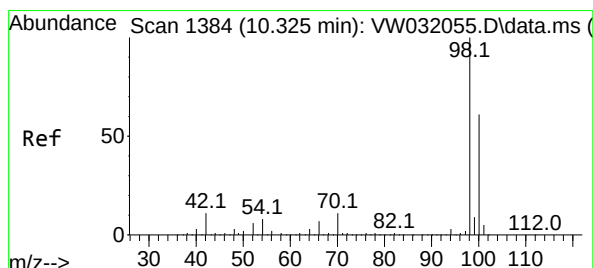
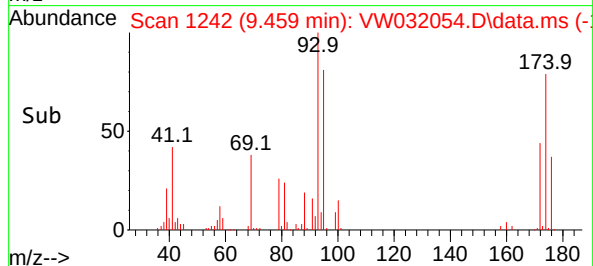
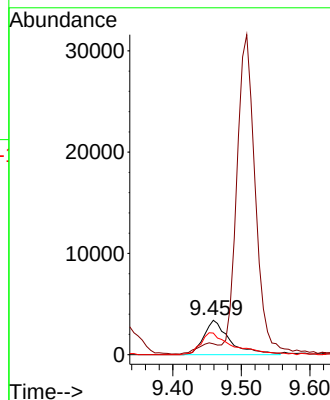
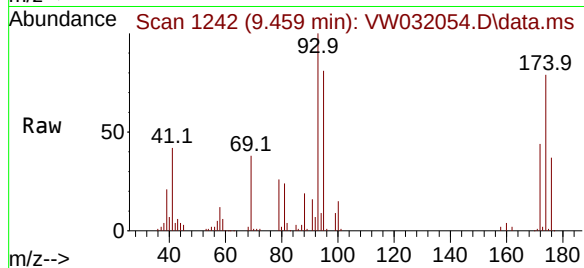
58 78.5 60.4 90.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025

Supervised By :Semsettin Yesilyurt 08/12/2025



#50

Toluene-d8

Concen: 20.212 ug/l

RT: 10.325 min Scan# 1384

Delta R.T. 0.000 min

Lab File: VW032054.D

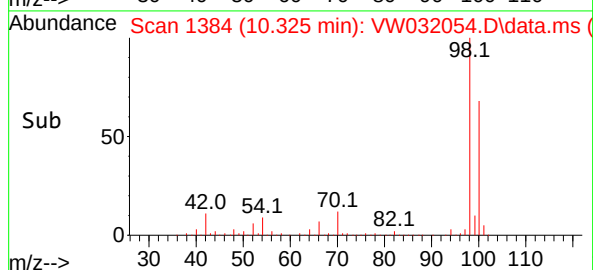
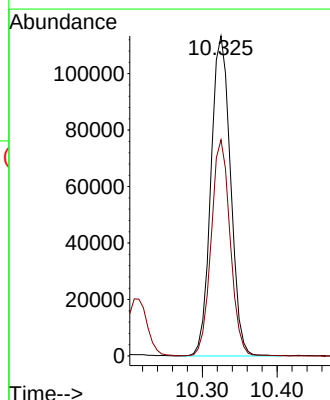
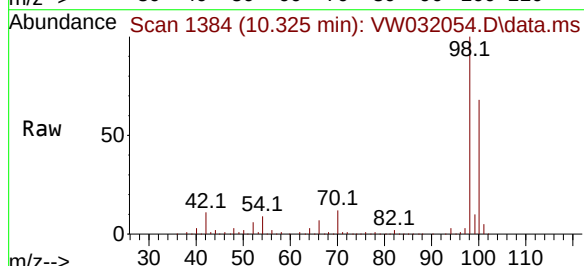
Acq: 11 Aug 2025 09:47

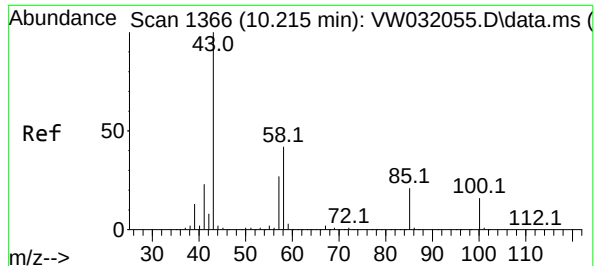
Tgt Ion: 98 Resp: 206901

Ion Ratio Lower Upper

98 100

100 65.5 51.1 76.7





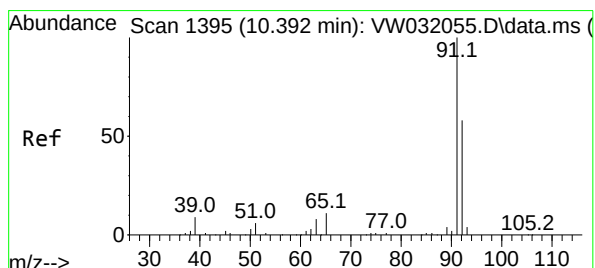
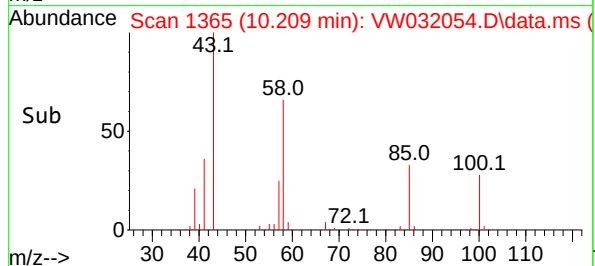
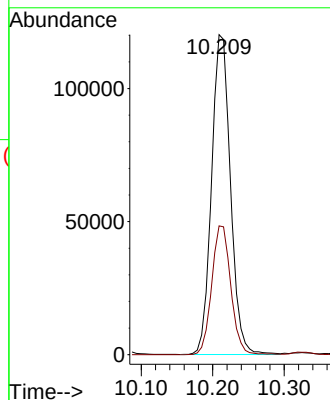
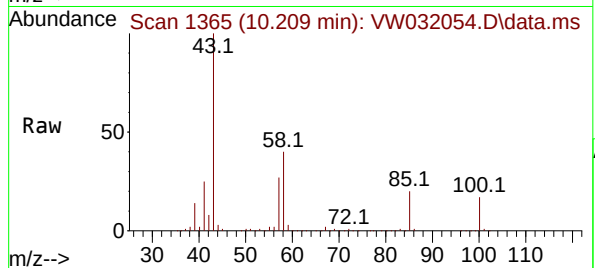
#51
4-Methyl-2-Pentanone
Concen: 92.472 ug/l
RT: 10.209 min Scan# 1365
Delta R.T. -0.006 min
Lab File: VW032054.D
Acq: 11 Aug 2025 09:47

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 22066
Ion Ratio Lower Upper
43 100
58 40.7 33.1 49.7

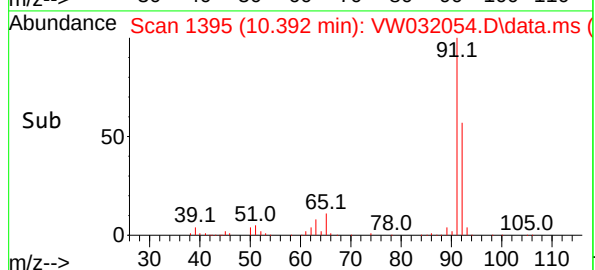
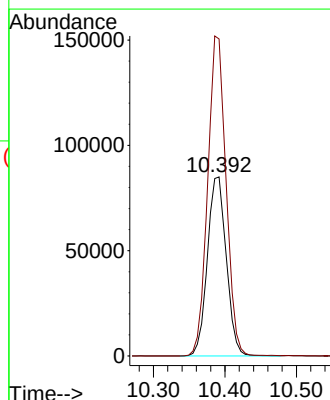
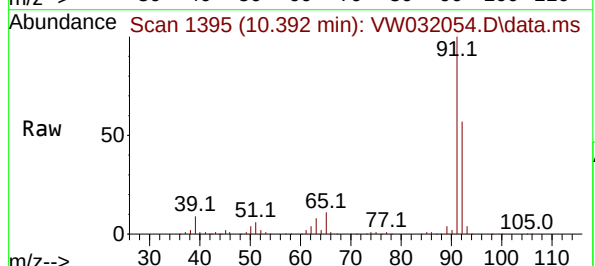
Manual Integrations
APPROVED

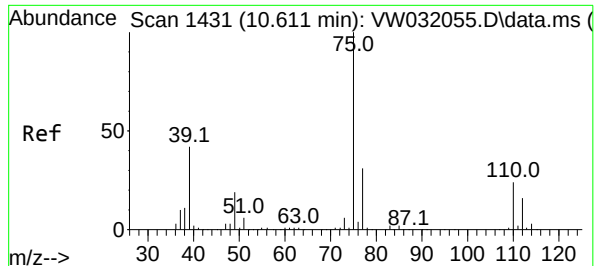
Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025



#52
Toluene
Concen: 20.418 ug/l
RT: 10.392 min Scan# 1395
Delta R.T. 0.000 min
Lab File: VW032054.D
Acq: 11 Aug 2025 09:47

Tgt Ion: 92 Resp: 155974
Ion Ratio Lower Upper
92 100
91 173.6 136.3 204.5





#53

t-1,3-Dichloropropene

Concen: 19.463 ug/l

RT: 10.605 min Scan# 1430

Delta R.T. -0.006 min

Lab File: VW032054.D

Acq: 11 Aug 2025 09:47

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC020

Tgt Ion: 75 Resp: 79452

Ion Ratio Lower Upper

75 100

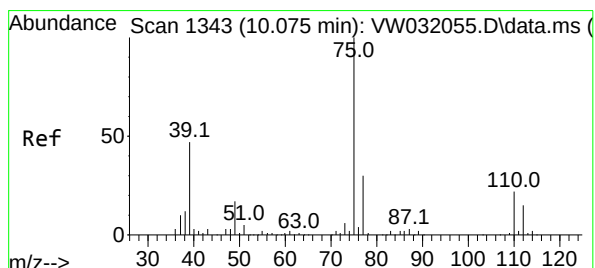
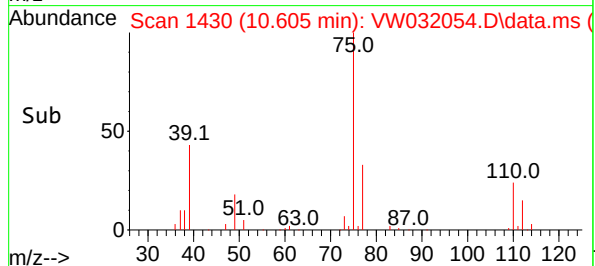
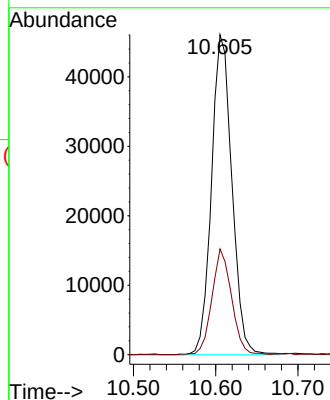
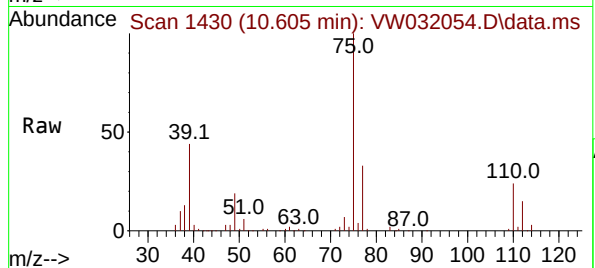
77 32.9 25.0 37.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025

Supervised By :Semsettin Yesilyurt 08/12/2025



#54

cis-1,3-Dichloropropene

Concen: 19.612 ug/l

RT: 10.075 min Scan# 1343

Delta R.T. 0.000 min

Lab File: VW032054.D

Acq: 11 Aug 2025 09:47

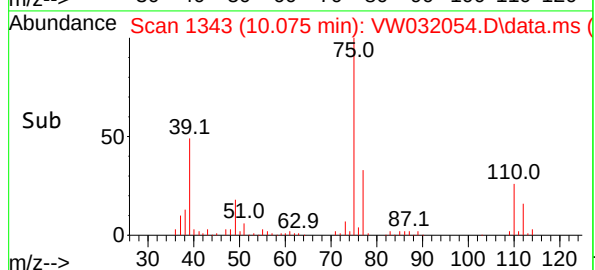
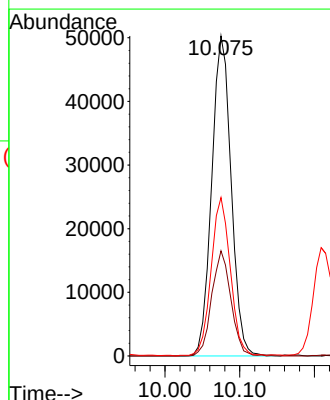
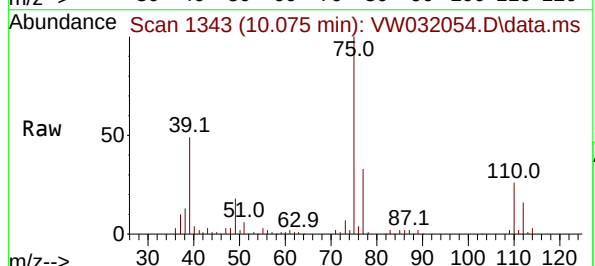
Tgt Ion: 75 Resp: 90828

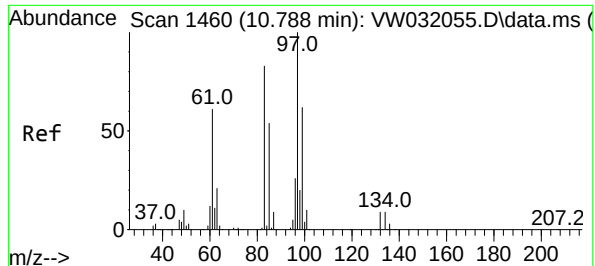
Ion Ratio Lower Upper

75 100

77 32.9 24.0 36.0

39 49.3 37.8 56.8





#55

1,1,2-Trichloroethane

Concen: 19.888 ug/l

RT: 10.788 min Scan# 1460

Delta R.T. 0.000 min

Lab File: VW032054.D

Acq: 11 Aug 2025 09:47

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC020

Tgt Ion: 97 Resp: 49974

Ion Ratio Lower Upper

97 100

83 77.9 66.4 99.6

85 50.3 43.1 64.7

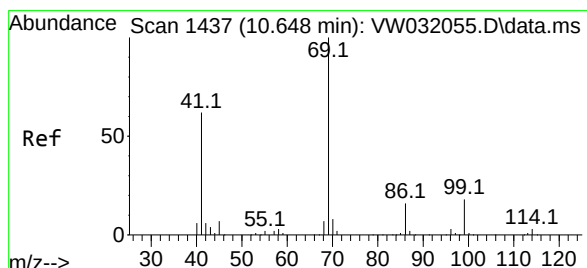
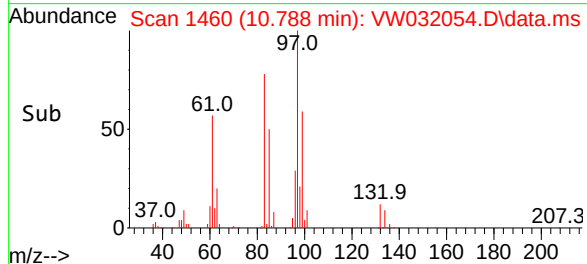
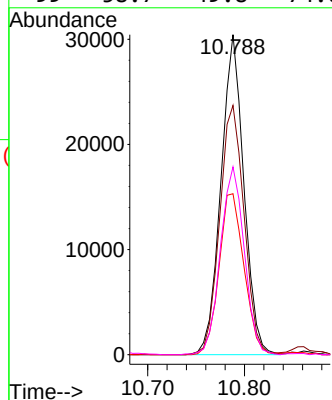
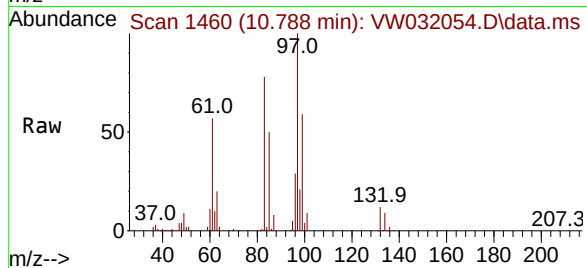
99 58.7 49.8 74.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025

Supervised By :Semsettin Yesilyurt 08/12/2025



#56

Ethyl methacrylate

Concen: 18.645 ug/l

RT: 10.648 min Scan# 1437

Delta R.T. 0.000 min

Lab File: VW032054.D

Acq: 11 Aug 2025 09:47

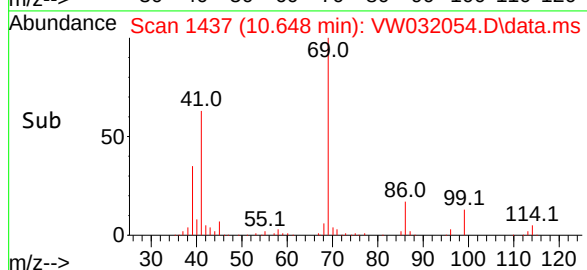
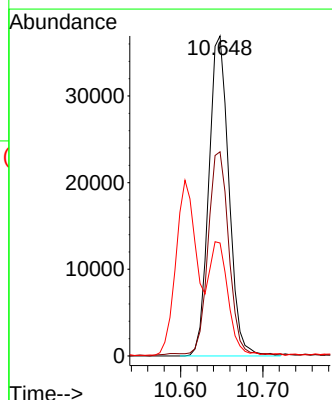
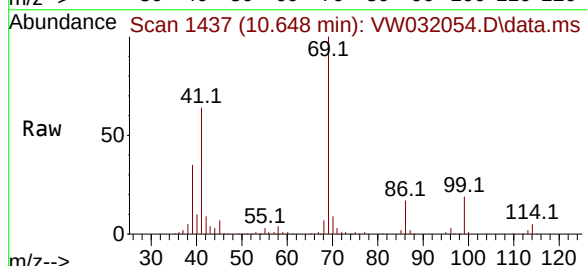
Tgt Ion: 69 Resp: 62694

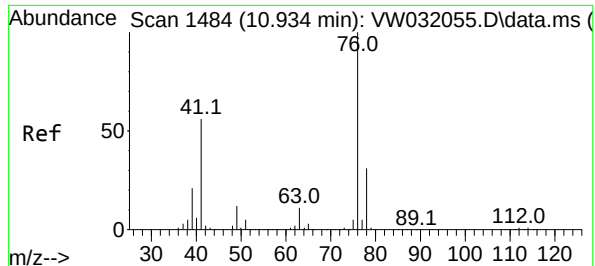
Ion Ratio Lower Upper

69 100

41 67.2 51.2 76.8

39 31.8 25.4 38.0





#57

1,3-Dichloropropane

Concen: 19.790 ug/l

RT: 10.934 min Scan# 1484

Delta R.T. 0.000 min

Lab File: VW032054.D

Acq: 11 Aug 2025 09:47

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tgt Ion: 76 Resp: 86678

Ion Ratio Lower Upper

76 100

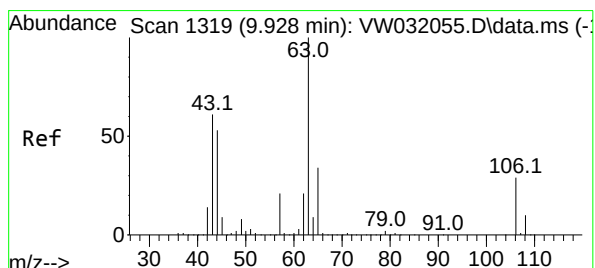
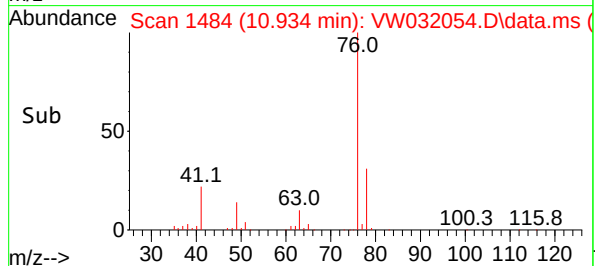
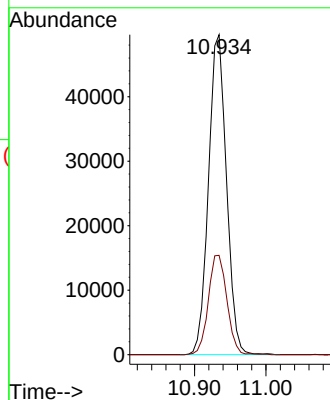
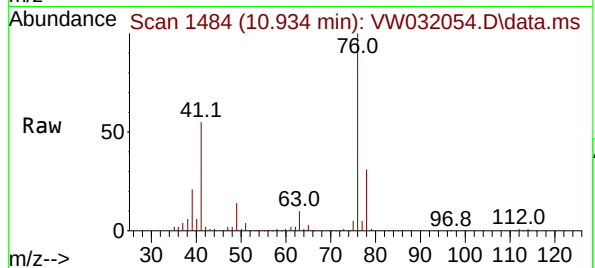
78 32.2 25.8 38.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025

Supervised By :Semsettin Yesilyurt 08/12/2025



#58

2-Chloroethyl Vinyl ether

Concen: 94.809 ug/l

RT: 9.928 min Scan# 1319

Delta R.T. 0.000 min

Lab File: VW032054.D

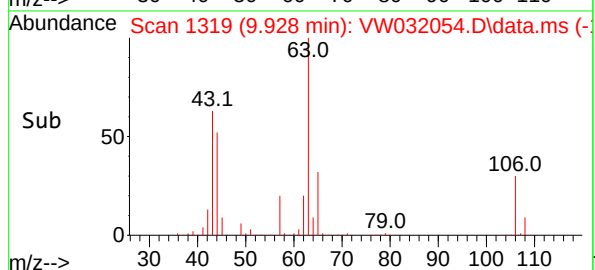
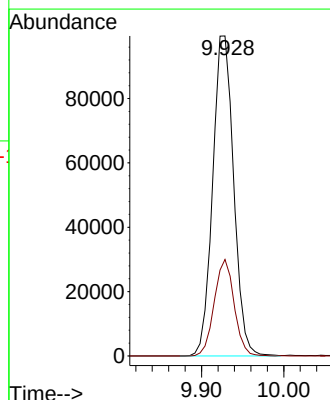
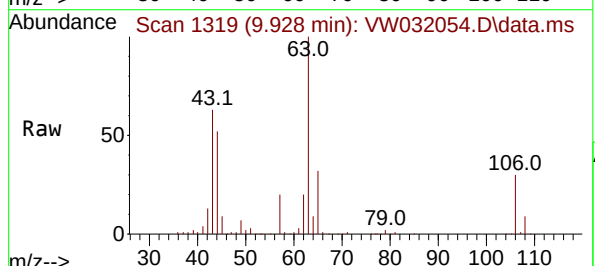
Acq: 11 Aug 2025 09:47

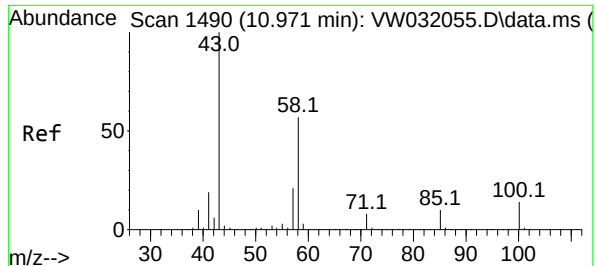
Tgt Ion: 63 Resp: 176339

Ion Ratio Lower Upper

63 100

106 28.5 23.5 35.3





#59

2-Hexanone

Concen: 91.530 ug/l

RT: 10.971 min Scan# 1490

Delta R.T. 0.000 min

Lab File: VW032054.D

Acq: 11 Aug 2025 09:47

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tgt Ion: 43 Resp: 151264

Ion Ratio Lower Upper

43 100

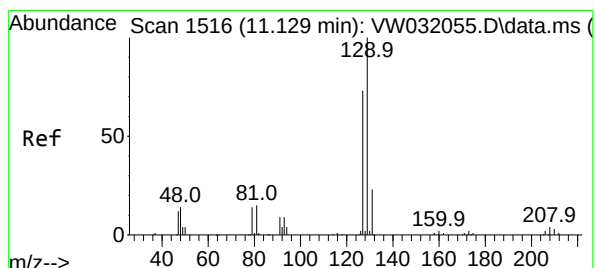
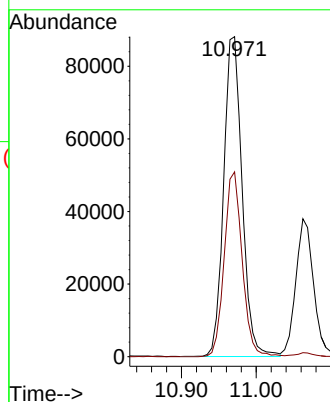
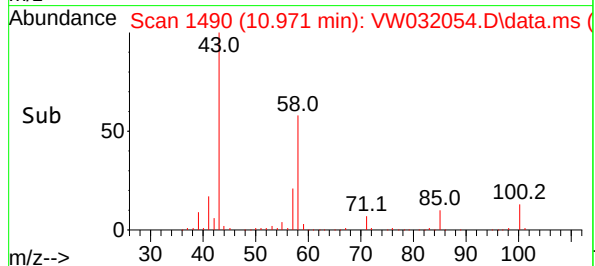
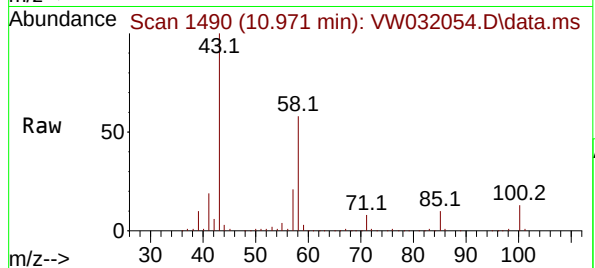
58 56.4 28.3 85.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025

Supervised By :Semsettin Yesilyurt 08/12/2025



#60

Dibromochloromethane

Concen: 19.721 ug/l

RT: 11.130 min Scan# 1516

Delta R.T. 0.000 min

Lab File: VW032054.D

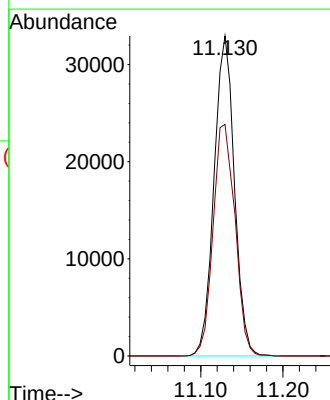
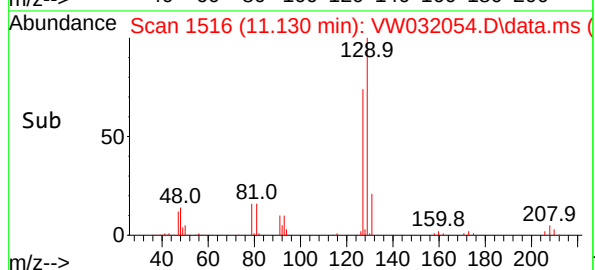
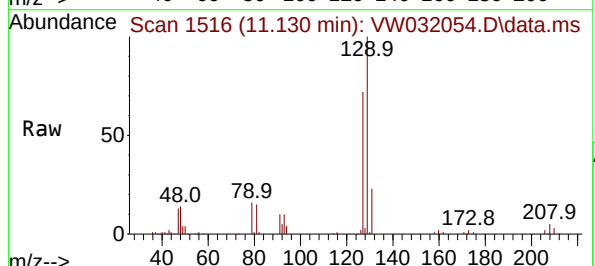
Acq: 11 Aug 2025 09:47

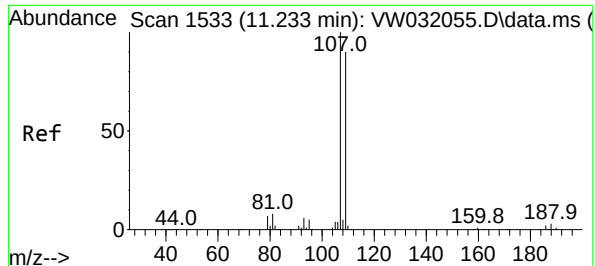
Tgt Ion:129 Resp: 56607

Ion Ratio Lower Upper

129 100

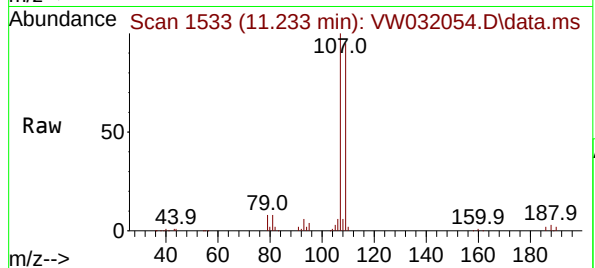
127 78.0 39.0 116.9





#61
1,2-Dibromoethane
Concen: 19.371 ug/l
RT: 11.233 min Scan# 1533
Delta R.T. 0.000 min
Lab File: VW032054.D
Acq: 11 Aug 2025 09:47

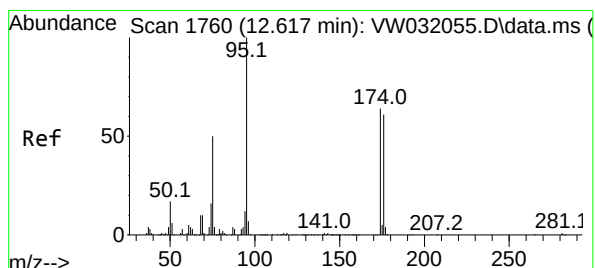
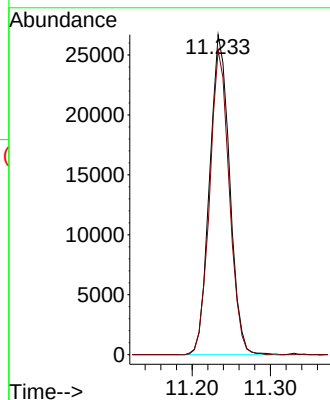
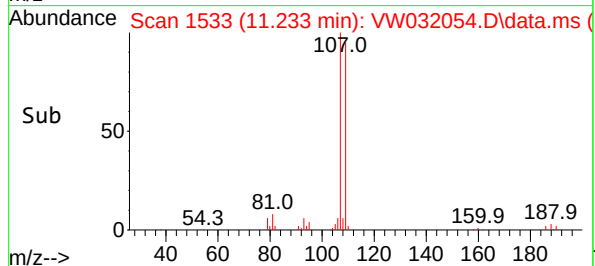
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020



Tgt Ion:107 Resp: 47302
Ion Ratio Lower Upper
107 100
109 93.0 74.2 111.4

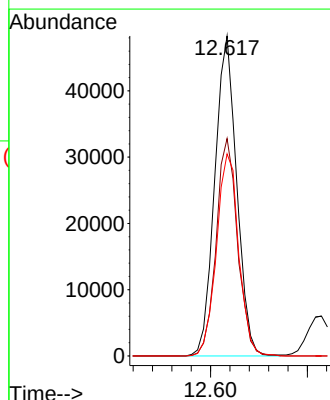
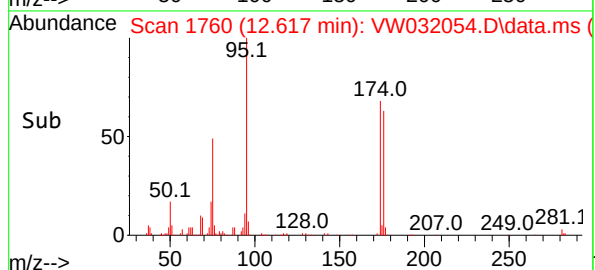
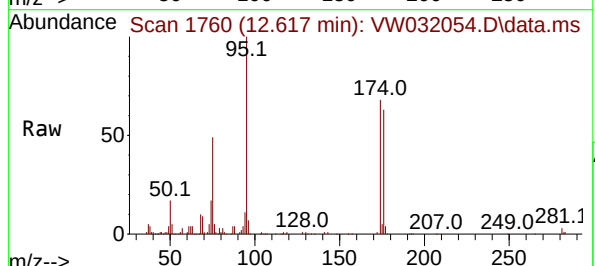
Manual Integrations
APPROVED

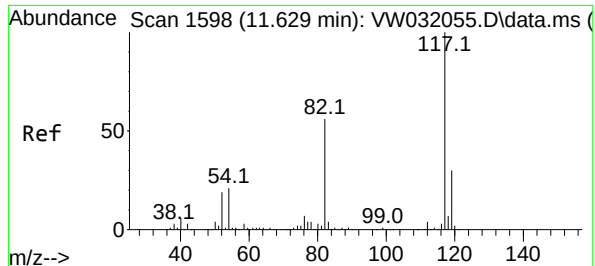
Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025



#62
4-Bromofluorobenzene
Concen: 20.149 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032054.D
Acq: 11 Aug 2025 09:47

Tgt Ion: 95 Resp: 76008
Ion Ratio Lower Upper
95 100
174 66.3 0.0 129.0
176 64.1 0.0 124.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.629 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW032054.D

Acq: 11 Aug 2025 09:47

Instrument :

MSVOA_W

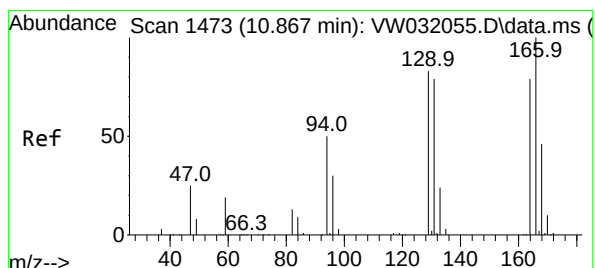
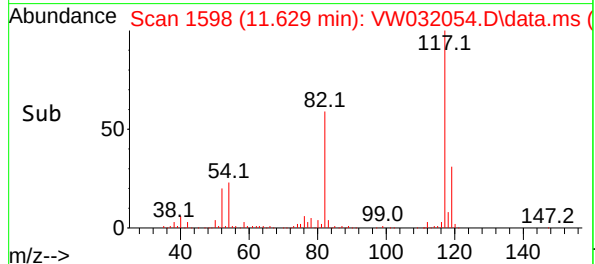
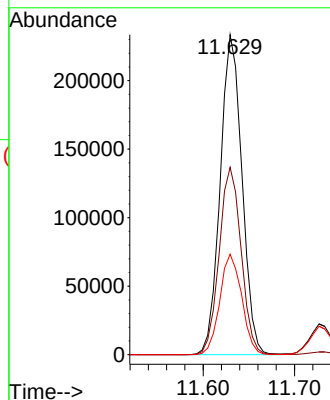
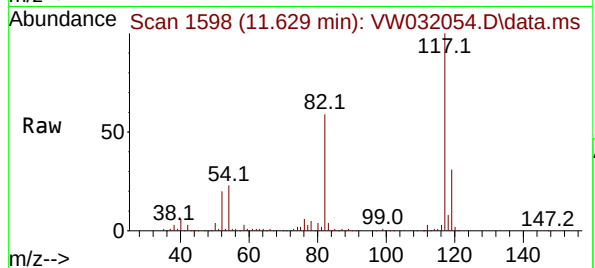
ClientSampleId :

VSTDICC020

Tgt Ion:117	Resp: 38685
Ion Ratio	Lower Upper
117	100
82	58.5 45.0 67.4
119	31.4 24.2 36.4

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025



#64

Tetrachloroethene

Concen: 20.434 ug/l

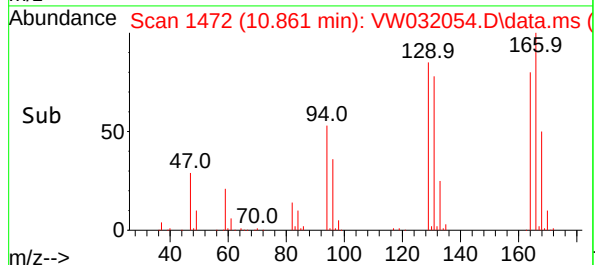
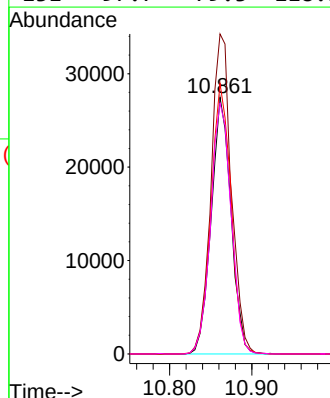
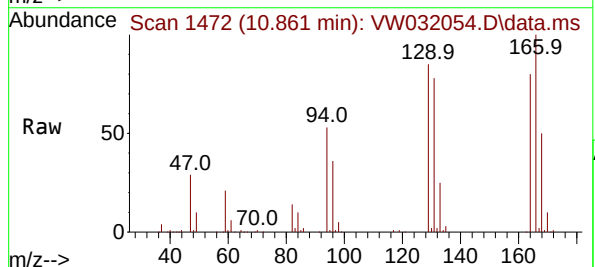
RT: 10.861 min Scan# 1472

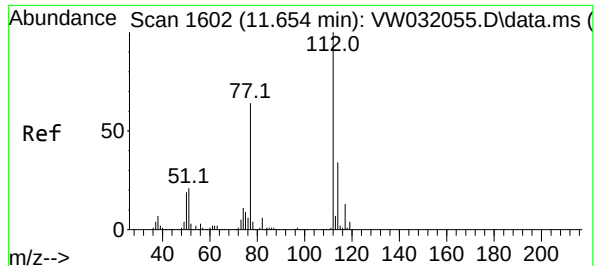
Delta R.T. -0.006 min

Lab File: VW032054.D

Acq: 11 Aug 2025 09:47

Tgt Ion:164	Resp: 45660
Ion Ratio	Lower Upper
164	100
166	124.7 100.9 151.3
129	105.4 83.6 125.4
131	97.7 79.3 118.9





#65

Chlorobenzene

Concen: 20.169 ug/l

RT: 11.654 min Scan# 1602

Delta R.T. 0.000 min

Lab File: VW032054.D

Acq: 11 Aug 2025 09:47

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC020

Tgt Ion:112 Resp: 169830

Ion Ratio Lower Upper

112 100

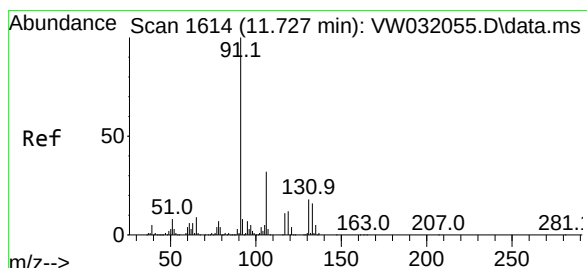
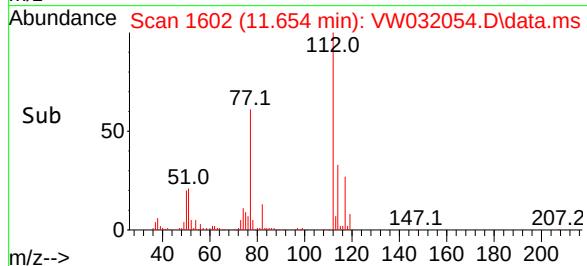
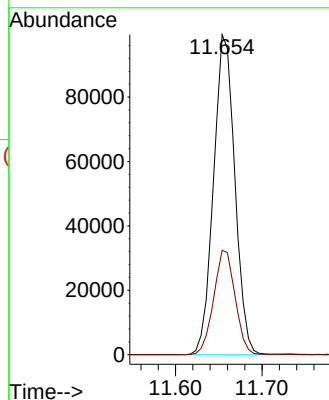
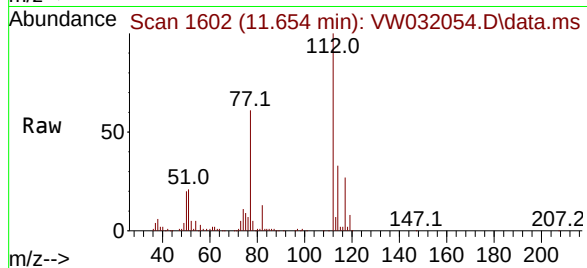
114 32.6 26.9 40.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025

Supervised By :Semsettin Yesilyurt 08/12/2025



#66

1,1,1,2-Tetrachloroethane

Concen: 20.150 ug/l

RT: 11.727 min Scan# 1614

Delta R.T. 0.000 min

Lab File: VW032054.D

Acq: 11 Aug 2025 09:47

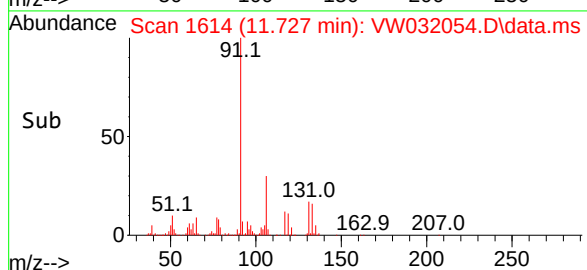
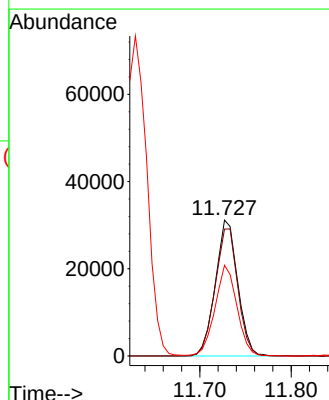
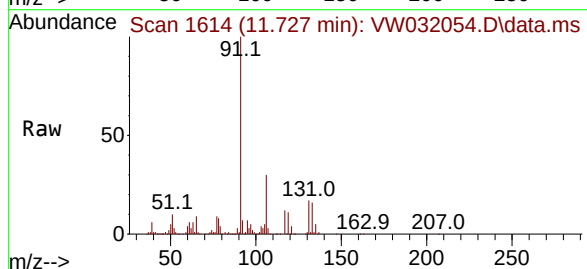
Tgt Ion:131 Resp: 52937

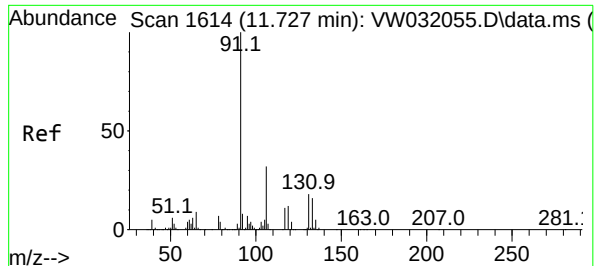
Ion Ratio Lower Upper

131 100

133 95.2 47.3 142.0

119 65.6 34.5 103.5





#67

Ethyl Benzene

Concen: 20.836 ug/l

RT: 11.727 min Scan# 1614

Delta R.T. 0.000 min

Lab File: VW032054.D

Acq: 11 Aug 2025 09:47

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC020

Tgt Ion: 91 Resp: 29719

Ion Ratio Lower Upper

91 100

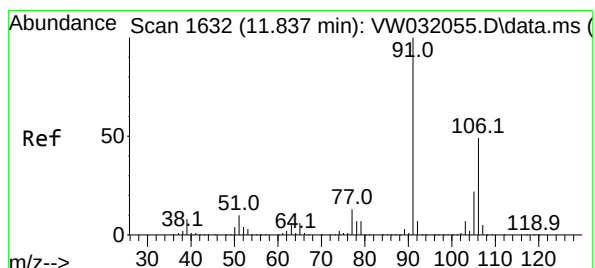
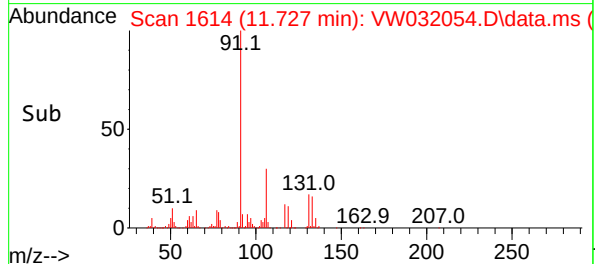
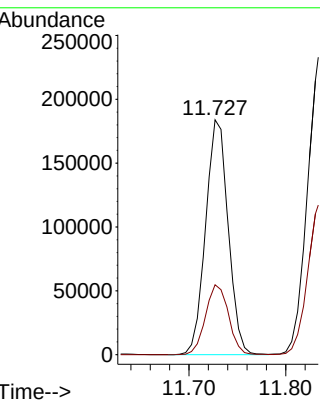
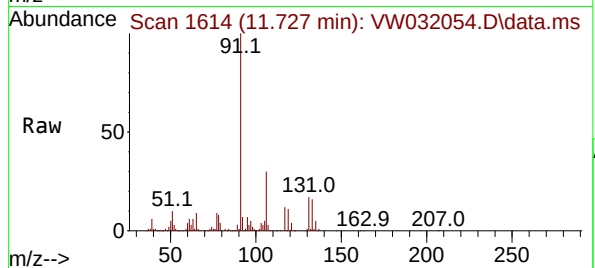
106 29.8 25.4 38.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025

Supervised By :Semsettin Yesilyurt 08/12/2025



#68

m/p-Xylenes

Concen: 42.376 ug/l

RT: 11.837 min Scan# 1632

Delta R.T. 0.000 min

Lab File: VW032054.D

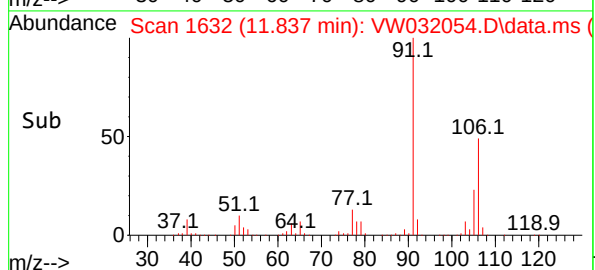
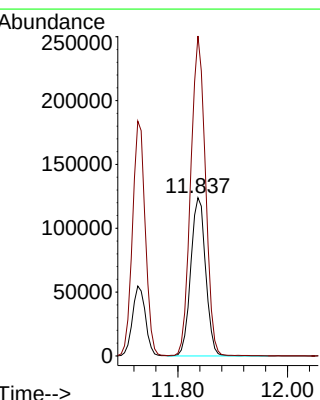
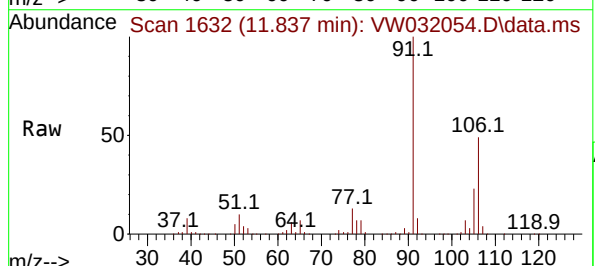
Acq: 11 Aug 2025 09:47

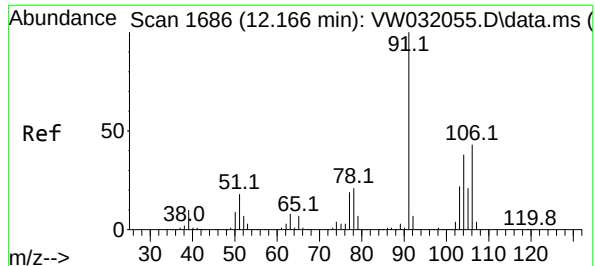
Tgt Ion:106 Resp: 233224

Ion Ratio Lower Upper

106 100

91 199.8 162.2 243.2





#69

o-Xylene

Concen: 20.482 ug/l

RT: 12.166 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW032054.D

Acq: 11 Aug 2025 09:47

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tgt Ion:106 Resp: 10419

Ion Ratio Lower Upper

106 100

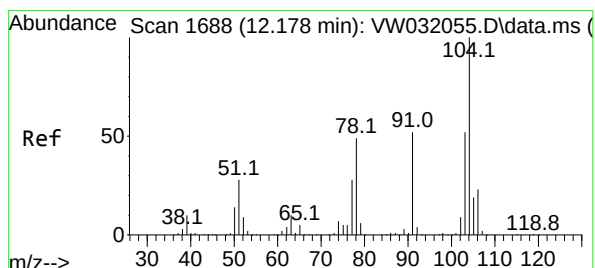
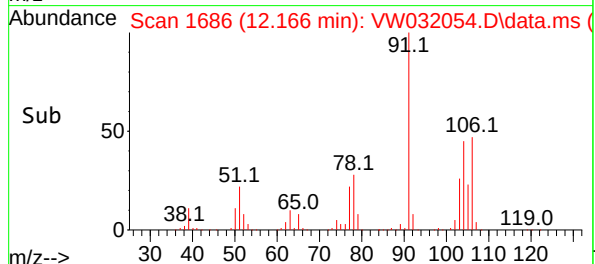
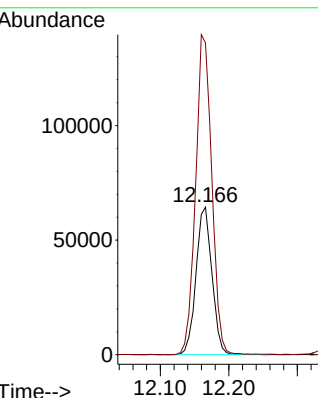
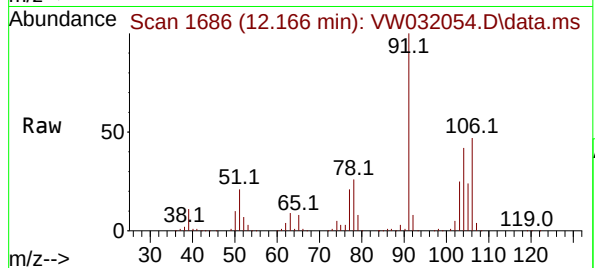
91 220.7 110.8 332.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025

Supervised By :Semsettin Yesilyurt 08/12/2025



#70

Styrene

Concen: 20.991 ug/l

RT: 12.178 min Scan# 1688

Delta R.T. 0.000 min

Lab File: VW032054.D

Acq: 11 Aug 2025 09:47

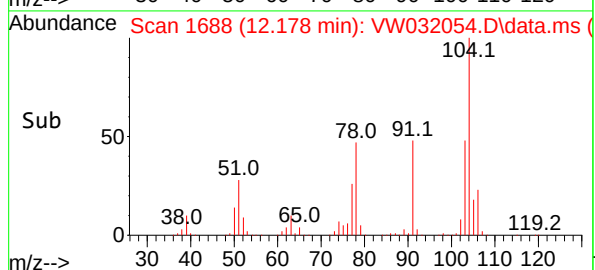
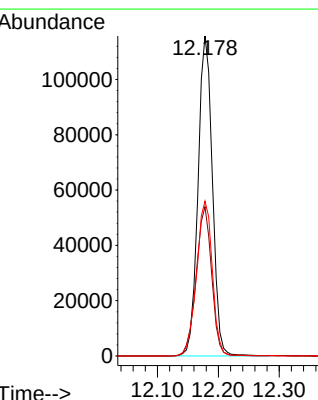
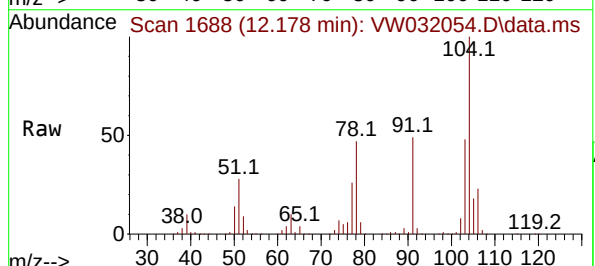
Tgt Ion:104 Resp: 189664

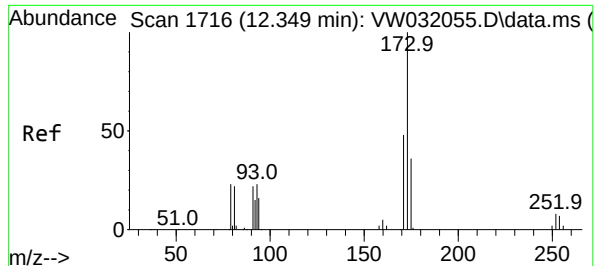
Ion Ratio Lower Upper

104 100

78 50.1 41.2 61.8

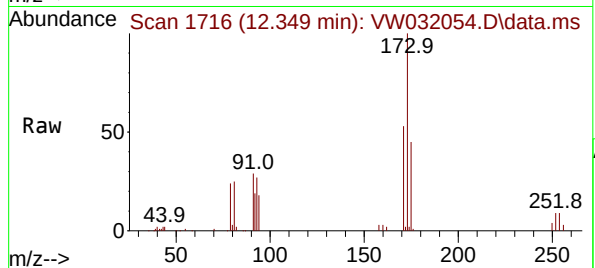
103 53.2 43.8 65.8





#71
Bromoform
Concen: 18.991 ug/l
RT: 12.349 min Scan# 1716
Delta R.T. 0.000 min
Lab File: VW032054.D
Acq: 11 Aug 2025 09:47

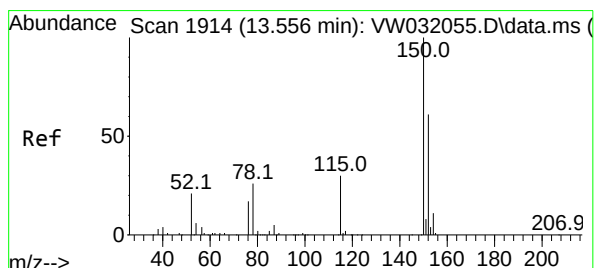
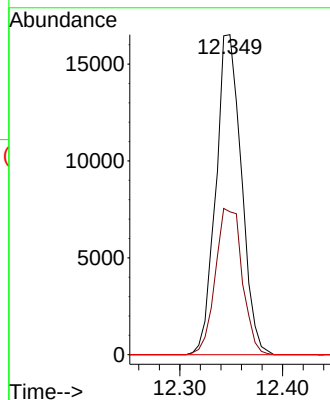
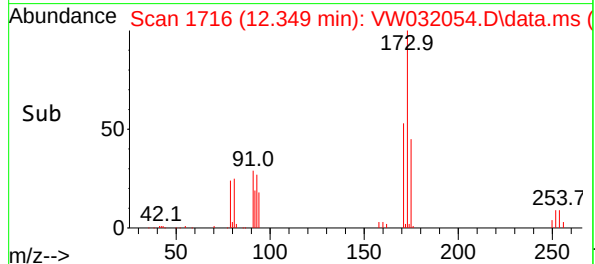
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020



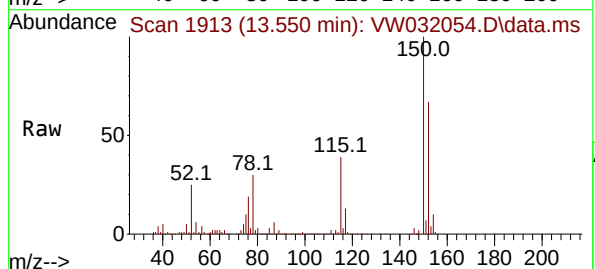
Tgt Ion:173 Resp: 28540
Ion Ratio Lower Upper
173 100
175 48.1 22.9 68.7
254 0.0 0.0 0.0

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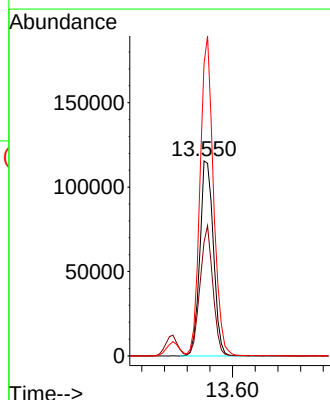
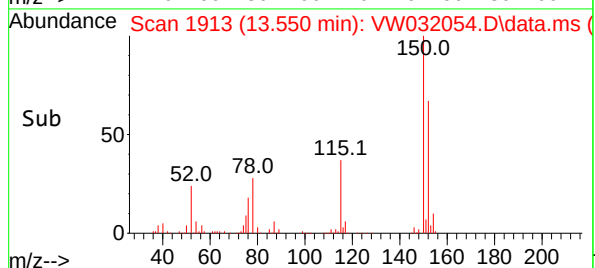
Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025

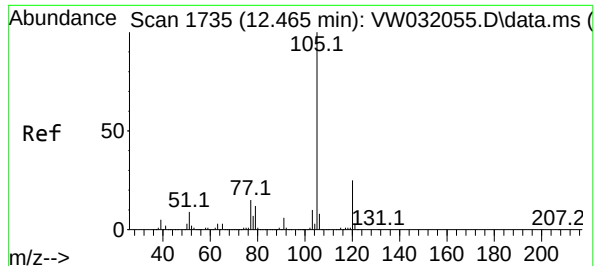


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.550 min Scan# 1913
Delta R.T. -0.006 min
Lab File: VW032054.D
Acq: 11 Aug 2025 09:47



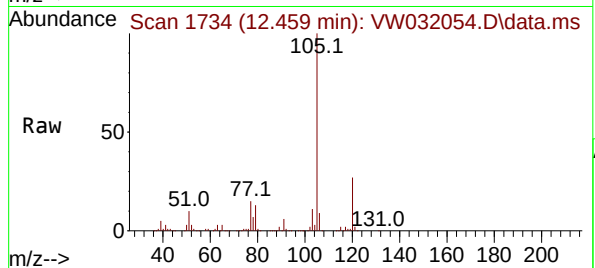
Tgt Ion:152 Resp: 191343
Ion Ratio Lower Upper
152 100
115 63.0 32.6 97.8
150 161.1 0.0 359.4





#73
Isopropylbenzene
Concen: 20.178 ug/l
RT: 12.459 min Scan# 1735
Delta R.T. -0.006 min
Lab File: VW032054.D
Acq: 11 Aug 2025 09:47

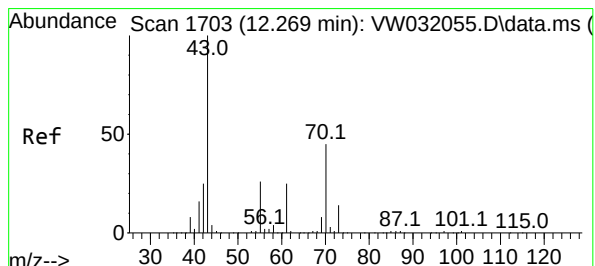
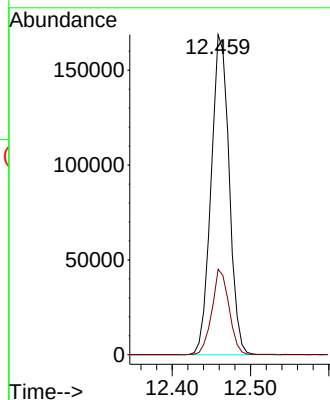
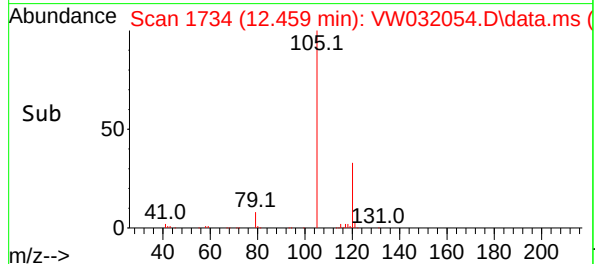
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020



Tgt Ion:105 Resp: 269829
Ion Ratio Lower Upper
105 100
120 25.3 12.8 38.4

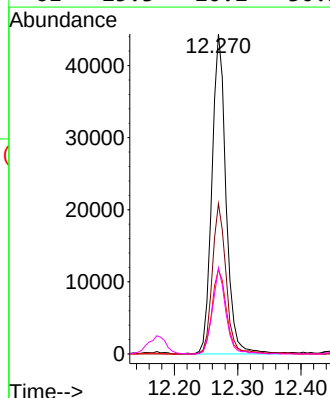
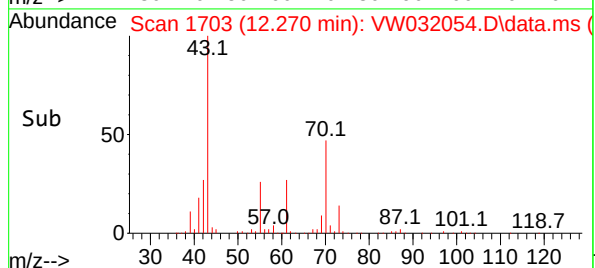
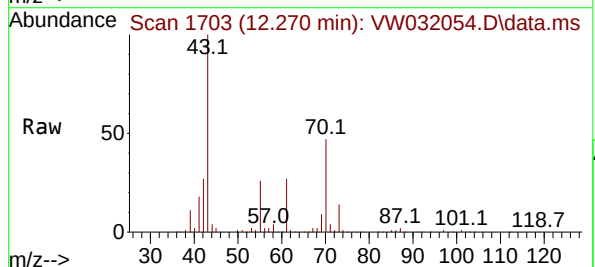
Manual Integrations
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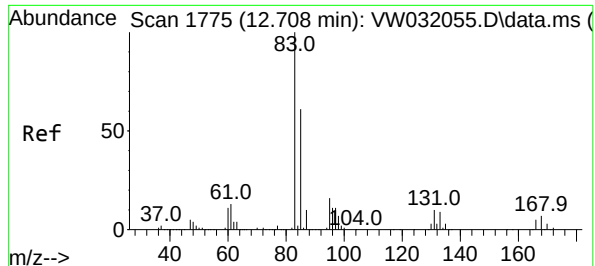
Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025



#74
N-ethyl acetate
Concen: 18.005 ug/l
RT: 12.270 min Scan# 1703
Delta R.T. 0.000 min
Lab File: VW032054.D
Acq: 11 Aug 2025 09:47

Tgt Ion: 43 Resp: 69075
Ion Ratio Lower Upper
43 100
70 45.7 37.0 55.4
55 27.7 21.1 31.7
61 25.3 20.2 30.2





#75

1,1,2,2-Tetrachloroethane

Concen: 18.531 ug/l

RT: 12.709 min Scan# 1775

Delta R.T. 0.000 min

Lab File: VW032054.D

Acq: 11 Aug 2025 09:47

Instrument :

MSVOA_W

ClientSampleId :

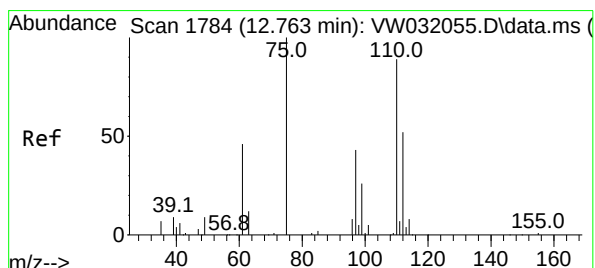
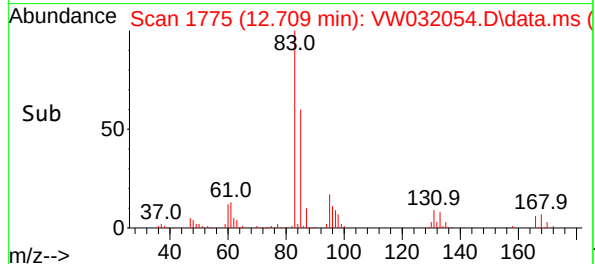
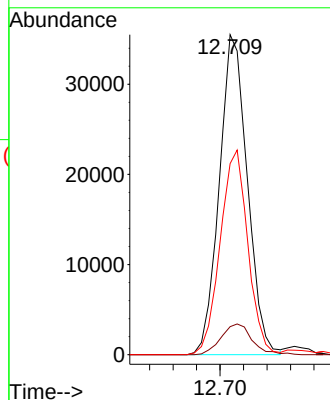
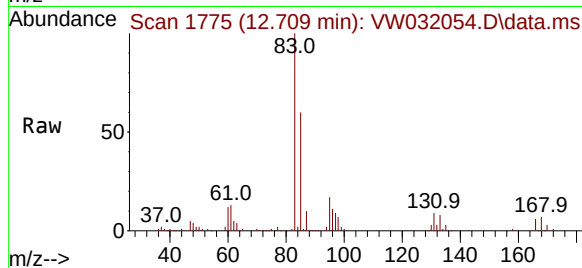
VSTDIC020

Tgt Ion:	83	Resp:	5883
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.1	15.4
85	63.2	32.2	96.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025



#76

1,2,3-Trichloropropane

Concen: 17.494 ug/l m

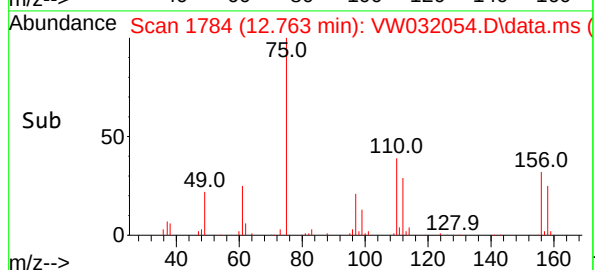
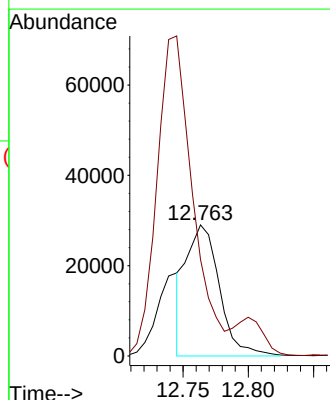
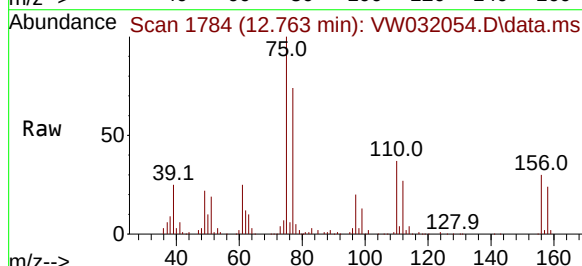
RT: 12.763 min Scan# 1784

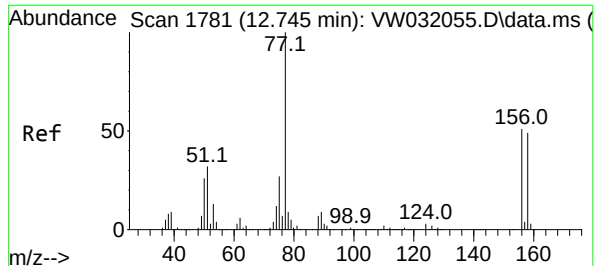
Delta R.T. 0.000 min

Lab File: VW032054.D

Acq: 11 Aug 2025 09:47

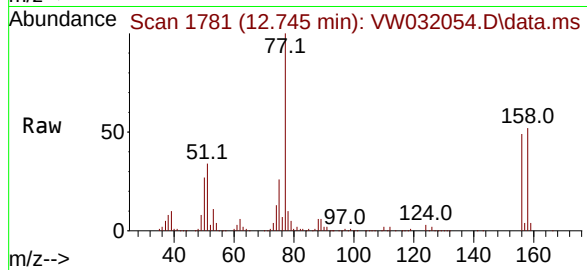
Tgt Ion:	75	Resp:	51456
Ion Ratio	Lower	Upper	
75	100		
77	262.8	123.5	370.5





#77
Bromobenzene
Concen: 19.221 ug/l
RT: 12.745 min Scan# 1781
Delta R.T. 0.000 min
Lab File: VW032054.D
Acq: 11 Aug 2025 09:47

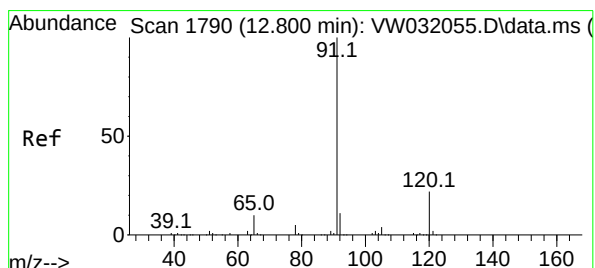
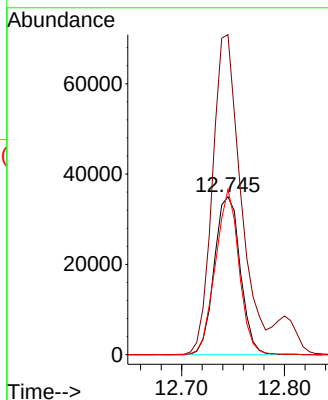
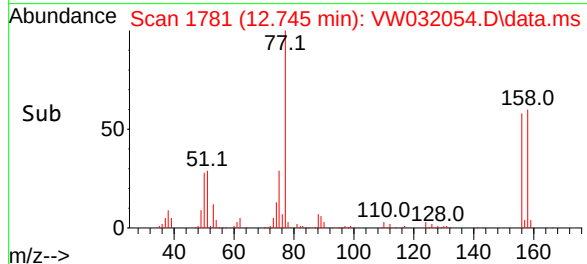
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020



Tgt Ion: 156 Resp: 61389
Ion Ratio Lower Upper
156 100
77 220.3 108.7 326.3
158 95.2 48.3 144.9

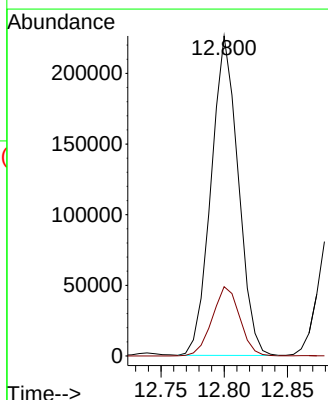
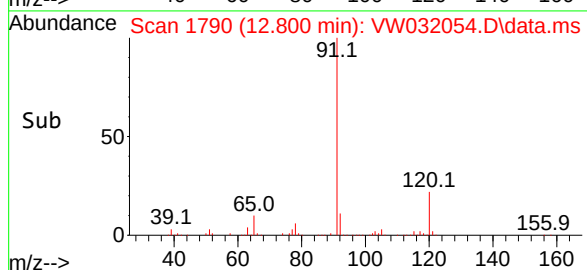
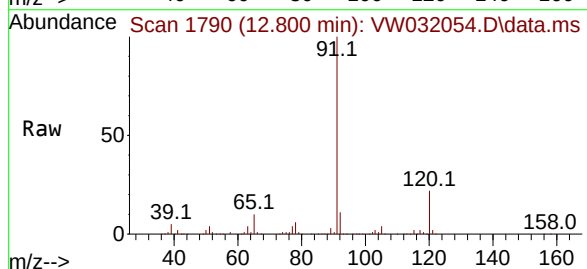
Manual Integrations
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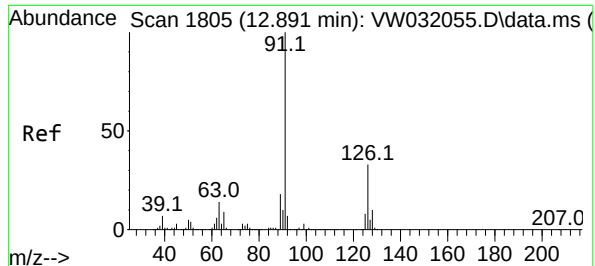
Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025



#78
n-propylbenzene
Concen: 20.476 ug/l
RT: 12.800 min Scan# 1790
Delta R.T. 0.000 min
Lab File: VW032054.D
Acq: 11 Aug 2025 09:47

Tgt Ion: 91 Resp: 337098
Ion Ratio Lower Upper
91 100
120 22.0 11.1 33.3





#79

2-Chlorotoluene

Concen: 20.069 ug/l

RT: 12.885 min Scan# 1804

Delta R.T. -0.006 min

Lab File: VW032054.D

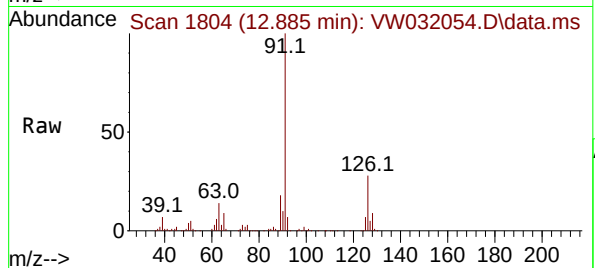
Acq: 11 Aug 2025 09:47

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC020



Tgt Ion: 91 Resp: 203918

Ion Ratio Lower Upper

91 100

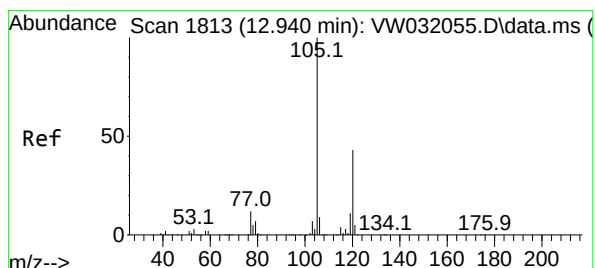
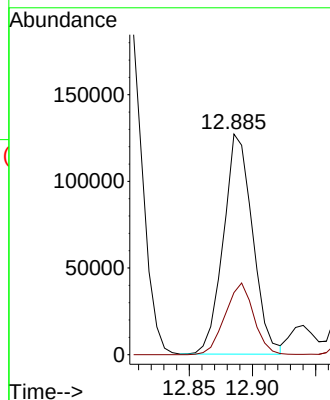
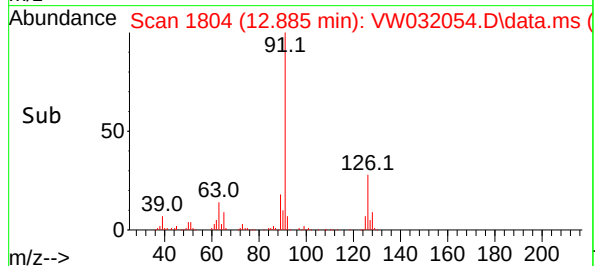
126 32.0 15.9 47.7

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025

Supervised By :Semsettin Yesilyurt 08/12/2025



#80

1,3,5-Trimethylbenzene

Concen: 20.226 ug/l

RT: 12.940 min Scan# 1813

Delta R.T. 0.000 min

Lab File: VW032054.D

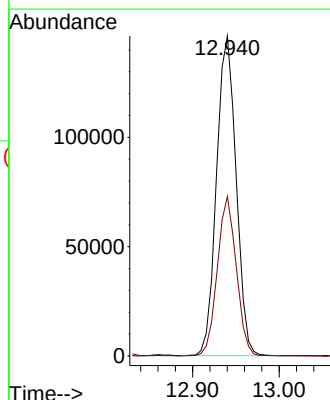
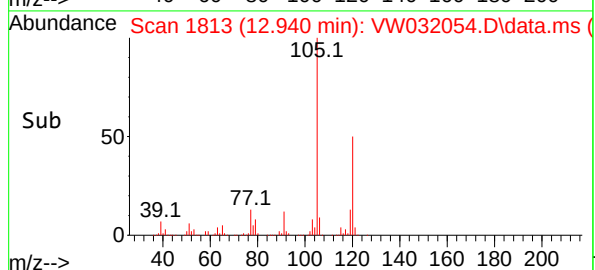
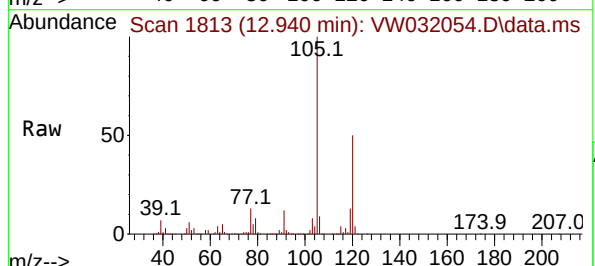
Acq: 11 Aug 2025 09:47

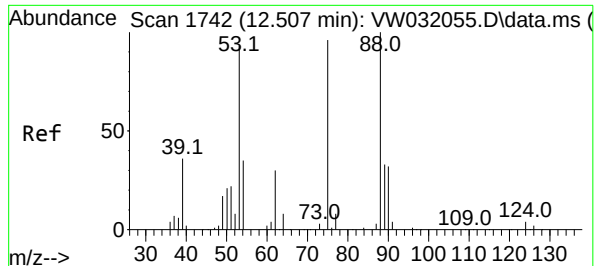
Tgt Ion:105 Resp: 229615

Ion Ratio Lower Upper

105 100

120 48.5 23.4 70.0





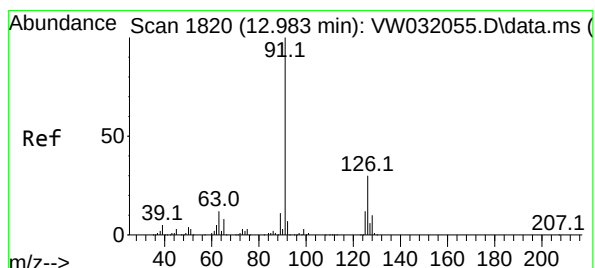
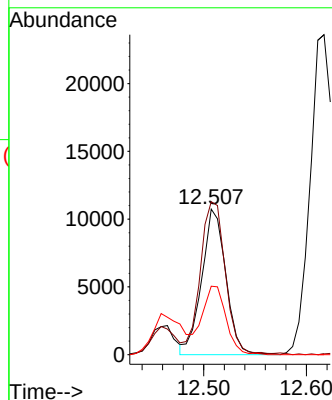
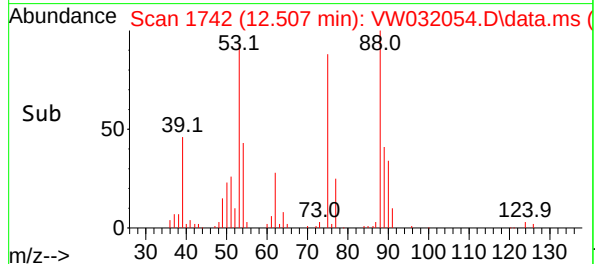
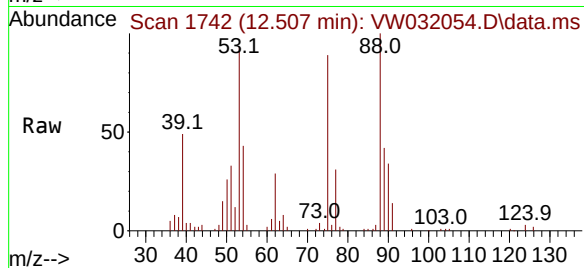
#81
trans-1,4-Dichloro-2-butene
Concen: 17.458 ug/l
RT: 12.507 min Scan# 1742
Delta R.T. 0.000 min
Lab File: VW032054.D
Acq: 11 Aug 2025 09:47

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Tgt Ion	Ratio	Lower	Upper
75	100		
53	110.9	81.0	121.6
89	48.9	37.3	55.9

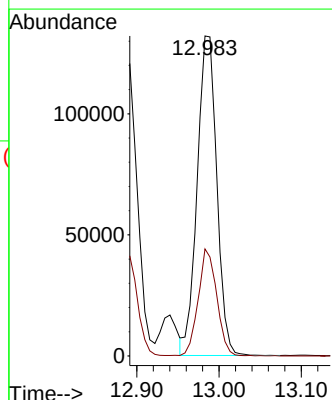
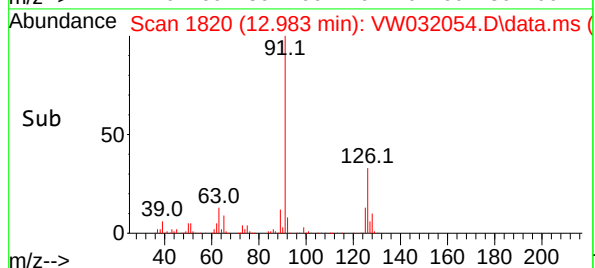
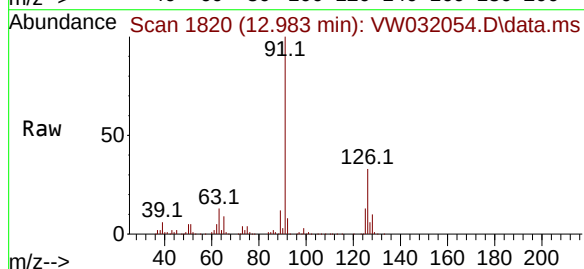
Manual Integrations
APPROVED

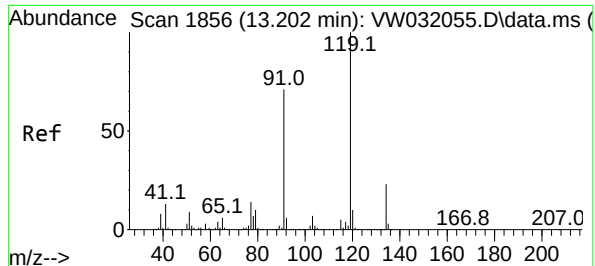
Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025



#82
4-Chlorotoluene
Concen: 20.253 ug/l
RT: 12.983 min Scan# 1820
Delta R.T. 0.000 min
Lab File: VW032054.D
Acq: 11 Aug 2025 09:47

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.9	15.5	46.5





#83

tert-Butylbenzene

Concen: 20.608 ug/l

RT: 13.202 min Scan# 1856

Delta R.T. 0.000 min

Lab File: VW032054.D

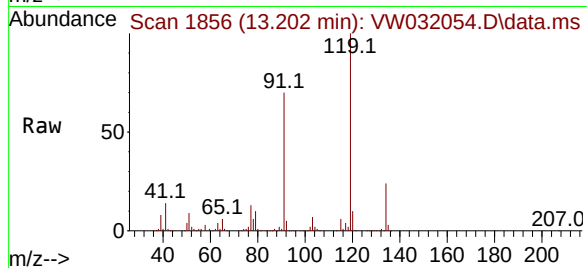
Acq: 11 Aug 2025 09:47

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020



Tgt Ion:119 Resp: 19416

Ion Ratio Lower Upper

119 100

91 68.1 35.3 105.9

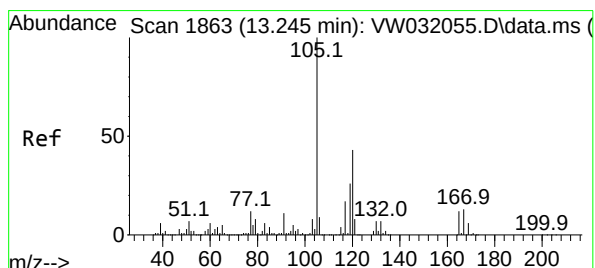
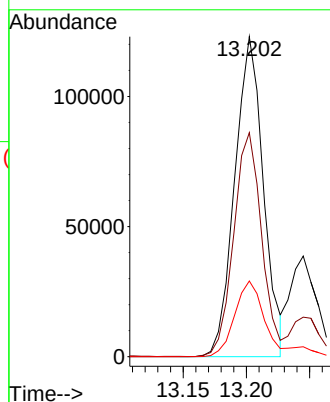
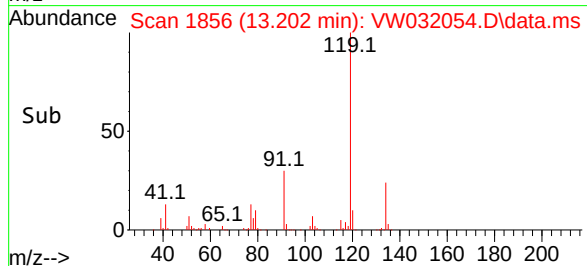
134 24.2 12.1 36.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025

Supervised By :Semsettin Yesilyurt 08/12/2025



#84

1,2,4-Trimethylbenzene

Concen: 20.774 ug/l

RT: 13.245 min Scan# 1863

Delta R.T. 0.000 min

Lab File: VW032054.D

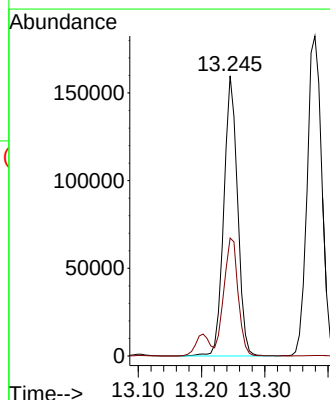
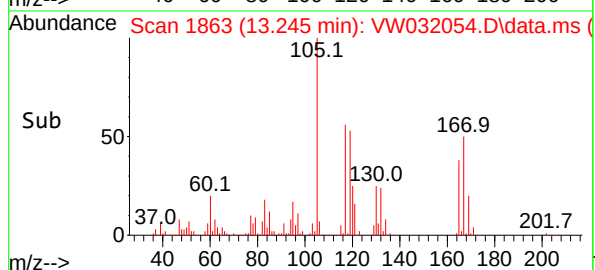
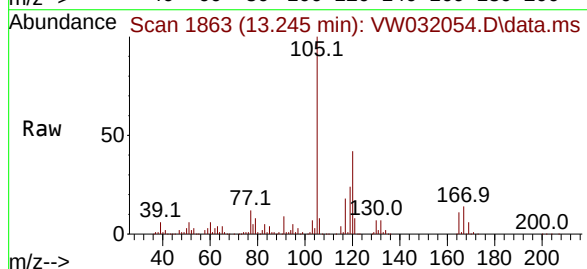
Acq: 11 Aug 2025 09:47

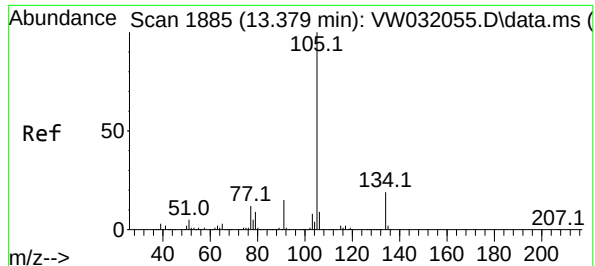
Tgt Ion:105 Resp: 240078

Ion Ratio Lower Upper

105 100

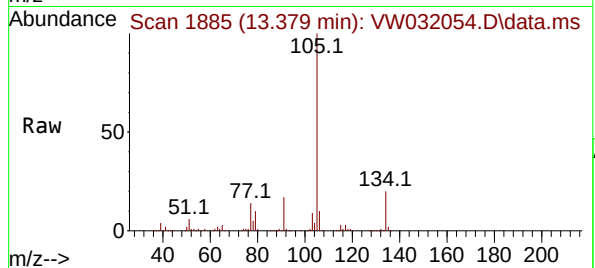
120 43.5 21.6 64.8





#85
sec-Butylbenzene
Concen: 20.547 ug/l
RT: 13.379 min Scan# 1885
Delta R.T. 0.000 min
Lab File: VW032054.D
Acq: 11 Aug 2025 09:47

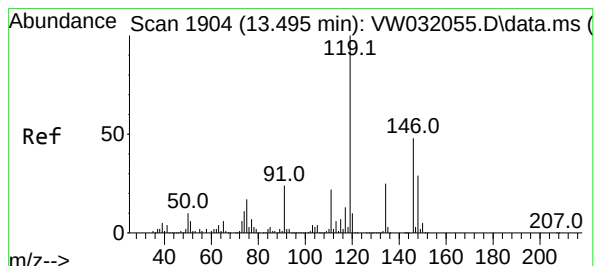
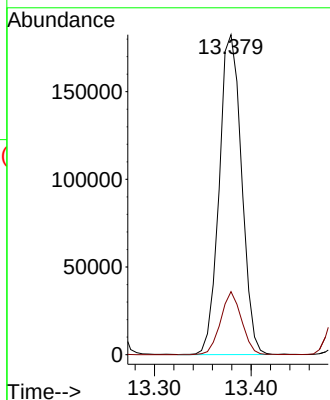
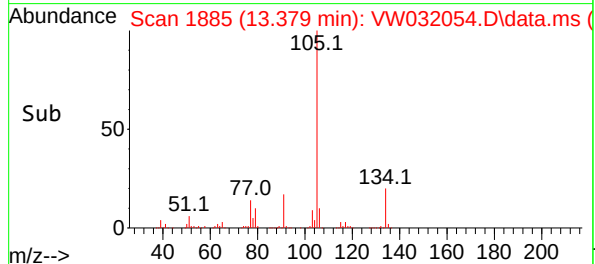
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020



Tgt Ion:105 Resp: 292689
Ion Ratio Lower Upper
105 100
134 18.5 9.9 29.7

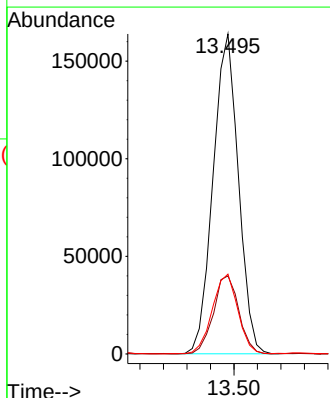
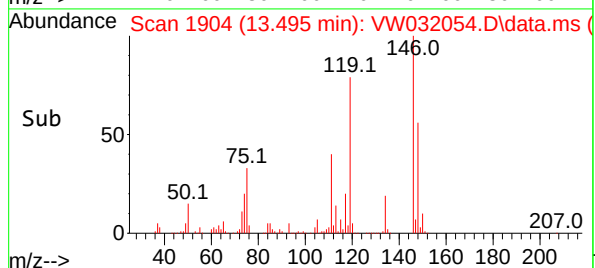
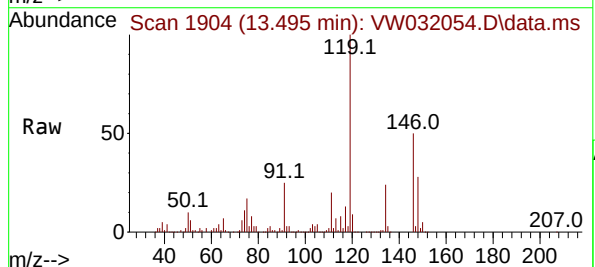
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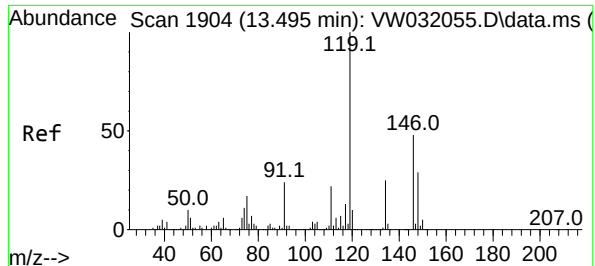
Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025



#86
p-Isopropyltoluene
Concen: 20.638 ug/l
RT: 13.495 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VW032054.D
Acq: 11 Aug 2025 09:47

Tgt Ion:119 Resp: 245081
Ion Ratio Lower Upper
119 100
134 24.5 12.4 37.0
91 25.1 12.1 36.3





#87

1,3-Dichlorobenzene

Concen: 20.282 ug/l

RT: 13.495 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VW032054.D

Acq: 11 Aug 2025 09:47

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tgt Ion:146 Resp: 12889

Ion Ratio Lower Upper

146 100

111 43.2 21.2 63.6

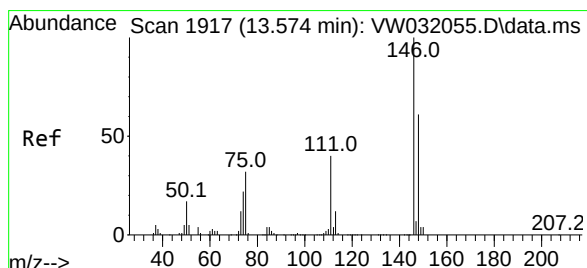
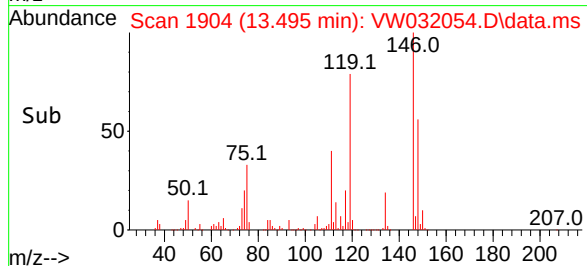
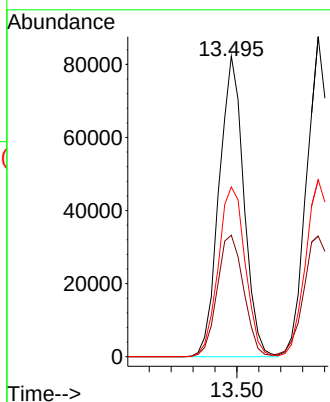
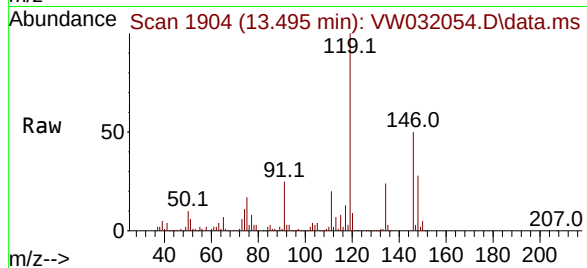
148 61.5 30.3 90.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025

Supervised By :Semsettin Yesilyurt 08/12/2025



#88

1,4-Dichlorobenzene

Concen: 20.724 ug/l

RT: 13.574 min Scan# 1917

Delta R.T. 0.000 min

Lab File: VW032054.D

Acq: 11 Aug 2025 09:47

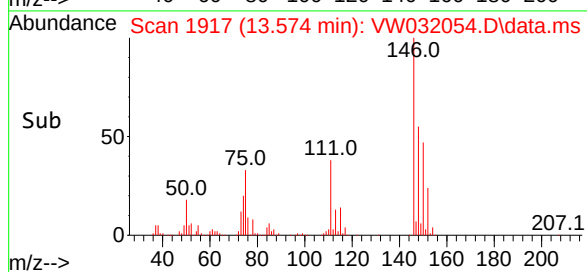
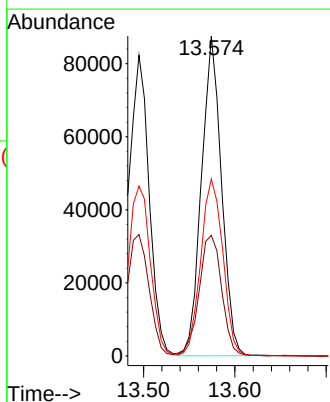
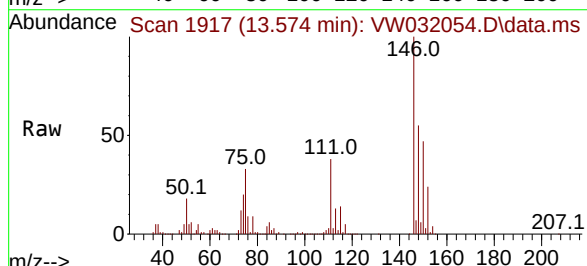
Tgt Ion:146 Resp: 133097

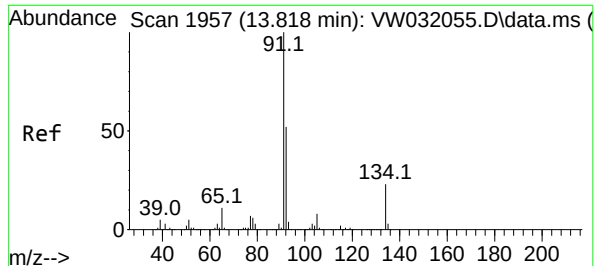
Ion Ratio Lower Upper

146 100

111 42.7 21.6 64.6

148 61.1 32.0 96.2





#89

n-Butylbenzene

Concen: 20.328 ug/l

RT: 13.818 min Scan# 1957

Delta R.T. 0.000 min

Lab File: VW032054.D

Acq: 11 Aug 2025 09:47

Instrument :

MSVOA_W

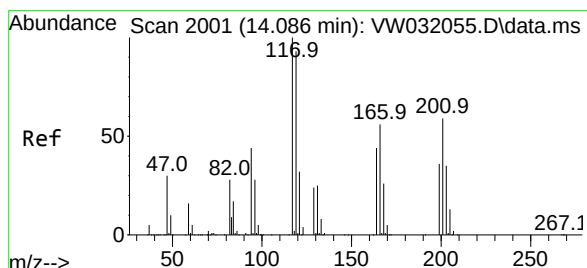
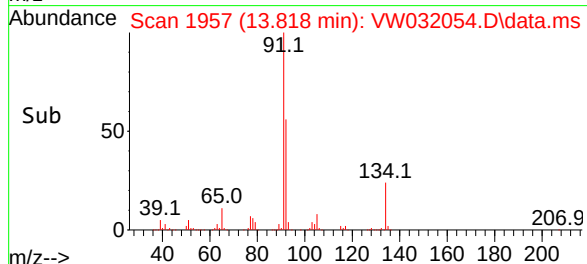
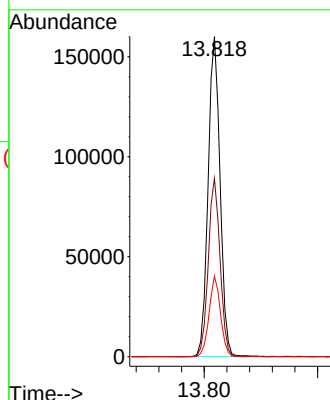
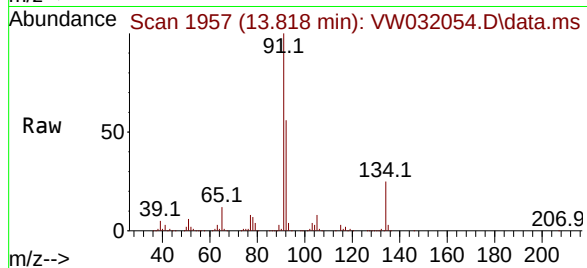
ClientSampleId :

VSTDIC020

Tgt Ion:	91	Resp:	23452
Ion Ratio	Lower	Upper	
91	100		
92	54.8	26.7	80.1
134	24.0	12.0	36.1

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025



#90

Hexachloroethane

Concen: 19.904 ug/l

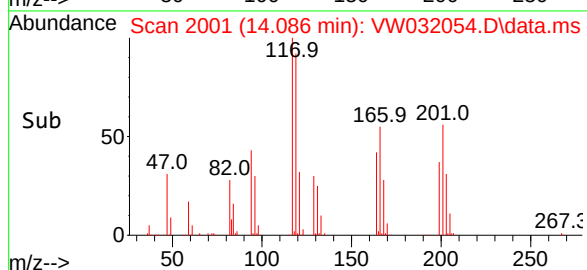
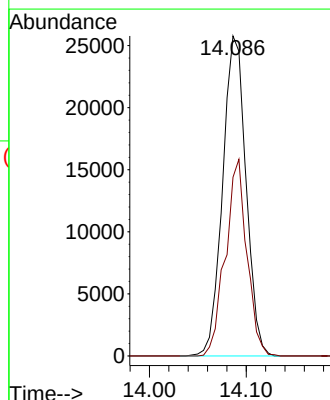
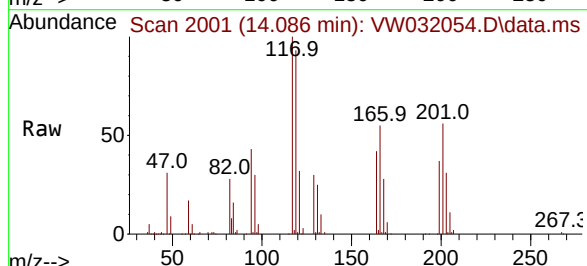
RT: 14.086 min Scan# 2001

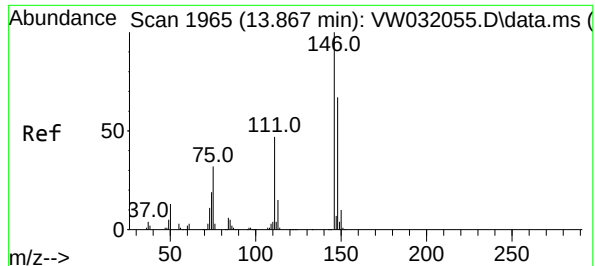
Delta R.T. 0.000 min

Lab File: VW032054.D

Acq: 11 Aug 2025 09:47

Tgt Ion:	117	Resp:	43226
Ion Ratio	Lower	Upper	
117	100		
201	56.5	30.9	92.5





#91

1,2-Dichlorobenzene

Concen: 19.812 ug/l

RT: 13.861 min Scan# 1964

Delta R.T. -0.006 min

Lab File: VW032054.D

Acq: 11 Aug 2025 09:47

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC020

Tgt Ion:146 Resp: 114050

Ion Ratio Lower Upper

146 100

111 46.8 23.1 69.3

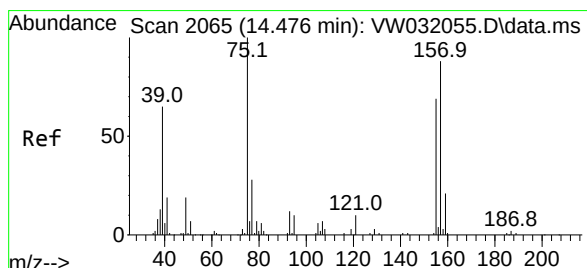
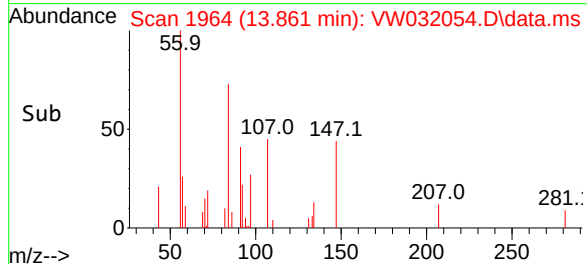
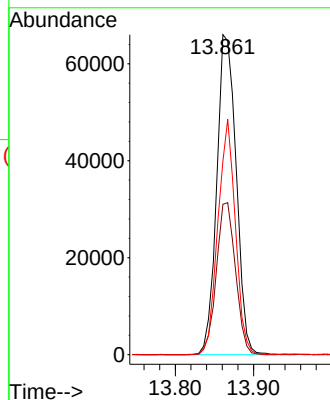
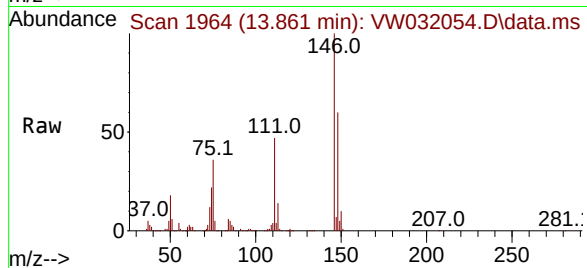
148 66.0 32.9 98.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025

Supervised By :Semsettin Yesilyurt 08/12/2025



#92

1,2-Dibromo-3-Chloropropane

Concen: 17.736 ug/l

RT: 14.476 min Scan# 2065

Delta R.T. 0.000 min

Lab File: VW032054.D

Acq: 11 Aug 2025 09:47

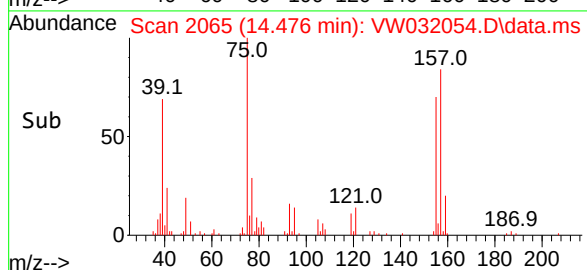
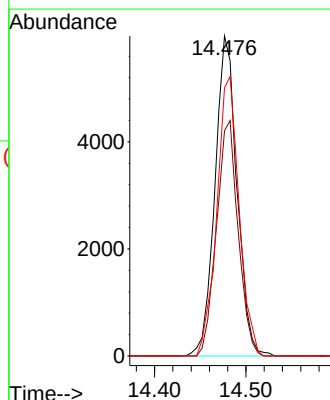
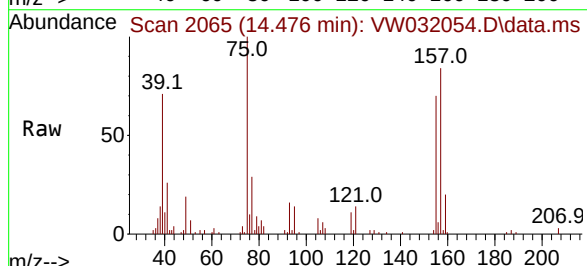
Tgt Ion: 75 Resp: 10011

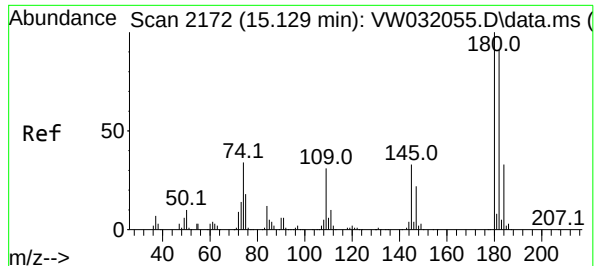
Ion Ratio Lower Upper

75 100

155 72.2 35.2 105.6

157 88.0 47.5 142.6





#93

1,2,4-Trichlorobenzene

Concen: 20.102 ug/l

RT: 15.123 min Scan# 2171

Delta R.T. -0.006 min

Lab File: VW032054.D

Acq: 11 Aug 2025 09:47

Instrument :

MSVOA_W

ClientSampleId :

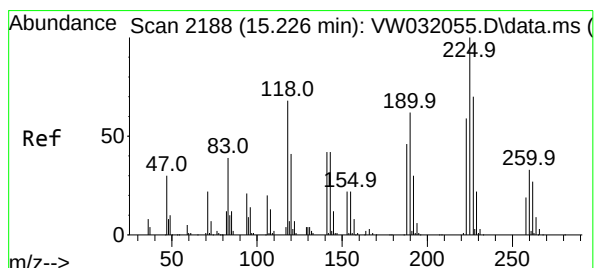
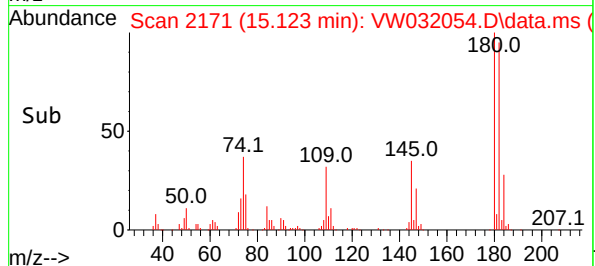
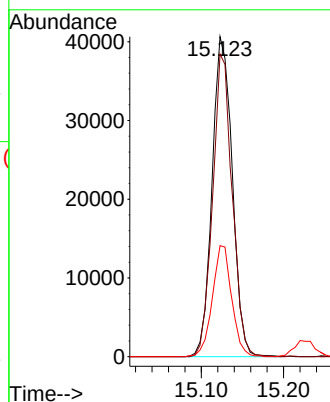
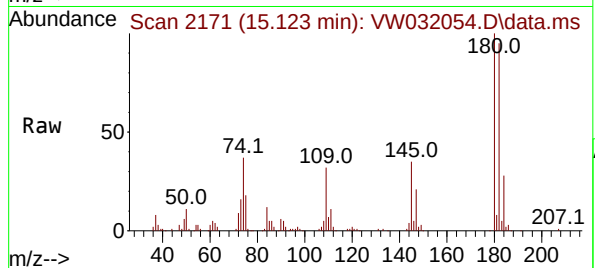
VSTDIC020

Tgt Ion:180	Resp: 69229
Ion Ratio	Lower Upper
180	100
182	91.7 49.0 147.0
145	33.4 17.3 51.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025



#94

Hexachlorobutadiene

Concen: 19.720 ug/l

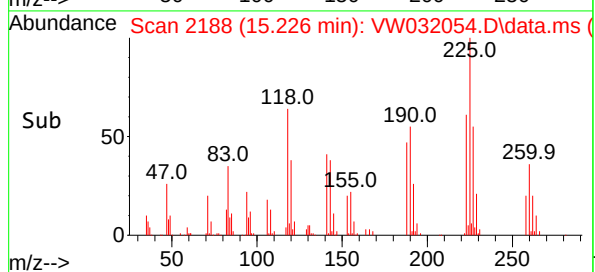
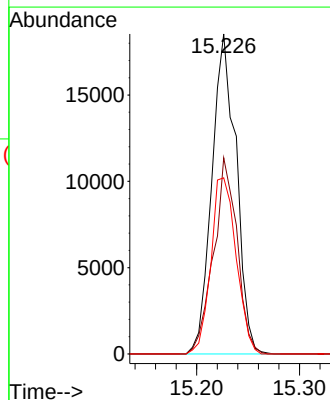
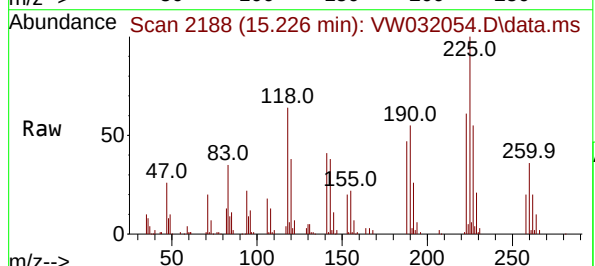
RT: 15.226 min Scan# 2188

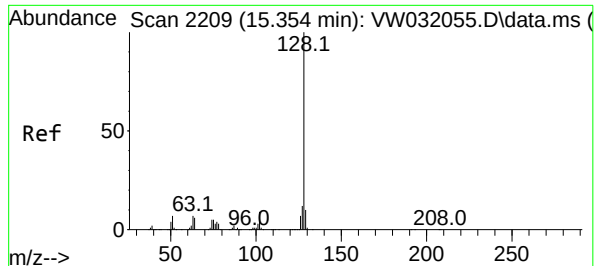
Delta R.T. 0.000 min

Lab File: VW032054.D

Acq: 11 Aug 2025 09:47

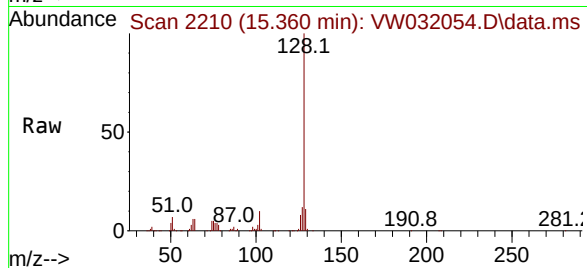
Tgt Ion:225	Resp: 30358
Ion Ratio	Lower Upper
225	100
223	59.4 31.8 95.3
227	57.4 33.5 100.5





#95
Naphthalene
Concen: 18.147 ug/l
RT: 15.360 min Scan# 21
Delta R.T. 0.006 min
Lab File: VW032054.D
Acq: 11 Aug 2025 09:47

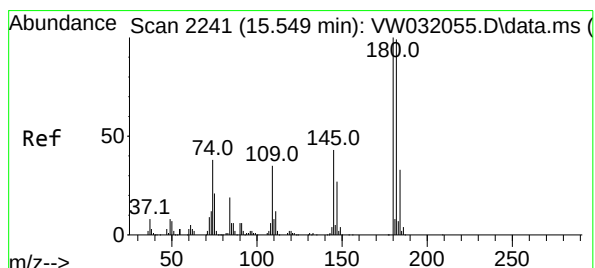
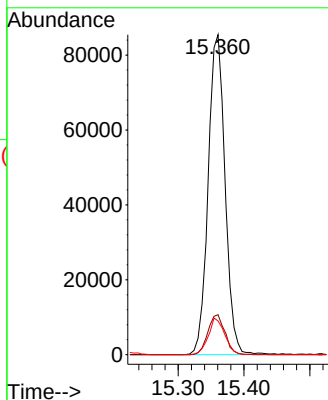
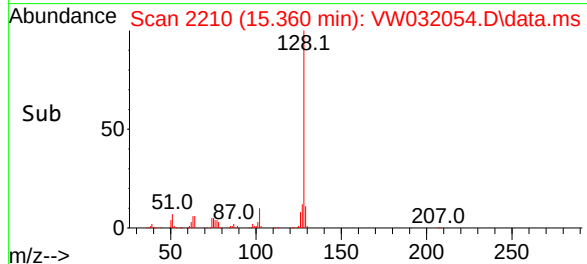
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020



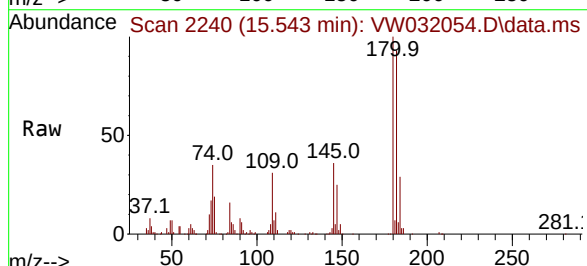
Tgt Ion:128 Resp: 15313
Ion Ratio Lower Upper
128 100
127 12.6 10.5 15.7
129 11.1 8.2 12.4

Manual Integrations
APPROVED

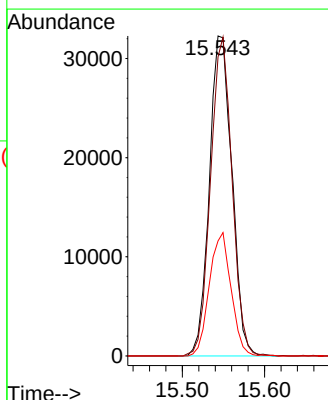
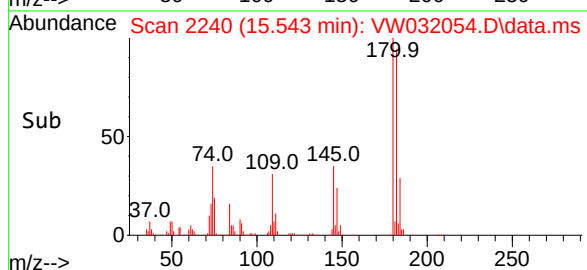
Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025



#96
1,2,3-Trichlorobenzene
Concen: 19.635 ug/l
RT: 15.543 min Scan# 2240
Delta R.T. -0.006 min
Lab File: VW032054.D
Acq: 11 Aug 2025 09:47



Tgt Ion:180 Resp: 61526
Ion Ratio Lower Upper
180 100
182 95.0 46.0 138.0
145 37.1 19.2 57.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081125\
 Data File : VW032055.D
 Acq On : 11 Aug 2025 10:09
 Operator : SY/MD
 Sample : VSTDICCC050
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Manual Integrations APPROVED

Reviewed By : Mahesh Dadoda 08/12/2025
 Supervised By : Semsettin Yesilyurt 08/12/2025

Quant Time: Aug 12 03:38:40 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 12 03:34:13 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.959	168	223324	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	406973	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	378090	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	178995	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	159972	49.529	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery =	99.060%		
35) Dibromofluoromethane	7.898	113	132195	50.279	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery =	100.560%		
50) Toluene-d8	10.325	98	506634	52.098	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery =	104.200%		
62) 4-Bromofluorobenzene	12.617	95	187331	52.274	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery =	104.540%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.040	85	75096	47.015	ug/l	100
3) Chloromethane	2.259	50	97719	45.418	ug/l	100
4) Vinyl Chloride	2.405	62	118378	45.486	ug/l	100
5) Bromomethane	2.820	94	91749	46.991	ug/l	100
6) Chloroethane	2.972	64	82045	47.641	ug/l	100
7) Trichlorofluoromethane	3.302	101	103706	49.743	ug/l	100
8) Diethyl Ether	3.722	74	84764	49.624	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.094	101	115526	46.968	ug/l	100
10) Methyl Iodide	4.307	142	167079	47.909	ug/l	100
11) Tert butyl alcohol	5.222	59	56322	269.294	ug/l	100
12) 1,1-Dichloroethene	4.082	96	128304	47.373	ug/l	100
13) Acrolein	3.930	56	78858	236.637	ug/l	100
14) Allyl chloride	4.704	41	192434	48.819	ug/l	100
15) Acrylonitrile	5.405	53	213941	262.963	ug/l	100
16) Acetone	4.161	43	182559	244.127	ug/l	100
17) Carbon Disulfide	4.423	76	347752	47.836	ug/l	100
18) Methyl Acetate	4.710	43	123902	52.361	ug/l	100
19) Methyl tert-butyl Ether	5.466	73	246045	51.560	ug/l	100
20) Methylene Chloride	4.960	84	152186	44.016	ug/l	100
21) trans-1,2-Dichloroethene	5.460	96	139994	48.707	ug/l	100
22) Diisopropyl ether	6.344	45	421731	50.751	ug/l	100
23) Vinyl Acetate	6.283	43	1450553	265.873	ug/l	100
24) 1,1-Dichloroethane	6.240	63	258279	48.646	ug/l	100
25) 2-Butanone	7.191	43	284711	267.883	ug/l	100
26) 2,2-Dichloropropane	7.191	77	129390	48.578	ug/l	100
27) cis-1,2-Dichloroethene	7.191	96	167240	49.779	ug/l	100
28) Bromochloromethane	7.533	49	121266	50.191	ug/l	100
29) Tetrahydrofuran	7.551	42	190719	272.100	ug/l	100
30) Chloroform	7.691	83	275905	49.018	ug/l	100
31) Cyclohexane	7.971	56	214597	46.622	ug/l	100
32) 1,1,1-Trichloroethane	7.886	97	194676	47.617	ug/l	100
36) 1,1-Dichloropropene	8.099	75	190046	51.274	ug/l	100
37) Ethyl Acetate	7.276	43	119689	54.829	ug/l	100
38) Carbon Tetrachloride	8.087	117	182422	51.000	ug/l	100
39) Methylcyclohexane	9.343	83	235341	52.093	ug/l	100
40) Benzene	8.337	78	597760	51.883	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081125\
 Data File : VW032055.D
 Acq On : 11 Aug 2025 10:09
 Operator : SY/MD
 Sample : VSTDICCC050
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025
 Supervised By :Semsettin Yesilyurt 08/12/2025

Quant Time: Aug 12 03:38:40 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 12 03:34:13 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.496	41	68136	55.039	ug/l	100
42) 1,2-Dichloroethane	8.410	62	189755	51.471	ug/l	100
43) Isopropyl Acetate	8.435	43	219064	54.544	ug/l	100
44) Trichloroethene	9.099	130	137910	50.264	ug/l	100
45) 1,2-Dichloropropane	9.374	63	143446	51.537	ug/l	100
46) Dibromomethane	9.465	93	93001	51.770	ug/l	100
47) Bromodichloromethane	9.654	83	216521	52.307	ug/l	100
48) Methyl methacrylate	9.441	41	108287	55.849	ug/l	100
49) 1,4-Dioxane	9.465	88	26579	1144.321	ug/l	100
51) 4-Methyl-2-Pentanone	10.215	43	635174	280.194	ug/l	100
52) Toluene	10.392	92	379230	52.258	ug/l	100
53) t-1,3-Dichloropropene	10.611	75	209555	54.035	ug/l	100
54) cis-1,3-Dichloropropene	10.075	75	236454	53.744	ug/l	100
55) 1,1,2-Trichloroethane	10.788	97	124341	52.088	ug/l	100
56) Ethyl methacrylate	10.648	69	178974	56.027	ug/l	100
57) 1,3-Dichloropropane	10.934	76	216719	52.084	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.928	63	490522	277.613	ug/l	100
59) 2-Hexanone	10.971	43	447423	284.986	ug/l	100
60) Dibromochloromethane	11.129	129	142234	52.161	ug/l	100
61) 1,2-Dibromoethane	11.233	107	121625	52.430	ug/l	100
64) Tetrachloroethene	10.867	164	105400	48.263	ug/l	100
65) Chlorobenzene	11.654	112	403926	49.082	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.727	131	128215	49.935	ug/l	100
67) Ethyl Benzene	11.727	91	706877	50.709	ug/l	100
68) m/p-Xylenes	11.837	106	552442	102.704	ug/l	100
69) o-Xylene	12.166	106	257591	51.812	ug/l	100
70) Styrene	12.178	104	457949	51.858	ug/l	100
71) Bromoform	12.349	173	77959	53.078	ug/l #	100
73) Isopropylbenzene	12.465	105	654522	52.323	ug/l	100
74) N-amyl acetate	12.269	43	199256	55.520	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.708	83	156076	52.549	ug/l	100
76) 1,2,3-Trichloropropane	12.763	75	137632m	50.019	ug/l	
77) Bromobenzene	12.745	156	156335	52.326	ug/l	100
78) n-propylbenzene	12.800	91	805515	52.304	ug/l	100
79) 2-Chlorotoluene	12.891	91	490665	51.622	ug/l	100
80) 1,3,5-Trimethylbenzene	12.940	105	555481	52.305	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.507	75	51811	55.213	ug/l	100
82) 4-Chlorotoluene	12.983	91	519957	51.488	ug/l	100
83) tert-Butylbenzene	13.202	119	462373	52.460	ug/l	100
84) 1,2,4-Trimethylbenzene	13.245	105	572429	52.950	ug/l	100
85) sec-Butylbenzene	13.379	105	690647	51.829	ug/l	100
86) p-Isopropyltoluene	13.495	119	589769	53.089	ug/l	100
87) 1,3-Dichlorobenzene	13.495	146	313624	52.754	ug/l	100
88) 1,4-Dichlorobenzene	13.574	146	299453	49.844	ug/l	100
89) n-Butylbenzene	13.818	91	569364	52.756	ug/l	100
90) Hexachloroethane	14.086	117	101464	49.942	ug/l	100
91) 1,2-Dichlorobenzene	13.867	146	273581	50.801	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.476	75	28437	53.857	ug/l	100
93) 1,2,4-Trichlorobenzene	15.129	180	164726	51.132	ug/l	100
94) Hexachlorobutadiene	15.226	225	68983	47.902	ug/l	100
95) Naphthalene	15.354	128	434944	55.099	ug/l	100
96) 1,2,3-Trichlorobenzene	15.549	180	149556	51.022	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081125\
Data File : VW032055.D
Acq On : 11 Aug 2025 10:09
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025

Quant Time: Aug 12 03:38:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 12 03:34:13 2025
Response via : Initial Calibration

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

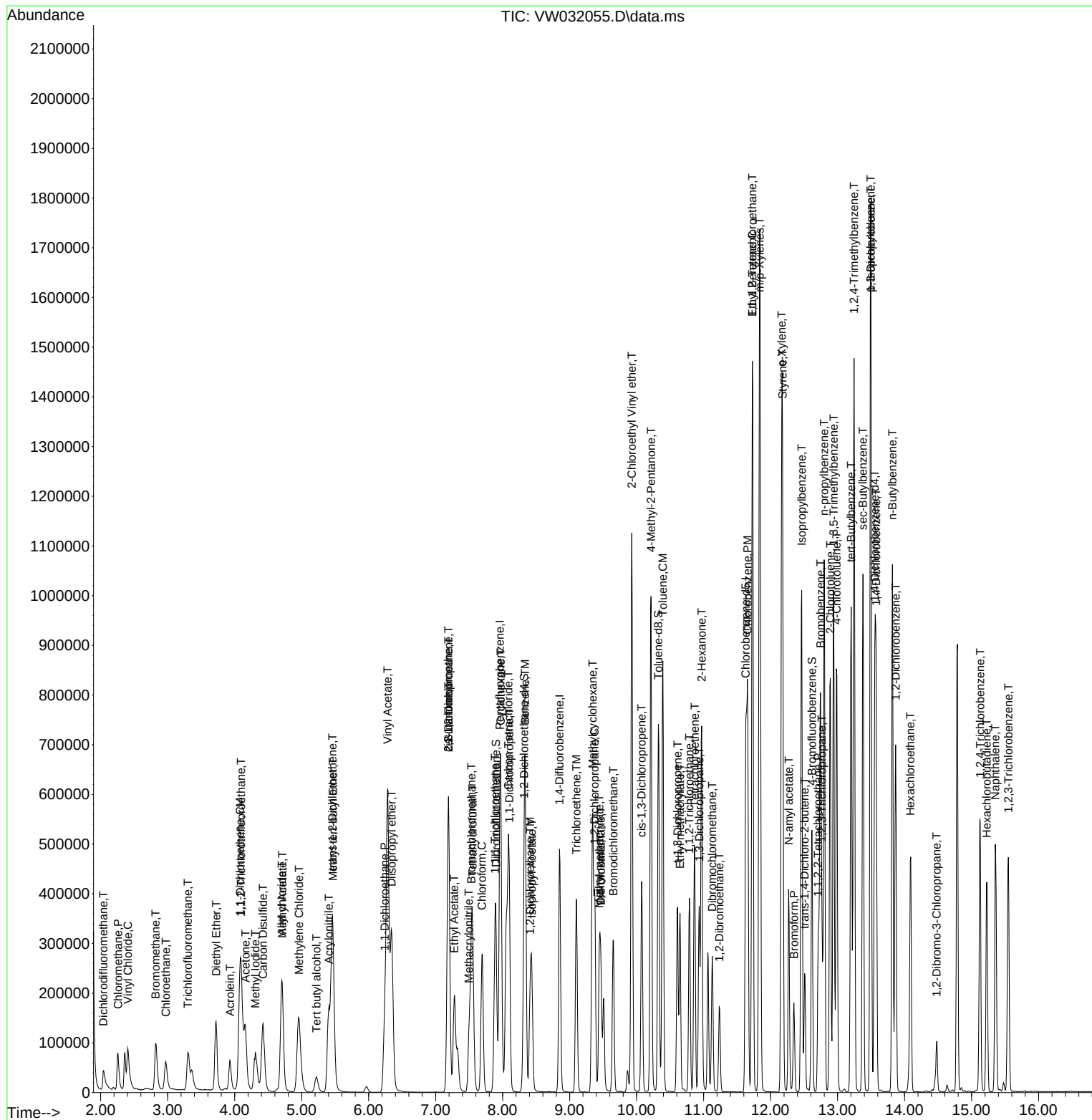
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081125\
 Data File : VW032055.D
 Acq On : 11 Aug 2025 10:09
 Operator : SY/MD
 Sample : VSTDICCC050
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

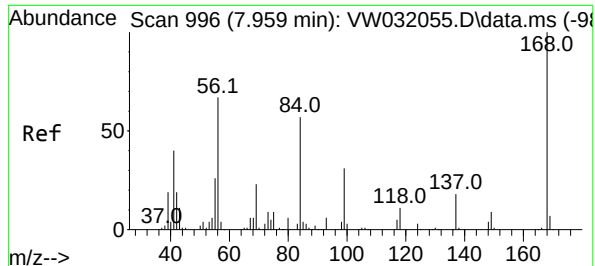
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Quant Time: Aug 12 03:38:40 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 12 03:34:13 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

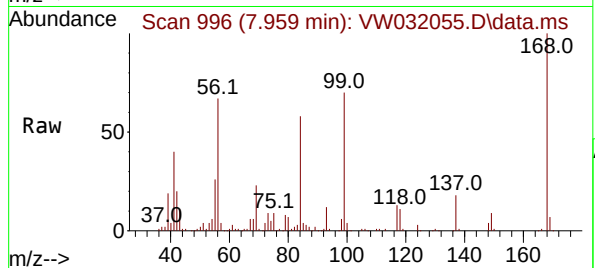
Reviewed By :Mahesh Dadoda 08/12/2025
 Supervised By :Semsettin Yesilyurt 08/12/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 996
Delta R.T. 0.000 min
Lab File: VW032055.D
Acq: 11 Aug 2025 10:09

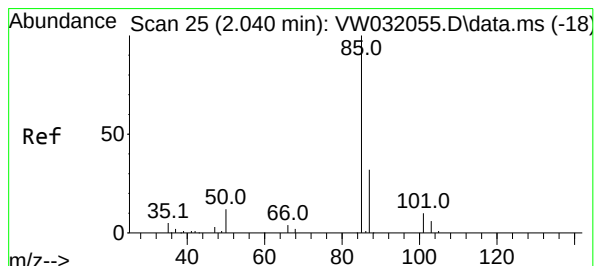
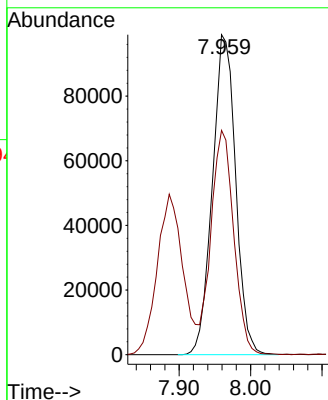
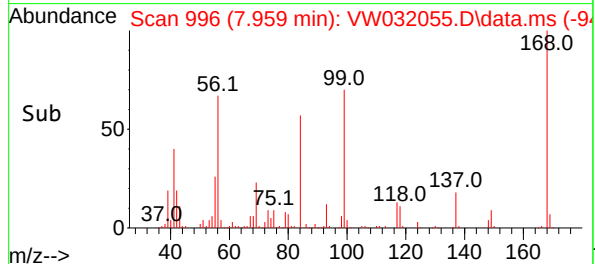
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050



Tgt Ion:168 Resp: 223324
Ion Ratio Lower Upper
168 100
99 70.0 56.0 84.0

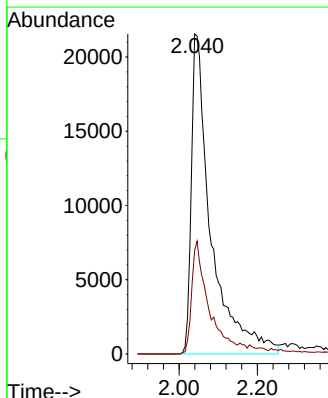
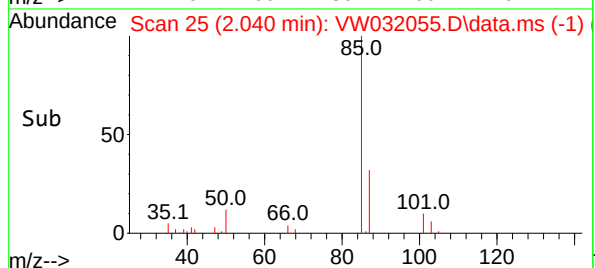
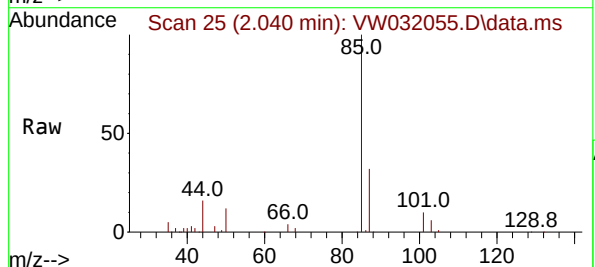
Manual Integrations
APPROVED

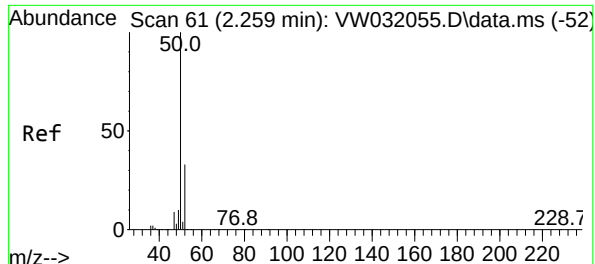
Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025



#2
Dichlorodifluoromethane
Concen: 47.015 ug/l
RT: 2.040 min Scan# 25
Delta R.T. 0.000 min
Lab File: VW032055.D
Acq: 11 Aug 2025 10:09

Tgt Ion: 85 Resp: 75096
Ion Ratio Lower Upper
85 100
87 32.4 16.2 48.6





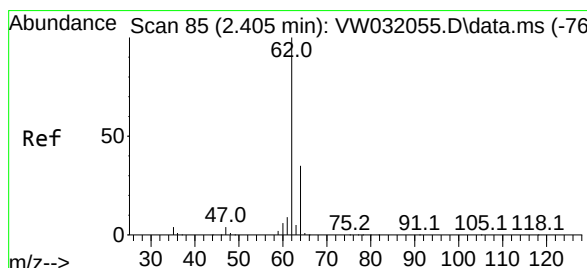
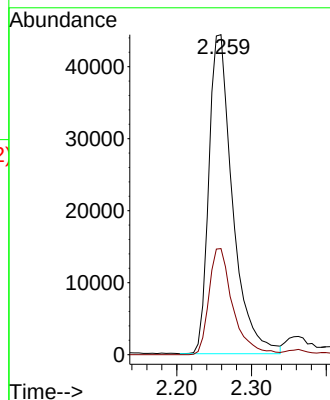
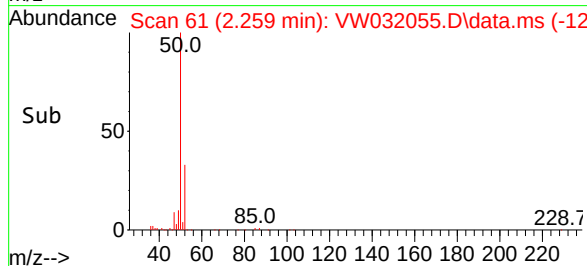
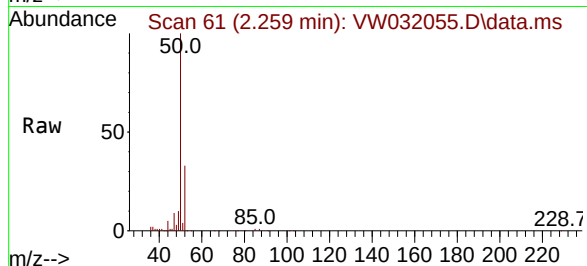
#3
Chloromethane
Concen: 45.418 ug/l
RT: 2.259 min Scan# 61
Delta R.T. 0.000 min
Lab File: VW032055.D
Acq: 11 Aug 2025 10:09

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion: 50 Resp: 97719
Ion Ratio Lower Upper
50 100
52 33.2 26.6 39.8

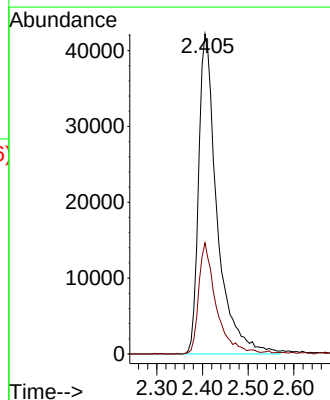
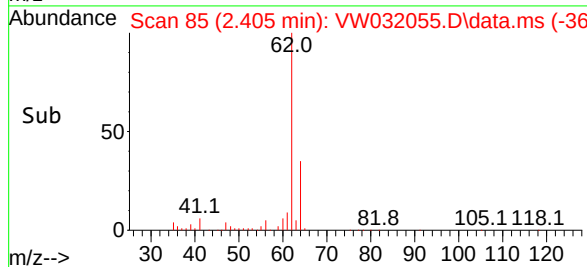
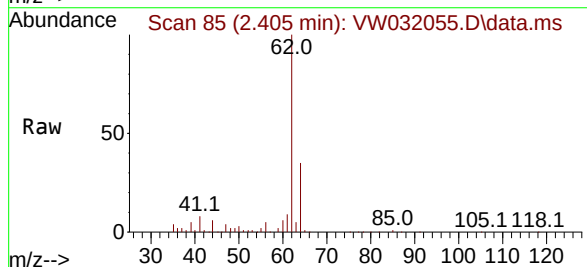
Manual Integrations
APPROVED

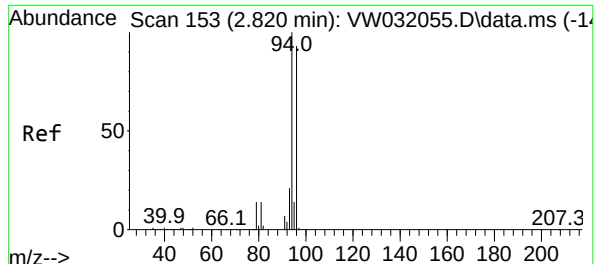
Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025



#4
Vinyl Chloride
Concen: 45.486 ug/l
RT: 2.405 min Scan# 85
Delta R.T. 0.000 min
Lab File: VW032055.D
Acq: 11 Aug 2025 10:09

Tgt Ion: 62 Resp: 118378
Ion Ratio Lower Upper
62 100
64 34.7 27.8 41.6





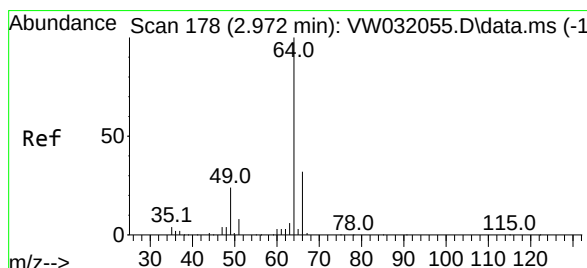
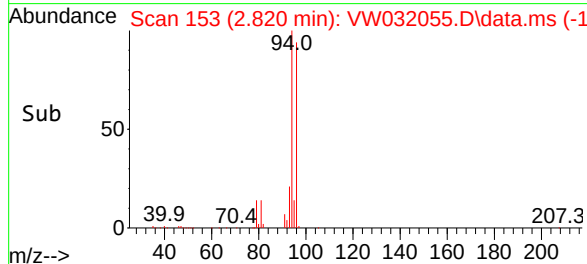
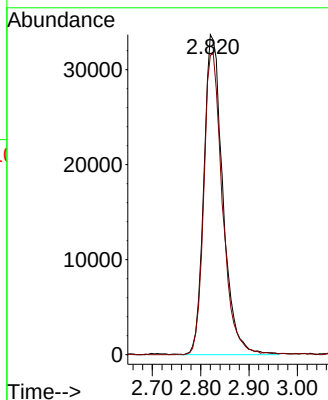
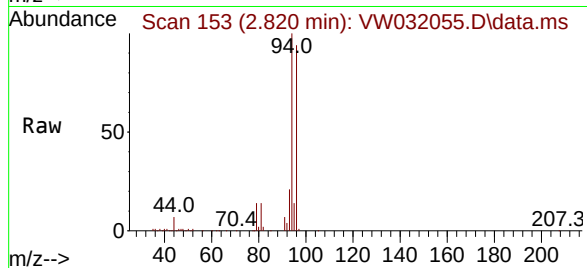
#5
Bromomethane
Concen: 46.991 ug/l
RT: 2.820 min Scan# 153
Delta R.T. 0.000 min
Lab File: VW032055.D
Acq: 11 Aug 2025 10:09

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion: 94 Resp: 91749
Ion Ratio Lower Upper
94 100
96 93.4 74.7 112.1

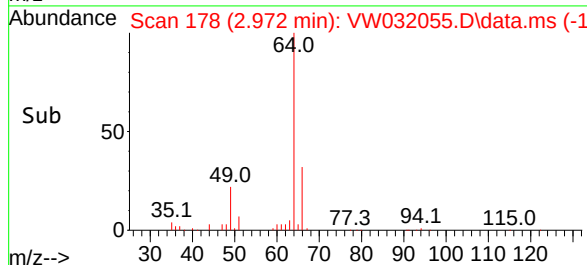
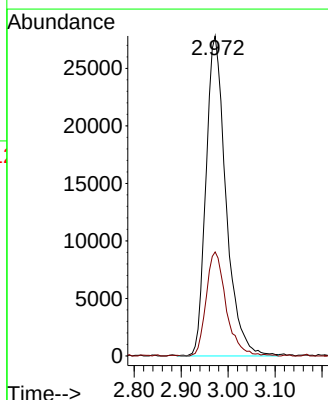
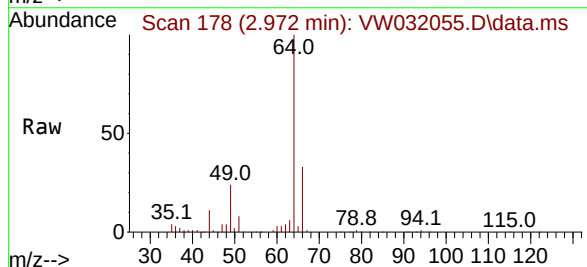
Manual Integrations
APPROVED

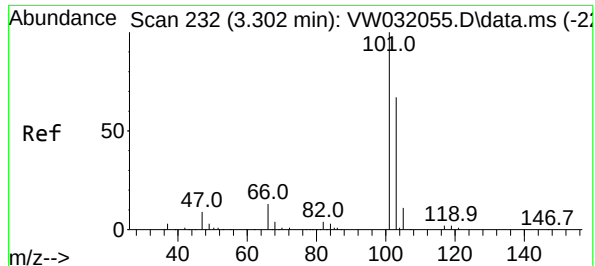
Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025



#6
Chloroethane
Concen: 47.641 ug/l
RT: 2.972 min Scan# 178
Delta R.T. 0.000 min
Lab File: VW032055.D
Acq: 11 Aug 2025 10:09

Tgt Ion: 64 Resp: 82045
Ion Ratio Lower Upper
64 100
66 32.5 26.0 39.0





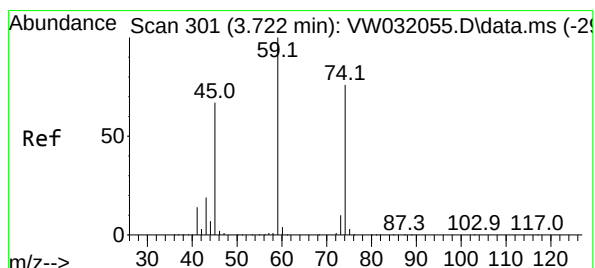
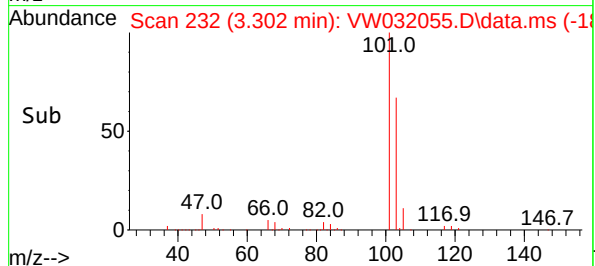
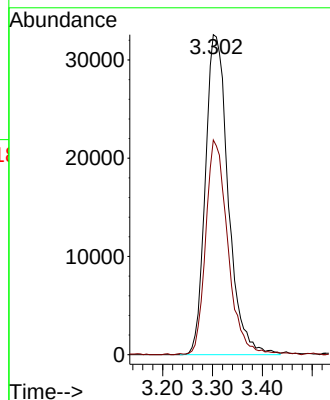
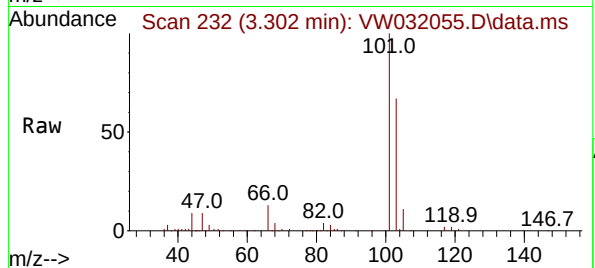
#7
Trichlorofluoromethane
Concen: 49.743 ug/l
RT: 3.302 min Scan# 232
Delta R.T. 0.000 min
Lab File: VW032055.D
Acq: 11 Aug 2025 10:09

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion:101 Resp: 103700
Ion Ratio Lower Upper
101 100
103 66.7 53.4 80.0

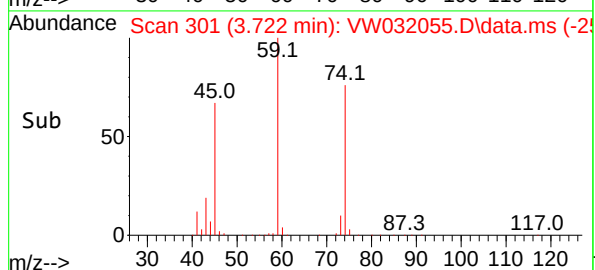
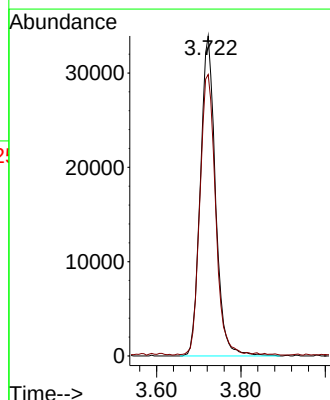
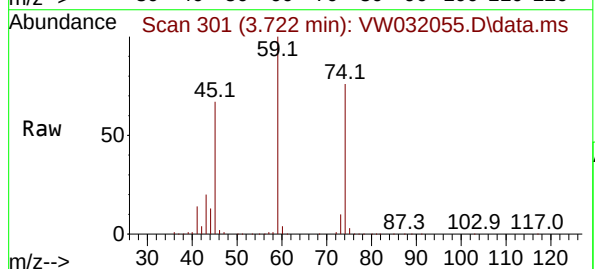
Manual Integrations
APPROVED

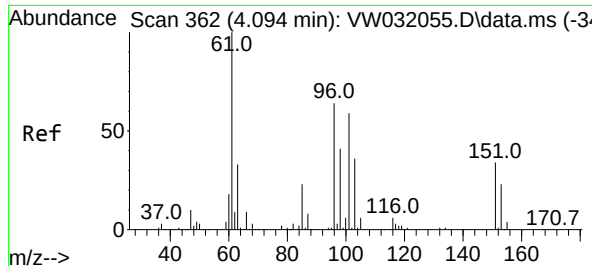
Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025



#8
Diethyl Ether
Concen: 49.624 ug/l
RT: 3.722 min Scan# 301
Delta R.T. 0.000 min
Lab File: VW032055.D
Acq: 11 Aug 2025 10:09

Tgt Ion: 74 Resp: 84764
Ion Ratio Lower Upper
74 100
45 90.8 45.4 136.2





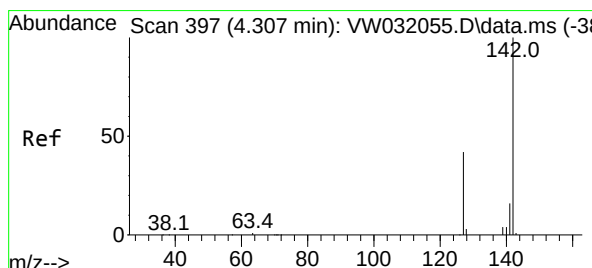
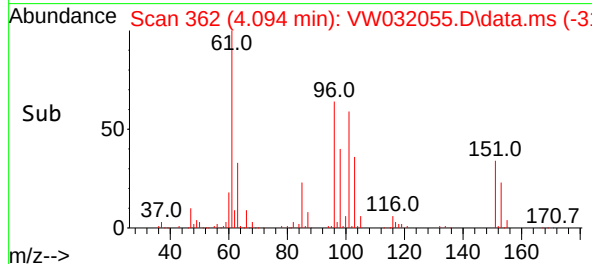
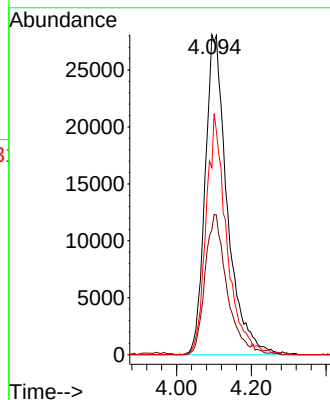
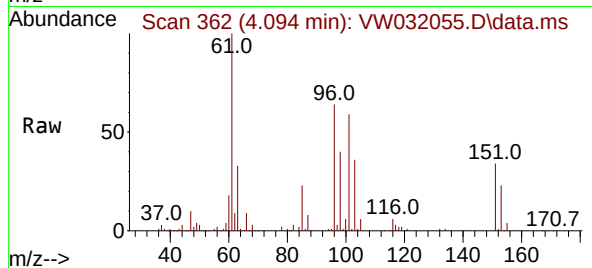
#9
1,1,2-Trichlorotrifluoroethane
Concen: 46.968 ug/l
RT: 4.094 min Scan# 362
Delta R.T. 0.000 min
Lab File: VW032055.D
Acq: 11 Aug 2025 10:09

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion:101 Resp: 115520
Ion Ratio Lower Upper
101 100
85 43.6 34.9 52.3
151 70.3 56.2 84.4

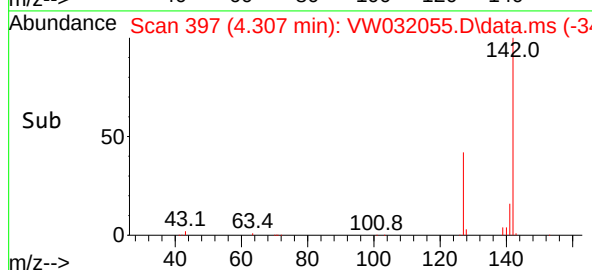
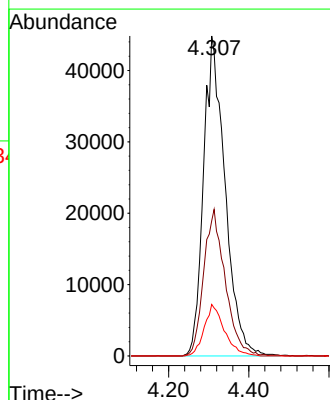
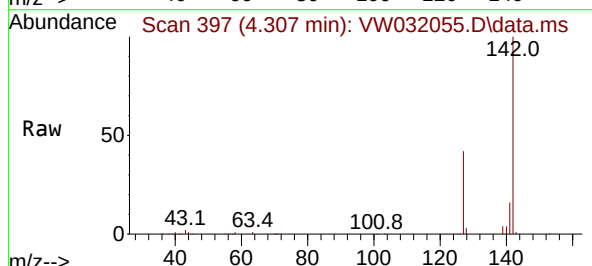
Manual Integrations
APPROVED

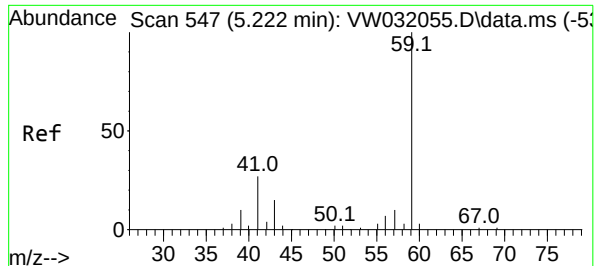
Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025



#10
Methyl Iodide
Concen: 47.909 ug/l
RT: 4.307 min Scan# 397
Delta R.T. 0.000 min
Lab File: VW032055.D
Acq: 11 Aug 2025 10:09

Tgt Ion:142 Resp: 167079
Ion Ratio Lower Upper
142 100
127 45.8 36.6 55.0
141 15.1 12.1 18.1





#11

Tert butyl alcohol

Concen: 269.294 ug/l

RT: 5.222 min Scan# 547

Delta R.T. 0.000 min

Lab File: VW032055.D

Acq: 11 Aug 2025 10:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tgt Ion: 59 Resp: 5632

Ion Ratio Lower Upper

59 100

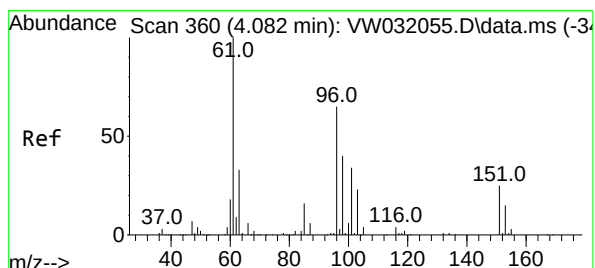
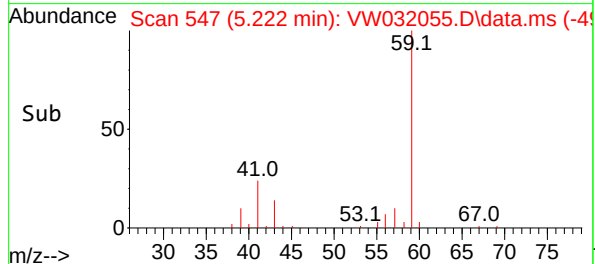
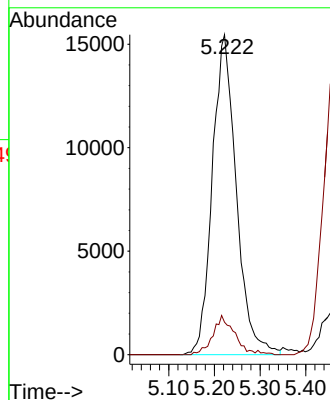
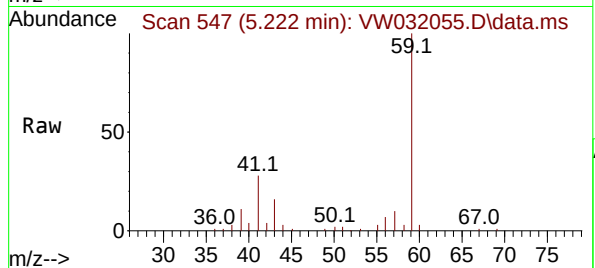
57 10.9 8.7 13.1

Manual Integrations

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Reviewed By :Mahesh Dadoda 08/12/2025

Supervised By :Semsettin Yesilyurt 08/12/2025



#12

1,1-Dichloroethene

Concen: 47.373 ug/l

RT: 4.082 min Scan# 360

Delta R.T. 0.000 min

Lab File: VW032055.D

Acq: 11 Aug 2025 10:09

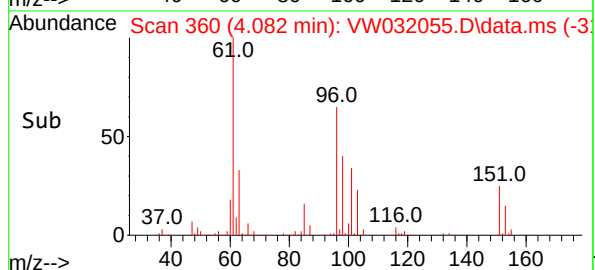
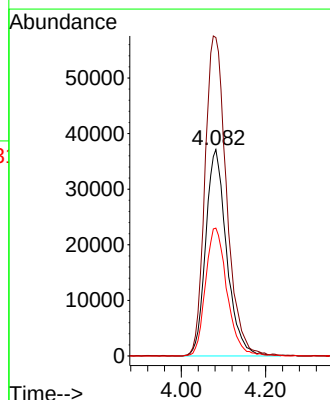
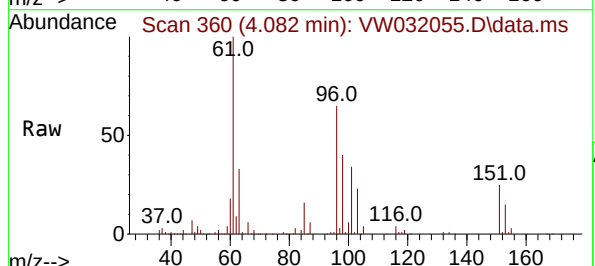
Tgt Ion: 96 Resp: 128304

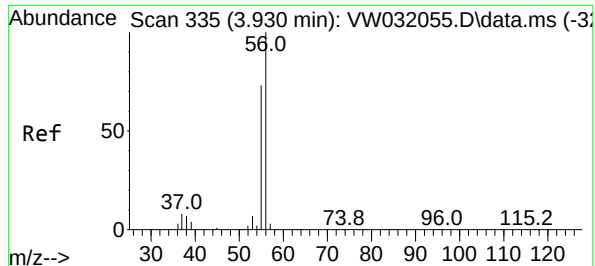
Ion Ratio Lower Upper

96 100

61 154.3 123.4 185.2

98 61.9 49.5 74.3





#13

Acrolein

Concen: 236.637 ug/l

RT: 3.930 min Scan# 335

Delta R.T. 0.000 min

Lab File: VW032055.D

Acq: 11 Aug 2025 10:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tgt Ion: 56 Resp: 7885

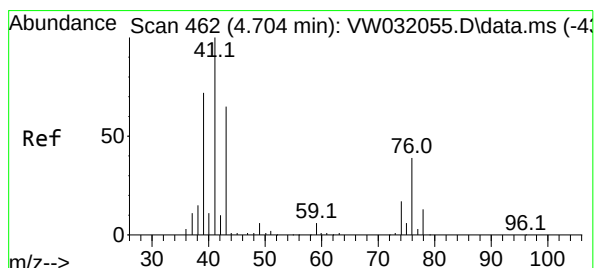
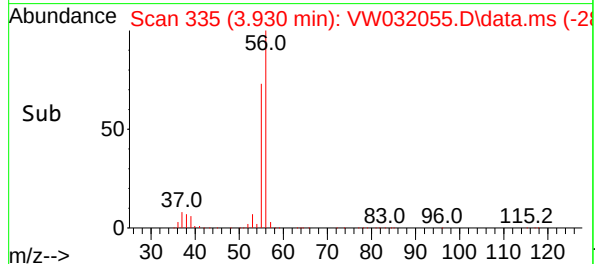
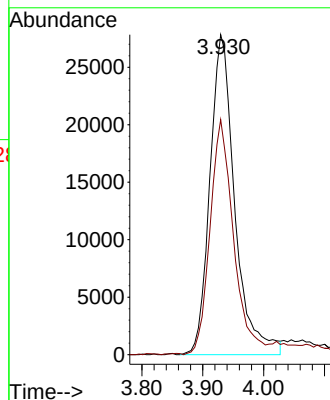
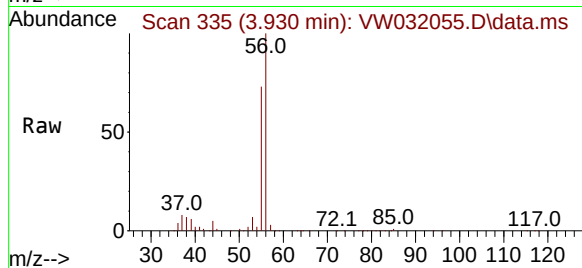
Ion Ratio Lower Upper

56 100

55 69.3 55.4 83.2

Manual Integrations

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Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025

#14

Allyl chloride

Concen: 48.819 ug/l

RT: 4.704 min Scan# 462

Delta R.T. 0.000 min

Lab File: VW032055.D

Acq: 11 Aug 2025 10:09

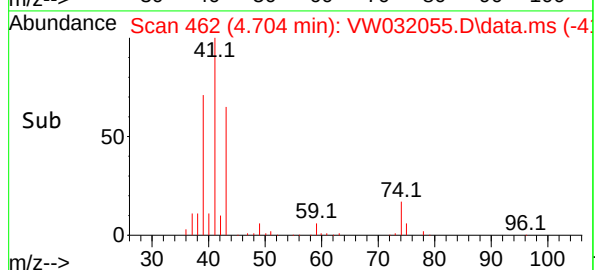
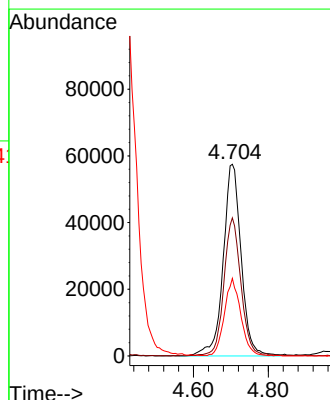
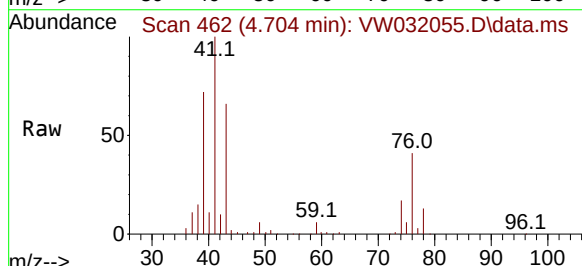
Tgt Ion: 41 Resp: 192434

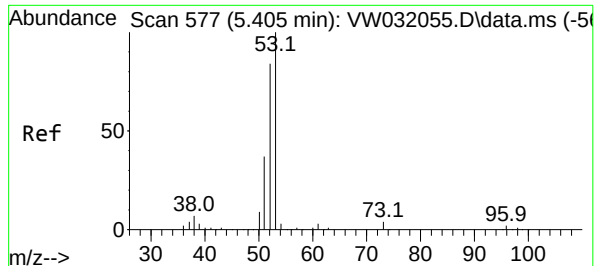
Ion Ratio Lower Upper

41 100

39 68.1 54.5 81.7

76 36.6 29.3 43.9





#15

Acrylonitrile

Concen: 262.963 ug/l

RT: 5.405 min Scan# 51

Delta R.T. 0.000 min

Lab File: VW032055.D

Acq: 11 Aug 2025 10:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tgt Ion: 53 Resp: 21394

Ion Ratio Lower Upper

53 100

52 82.6 66.1 99.1

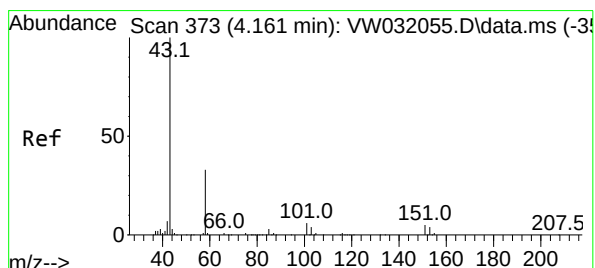
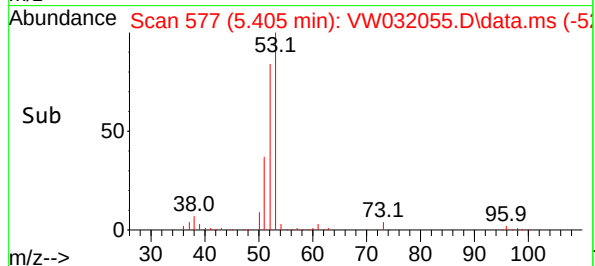
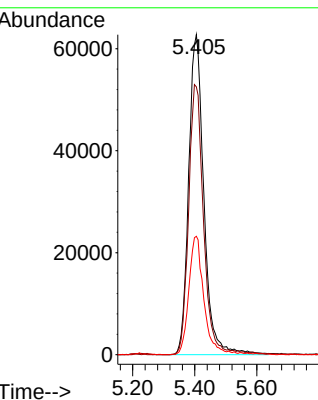
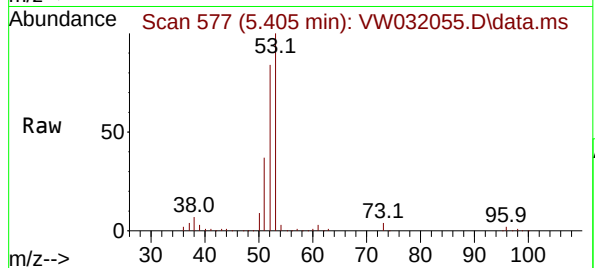
51 36.5 29.2 43.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025

Supervised By :Semsettin Yesilyurt 08/12/2025



#16

Acetone

Concen: 244.127 ug/l

RT: 4.161 min Scan# 373

Delta R.T. 0.000 min

Lab File: VW032055.D

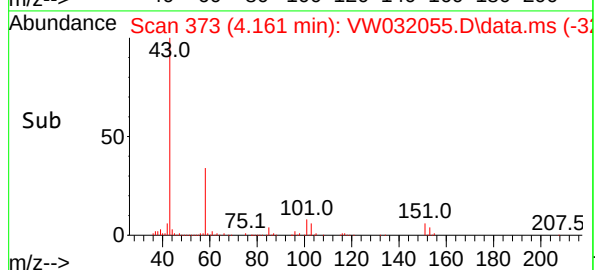
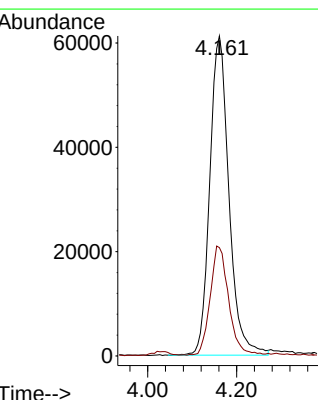
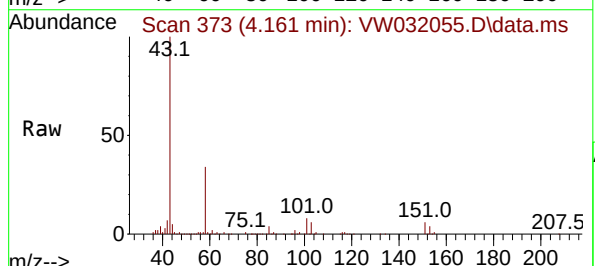
Acq: 11 Aug 2025 10:09

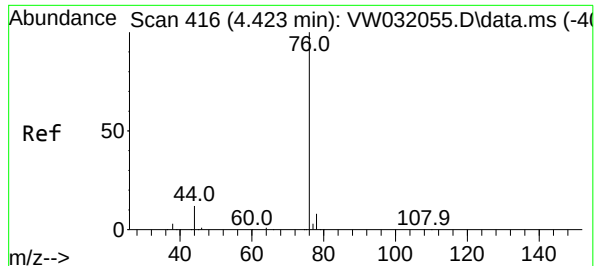
Tgt Ion: 43 Resp: 182559

Ion Ratio Lower Upper

43 100

58 33.2 26.6 39.8





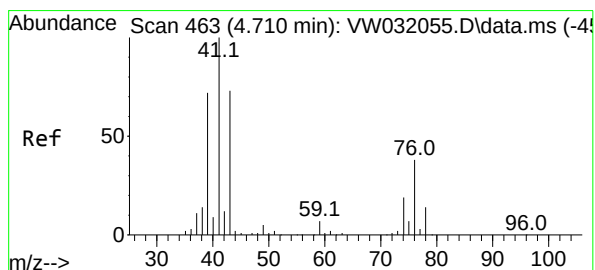
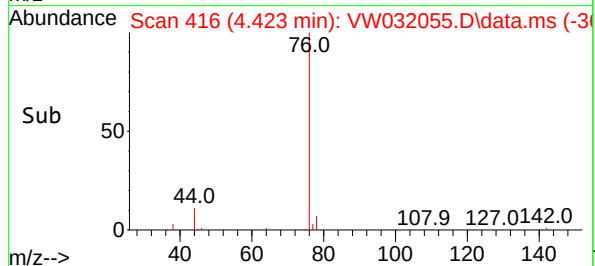
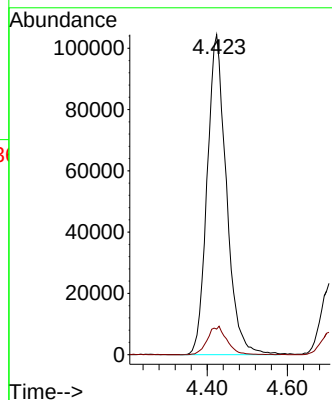
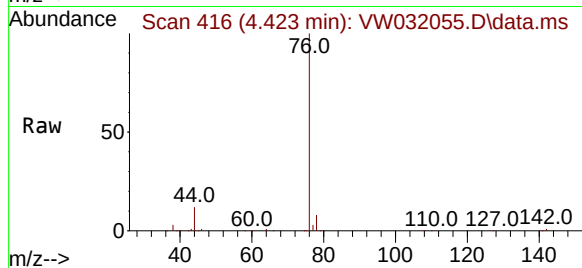
#17
Carbon Disulfide
Concen: 47.836 ug/l
RT: 4.423 min Scan# 416
Delta R.T. 0.000 min
Lab File: VW032055.D
Acq: 11 Aug 2025 10:09

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion: 76 Resp: 347752
Ion Ratio Lower Upper
76 100
78 8.0 6.4 9.6

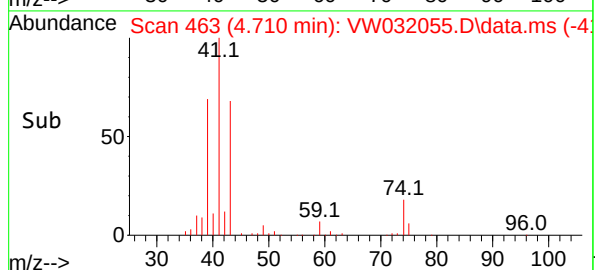
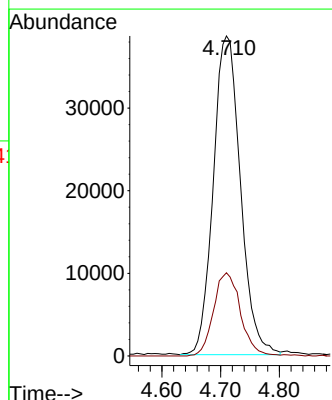
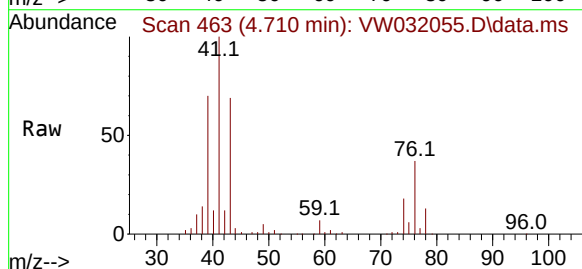
Manual Integrations
APPROVED

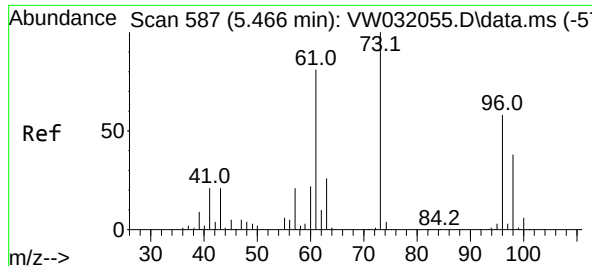
Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025



#18
Methyl Acetate
Concen: 52.361 ug/l
RT: 4.710 min Scan# 463
Delta R.T. 0.000 min
Lab File: VW032055.D
Acq: 11 Aug 2025 10:09

Tgt Ion: 43 Resp: 123902
Ion Ratio Lower Upper
43 100
74 25.8 20.6 31.0





#19

Methyl tert-butyl Ether

Concen: 51.560 ug/l

RT: 5.466 min Scan# 587

Delta R.T. 0.000 min

Lab File: VW032055.D

Acq: 11 Aug 2025 10:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tgt Ion: 73 Resp: 24604

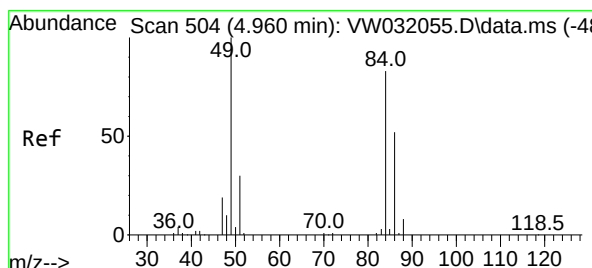
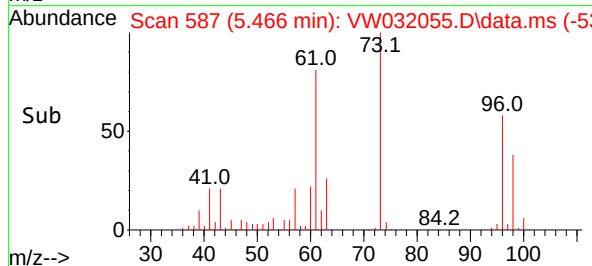
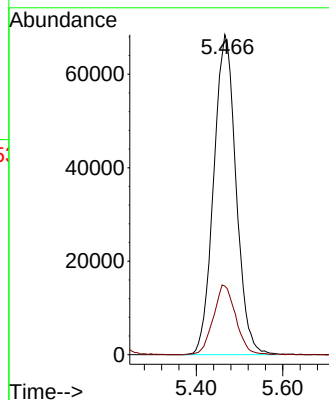
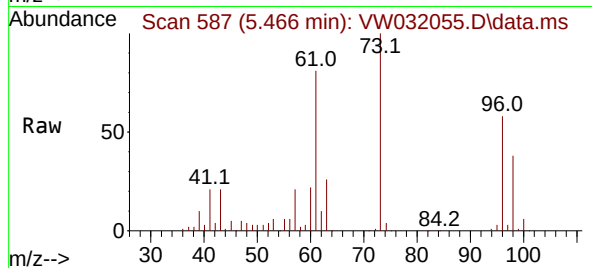
Ion Ratio Lower Upper

73 100

57 21.5 17.2 25.8

Manual Integrations

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Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025

#20

Methylene Chloride

Concen: 44.016 ug/l

RT: 4.960 min Scan# 504

Delta R.T. 0.000 min

Lab File: VW032055.D

Acq: 11 Aug 2025 10:09

Tgt Ion: 84 Resp: 152186

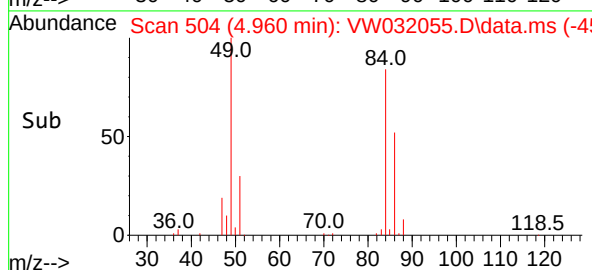
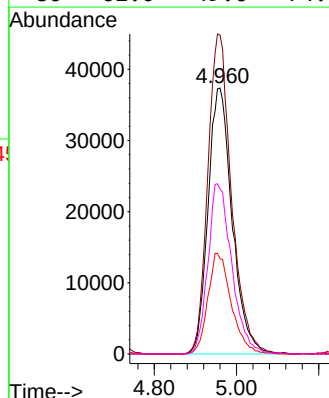
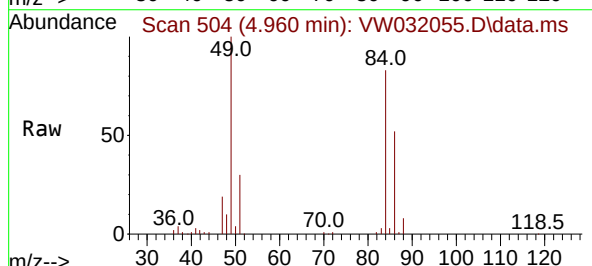
Ion Ratio Lower Upper

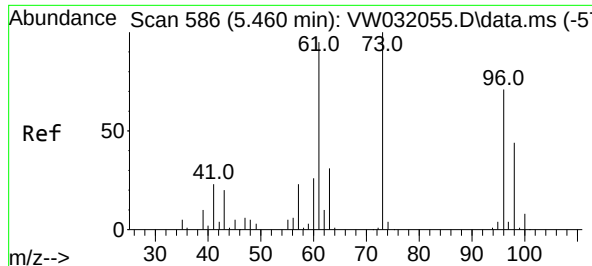
84 100

49 119.9 95.9 143.9

51 35.8 28.6 43.0

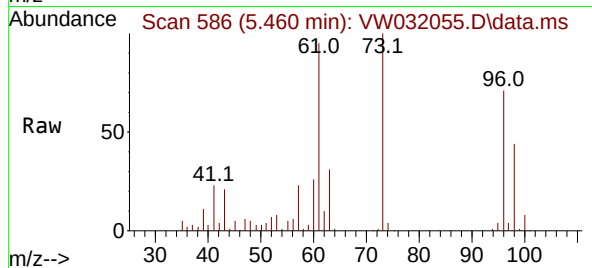
86 62.0 49.6 74.4





#21
trans-1,2-Dichloroethene
Concen: 48.707 ug/l
RT: 5.460 min Scan# 586
Delta R.T. 0.000 min
Lab File: VW032055.D
Acq: 11 Aug 2025 10:09

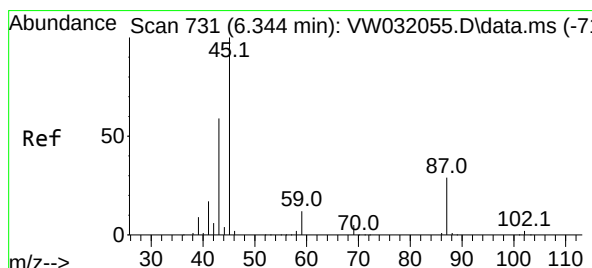
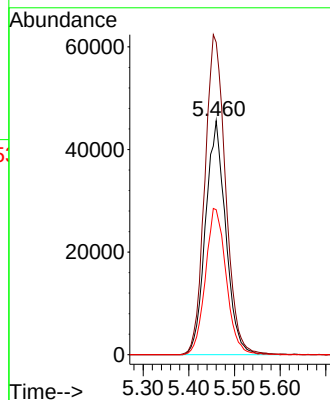
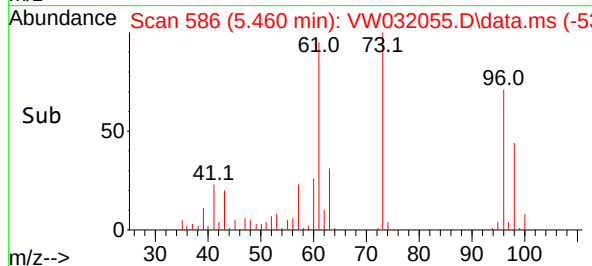
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050



Tgt Ion: 96 Resp: 139994
Ion Ratio Lower Upper
96 100
61 133.5 106.8 160.2
98 62.0 49.6 74.4

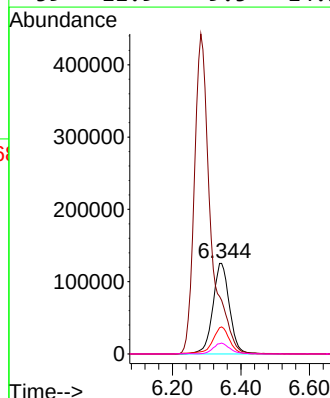
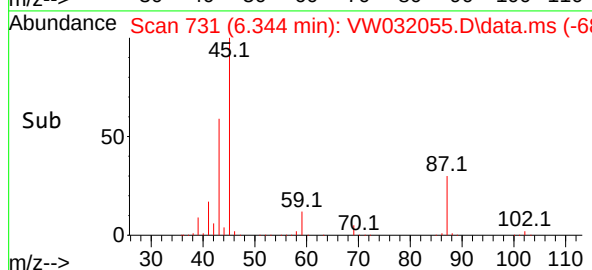
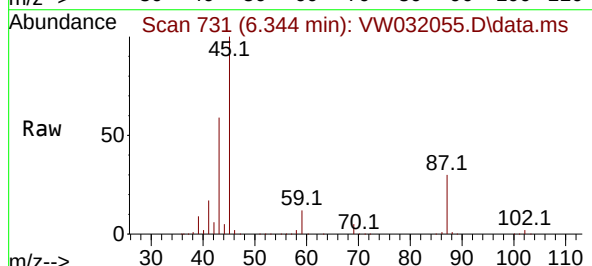
Manual Integrations
APPROVED

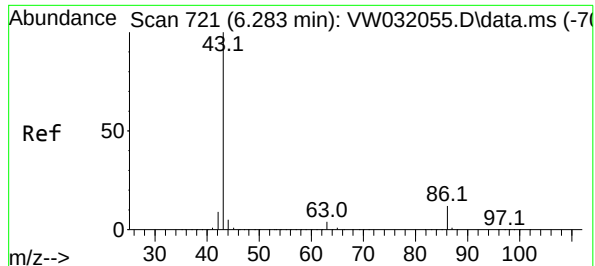
Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025



#22
Diisopropyl ether
Concen: 50.751 ug/l
RT: 6.344 min Scan# 731
Delta R.T. 0.000 min
Lab File: VW032055.D
Acq: 11 Aug 2025 10:09

Tgt Ion: 45 Resp: 421731
Ion Ratio Lower Upper
45 100
43 58.7 47.0 70.4
87 29.8 23.8 35.8
59 11.9 9.5 14.3





#23

Vinyl Acetate

Concen: 265.873 ug/l

RT: 6.283 min Scan# 714

Delta R.T. 0.000 min

Lab File: VW032055.D

Acq: 11 Aug 2025 10:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tgt Ion: 43 Resp: 145055

Ion Ratio Lower Upper

43 100

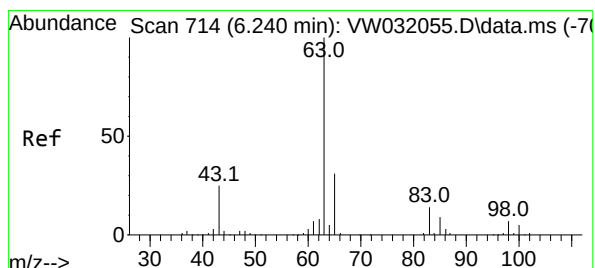
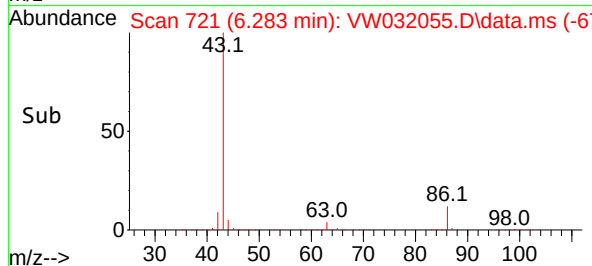
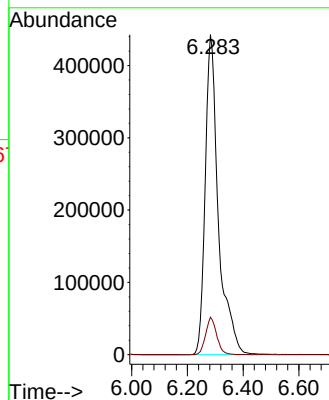
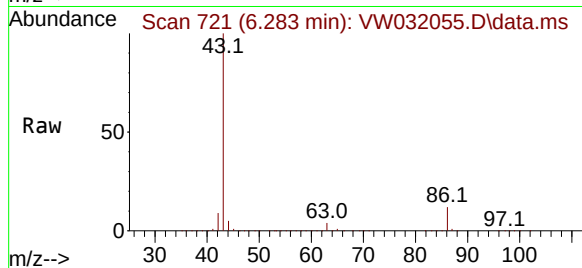
86 11.7 9.4 14.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025

Supervised By :Semsettin Yesilyurt 08/12/2025



#24

1,1-Dichloroethane

Concen: 48.646 ug/l

RT: 6.240 min Scan# 714

Delta R.T. 0.000 min

Lab File: VW032055.D

Acq: 11 Aug 2025 10:09

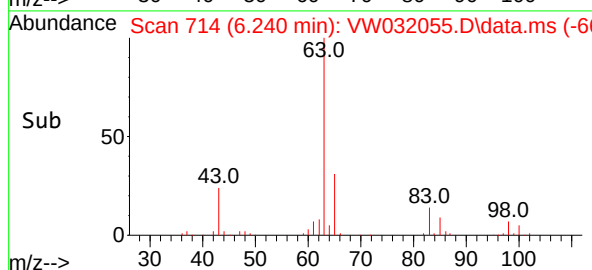
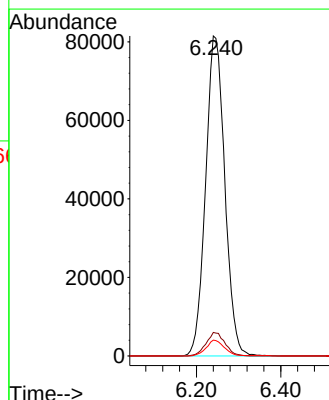
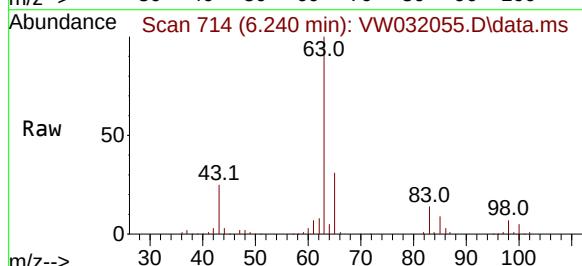
Tgt Ion: 63 Resp: 258279

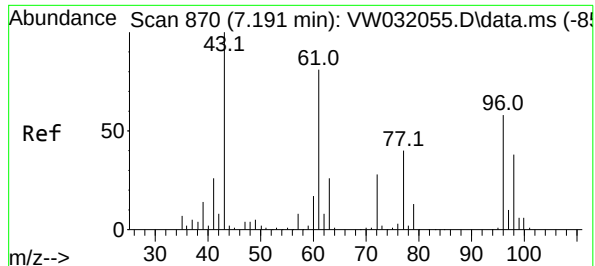
Ion Ratio Lower Upper

63 100

98 7.4 3.7 11.1

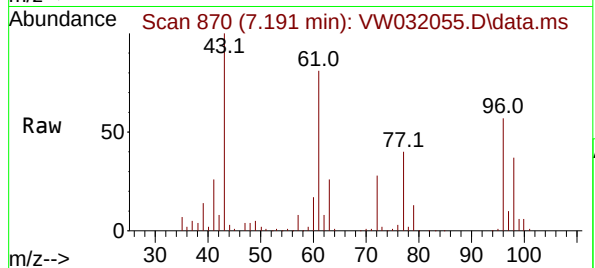
100 4.9 2.5 7.4





#25
2-Butanone
Concen: 267.883 ug/l
RT: 7.191 min Scan# 870
Delta R.T. 0.000 min
Lab File: VW032055.D
Acq: 11 Aug 2025 10:09

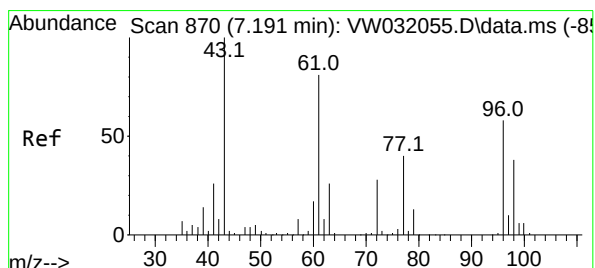
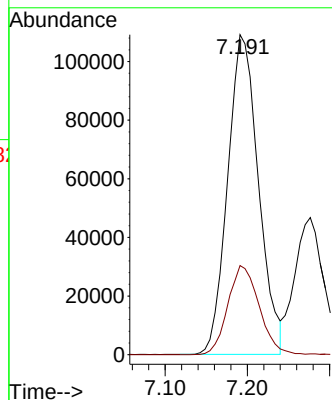
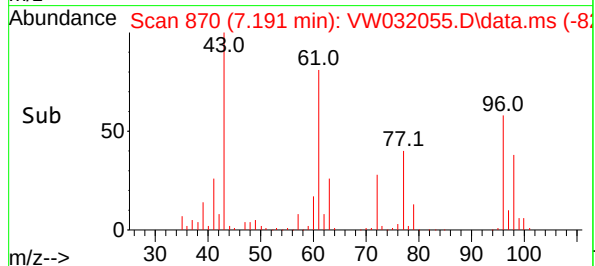
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050



Tgt Ion: 43 Resp: 28471
Ion Ratio Lower Upper
43 100
72 27.9 22.3 33.5

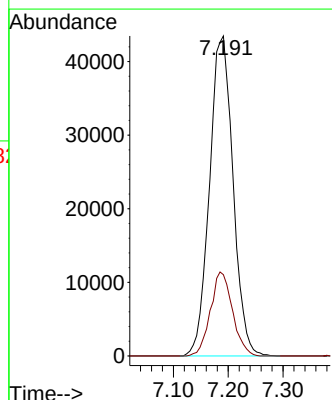
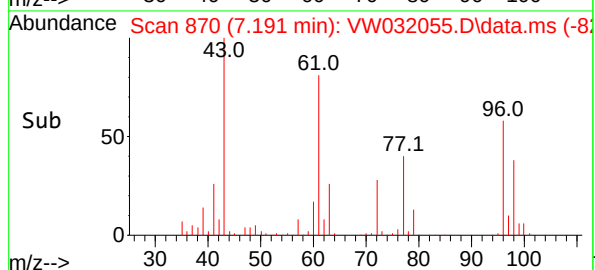
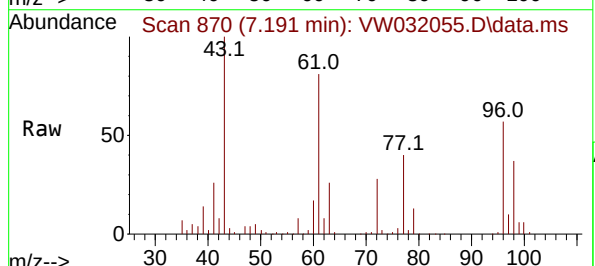
Manual Integrations
APPROVED

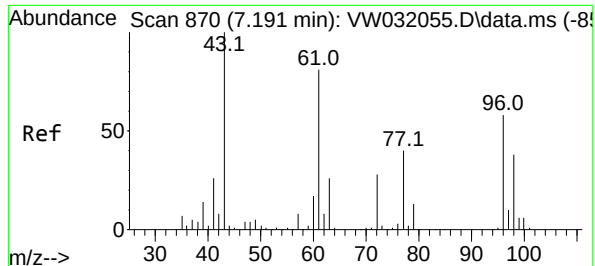
Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025



#26
2,2-Dichloropropane
Concen: 48.578 ug/l
RT: 7.191 min Scan# 870
Delta R.T. 0.000 min
Lab File: VW032055.D
Acq: 11 Aug 2025 10:09

Tgt Ion: 77 Resp: 129390
Ion Ratio Lower Upper
77 100
97 24.6 12.3 36.9





#27

cis-1,2-Dichloroethene

Concen: 49.779 ug/l

RT: 7.191 min Scan# 870

Delta R.T. 0.000 min

Lab File: VW032055.D

Acq: 11 Aug 2025 10:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tgt Ion: 96 Resp: 167240

Ion Ratio Lower Upper

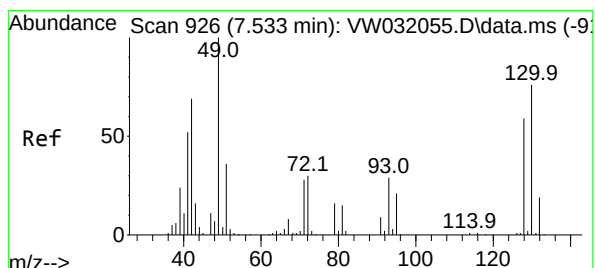
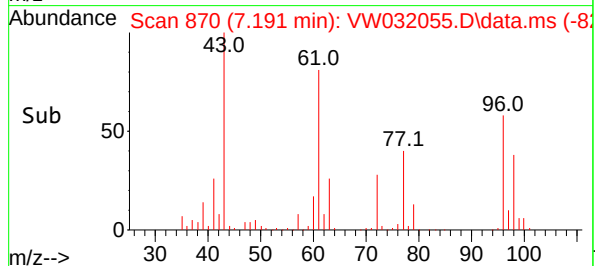
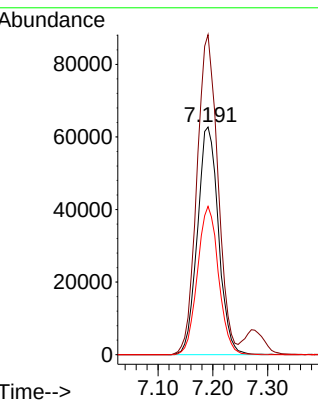
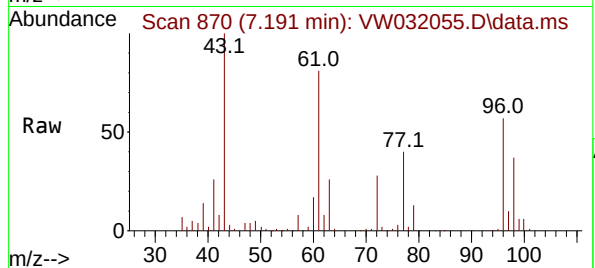
96 100

61 140.6 0.0 281.2

98 65.4 0.0 130.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025

#28

Bromochloromethane

Concen: 50.191 ug/l

RT: 7.533 min Scan# 926

Delta R.T. 0.000 min

Lab File: VW032055.D

Acq: 11 Aug 2025 10:09

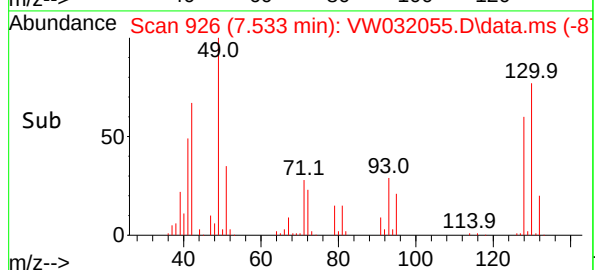
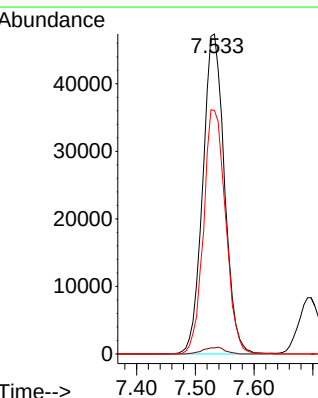
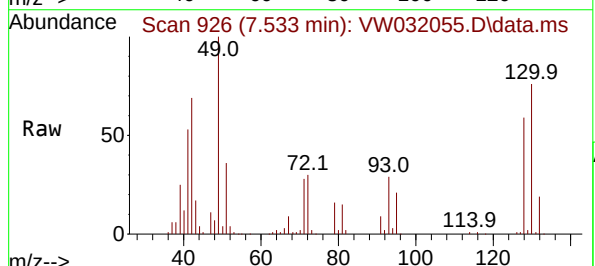
Tgt Ion: 49 Resp: 121266

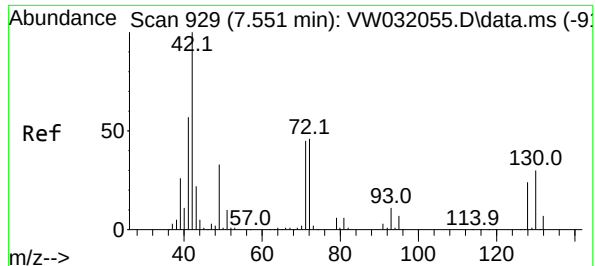
Ion Ratio Lower Upper

49 100

129 2.1 0.0 4.2

130 77.4 61.9 92.9





#29

Tetrahydrofuran

Concen: 272.100 ug/l

RT: 7.551 min Scan# 91

Delta R.T. 0.000 min

Lab File: VW032055.D

Acq: 11 Aug 2025 10:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tgt Ion: 42 Resp: 190719

Ion Ratio Lower Upper

42 100

72 45.8 36.6 55.0

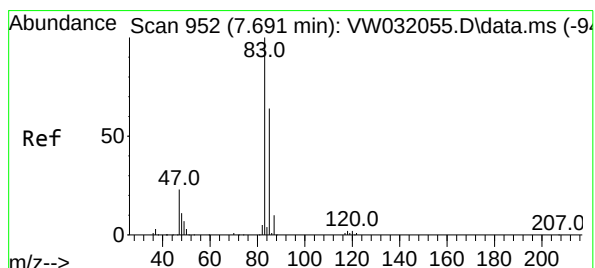
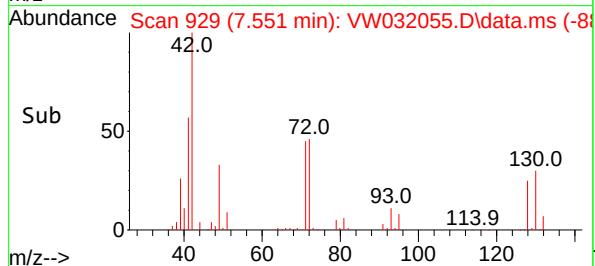
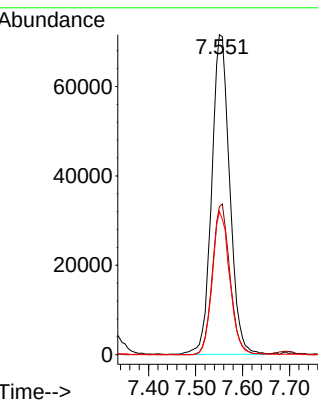
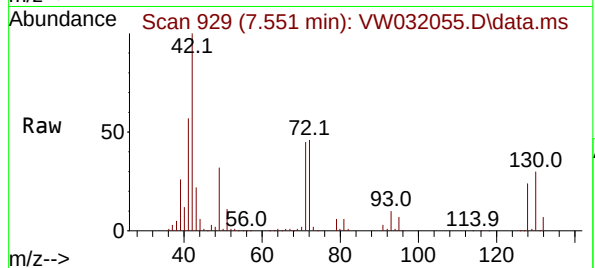
71 43.4 34.7 52.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025

Supervised By :Semsettin Yesilyurt 08/12/2025



#30

Chloroform

Concen: 49.018 ug/l

RT: 7.691 min Scan# 952

Delta R.T. 0.000 min

Lab File: VW032055.D

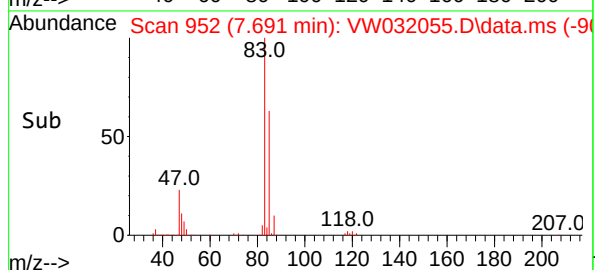
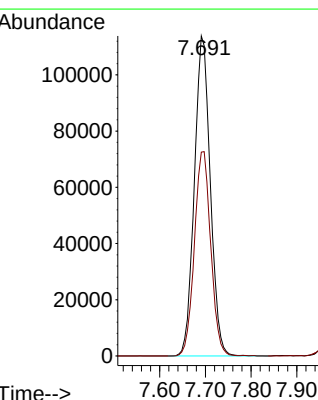
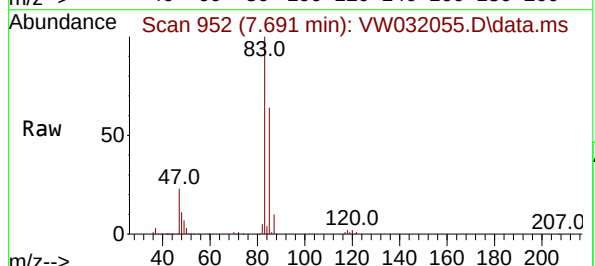
Acq: 11 Aug 2025 10:09

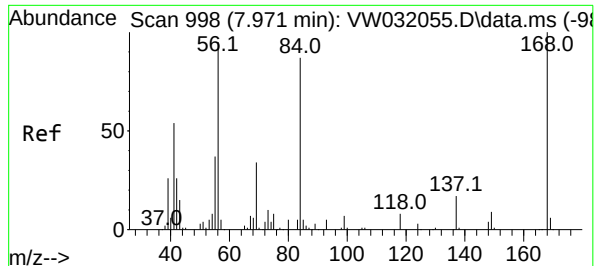
Tgt Ion: 83 Resp: 275905

Ion Ratio Lower Upper

83 100

85 63.7 51.0 76.4





#31

Cyclohexane

Concen: 46.622 ug/l

RT: 7.971 min Scan# 998

Delta R.T. 0.000 min

Lab File: VW032055.D

Acq: 11 Aug 2025 10:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tgt Ion: 56 Resp: 21459

Ion Ratio Lower Upper

56 100

69 35.7 28.6 42.8

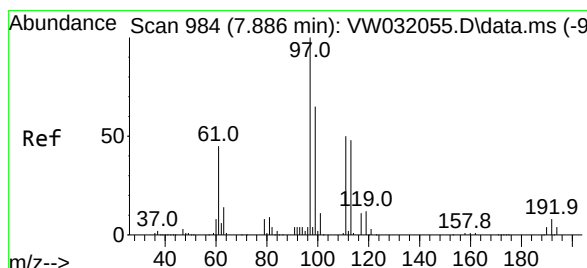
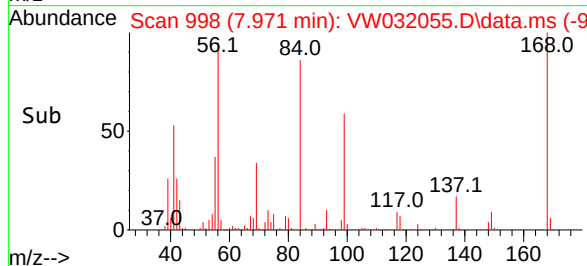
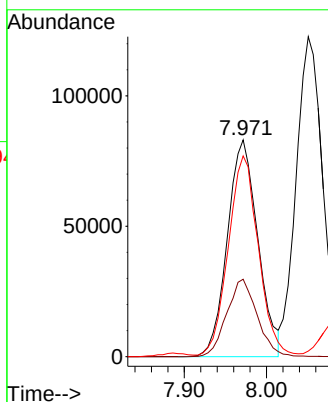
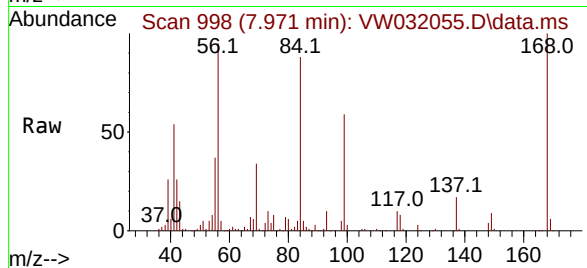
84 91.2 73.0 109.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025

Supervised By :Semsettin Yesilyurt 08/12/2025



#32

1,1,1-Trichloroethane

Concen: 47.617 ug/l

RT: 7.886 min Scan# 984

Delta R.T. 0.000 min

Lab File: VW032055.D

Acq: 11 Aug 2025 10:09

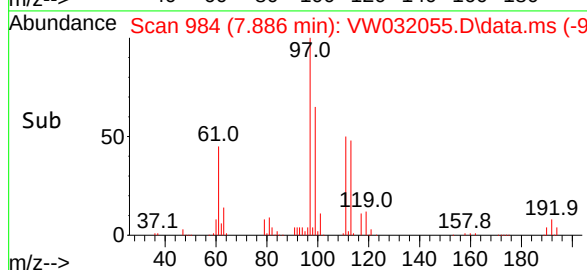
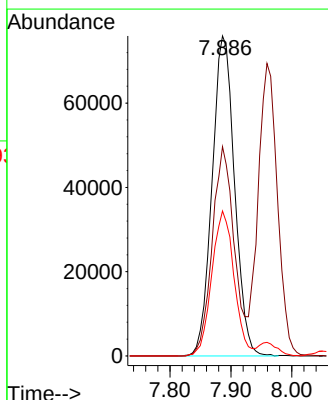
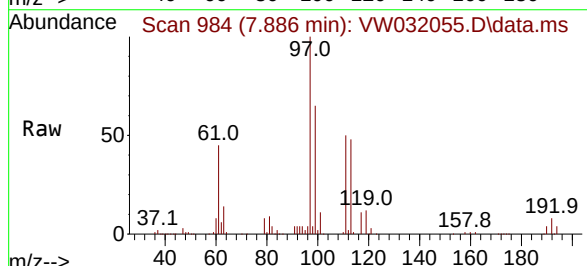
Tgt Ion: 97 Resp: 194676

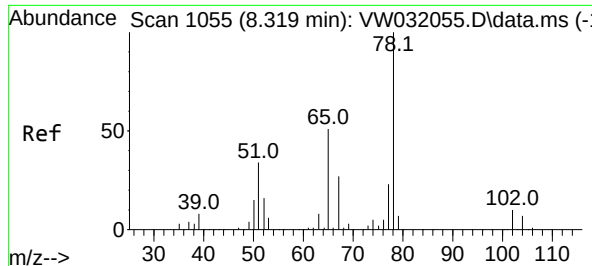
Ion Ratio Lower Upper

97 100

99 64.8 51.8 77.8

61 44.9 35.9 53.9





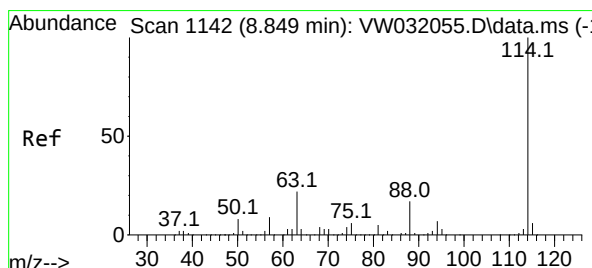
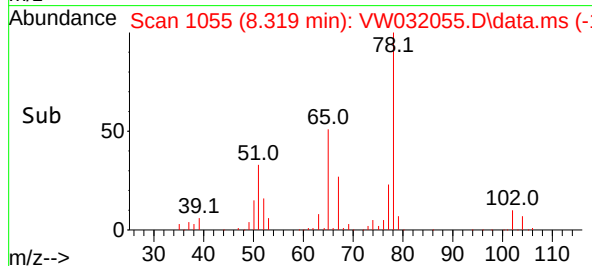
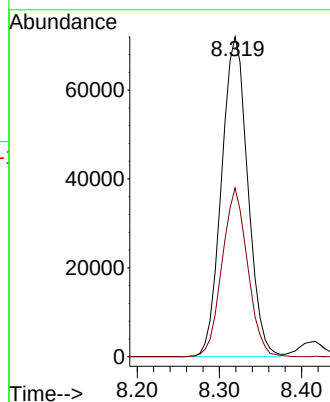
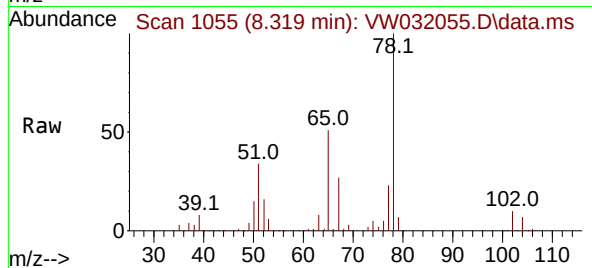
#33
1,2-Dichloroethane-d4
Concen: 49.529 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW032055.D
Acq: 11 Aug 2025 10:09

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion: 65 Resp: 159972
Ion Ratio Lower Upper
65 100
67 51.2 0.0 102.4

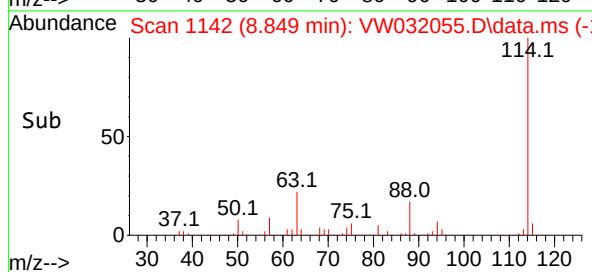
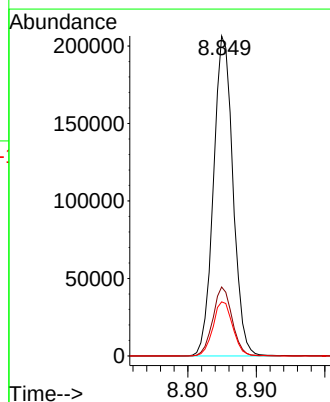
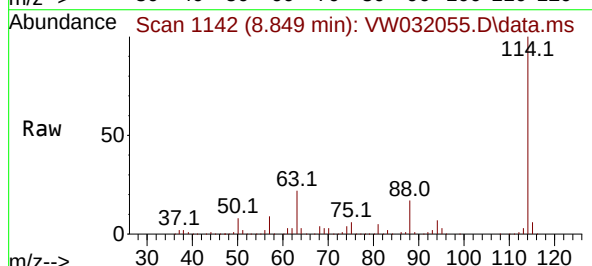
Manual Integrations
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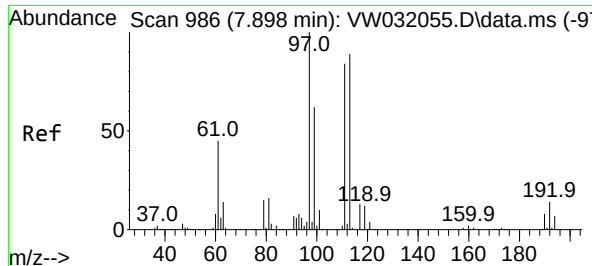
Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 1142
Delta R.T. 0.000 min
Lab File: VW032055.D
Acq: 11 Aug 2025 10:09

Tgt Ion:114 Resp: 406973
Ion Ratio Lower Upper
114 100
63 21.5 0.0 43.0
88 16.9 0.0 33.8





#35

Dibromofluoromethane

Concen: 50.279 ug/l

RT: 7.898 min Scan# 986

Delta R.T. 0.000 min

Lab File: VW032055.D

Acq: 11 Aug 2025 10:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tgt Ion:113 Resp: 13219

Ion Ratio Lower Upper

113 100

111 100.1 80.1 120.1

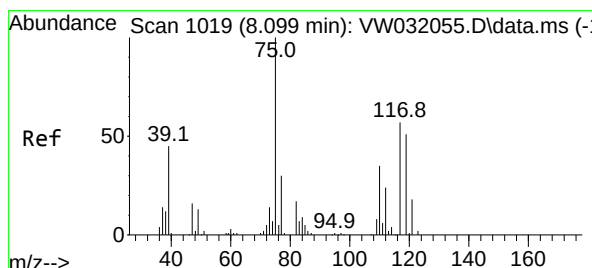
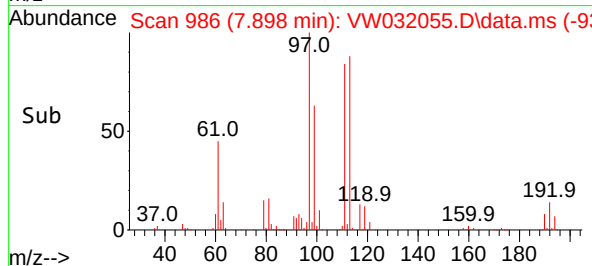
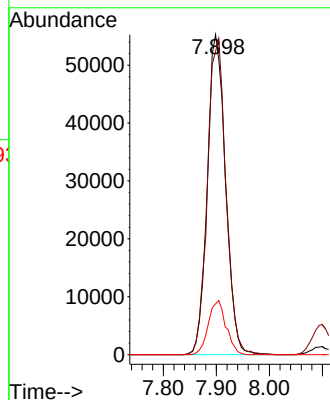
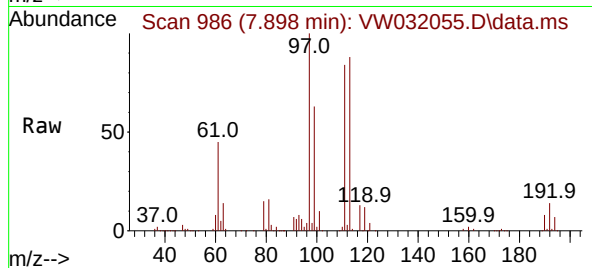
192 16.4 13.1 19.7

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025

Supervised By :Semsettin Yesilyurt 08/12/2025



#36

1,1-Dichloropropene

Concen: 51.274 ug/l

RT: 8.099 min Scan# 1019

Delta R.T. 0.000 min

Lab File: VW032055.D

Acq: 11 Aug 2025 10:09

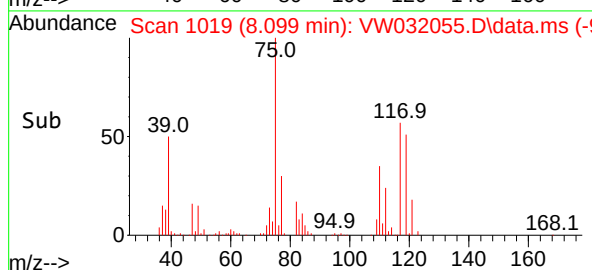
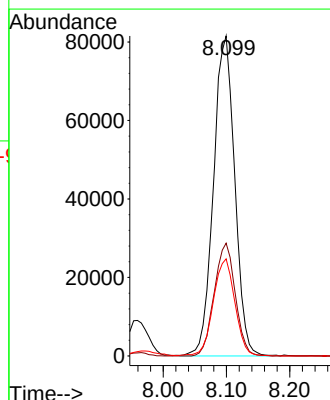
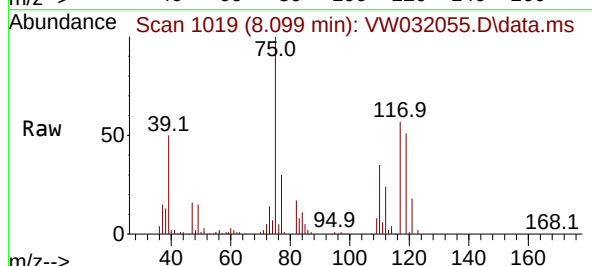
Tgt Ion: 75 Resp: 190046

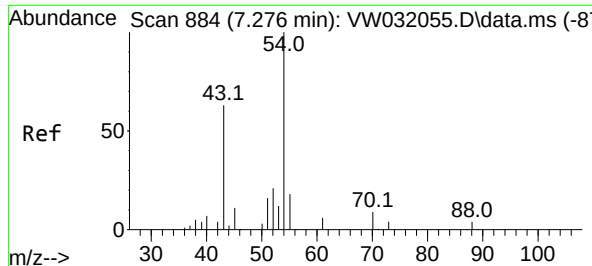
Ion Ratio Lower Upper

75 100

110 34.8 17.4 52.2

77 30.9 24.7 37.1





#37

Ethyl Acetate

Concen: 54.829 ug/l

RT: 7.276 min Scan# 884

Delta R.T. 0.000 min

Lab File: VW032055.D

Acq: 11 Aug 2025 10:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tgt Ion: 43 Resp: 119689

Ion Ratio Lower Upper

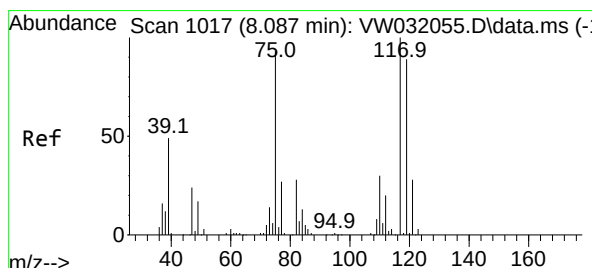
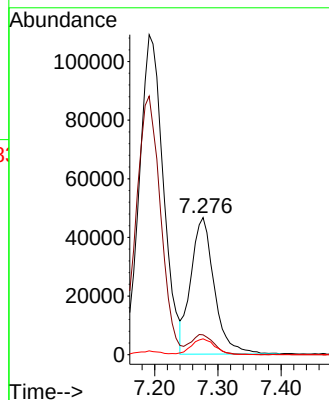
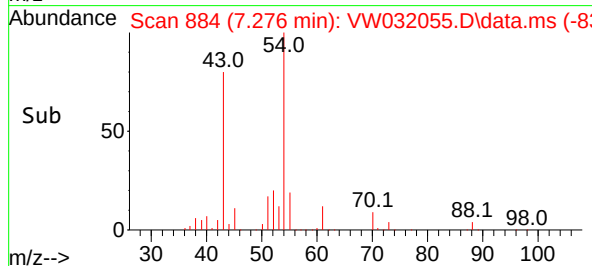
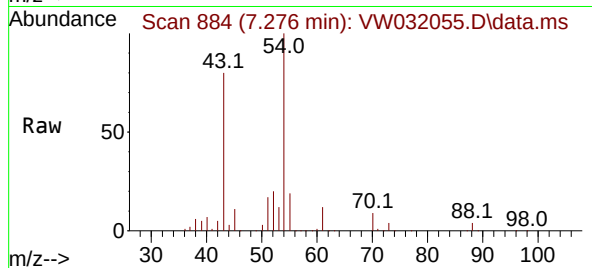
43 100

61 14.7 11.8 17.6

70 11.7 9.4 14.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025

#38

Carbon Tetrachloride

Concen: 51.000 ug/l

RT: 8.087 min Scan# 1017

Delta R.T. 0.000 min

Lab File: VW032055.D

Acq: 11 Aug 2025 10:09

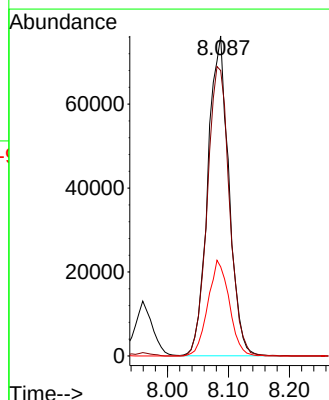
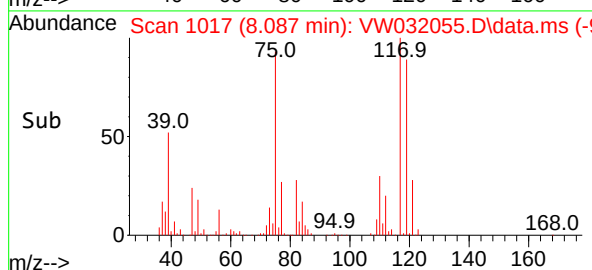
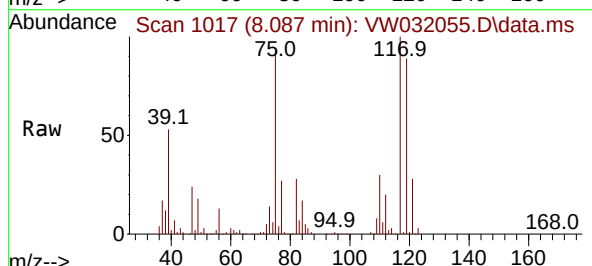
Tgt Ion:117 Resp: 182422

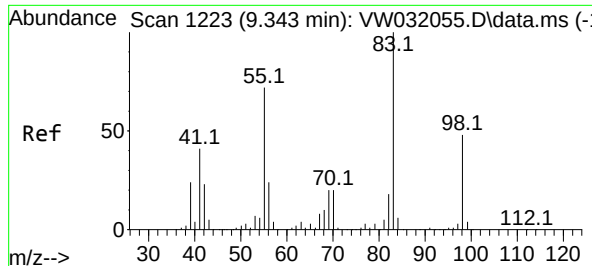
Ion Ratio Lower Upper

117 100

119 89.3 71.4 107.2

121 27.9 22.3 33.5





#39

Methylcyclohexane

Concen: 52.093 ug/l

RT: 9.343 min Scan# 1058

Delta R.T. 0.000 min

Lab File: VW032055.D

Acq: 11 Aug 2025 10:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tgt Ion: 83 Resp: 23534

Ion Ratio Lower Upper

83 100

55 72.4 57.9 86.9

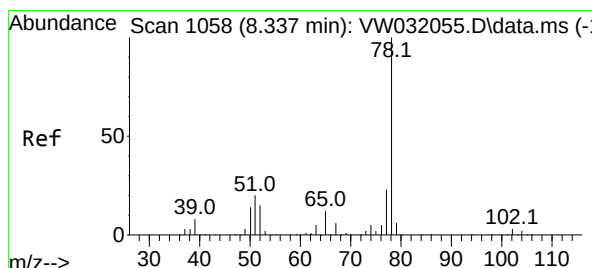
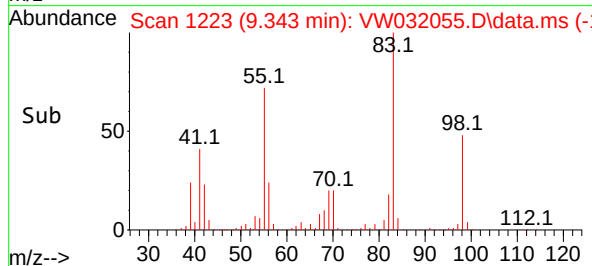
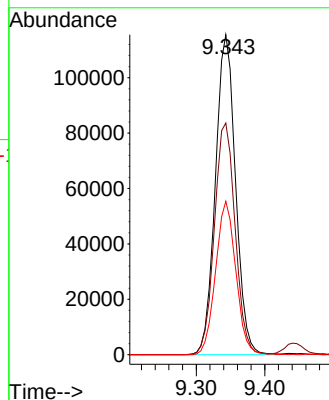
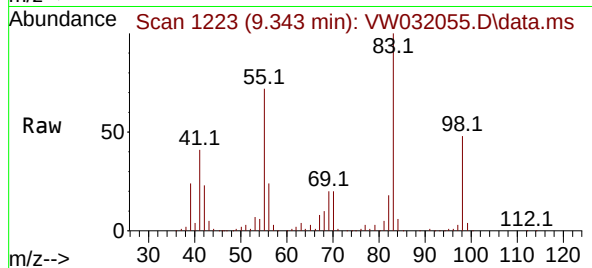
98 47.9 38.3 57.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025

Supervised By :Semsettin Yesilyurt 08/12/2025



#40

Benzene

Concen: 51.883 ug/l

RT: 8.337 min Scan# 1058

Delta R.T. 0.000 min

Lab File: VW032055.D

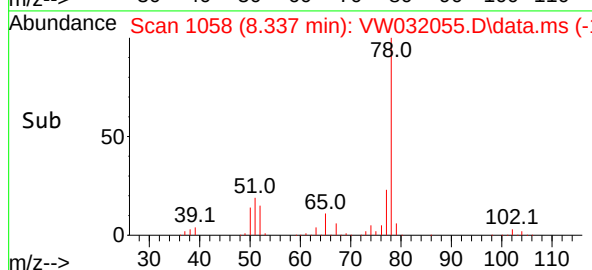
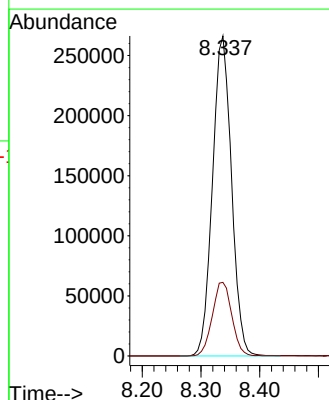
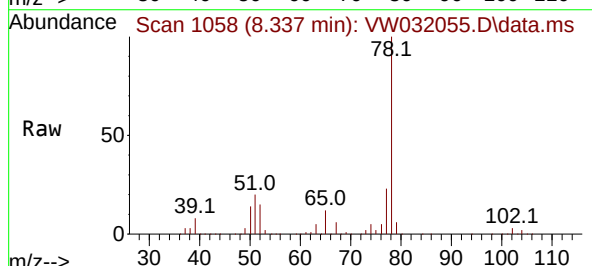
Acq: 11 Aug 2025 10:09

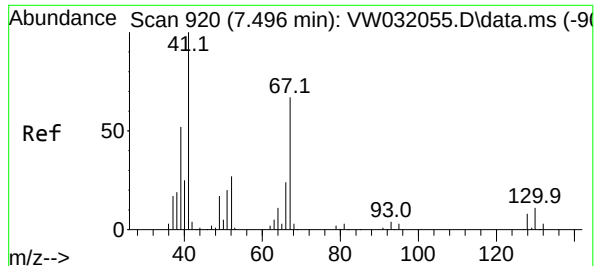
Tgt Ion: 78 Resp: 597760

Ion Ratio Lower Upper

78 100

77 23.0 18.4 27.6





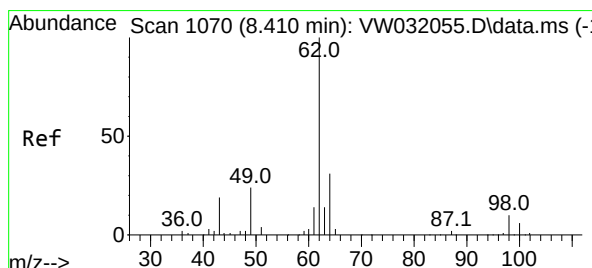
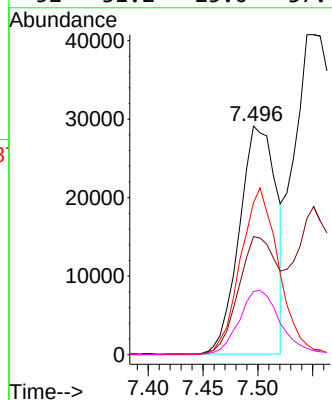
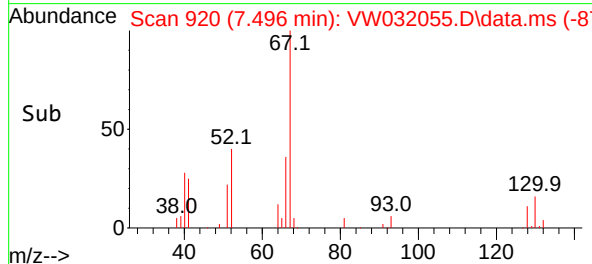
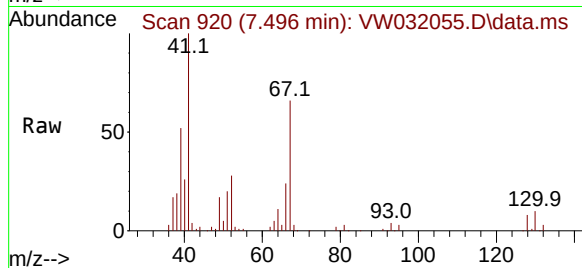
#41
Methacrylonitrile
Concen: 55.039 ug/l
RT: 7.496 min Scan# 91
Delta R.T. 0.000 min
Lab File: VW032055.D
Acq: 11 Aug 2025 10:09

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion: 41 Resp: 68130
Ion Ratio Lower Upper
41 100
39 53.2 42.6 63.8
67 76.2 61.0 91.4
52 31.2 25.0 37.4

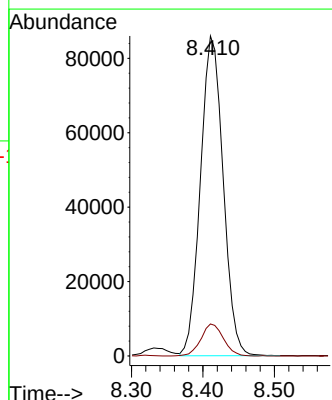
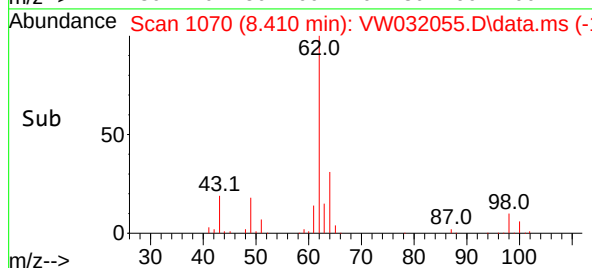
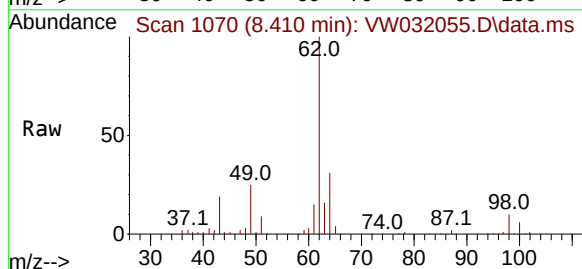
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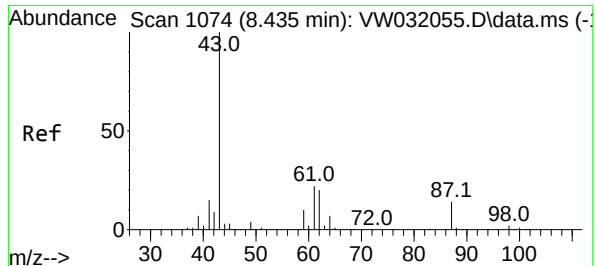
Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025



#42
1,2-Dichloroethane
Concen: 51.471 ug/l
RT: 8.410 min Scan# 1070
Delta R.T. 0.000 min
Lab File: VW032055.D
Acq: 11 Aug 2025 10:09

Tgt Ion: 62 Resp: 189755
Ion Ratio Lower Upper
62 100
98 9.9 0.0 19.8





#43

Isopropyl Acetate

Concen: 54.544 ug/l

RT: 8.435 min Scan# 1074

Delta R.T. 0.000 min

Lab File: VW032055.D

Acq: 11 Aug 2025 10:09

Instrument :

MSVOA_W

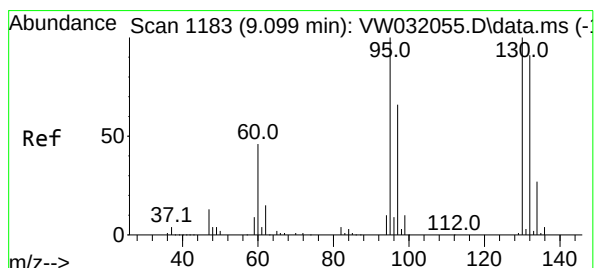
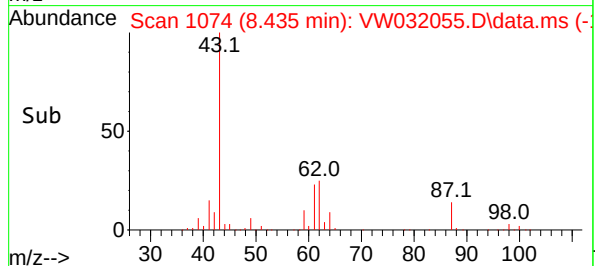
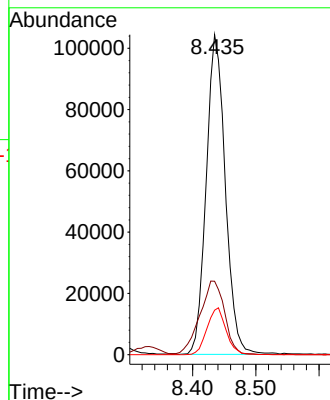
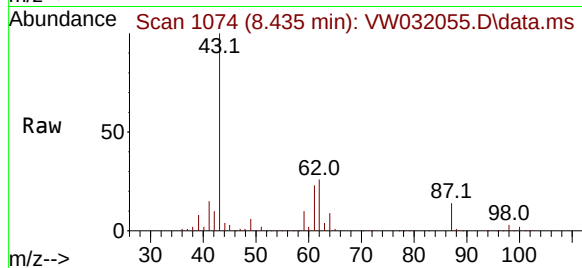
ClientSampleId :

VSTDICCC050

Tgt Ion:	43	Resp:	219064
Ion	Ratio	Lower	Upper
43	100		
61	29.8	23.8	35.8
87	14.6	11.7	17.5

Manual Integrations
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Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025



#44

Trichloroethene

Concen: 50.264 ug/l

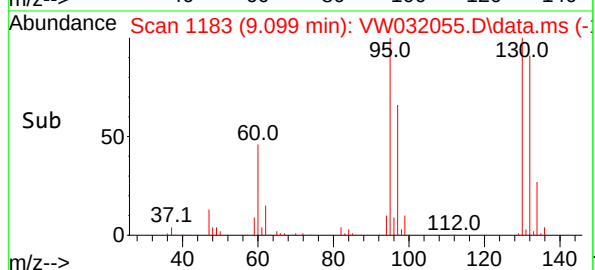
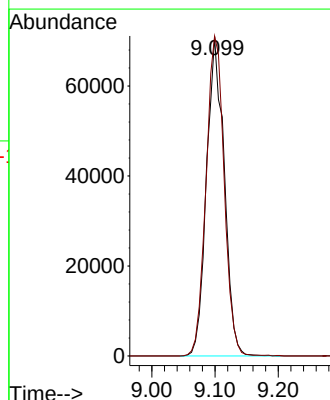
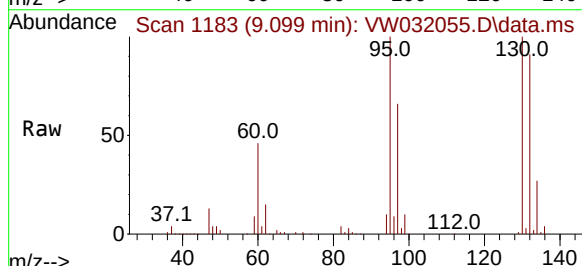
RT: 9.099 min Scan# 1183

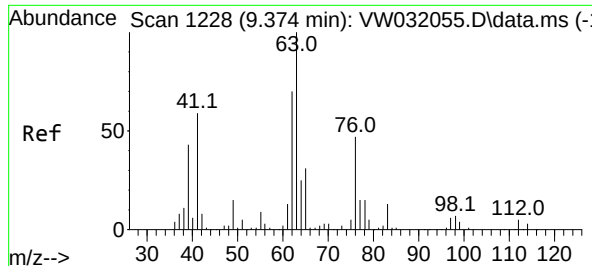
Delta R.T. 0.000 min

Lab File: VW032055.D

Acq: 11 Aug 2025 10:09

Tgt Ion:	130	Resp:	137910
Ion	Ratio	Lower	Upper
130	100		
95	100.3	0.0	200.6





#45

1,2-Dichloropropane

Concen: 51.537 ug/l

RT: 9.374 min Scan# 1228

Delta R.T. 0.000 min

Lab File: VW032055.D

Acq: 11 Aug 2025 10:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tgt Ion: 63 Resp: 143440

Ion Ratio Lower Upper

63 100

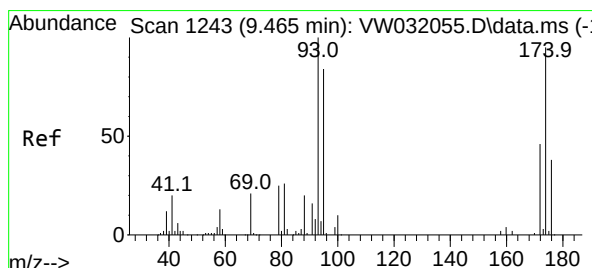
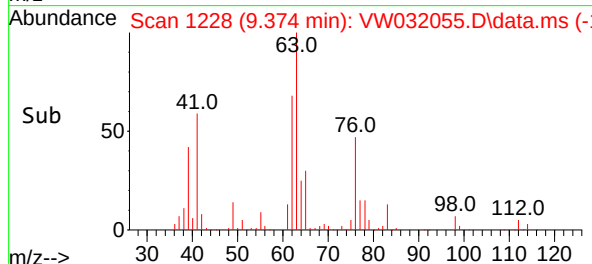
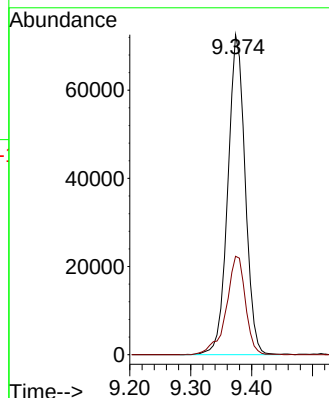
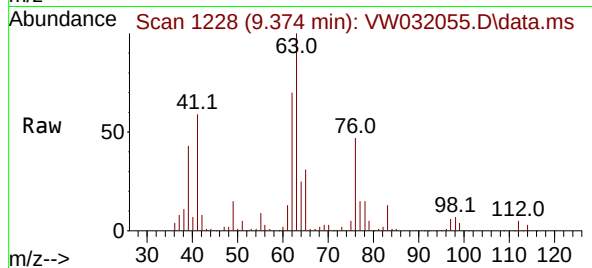
65 30.7 24.6 36.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025

Supervised By :Semsettin Yesilyurt 08/12/2025



#46

Dibromomethane

Concen: 51.770 ug/l

RT: 9.465 min Scan# 1243

Delta R.T. 0.000 min

Lab File: VW032055.D

Acq: 11 Aug 2025 10:09

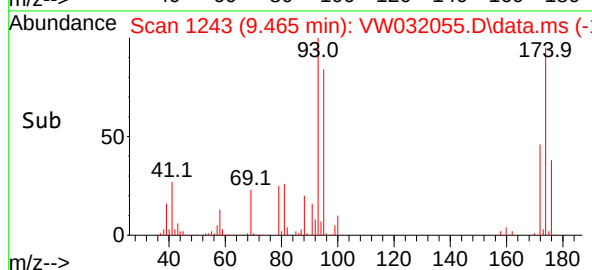
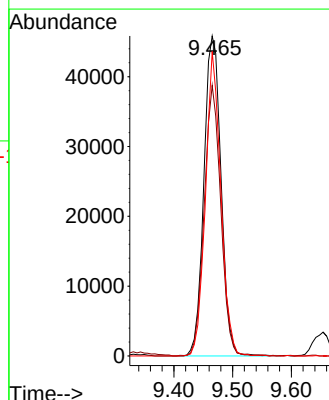
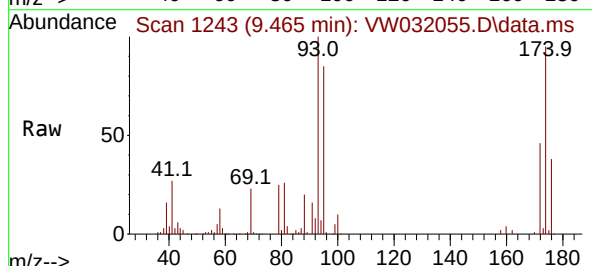
Tgt Ion: 93 Resp: 93001

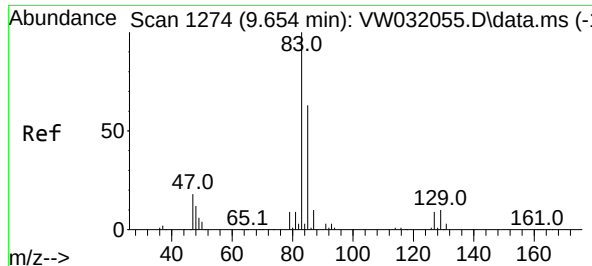
Ion Ratio Lower Upper

93 100

95 81.6 65.3 97.9

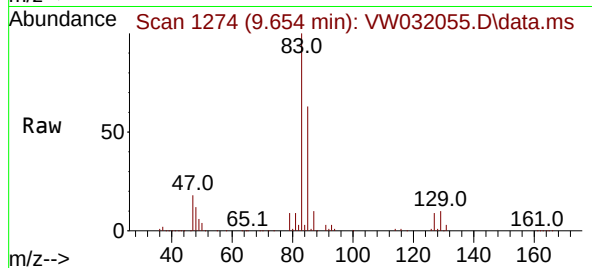
174 85.7 68.6 102.8





#47
Bromodichloromethane
Concen: 52.307 ug/l
RT: 9.654 min Scan# 1274
Delta R.T. 0.000 min
Lab File: VW032055.D
Acq: 11 Aug 2025 10:09

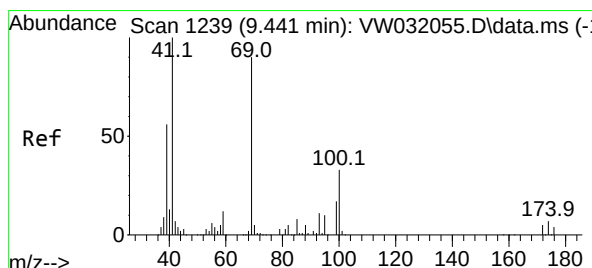
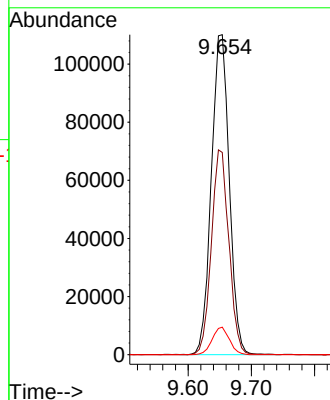
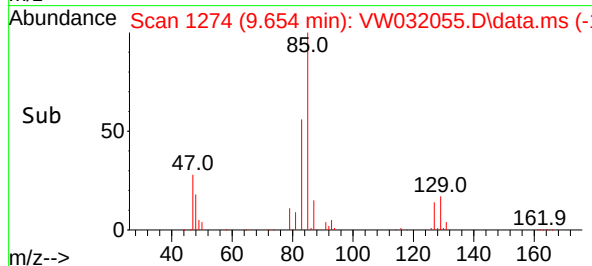
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050



Tgt Ion: 83 Resp: 21652
Ion Ratio Lower Upper
83 100
85 63.2 50.6 75.8
127 8.6 6.9 10.3

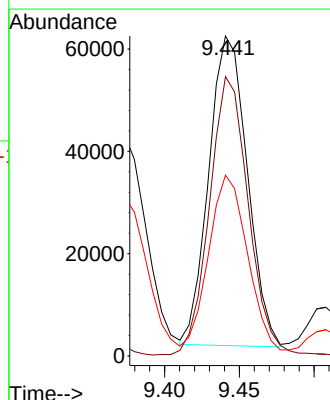
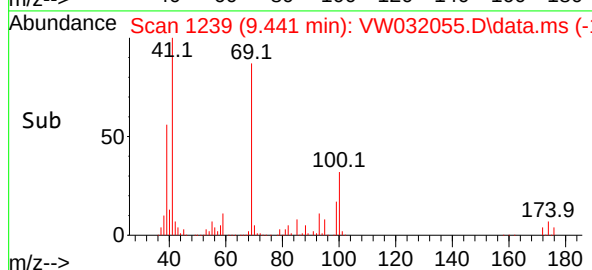
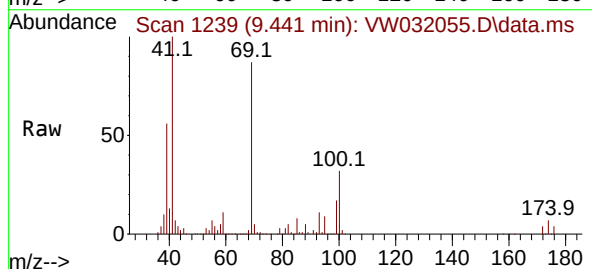
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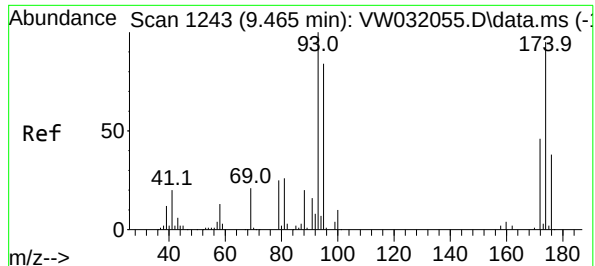
Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025



#48
Methyl methacrylate
Concen: 55.849 ug/l
RT: 9.441 min Scan# 1239
Delta R.T. 0.000 min
Lab File: VW032055.D
Acq: 11 Aug 2025 10:09

Tgt Ion: 41 Resp: 108287
Ion Ratio Lower Upper
41 100
69 91.3 73.0 109.6
39 56.2 45.0 67.4





#49

1,4-Dioxane

Concen: 1144.321 ug/l

RT: 9.465 min Scan# 1243

Delta R.T. 0.000 min

Lab File: VW032055.D

Acq: 11 Aug 2025 10:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tgt Ion: 88 Resp: 26579

Ion Ratio Lower Upper

88 100

43 25.7 20.6 30.8

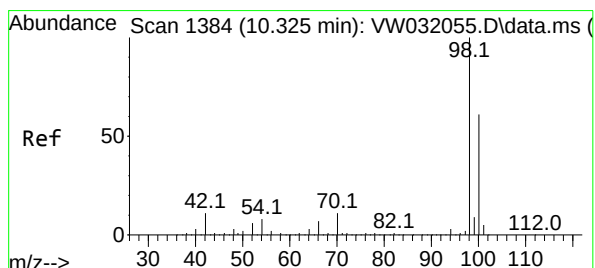
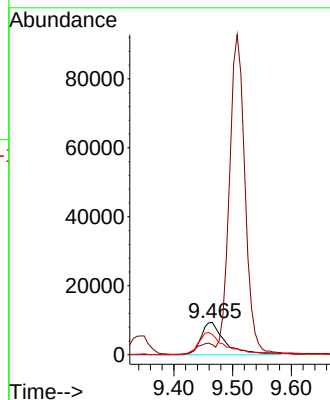
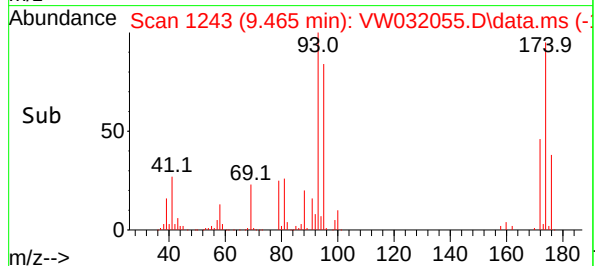
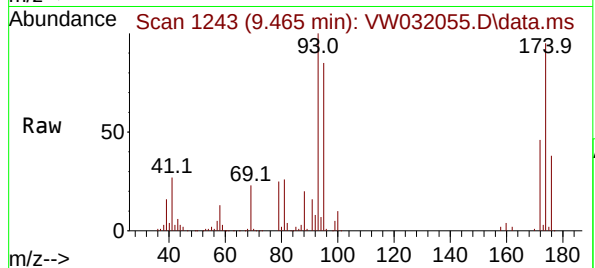
58 75.5 60.4 90.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025

Supervised By :Semsettin Yesilyurt 08/12/2025



#50

Toluene-d8

Concen: 52.098 ug/l

RT: 10.325 min Scan# 1384

Delta R.T. 0.000 min

Lab File: VW032055.D

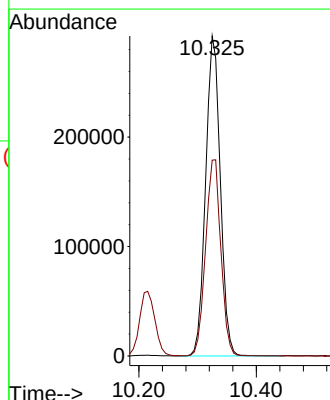
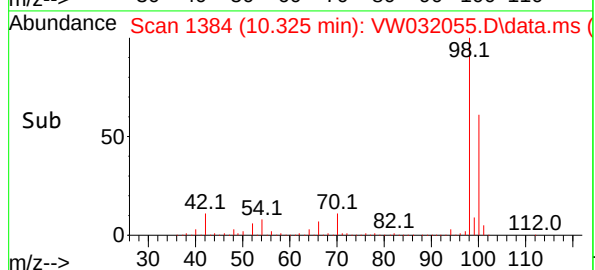
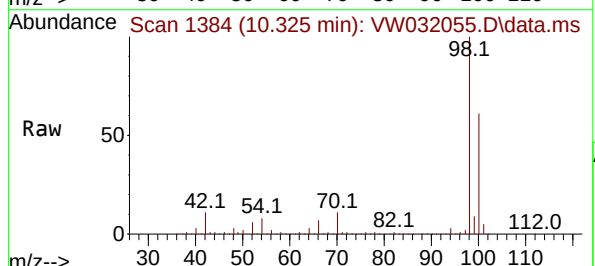
Acq: 11 Aug 2025 10:09

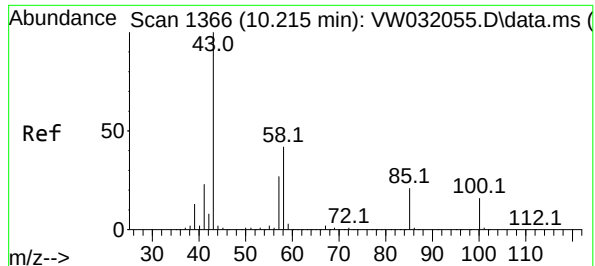
Tgt Ion: 98 Resp: 506634

Ion Ratio Lower Upper

98 100

100 63.9 51.1 76.7





#51

4-Methyl-2-Pentanone

Concen: 280.194 ug/l

RT: 10.215 min Scan# 1366

Delta R.T. 0.000 min

Lab File: VW032055.D

Acq: 11 Aug 2025 10:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tgt Ion: 43 Resp: 635174

Ion Ratio Lower Upper

43 100

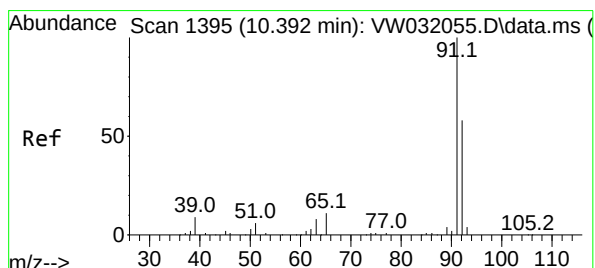
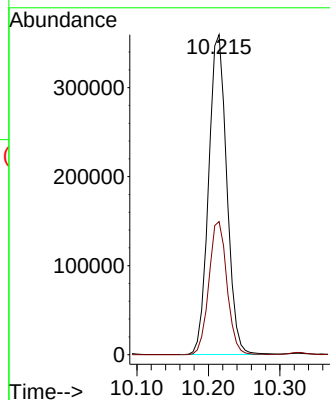
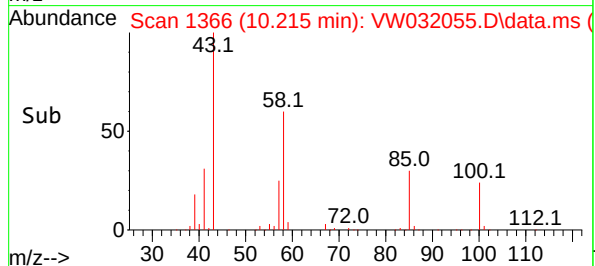
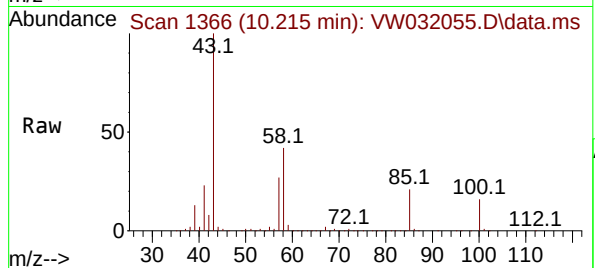
58 41.4 33.1 49.7

Manual Integrations

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Reviewed By :Mahesh Dadoda 08/12/2025

Supervised By :Semsettin Yesilyurt 08/12/2025



#52

Toluene

Concen: 52.258 ug/l

RT: 10.392 min Scan# 1395

Delta R.T. 0.000 min

Lab File: VW032055.D

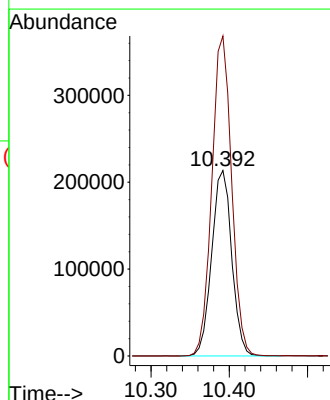
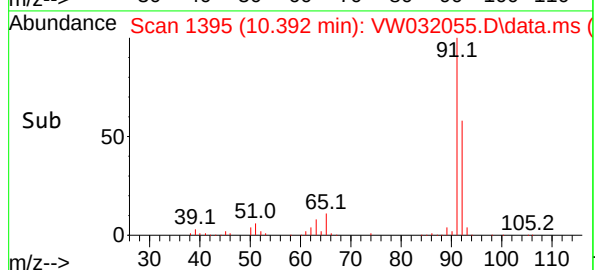
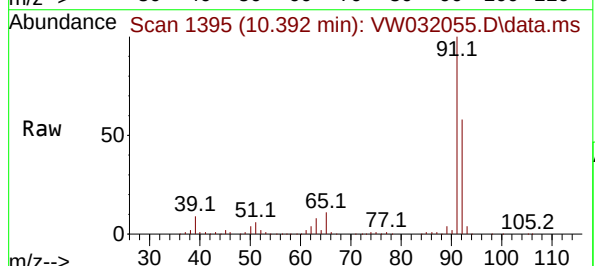
Acq: 11 Aug 2025 10:09

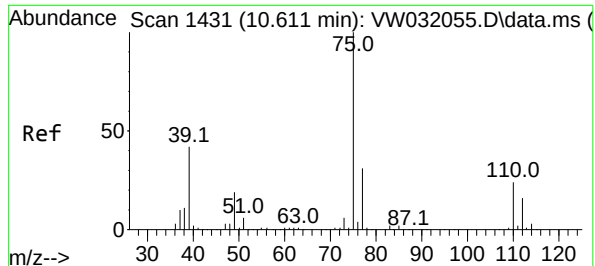
Tgt Ion: 92 Resp: 379230

Ion Ratio Lower Upper

92 100

91 170.4 136.3 204.5





#53

t-1,3-Dichloropropene

Concen: 54.035 ug/l

RT: 10.611 min Scan# 1431

Delta R.T. 0.000 min

Lab File: VW032055.D

Acq: 11 Aug 2025 10:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tgt Ion: 75 Resp: 20955

Ion Ratio Lower Upper

75 100

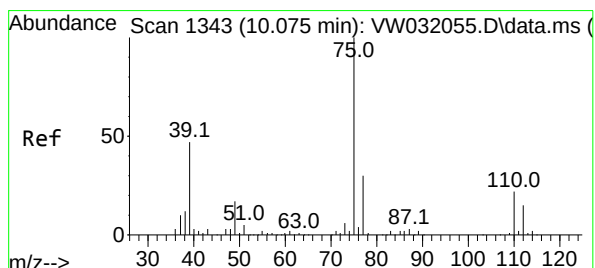
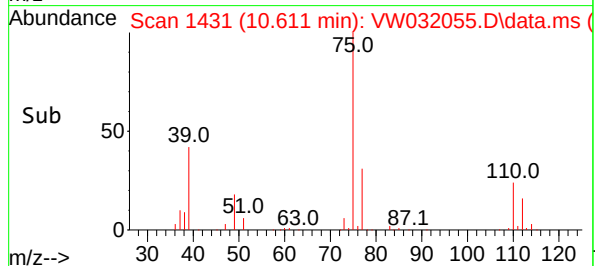
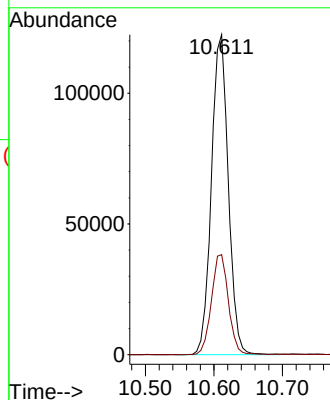
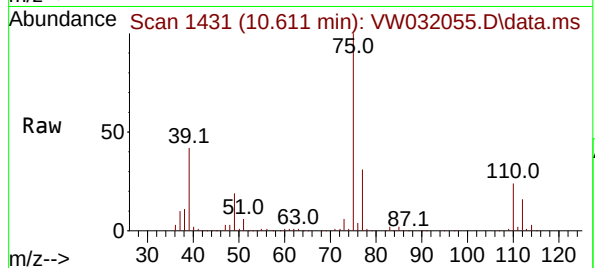
77 31.3 25.0 37.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025

Supervised By :Semsettin Yesilyurt 08/12/2025



#54

cis-1,3-Dichloropropene

Concen: 53.744 ug/l

RT: 10.075 min Scan# 1343

Delta R.T. 0.000 min

Lab File: VW032055.D

Acq: 11 Aug 2025 10:09

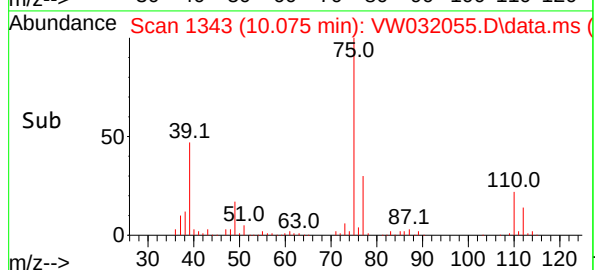
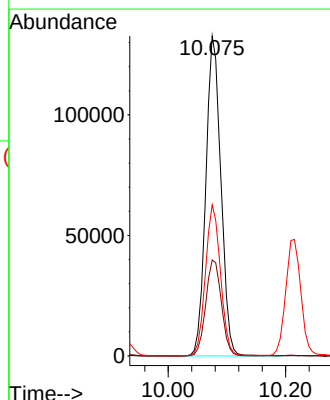
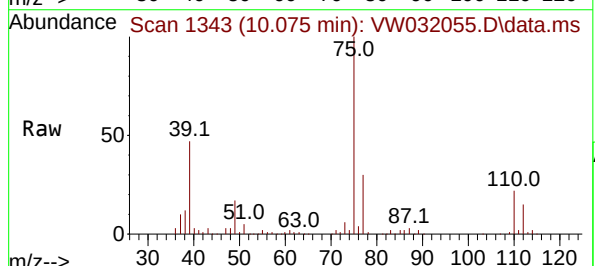
Tgt Ion: 75 Resp: 236454

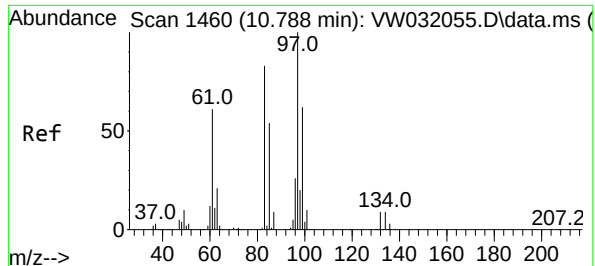
Ion Ratio Lower Upper

75 100

77 30.0 24.0 36.0

39 47.3 37.8 56.8





#55

1,1,2-Trichloroethane

Concen: 52.088 ug/l

RT: 10.788 min Scan# 1460

Delta R.T. 0.000 min

Lab File: VW032055.D

Acq: 11 Aug 2025 10:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tgt Ion: 97 Resp: 12434

Ion Ratio Lower Upper

97 100

83 83.0 66.4 99.6

85 53.9 43.1 64.7

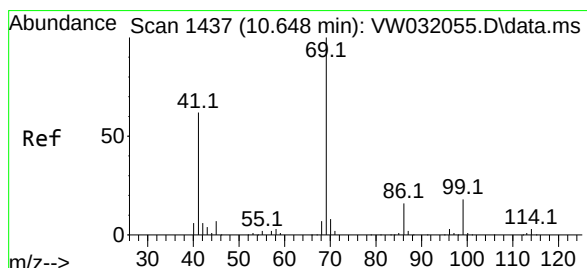
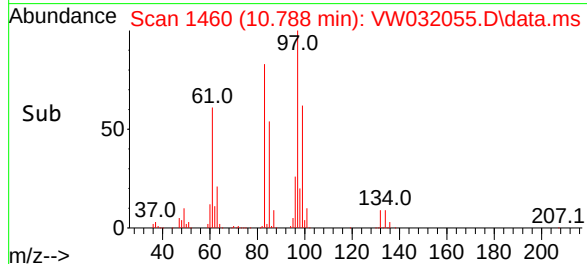
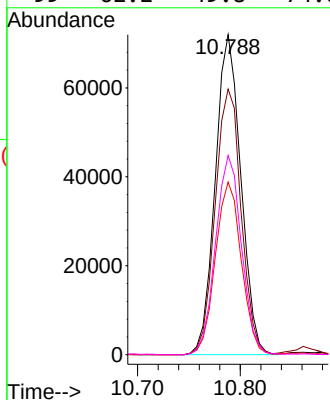
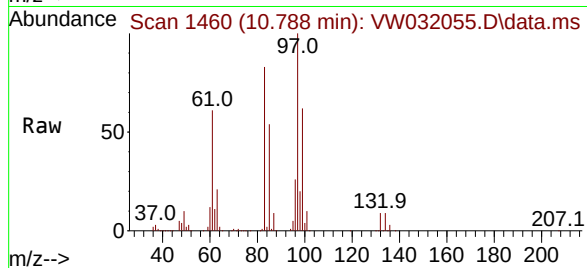
99 62.2 49.8 74.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025

Supervised By :Semsettin Yesilyurt 08/12/2025



#56

Ethyl methacrylate

Concen: 56.027 ug/l

RT: 10.648 min Scan# 1437

Delta R.T. 0.000 min

Lab File: VW032055.D

Acq: 11 Aug 2025 10:09

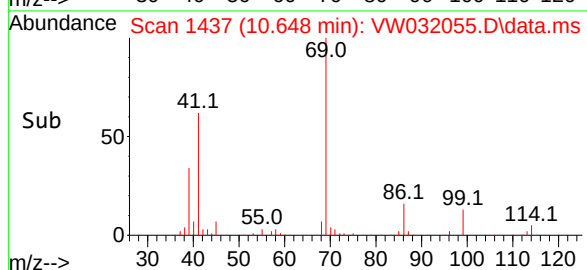
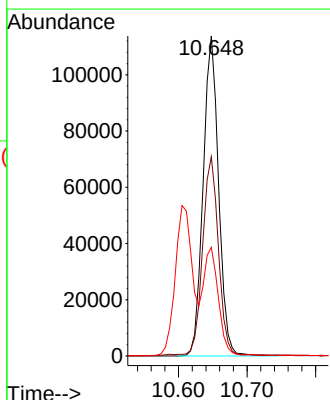
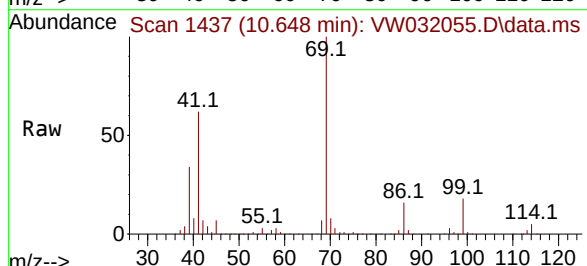
Tgt Ion: 69 Resp: 178974

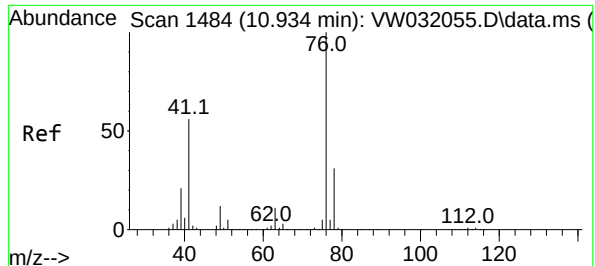
Ion Ratio Lower Upper

69 100

41 64.0 51.2 76.8

39 31.7 25.4 38.0





#57

1,3-Dichloropropane

Concen: 52.084 ug/l

RT: 10.934 min Scan# 1484

Delta R.T. 0.000 min

Lab File: VW032055.D

Acq: 11 Aug 2025 10:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tgt Ion: 76 Resp: 216719

Ion Ratio Lower Upper

76 100

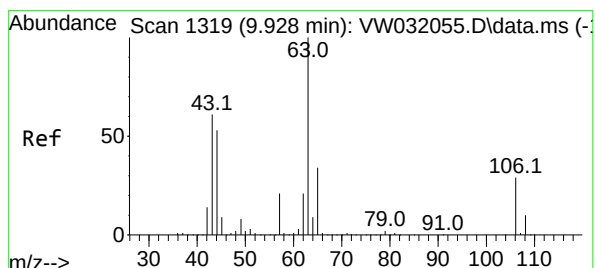
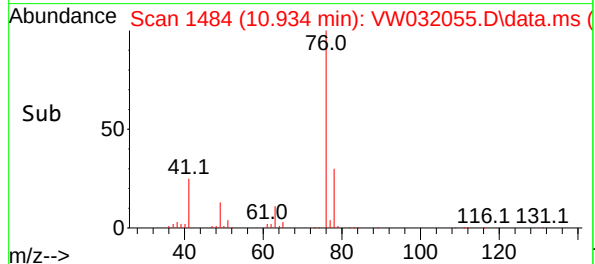
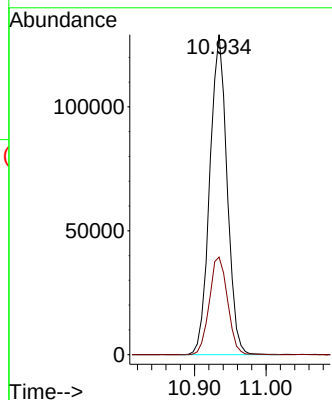
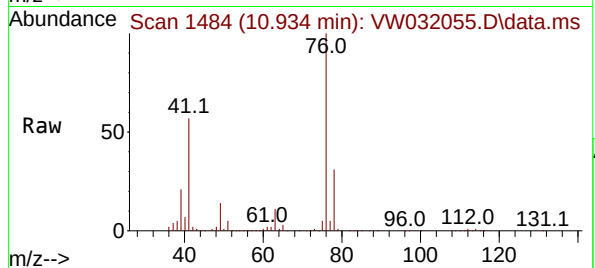
78 32.2 25.8 38.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025

Supervised By :Semsettin Yesilyurt 08/12/2025



#58

2-Chloroethyl Vinyl ether

Concen: 277.613 ug/l

RT: 9.928 min Scan# 1319

Delta R.T. 0.000 min

Lab File: VW032055.D

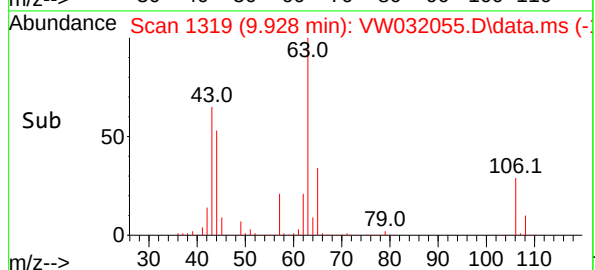
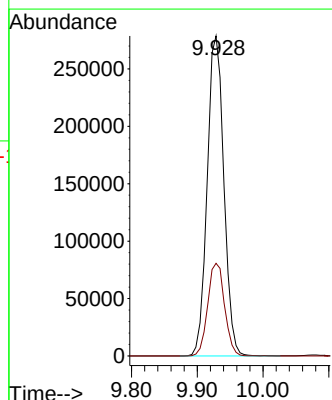
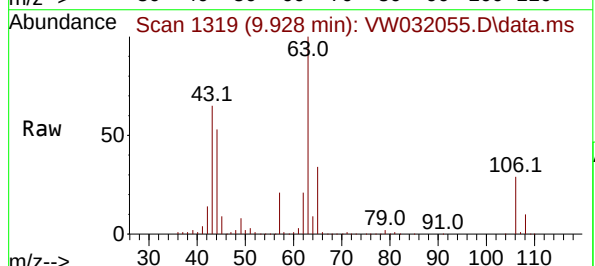
Acq: 11 Aug 2025 10:09

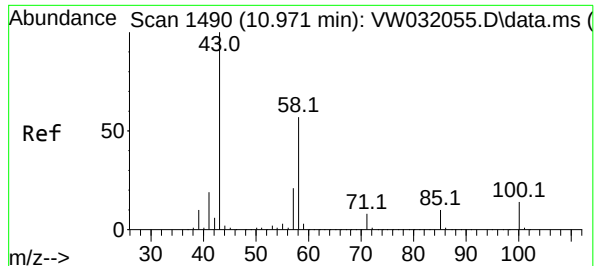
Tgt Ion: 63 Resp: 490522

Ion Ratio Lower Upper

63 100

106 29.4 23.5 35.3





#59

2-Hexanone

Concen: 284.986 ug/l

RT: 10.971 min Scan# 1490

Delta R.T. 0.000 min

Lab File: VW032055.D

Acq: 11 Aug 2025 10:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tgt Ion: 43 Resp: 44742

Ion Ratio Lower Upper

43 100

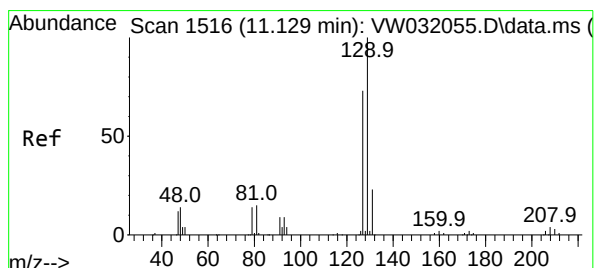
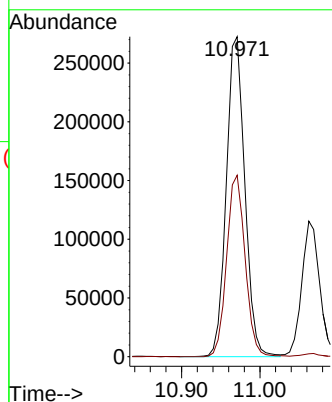
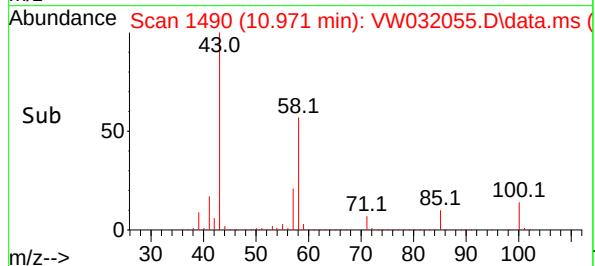
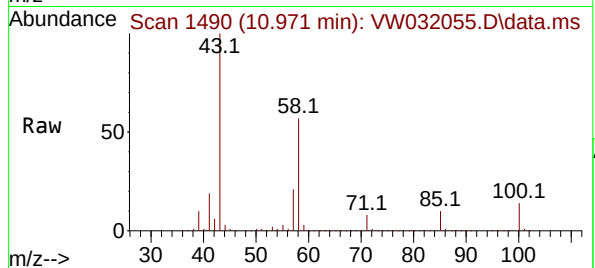
58 56.7 28.3 85.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025

Supervised By :Semsettin Yesilyurt 08/12/2025



#60

Dibromochloromethane

Concen: 52.161 ug/l

RT: 11.129 min Scan# 1516

Delta R.T. 0.000 min

Lab File: VW032055.D

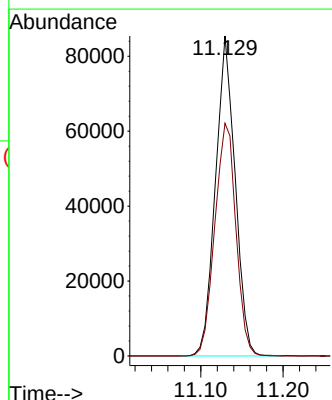
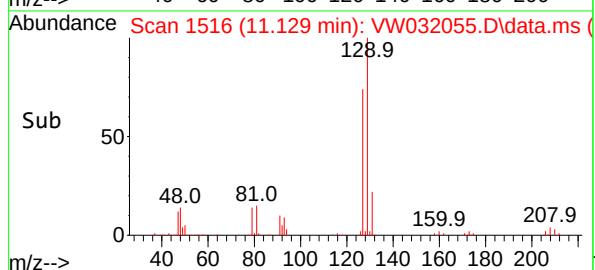
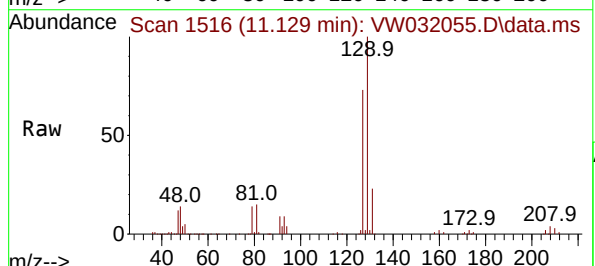
Acq: 11 Aug 2025 10:09

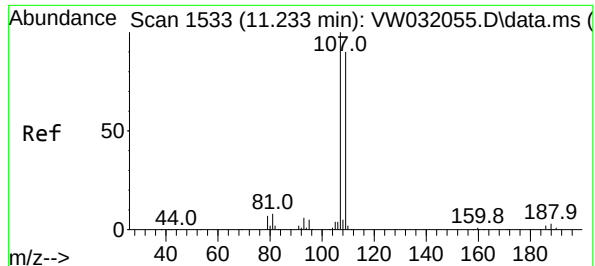
Tgt Ion:129 Resp: 142234

Ion Ratio Lower Upper

129 100

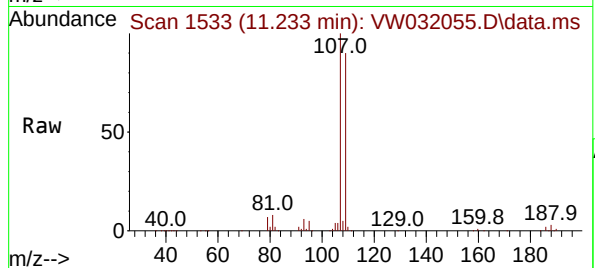
127 77.9 39.0 116.9





#61
1,2-Dibromoethane
Concen: 52.430 ug/l
RT: 11.233 min Scan# 1533
Delta R.T. 0.000 min
Lab File: VW032055.D
Acq: 11 Aug 2025 10:09

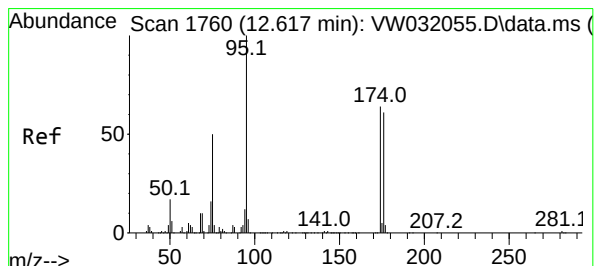
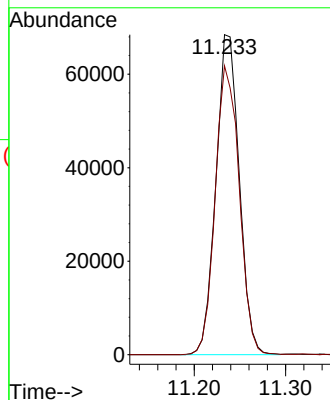
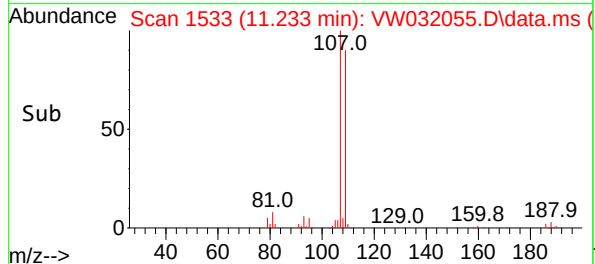
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050



Tgt Ion:107 Resp: 121625
Ion Ratio Lower Upper
107 100
109 92.8 74.2 111.4

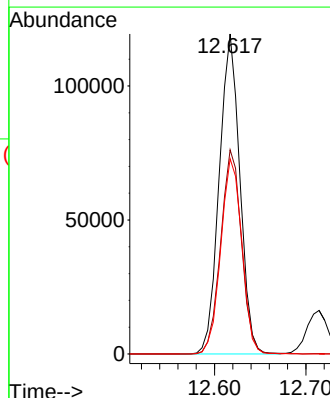
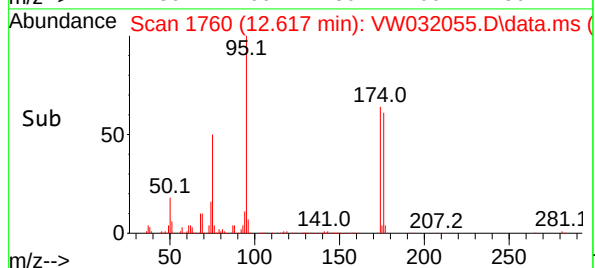
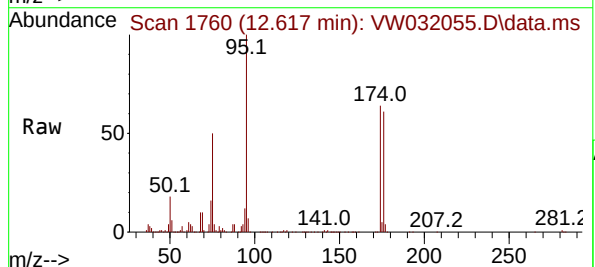
Manual Integrations
APPROVED

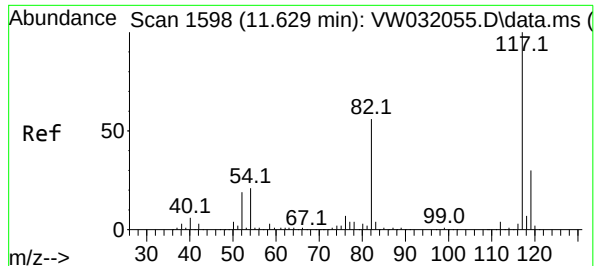
Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025



#62
4-Bromofluorobenzene
Concen: 52.274 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032055.D
Acq: 11 Aug 2025 10:09

Tgt Ion: 95 Resp: 187331
Ion Ratio Lower Upper
95 100
174 64.5 0.0 129.0
176 62.3 0.0 124.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.629 min Scan# 1598

Delta R.T. 0.000 min

Lab File: VW032055.D

Acq: 11 Aug 2025 10:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tgt Ion:117 Resp: 378090

Ion Ratio Lower Upper

117 100

82 56.2 45.0 67.4

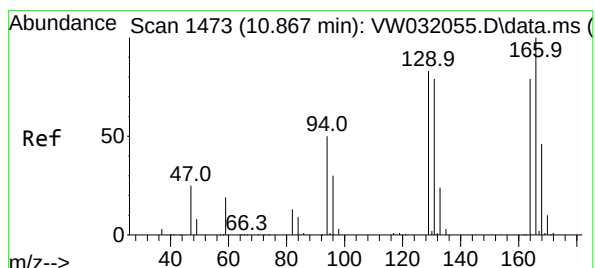
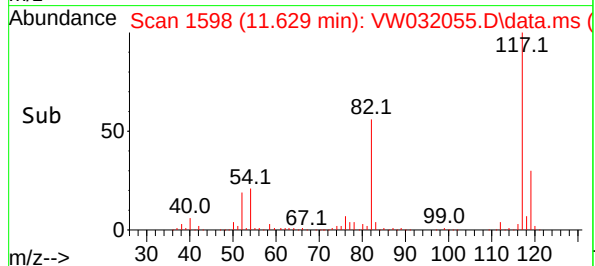
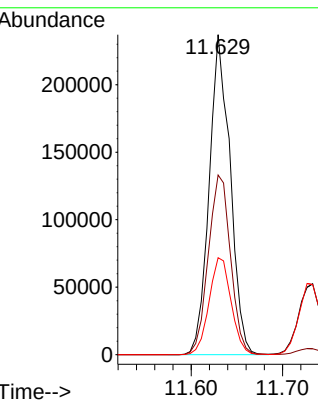
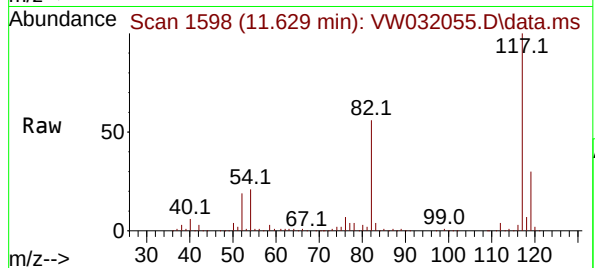
119 30.3 24.2 36.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025

Supervised By :Semsettin Yesilyurt 08/12/2025



#64

Tetrachloroethene

Concen: 48.263 ug/l

RT: 10.867 min Scan# 1473

Delta R.T. 0.000 min

Lab File: VW032055.D

Acq: 11 Aug 2025 10:09

Tgt Ion:164 Resp: 105400

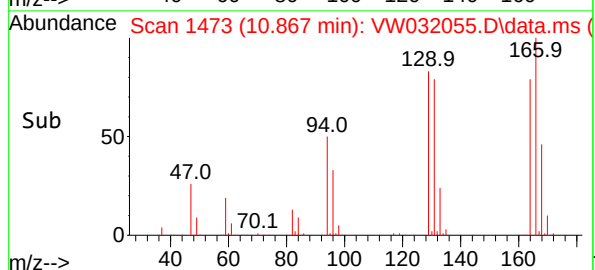
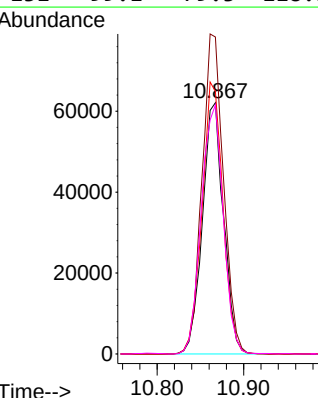
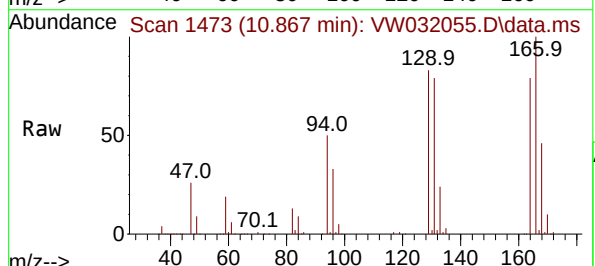
Ion Ratio Lower Upper

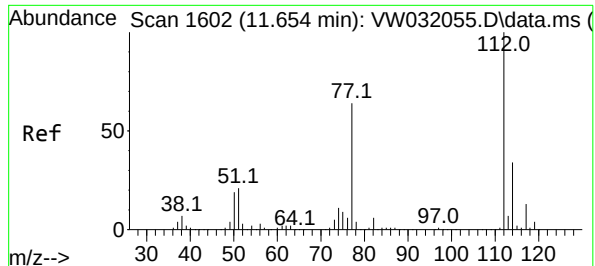
164 100

166 126.1 100.9 151.3

129 104.5 83.6 125.4

131 99.1 79.3 118.9





#65

Chlorobenzene

Concen: 49.082 ug/l

RT: 11.654 min Scan# 1602

Delta R.T. 0.000 min

Lab File: VW032055.D

Acq: 11 Aug 2025 10:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tgt Ion:112 Resp: 403920

Ion Ratio Lower Upper

112 100

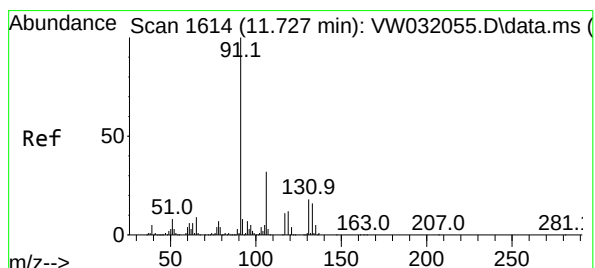
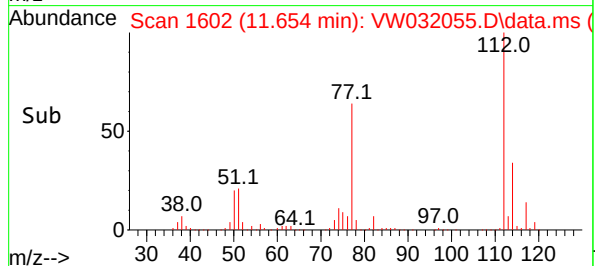
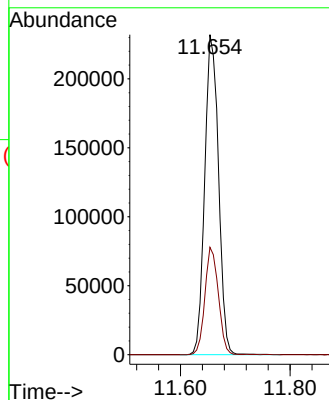
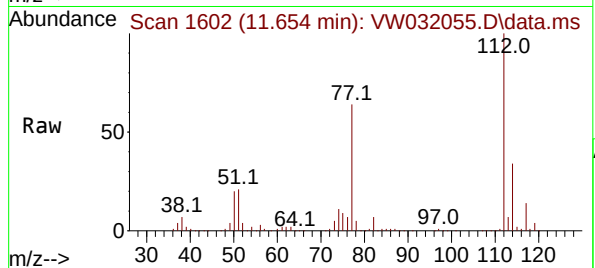
114 33.6 26.9 40.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025

Supervised By :Semsettin Yesilyurt 08/12/2025



#66

1,1,1,2-Tetrachloroethane

Concen: 49.935 ug/l

RT: 11.727 min Scan# 1614

Delta R.T. 0.000 min

Lab File: VW032055.D

Acq: 11 Aug 2025 10:09

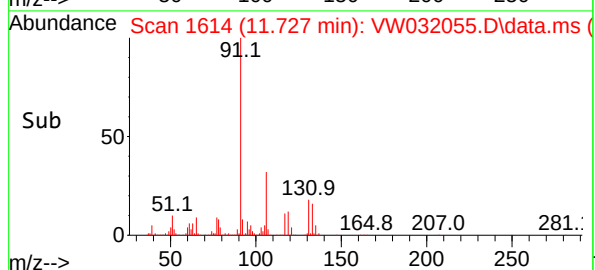
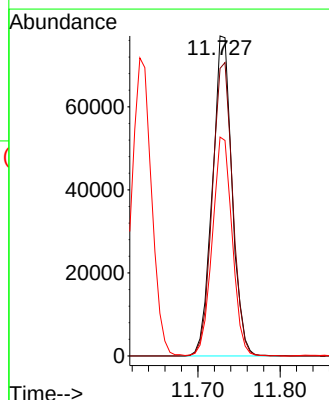
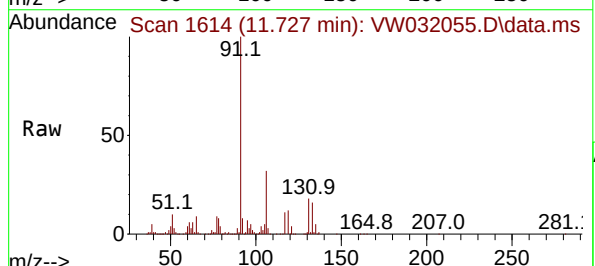
Tgt Ion:131 Resp: 128215

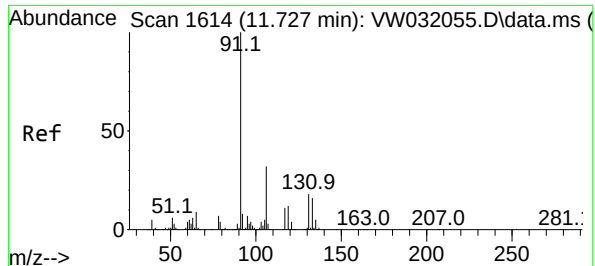
Ion Ratio Lower Upper

131 100

133 94.7 47.3 142.0

119 69.0 34.5 103.5





#67

Ethyl Benzene

Concen: 50.709 ug/l

RT: 11.727 min Scan# 1614

Delta R.T. 0.000 min

Lab File: VW032055.D

Acq: 11 Aug 2025 10:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tgt Ion: 91 Resp: 70687

Ion Ratio Lower Upper

91 100

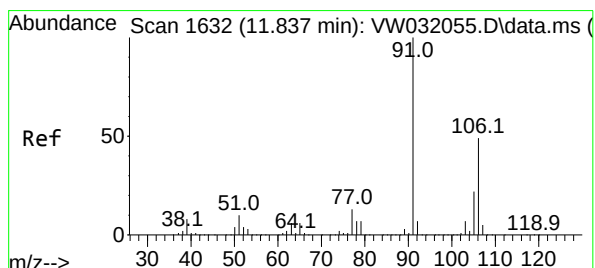
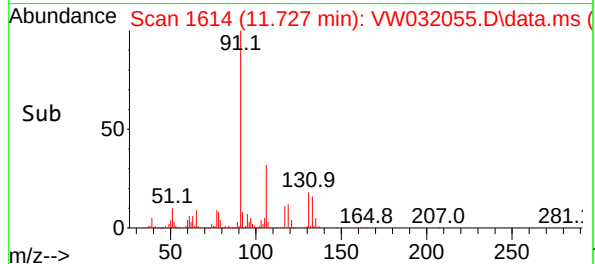
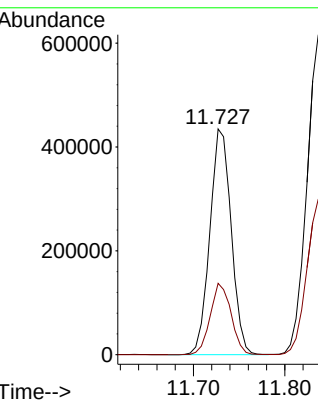
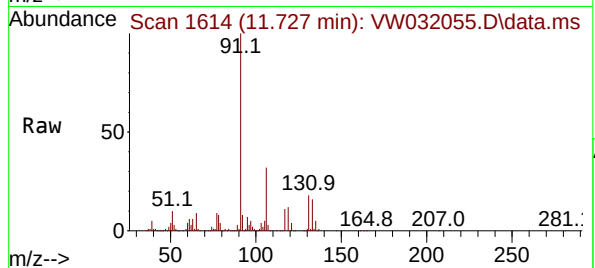
106 31.7 25.4 38.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025

Supervised By :Semsettin Yesilyurt 08/12/2025



#68

m/p-Xylenes

Concen: 102.704 ug/l

RT: 11.837 min Scan# 1632

Delta R.T. 0.000 min

Lab File: VW032055.D

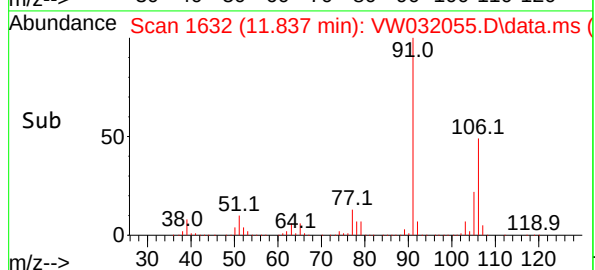
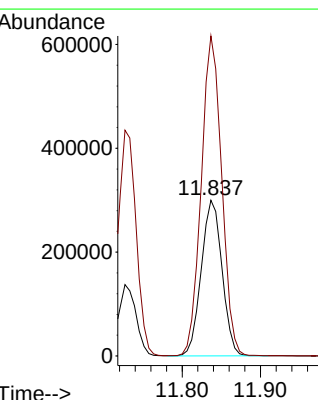
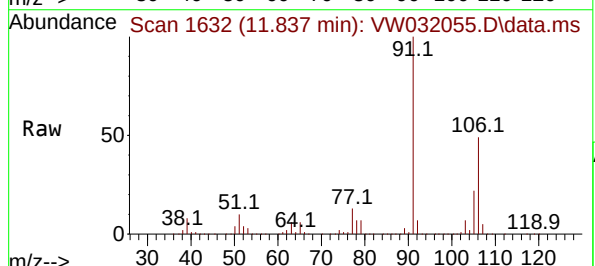
Acq: 11 Aug 2025 10:09

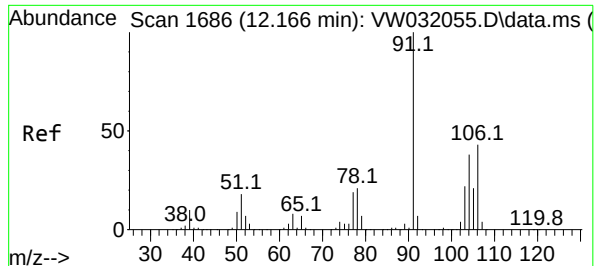
Tgt Ion:106 Resp: 552442

Ion Ratio Lower Upper

106 100

91 202.7 162.2 243.2





#69

o-Xylene

Concen: 51.812 ug/l

RT: 12.166 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW032055.D

Acq: 11 Aug 2025 10:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tgt Ion:106 Resp: 25759

Ion Ratio Lower Upper

106 100

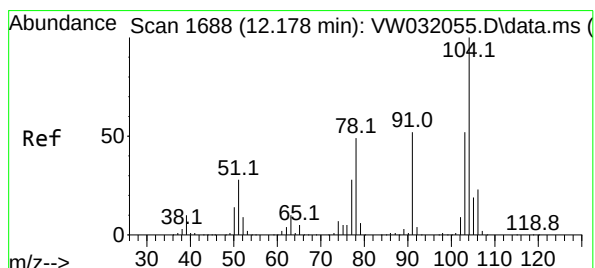
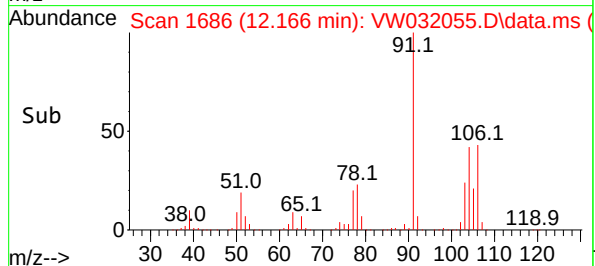
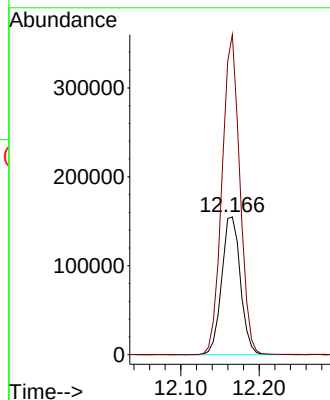
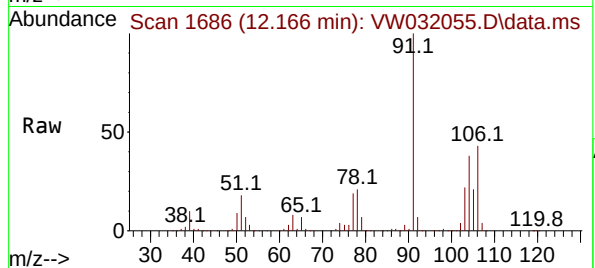
91 221.5 110.8 332.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025

Supervised By :Semsettin Yesilyurt 08/12/2025



#70

Styrene

Concen: 51.858 ug/l

RT: 12.178 min Scan# 1688

Delta R.T. 0.000 min

Lab File: VW032055.D

Acq: 11 Aug 2025 10:09

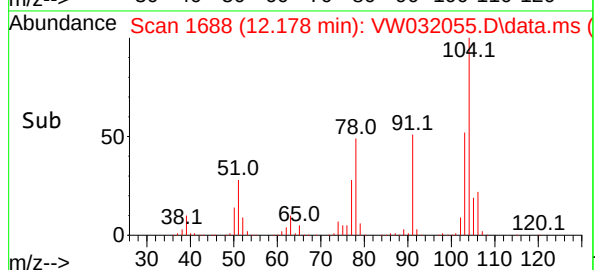
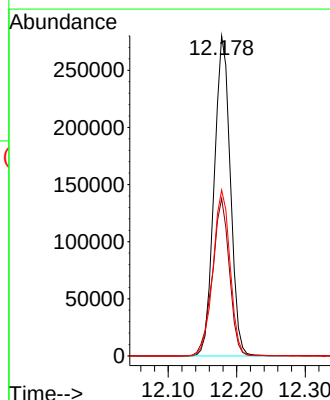
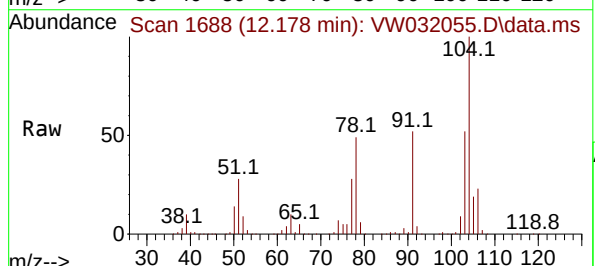
Tgt Ion:104 Resp: 457949

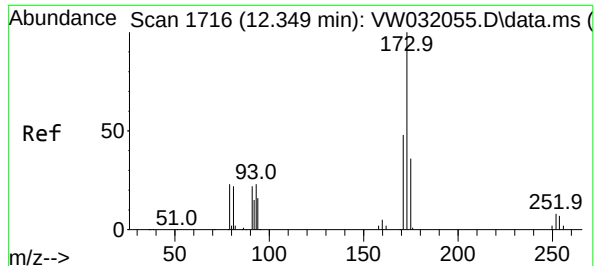
Ion Ratio Lower Upper

104 100

78 51.5 41.2 61.8

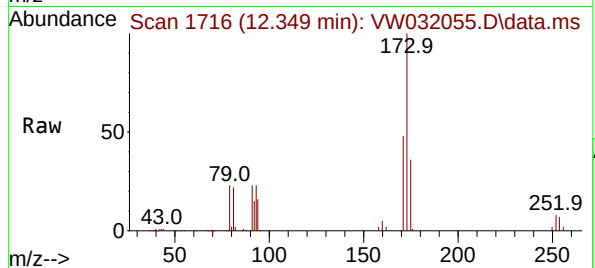
103 54.8 43.8 65.8





#71
Bromoform
Concen: 53.078 ug/l
RT: 12.349 min Scan# 1716
Delta R.T. 0.000 min
Lab File: VW032055.D
Acq: 11 Aug 2025 10:09

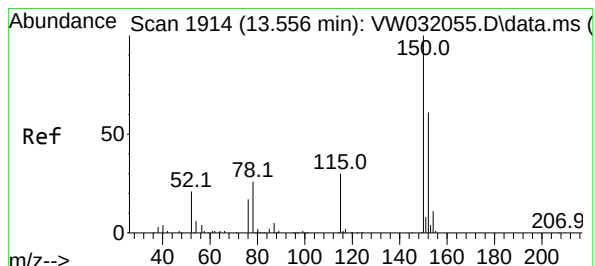
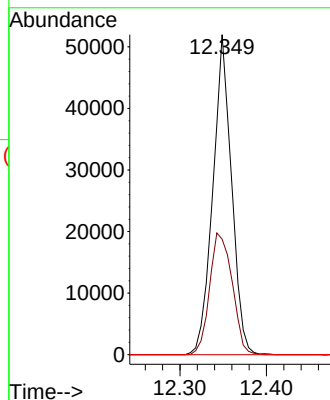
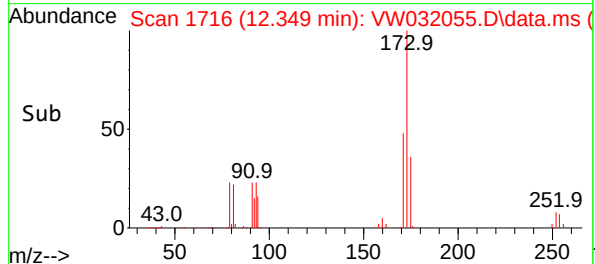
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050



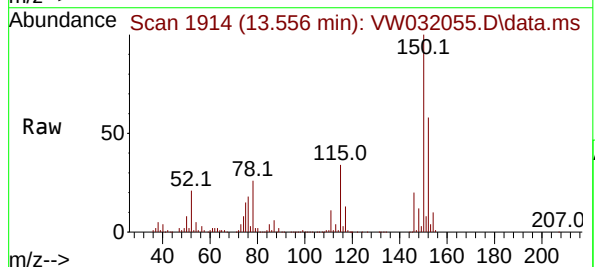
Tgt Ion:173 Resp: 77959
Ion Ratio Lower Upper
173 100
175 45.8 22.9 68.7
254 0.0 0.0 0.0

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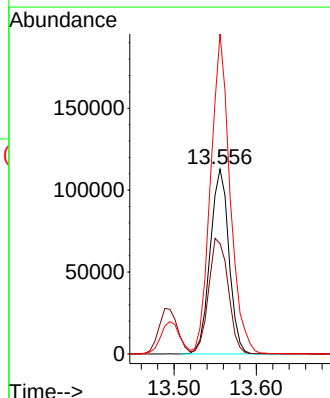
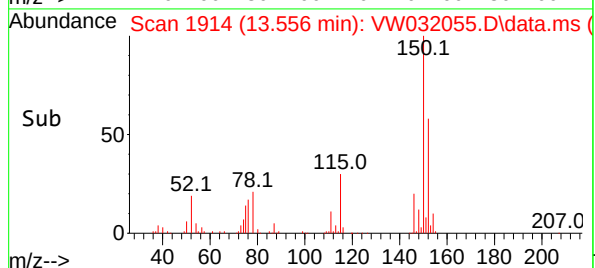
Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025

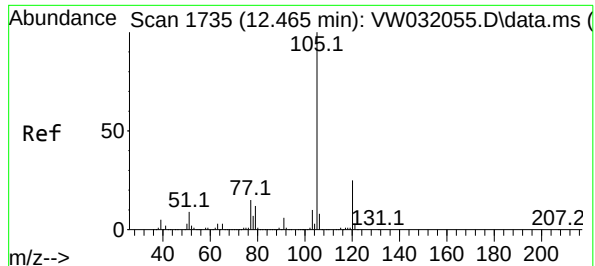


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW032055.D
Acq: 11 Aug 2025 10:09



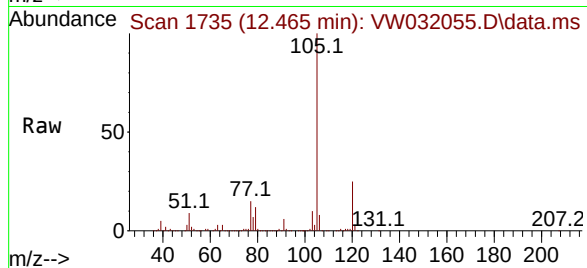
Tgt Ion:152 Resp: 178995
Ion Ratio Lower Upper
152 100
115 65.2 32.6 97.8
150 179.7 0.0 359.4





#73
Isopropylbenzene
Concen: 52.323 ug/l
RT: 12.465 min Scan# 1735
Delta R.T. 0.000 min
Lab File: VW032055.D
Acq: 11 Aug 2025 10:09

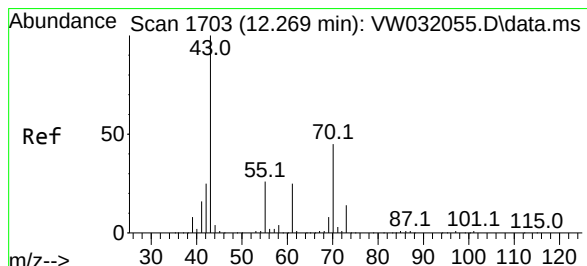
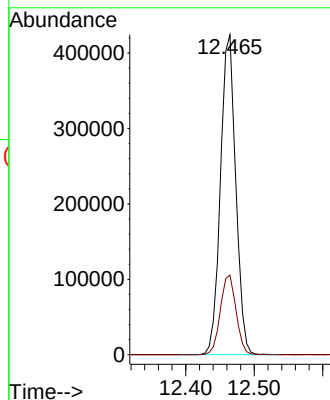
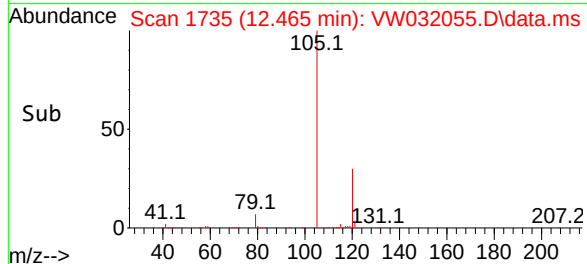
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050



Tgt Ion:105 Resp: 65452
Ion Ratio Lower Upper
105 100
120 25.6 12.8 38.4

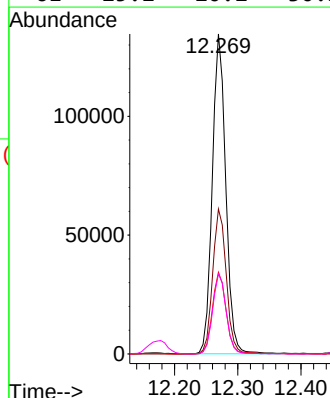
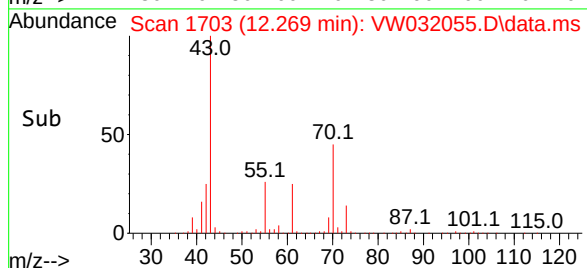
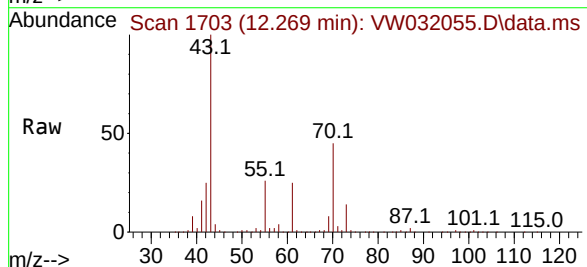
Manual Integrations
APPROVED

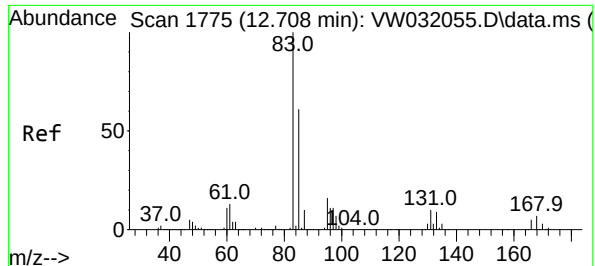
Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025



#74
N-ethyl acetate
Concen: 55.520 ug/l
RT: 12.269 min Scan# 1703
Delta R.T. 0.000 min
Lab File: VW032055.D
Acq: 11 Aug 2025 10:09

Tgt Ion: 43 Resp: 199256
Ion Ratio Lower Upper
43 100
70 46.2 37.0 55.4
55 26.4 21.1 31.7
61 25.2 20.2 30.2





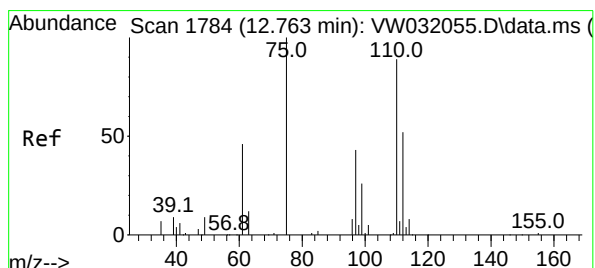
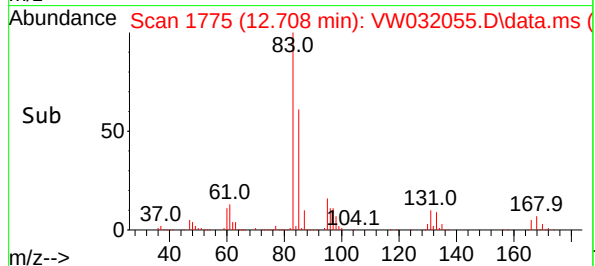
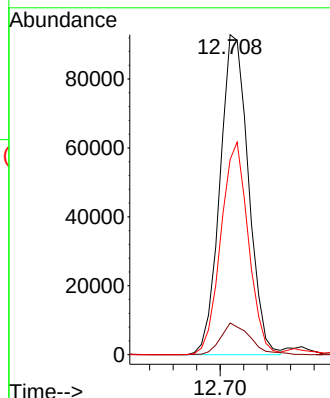
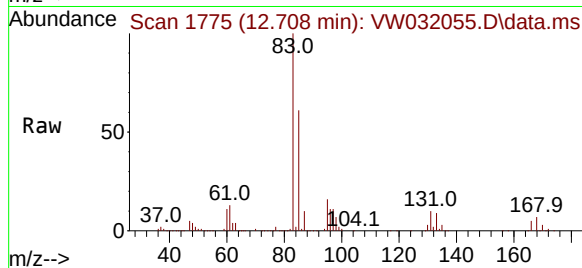
#75
1,1,2,2-Tetrachloroethane
Concen: 52.549 ug/l
RT: 12.708 min Scan# 1775
Delta R.T. 0.000 min
Lab File: VW032055.D
Acq: 11 Aug 2025 10:09

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion: 83 Resp: 156070
Ion Ratio Lower Upper
83 100
131 10.3 5.1 15.4
85 64.4 32.2 96.6

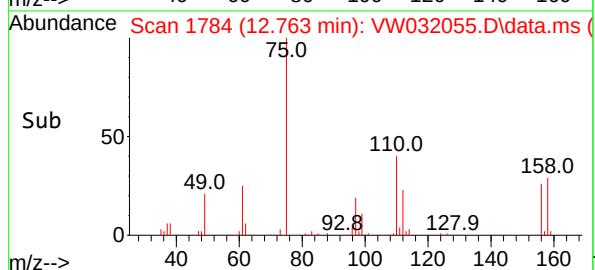
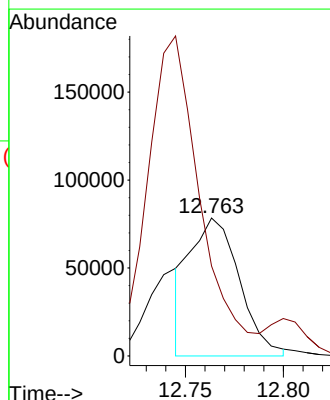
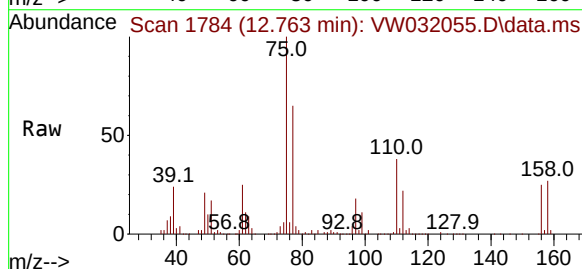
Manual Integrations
APPROVED

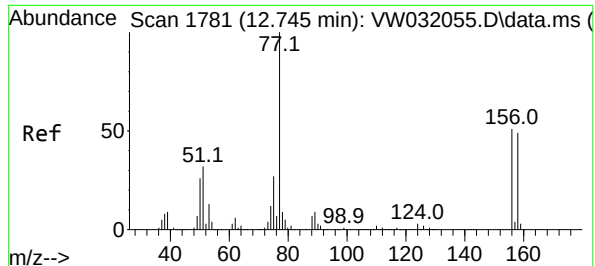
Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025



#76
1,2,3-Trichloropropane
Concen: 50.019 ug/l m
RT: 12.763 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VW032055.D
Acq: 11 Aug 2025 10:09

Tgt Ion: 75 Resp: 137632
Ion Ratio Lower Upper
75 100
77 247.0 123.5 370.5





#77

Bromobenzene

Concen: 52.326 ug/l

RT: 12.745 min Scan# 1781

Delta R.T. 0.000 min

Lab File: VW032055.D

Acq: 11 Aug 2025 10:09

Instrument :

MSVOA_W

ClientSampleId :

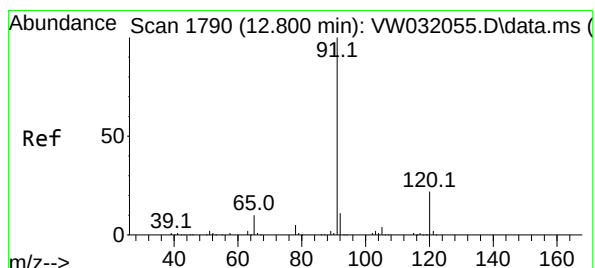
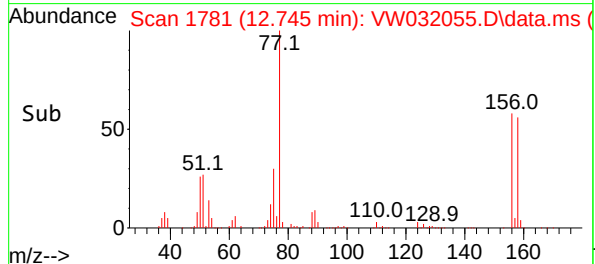
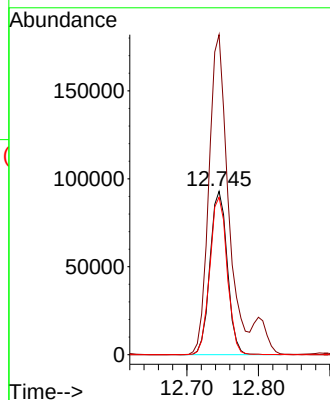
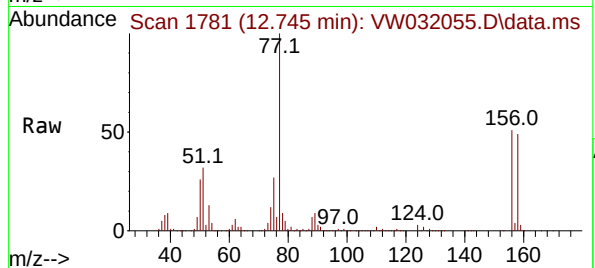
VSTDICCC050

Tgt Ion:	156	Resp:	15633
Ion Ratio	Lower	Upper	
156	100		
77	217.5	108.7	326.3
158	96.6	48.3	144.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025



#78

n-propylbenzene

Concen: 52.304 ug/l

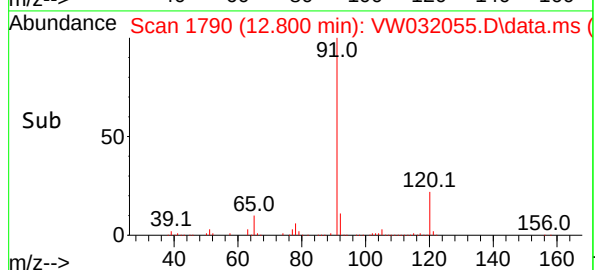
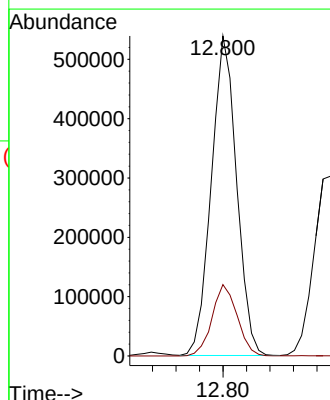
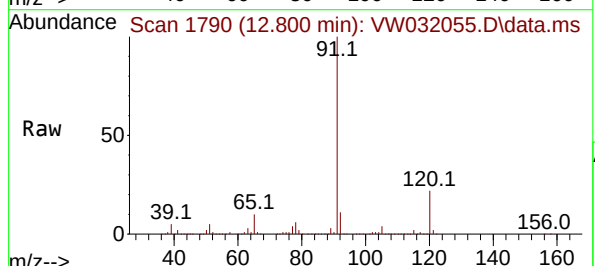
RT: 12.800 min Scan# 1790

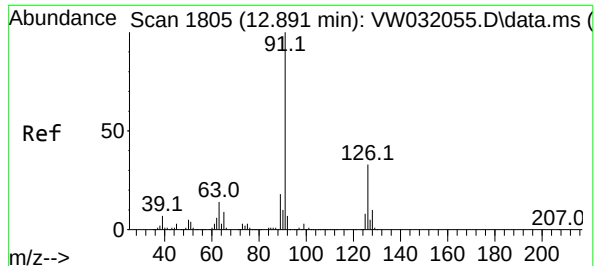
Delta R.T. 0.000 min

Lab File: VW032055.D

Acq: 11 Aug 2025 10:09

Tgt Ion:	91	Resp:	805515
Ion Ratio	Lower	Upper	
91	100		
120	22.2	11.1	33.3





#79

2-Chlorotoluene

Concen: 51.622 ug/l

RT: 12.891 min Scan# 1805

Delta R.T. 0.000 min

Lab File: VW032055.D

Acq: 11 Aug 2025 10:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tgt Ion: 91 Resp: 49066

Ion Ratio Lower Upper

91 100

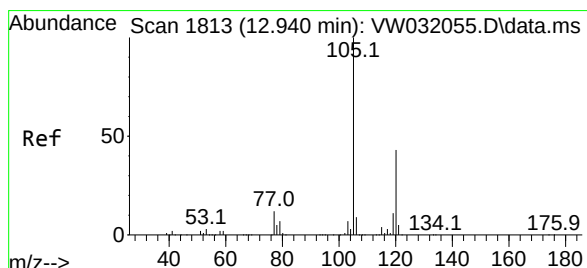
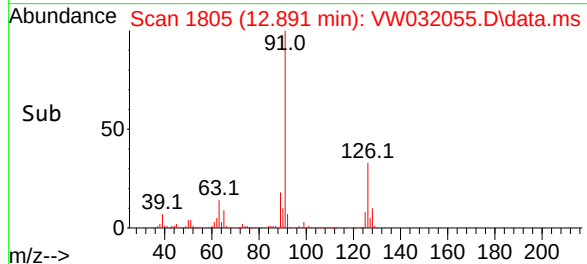
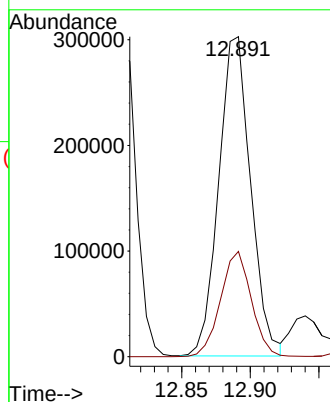
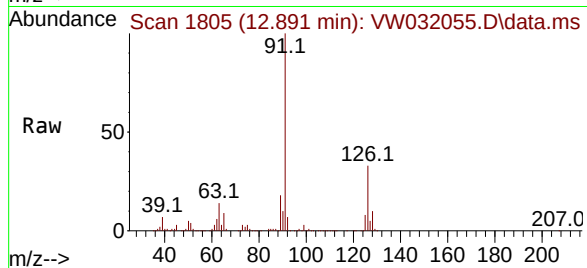
126 31.8 15.9 47.7

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025

Supervised By :Semsettin Yesilyurt 08/12/2025



#80

1,3,5-Trimethylbenzene

Concen: 52.305 ug/l

RT: 12.940 min Scan# 1813

Delta R.T. 0.000 min

Lab File: VW032055.D

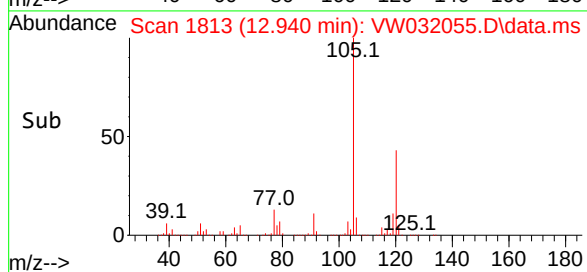
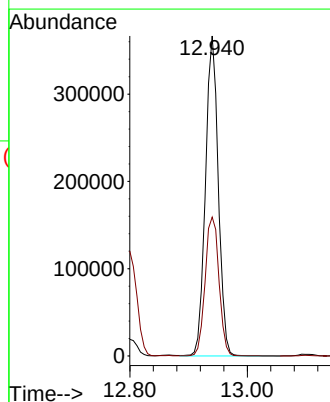
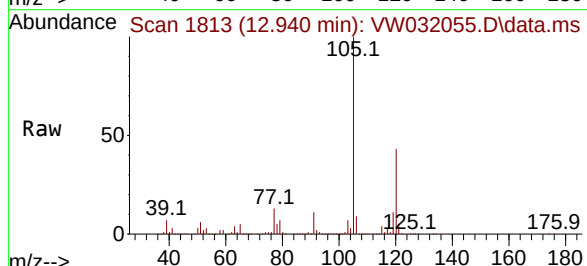
Acq: 11 Aug 2025 10:09

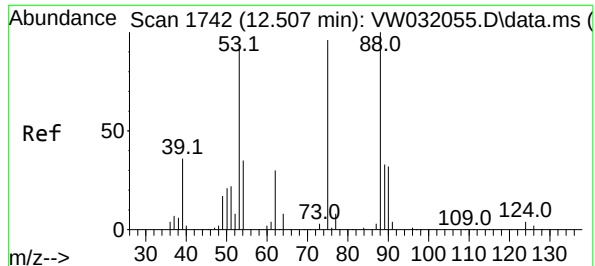
Tgt Ion:105 Resp: 555481

Ion Ratio Lower Upper

105 100

120 46.7 23.4 70.0





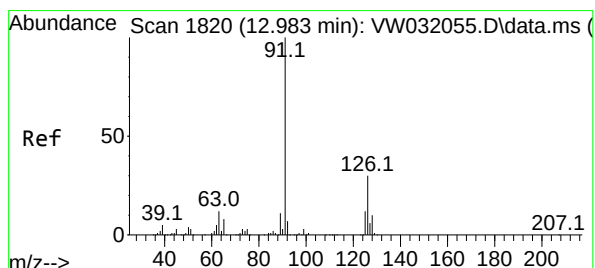
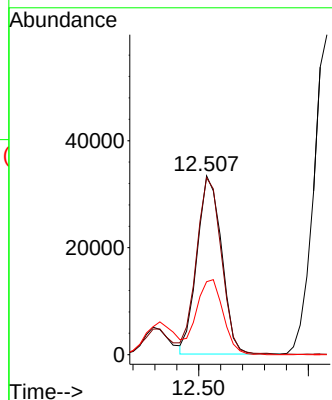
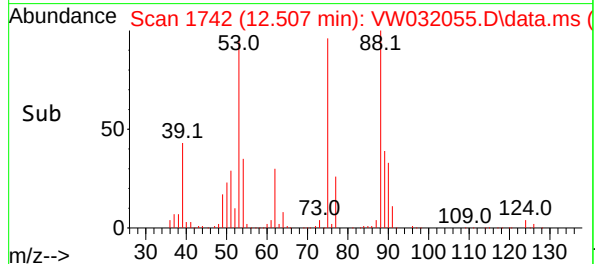
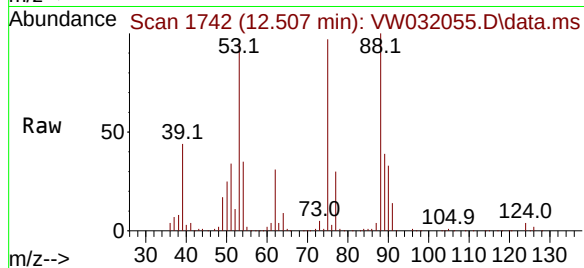
#81
trans-1,4-Dichloro-2-butene
Concen: 55.213 ug/l
RT: 12.507 min Scan# 1742
Delta R.T. 0.000 min
Lab File: VW032055.D
Acq: 11 Aug 2025 10:09

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion	Ratio	Lower	Upper
75	100		
53	101.3	81.0	121.6
89	46.6	37.3	55.9

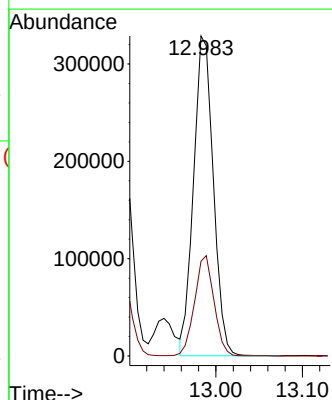
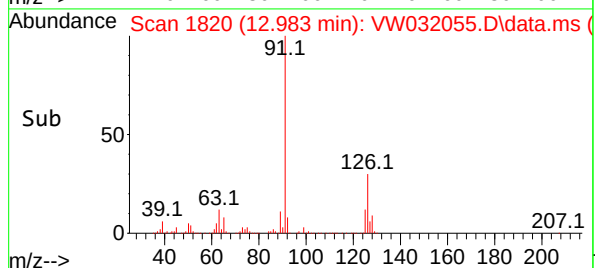
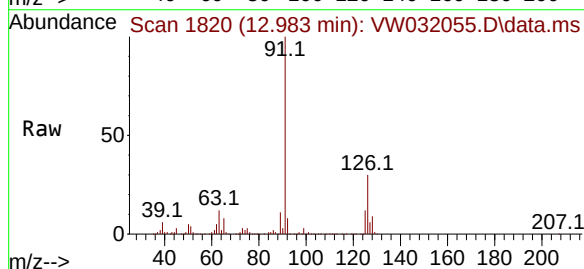
Manual Integrations
APPROVED

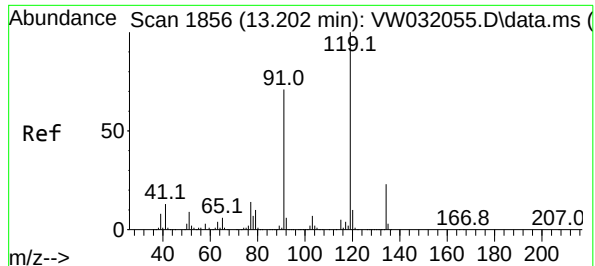
Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025



#82
4-Chlorotoluene
Concen: 51.488 ug/l
RT: 12.983 min Scan# 1820
Delta R.T. 0.000 min
Lab File: VW032055.D
Acq: 11 Aug 2025 10:09

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.0	15.5	46.5





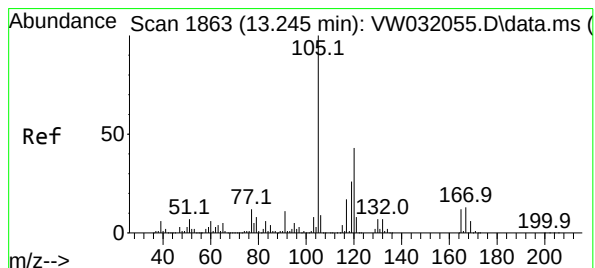
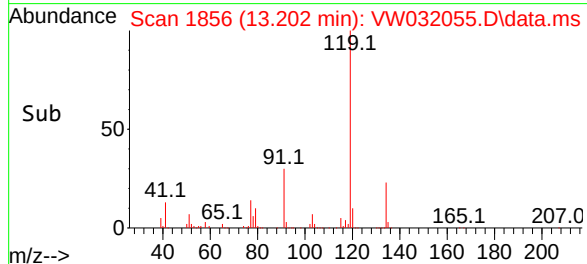
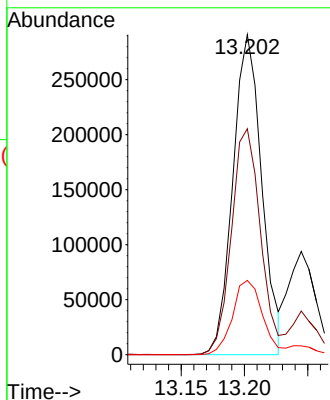
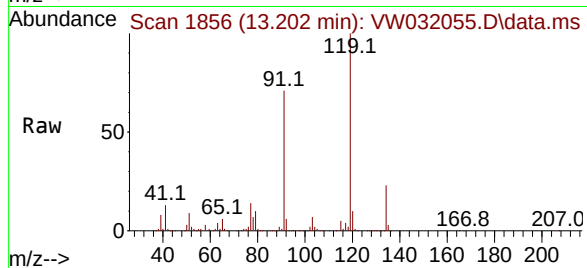
#83
tert-Butylbenzene
Concen: 52.460 ug/l
RT: 13.202 min Scan# 1856
Delta R.T. 0.000 min
Lab File: VW032055.D
Acq: 11 Aug 2025 10:09

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion:119 Resp: 46237
Ion Ratio Lower Upper
119 100
91 70.6 35.3 105.9
134 24.2 12.1 36.3

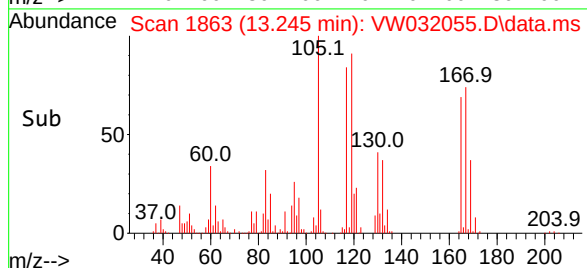
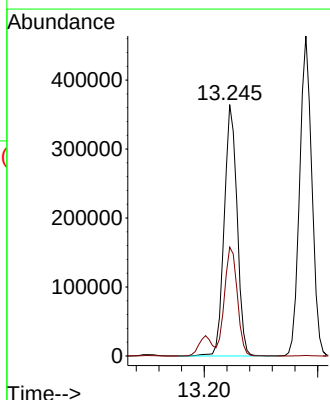
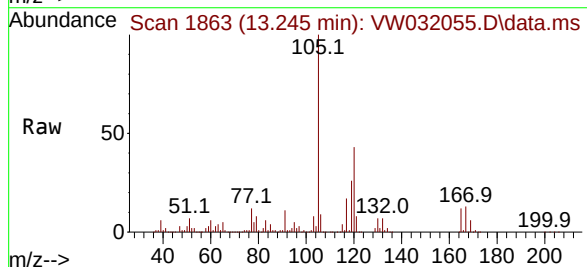
Manual Integrations
APPROVED

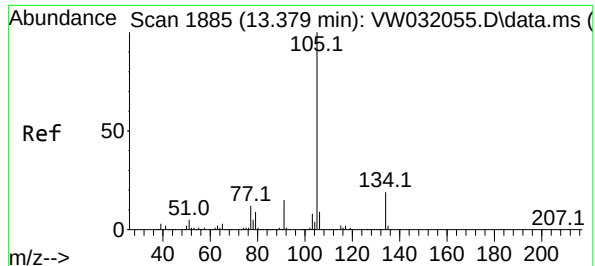
Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025



#84
1,2,4-Trimethylbenzene
Concen: 52.950 ug/l
RT: 13.245 min Scan# 1863
Delta R.T. 0.000 min
Lab File: VW032055.D
Acq: 11 Aug 2025 10:09

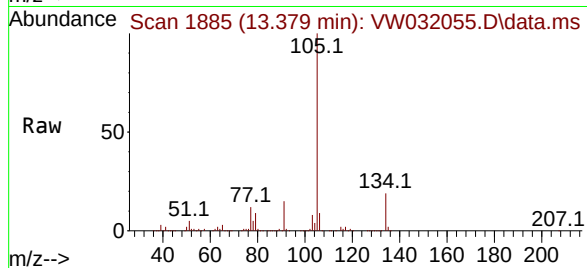
Tgt Ion:105 Resp: 572429
Ion Ratio Lower Upper
105 100
120 43.2 21.6 64.8





#85
sec-Butylbenzene
Concen: 51.829 ug/l
RT: 13.379 min Scan# 1885
Delta R.T. 0.000 min
Lab File: VW032055.D
Acq: 11 Aug 2025 10:09

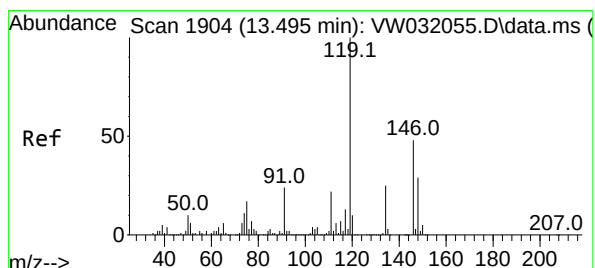
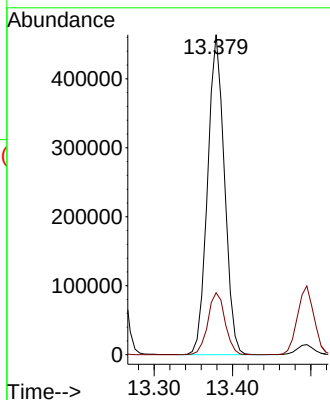
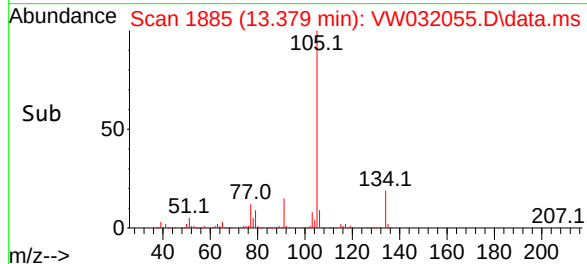
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050



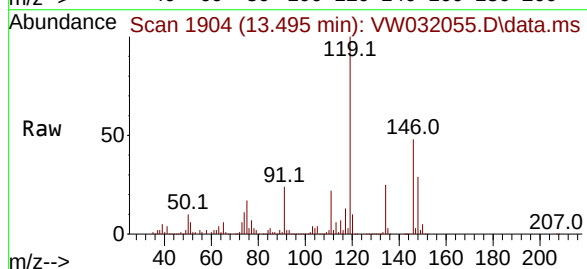
Tgt Ion:105 Resp: 69064
Ion Ratio Lower Upper
105 100
134 19.8 9.9 29.7

Manual Integrations
APPROVED

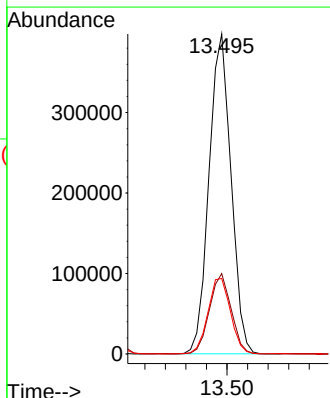
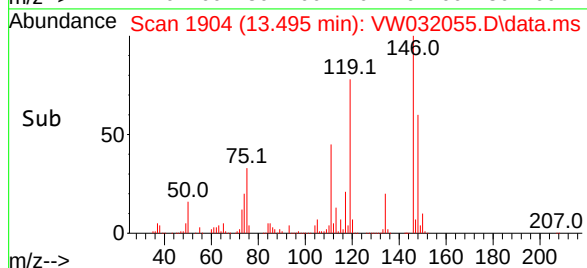
Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025

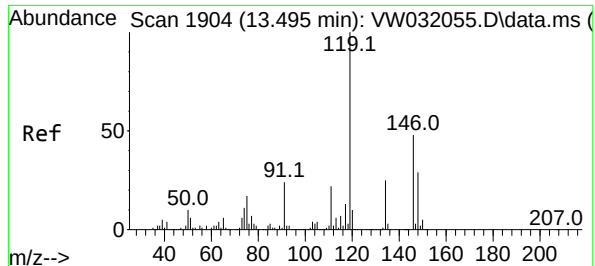


#86
p-Isopropyltoluene
Concen: 53.089 ug/l
RT: 13.495 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VW032055.D
Acq: 11 Aug 2025 10:09



Tgt Ion:119 Resp: 589769
Ion Ratio Lower Upper
119 100
134 24.7 12.4 37.0
91 24.2 12.1 36.3





#87

1,3-Dichlorobenzene

Concen: 52.754 ug/l

RT: 13.495 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VW032055.D

Acq: 11 Aug 2025 10:09

Instrument :

MSVOA_W

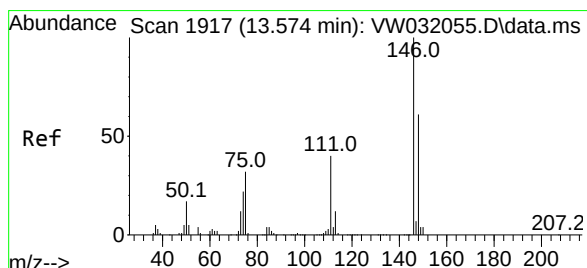
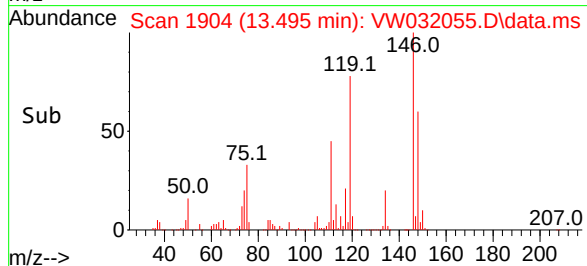
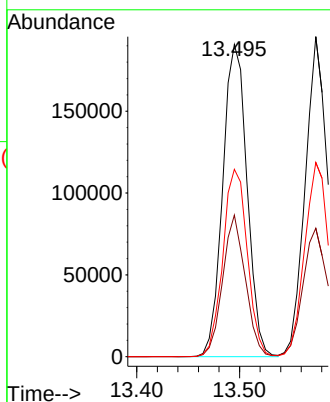
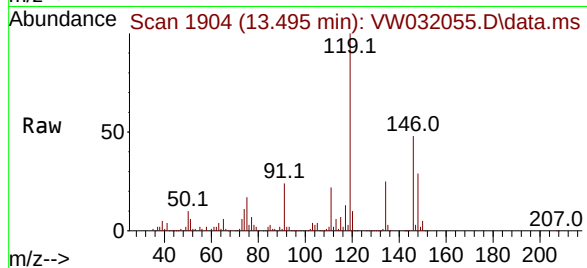
ClientSampleId :

VSTDICCC050

Tgt Ion:	146	Resp:	313624
Ion Ratio	Lower	Upper	
146	100		
111	42.4	21.2	63.6
148	60.5	30.3	90.8

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025



#88

1,4-Dichlorobenzene

Concen: 49.844 ug/l

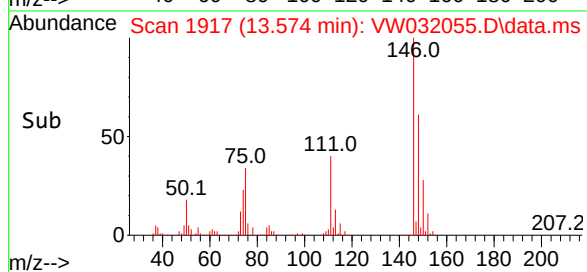
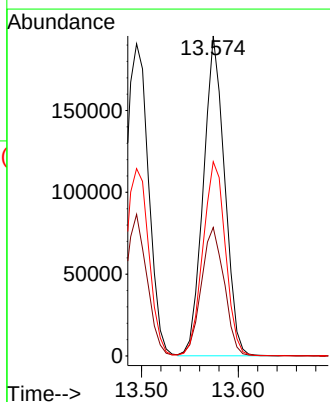
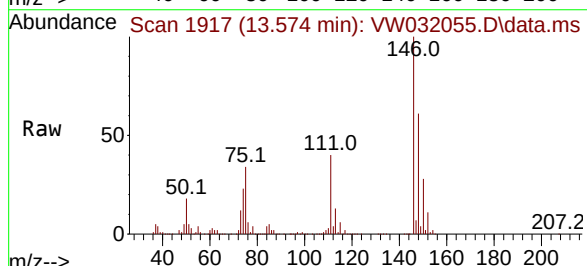
RT: 13.574 min Scan# 1917

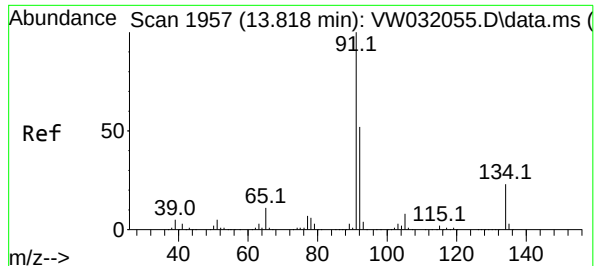
Delta R.T. 0.000 min

Lab File: VW032055.D

Acq: 11 Aug 2025 10:09

Tgt Ion:	146	Resp:	299453
Ion Ratio	Lower	Upper	
146	100		
111	43.1	21.6	64.6
148	64.1	32.0	96.2





#89

n-Butylbenzene

Concen: 52.756 ug/l

RT: 13.818 min Scan# 1957

Delta R.T. 0.000 min

Lab File: VW032055.D

Acq: 11 Aug 2025 10:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tgt Ion: 91 Resp: 569364

Ion Ratio Lower Upper

91 100

92 53.4 26.7 80.1

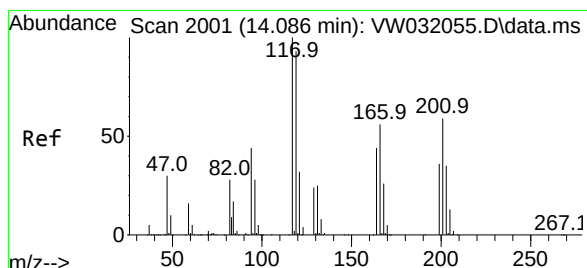
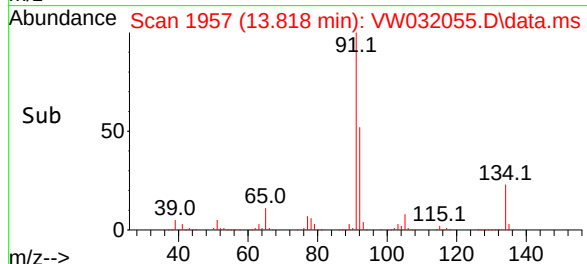
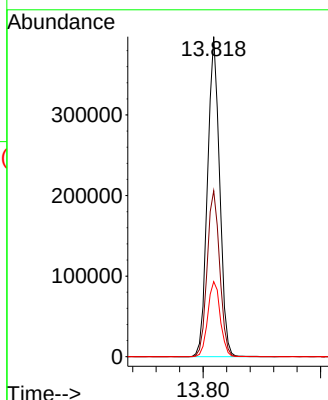
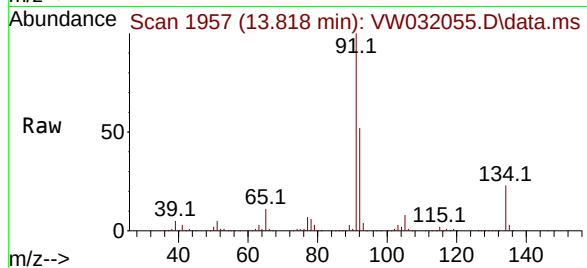
134 24.1 12.0 36.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025

Supervised By :Semsettin Yesilyurt 08/12/2025



#90

Hexachloroethane

Concen: 49.942 ug/l

RT: 14.086 min Scan# 2001

Delta R.T. 0.000 min

Lab File: VW032055.D

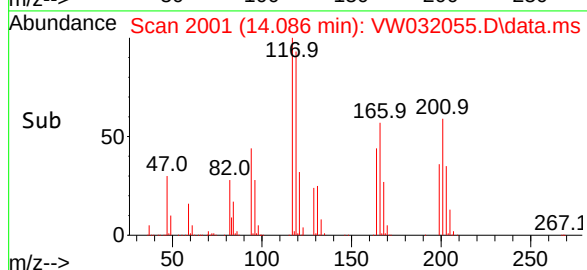
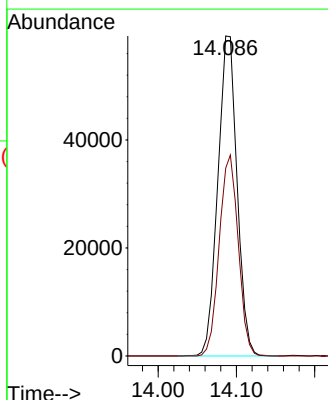
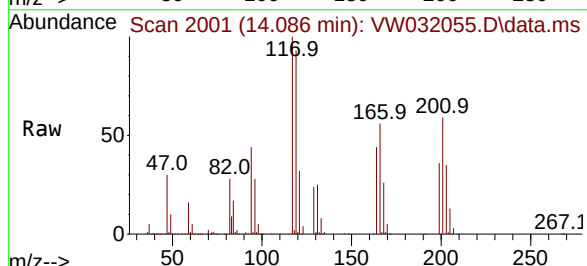
Acq: 11 Aug 2025 10:09

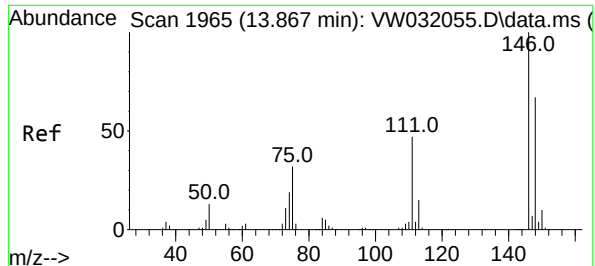
Tgt Ion:117 Resp: 101464

Ion Ratio Lower Upper

117 100

201 61.7 30.9 92.5





#91

1,2-Dichlorobenzene

Concen: 50.801 ug/l

RT: 13.867 min Scan# 1965

Delta R.T. 0.000 min

Lab File: VW032055.D

Acq: 11 Aug 2025 10:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tgt Ion:146 Resp: 27358

Ion Ratio Lower Upper

146 100

111 46.2 23.1 69.3

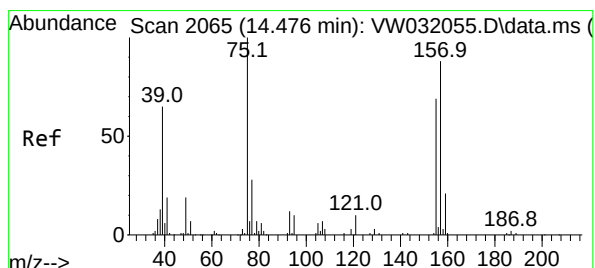
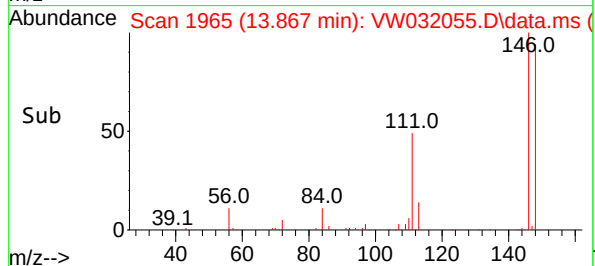
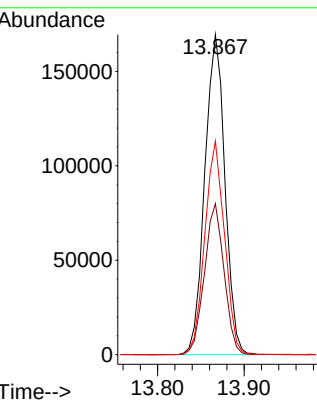
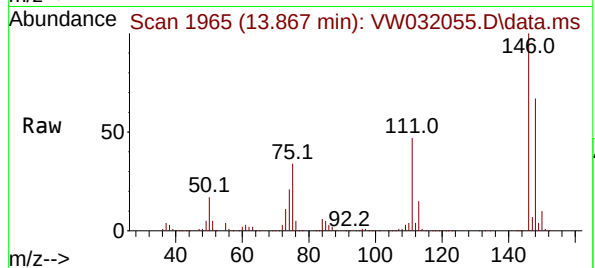
148 65.7 32.9 98.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025

Supervised By :Semsettin Yesilyurt 08/12/2025



#92

1,2-Dibromo-3-Chloropropane

Concen: 53.857 ug/l

RT: 14.476 min Scan# 2065

Delta R.T. 0.000 min

Lab File: VW032055.D

Acq: 11 Aug 2025 10:09

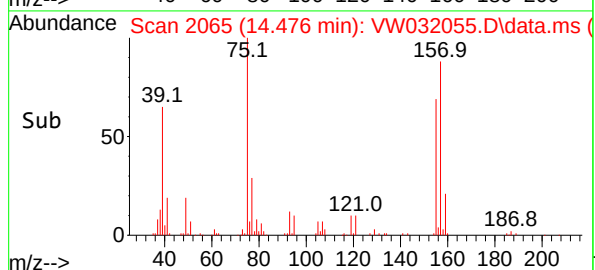
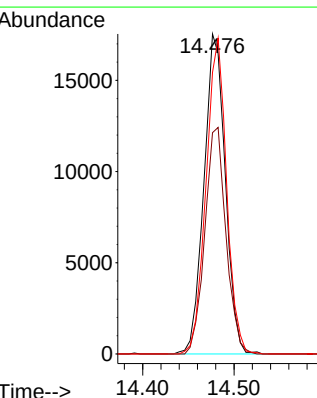
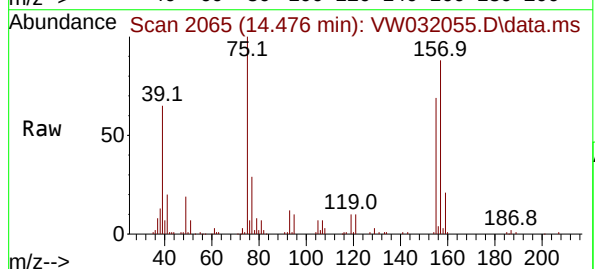
Tgt Ion: 75 Resp: 28437

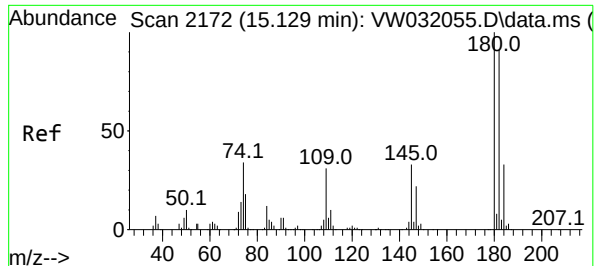
Ion Ratio Lower Upper

75 100

155 70.4 35.2 105.6

157 95.1 47.5 142.6





#93

1,2,4-Trichlorobenzene

Concen: 51.132 ug/l

RT: 15.129 min Scan# 2172

Delta R.T. 0.000 min

Lab File: VW032055.D

Acq: 11 Aug 2025 10:09

Instrument :

MSVOA_W

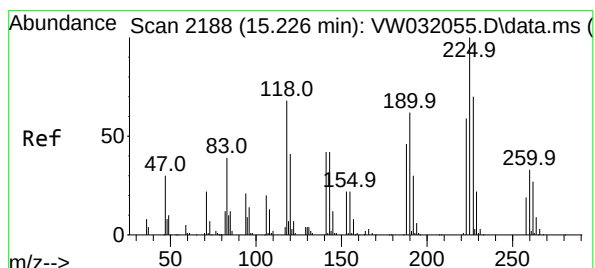
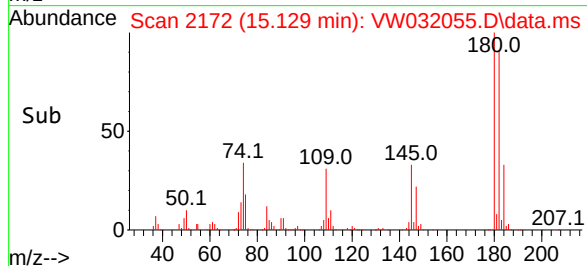
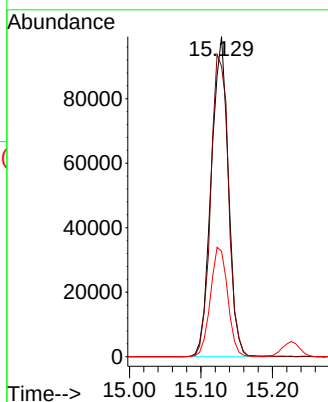
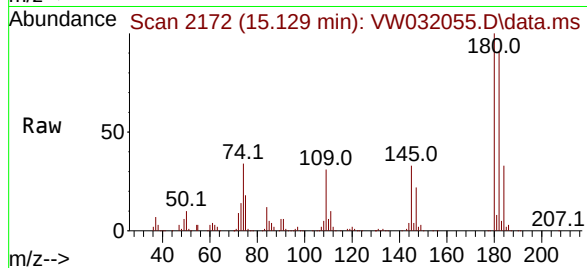
ClientSampleId :

VSTDICCC050

Tgt Ion:	180	Resp:	164720
Ion Ratio	Lower	Upper	
180	100		
182	98.0	49.0	147.0
145	34.6	17.3	51.9

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025



#94

Hexachlorobutadiene

Concen: 47.902 ug/l

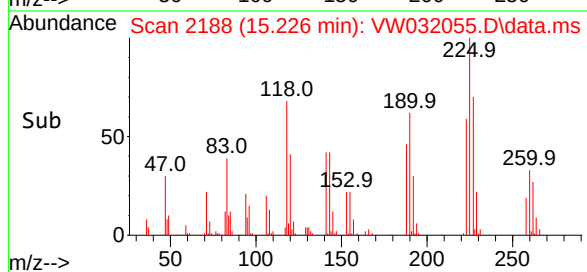
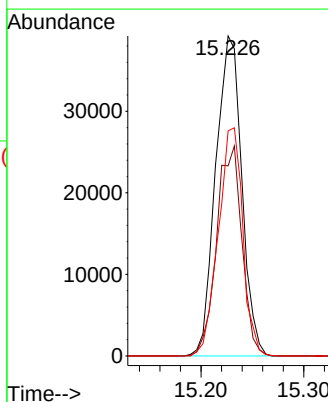
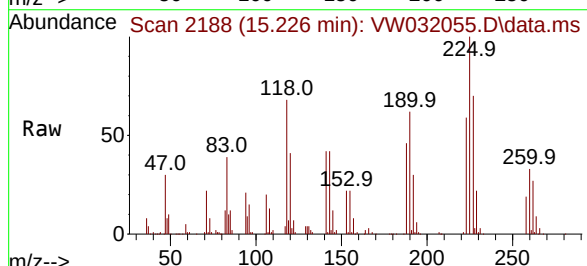
RT: 15.226 min Scan# 2188

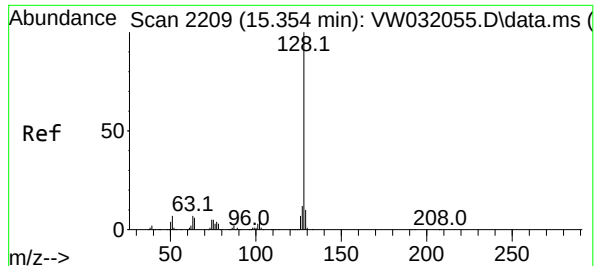
Delta R.T. 0.000 min

Lab File: VW032055.D

Acq: 11 Aug 2025 10:09

Tgt Ion:	225	Resp:	68983
Ion Ratio	Lower	Upper	
225	100		
223	63.5	31.8	95.3
227	67.0	33.5	100.5





#95

Naphthalene

Concen: 55.099 ug/l

RT: 15.354 min Scan# 2209

Delta R.T. 0.000 min

Lab File: VW032055.D

Acq: 11 Aug 2025 10:09

Instrument :

MSVOA_W

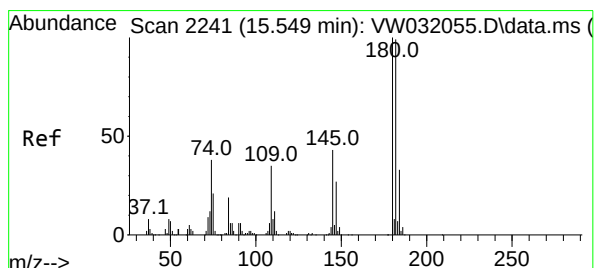
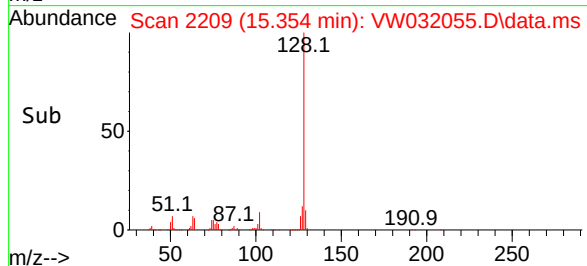
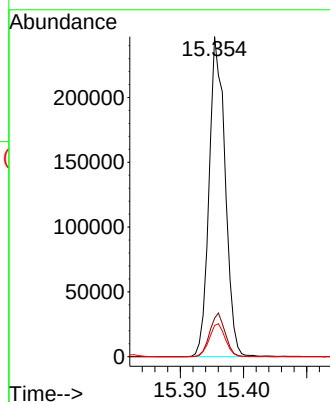
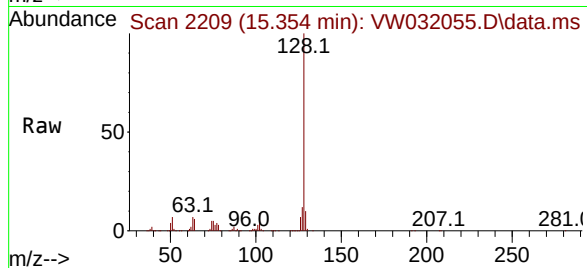
ClientSampleId :

VSTDICCC050

Tgt Ion:128	Resp:	434944
Ion Ratio	Lower	Upper
128	100	
127	13.1	10.5 15.7
129	10.3	8.2 12.4

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025



#96

1,2,3-Trichlorobenzene

Concen: 51.022 ug/l

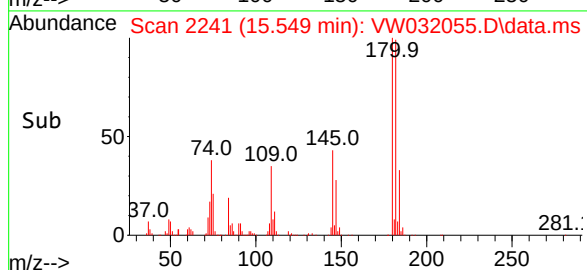
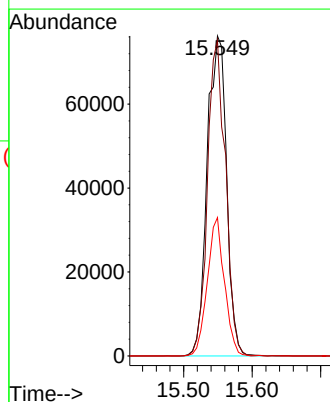
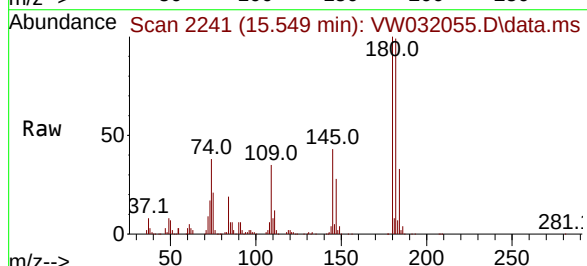
RT: 15.549 min Scan# 2241

Delta R.T. 0.000 min

Lab File: VW032055.D

Acq: 11 Aug 2025 10:09

Tgt Ion:180	Resp:	149556
Ion Ratio	Lower	Upper
180	100	
182	92.0	46.0 138.0
145	38.4	19.2 57.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081125\
 Data File : VW032056.D
 Acq On : 11 Aug 2025 10:46
 Operator : SY/MD
 Sample : VSTDICC100
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

Reviewed By :Mahesh
 Dadoda

Quant Time: Aug 12 03:39:28 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 12 03:34:13 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.965	168	221384	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	424901	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	387705	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	180763	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.313	65	315411	98.509	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	= 197.020%#	
35) Dibromofluoromethane	7.898	113	266117	96.945	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	= 193.900%#	
50) Toluene-d8	10.325	98	1005940	99.078	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	= 198.160%#	
62) 4-Bromofluorobenzene	12.617	95	372416	99.536	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	= 199.080%#	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.040	85	140330	88.627	ug/l	100
3) Chloromethane	2.253	50	200261	93.894	ug/l	99
4) Vinyl Chloride	2.405	62	239040	92.654	ug/l	94
5) Bromomethane	2.820	94	182687	94.386	ug/l	96
6) Chloroethane	2.966	64	164961	96.628	ug/l	98
7) Trichlorofluoromethane	3.295	101	182663	88.382	ug/l	96
8) Diethyl Ether	3.716	74	164632	97.227	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.100	101	224293	91.988	ug/l	100
10) Methyl Iodide	4.301	142	336162	97.237	ug/l	99
11) Tert butyl alcohol	5.216	59	99671	480.735	ug/l	100
12) 1,1-Dichloroethene	4.070	96	251341	93.615	ug/l	92
13) Acrolein	3.923	56	148403	449.230	ug/l	100
14) Allyl chloride	4.698	41	385062	98.543	ug/l	99
15) Acrylonitrile	5.393	53	388290	481.445	ug/l	99
16) Acetone	4.155	43	328664	443.358	ug/l	100
17) Carbon Disulfide	4.417	76	693616	96.248	ug/l	97
18) Methyl Acetate	4.704	43	218695	93.230	ug/l	98
19) Methyl tert-butyl Ether	5.460	73	473924	100.184	ug/l	99
20) Methylene Chloride	4.954	84	285049	83.165	ug/l	98
21) trans-1,2-Dichloroethene	5.454	96	281466	98.787	ug/l	98
22) Diisopropyl ether	6.332	45	829703	100.722	ug/l	98
23) Vinyl Acetate	6.277	43	2803250	518.312	ug/l	100
24) 1,1-Dichloroethane	6.240	63	519360	98.678	ug/l	99
25) 2-Butanone	7.191	43	515739	489.508	ug/l	99
26) 2,2-Dichloropropane	7.185	77	249271	94.405	ug/l	100
27) cis-1,2-Dichloroethene	7.185	96	343091	103.016	ug/l	97
28) Bromochloromethane	7.526	49	230727	96.333	ug/l	100
29) Tetrahydrofuran	7.551	42	338578	487.284	ug/l	99
30) Chloroform	7.685	83	550232	98.613	ug/l	96
31) Cyclohexane	7.965	56	416558	91.292	ug/l	96
32) 1,1,1-Trichloroethane	7.880	97	384671	94.913	ug/l	99
36) 1,1-Dichloropropene	8.093	75	373215	96.444	ug/l	99
37) Ethyl Acetate	7.270	43	221929	97.375	ug/l	99
38) Carbon Tetrachloride	8.081	117	362373	97.035	ug/l	91
39) Methylcyclohexane	9.337	83	459134	97.342	ug/l	97
40) Benzene	8.331	78	1160107	96.444	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081125\
 Data File : VW032056.D
 Acq On : 11 Aug 2025 10:46
 Operator : SY/MD
 Sample : VSTDICC100
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

Reviewed By :Mahesh
 Dadoda

Quant Time: Aug 12 03:39:28 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 12 03:34:13 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.496	41	135773	105.048	ug/l	97
42) 1,2-Dichloroethane	8.410	62	364674	94.743	ug/l	100
43) Isopropyl Acetate	8.435	43	413211	98.543	ug/l	99
44) Trichloroethene	9.093	130	270995	94.602	ug/l	99
45) 1,2-Dichloropropane	9.374	63	278124	95.707	ug/l	99
46) Dibromomethane	9.465	93	177966	94.888	ug/l	98
47) Bromodichloromethane	9.648	83	422958	97.867	ug/l	98
48) Methyl methacrylate	9.441	41	202632	100.098	ug/l	98
49) 1,4-Dioxane	9.459	88	46383	1912.696	ug/l	99
51) 4-Methyl-2-Pentanone	10.209	43	1127080	476.209	ug/l	99
52) Toluene	10.386	92	753592	99.464	ug/l	96
53) t-1,3-Dichloropropene	10.605	75	410734	101.442	ug/l	95
54) cis-1,3-Dichloropropene	10.075	75	468972	102.096	ug/l	98
55) 1,1,2-Trichloroethane	10.788	97	239507	96.099	ug/l	97
56) Ethyl methacrylate	10.642	69	348446	104.477	ug/l	99
57) 1,3-Dichloropropane	10.934	76	412949	95.056	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.928	63	948129	513.956	ug/l	99
59) 2-Hexanone	10.965	43	793810	484.283	ug/l	99
60) Dibromochloromethane	11.129	129	282060	99.074	ug/l	99
61) 1,2-Dibromoethane	11.233	107	240542	99.317	ug/l	99
64) Tetrachloroethene	10.867	164	213297	95.247	ug/l	94
65) Chlorobenzene	11.654	112	808609	95.819	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.727	131	253284	96.197	ug/l	97
67) Ethyl Benzene	11.727	91	1418619	99.243	ug/l	96
68) m/p-Xylenes	11.837	106	1089143	197.459	ug/l	97
69) o-Xylene	12.166	106	523329	102.652	ug/l	97
70) Styrene	12.178	104	916019	101.158	ug/l	100
71) Bromoform	12.349	173	145781	96.794	ug/l #	92
73) Isopropylbenzene	12.458	105	1299533	102.870	ug/l	100
74) N-amyl acetate	12.269	43	378722	104.494	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.708	83	286977	95.677	ug/l	99
76) 1,2,3-Trichloropropane	12.763	75	208848m	75.158	ug/l	
77) Bromobenzene	12.745	156	311049	103.091	ug/l	96
78) n-propylbenzene	12.800	91	1589147	102.177	ug/l	99
79) 2-Chlorotoluene	12.891	91	974324	101.505	ug/l	99
80) 1,3,5-Trimethylbenzene	12.940	105	1092987	101.912	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.507	75	98906	104.370	ug/l	98
82) 4-Chlorotoluene	12.983	91	1013836	99.412	ug/l	99
83) tert-Butylbenzene	13.202	119	922044	103.591	ug/l	98
84) 1,2,4-Trimethylbenzene	13.245	105	1089327	99.778	ug/l	96
85) sec-Butylbenzene	13.379	105	1372324	101.978	ug/l	98
86) p-Isopropyltoluene	13.495	119	1128935	100.630	ug/l	99
87) 1,3-Dichlorobenzene	13.495	146	572145	95.298	ug/l	96
88) 1,4-Dichlorobenzene	13.574	146	587417	96.819	ug/l	99
89) n-Butylbenzene	13.818	91	1103362	101.235	ug/l	99
90) Hexachloroethane	14.086	117	204823	99.832	ug/l	99
91) 1,2-Dichlorobenzene	13.867	146	524204	96.387	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.476	75	50993	95.632	ug/l	97
93) 1,2,4-Trichlorobenzene	15.129	180	338661	104.094	ug/l	97
94) Hexachlorobutadiene	15.226	225	138434	95.189	ug/l	98
95) Naphthalene	15.360	128	841296	105.533	ug/l	99
96) 1,2,3-Trichlorobenzene	15.549	180	313033	105.748	ug/l	99

08/12/2025
 Supervised By :Semsettin
 Yesilyurt

08/12/2025

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081125\
Data File : VW032056.D
Acq On : 11 Aug 2025 10:46
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 12 03:39:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 12 03:34:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Mahesh
Dadoda

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

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

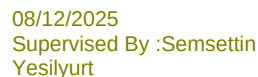
08/12/2025
Supervised By :Semsettin
Yesilyurt

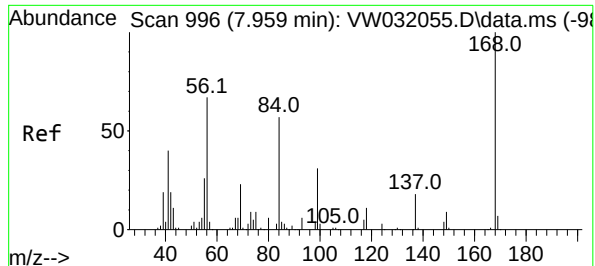
08/12/2025

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

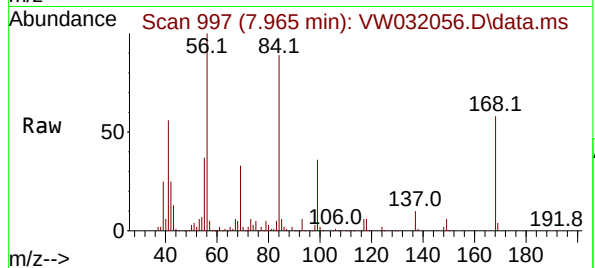
Reviewed By :Mahesh
Dadoda





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 99
Delta R.T. 0.006 min
Lab File: VW032056.D
Acq: 11 Aug 2025 10:46

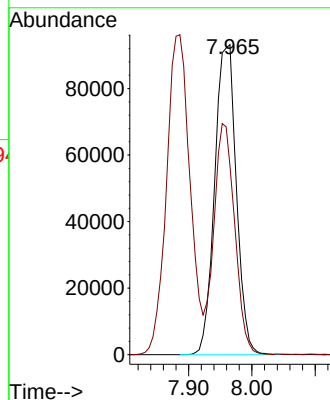
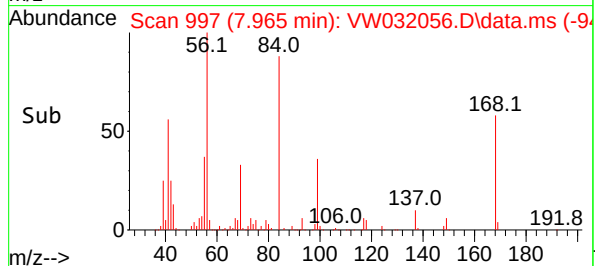
Instrument :
MSVOA_W
Client Sample Id :
VSTDIC100



Tgt Ion: 168 Resp: 221384
Ion Ratio Lower Upper
168 100
99 60.8 56.0 84.0

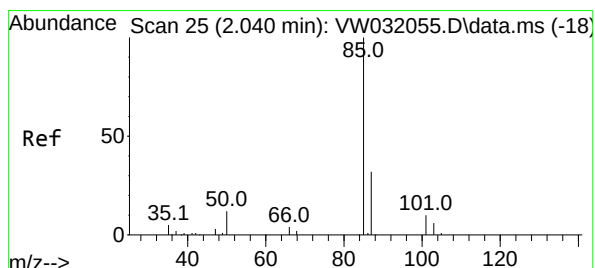
Manual Integrations
APPROVED

Reviewed By : Mahesh
Dadoda



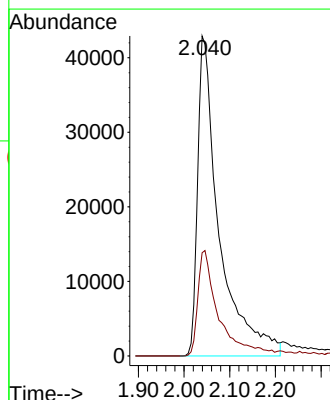
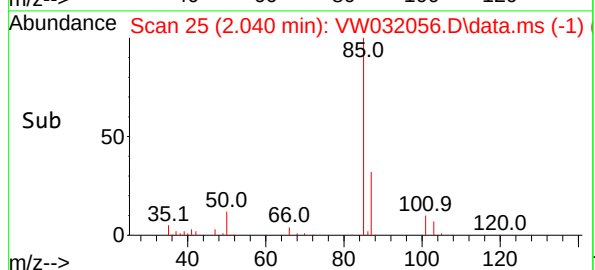
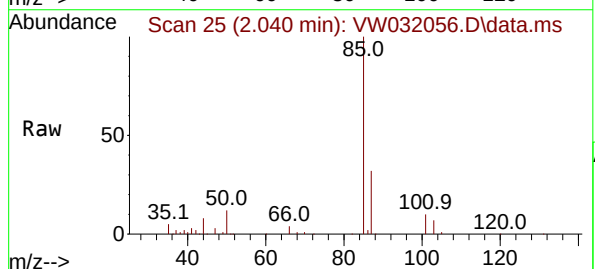
08/12/2025
Supervised By : Semsettin
Yesilyurt

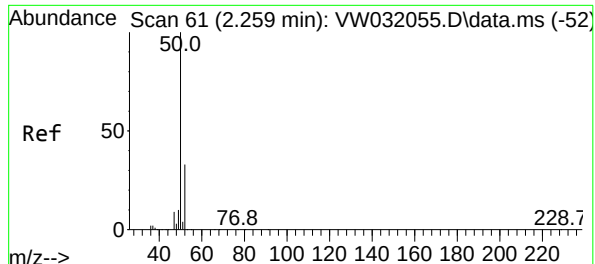
08/12/2025



#2
Dichlorodifluoromethane
Concen: 88.627 ug/l
RT: 2.040 min Scan# 25
Delta R.T. -0.000 min
Lab File: VW032056.D
Acq: 11 Aug 2025 10:46

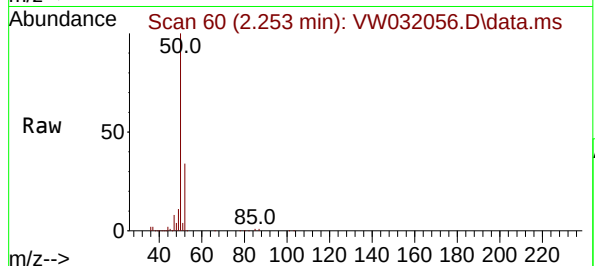
Tgt Ion: 85 Resp: 140330
Ion Ratio Lower Upper
85 100
87 32.3 16.2 48.6





#3
Chloromethane
Concen: 93.894 ug/l
RT: 2.253 min Scan# 60
Delta R.T. -0.006 min
Lab File: VW032056.D
Acq: 11 Aug 2025 10:46

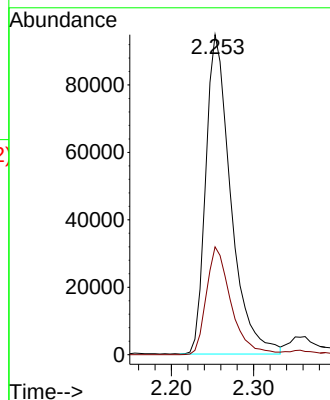
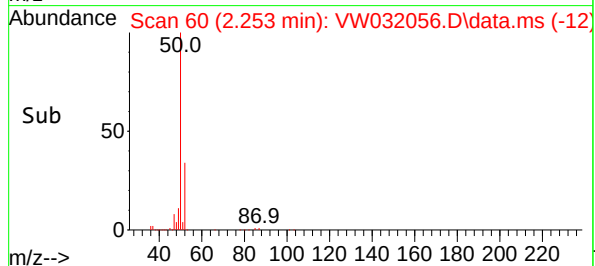
Instrument :
MSVOA_W
Client Sample Id :
VSTDICC100



Tgt Ion: 50 Resp: 20026
Ion Ratio Lower Upper
50 100
52 33.8 26.6 39.8

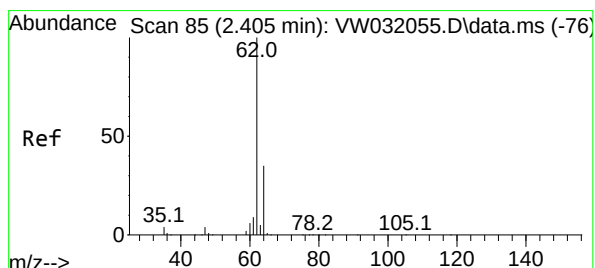
Manual Integrations
APPROVED

Reviewed By :Mahesh
Dadoda



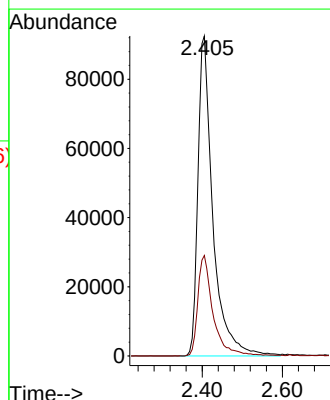
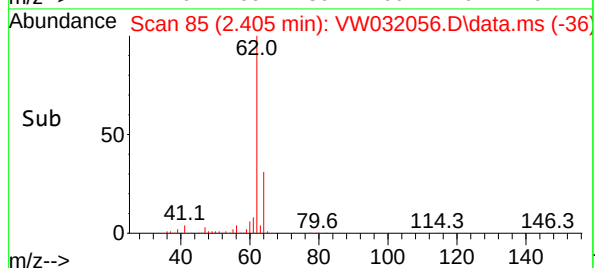
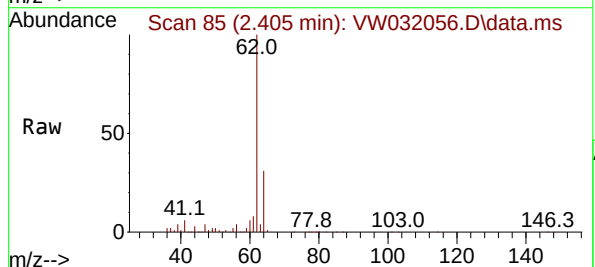
08/12/2025
Supervised By :Semsettin
Yesilyurt

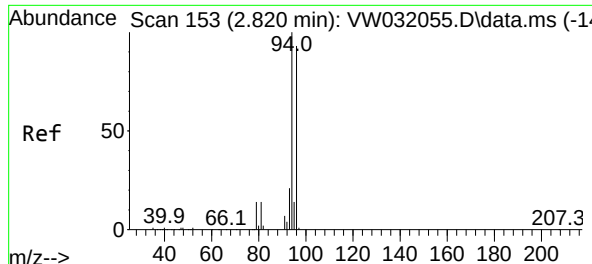
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#4
Vinyl Chloride
Concen: 92.654 ug/l
RT: 2.405 min Scan# 85
Delta R.T. 0.000 min
Lab File: VW032056.D
Acq: 11 Aug 2025 10:46

Tgt Ion: 62 Resp: 239040
Ion Ratio Lower Upper
62 100
64 31.3 27.8 41.6





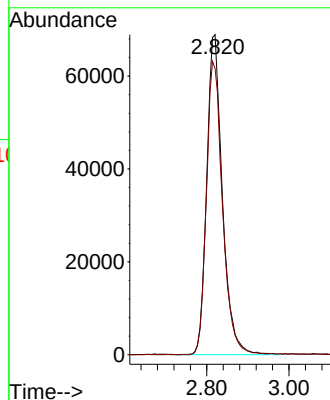
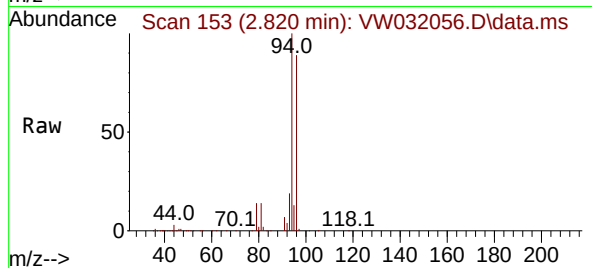
#5
Bromomethane
Concen: 94.386 ug/l
RT: 2.820 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW032056.D
Acq: 11 Aug 2025 10:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tgt Ion: 94 Resp: 18268
Ion Ratio Lower Upper
94 100
96 89.4 74.7 112.1

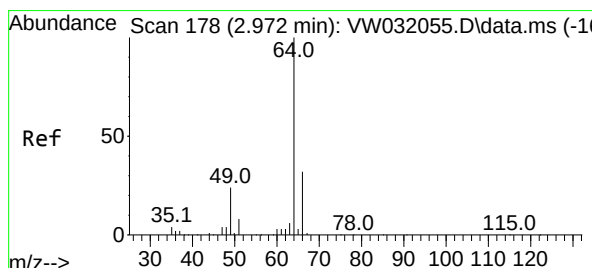
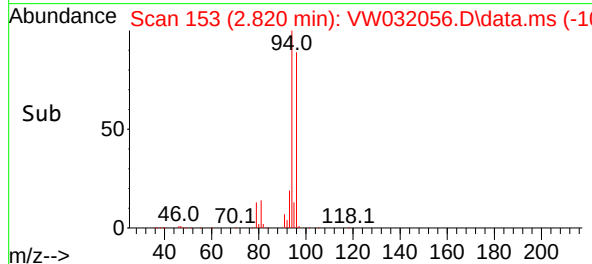
Manual Integrations
APPROVED

Reviewed By :Mahesh
Dadoda



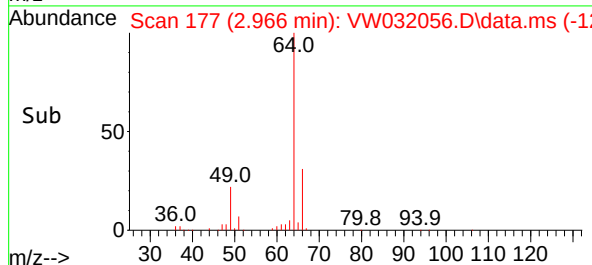
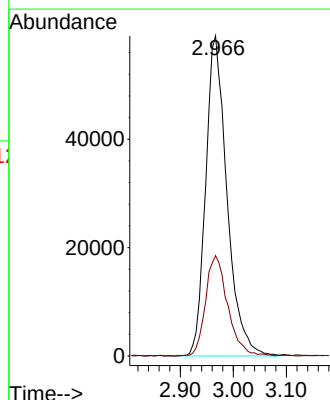
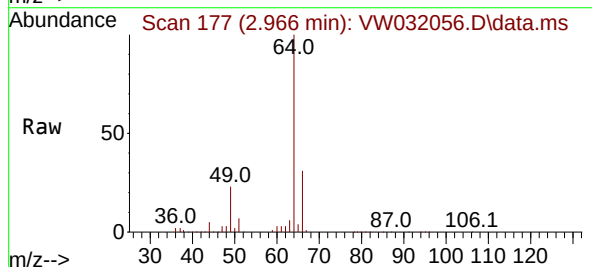
08/12/2025
Supervised By :Semsettin
Yesilyurt

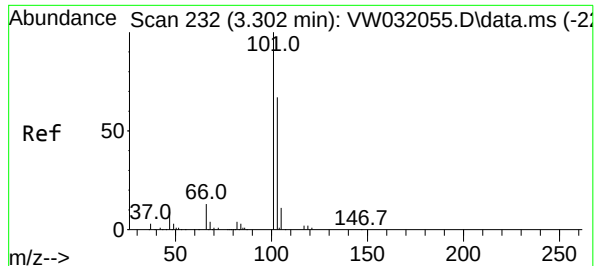
08/12/2025



#6
Chloroethane
Concen: 96.628 ug/l
RT: 2.966 min Scan# 177
Delta R.T. -0.006 min
Lab File: VW032056.D
Acq: 11 Aug 2025 10:46

Tgt Ion: 64 Resp: 164961
Ion Ratio Lower Upper
64 100
66 31.1 26.0 39.0





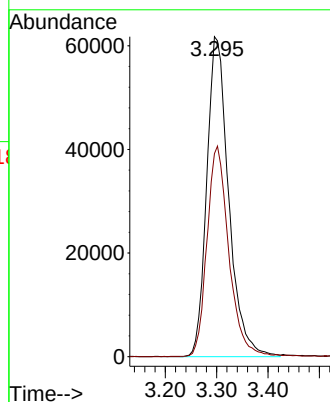
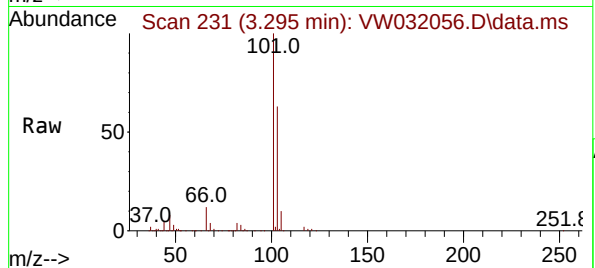
#7
Trichlorofluoromethane
Concen: 88.382 ug/l
RT: 3.295 min Scan# 21
Delta R.T. -0.006 min
Lab File: VW032056.D
Acq: 11 Aug 2025 10:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tgt Ion:101 Resp: 18266
Ion Ratio Lower Upper
101 100
103 63.3 53.4 80.0

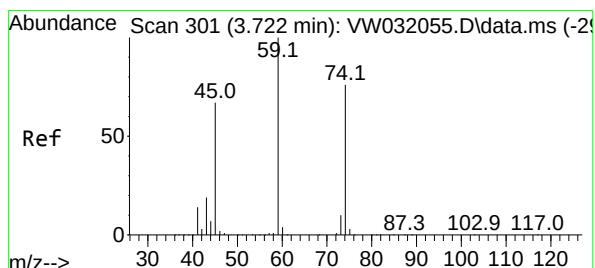
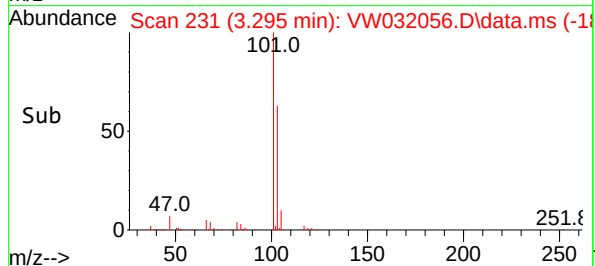
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Reviewed By :Mahesh
Dadoda



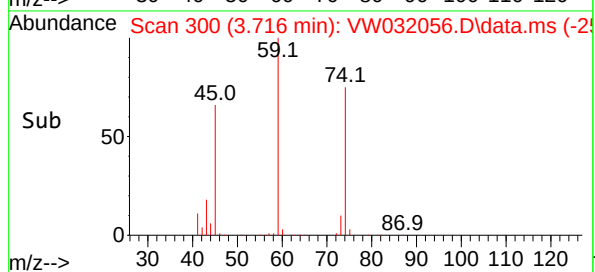
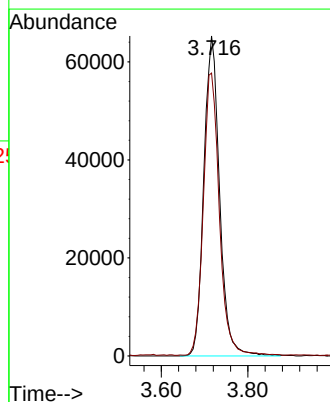
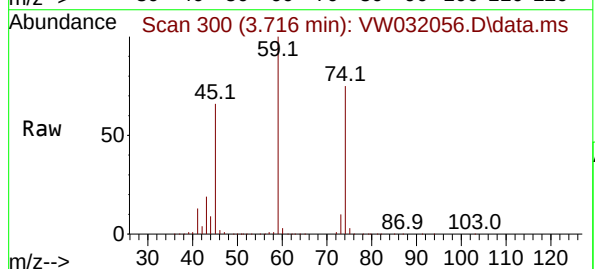
08/12/2025
Supervised By :Semsettin
Yesilyurt

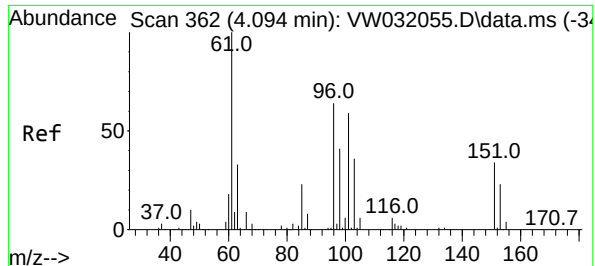
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#8
Diethyl Ether
Concen: 97.227 ug/l
RT: 3.716 min Scan# 300
Delta R.T. -0.006 min
Lab File: VW032056.D
Acq: 11 Aug 2025 10:46

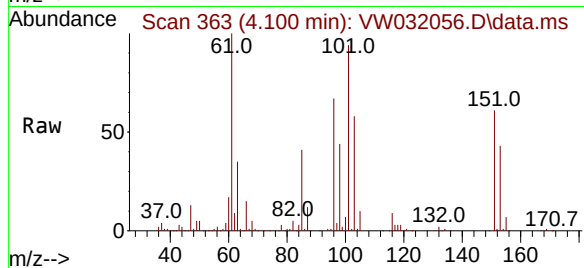
Tgt Ion: 74 Resp: 164632
Ion Ratio Lower Upper
74 100
45 90.1 45.4 136.2





#9
1,1,2-Trichlorotrifluoroethane
Concen: 91.988 ug/l
RT: 4.100 min Scan# 363
Delta R.T. 0.006 min
Lab File: VW032056.D
Acq: 11 Aug 2025 10:46

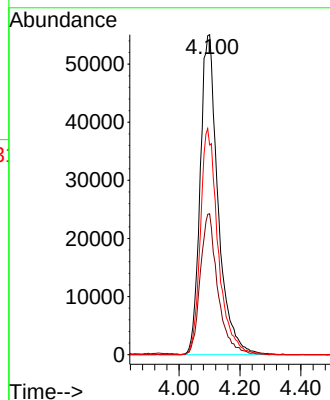
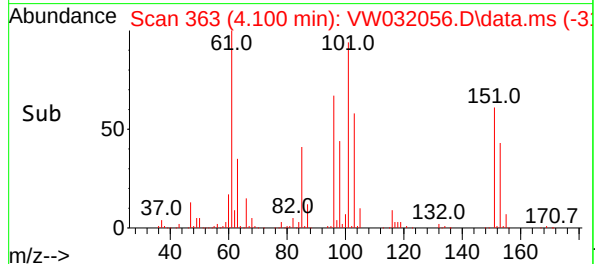
Instrument :
MSVOA_W
Client Sample Id :
VSTDIC100



Tgt Ion:101 Resp: 22429
Ion Ratio Lower Upper
101 100
85 43.3 34.9 52.3
151 70.2 56.2 84.4

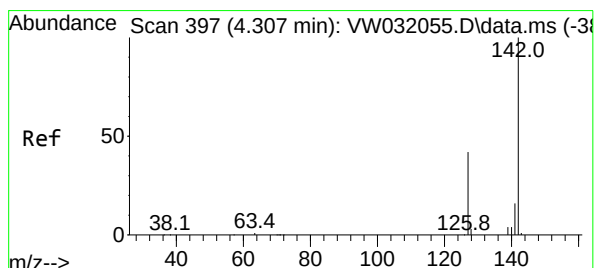
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Dadoda

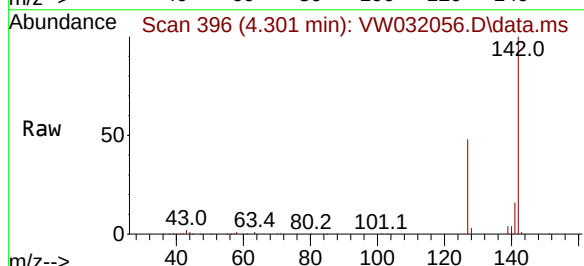


08/12/2025
Supervised By :Semsettin
Yesilyurt

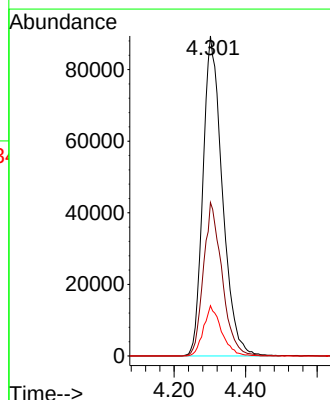
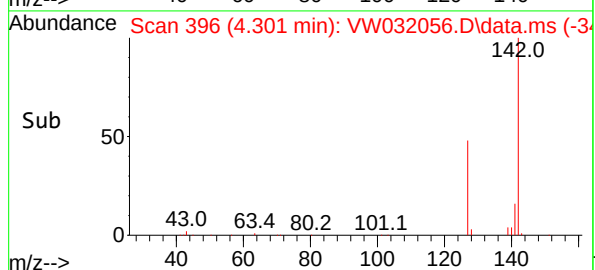
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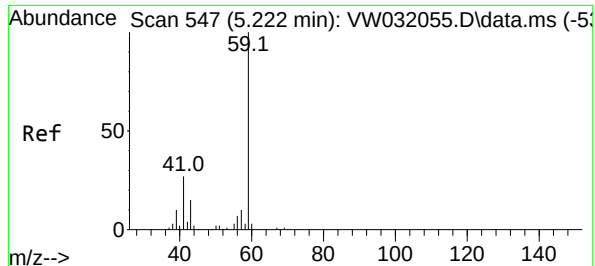


#10
Methyl Iodide
Concen: 97.237 ug/l
RT: 4.301 min Scan# 396
Delta R.T. -0.006 min
Lab File: VW032056.D
Acq: 11 Aug 2025 10:46



Tgt Ion:142 Resp: 336162
Ion Ratio Lower Upper
142 100
127 46.2 36.6 55.0
141 14.5 12.1 18.1





#11

Tert butyl alcohol

Concen: 480.735 ug/l

RT: 5.216 min Scan# 54

Delta R.T. -0.006 min

Lab File: VW032056.D

Acq: 11 Aug 2025 10:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC100

Tgt Ion: 59 Resp: 9967

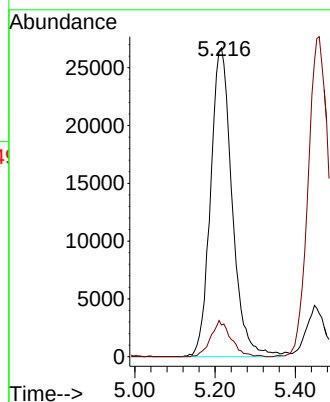
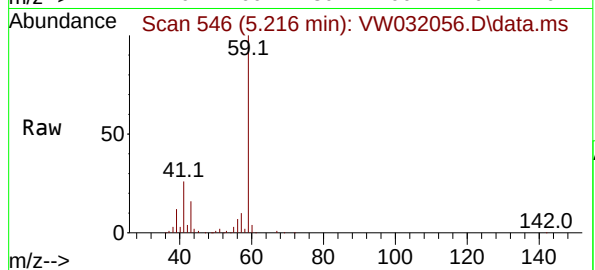
Ion Ratio Lower Upper

59 100

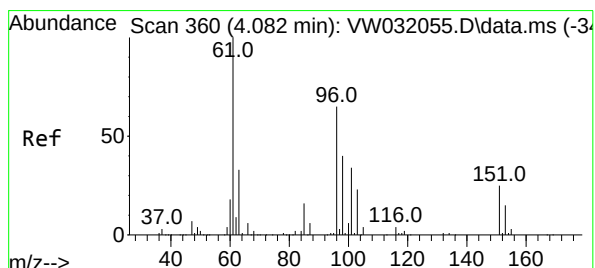
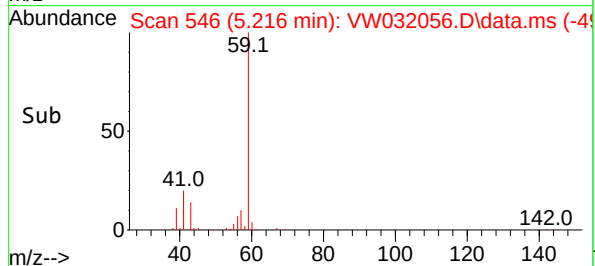
57 10.9 8.7 13.1

Manual Integrations

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Reviewed By :Mahesh
Dadoda08/12/2025
Supervised By :Semsettin
Yesilyurt

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#12

1,1-Dichloroethene

Concen: 93.615 ug/l

RT: 4.070 min Scan# 358

Delta R.T. -0.012 min

Lab File: VW032056.D

Acq: 11 Aug 2025 10:46

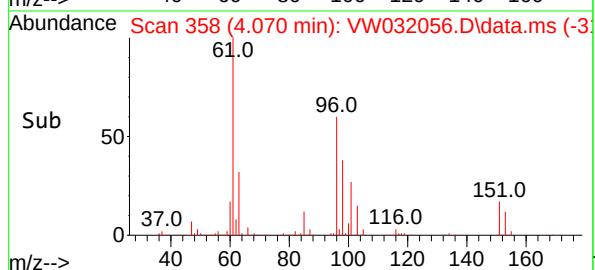
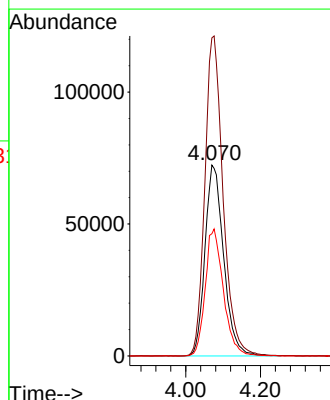
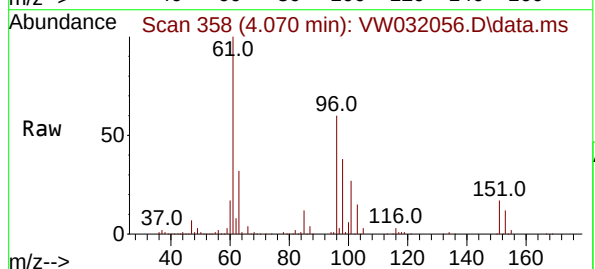
Tgt Ion: 96 Resp: 251341

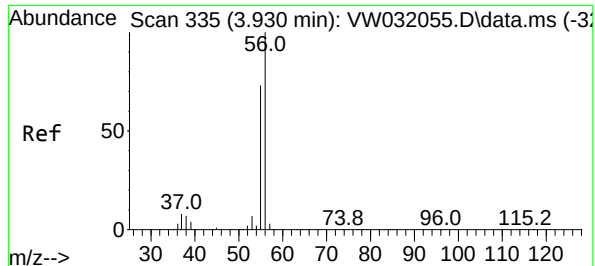
Ion Ratio Lower Upper

96 100

61 166.5 123.4 185.2

98 64.0 49.5 74.3





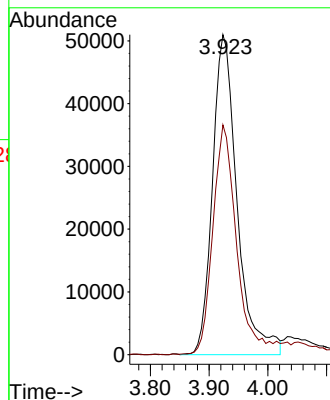
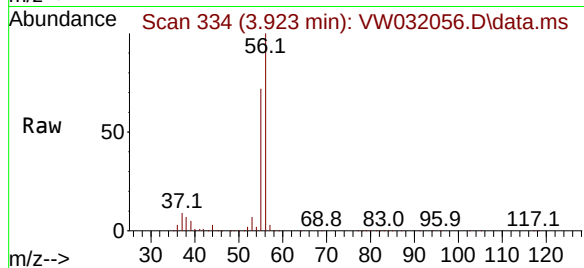
#13
Acrolein
Concen: 449.230 ug/l
RT: 3.923 min Scan# 31
Delta R.T. -0.006 min
Lab File: VW032056.D
Acq: 11 Aug 2025 10:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tgt Ion: 56 Resp: 14840
Ion Ratio Lower Upper
56 100
55 69.0 55.4 83.2

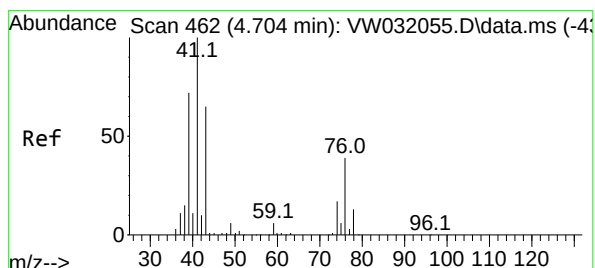
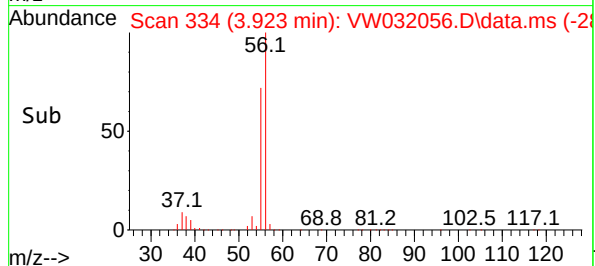
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Dadoda



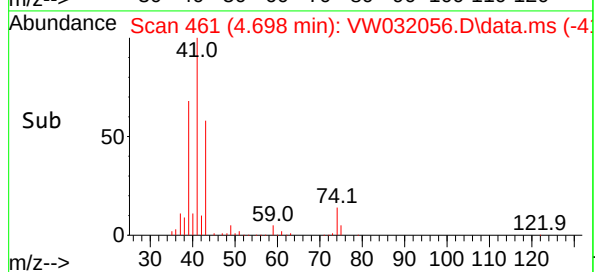
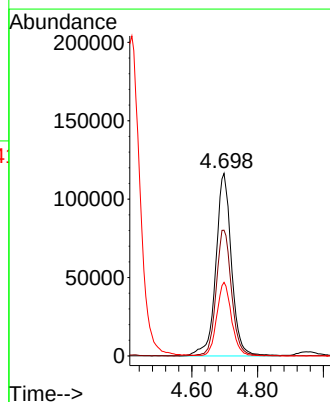
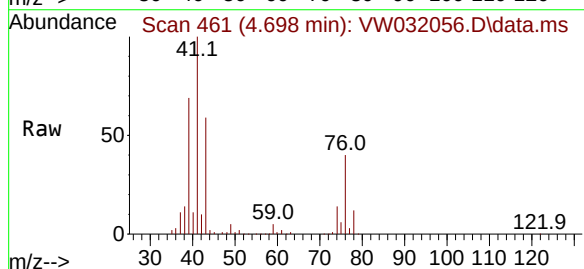
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Supervised By :Semsettin
Yesilyurt

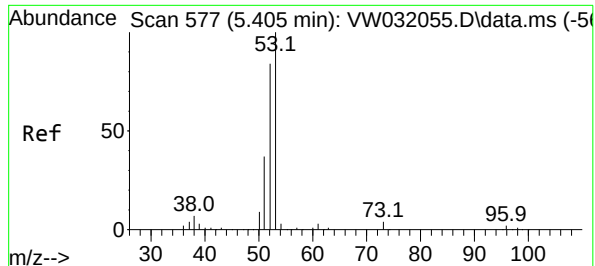
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#14
Allyl chloride
Concen: 98.543 ug/l
RT: 4.698 min Scan# 461
Delta R.T. -0.006 min
Lab File: VW032056.D
Acq: 11 Aug 2025 10:46

Tgt Ion: 41 Resp: 385062
Ion Ratio Lower Upper
41 100
39 67.5 54.5 81.7
76 37.8 29.3 43.9





#15

Acrylonitrile

Concen: 481.445 ug/l

RT: 5.393 min Scan# 51

Delta R.T. -0.012 min

Lab File: VW032056.D

Acq: 11 Aug 2025 10:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC100

Tgt Ion: 53 Resp: 388290

Ion Ratio Lower Upper

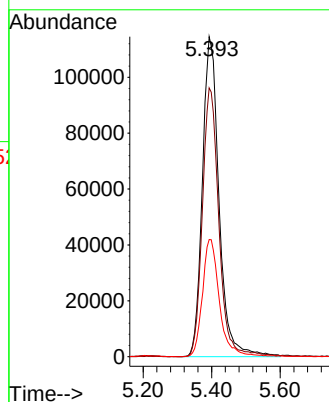
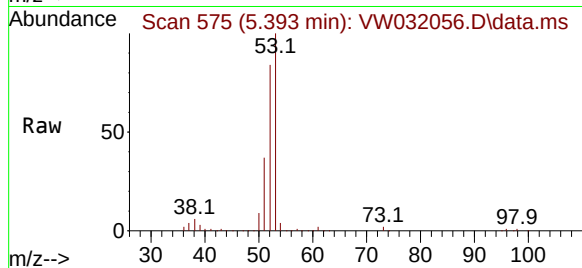
53 100

52 83.3 66.1 99.1

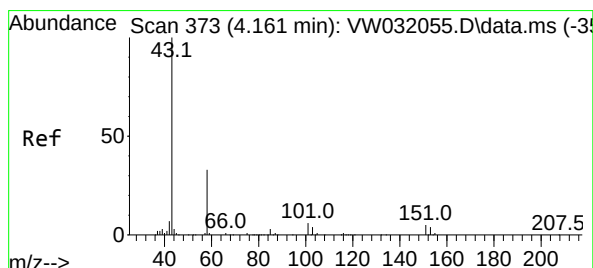
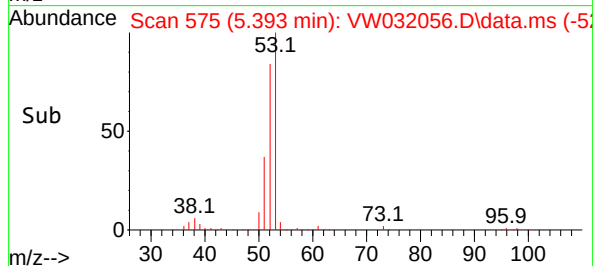
51 37.3 29.2 43.8

Manual Integrations

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Reviewed By :Mahesh
Dadoda08/12/2025
Supervised By :Semsettin
Yesilyurt

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#16

Acetone

Concen: 443.358 ug/l

RT: 4.155 min Scan# 372

Delta R.T. -0.006 min

Lab File: VW032056.D

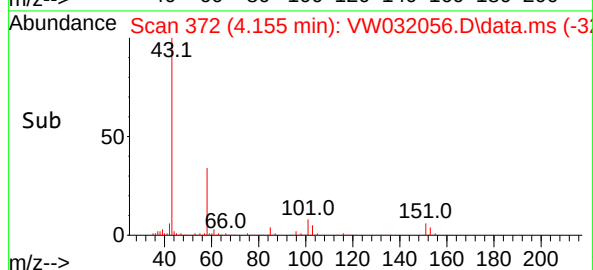
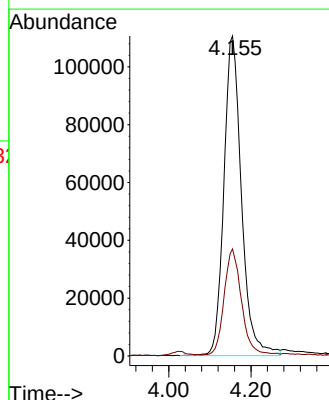
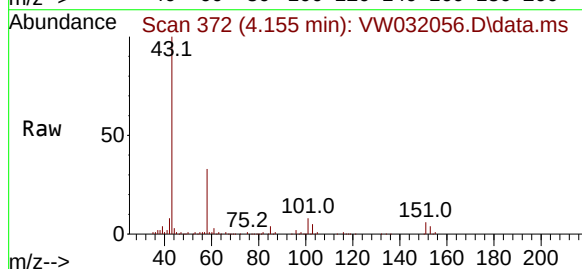
Acq: 11 Aug 2025 10:46

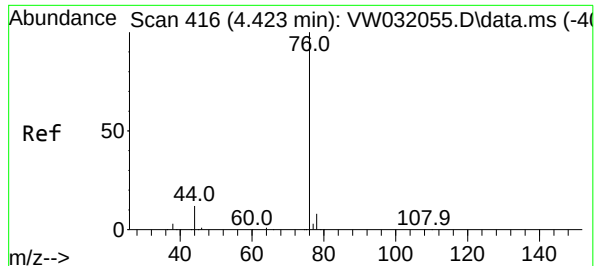
Tgt Ion: 43 Resp: 328664

Ion Ratio Lower Upper

43 100

58 32.9 26.6 39.8





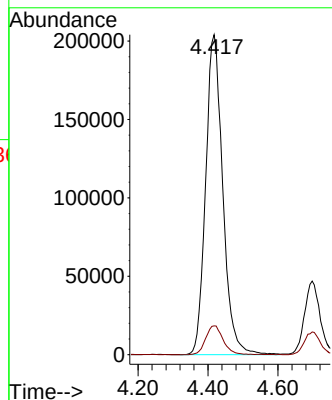
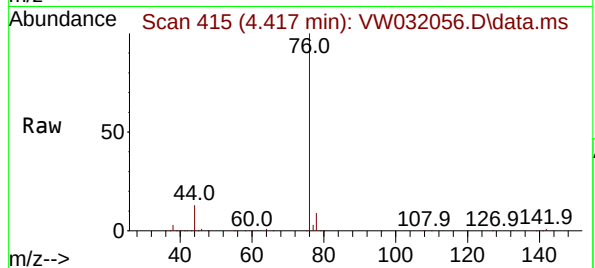
#17
Carbon Disulfide
Concen: 96.248 ug/l
RT: 4.417 min Scan# 416
Delta R.T. -0.006 min
Lab File: VW032056.D
Acq: 11 Aug 2025 10:46

Instrument :
MSVOA_W
Client Sample Id :
VSTDICC100

Tgt Ion: 76 Resp: 693610
Ion Ratio Lower Upper
76 100
78 9.0 6.4 9.6

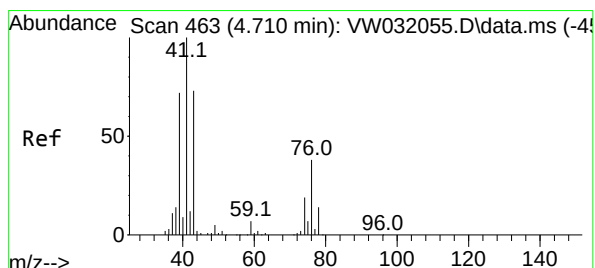
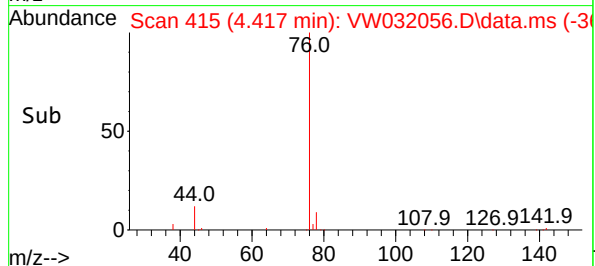
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Dadoda



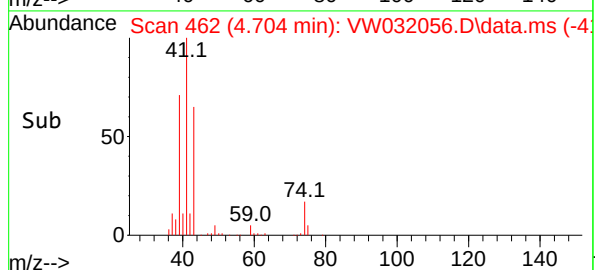
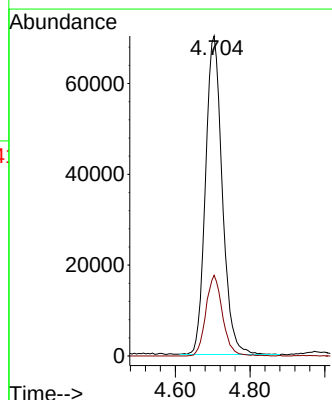
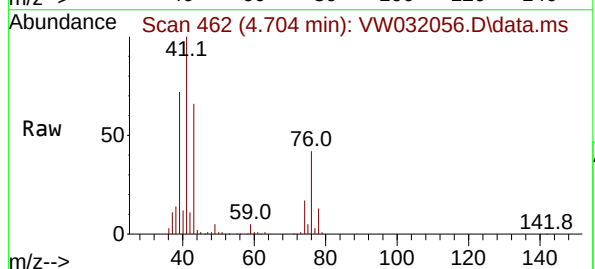
08/12/2025
Supervised By :Semsettin
Yesilyurt

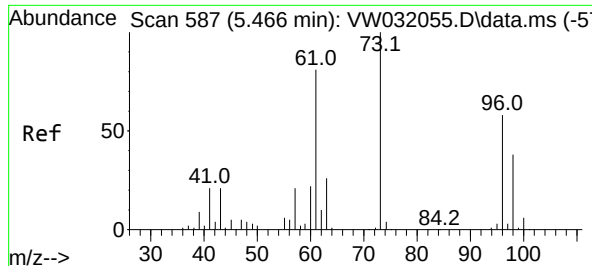
08/12/2025



#18
Methyl Acetate
Concen: 93.230 ug/l
RT: 4.704 min Scan# 462
Delta R.T. -0.006 min
Lab File: VW032056.D
Acq: 11 Aug 2025 10:46

Tgt Ion: 43 Resp: 218695
Ion Ratio Lower Upper
43 100
74 25.0 20.6 31.0





#19

Methyl tert-butyl Ether

Concen: 100.184 ug/l

RT: 5.460 min Scan# 51

Delta R.T. -0.006 min

Lab File: VW032056.D

Acq: 11 Aug 2025 10:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tgt Ion: 73 Resp: 473924

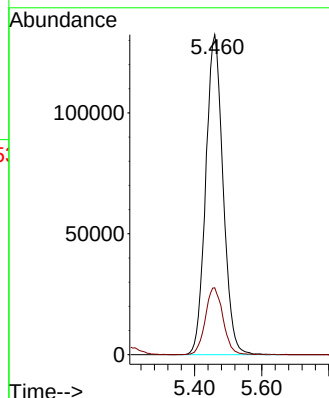
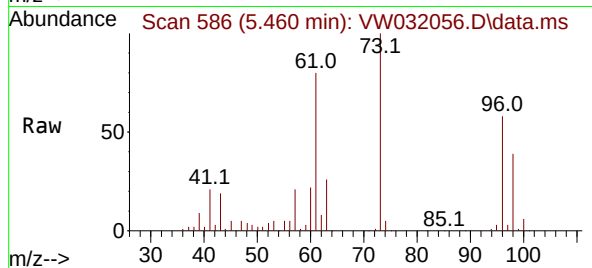
Ion Ratio Lower Upper

73 100

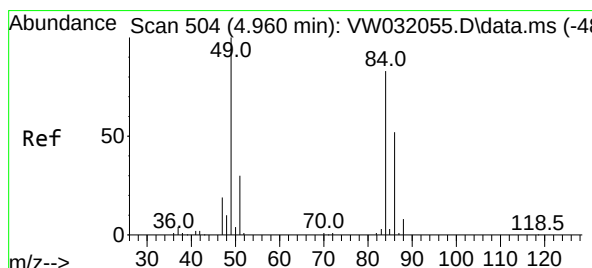
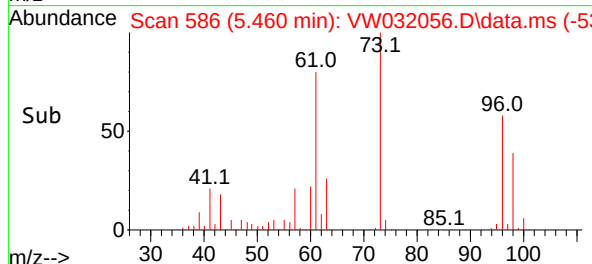
57 20.9 17.2 25.8

Manual Integrations

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Reviewed By :Mahesh
Dadoda08/12/2025
Supervised By :Semsettin
Yesilyurt

08/12/2025



#20

Methylene Chloride

Concen: 83.165 ug/l

RT: 4.954 min Scan# 503

Delta R.T. -0.006 min

Lab File: VW032056.D

Acq: 11 Aug 2025 10:46

Tgt Ion: 84 Resp: 285049

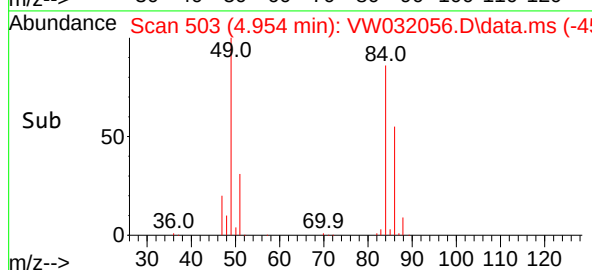
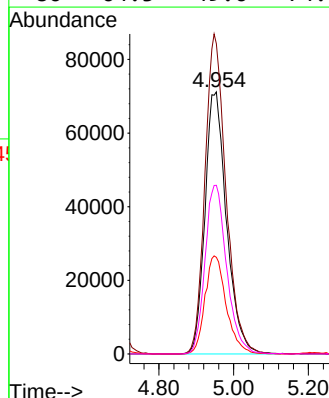
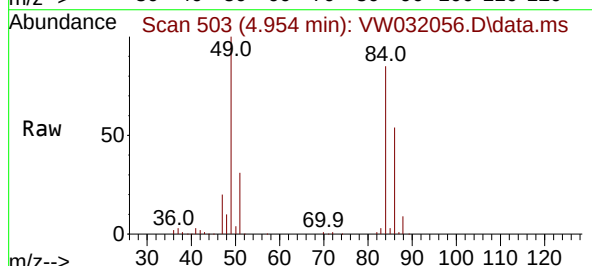
Ion Ratio Lower Upper

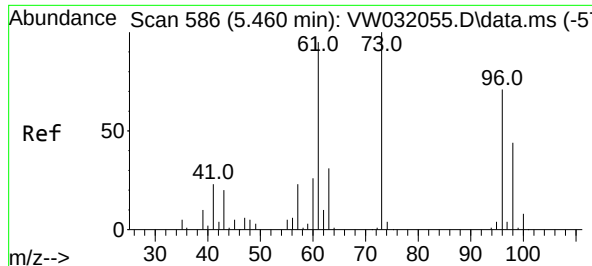
84 100

49 118.3 95.9 143.9

51 36.8 28.6 43.0

86 64.3 49.6 74.4





#21

trans-1,2-Dichloroethene

Concen: 98.787 ug/l

RT: 5.454 min Scan# 51

Delta R.T. -0.006 min

Lab File: VW032056.D

Acq: 11 Aug 2025 10:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tgt Ion: 96 Resp: 28146

Ion Ratio Lower Upper

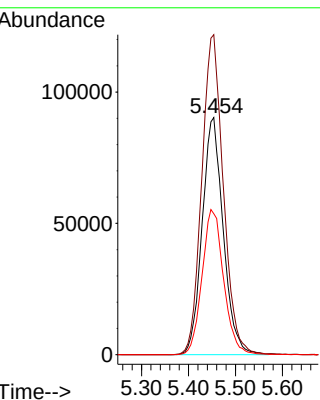
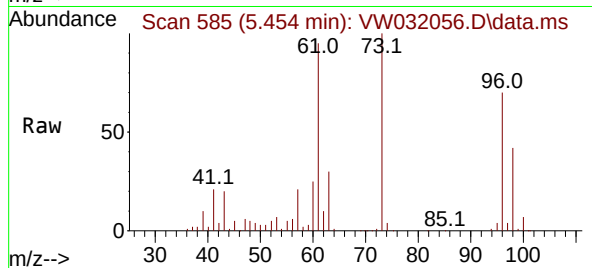
96 100

61 135.0 106.8 160.2

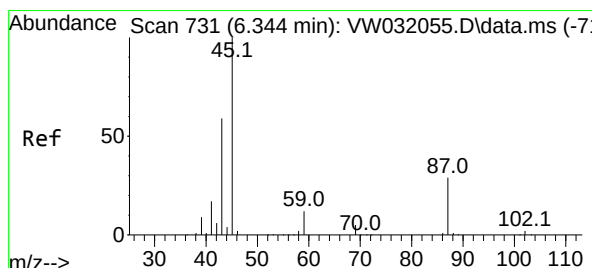
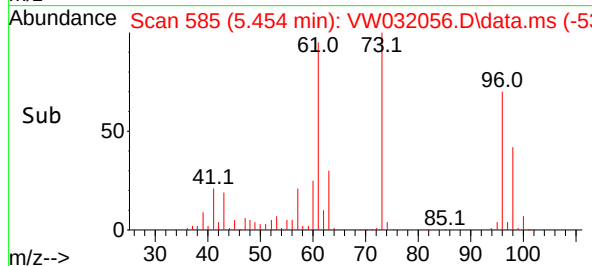
98 59.5 49.6 74.4

Manual Integrations

APPROVED

Reviewed By :Mahesh
Dadoda08/12/2025
Supervised By :Semsettin
Yesilyurt

08/12/2025



#22

Diisopropyl ether

Concen: 100.722 ug/l

RT: 6.332 min Scan# 729

Delta R.T. -0.012 min

Lab File: VW032056.D

Acq: 11 Aug 2025 10:46

Tgt Ion: 45 Resp: 829703

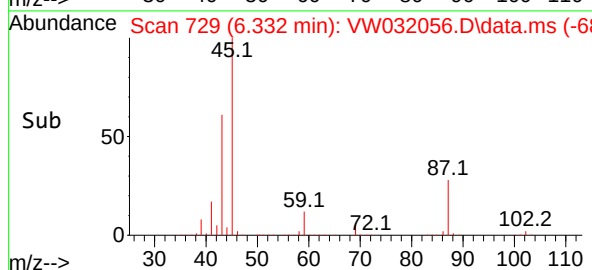
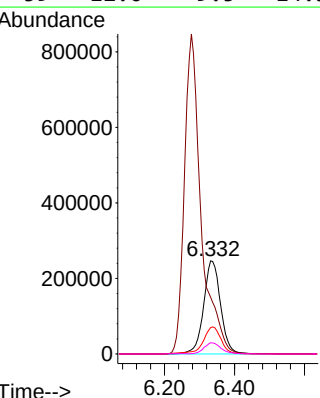
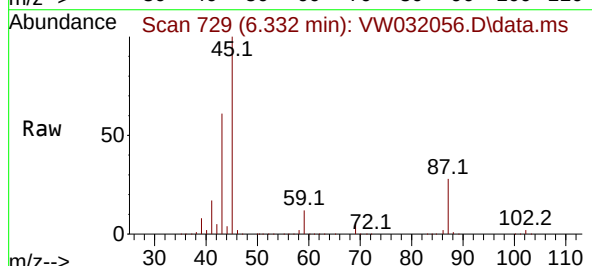
Ion Ratio Lower Upper

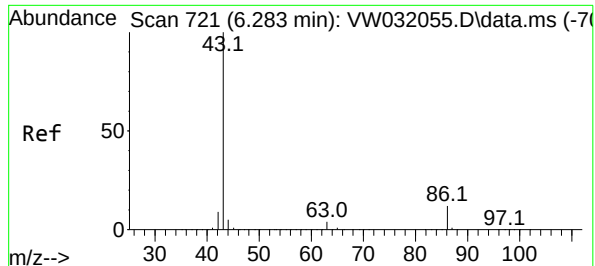
45 100

43 60.8 47.0 70.4

87 28.3 23.8 35.8

59 12.0 9.5 14.3





#23

Vinyl Acetate

Concen: 518.312 ug/l

RT: 6.277 min Scan# 714

Delta R.T. -0.006 min

Lab File: VW032056.D

Acq: 11 Aug 2025 10:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tgt Ion: 43 Resp: 2803250

Ion Ratio Lower Upper

43

100

86

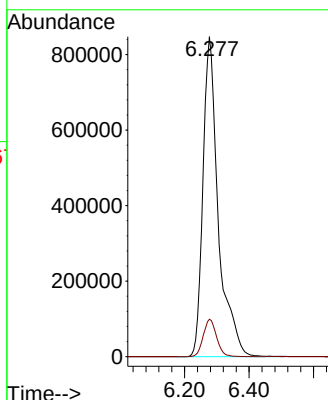
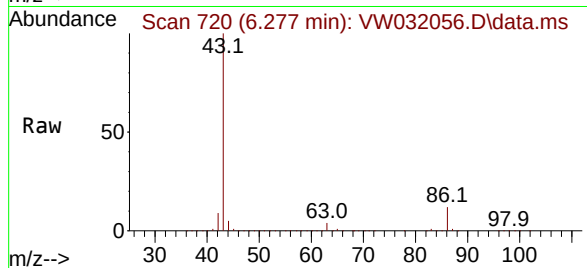
11.7

9.4

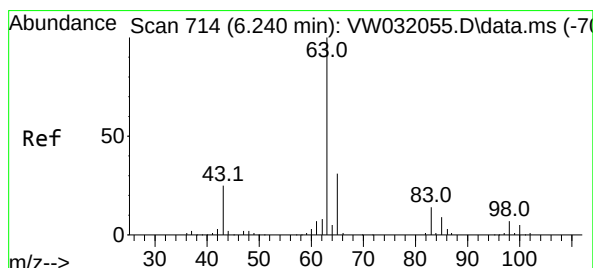
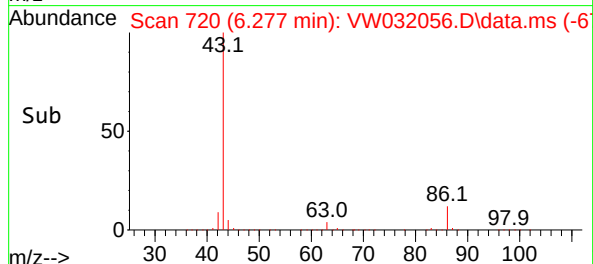
14.0

Manual Integrations

APPROVED

Reviewed By :Mahesh
Dadoda08/12/2025
Supervised By :Semsettin
Yesilyurt

08/12/2025



#24

1,1-Dichloroethane

Concen: 98.678 ug/l

RT: 6.240 min Scan# 714

Delta R.T. -0.000 min

Lab File: VW032056.D

Acq: 11 Aug 2025 10:46

Tgt Ion: 63 Resp: 519360

Ion Ratio Lower Upper

63

100

98

7.2

3.7

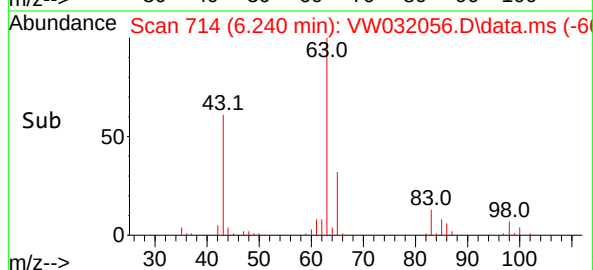
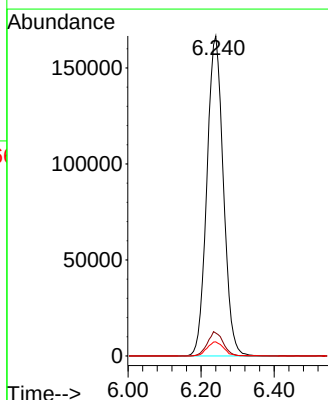
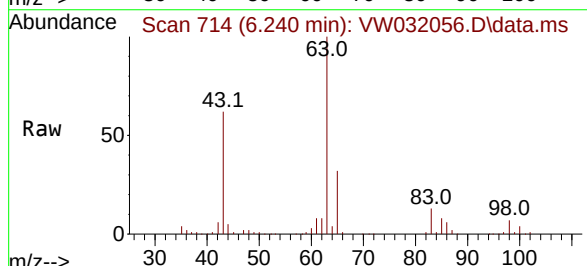
11.1

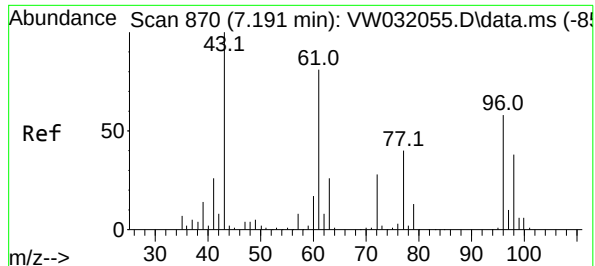
100

4.4

2.5

7.4





#25

2-Butanone

Concen: 489.508 ug/l

RT: 7.191 min Scan# 81

Delta R.T. -0.000 min

Lab File: VW032056.D

Acq: 11 Aug 2025 10:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC100

Tgt Ion: 43 Resp: 515739

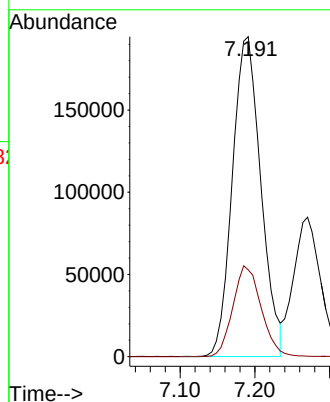
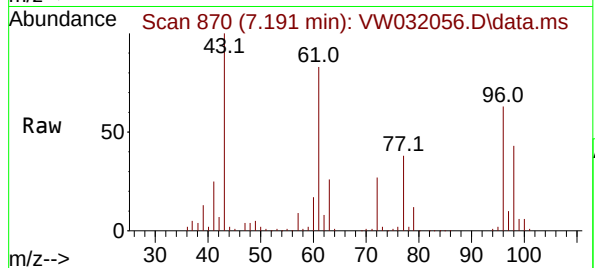
Ion Ratio Lower Upper

43 100

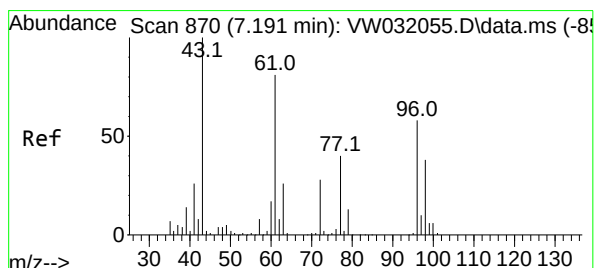
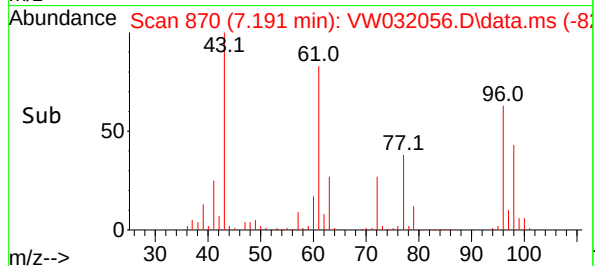
72 27.1 22.3 33.5

Manual Integrations

APPROVED

Reviewed By :Mahesh
Dadoda08/12/2025
Supervised By :Semsettin
Yesilyurt

08/12/2025



#26

2,2-Dichloropropane

Concen: 94.405 ug/l

RT: 7.185 min Scan# 869

Delta R.T. -0.006 min

Lab File: VW032056.D

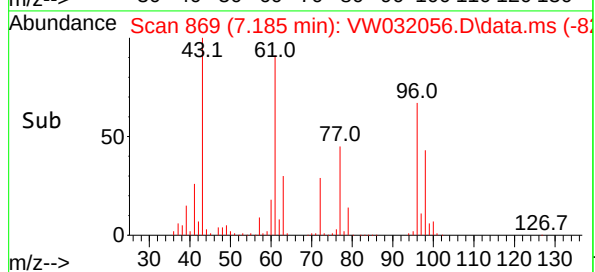
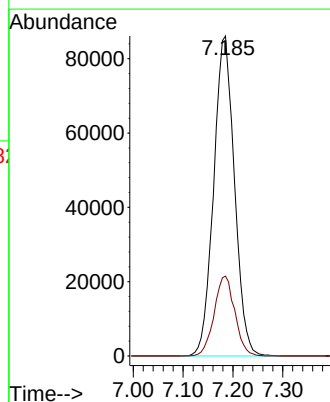
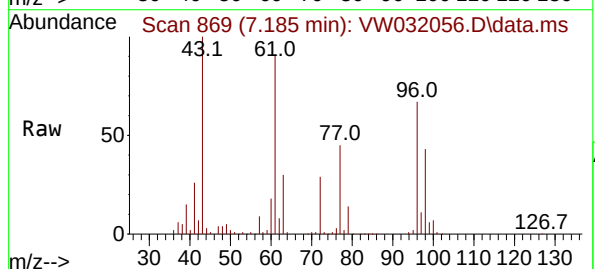
Acq: 11 Aug 2025 10:46

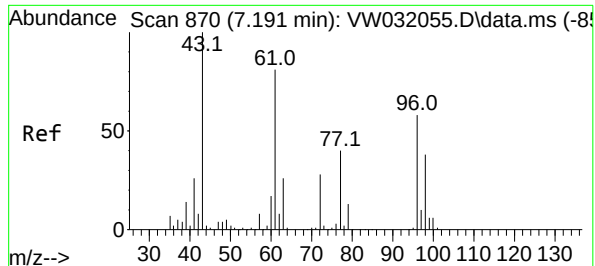
Tgt Ion: 77 Resp: 249271

Ion Ratio Lower Upper

77 100

97 24.8 12.3 36.9





#27

cis-1,2-Dichloroethene

Concen: 103.016 ug/l

RT: 7.185 min Scan# 8

Delta R.T. -0.006 min

Lab File: VW032056.D

Acq: 11 Aug 2025 10:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tgt Ion: 96 Resp: 34309

Ion Ratio Lower Upper

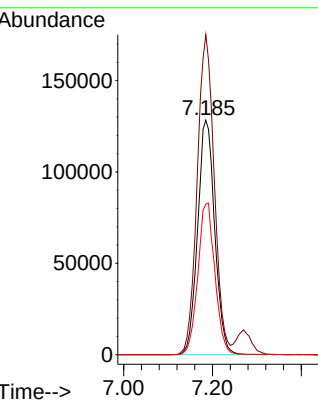
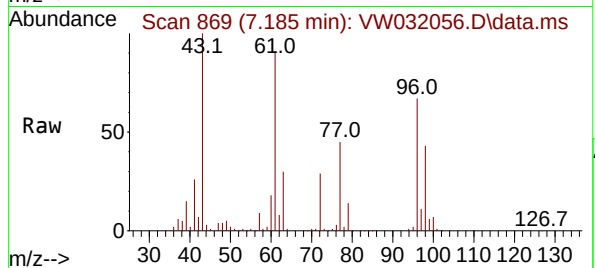
96 100

61 136.1 0.0 281.2

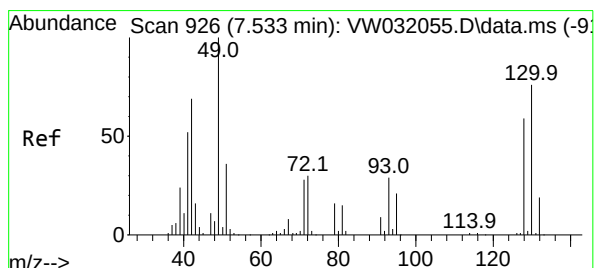
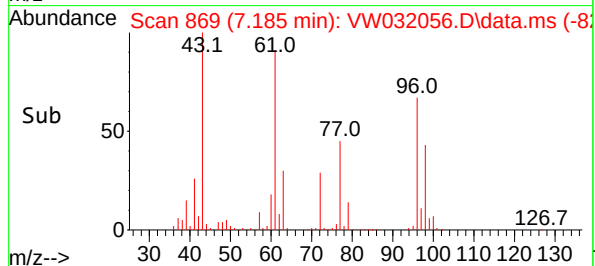
98 64.5 0.0 130.8

Manual Integrations

APPROVED

Reviewed By :Mahesh
Dadoda08/12/2025
Supervised By :Semsettin
Yesilyurt

08/12/2025



#28

Bromochloromethane

Concen: 96.333 ug/l

RT: 7.526 min Scan# 925

Delta R.T. -0.006 min

Lab File: VW032056.D

Acq: 11 Aug 2025 10:46

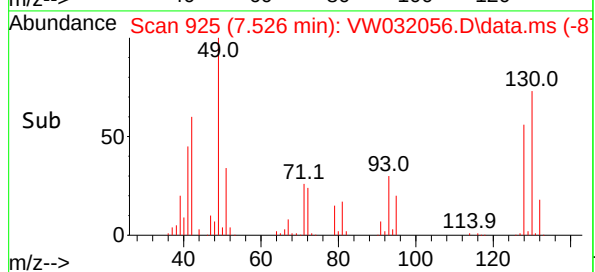
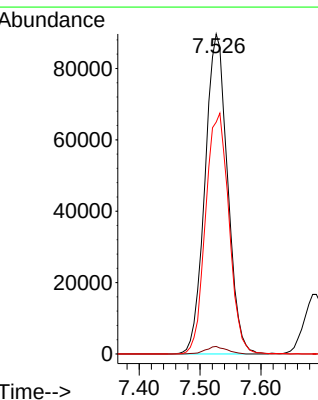
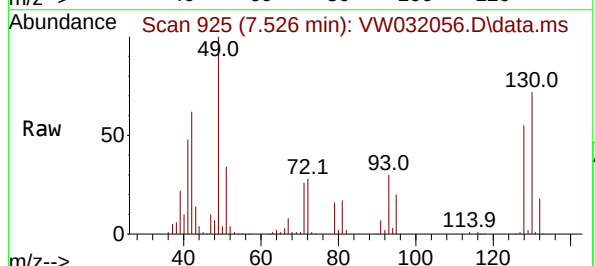
Tgt Ion: 49 Resp: 230727

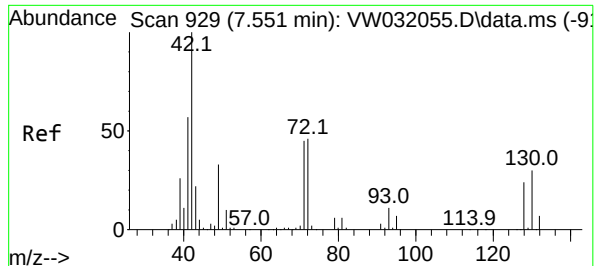
Ion Ratio Lower Upper

49 100

129 2.2 0.0 4.2

130 77.8 61.9 92.9





#29

Tetrahydrofuran

Concen: 487.284 ug/l

RT: 7.551 min Scan# 91

Delta R.T. 0.000 min

Lab File: VW032056.D

Acq: 11 Aug 2025 10:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tgt Ion: 42 Resp: 338578

Ion Ratio Lower Upper

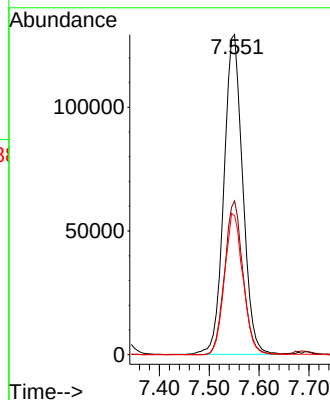
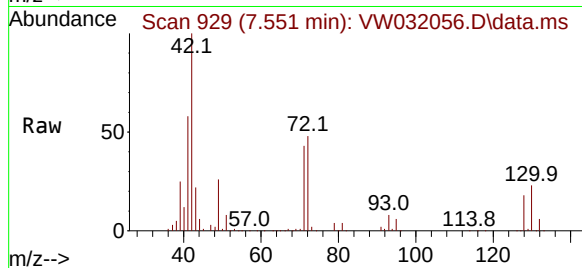
42 100

72 47.0 36.6 55.0

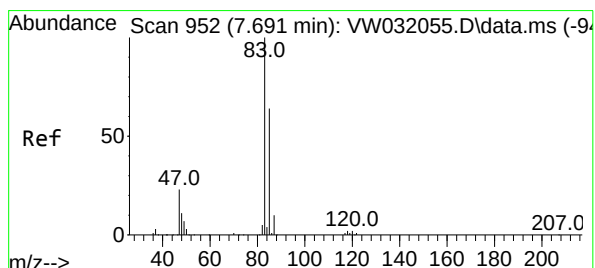
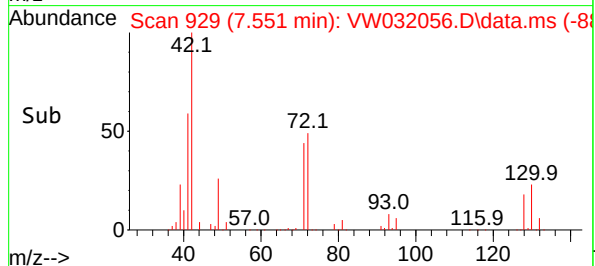
71 43.6 34.7 52.1

Manual Integrations

APPROVED

Reviewed By :Mahesh
Dadoda08/12/2025
Supervised By :Semsettin
Yesilyurt

08/12/2025



#30

Chloroform

Concen: 98.613 ug/l

RT: 7.685 min Scan# 951

Delta R.T. -0.006 min

Lab File: VW032056.D

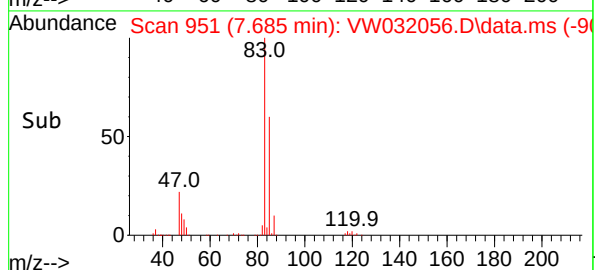
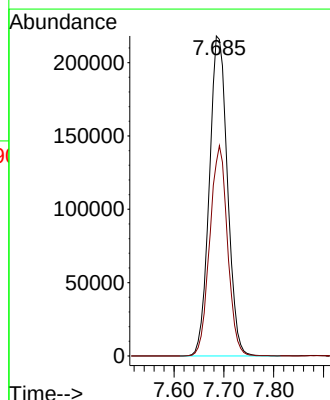
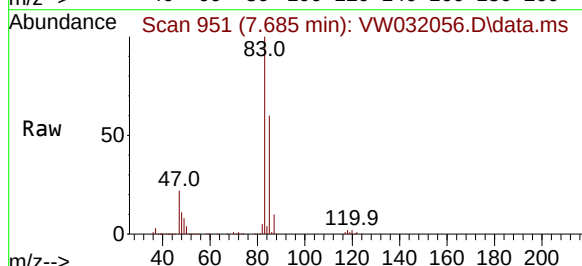
Acq: 11 Aug 2025 10:46

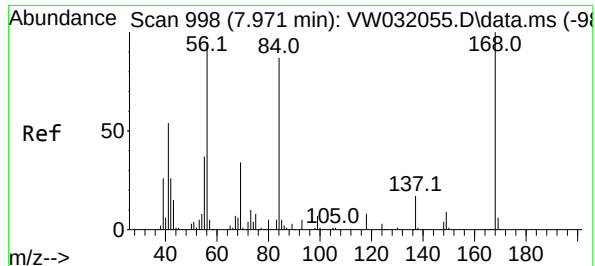
Tgt Ion: 83 Resp: 550232

Ion Ratio Lower Upper

83 100

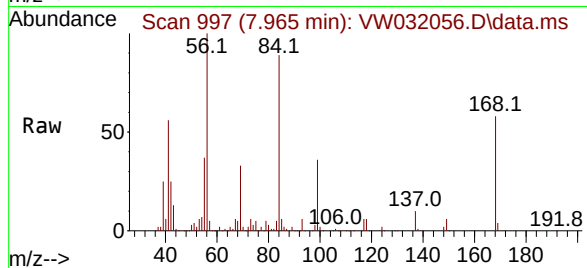
85 60.5 51.0 76.4





#31
Cyclohexane
Concen: 91.292 ug/l
RT: 7.965 min Scan# 997
Delta R.T. -0.006 min
Lab File: VW032056.D
Acq: 11 Aug 2025 10:46

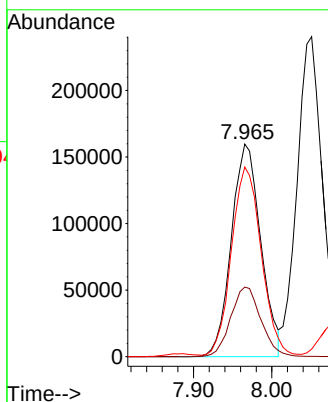
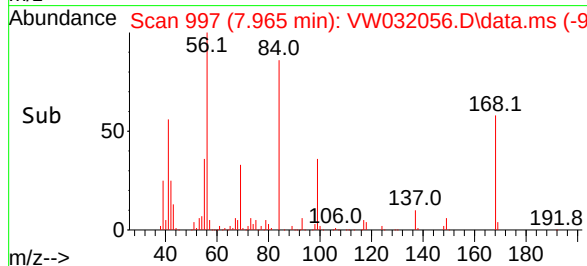
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100



Tgt Ion: 56 Resp: 41655
Ion Ratio Lower Upper
56 100
69 32.8 28.6 42.8
84 87.9 73.0 109.4

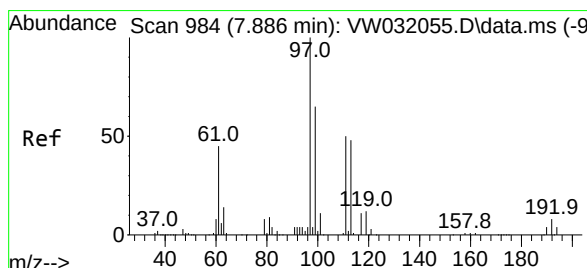
Manual Integrations
APPROVED

Reviewed By :Mahesh
Dadoda



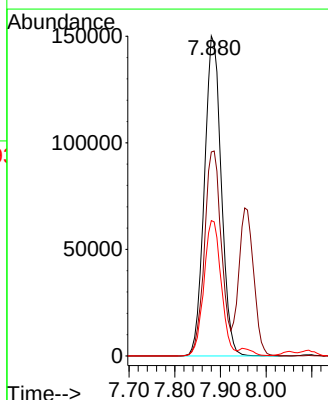
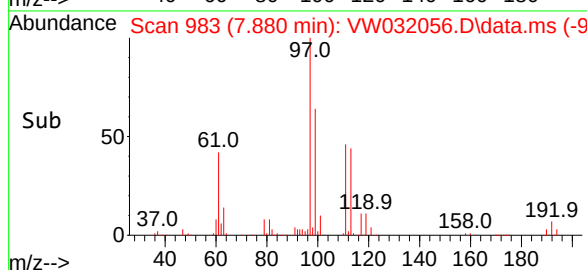
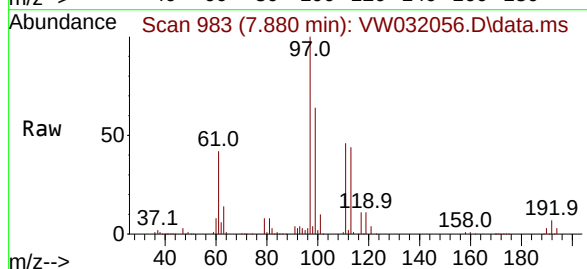
08/12/2025
Supervised By :Semsettin
Yesilyurt

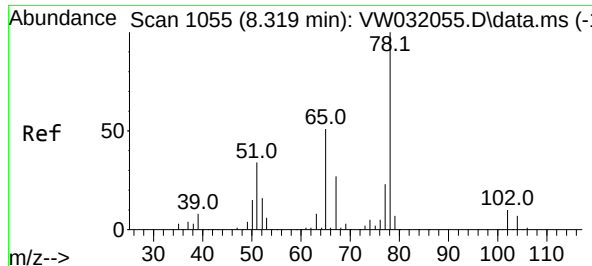
08/12/2025



#32
1,1,1-Trichloroethane
Concen: 94.913 ug/l
RT: 7.880 min Scan# 983
Delta R.T. -0.006 min
Lab File: VW032056.D
Acq: 11 Aug 2025 10:46

Tgt Ion: 97 Resp: 384671
Ion Ratio Lower Upper
97 100
99 64.5 51.8 77.8
61 43.3 35.9 53.9





#33

1,2-Dichloroethane-d4

Concen: 98.509 ug/l

RT: 8.313 min Scan# 1055

Delta R.T. -0.006 min

Lab File: VW032056.D

Acq: 11 Aug 2025 10:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tgt Ion: 65 Resp: 31541

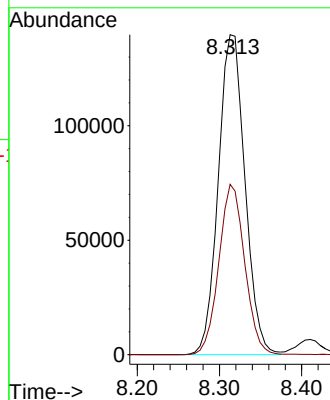
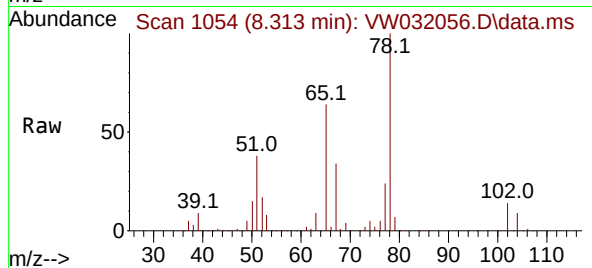
Ion Ratio Lower Upper

65 100

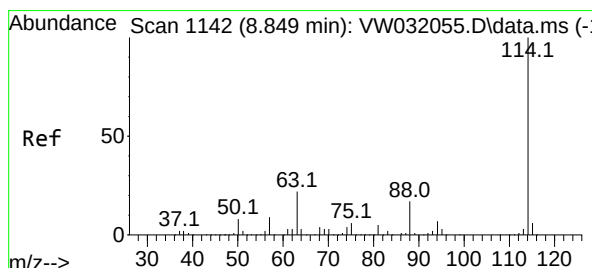
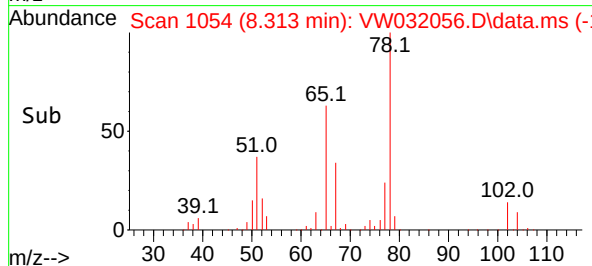
67 51.6 0.0 102.4

Manual Integrations

APPROVED

Reviewed By :Mahesh
Dadoda08/12/2025
Supervised By :Semsettin
Yesilyurt

08/12/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.849 min Scan# 1142

Delta R.T. 0.000 min

Lab File: VW032056.D

Acq: 11 Aug 2025 10:46

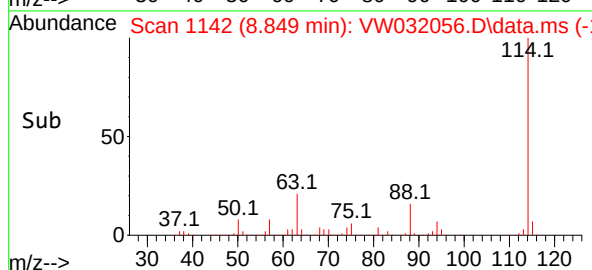
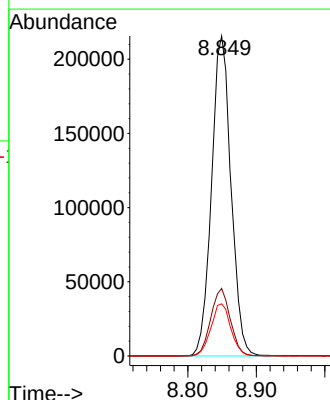
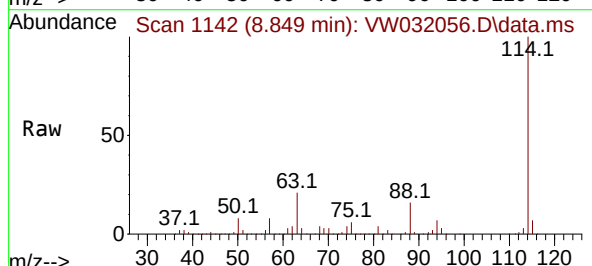
Tgt Ion:114 Resp: 424901

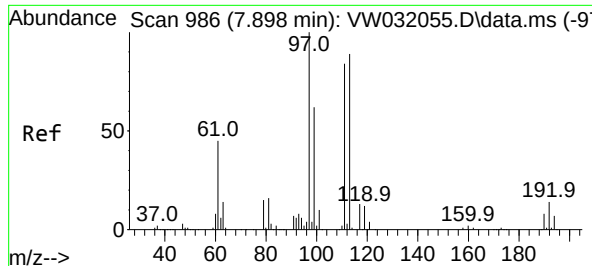
Ion Ratio Lower Upper

114 100

63 21.1 0.0 43.0

88 16.3 0.0 33.8





#35

Dibromofluoromethane

Concen: 96.945 ug/l

RT: 7.898 min Scan# 91

Delta R.T. 0.000 min

Lab File: VW032056.D

Acq: 11 Aug 2025 10:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tgt Ion:113 Resp: 26611

Ion Ratio Lower Upper

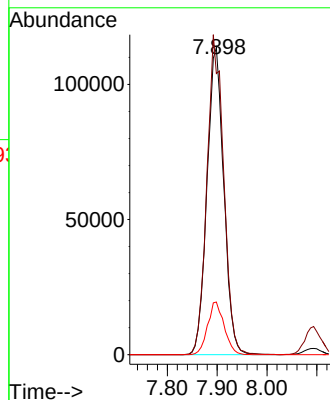
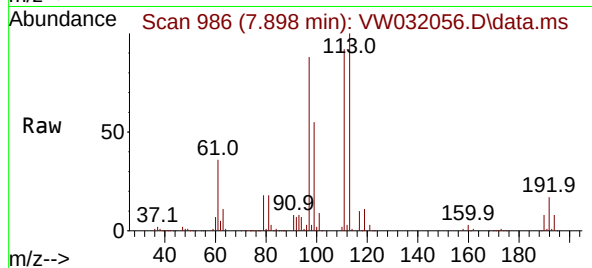
113 100

111 104.0 80.1 120.1

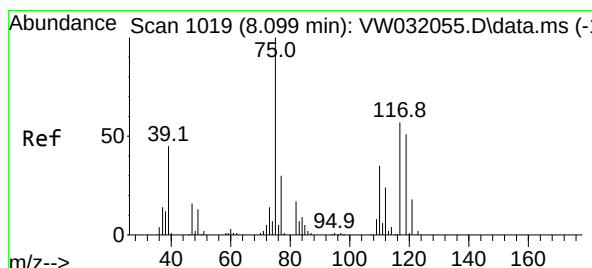
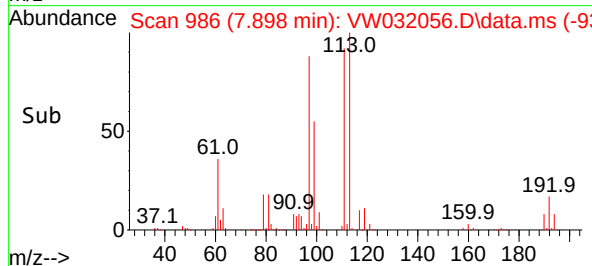
192 16.9 13.1 19.7

Manual Integrations

APPROVED

Reviewed By :Mahesh
Dadoda08/12/2025
Supervised By :Semsettin
Yesilyurt

08/12/2025



#36

1,1-Dichloropropene

Concen: 96.444 ug/l

RT: 8.093 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VW032056.D

Acq: 11 Aug 2025 10:46

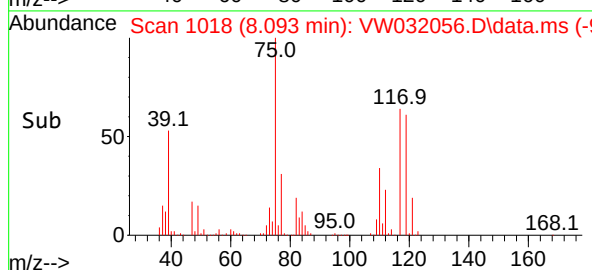
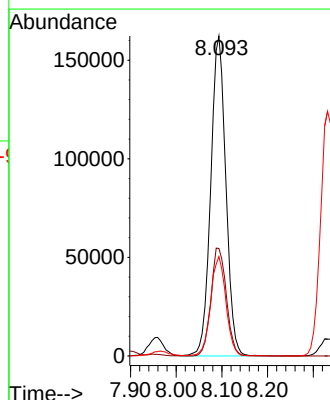
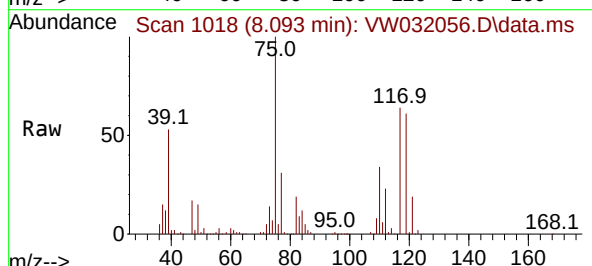
Tgt Ion: 75 Resp: 373215

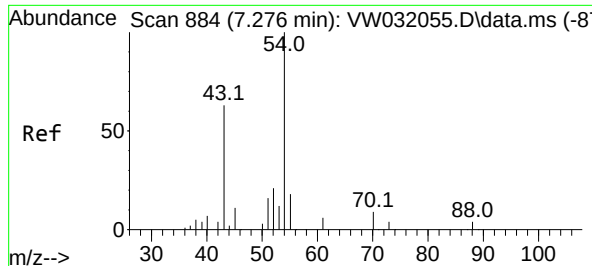
Ion Ratio Lower Upper

75 100

110 34.5 17.4 52.2

77 31.3 24.7 37.1





#37

Ethyl Acetate

Concen: 97.375 ug/l

RT: 7.270 min Scan# 884

Delta R.T. -0.006 min

Lab File: VW032056.D

Acq: 11 Aug 2025 10:46

Instrument :

MSVOA_W

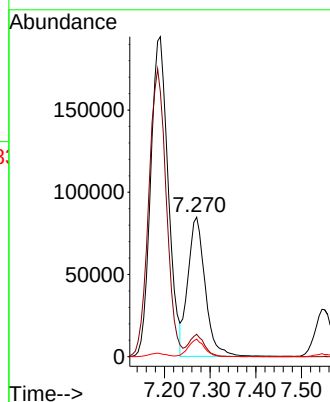
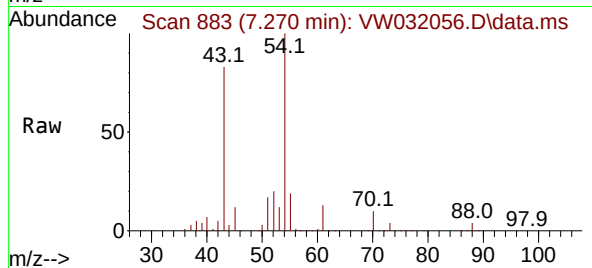
ClientSampleId :

VSTDIC100

Tgt Ion: 43	Resp: 221929
Ion Ratio	Lower Upper
43 100	
61 14.4	11.8 17.6
70 11.5	9.4 14.0

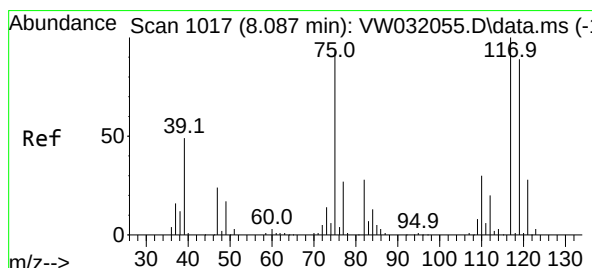
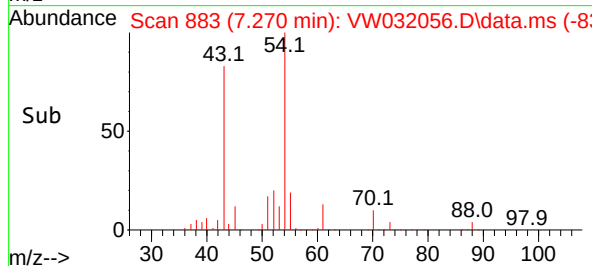
Manual Integrations
APPROVED

Reviewed By :Mahesh
Dadoda



08/12/2025
Supervised By :Semsettin
Yesilyurt

08/12/2025



#38

Carbon Tetrachloride

Concen: 97.035 ug/l

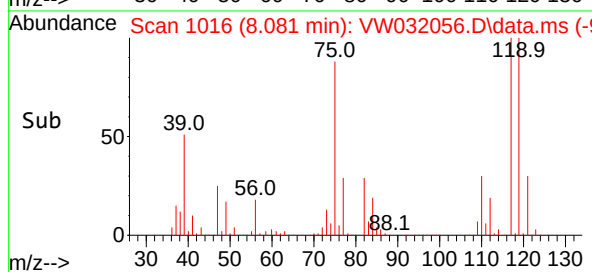
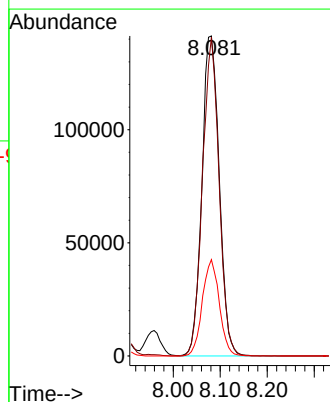
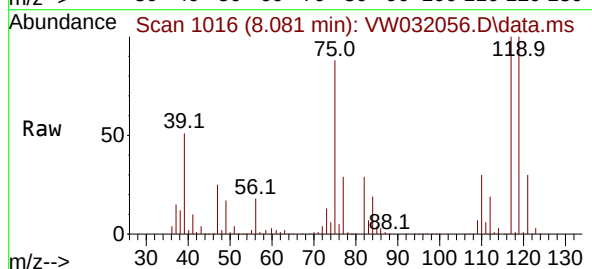
RT: 8.081 min Scan# 1016

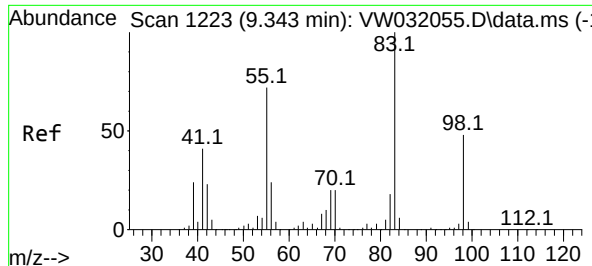
Delta R.T. -0.006 min

Lab File: VW032056.D

Acq: 11 Aug 2025 10:46

Tgt Ion: 117	Resp: 362373
Ion Ratio	Lower Upper
117 100	
119 99.6	71.4 107.2
121 30.1	22.3 33.5





#39

Methylcyclohexane

Concen: 97.342 ug/l

RT: 9.337 min Scan# 11

Delta R.T. -0.006 min

Lab File: VW032056.D

Acq: 11 Aug 2025 10:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tgt Ion: 83 Resp: 459134

Ion Ratio Lower Upper

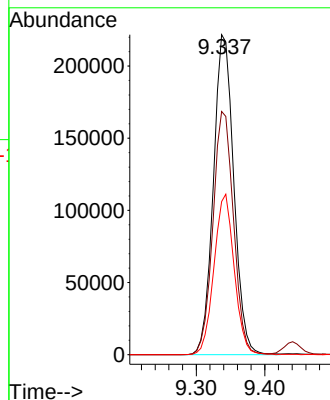
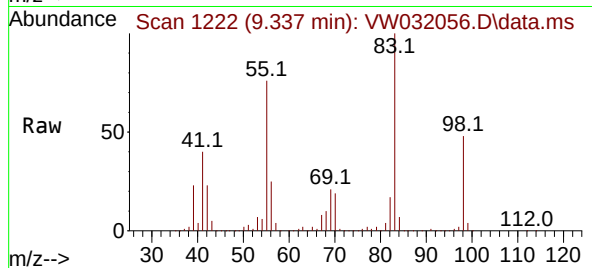
83 100

55 76.0 57.9 86.9

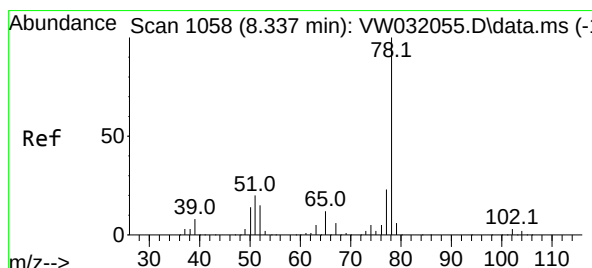
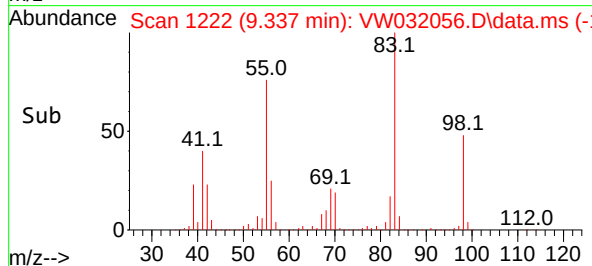
98 47.8 38.3 57.5

Manual Integrations

APPROVED

Reviewed By :Mahesh
Dadoda08/12/2025
Supervised By :Semsettin
Yesilyurt

08/12/2025



#40

Benzene

Concen: 96.444 ug/l

RT: 8.331 min Scan# 1057

Delta R.T. -0.006 min

Lab File: VW032056.D

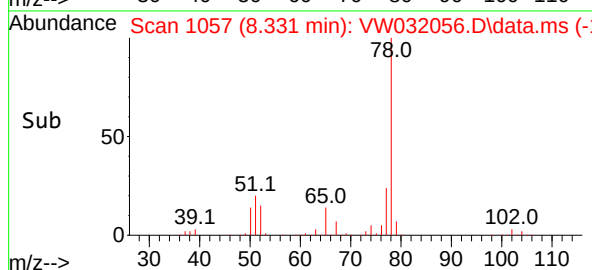
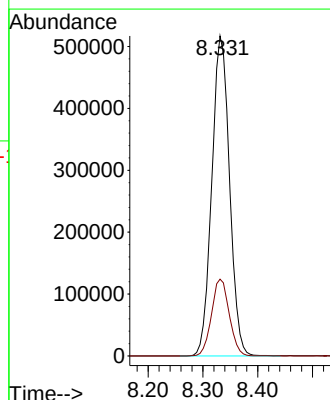
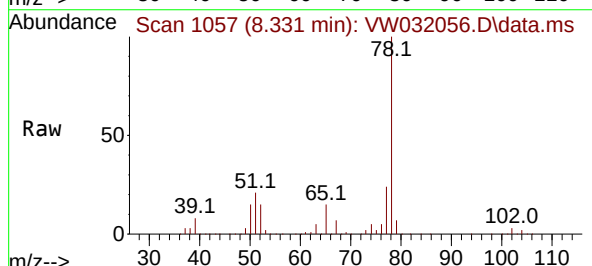
Acq: 11 Aug 2025 10:46

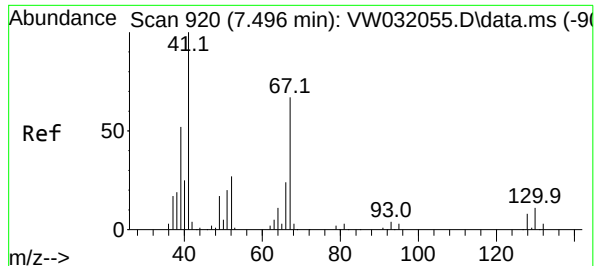
Tgt Ion: 78 Resp: 1160107

Ion Ratio Lower Upper

78 100

77 24.0 18.4 27.6





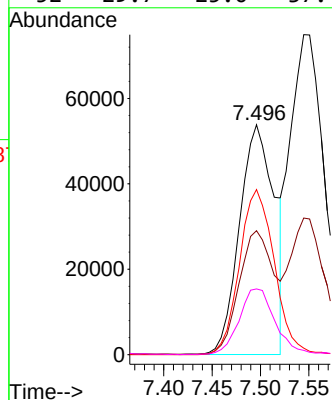
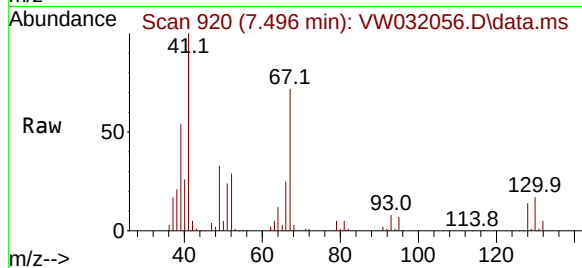
#41
Methacrylonitrile
Concen: 105.048 ug/l
RT: 7.496 min Scan# 91
Delta R.T. 0.000 min
Lab File: VW032056.D
Acq: 11 Aug 2025 10:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tgt Ion: 41 Resp: 13577
Ion Ratio Lower Upper
41 100
39 53.6 42.6 63.8
67 71.7 61.0 91.4
52 29.7 25.0 37.4

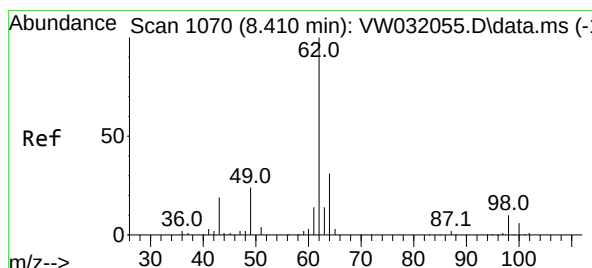
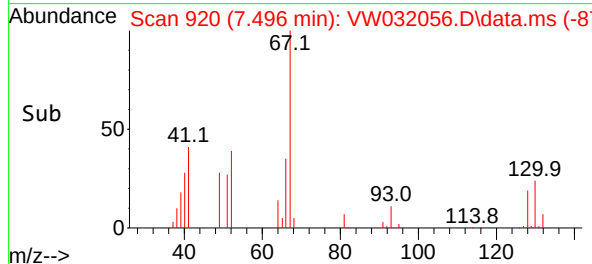
Manual Integrations
APPROVED

Reviewed By :Mahesh
Dadoda



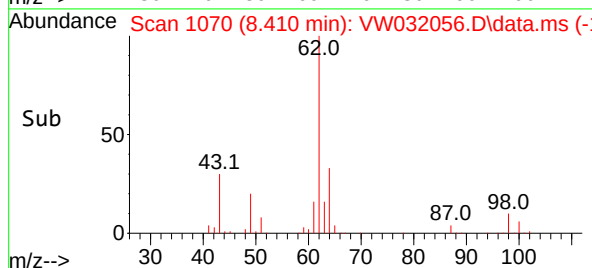
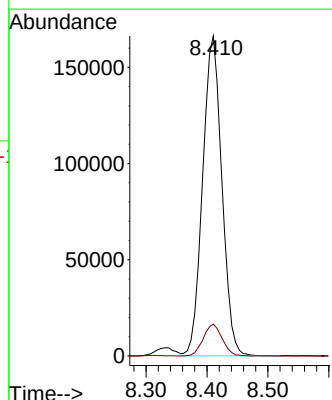
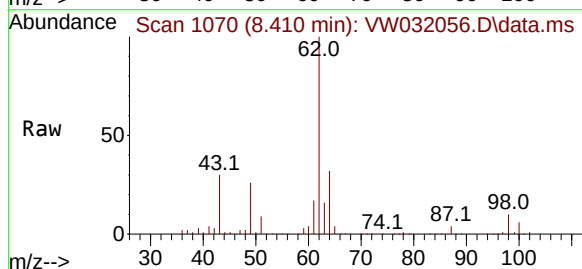
08/12/2025
Supervised By :Semsettin
Yesilyurt

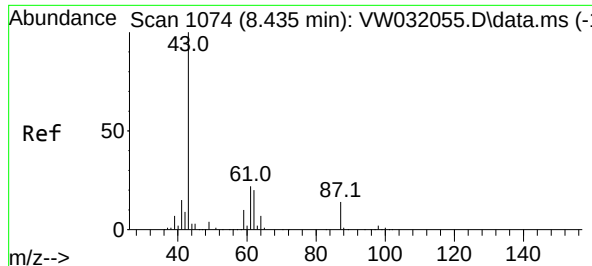
08/12/2025



#42
1,2-Dichloroethane
Concen: 94.743 ug/l
RT: 8.410 min Scan# 1070
Delta R.T. 0.000 min
Lab File: VW032056.D
Acq: 11 Aug 2025 10:46

Tgt Ion: 62 Resp: 364674
Ion Ratio Lower Upper
62 100
98 9.8 0.0 19.8





#43

Isopropyl Acetate

Concen: 98.543 ug/l

RT: 8.435 min Scan# 1074

Delta R.T. 0.000 min

Lab File: VW032056.D

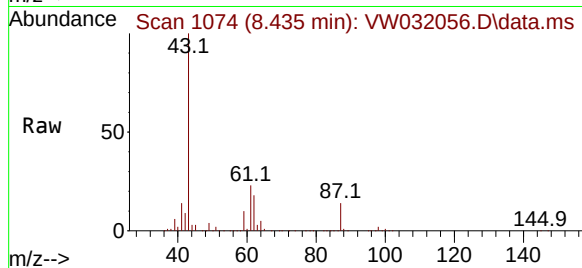
Acq: 11 Aug 2025 10:46

Instrument :

MSVOA_W

ClientSampleId :

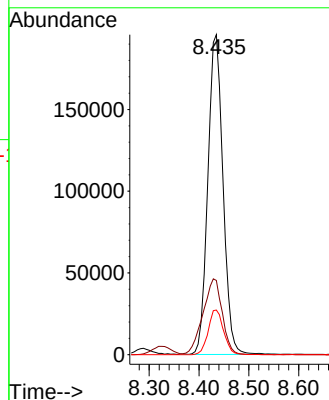
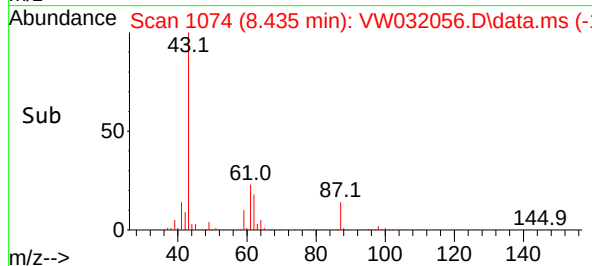
VSTDIC100



Tgt Ion:	43	Resp:	41321
Ion Ratio	100	Lower	Upper
43	100		
61	30.0	23.8	35.8
87	14.2	11.7	17.5

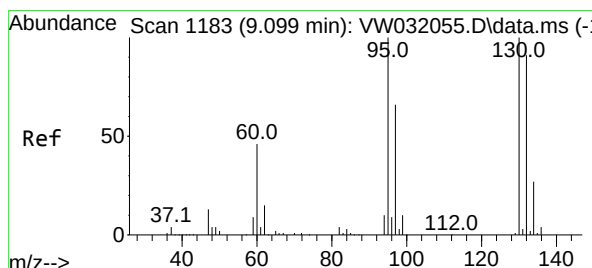
Manual Integrations
APPROVED

Reviewed By :Mahesh
Dadoda



08/12/2025
Supervised By :Semsettin
Yesilyurt

08/12/2025



#44

Trichloroethene

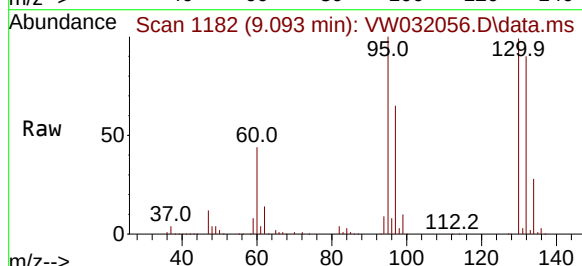
Concen: 94.602 ug/l

RT: 9.093 min Scan# 1182

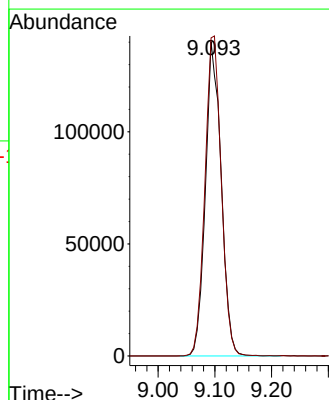
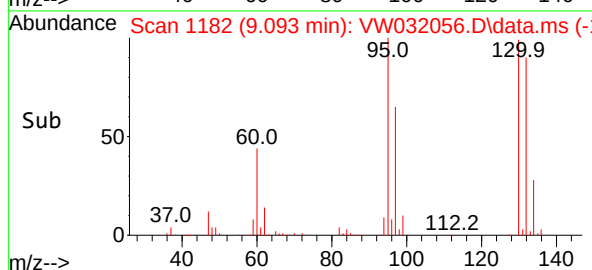
Delta R.T. -0.006 min

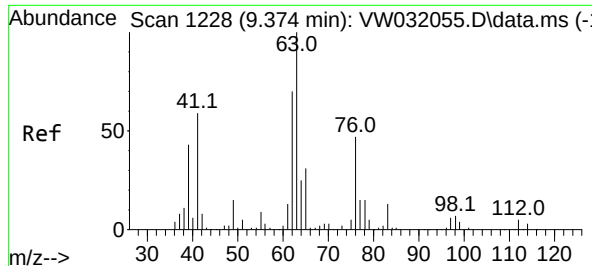
Lab File: VW032056.D

Acq: 11 Aug 2025 10:46



Tgt Ion:	130	Resp:	270995
Ion Ratio	100	Lower	Upper
130	100		
95	101.2	0.0	200.6





#45

1,2-Dichloropropane

Concen: 95.707 ug/l

RT: 9.374 min Scan# 1228

Delta R.T. -0.000 min

Lab File: VW032056.D

Acq: 11 Aug 2025 10:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tgt Ion: 63 Resp: 278124

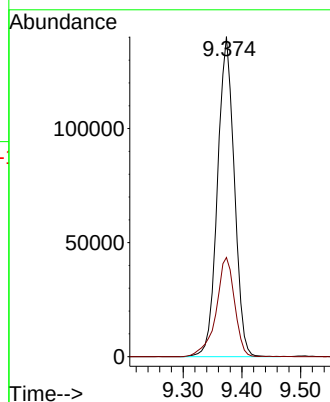
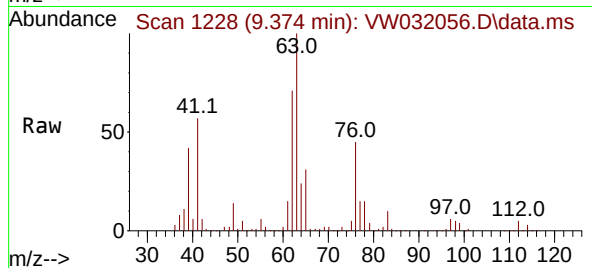
Ion Ratio Lower Upper

63 100

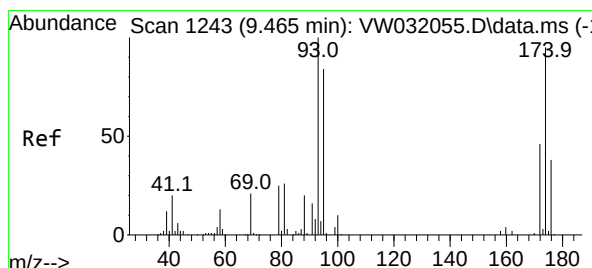
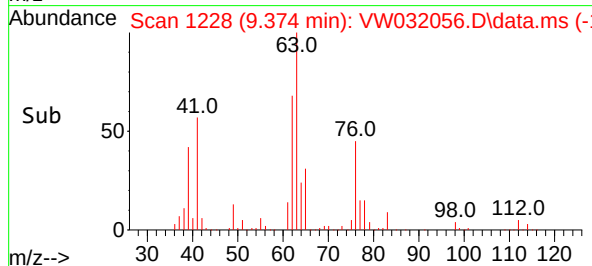
65 31.0 24.6 36.8

Manual Integrations

APPROVED

Reviewed By :Mahesh
Dadoda08/12/2025
Supervised By :Semsettin
Yesilyurt

08/12/2025



#46

Dibromomethane

Concen: 94.888 ug/l

RT: 9.465 min Scan# 1243

Delta R.T. -0.000 min

Lab File: VW032056.D

Acq: 11 Aug 2025 10:46

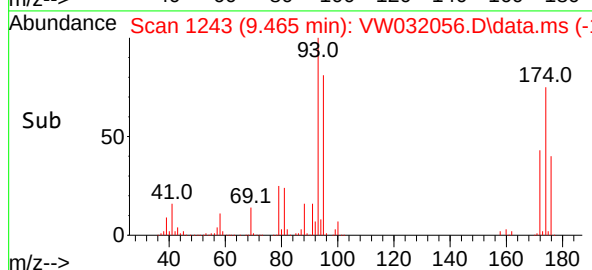
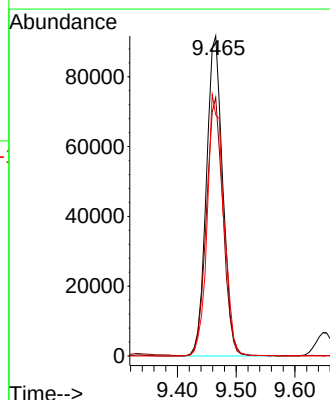
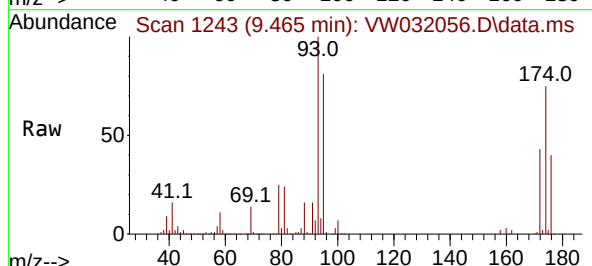
Tgt Ion: 93 Resp: 177966

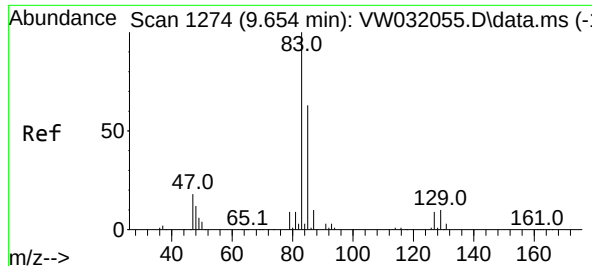
Ion Ratio Lower Upper

93 100

95 81.7 65.3 97.9

174 82.0 68.6 102.8





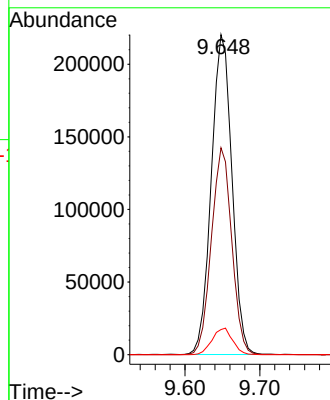
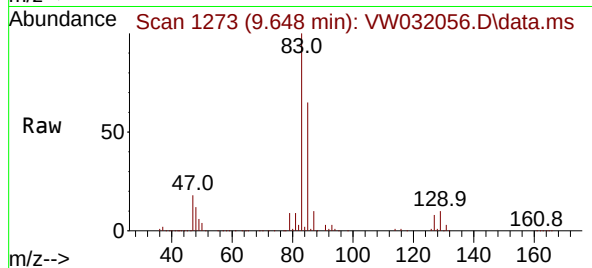
#47
Bromodichloromethane
Concen: 97.867 ug/l
RT: 9.648 min Scan# 1273
Delta R.T. -0.006 min
Lab File: VW032056.D
Acq: 11 Aug 2025 10:46

Instrument :
MSVOA_W
Client Sample Id :
VSTDIC100

Tgt Ion: 83 Resp: 422958
Ion Ratio Lower Upper
83 100
85 64.7 50.6 75.8
127 7.9 6.9 10.3

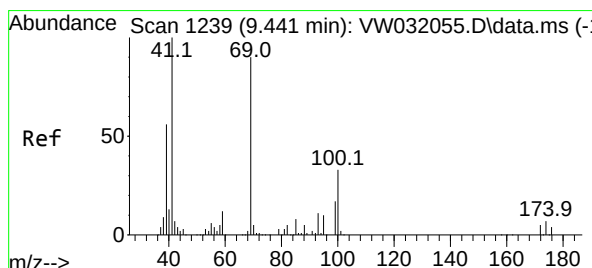
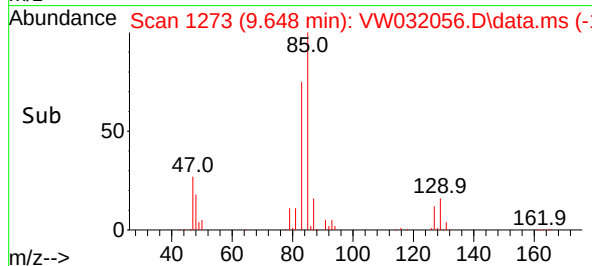
Manual Integrations
APPROVED

Reviewed By :Mahesh
Dadoda



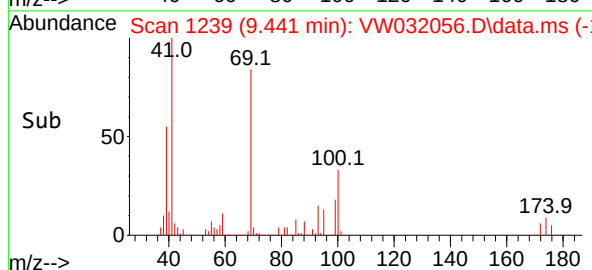
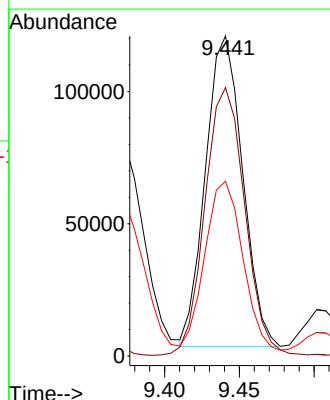
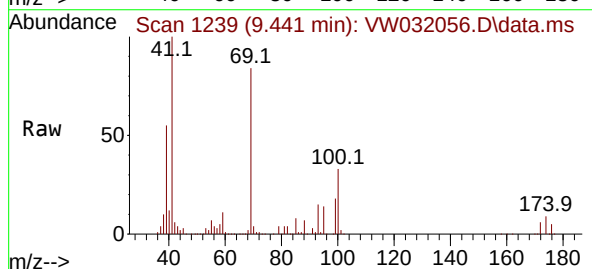
08/12/2025
Supervised By :Semsettin
Yesilyurt

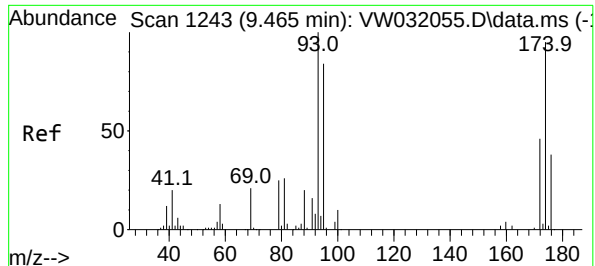
08/12/2025



#48
Methyl methacrylate
Concen: 100.098 ug/l
RT: 9.441 min Scan# 1239
Delta R.T. 0.000 min
Lab File: VW032056.D
Acq: 11 Aug 2025 10:46

Tgt Ion: 41 Resp: 202632
Ion Ratio Lower Upper
41 100
69 93.5 73.0 109.6
39 55.0 45.0 67.4





#49

1,4-Dioxane

Concen: 1912.696 ug/l

RT: 9.459 min Scan# 11

Delta R.T. -0.006 min

Lab File: VW032056.D

Acq: 11 Aug 2025 10:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC100

Tgt Ion: 88 Resp: 4638

Ion Ratio Lower Upper

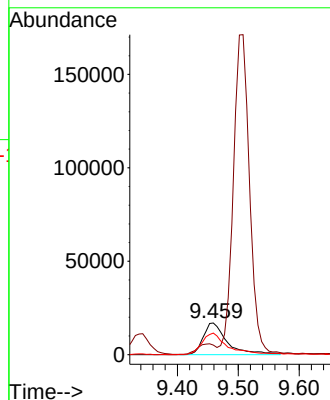
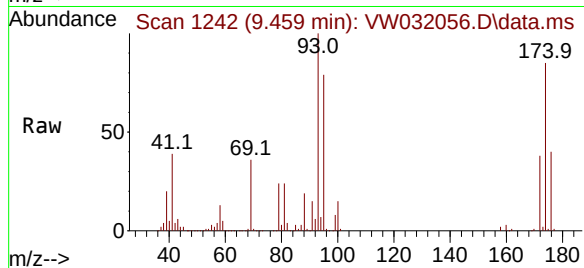
88 100

43 25.4 20.6 30.8

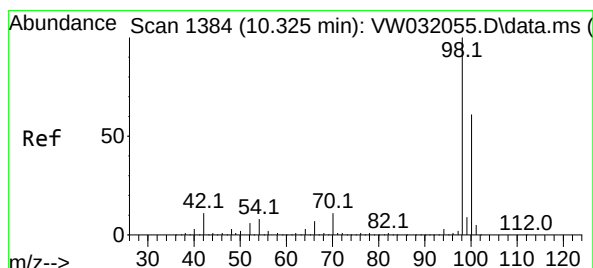
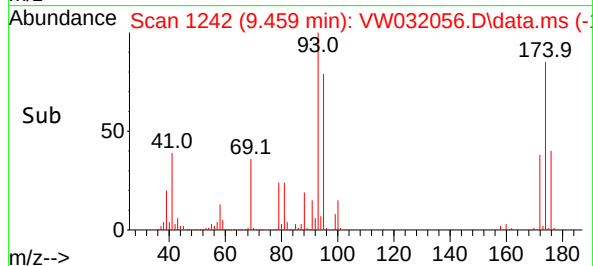
58 75.0 60.4 90.6

Manual Integrations

APPROVED

Reviewed By :Mahesh
Dadoda08/12/2025
Supervised By :Semsettin
Yesilyurt

08/12/2025



#50

Toluene-d8

Concen: 99.078 ug/l

RT: 10.325 min Scan# 1384

Delta R.T. -0.000 min

Lab File: VW032056.D

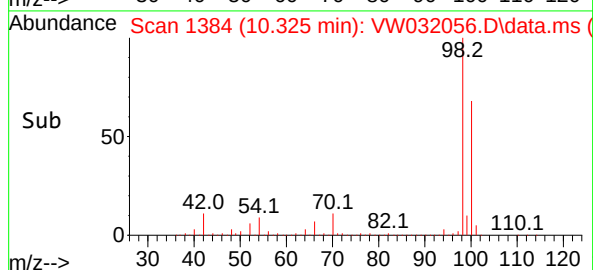
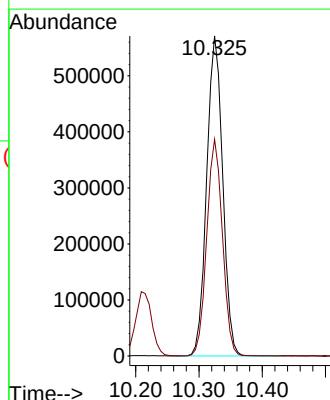
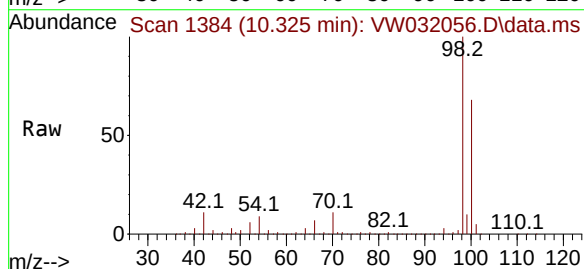
Acq: 11 Aug 2025 10:46

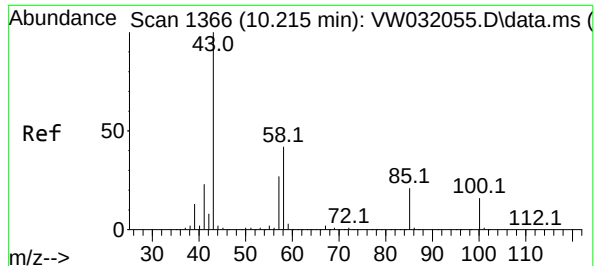
Tgt Ion: 98 Resp: 1005940

Ion Ratio Lower Upper

98 100

100 66.3 51.1 76.7





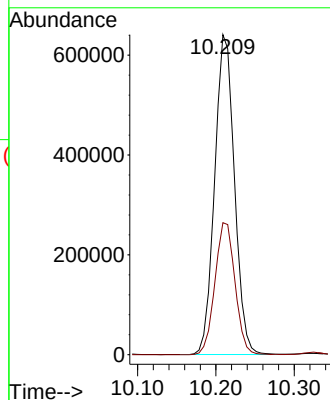
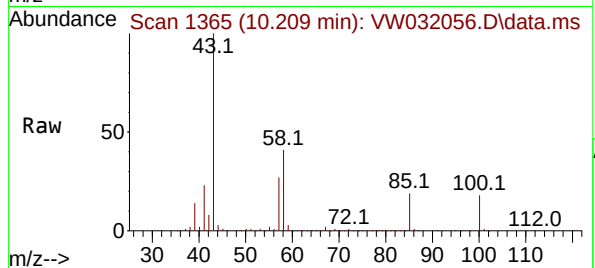
#51
4-Methyl-2-Pentanone
Concen: 476.209 ug/l
RT: 10.209 min Scan# 1365
Delta R.T. -0.006 min
Lab File: VW032056.D
Acq: 11 Aug 2025 10:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tgt Ion: 43 Resp: 1127080
Ion Ratio Lower Upper
43 100
58 41.9 33.1 49.7

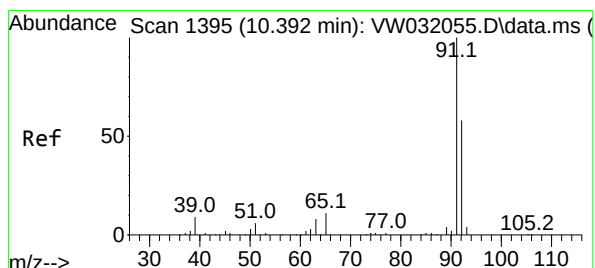
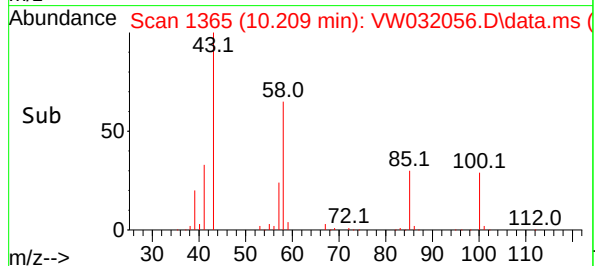
Manual Integrations
APPROVED

Reviewed By :Mahesh
Dadoda



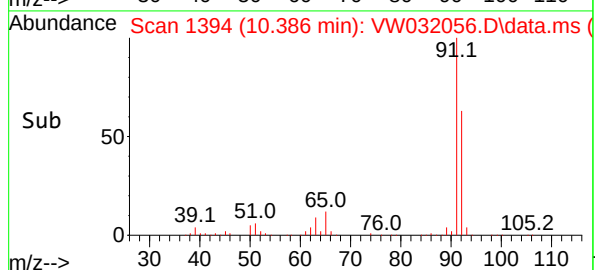
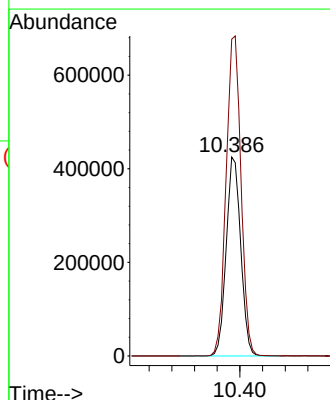
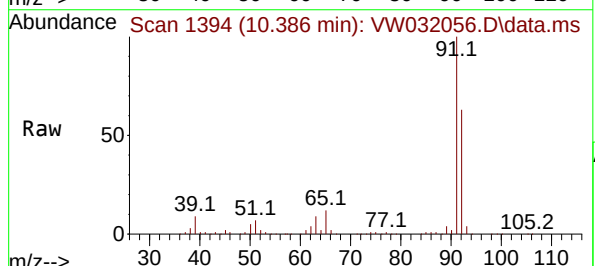
08/12/2025
Supervised By :Semsettin
Yesilyurt

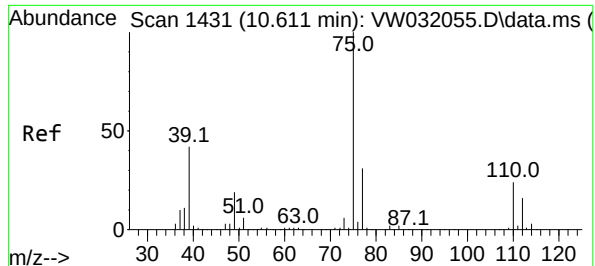
08/12/2025



#52
Toluene
Concen: 99.464 ug/l
RT: 10.386 min Scan# 1394
Delta R.T. -0.006 min
Lab File: VW032056.D
Acq: 11 Aug 2025 10:46

Tgt Ion: 92 Resp: 753592
Ion Ratio Lower Upper
92 100
91 165.0 136.3 204.5





#53

t-1,3-Dichloropropene

Concen: 101.442 ug/l

RT: 10.605 min Scan# 1430

Delta R.T. -0.006 min

Lab File: VW032056.D

Acq: 11 Aug 2025 10:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tgt Ion: 75 Resp: 410734

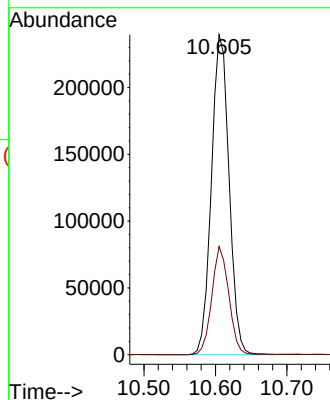
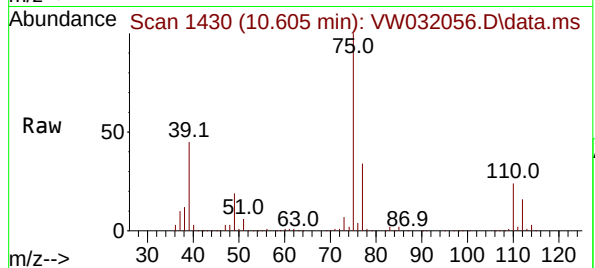
Ion Ratio Lower Upper

75 100

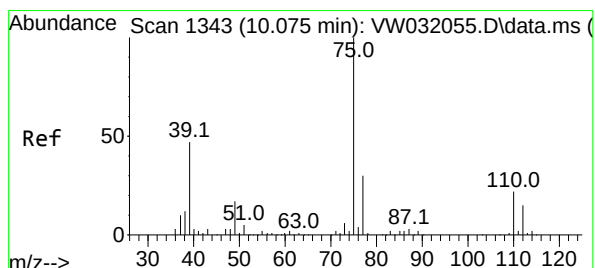
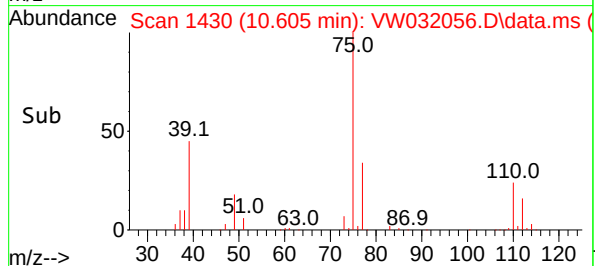
77 33.8 25.0 37.6

Manual Integrations

APPROVED

Reviewed By :Mahesh
Dadoda08/12/2025
Supervised By :Semsettin
Yesilyurt

08/12/2025



#54

cis-1,3-Dichloropropene

Concen: 102.096 ug/l

RT: 10.075 min Scan# 1343

Delta R.T. 0.000 min

Lab File: VW032056.D

Acq: 11 Aug 2025 10:46

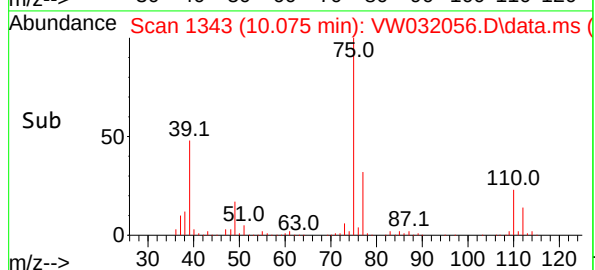
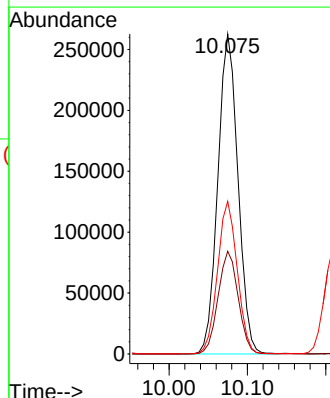
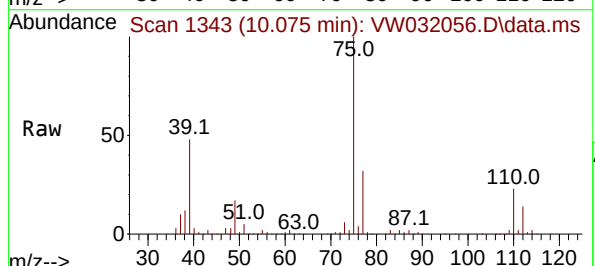
Tgt Ion: 75 Resp: 468972

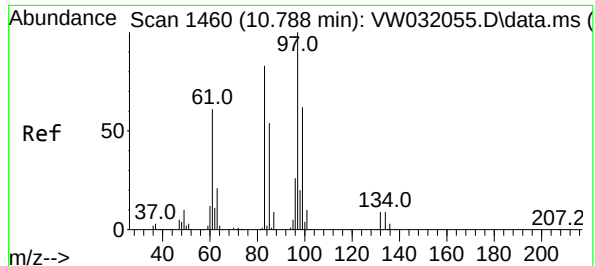
Ion Ratio Lower Upper

75 100

77 32.1 24.0 36.0

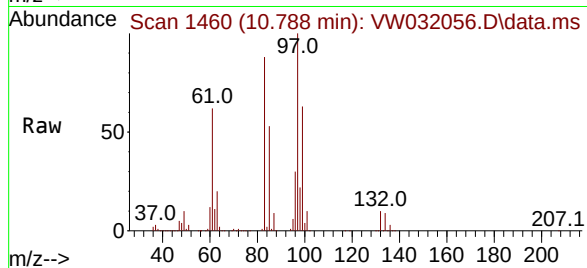
39 47.6 37.8 56.8





#55
1,1,2-Trichloroethane
Concen: 96.099 ug/l
RT: 10.788 min Scan# 1460
Delta R.T. -0.000 min
Lab File: VW032056.D
Acq: 11 Aug 2025 10:46

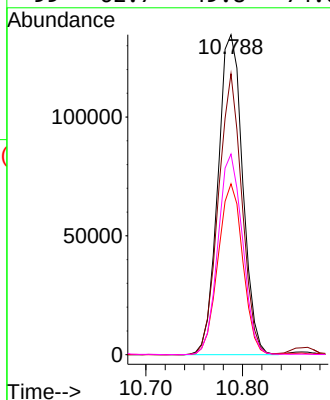
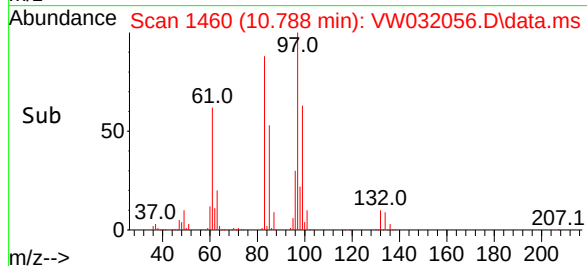
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100



Tgt Ion: 97 Resp: 23950
Ion Ratio Lower Upper
97 100
83 87.8 66.4 99.6
85 53.4 43.1 64.7
99 62.7 49.8 74.6

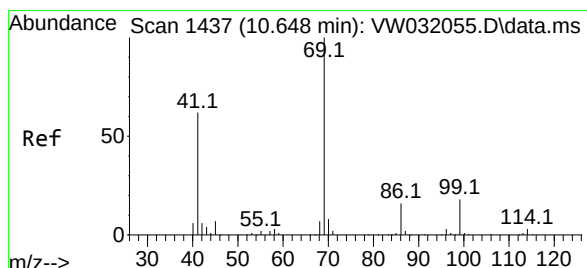
Manual Integrations
APPROVED

Reviewed By :Mahesh
Dadoda

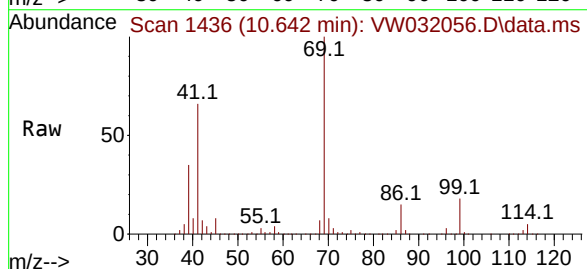


08/12/2025
Supervised By :Semsettin
Yesilyurt

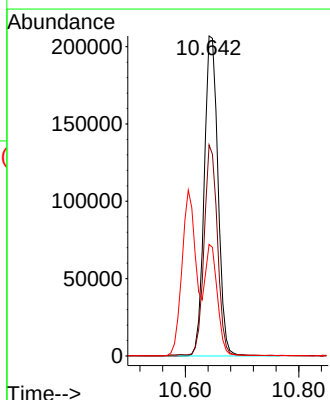
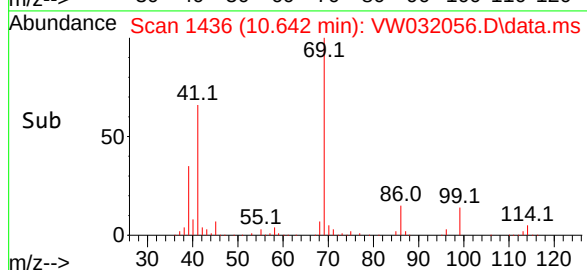
08/12/2025

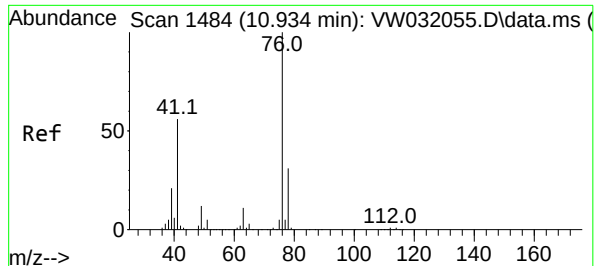


#56
Ethyl methacrylate
Concen: 104.477 ug/l
RT: 10.642 min Scan# 1436
Delta R.T. -0.006 min
Lab File: VW032056.D
Acq: 11 Aug 2025 10:46



Tgt Ion: 69 Resp: 348446
Ion Ratio Lower Upper
69 100
41 64.5 51.2 76.8
39 30.2 25.4 38.0





#57

1,3-Dichloropropane

Concen: 95.056 ug/l

RT: 10.934 min Scan# 1484

Delta R.T. 0.000 min

Lab File: VW032056.D

Acq: 11 Aug 2025 10:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC100

Tgt Ion: 76 Resp: 412949

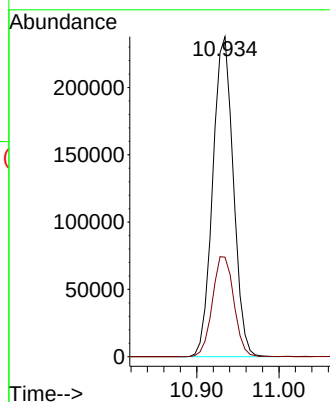
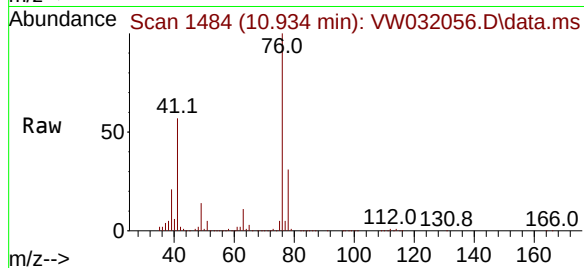
Ion Ratio Lower Upper

76 100

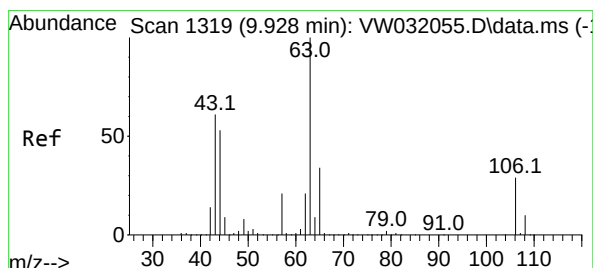
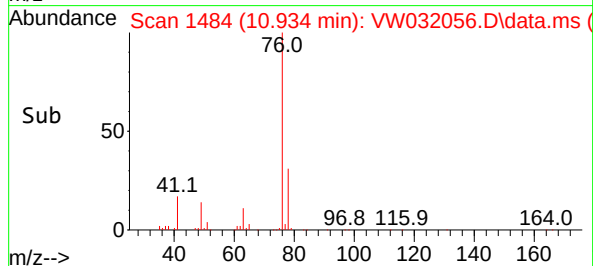
78 32.7 25.8 38.6

Manual Integrations

APPROVED

Reviewed By :Mahesh
Dadoda08/12/2025
Supervised By :Semsettin
Yesilyurt

08/12/2025



#58

2-Chloroethyl Vinyl ether

Concen: 513.956 ug/l

RT: 9.928 min Scan# 1319

Delta R.T. 0.000 min

Lab File: VW032056.D

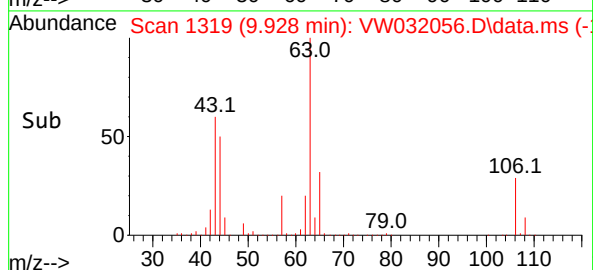
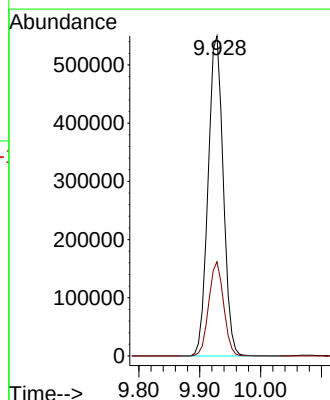
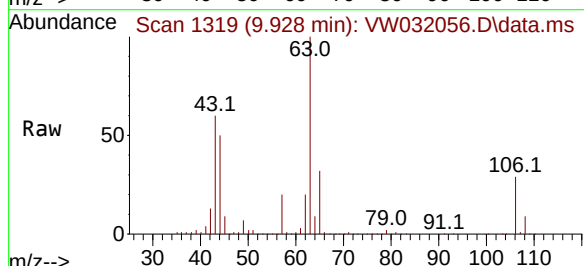
Acq: 11 Aug 2025 10:46

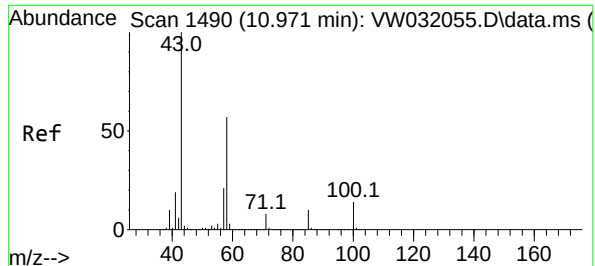
Tgt Ion: 63 Resp: 948129

Ion Ratio Lower Upper

63 100

106 28.9 23.5 35.3





#59

2-Hexanone

Concen: 484.283 ug/l

RT: 10.965 min Scan# 1490

Delta R.T. -0.006 min

Lab File: VW032056.D

Acq: 11 Aug 2025 10:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tgt Ion: 43 Resp: 793810

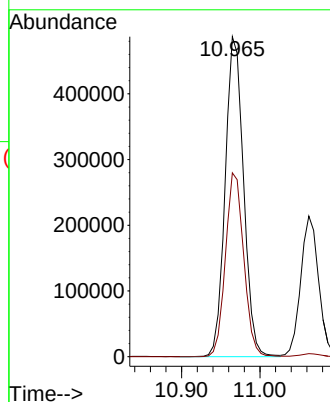
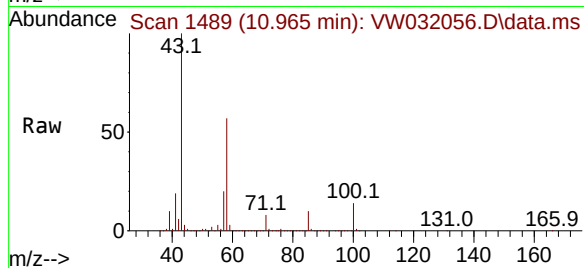
Ion Ratio Lower Upper

43 100

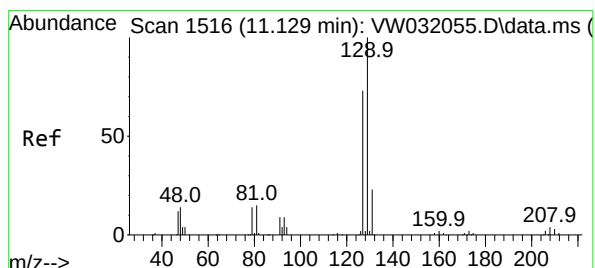
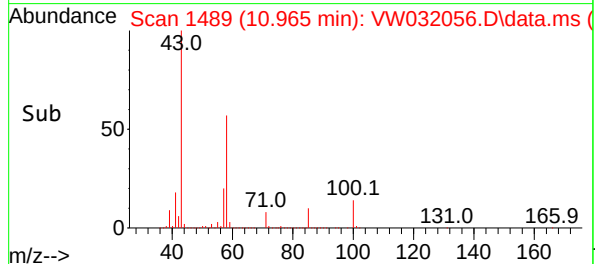
58 57.2 28.3 85.0

Manual Integrations

APPROVED

Reviewed By :Mahesh
Dadoda08/12/2025
Supervised By :Semsettin
Yesilyurt

08/12/2025



#60

Dibromochloromethane

Concen: 99.074 ug/l

RT: 11.129 min Scan# 1516

Delta R.T. -0.000 min

Lab File: VW032056.D

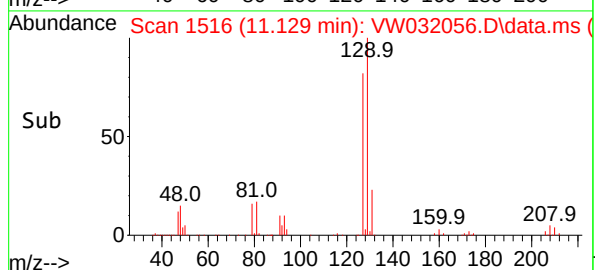
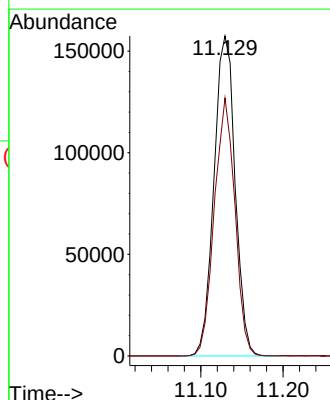
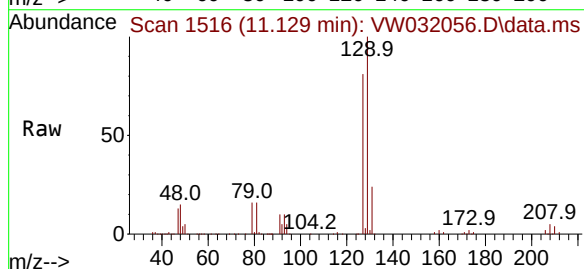
Acq: 11 Aug 2025 10:46

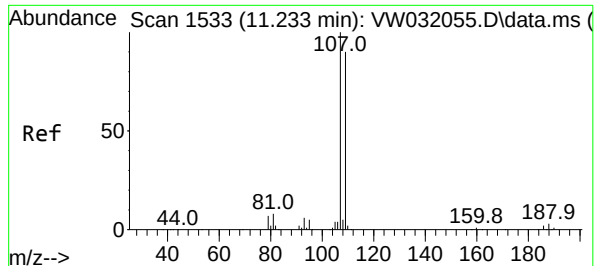
Tgt Ion:129 Resp: 282060

Ion Ratio Lower Upper

129 100

127 78.5 39.0 116.9





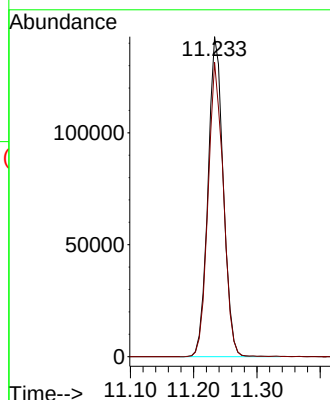
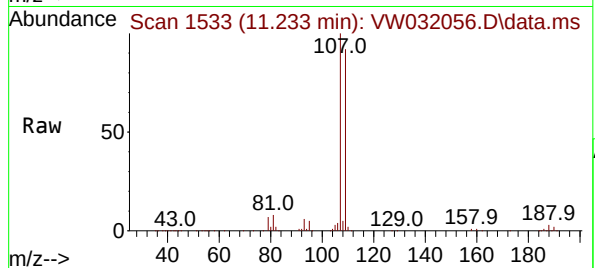
#61
1,2-Dibromoethane
Concen: 99.317 ug/l
RT: 11.233 min Scan# 1533
Delta R.T. 0.000 min
Lab File: VW032056.D
Acq: 11 Aug 2025 10:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tgt Ion:107 Resp: 24054
Ion Ratio Lower Upper
107 100
109 92.1 74.2 111.4

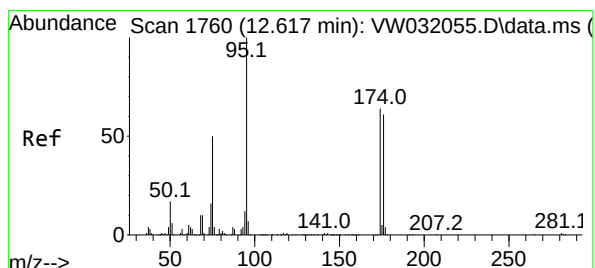
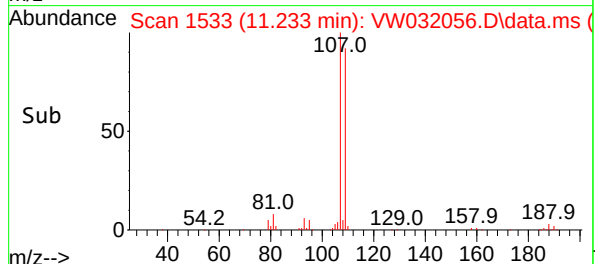
Manual Integrations
APPROVED

Reviewed By :Mahesh
Dadoda



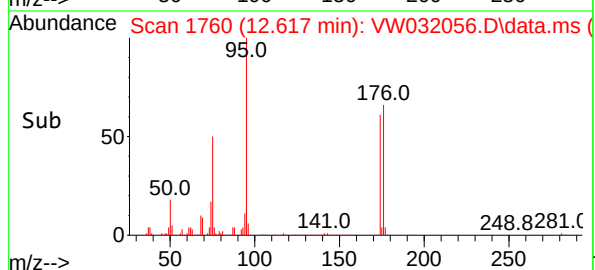
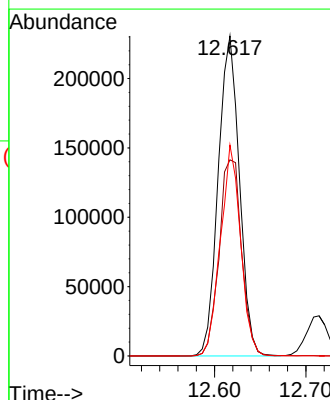
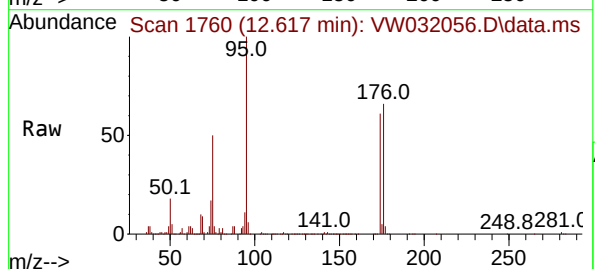
08/12/2025
Supervised By :Semsettin
Yesilyurt

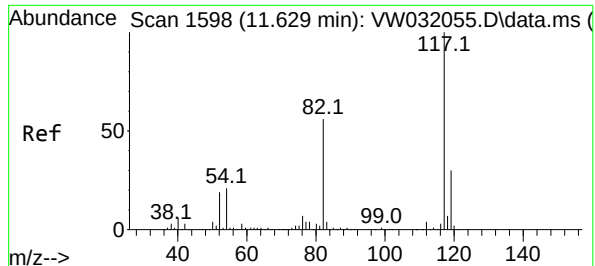
08/12/2025



#62
4-Bromofluorobenzene
Concen: 99.536 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032056.D
Acq: 11 Aug 2025 10:46

Tgt Ion: 95 Resp: 372416
Ion Ratio Lower Upper
95 100
174 65.2 0.0 129.0
176 62.8 0.0 124.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.629 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW032056.D

Acq: 11 Aug 2025 10:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tgt Ion:117 Resp: 38770

Ion Ratio Lower Upper

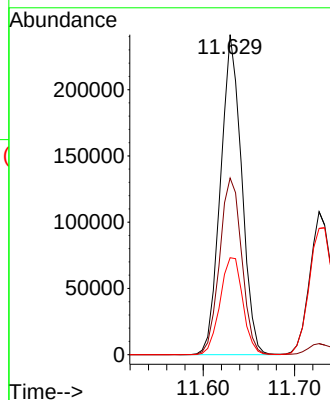
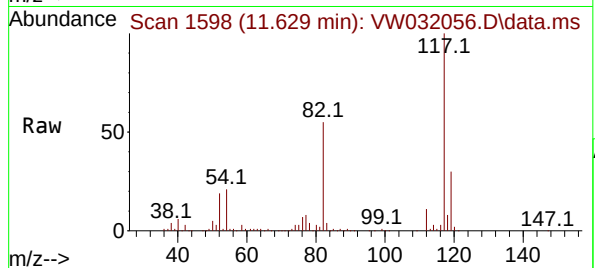
117 100

82 55.2 45.0 67.4

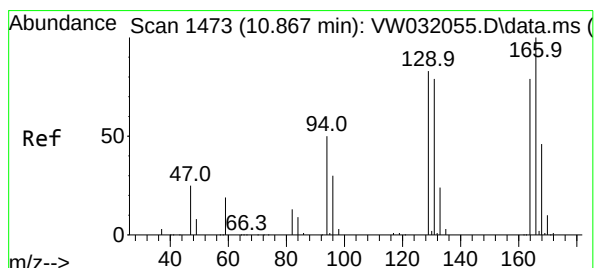
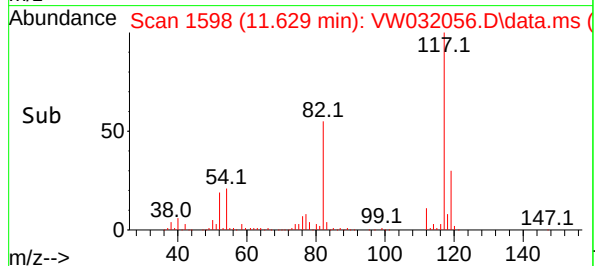
119 30.3 24.2 36.4

Manual Integrations

APPROVED

Reviewed By :Mahesh
Dadoda08/12/2025
Supervised By :Semsettin
Yesilyurt

08/12/2025



#64

Tetrachloroethene

Concen: 95.247 ug/l

RT: 10.867 min Scan# 1473

Delta R.T. -0.000 min

Lab File: VW032056.D

Acq: 11 Aug 2025 10:46

Tgt Ion:164 Resp: 213297

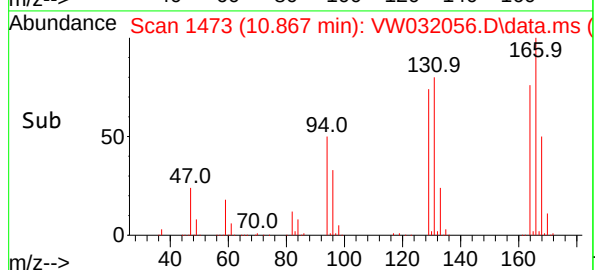
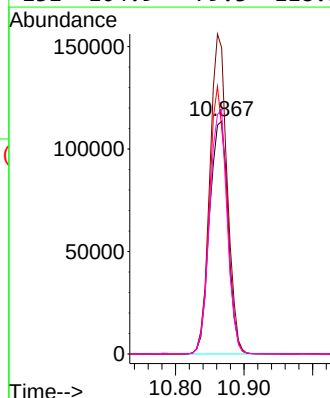
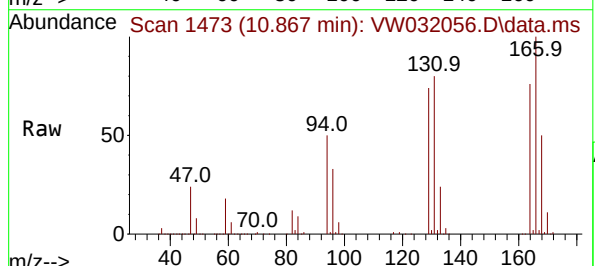
Ion Ratio Lower Upper

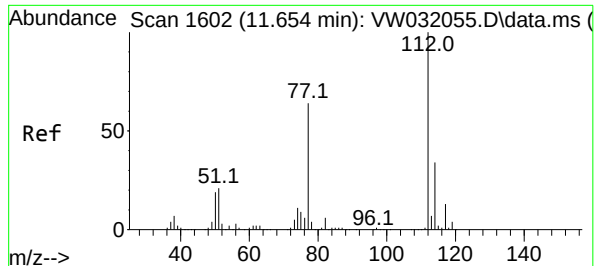
164 100

166 131.5 100.9 151.3

129 97.3 83.6 125.4

131 104.9 79.3 118.9





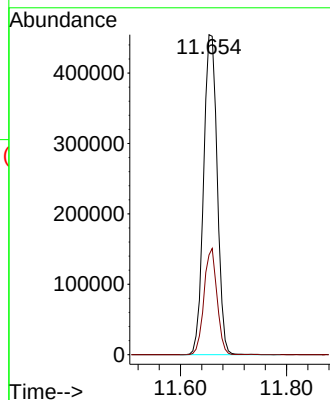
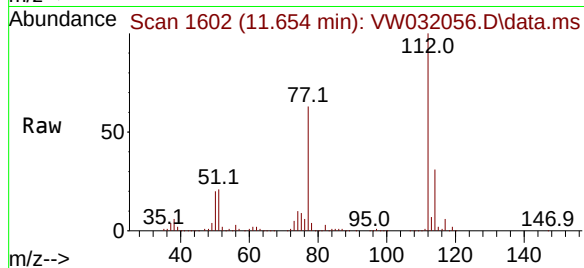
#65
Chlorobenzene
Concen: 95.819 ug/l
RT: 11.654 min Scan# 1602
Delta R.T. 0.000 min
Lab File: VW032056.D
Acq: 11 Aug 2025 10:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tgt Ion:112 Resp: 808609
Ion Ratio Lower Upper
112 100
114 31.1 26.9 40.3

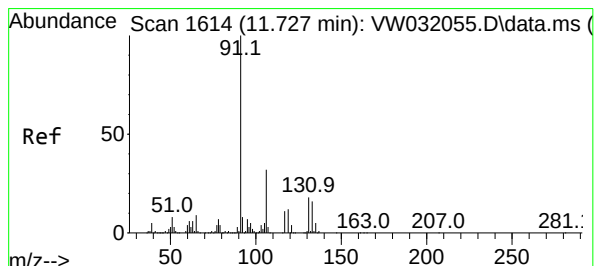
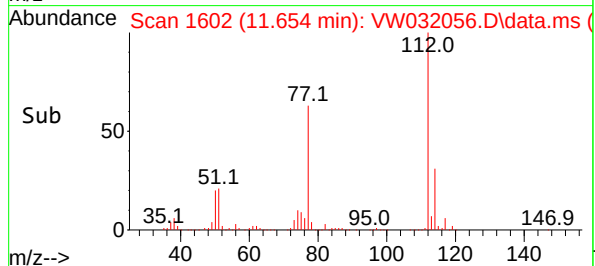
Manual Integrations
APPROVED

Reviewed By :Mahesh
Dadoda



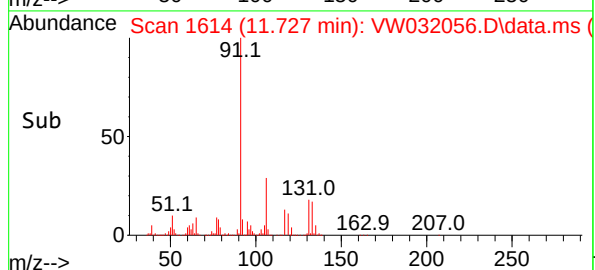
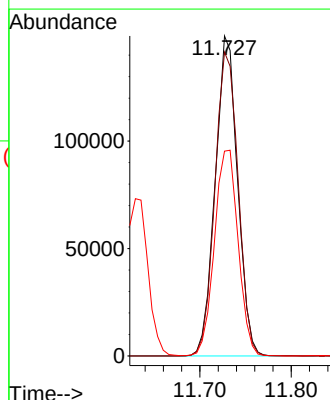
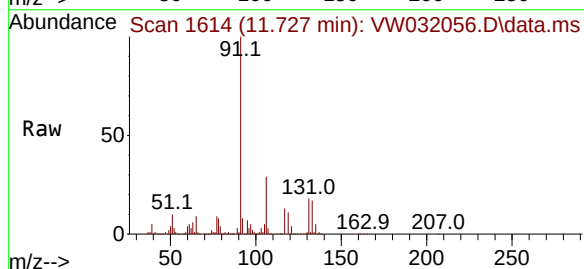
08/12/2025
Supervised By :Semsettin
Yesilyurt

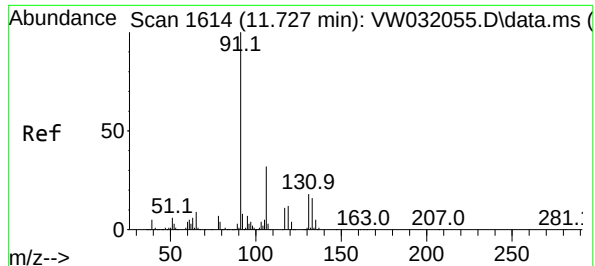
08/12/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 96.197 ug/l
RT: 11.727 min Scan# 1614
Delta R.T. -0.000 min
Lab File: VW032056.D
Acq: 11 Aug 2025 10:46

Tgt Ion:131 Resp: 253284
Ion Ratio Lower Upper
131 100
133 98.6 47.3 142.0
119 68.3 34.5 103.5





#67

Ethyl Benzene

Concen: 99.243 ug/l

RT: 11.727 min Scan# 1614

Delta R.T. -0.000 min

Lab File: VW032056.D

Acq: 11 Aug 2025 10:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tgt Ion: 91 Resp: 1418619

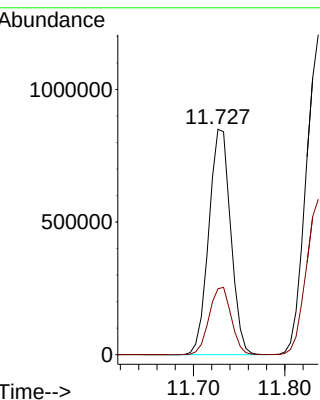
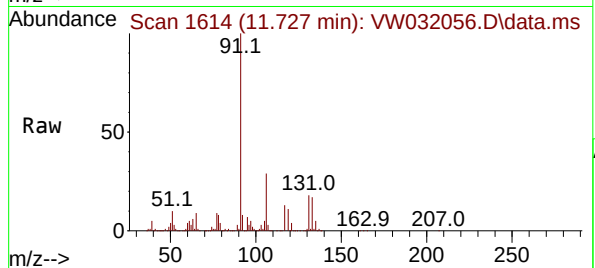
Ion Ratio Lower Upper

91 100

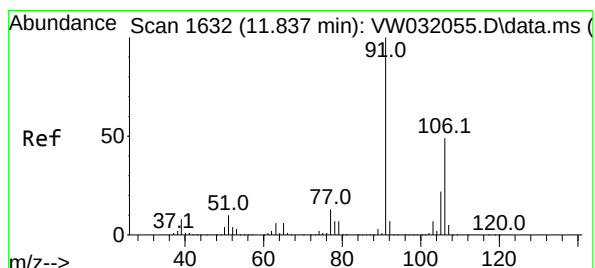
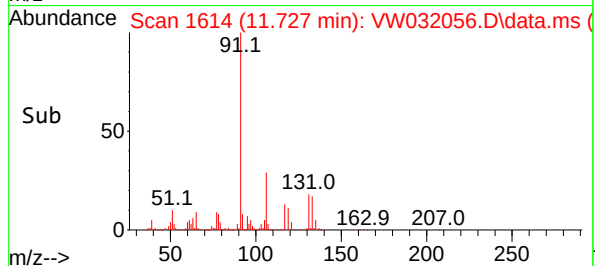
106 29.3 25.4 38.0

Manual Integrations

APPROVED

Reviewed By :Mahesh
Dadoda08/12/2025
Supervised By :Semsettin
Yesilyurt

08/12/2025



#68

m/p-Xylenes

Concen: 197.459 ug/l

RT: 11.837 min Scan# 1632

Delta R.T. 0.000 min

Lab File: VW032056.D

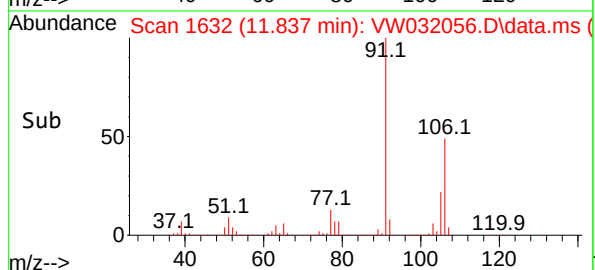
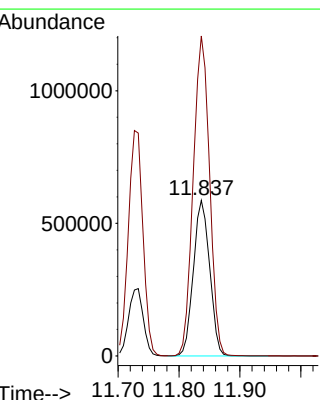
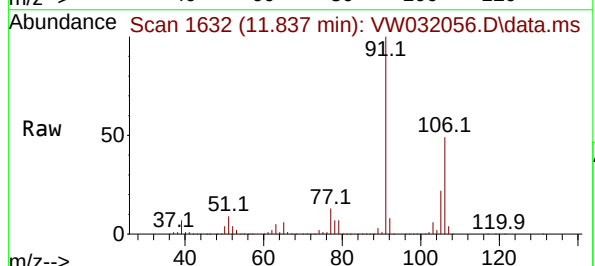
Acq: 11 Aug 2025 10:46

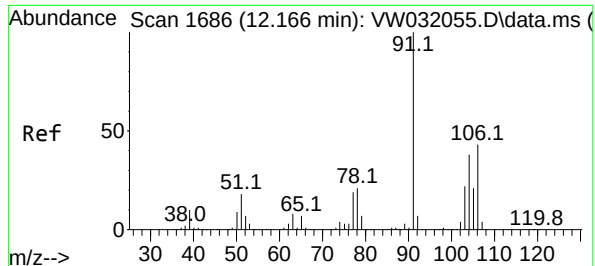
Tgt Ion:106 Resp: 1089143

Ion Ratio Lower Upper

106 100

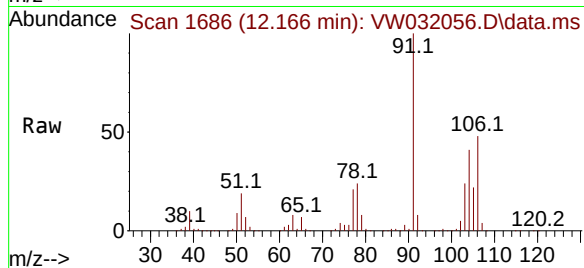
91 206.7 162.2 243.2





#69
o-Xylene
Concen: 102.652 ug/l
RT: 12.166 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VW032056.D
Acq: 11 Aug 2025 10:46

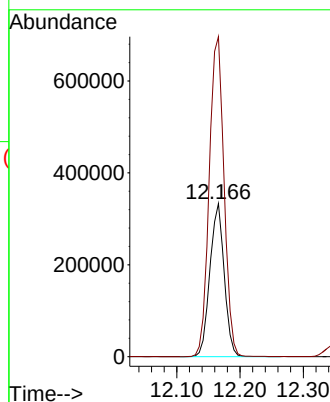
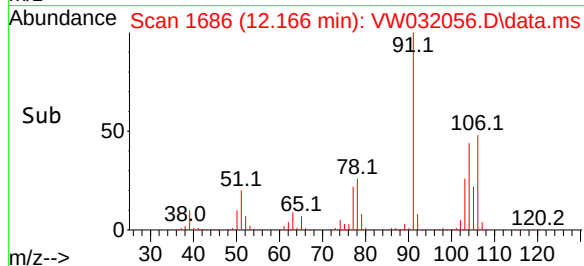
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100



Tgt Ion:106 Resp: 523329
Ion Ratio Lower Upper
106 100
91 216.8 110.8 332.3

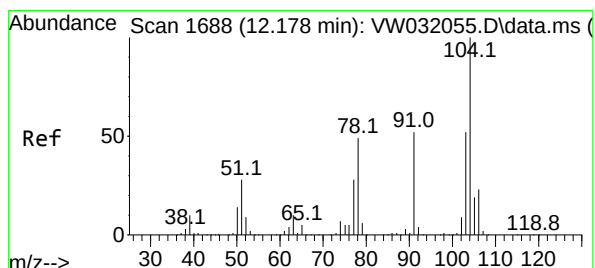
Manual Integrations
APPROVED

Reviewed By :Mahesh
Dadoda

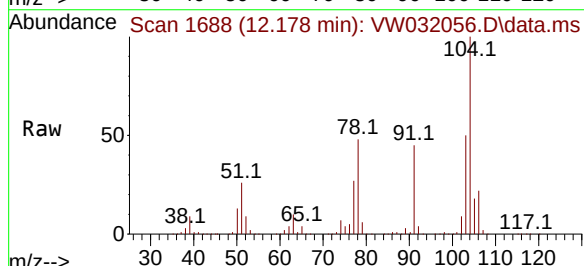


08/12/2025
Supervised By :Semsettin
Yesilyurt

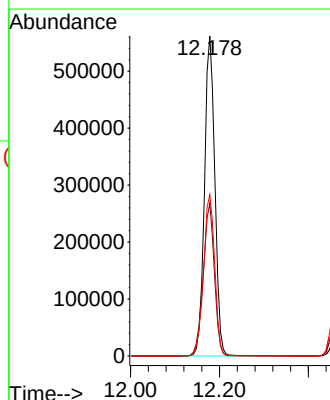
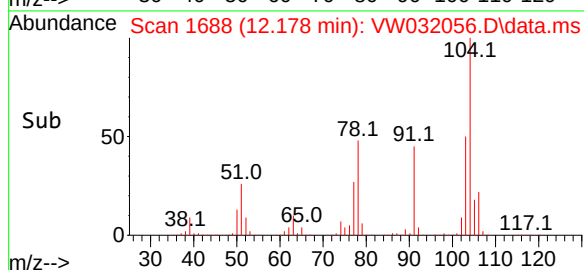
08/12/2025

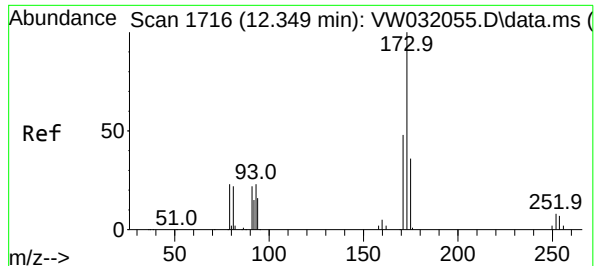


#70
Styrene
Concen: 101.158 ug/l
RT: 12.178 min Scan# 1688
Delta R.T. 0.000 min
Lab File: VW032056.D
Acq: 11 Aug 2025 10:46



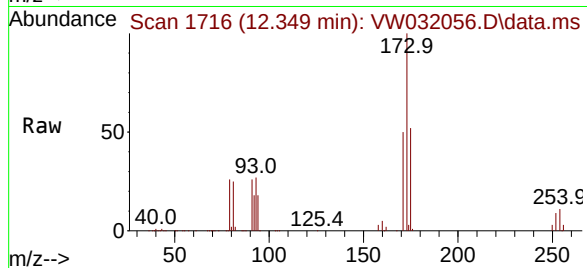
Tgt Ion:104 Resp: 916019
Ion Ratio Lower Upper
104 100
78 51.3 41.2 61.8
103 54.3 43.8 65.8





#71
Bromoform
Concen: 96.794 ug/l
RT: 12.349 min Scan# 1716
Delta R.T. 0.000 min
Lab File: VW032056.D
Acq: 11 Aug 2025 10:46

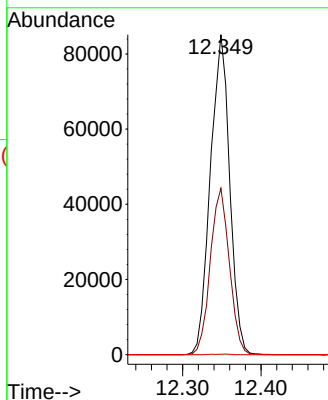
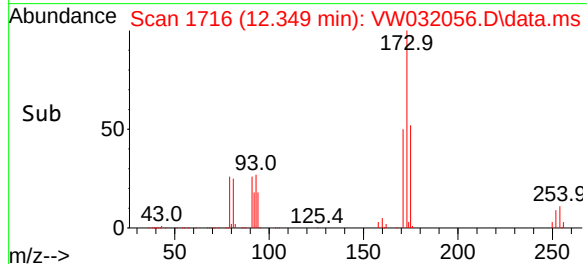
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100



Tgt Ion:173 Resp: 14578
Ion Ratio Lower Upper
173 100
175 51.3 22.9 68.7
254 0.2 0.0 0.0

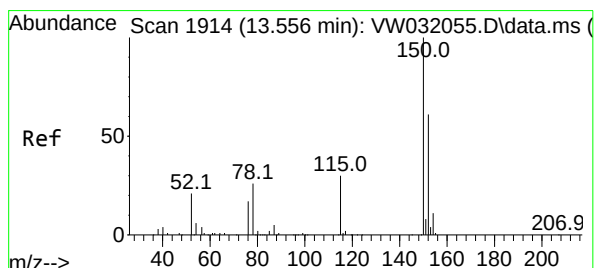
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APPROVED

Reviewed By :Mahesh
Dadoda

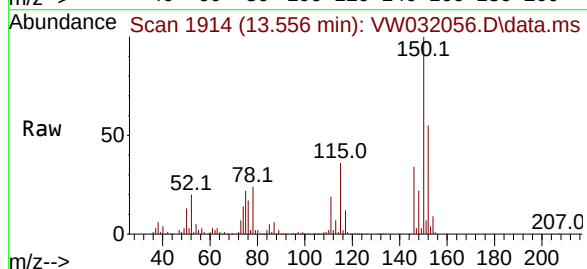


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Supervised By :Semsettin
Yesilyurt

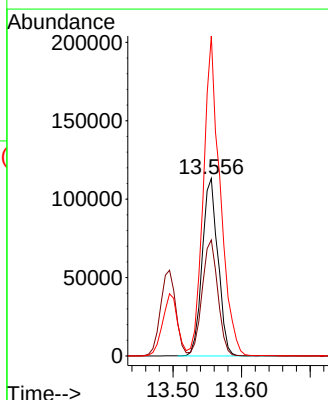
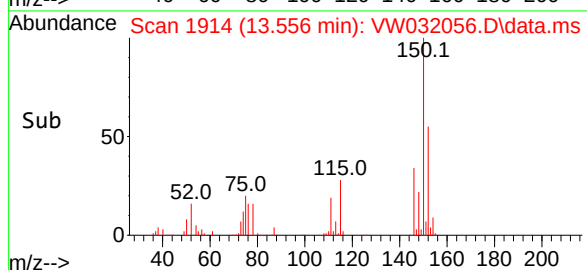
08/12/2025

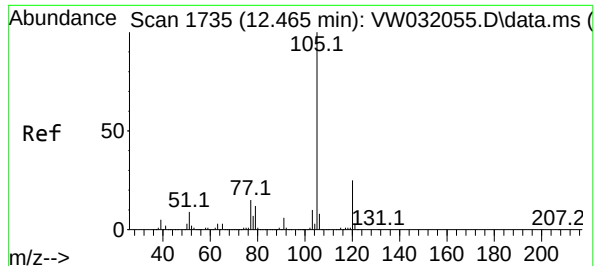


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW032056.D
Acq: 11 Aug 2025 10:46



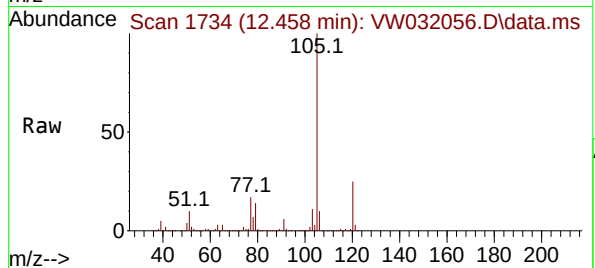
Tgt Ion:152 Resp: 180763
Ion Ratio Lower Upper
152 100
115 65.1 32.6 97.8
150 191.5 0.0 359.4





#73
Isopropylbenzene
Concen: 102.870 ug/l
RT: 12.458 min Scan# 1734
Delta R.T. -0.006 min
Lab File: VW032056.D
Acq: 11 Aug 2025 10:46

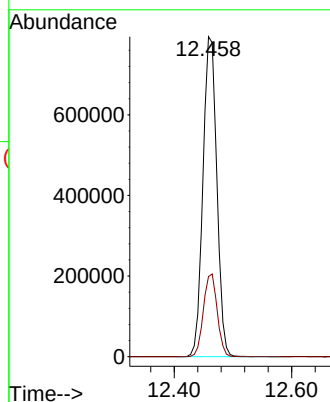
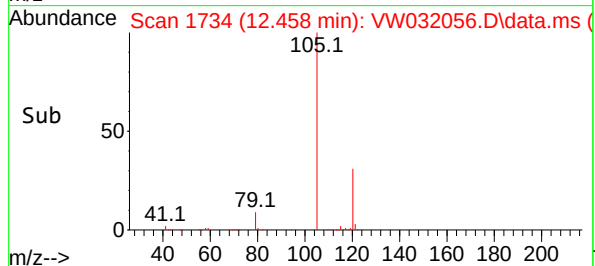
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100



Tgt Ion: 105 Resp: 129953
Ion Ratio Lower Upper
105 100
120 25.7 12.8 38.4

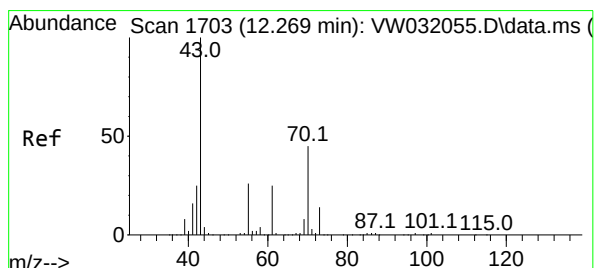
Manual Integrations
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Reviewed By :Mahesh
Dadoda



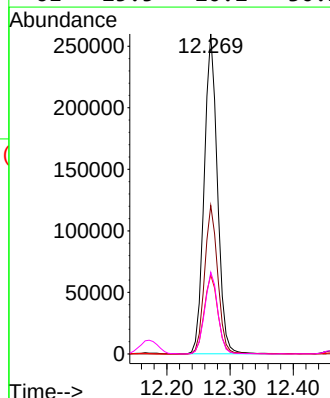
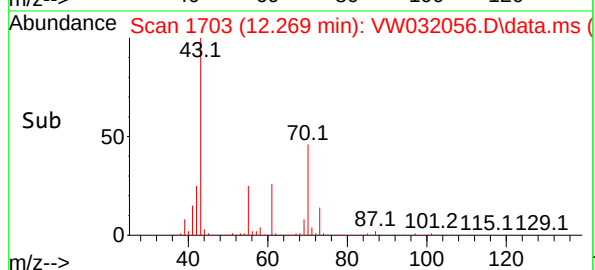
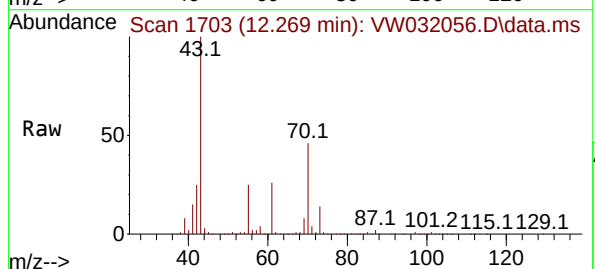
08/12/2025
Supervised By :Semsettin
Yesilyurt

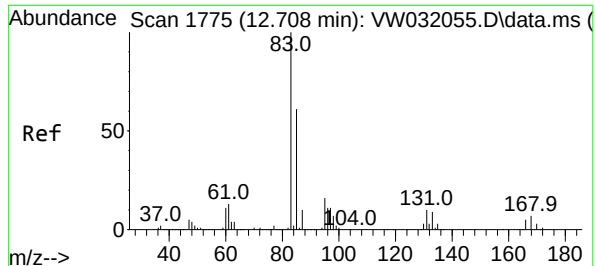
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#74
N-ethyl acetate
Concen: 104.494 ug/l
RT: 12.269 min Scan# 1703
Delta R.T. 0.000 min
Lab File: VW032056.D
Acq: 11 Aug 2025 10:46

Tgt Ion: 43 Resp: 378722
Ion Ratio Lower Upper
43 100
70 46.3 37.0 55.4
55 25.5 21.1 31.7
61 25.5 20.2 30.2





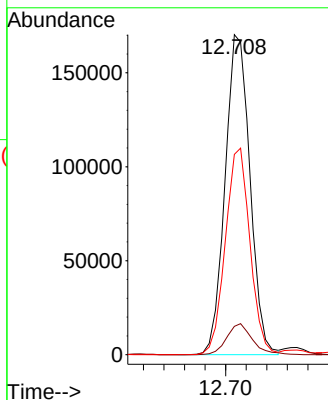
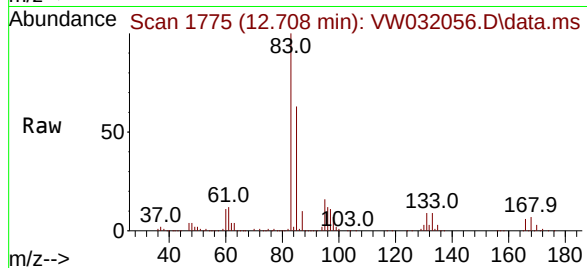
#75
1,1,2,2-Tetrachloroethane
Concen: 95.677 ug/l
RT: 12.708 min Scan# 1775
Delta R.T. -0.000 min
Lab File: VW032056.D
Acq: 11 Aug 2025 10:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tgt Ion: 83 Resp: 28697
Ion Ratio Lower Upper
83 100
131 10.0 5.1 15.4
85 63.9 32.2 96.6

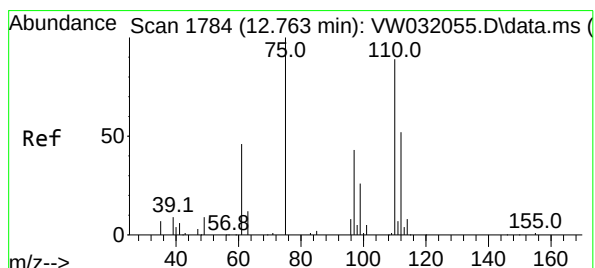
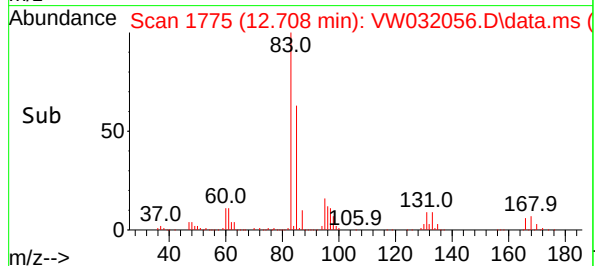
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APPROVED

Reviewed By :Mahesh
Dadoda



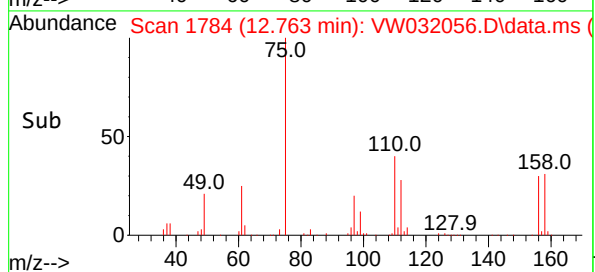
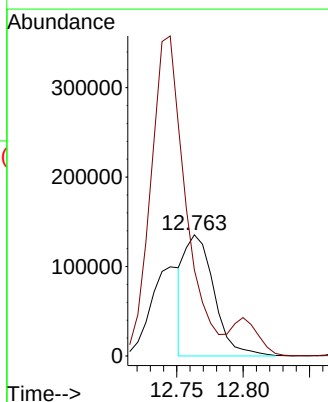
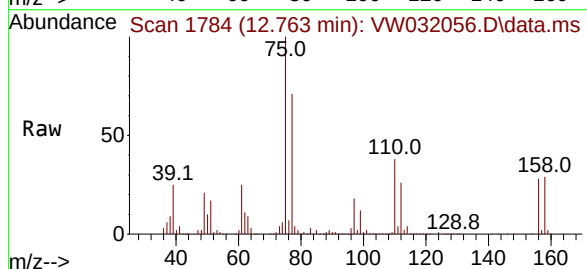
08/12/2025
Supervised By :Semsettin
Yesilyurt

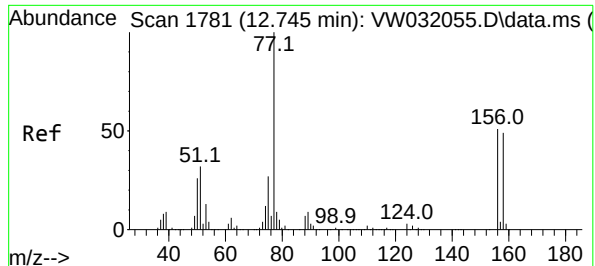
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#76
1,2,3-Trichloropropane
Concen: 75.158 ug/l m
RT: 12.763 min Scan# 1784
Delta R.T. -0.000 min
Lab File: VW032056.D
Acq: 11 Aug 2025 10:46

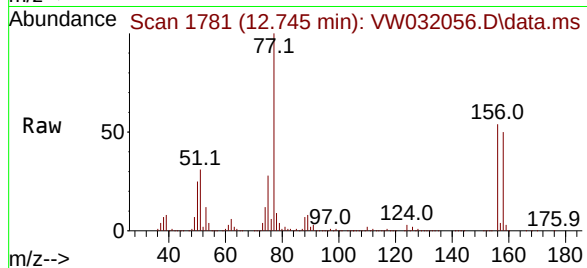
Tgt Ion: 75 Resp: 208848
Ion Ratio Lower Upper
75 100
77 312.0 123.5 370.5





#77
Bromobenzene
Concen: 103.091 ug/l
RT: 12.745 min Scan# 1781
Delta R.T. 0.000 min
Lab File: VW032056.D
Acq: 11 Aug 2025 10:46

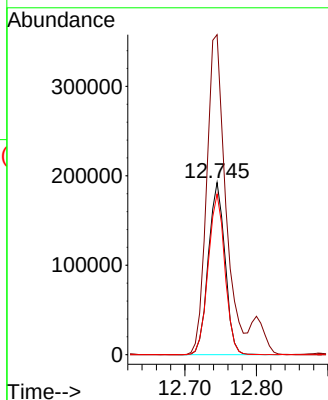
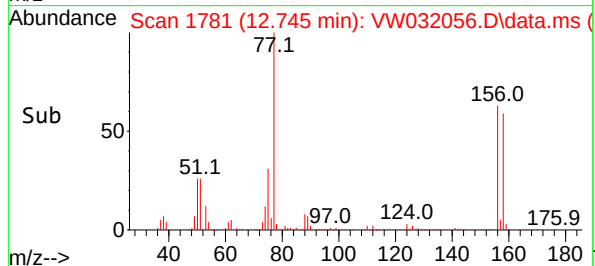
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100



Tgt Ion:156 Resp: 311049
Ion Ratio Lower Upper
156 100
77 209.5 108.7 326.3
158 93.4 48.3 144.9

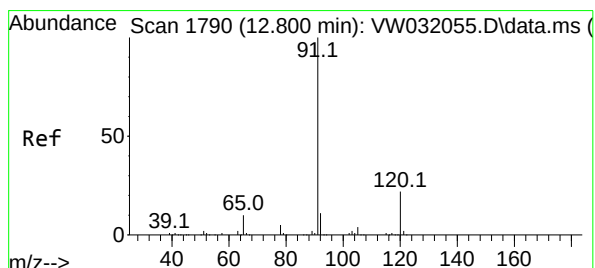
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Reviewed By :Mahesh
Dadoda



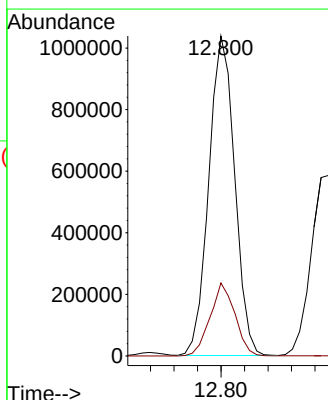
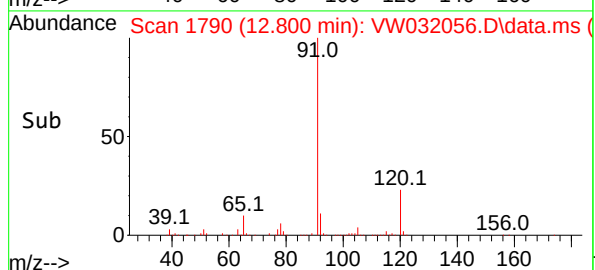
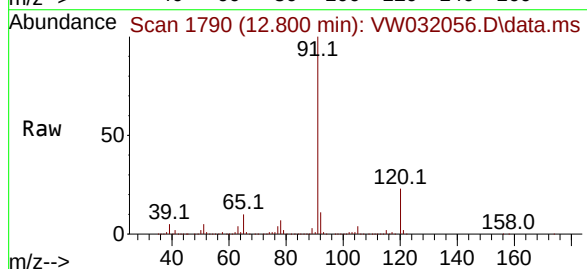
08/12/2025
Supervised By :Semsettin
Yesilyurt

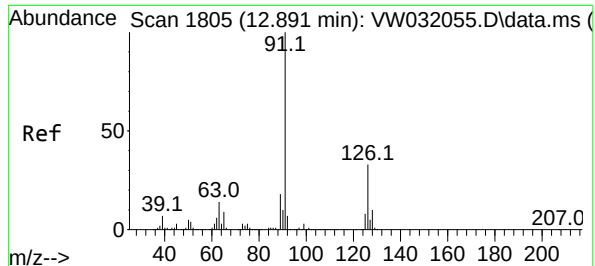
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#78
n-propylbenzene
Concen: 102.177 ug/l
RT: 12.800 min Scan# 1790
Delta R.T. -0.000 min
Lab File: VW032056.D
Acq: 11 Aug 2025 10:46

Tgt Ion: 91 Resp: 1589147
Ion Ratio Lower Upper
91 100
120 21.9 11.1 33.3





#79

2-Chlorotoluene

Concen: 101.505 ug/l

RT: 12.891 min Scan# 1805

Delta R.T. 0.000 min

Lab File: VW032056.D

Acq: 11 Aug 2025 10:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tgt Ion: 91 Resp: 974324

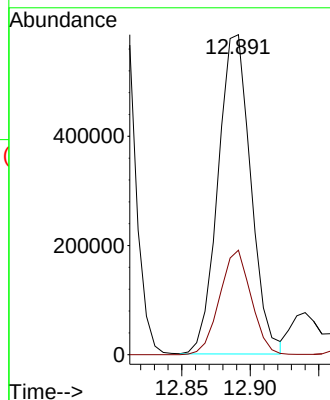
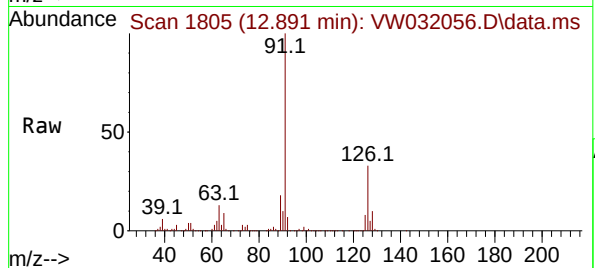
Ion Ratio Lower Upper

91 100

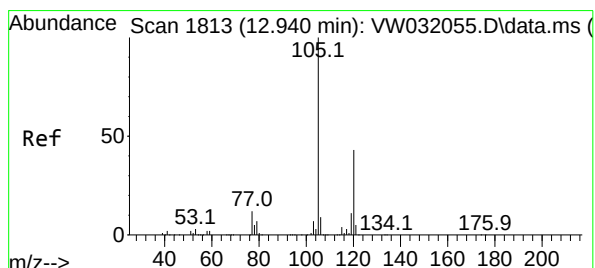
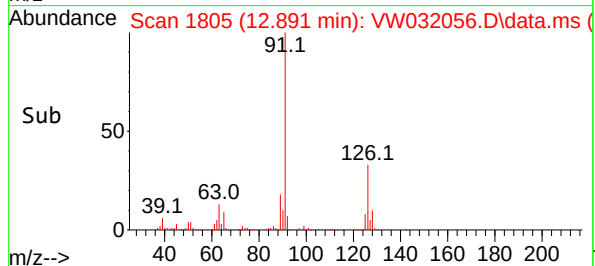
126 31.5 15.9 47.7

Manual Integrations

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Reviewed By :Mahesh
Dadoda08/12/2025
Supervised By :Semsettin
Yesilyurt

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#80

1,3,5-Trimethylbenzene

Concen: 101.912 ug/l

RT: 12.940 min Scan# 1813

Delta R.T. -0.000 min

Lab File: VW032056.D

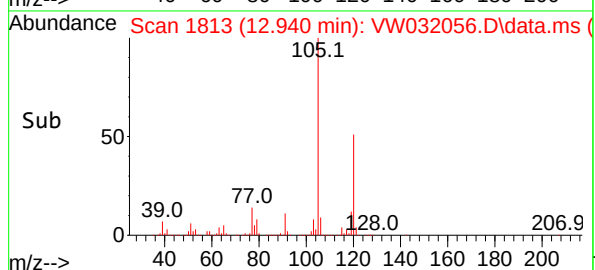
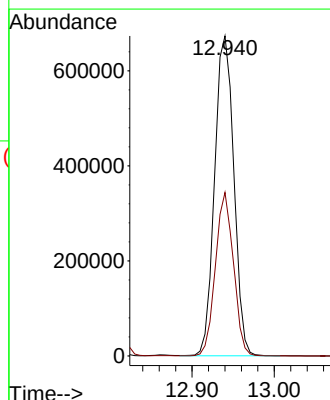
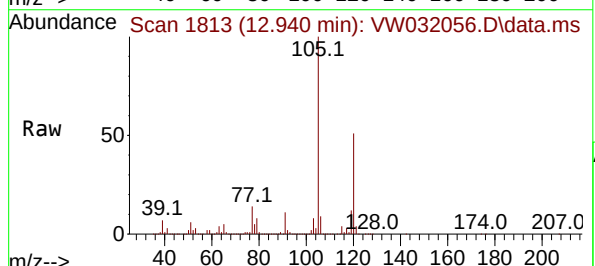
Acq: 11 Aug 2025 10:46

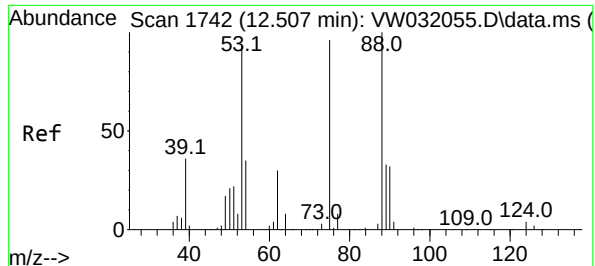
Tgt Ion:105 Resp: 1092987

Ion Ratio Lower Upper

105 100

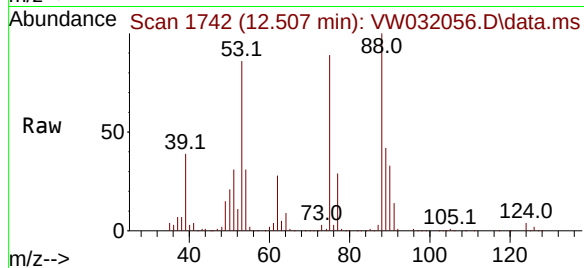
120 48.1 23.4 70.0





#81
trans-1,4-Dichloro-2-butene
Concen: 104.370 ug/l
RT: 12.507 min Scan# 1742
Delta R.T. -0.000 min
Lab File: VW032056.D
Acq: 11 Aug 2025 10:46

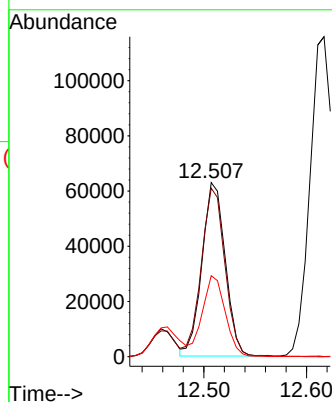
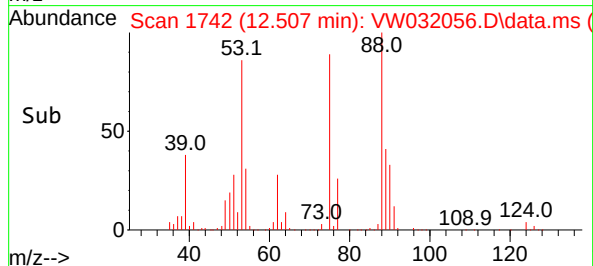
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100



Tgt Ion: 75 Resp: 98900
Ion Ratio Lower Upper
75 100
53 99.2 81.0 121.6
89 46.2 37.3 55.9

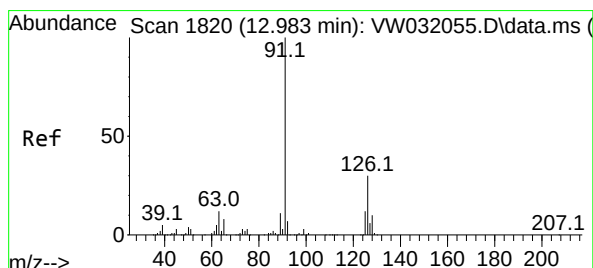
Manual Integrations
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Reviewed By :Mahesh
Dadoda



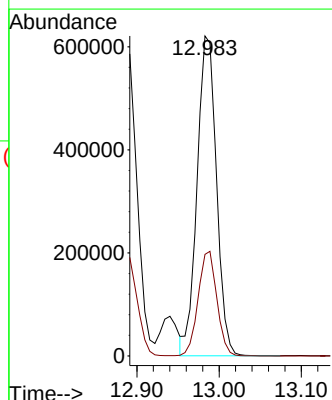
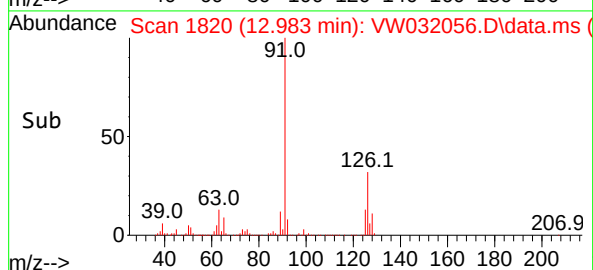
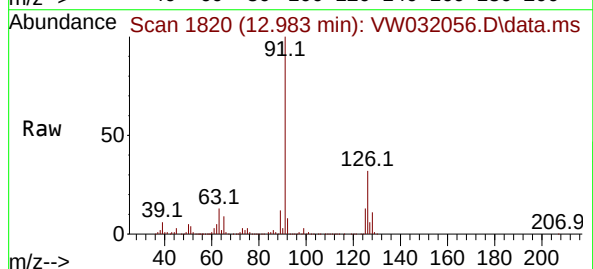
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Supervised By :Semsettin
Yesilyurt

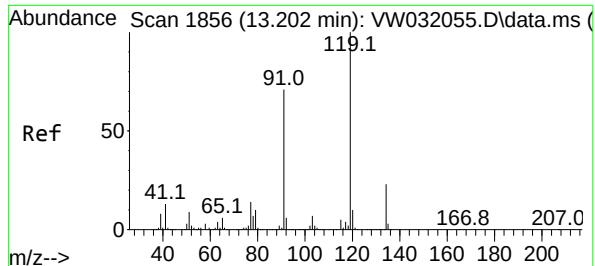
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#82
4-Chlorotoluene
Concen: 99.412 ug/l
RT: 12.983 min Scan# 1820
Delta R.T. 0.000 min
Lab File: VW032056.D
Acq: 11 Aug 2025 10:46

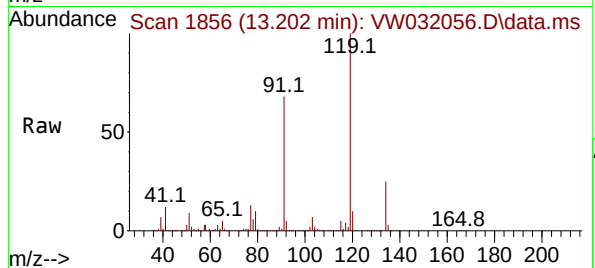
Tgt Ion: 91 Resp: 1013836
Ion Ratio Lower Upper
91 100
126 31.8 15.5 46.5





#83
tert-Butylbenzene
Concen: 103.591 ug/l
RT: 13.202 min Scan# 1856
Delta R.T. -0.000 min
Lab File: VW032056.D
Acq: 11 Aug 2025 10:46

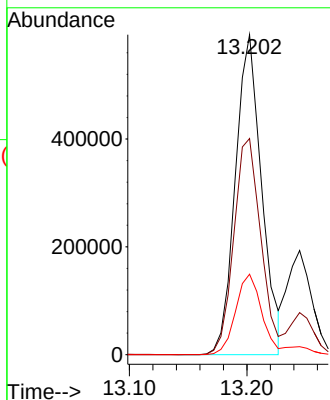
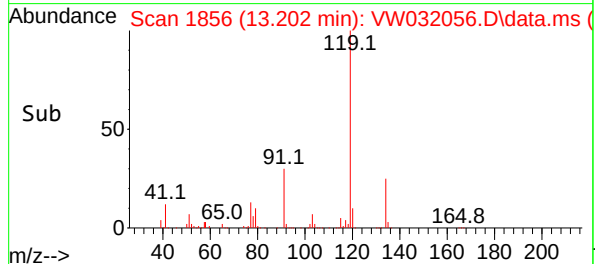
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100



Tgt Ion:119 Resp: 922044
Ion Ratio Lower Upper
119 100
91 69.4 35.3 105.9
134 25.3 12.1 36.3

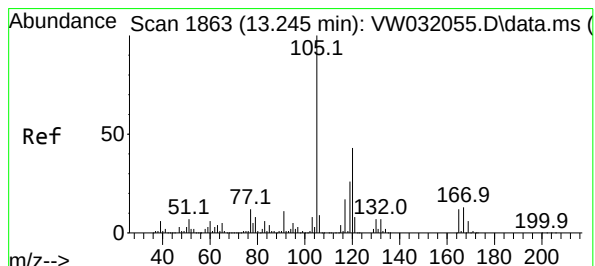
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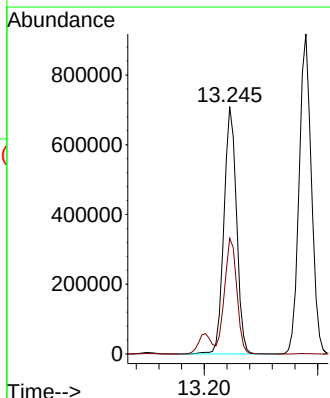
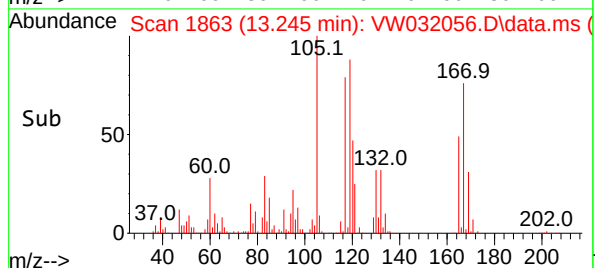
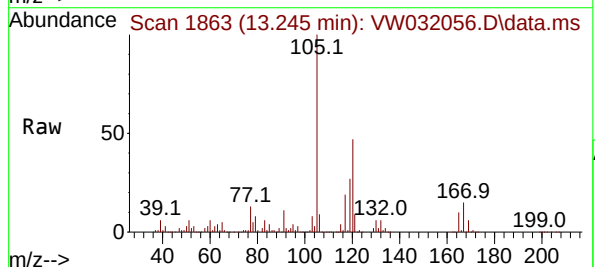
08/12/2025
Supervised By :Semsettin
Yesilyurt

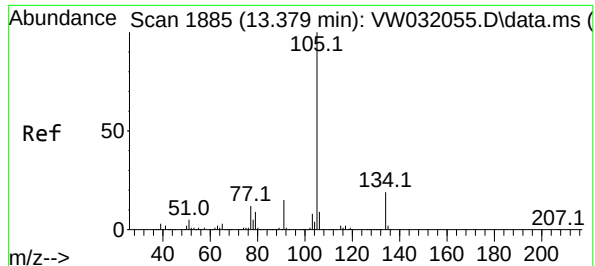
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#84
1,2,4-Trimethylbenzene
Concen: 99.778 ug/l
RT: 13.245 min Scan# 1863
Delta R.T. 0.000 min
Lab File: VW032056.D
Acq: 11 Aug 2025 10:46

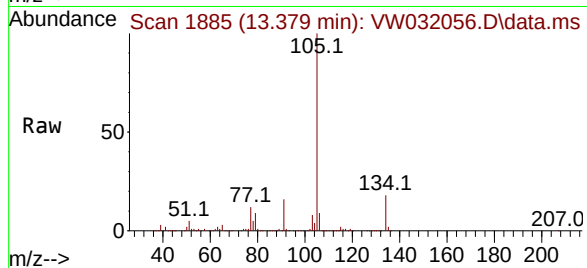
Tgt Ion:105 Resp: 1089327
Ion Ratio Lower Upper
105 100
120 45.7 21.6 64.8





#85
sec-Butylbenzene
Concen: 101.978 ug/l
RT: 13.379 min Scan# 1885
Delta R.T. 0.000 min
Lab File: VW032056.D
Acq: 11 Aug 2025 10:46

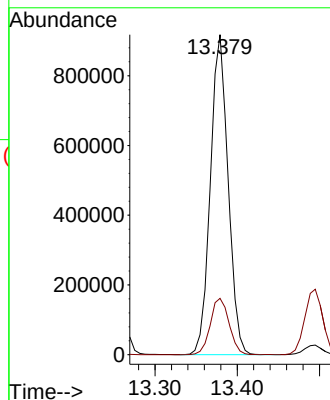
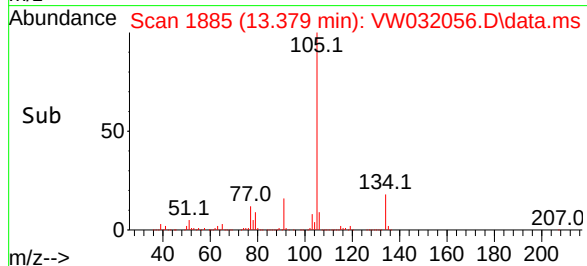
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100



Tgt Ion:105 Resp: 1372324
Ion Ratio Lower Upper
105 100
134 18.7 9.9 29.7

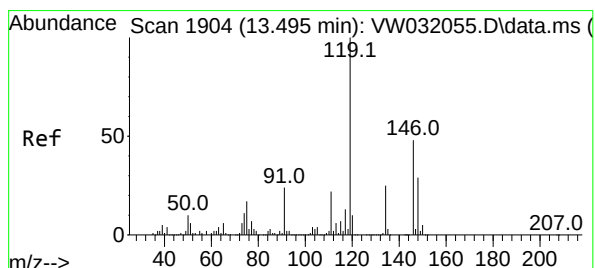
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Reviewed By :Mahesh
Dadoda

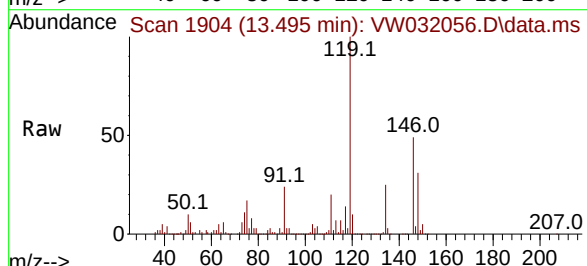


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Supervised By :Semsettin
Yesilyurt

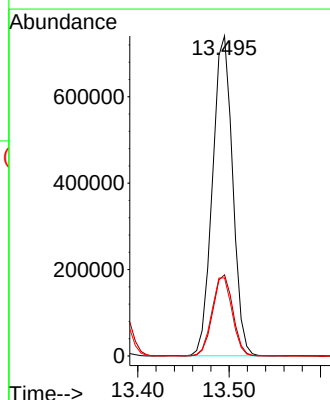
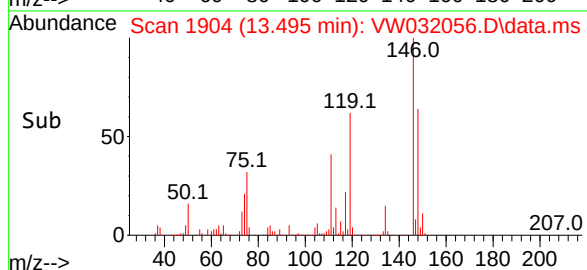
08/12/2025

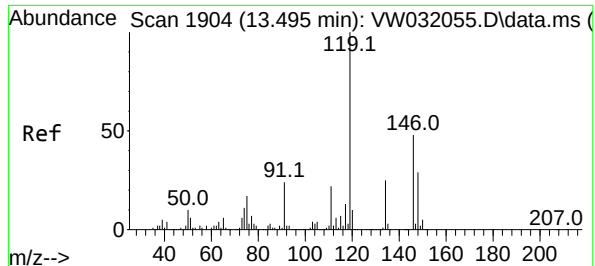


#86
p-Isopropyltoluene
Concen: 100.630 ug/l
RT: 13.495 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VW032056.D
Acq: 11 Aug 2025 10:46



Tgt Ion:119 Resp: 1128935
Ion Ratio Lower Upper
119 100
134 25.3 12.4 37.0
91 24.8 12.1 36.3





#87

1,3-Dichlorobenzene

Concen: 95.298 ug/l

RT: 13.495 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VW032056.D

Acq: 11 Aug 2025 10:46

Instrument :

MSVOA_W

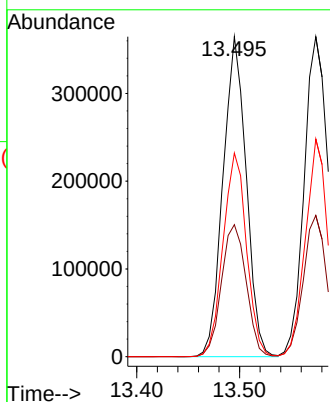
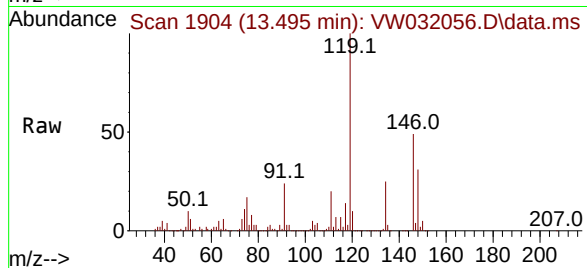
ClientSampleId :

VSTDIC100

Tgt Ion:	146	Resp:	57214
Ion Ratio	Lower	Upper	
146	100		
111	44.0	21.2	63.6
148	64.4	30.3	90.8

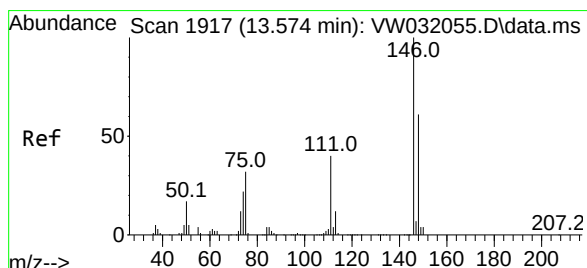
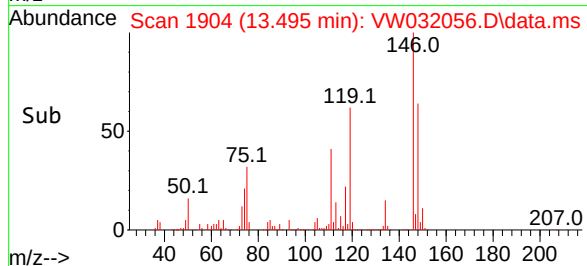
Manual Integrations
APPROVED

Reviewed By :Mahesh
Dadoda



08/12/2025
Supervised By :Semsettin
Yesilyurt

08/12/2025



#88

1,4-Dichlorobenzene

Concen: 96.819 ug/l

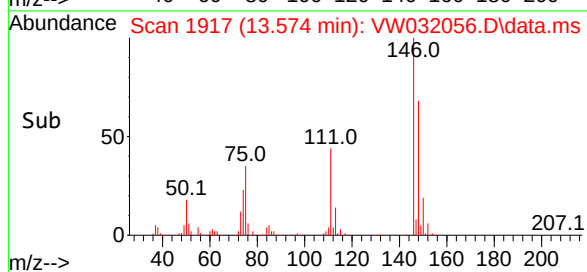
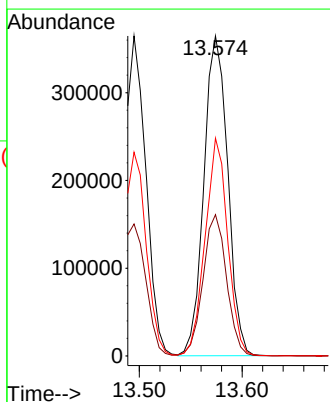
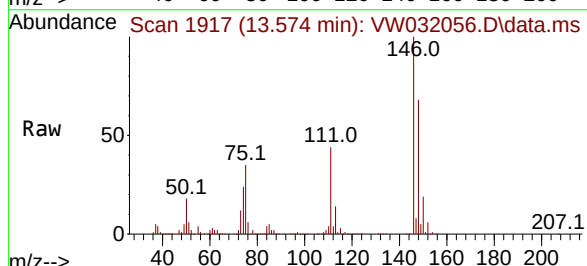
RT: 13.574 min Scan# 1917

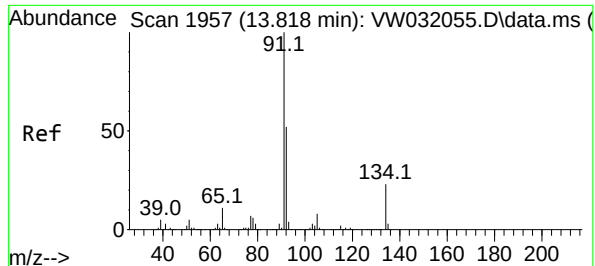
Delta R.T. -0.000 min

Lab File: VW032056.D

Acq: 11 Aug 2025 10:46

Tgt Ion:	146	Resp:	587417
Ion Ratio	Lower	Upper	
146	100		
111	43.7	21.6	64.6
148	64.3	32.0	96.2





#89

n-Butylbenzene

Concen: 101.235 ug/l

RT: 13.818 min Scan# 1957

Delta R.T. 0.000 min

Lab File: VW032056.D

Acq: 11 Aug 2025 10:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tgt Ion: 91 Resp: 110336

Ion Ratio Lower Upper

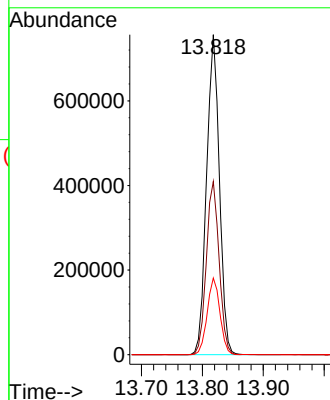
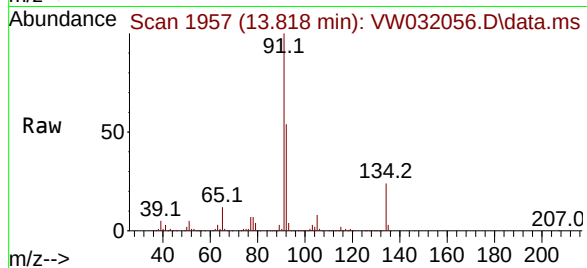
91 100

92 54.3 26.7 80.1

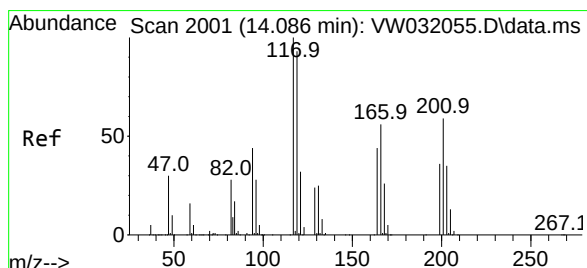
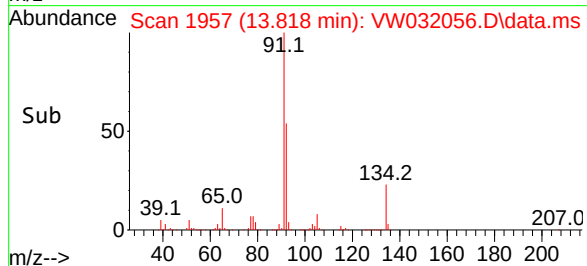
134 24.0 12.0 36.1

Manual Integrations

APPROVED

Reviewed By :Mahesh
Dadoda08/12/2025
Supervised By :Semsettin
Yesilyurt

08/12/2025



#90

Hexachloroethane

Concen: 99.832 ug/l

RT: 14.086 min Scan# 2001

Delta R.T. -0.000 min

Lab File: VW032056.D

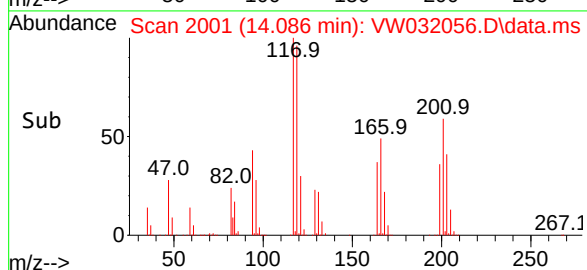
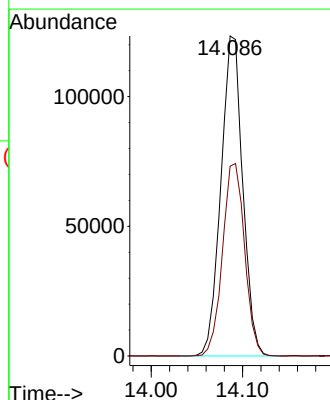
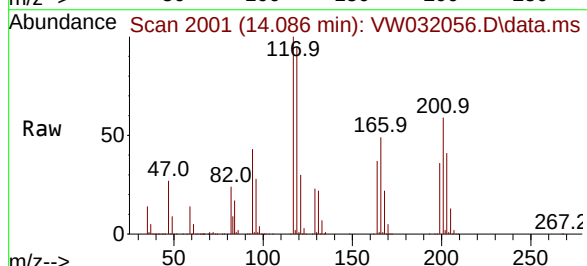
Acq: 11 Aug 2025 10:46

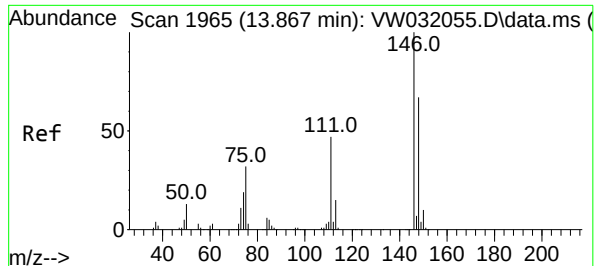
Tgt Ion:117 Resp: 204823

Ion Ratio Lower Upper

117 100

201 60.9 30.9 92.5





#91

1,2-Dichlorobenzene

Concen: 96.387 ug/l

RT: 13.867 min Scan# 1965

Delta R.T. 0.000 min

Lab File: VW032056.D

Acq: 11 Aug 2025 10:46

Instrument :

MSVOA_W

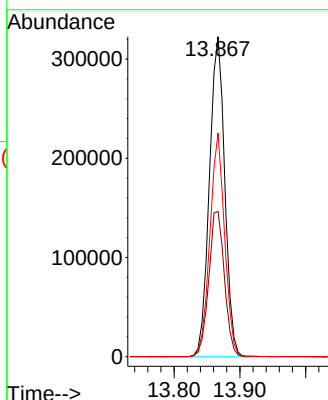
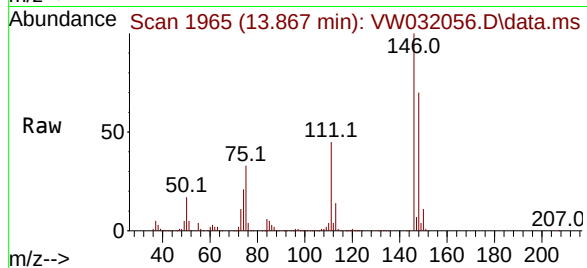
ClientSampleId :

VSTDIC100

Tgt Ion:	146	Resp:	524204
Ion Ratio	Lower	Upper	
146	100		
111	46.3	23.1	69.3
148	67.0	32.9	98.6

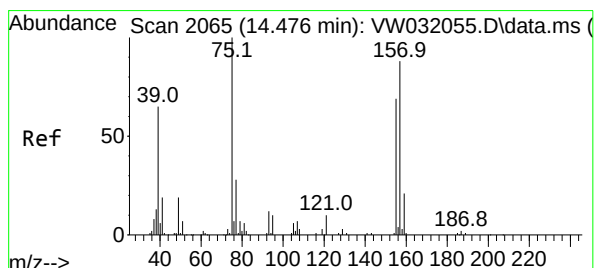
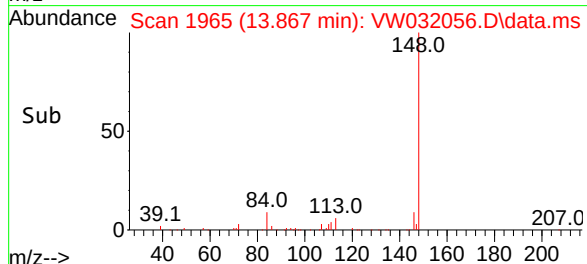
Manual Integrations
APPROVED

Reviewed By :Mahesh
Dadoda



08/12/2025
Supervised By :Semsettin
Yesilyurt

08/12/2025



#92

1,2-Dibromo-3-Chloropropane

Concen: 95.632 ug/l

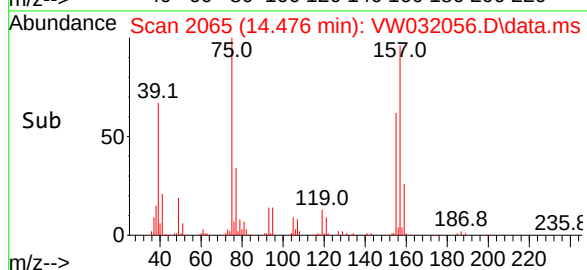
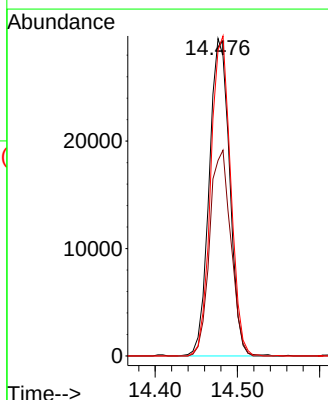
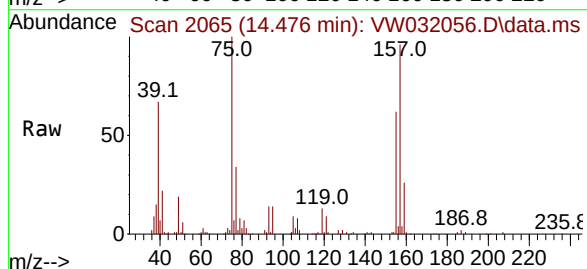
RT: 14.476 min Scan# 2065

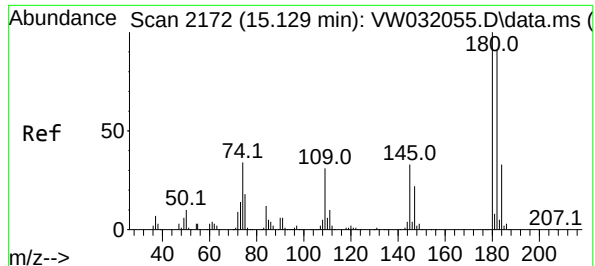
Delta R.T. 0.000 min

Lab File: VW032056.D

Acq: 11 Aug 2025 10:46

Tgt Ion:	75	Resp:	50993
Ion Ratio	Lower	Upper	
75	100		
155	67.2	35.2	105.6
157	97.8	47.5	142.6





#93

1,2,4-Trichlorobenzene

Concen: 104.094 ug/l

RT: 15.129 min Scan# 2172

Delta R.T. -0.000 min

Lab File: VW032056.D

Acq: 11 Aug 2025 10:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tgt Ion:180 Resp: 33866

Ion Ratio Lower Upper

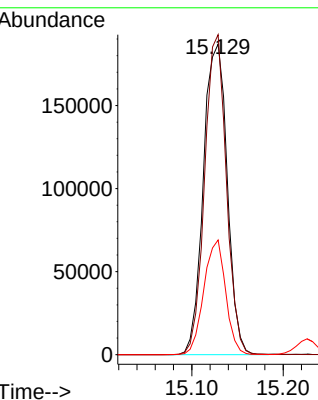
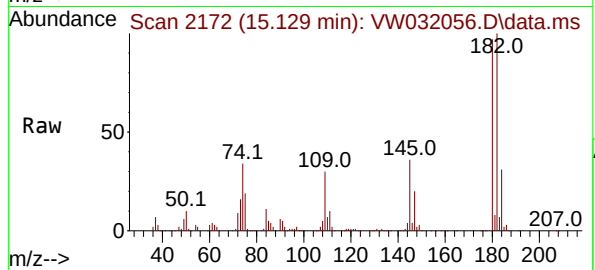
180 100

182 94.1 49.0 147.0

145 33.9 17.3 51.9

Manual Integrations

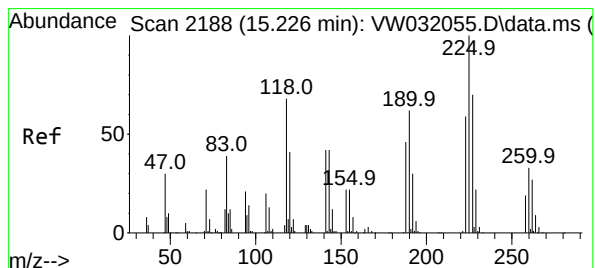
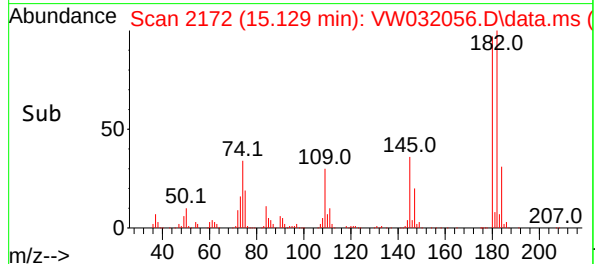
APPROVED

Reviewed By :Mahesh
Dadoda

08/12/2025

Supervised By :Semsettin
Yesilyurt

08/12/2025



#94

Hexachlorobutadiene

Concen: 95.189 ug/l

RT: 15.226 min Scan# 2188

Delta R.T. 0.000 min

Lab File: VW032056.D

Acq: 11 Aug 2025 10:46

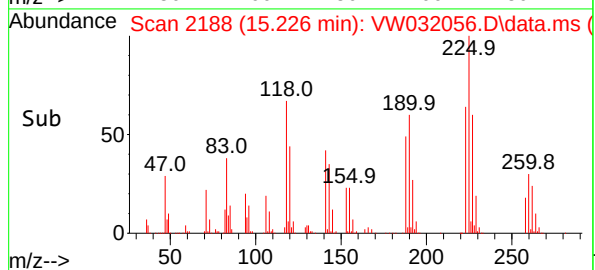
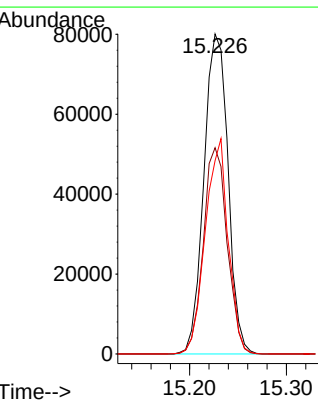
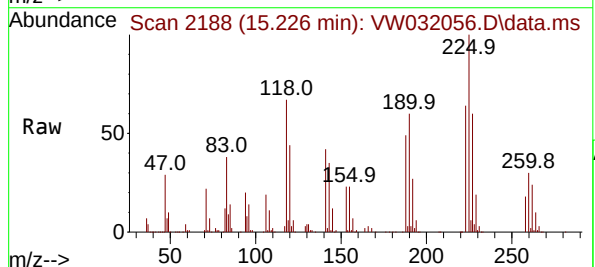
Tgt Ion:225 Resp: 138434

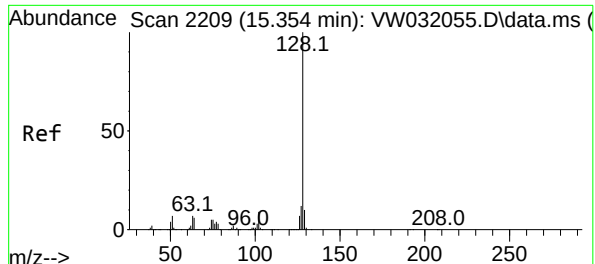
Ion Ratio Lower Upper

225 100

223 63.9 31.8 95.3

227 64.1 33.5 100.5





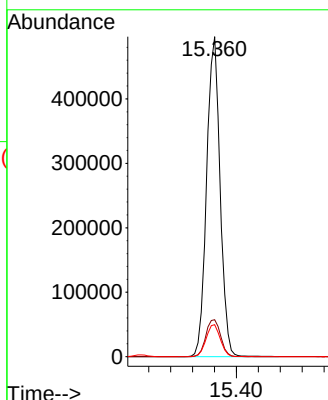
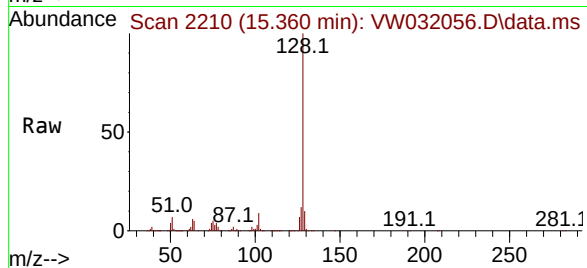
#95
Naphthalene
Concen: 105.533 ug/l
RT: 15.360 min Scan# 2210
Delta R.T. 0.006 min
Lab File: VW032056.D
Acq: 11 Aug 2025 10:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tgt Ion:128 Resp: 841290
Ion Ratio Lower Upper
128 100
127 12.7 10.5 15.7
129 10.6 8.2 12.4

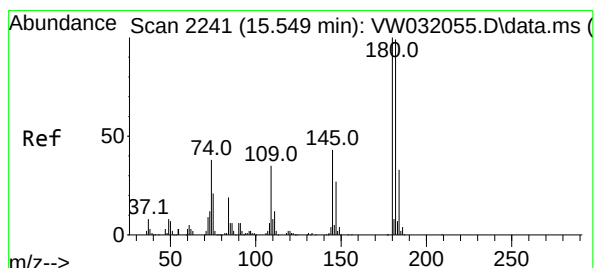
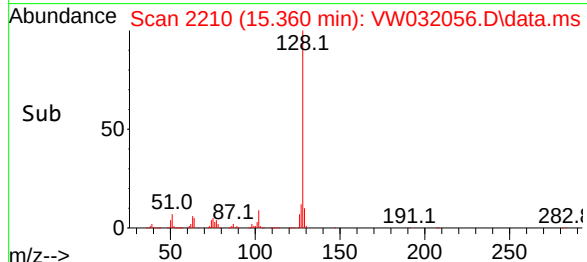
Manual Integrations
APPROVED

Reviewed By :Mahesh
Dadoda



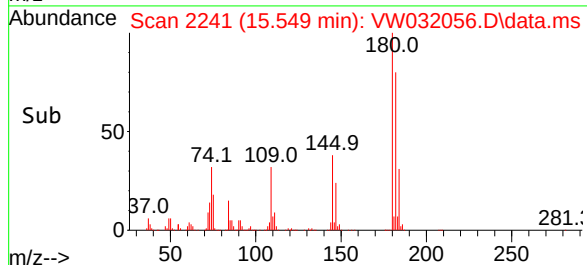
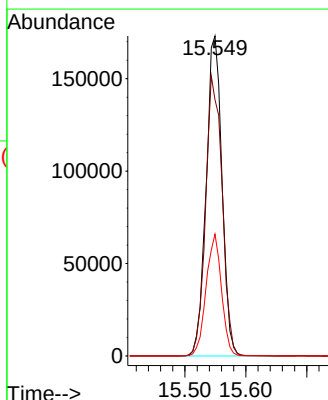
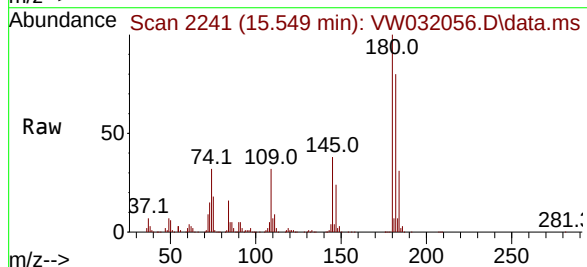
08/12/2025
Supervised By :Semsettin
Yesilyurt

08/12/2025



#96
1,2,3-Trichlorobenzene
Concen: 105.748 ug/l
RT: 15.549 min Scan# 2241
Delta R.T. -0.000 min
Lab File: VW032056.D
Acq: 11 Aug 2025 10:46

Tgt Ion:180 Resp: 313033
Ion Ratio Lower Upper
180 100
182 91.1 46.0 138.0
145 36.9 19.2 57.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081125\
 Data File : VW032057.D
 Acq On : 11 Aug 2025 11:08
 Operator : SY/MD
 Sample : VSTDICC150
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC150

Quant Time: Aug 12 03:40:18 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 12 03:34:13 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025
 Supervised By :Semsettin Yesilyurt 08/12/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.959	168	224613	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	422167	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	375277	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.550	152	172321	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	469688	144.584	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 289.160%#			
35) Dibromofluoromethane	7.898	113	393306	144.207	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 288.420%#			
50) Toluene-d8	10.331	98	1492050	147.908	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 295.820%#			
62) 4-Bromofluorobenzene	12.617	95	558308	150.185	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 300.380%#			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.046	85	218953	136.294	ug/l	100
3) Chloromethane	2.253	50	315772	145.923	ug/l	97
4) Vinyl Chloride	2.405	62	362119	138.343	ug/l	95
5) Bromomethane	2.808	94	271810	138.413	ug/l	98
6) Chloroethane	2.966	64	247890	143.117	ug/l	99
7) Trichlorofluoromethane	3.301	101	339384	161.851	ug/l	98
8) Diethyl Ether	3.722	74	254566	148.178	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.100	101	343759	138.957	ug/l	99
10) Methyl Iodide	4.301	142	514954	146.812	ug/l	100
11) Tert butyl alcohol	5.222	59	164147	780.336	ug/l	99
12) 1,1-Dichloroethene	4.076	96	388559	142.642	ug/l	94
13) Acrolein	3.929	56	224901	671.009	ug/l	98
14) Allyl chloride	4.704	41	600290	151.415	ug/l	99
15) Acrylonitrile	5.399	53	629942	769.843	ug/l	99
16) Acetone	4.161	43	528585	702.794	ug/l	100
17) Carbon Disulfide	4.423	76	1081188	147.872	ug/l	98
18) Methyl Acetate	4.710	43	371024	155.895	ug/l	99
19) Methyl tert-butyl Ether	5.466	73	719923	149.999	ug/l	100
20) Methylene Chloride	4.960	84	437275	125.744	ug/l	95
21) trans-1,2-Dichloroethene	5.454	96	427242	147.794	ug/l	96
22) Diisopropyl ether	6.344	45	1260898	150.866	ug/l	98
23) Vinyl Acetate	6.283	43	4356523	793.927	ug/l	99
24) 1,1-Dichloroethane	6.240	63	782153	146.472	ug/l	99
25) 2-Butanone	7.191	43	837991	783.936	ug/l	100
26) 2,2-Dichloropropane	7.185	77	393976	147.064	ug/l	100
27) cis-1,2-Dichloroethene	7.191	96	518413	153.420	ug/l	98
28) Bromochloromethane	7.532	49	356684	146.781	ug/l	99
29) Tetrahydrofuran	7.551	42	549203	779.054	ug/l	99
30) Chloroform	7.691	83	823850	145.528	ug/l	98
31) Cyclohexane	7.971	56	645762	139.490	ug/l	98
32) 1,1,1-Trichloroethane	7.886	97	591372	143.816	ug/l	98
36) 1,1-Dichloropropene	8.093	75	556189	144.659	ug/l	99
37) Ethyl Acetate	7.276	43	348970	154.109	ug/l	99
38) Carbon Tetrachloride	8.087	117	544688	146.799	ug/l	97
39) Methylcyclohexane	9.343	83	732413	156.286	ug/l	99
40) Benzene	8.337	78	1770706	148.159	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081125\
 Data File : VW032057.D
 Acq On : 11 Aug 2025 11:08
 Operator : SY/MD
 Sample : VSTDICC150
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC150

Quant Time: Aug 12 03:40:18 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 12 03:34:13 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025
 Supervised By :Semsettin Yesilyurt 08/12/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.502	41	205729	160.204	ug/l	97
42) 1,2-Dichloroethane	8.410	62	552184	144.388	ug/l	100
43) Isopropyl Acetate	8.435	43	665712	159.788	ug/l	100
44) Trichloroethene	9.099	130	424873	149.281	ug/l	93
45) 1,2-Dichloropropane	9.374	63	429280	148.679	ug/l	100
46) Dibromomethane	9.465	93	277058	148.678	ug/l	99
47) Bromodichloromethane	9.648	83	653476	152.185	ug/l	99
48) Methyl methacrylate	9.441	41	330511	164.326	ug/l	99
49) 1,4-Dioxane	9.459	88	79016	3279.484	ug/l #	83
51) 4-Methyl-2-Pentanone	10.215	43	1817273	772.800	ug/l	99
52) Toluene	10.392	92	1142813	151.812	ug/l	96
53) t-1,3-Dichloropropene	10.605	75	654765	162.760	ug/l	99
54) cis-1,3-Dichloropropene	10.075	75	716583	157.011	ug/l	98
55) 1,1,2-Trichloroethane	10.788	97	364680	147.271	ug/l	98
56) Ethyl methacrylate	10.648	69	553265	166.963	ug/l	99
57) 1,3-Dichloropropane	10.934	76	644418	149.298	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.928	63	1437682	784.377	ug/l	99
59) 2-Hexanone	10.971	43	1278917	785.288	ug/l	98
60) Dibromochloromethane	11.129	129	442362	156.387	ug/l	99
61) 1,2-Dibromoethane	11.239	107	363192	150.929	ug/l	96
64) Tetrachloroethene	10.867	164	326491	150.622	ug/l	94
65) Chlorobenzene	11.660	112	1230240	150.609	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.727	131	400167	157.017	ug/l	97
67) Ethyl Benzene	11.733	91	2162983	156.328	ug/l	97
68) m/p-Xylenes	11.837	106	1643338	307.801	ug/l	100
69) o-Xylene	12.166	106	786831	159.450	ug/l	99
70) Styrene	12.178	104	1406640	160.482	ug/l	97
71) Bromoform	12.349	173	238675	163.720	ug/l #	93
73) Isopropylbenzene	12.464	105	1977280	164.188	ug/l	99
74) N-amyl acetate	12.269	43	589285	170.556	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.708	83	449708	157.276	ug/l	100
76) 1,2,3-Trichloropropane	12.763	75	334775m	126.378	ug/l	
77) Bromobenzene	12.745	156	440559	153.167	ug/l	98
78) n-propylbenzene	12.800	91	2346333	158.253	ug/l	99
79) 2-Chlorotoluene	12.891	91	1434986	156.820	ug/l	99
80) 1,3,5-Trimethylbenzene	12.940	105	1639597	160.368	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.507	75	157641	174.499	ug/l	96
82) 4-Chlorotoluene	12.983	91	1515300	155.863	ug/l	98
83) tert-Butylbenzene	13.202	119	1383127	163.006	ug/l	98
84) 1,2,4-Trimethylbenzene	13.245	105	1646381	158.189	ug/l	100
85) sec-Butylbenzene	13.379	105	2047763	159.625	ug/l	99
86) p-Isopropyltoluene	13.495	119	1712519	160.127	ug/l	100
87) 1,3-Dichlorobenzene	13.495	146	867827	151.629	ug/l	97
88) 1,4-Dichlorobenzene	13.574	146	851057	147.144	ug/l	99
89) n-Butylbenzene	13.818	91	1657492	159.527	ug/l	98
90) Hexachloroethane	14.086	117	322461	164.868	ug/l	98
91) 1,2-Dichlorobenzene	13.867	146	798257	153.968	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.476	75	81063	159.472	ug/l	94
93) 1,2,4-Trichlorobenzene	15.123	180	499355	161.006	ug/l	98
94) Hexachlorobutadiene	15.226	225	218963	157.938	ug/l	97
95) Naphthalene	15.360	128	1348344	177.424	ug/l	99
96) 1,2,3-Trichlorobenzene	15.543	180	466811	165.423	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081125\
Data File : VW032057.D
Acq On : 11 Aug 2025 11:08
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025

Quant Time: Aug 12 03:40:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 12 03:34:13 2025
Response via : Initial Calibration

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

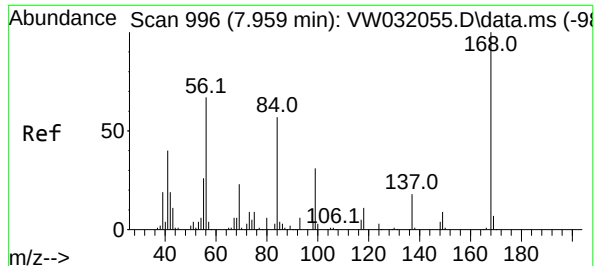
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

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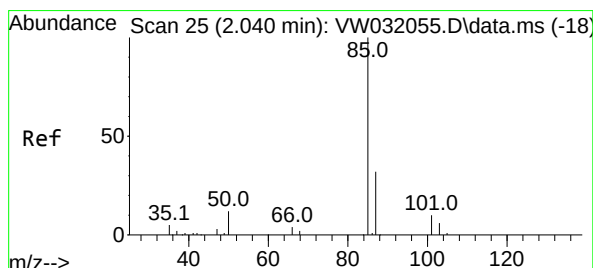
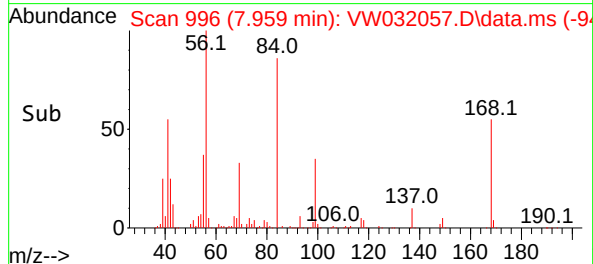
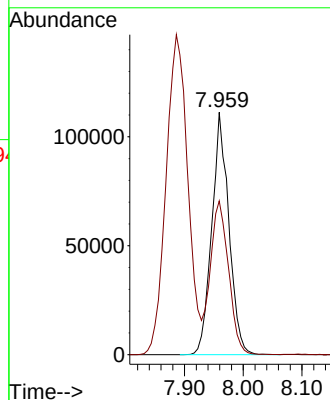
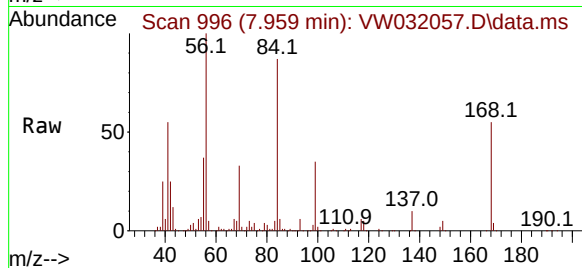
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 996
Delta R.T. 0.000 min
Lab File: VW032057.D
Acq: 11 Aug 2025 11:08

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Tgt Ion:168 Resp: 22461
Ion Ratio Lower Upper
168 100
99 63.4 56.0 84.0

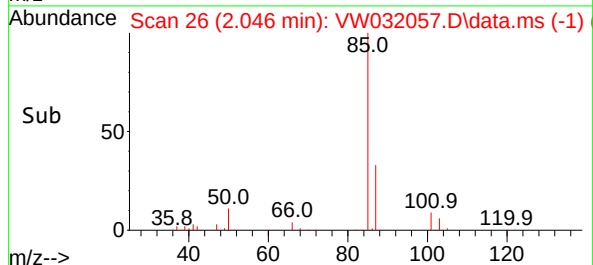
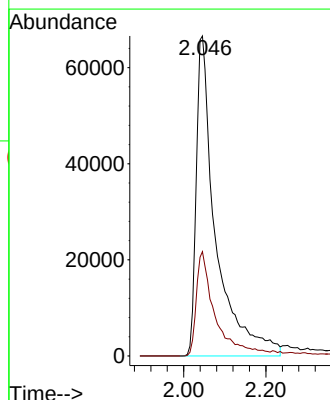
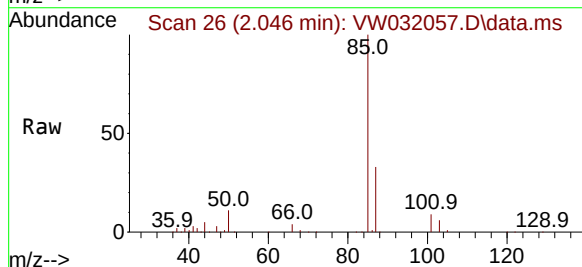
Manual Integrations
APPROVED

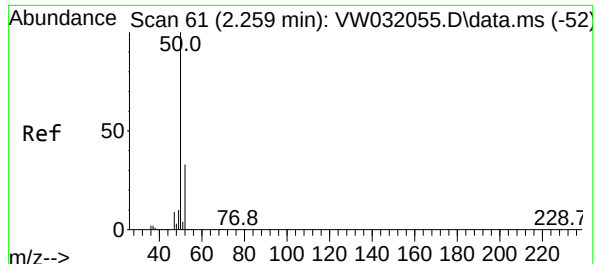
Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025



#2
Dichlorodifluoromethane
Concen: 136.294 ug/l
RT: 2.046 min Scan# 26
Delta R.T. 0.006 min
Lab File: VW032057.D
Acq: 11 Aug 2025 11:08

Tgt Ion: 85 Resp: 218953
Ion Ratio Lower Upper
85 100
87 32.6 16.2 48.6





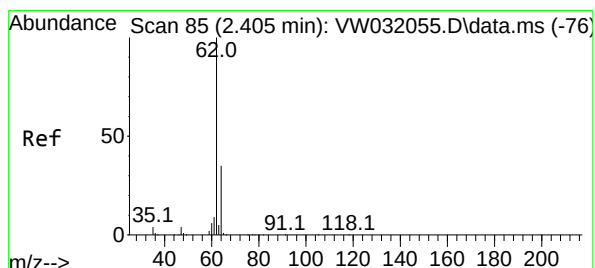
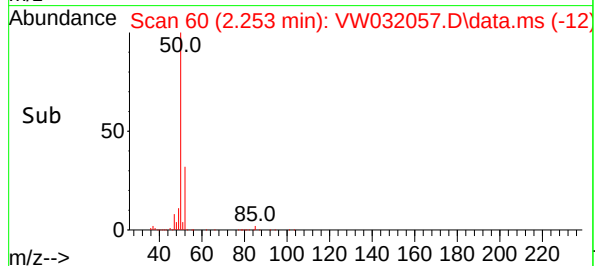
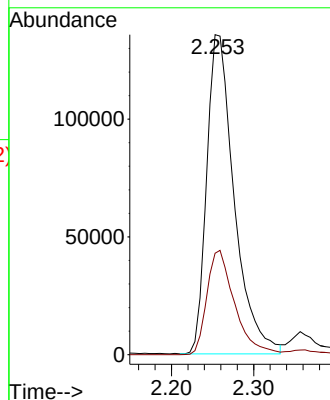
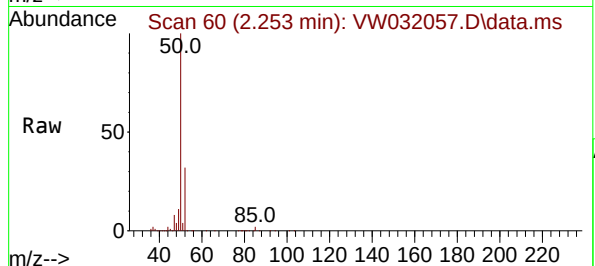
#3
Chloromethane
Concen: 145.923 ug/l
RT: 2.253 min Scan# 60
Delta R.T. -0.006 min
Lab File: VW032057.D
Acq: 11 Aug 2025 11:08

Instrument :
MSVOA_W
Client Sample Id :
VSTDICC150

Tgt Ion: 50 Resp: 315772
Ion Ratio Lower Upper
50 100
52 31.8 26.6 39.8

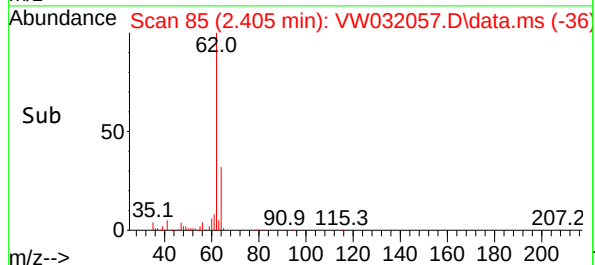
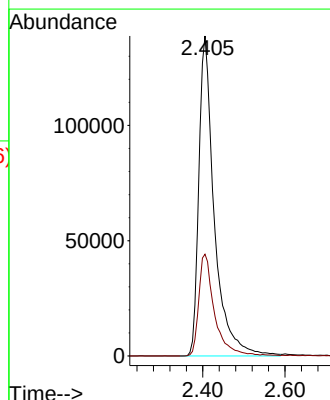
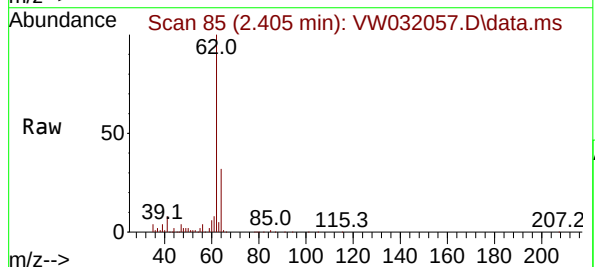
Manual Integrations
APPROVED

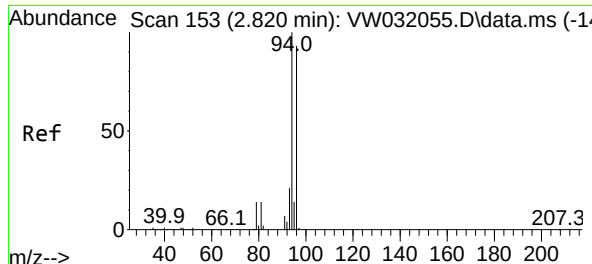
Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025



#4
Vinyl Chloride
Concen: 138.343 ug/l
RT: 2.405 min Scan# 85
Delta R.T. -0.000 min
Lab File: VW032057.D
Acq: 11 Aug 2025 11:08

Tgt Ion: 62 Resp: 362119
Ion Ratio Lower Upper
62 100
64 31.8 27.8 41.6





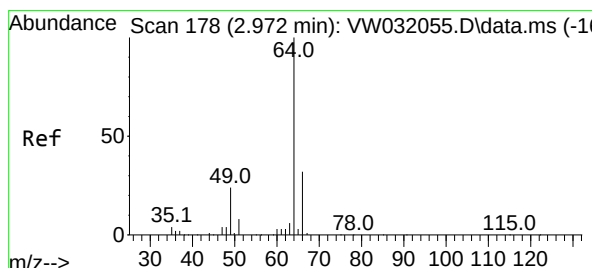
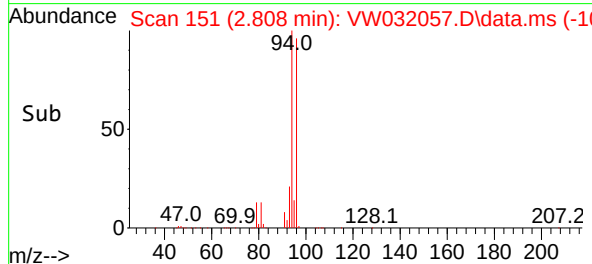
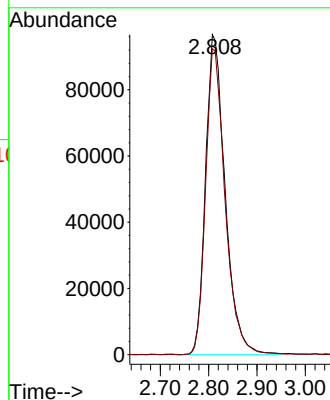
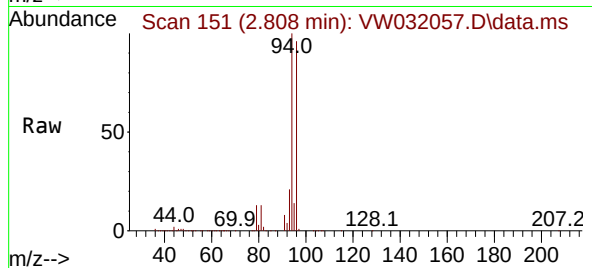
#5
Bromomethane
Concen: 138.413 ug/l
RT: 2.808 min Scan# 151
Delta R.T. -0.012 min
Lab File: VW032057.D
Acq: 11 Aug 2025 11:08

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Tgt Ion: 94 Resp: 271810
Ion Ratio Lower Upper
94 100
96 95.6 74.7 112.1

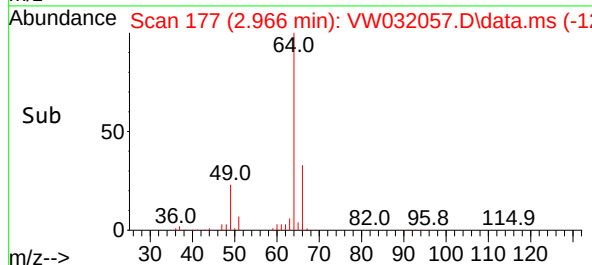
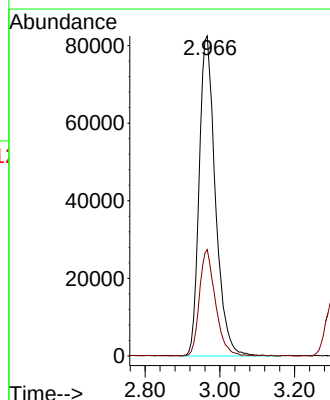
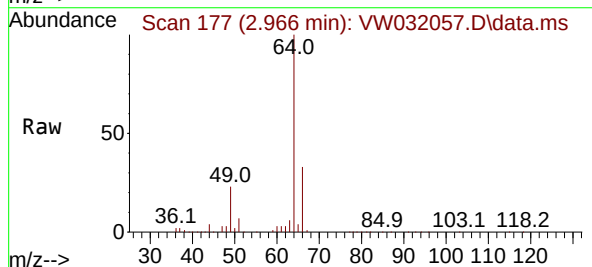
Manual Integrations
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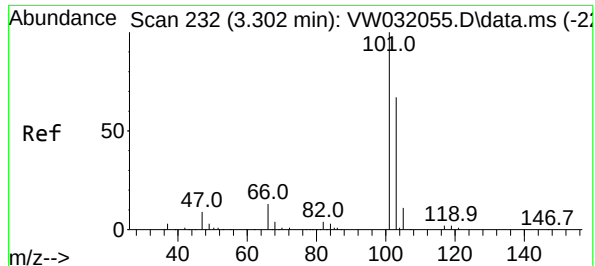
Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025



#6
Chloroethane
Concen: 143.117 ug/l
RT: 2.966 min Scan# 177
Delta R.T. -0.006 min
Lab File: VW032057.D
Acq: 11 Aug 2025 11:08

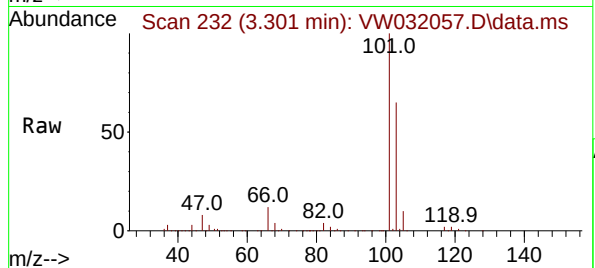
Tgt Ion: 64 Resp: 247890
Ion Ratio Lower Upper
64 100
66 33.2 26.0 39.0





#7
Trichlorofluoromethane
Concen: 161.851 ug/l
RT: 3.301 min Scan# 21
Delta R.T. -0.000 min
Lab File: VW032057.D
Acq: 11 Aug 2025 11:08

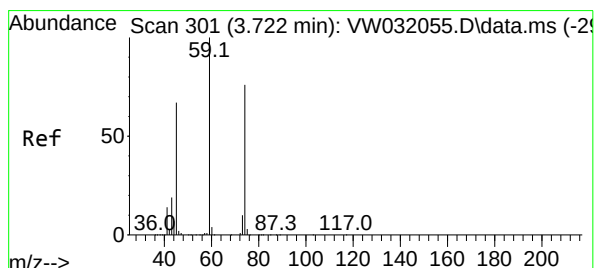
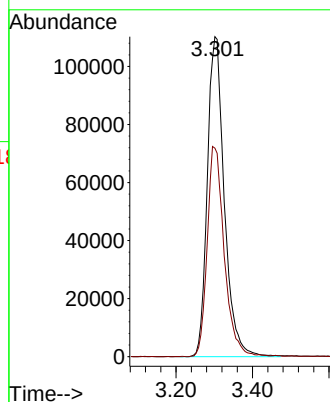
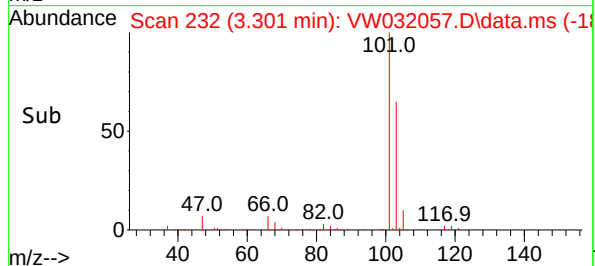
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150



Tgt Ion: 101 Resp: 339384
Ion Ratio Lower Upper
101 100
103 65.1 53.4 80.0

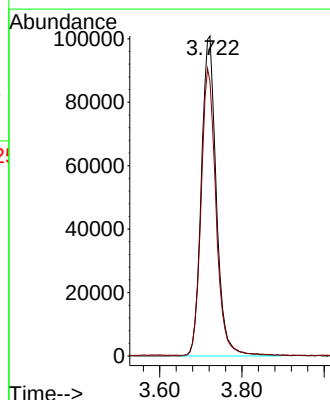
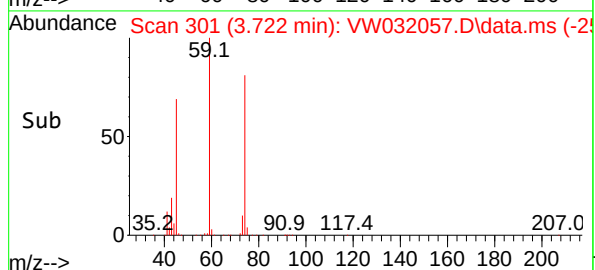
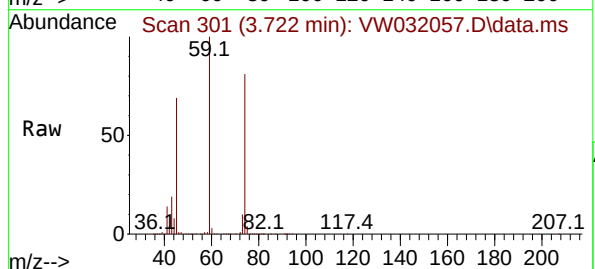
Manual Integrations
APPROVED

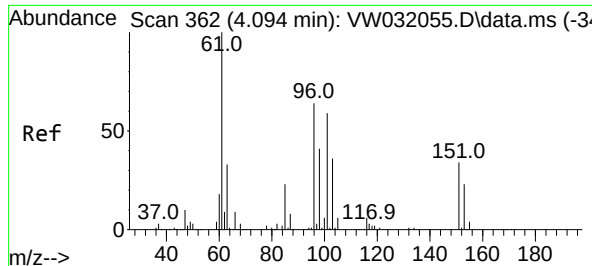
Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025



#8
Diethyl Ether
Concen: 148.178 ug/l
RT: 3.722 min Scan# 301
Delta R.T. -0.000 min
Lab File: VW032057.D
Acq: 11 Aug 2025 11:08

Tgt Ion: 74 Resp: 254566
Ion Ratio Lower Upper
74 100
45 89.1 45.4 136.2





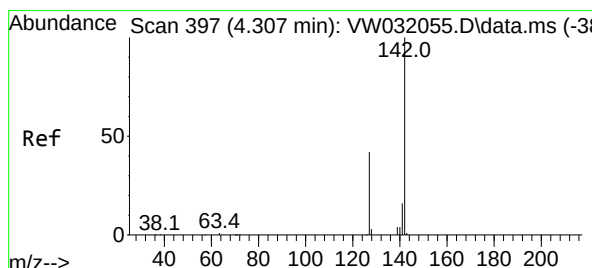
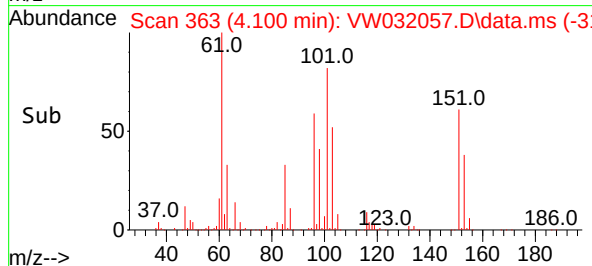
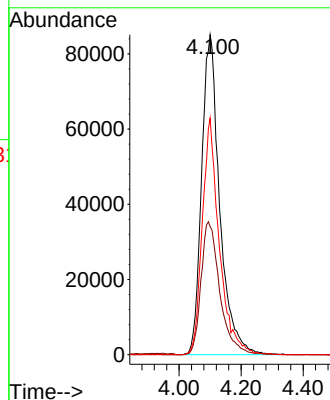
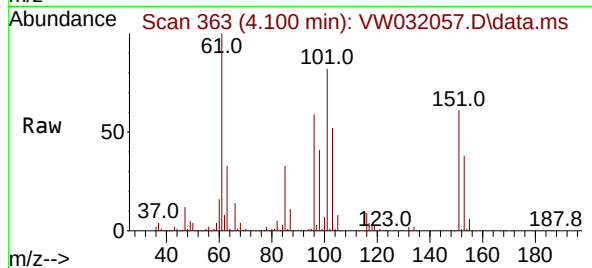
#9
1,1,2-Trichlorotrifluoroethane
Concen: 138.957 ug/l
RT: 4.100 min Scan# 363
Delta R.T. 0.006 min
Lab File: VW032057.D
Acq: 11 Aug 2025 11:08

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Tgt Ion:101 Resp: 34375
Ion Ratio Lower Upper
101 100
85 43.2 34.9 52.3
151 69.6 56.2 84.4

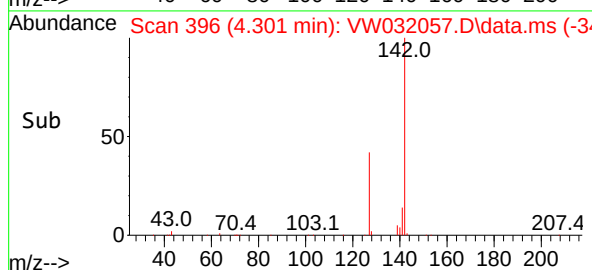
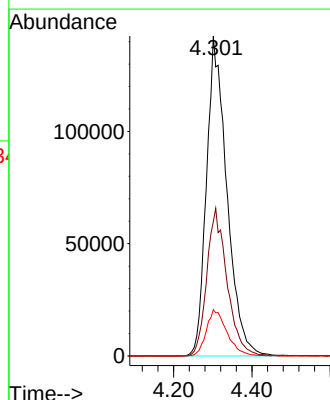
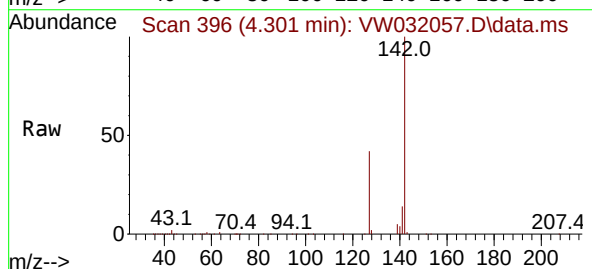
Manual Integrations
APPROVED

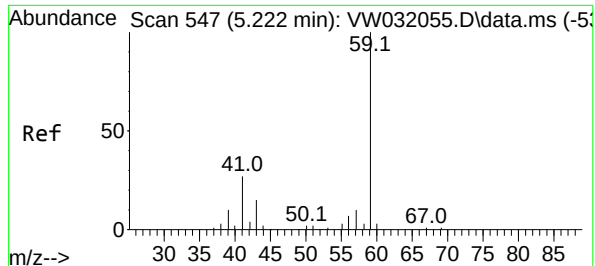
Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025



#10
Methyl Iodide
Concen: 146.812 ug/l
RT: 4.301 min Scan# 396
Delta R.T. -0.006 min
Lab File: VW032057.D
Acq: 11 Aug 2025 11:08

Tgt Ion:142 Resp: 514954
Ion Ratio Lower Upper
142 100
127 45.7 36.6 55.0
141 14.7 12.1 18.1





#11

Tert butyl alcohol

Concen: 780.336 ug/l

RT: 5.222 min Scan# 547

Delta R.T. -0.000 min

Lab File: VW032057.D

Acq: 11 Aug 2025 11:08

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC150

Tgt Ion: 59 Resp: 16414

Ion Ratio Lower Upper

59 100

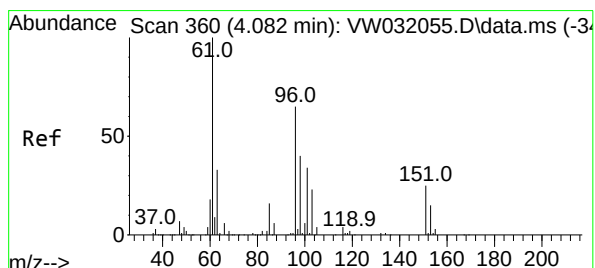
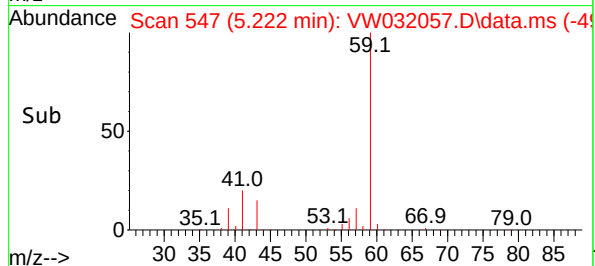
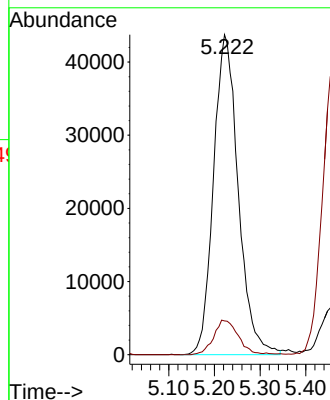
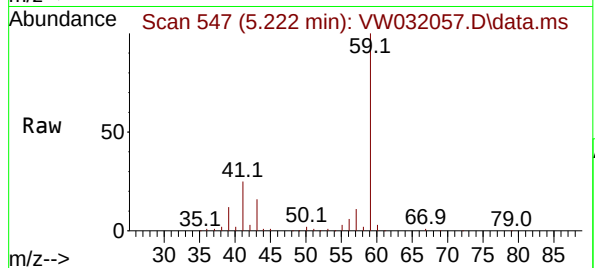
57 10.7 8.7 13.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025

Supervised By :Semsettin Yesilyurt 08/12/2025



#12

1,1-Dichloroethene

Concen: 142.642 ug/l

RT: 4.076 min Scan# 359

Delta R.T. -0.006 min

Lab File: VW032057.D

Acq: 11 Aug 2025 11:08

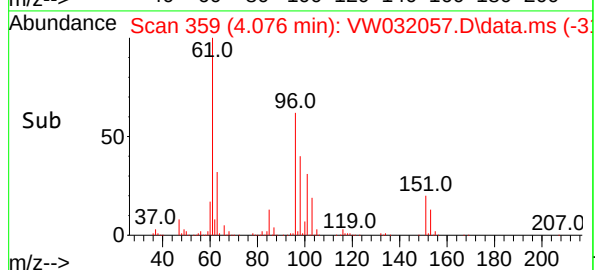
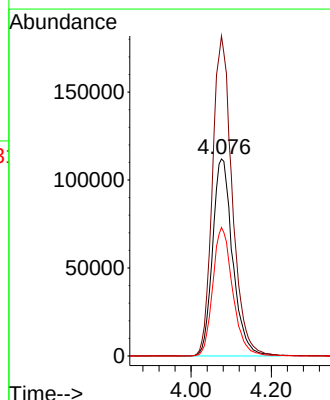
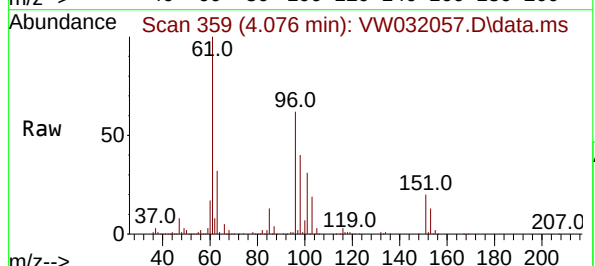
Tgt Ion: 96 Resp: 388559

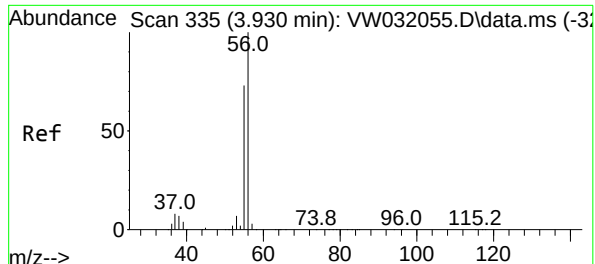
Ion Ratio Lower Upper

96 100

61 162.4 123.4 185.2

98 65.3 49.5 74.3





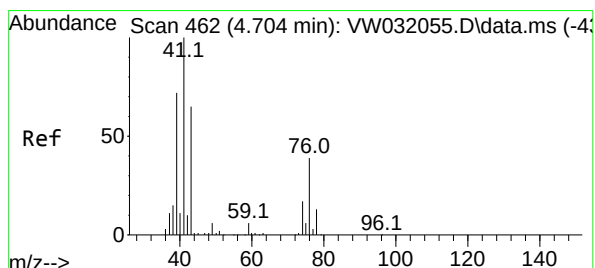
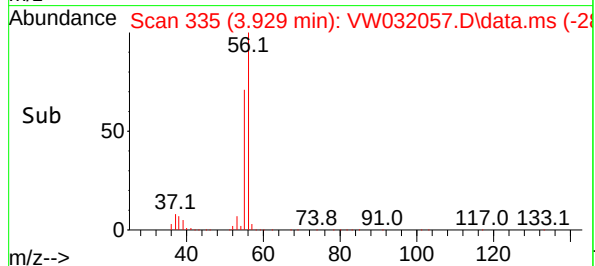
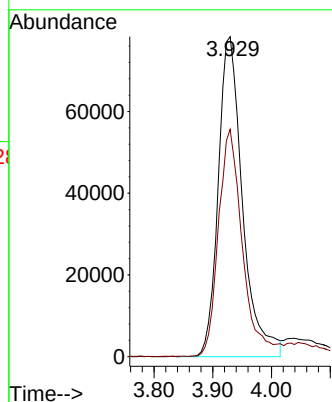
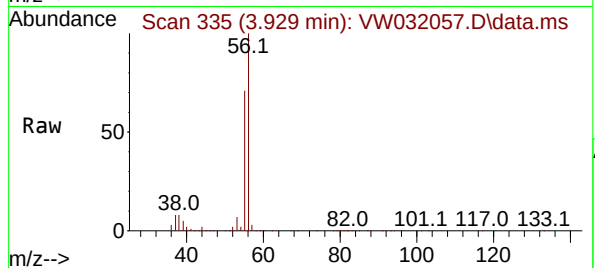
#13
Acrolein
Concen: 671.009 ug/l
RT: 3.929 min Scan# 31
Delta R.T. -0.000 min
Lab File: VW032057.D
Acq: 11 Aug 2025 11:08

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Tgt Ion: 56 Resp: 22490
Ion Ratio Lower Upper
56 100
55 70.6 55.4 83.2

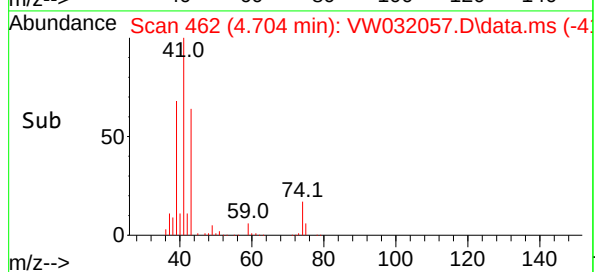
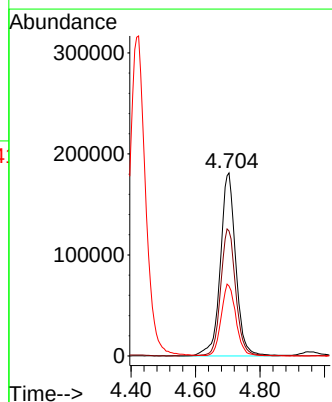
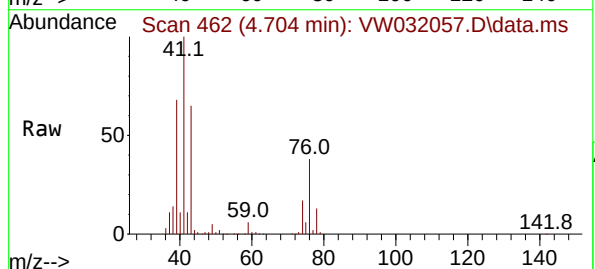
Manual Integrations
APPROVED

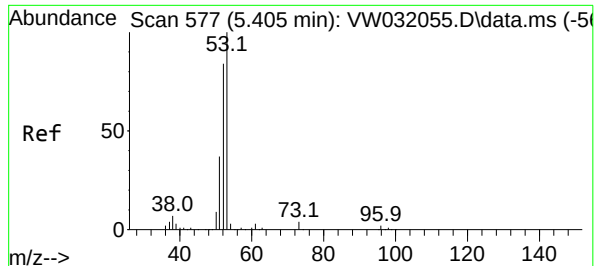
Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025



#14
Allyl chloride
Concen: 151.415 ug/l
RT: 4.704 min Scan# 462
Delta R.T. -0.000 min
Lab File: VW032057.D
Acq: 11 Aug 2025 11:08

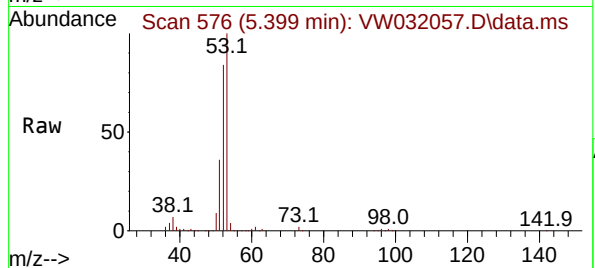
Tgt Ion: 41 Resp: 600290
Ion Ratio Lower Upper
41 100
39 67.6 54.5 81.7
76 37.6 29.3 43.9





#15
Acrylonitrile
Concen: 769.843 ug/l
RT: 5.399 min Scan# 51
Delta R.T. -0.006 min
Lab File: VW032057.D
Acq: 11 Aug 2025 11:08

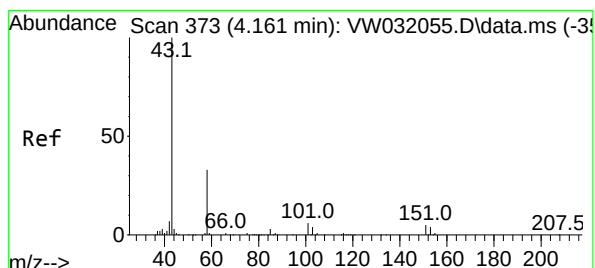
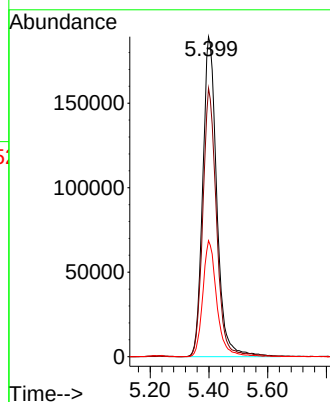
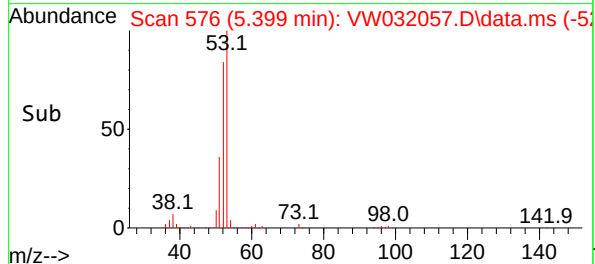
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150



Tgt Ion: 53 Resp: 62994
Ion Ratio Lower Upper
53 100
52 81.7 66.1 99.1
51 36.1 29.2 43.8

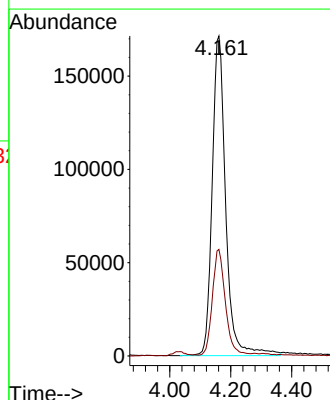
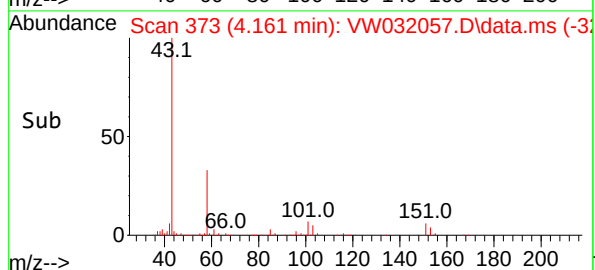
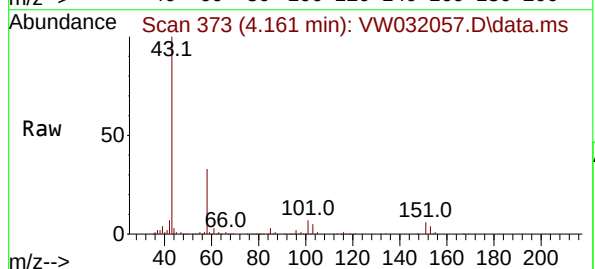
Manual Integrations
APPROVED

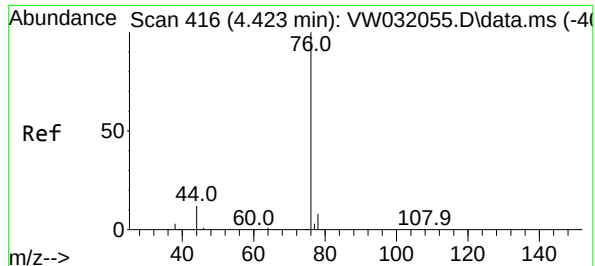
Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025



#16
Acetone
Concen: 702.794 ug/l
RT: 4.161 min Scan# 373
Delta R.T. -0.000 min
Lab File: VW032057.D
Acq: 11 Aug 2025 11:08

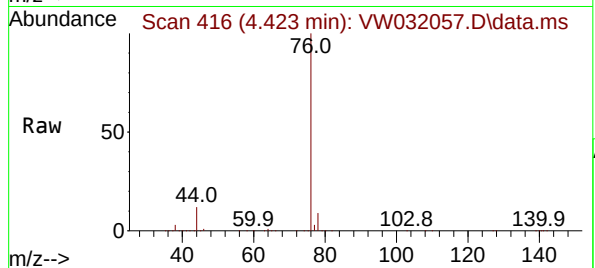
Tgt Ion: 43 Resp: 528585
Ion Ratio Lower Upper
43 100
58 32.9 26.6 39.8





#17
Carbon Disulfide
Concen: 147.872 ug/l
RT: 4.423 min Scan# 416
Delta R.T. -0.000 min
Lab File: VW032057.D
Acq: 11 Aug 2025 11:08

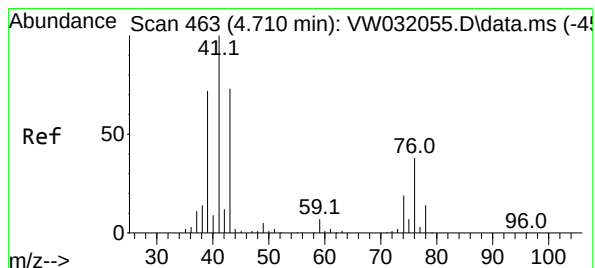
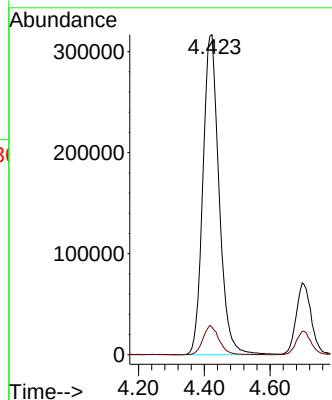
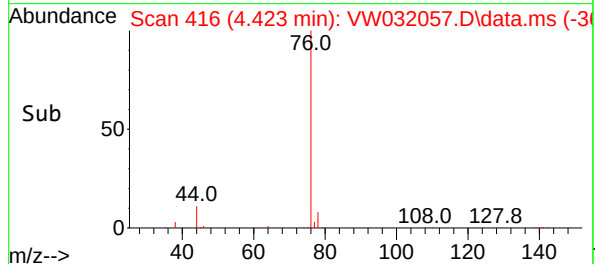
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150



Tgt Ion: 76 Resp: 108118
Ion Ratio Lower Upper
76 100
78 8.5 6.4 9.6

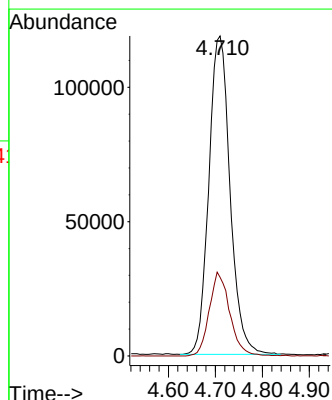
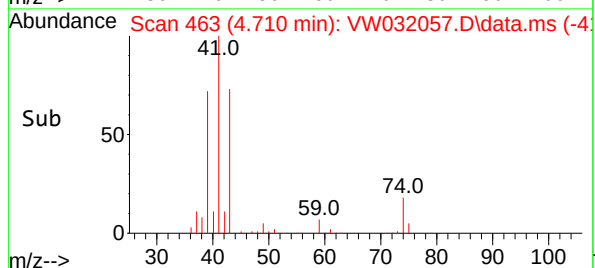
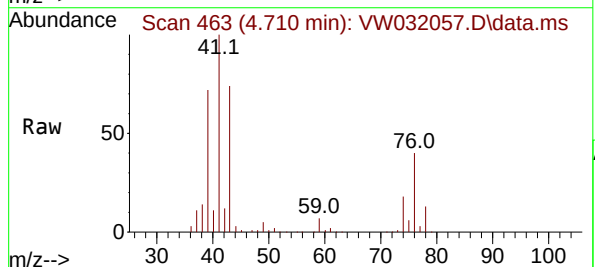
Manual Integrations
APPROVED

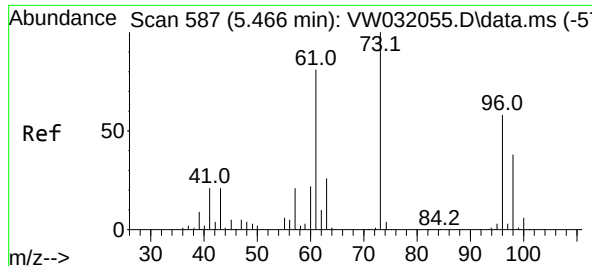
Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025



#18
Methyl Acetate
Concen: 155.895 ug/l
RT: 4.710 min Scan# 463
Delta R.T. -0.000 min
Lab File: VW032057.D
Acq: 11 Aug 2025 11:08

Tgt Ion: 43 Resp: 371024
Ion Ratio Lower Upper
43 100
74 25.4 20.6 31.0





#19

Methyl tert-butyl Ether

Concen: 149.999 ug/l

RT: 5.466 min Scan# 504

Delta R.T. -0.000 min

Lab File: VW032057.D

Acq: 11 Aug 2025 11:08

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC150

Tgt Ion: 73 Resp: 71992

Ion Ratio Lower Upper

73 100

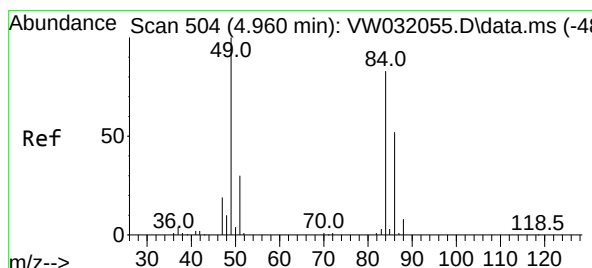
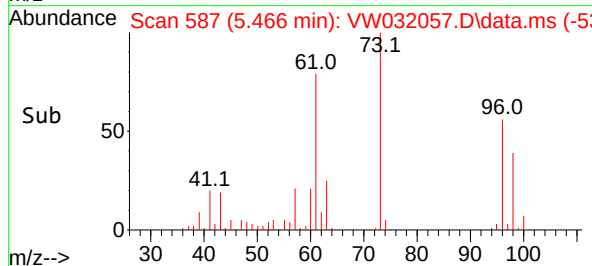
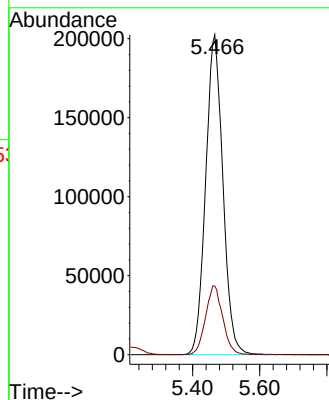
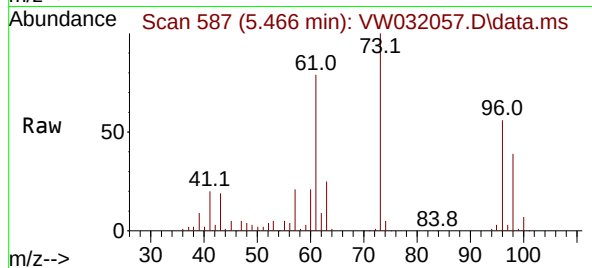
57 21.4 17.2 25.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025

Supervised By :Semsettin Yesilyurt 08/12/2025



#20

Methylene Chloride

Concen: 125.744 ug/l

RT: 4.960 min Scan# 504

Delta R.T. -0.000 min

Lab File: VW032057.D

Acq: 11 Aug 2025 11:08

Tgt Ion: 84 Resp: 437275

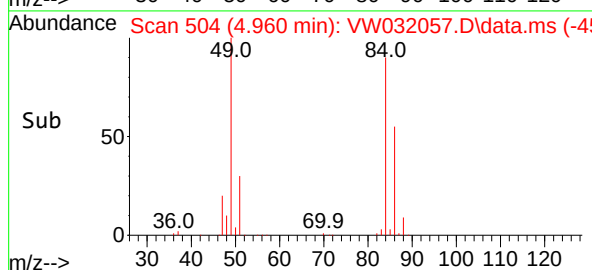
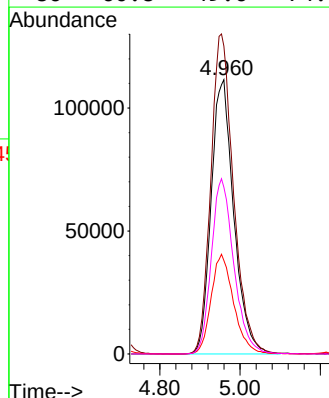
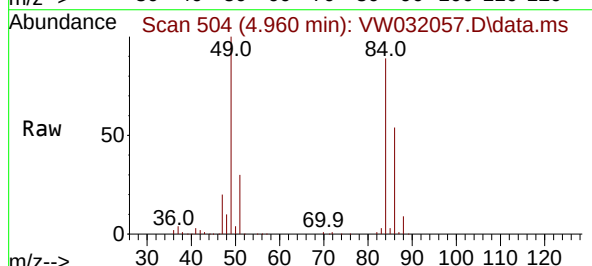
Ion Ratio Lower Upper

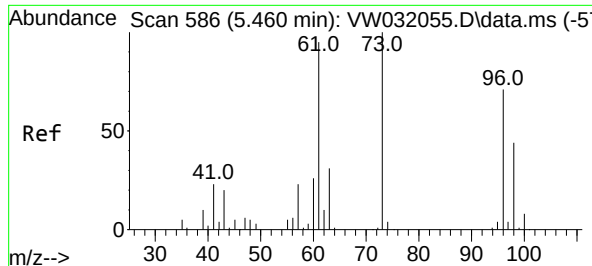
84 100

49 112.3 95.9 143.9

51 34.1 28.6 43.0

86 60.8 49.6 74.4





#21

trans-1,2-Dichloroethene

Concen: 147.794 ug/l

RT: 5.454 min Scan# 586

Delta R.T. -0.006 min

Lab File: VW032057.D

Acq: 11 Aug 2025 11:08

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tgt Ion: 96 Resp: 42724

Ion Ratio Lower Upper

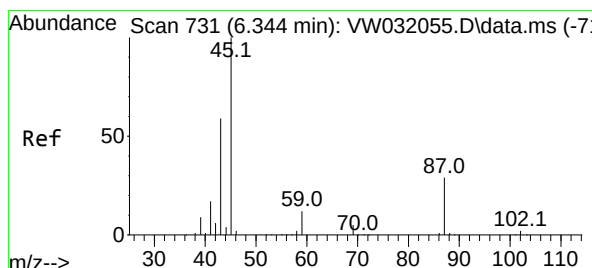
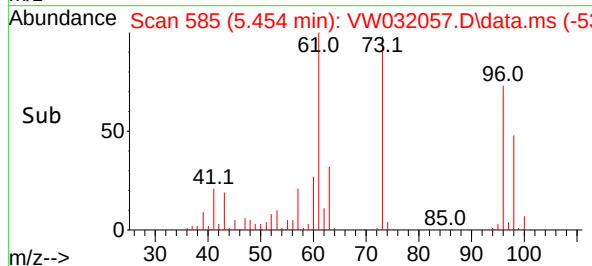
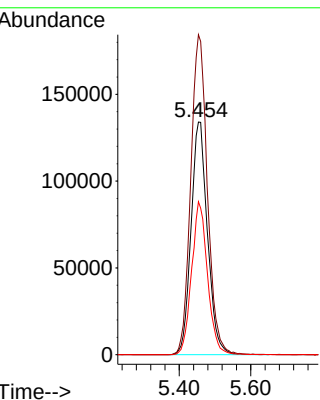
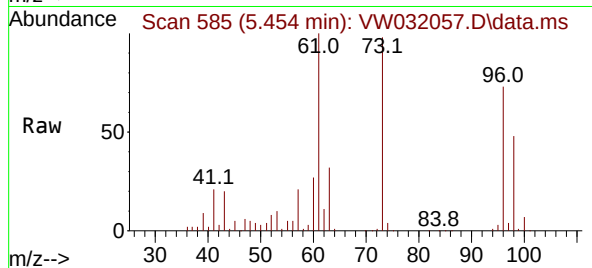
96 100

61 137.5 106.8 160.2

98 65.7 49.6 74.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025

#22

Diisopropyl ether

Concen: 150.866 ug/l

RT: 6.344 min Scan# 731

Delta R.T. -0.000 min

Lab File: VW032057.D

Acq: 11 Aug 2025 11:08

Tgt Ion: 45 Resp: 1260898

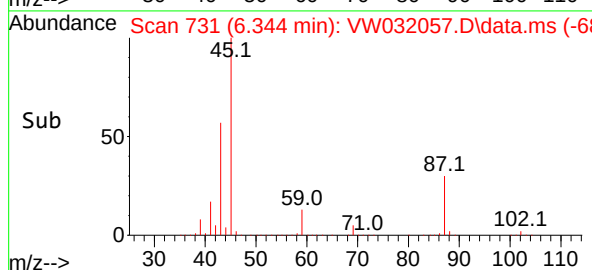
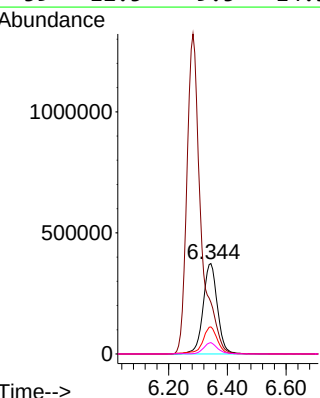
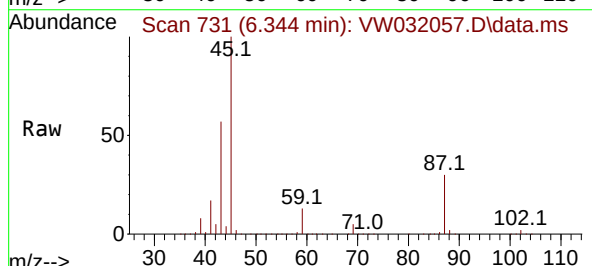
Ion Ratio Lower Upper

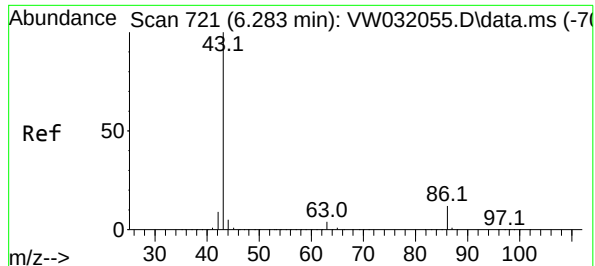
45 100

43 57.1 47.0 70.4

87 30.0 23.8 35.8

59 12.5 9.5 14.3





#23

Vinyl Acetate

Concen: 793.927 ug/l

RT: 6.283 min Scan# 714

Delta R.T. -0.000 min

Lab File: VW032057.D

Acq: 11 Aug 2025 11:08

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC150

Tgt Ion: 43 Resp: 435652

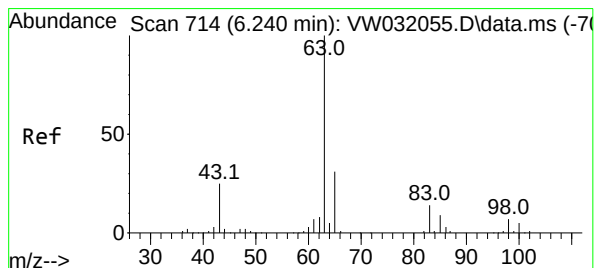
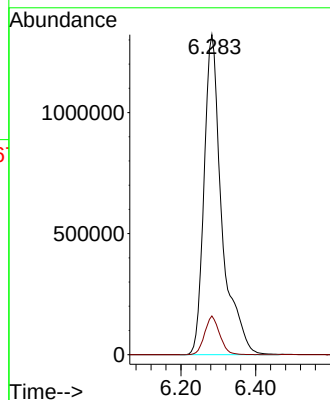
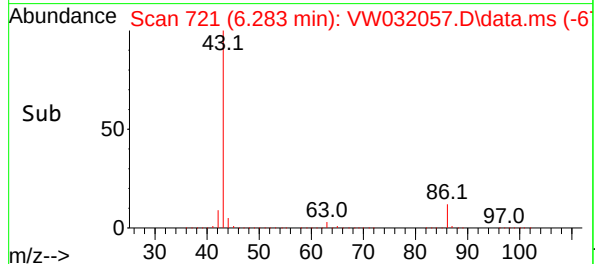
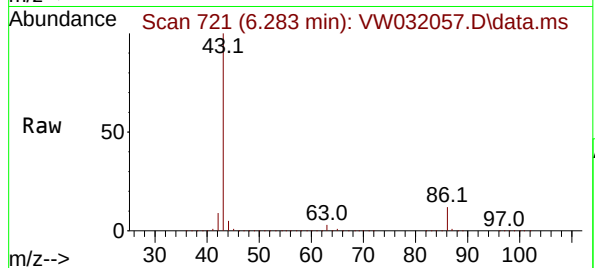
Ion Ratio Lower Upper

43 100

86 12.1 9.4 14.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025

#24

1,1-Dichloroethane

Concen: 146.472 ug/l

RT: 6.240 min Scan# 714

Delta R.T. -0.000 min

Lab File: VW032057.D

Acq: 11 Aug 2025 11:08

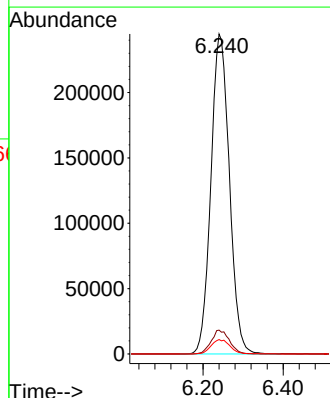
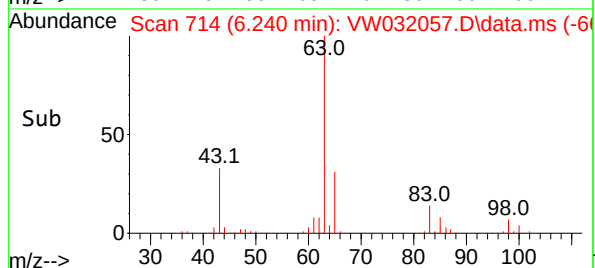
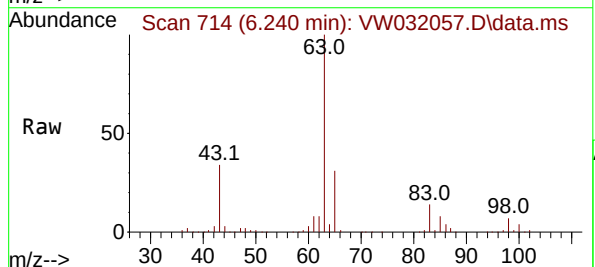
Tgt Ion: 63 Resp: 782153

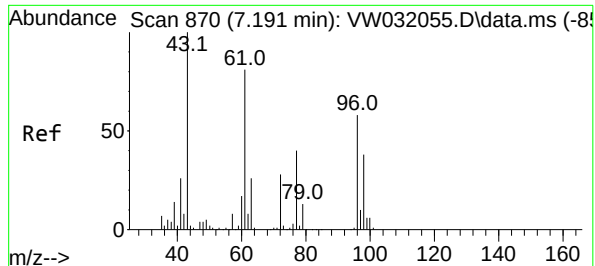
Ion Ratio Lower Upper

63 100

98 7.5 3.7 11.1

100 4.5 2.5 7.4





#25

2-Butanone

Concen: 783.936 ug/l

RT: 7.191 min Scan# 81

Delta R.T. -0.000 min

Lab File: VW032057.D

Acq: 11 Aug 2025 11:08

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tgt Ion: 43 Resp: 83799

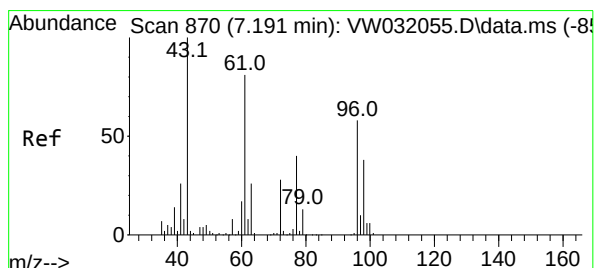
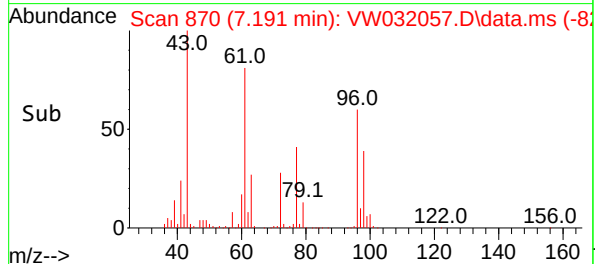
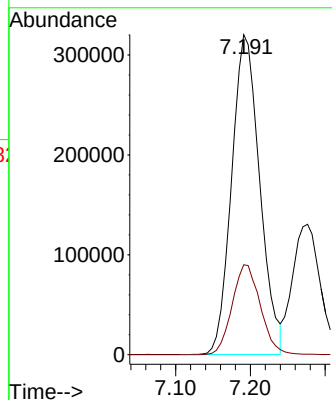
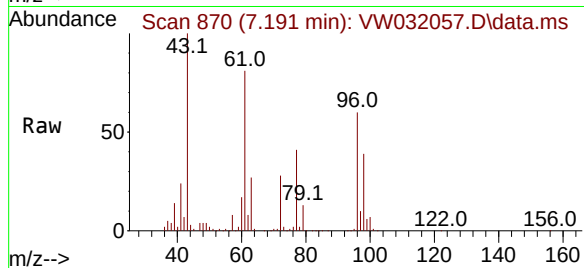
Ion Ratio Lower Upper

43 100

72 28.1 22.3 33.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025

#26

2,2-Dichloropropane

Concen: 147.064 ug/l

RT: 7.185 min Scan# 869

Delta R.T. -0.006 min

Lab File: VW032057.D

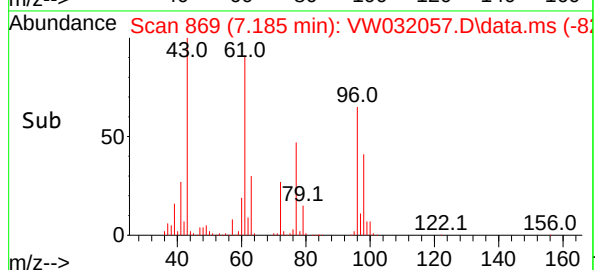
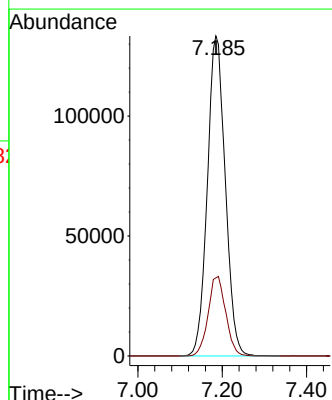
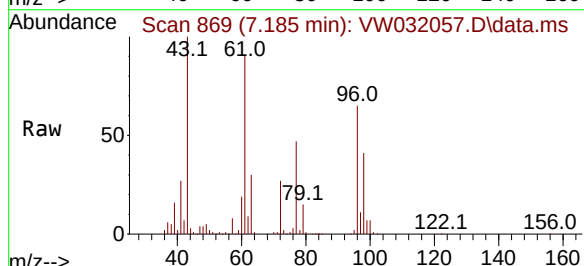
Acq: 11 Aug 2025 11:08

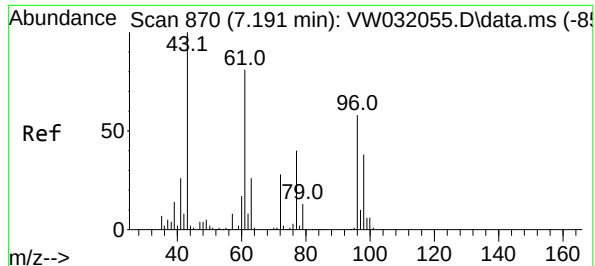
Tgt Ion: 77 Resp: 393976

Ion Ratio Lower Upper

77 100

97 24.4 12.3 36.9





#27

cis-1,2-Dichloroethene

Concen: 153.420 ug/l

RT: 7.191 min Scan# 870

Delta R.T. -0.000 min

Lab File: VW032057.D

Acq: 11 Aug 2025 11:08

Tgt Ion: 96 Resp: 51841

Ion Ratio Lower Upper

96 100

61 138.5 0.0 281.2

98 64.2 0.0 130.8

Instrument :

MSVOA_W

ClientSampleId :

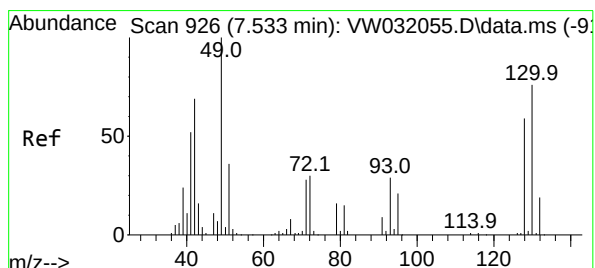
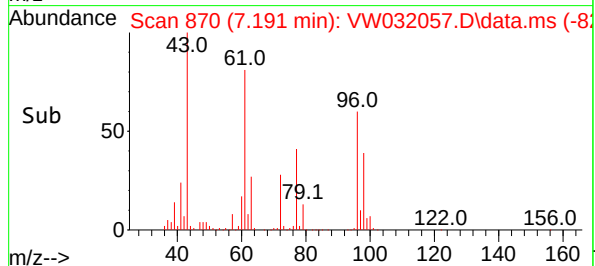
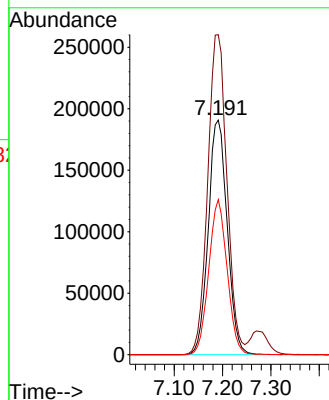
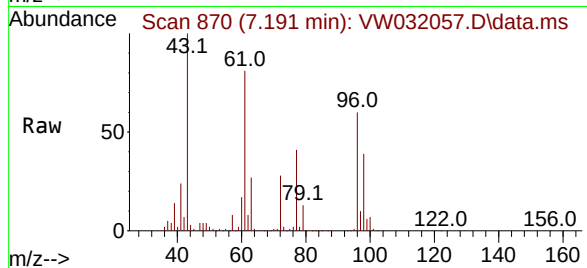
VSTDIC150

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025

Supervised By :Semsettin Yesilyurt 08/12/2025



#28

Bromochloromethane

Concen: 146.781 ug/l

RT: 7.532 min Scan# 926

Delta R.T. -0.000 min

Lab File: VW032057.D

Acq: 11 Aug 2025 11:08

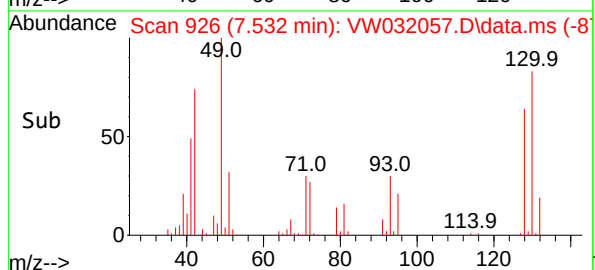
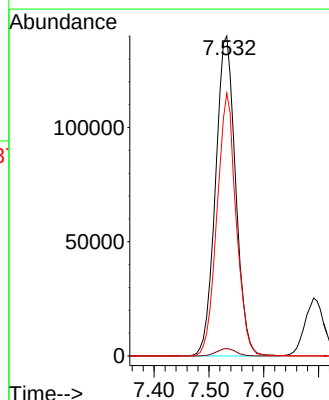
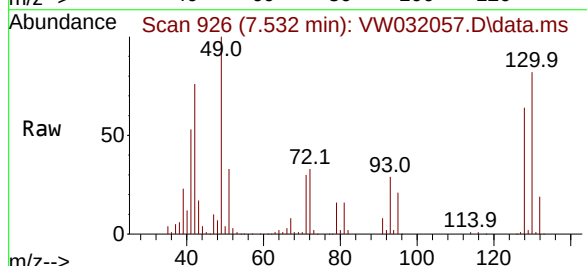
Tgt Ion: 49 Resp: 356684

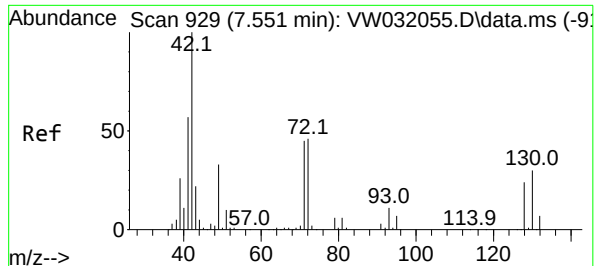
Ion Ratio Lower Upper

49 100

129 2.2 0.0 4.2

130 78.3 61.9 92.9





#29

Tetrahydrofuran

Concen: 779.054 ug/l

RT: 7.551 min Scan# 91

Delta R.T. -0.000 min

Lab File: VW032057.D

Acq: 11 Aug 2025 11:08

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tgt Ion: 42 Resp: 54920

Ion Ratio Lower Upper

42 100

72 46.7 36.6 55.0

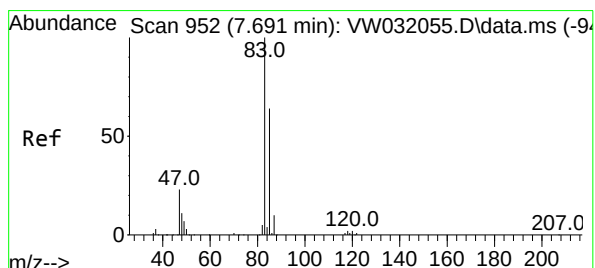
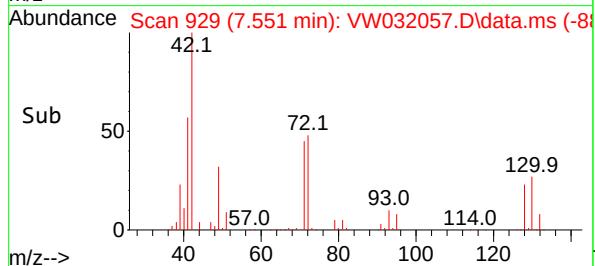
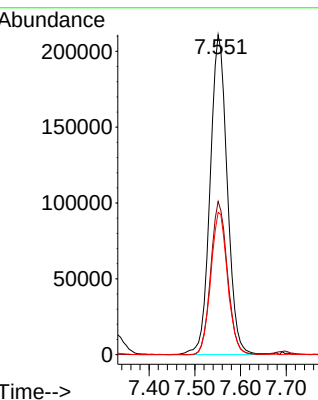
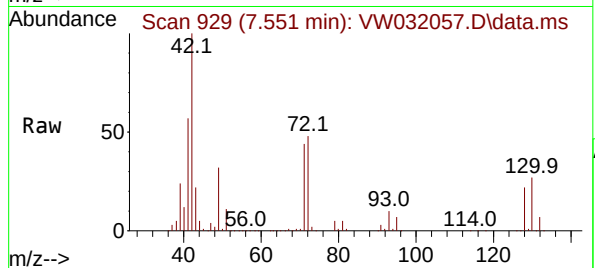
71 43.8 34.7 52.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025

Supervised By :Semsettin Yesilyurt 08/12/2025



#30

Chloroform

Concen: 145.528 ug/l

RT: 7.691 min Scan# 952

Delta R.T. -0.000 min

Lab File: VW032057.D

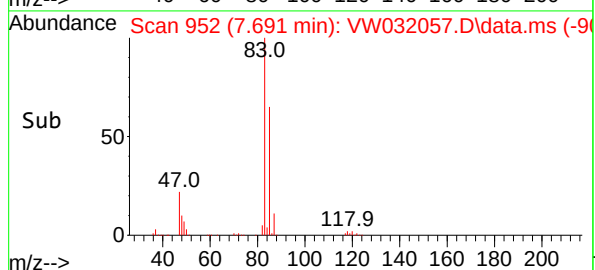
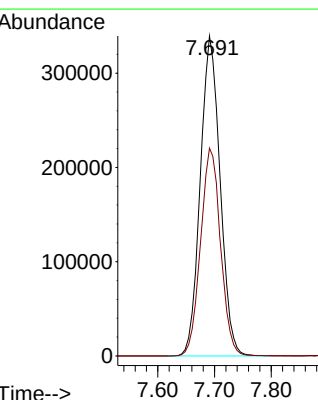
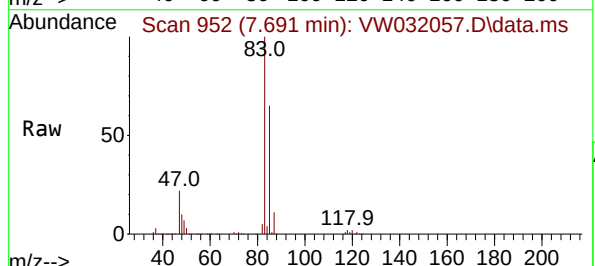
Acq: 11 Aug 2025 11:08

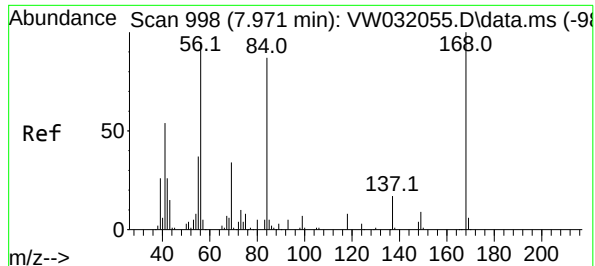
Tgt Ion: 83 Resp: 823850

Ion Ratio Lower Upper

83 100

85 64.9 51.0 76.4





#31

Cyclohexane

Concen: 139.490 ug/l

RT: 7.971 min Scan# 998

Delta R.T. -0.000 min

Lab File: VW032057.D

Acq: 11 Aug 2025 11:08

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tgt Ion: 56 Resp: 645762

Ion Ratio Lower Upper

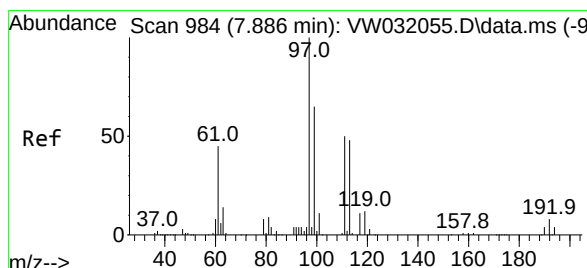
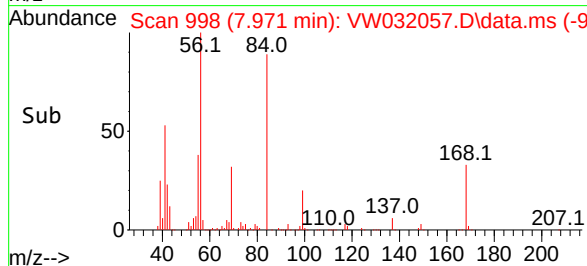
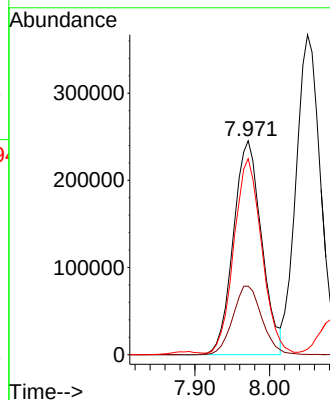
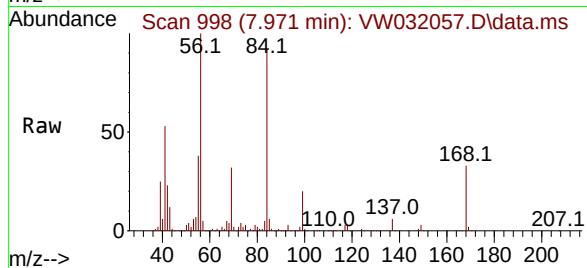
56 100

69 32.0 28.6 42.8

84 90.3 73.0 109.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025

#32

1,1,1-Trichloroethane

Concen: 143.816 ug/l

RT: 7.886 min Scan# 984

Delta R.T. -0.000 min

Lab File: VW032057.D

Acq: 11 Aug 2025 11:08

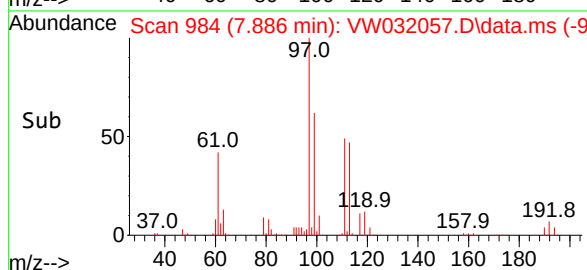
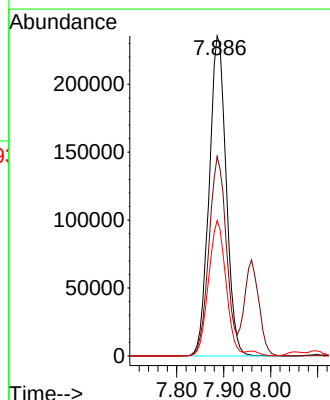
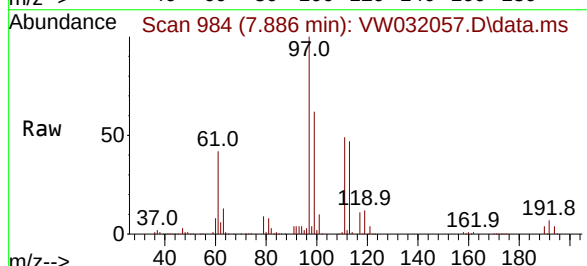
Tgt Ion: 97 Resp: 591372

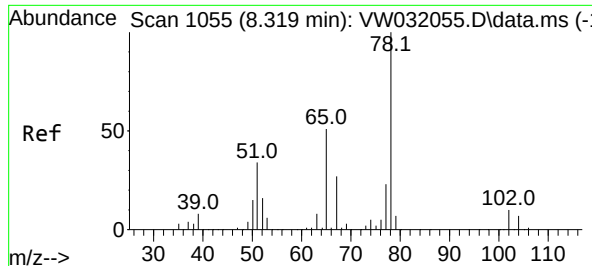
Ion Ratio Lower Upper

97 100

99 64.0 51.8 77.8

61 43.3 35.9 53.9





#33

1,2-Dichloroethane-d4

Concen: 144.584 ug/l

RT: 8.319 min Scan# 1055

Delta R.T. -0.000 min

Lab File: VW032057.D

Acq: 11 Aug 2025 11:08

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC150

Tgt Ion: 65 Resp: 46968

Ion Ratio Lower Upper

65 100

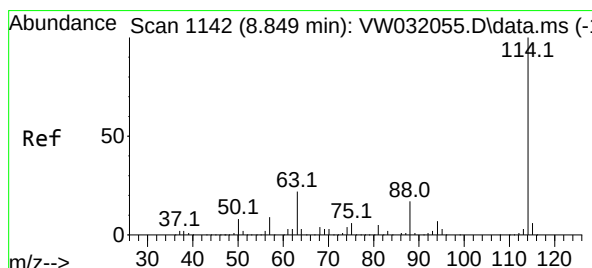
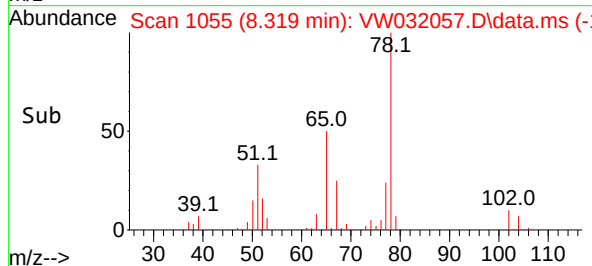
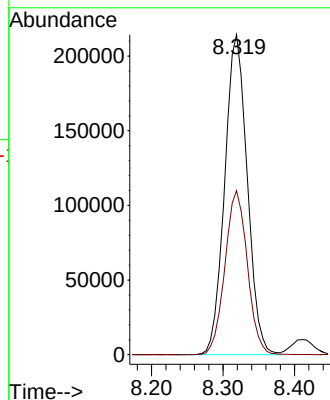
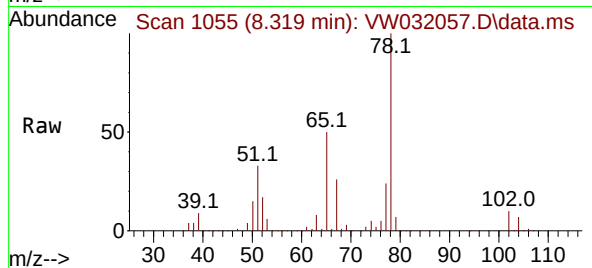
67 51.0 0.0 102.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025

Supervised By :Semsettin Yesilyurt 08/12/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.849 min Scan# 1142

Delta R.T. -0.000 min

Lab File: VW032057.D

Acq: 11 Aug 2025 11:08

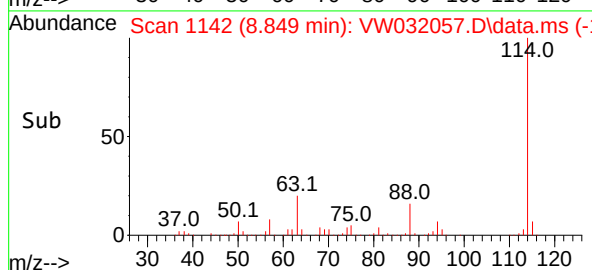
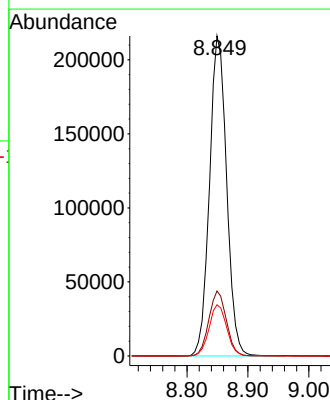
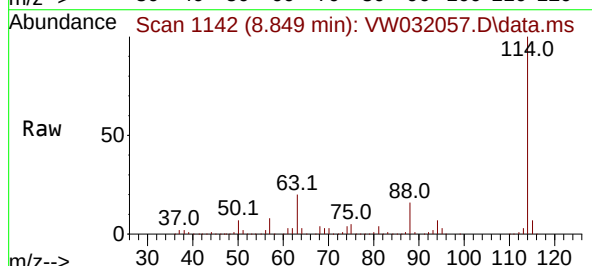
Tgt Ion:114 Resp: 422167

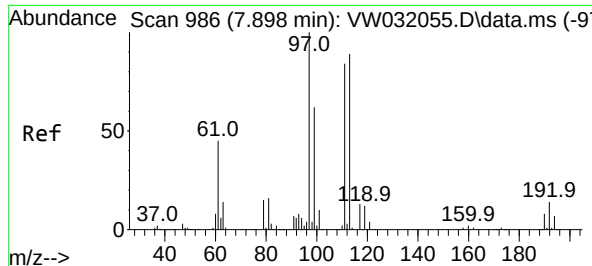
Ion Ratio Lower Upper

114 100

63 20.3 0.0 43.0

88 16.0 0.0 33.8





#35

Dibromofluoromethane

Concen: 144.207 ug/l

RT: 7.898 min Scan# 9

Delta R.T. -0.000 min

Lab File: VW032057.D

Acq: 11 Aug 2025 11:08

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC150

Tgt Ion:113 Resp: 393300

Ion Ratio Lower Upper

113 100

111 103.0 80.1 120.1

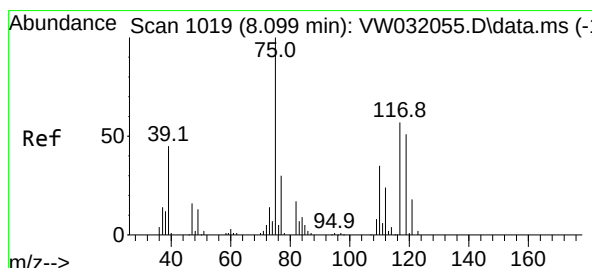
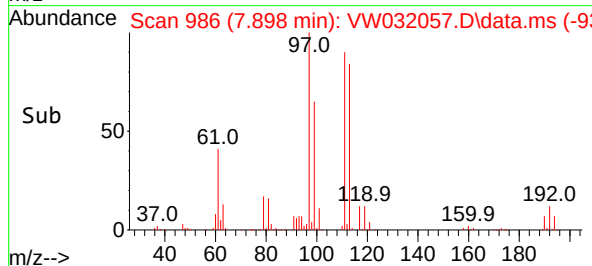
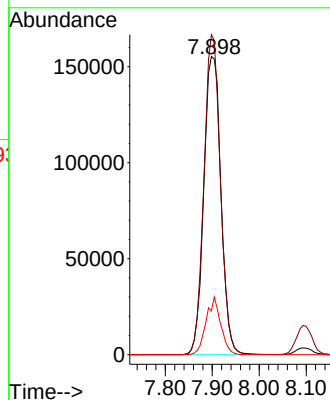
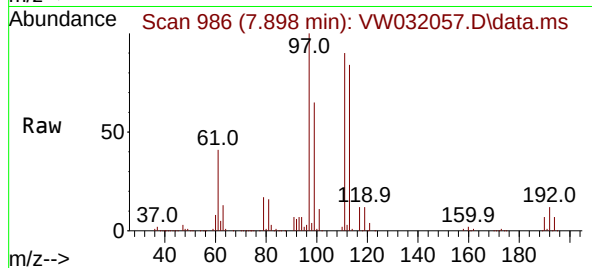
192 16.5 13.1 19.7

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025

Supervised By :Semsettin Yesilyurt 08/12/2025



#36

1,1-Dichloropropene

Concen: 144.659 ug/l

RT: 8.093 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VW032057.D

Acq: 11 Aug 2025 11:08

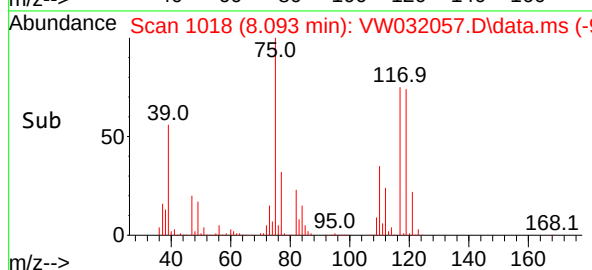
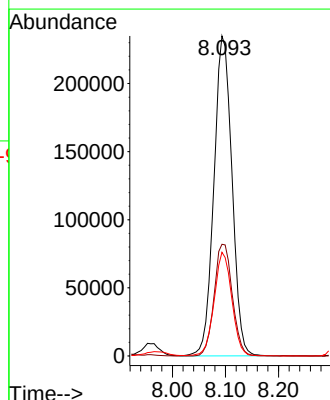
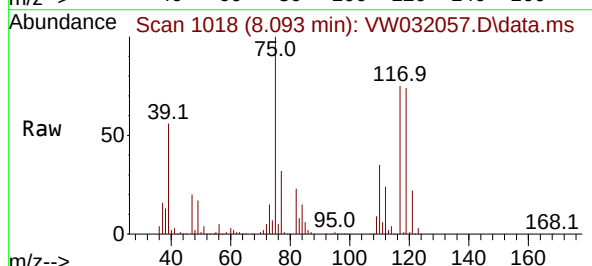
Tgt Ion: 75 Resp: 556189

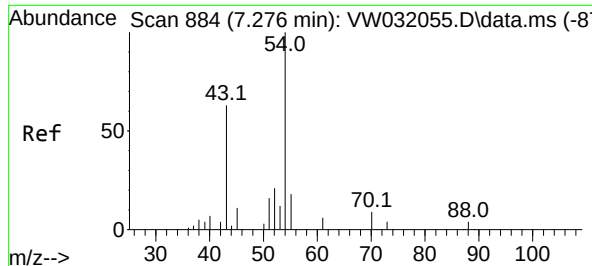
Ion Ratio Lower Upper

75 100

110 35.2 17.4 52.2

77 31.7 24.7 37.1





#37

Ethyl Acetate

Concen: 154.109 ug/l

RT: 7.276 min Scan# 884

Delta R.T. -0.000 min

Lab File: VW032057.D

Acq: 11 Aug 2025 11:08

Instrument :

MSVOA_W

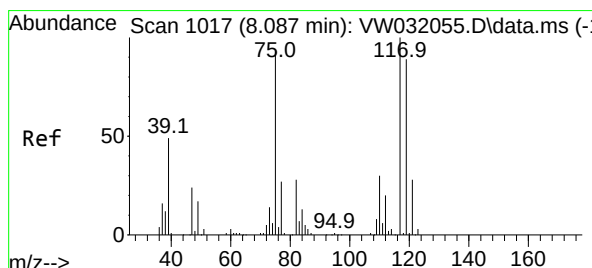
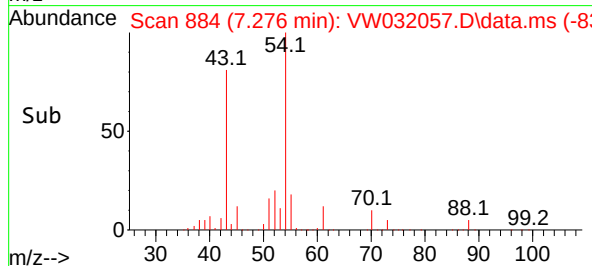
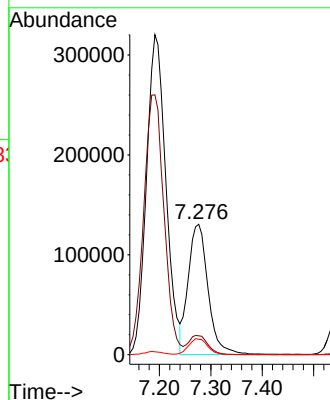
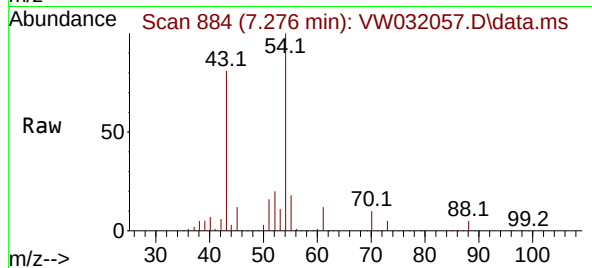
ClientSampleId :

VSTDIC150

Tgt Ion:	43	Resp:	348970
Ion	Ratio	Lower	Upper
43	100		
61	14.4	11.8	17.6
70	11.8	9.4	14.0

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025



#38

Carbon Tetrachloride

Concen: 146.799 ug/l

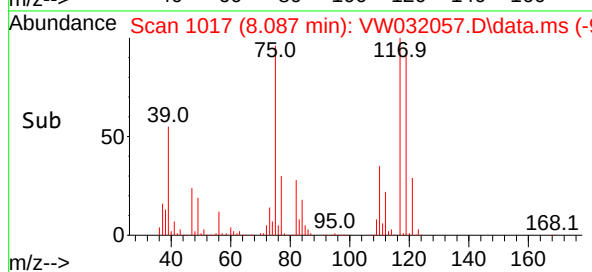
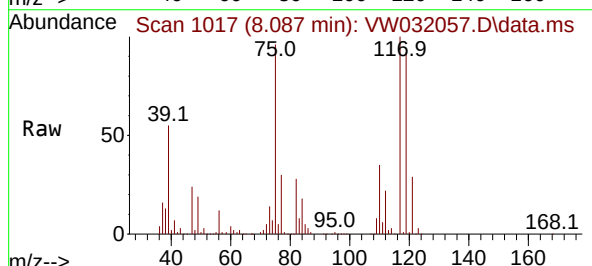
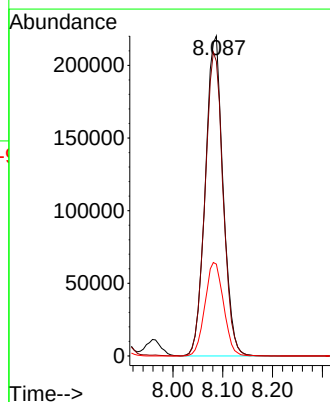
RT: 8.087 min Scan# 1017

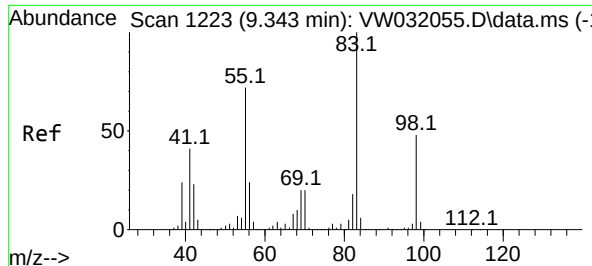
Delta R.T. -0.000 min

Lab File: VW032057.D

Acq: 11 Aug 2025 11:08

Tgt Ion:	117	Resp:	544688
Ion	Ratio	Lower	Upper
117	100		
119	92.1	71.4	107.2
121	28.7	22.3	33.5





#39

Methylcyclohexane

Concen: 156.286 ug/l

RT: 9.343 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW032057.D

Acq: 11 Aug 2025 11:08

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tgt Ion: 83 Resp: 73241

Ion Ratio Lower Upper

83 100

55 73.0 57.9 86.9

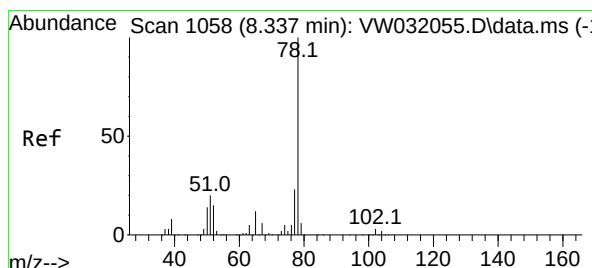
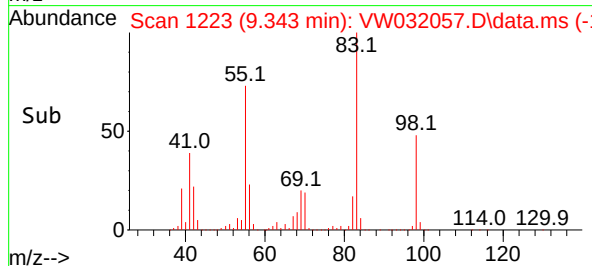
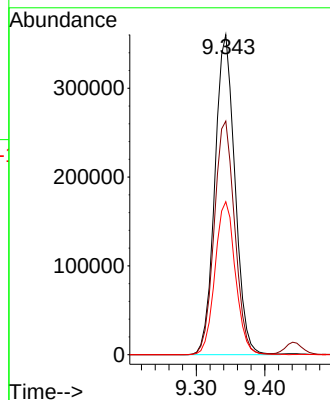
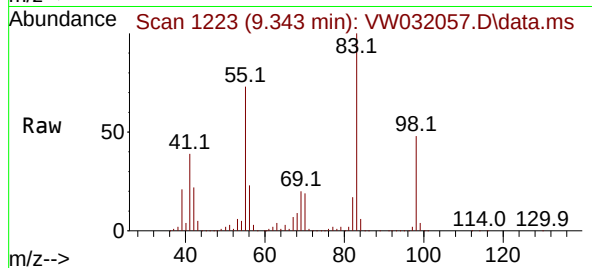
98 47.8 38.3 57.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025

Supervised By :Semsettin Yesilyurt 08/12/2025



#40

Benzene

Concen: 148.159 ug/l

RT: 8.337 min Scan# 1058

Delta R.T. -0.000 min

Lab File: VW032057.D

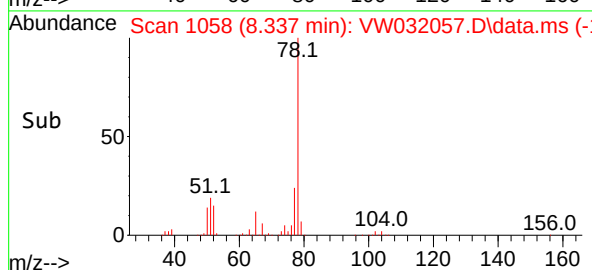
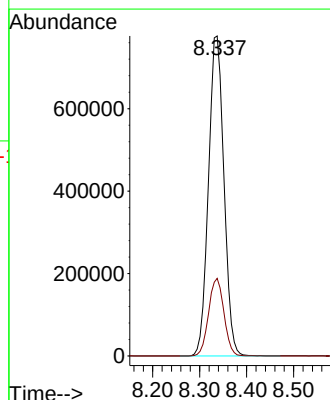
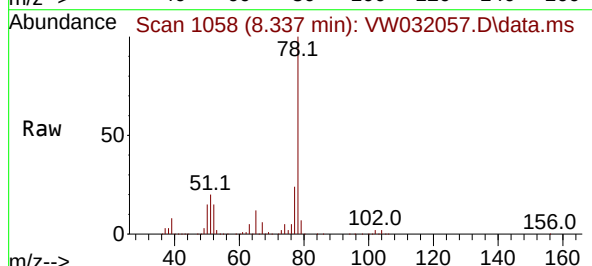
Acq: 11 Aug 2025 11:08

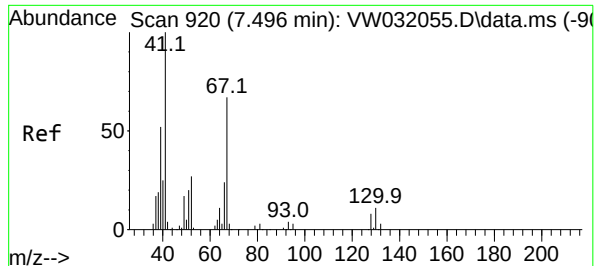
Tgt Ion: 78 Resp: 1770706

Ion Ratio Lower Upper

78 100

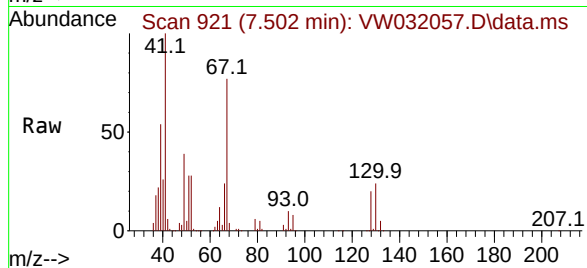
77 24.3 18.4 27.6





#41
Methacrylonitrile
Concen: 160.204 ug/l
RT: 7.502 min Scan# 921
Delta R.T. 0.006 min
Lab File: VW032057.D
Acq: 11 Aug 2025 11:08

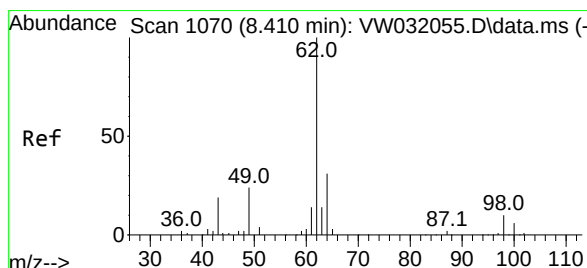
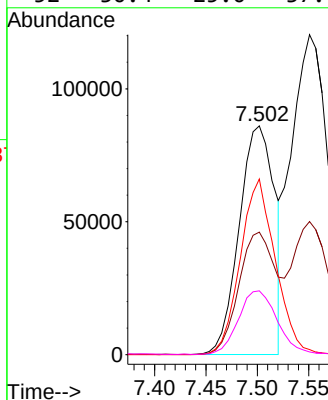
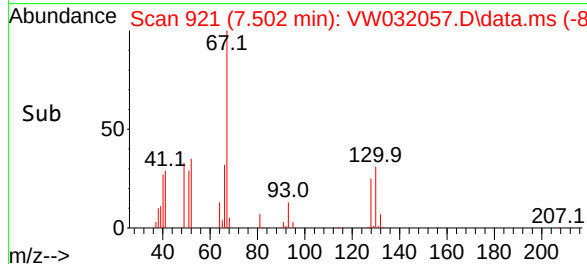
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150



Tgt Ion: 41 Resp: 205729
Ion Ratio Lower Upper
41 100
39 58.7 42.6 63.8
67 76.7 61.0 91.4
52 30.4 25.0 37.4

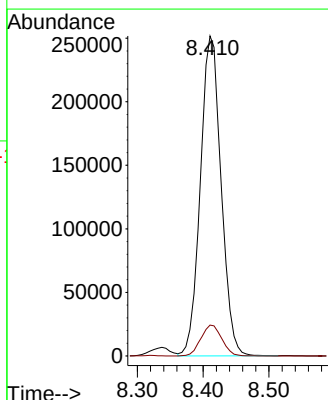
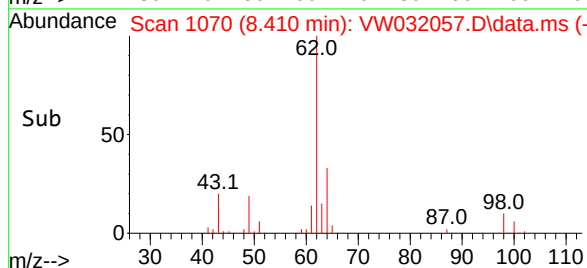
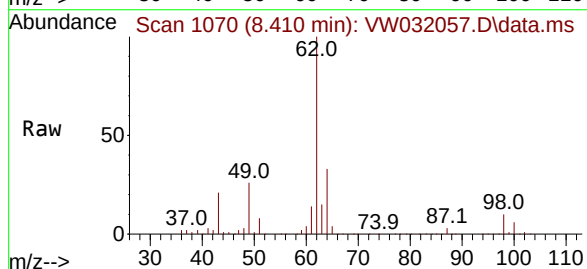
Manual Integrations
APPROVED

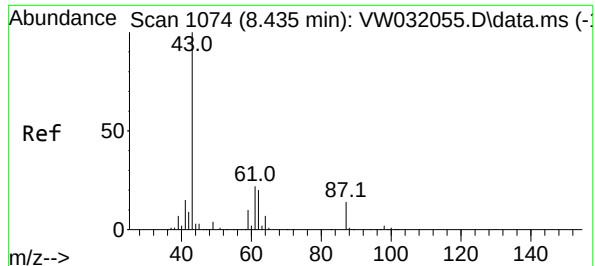
Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025



#42
1,2-Dichloroethane
Concen: 144.388 ug/l
RT: 8.410 min Scan# 1070
Delta R.T. -0.000 min
Lab File: VW032057.D
Acq: 11 Aug 2025 11:08

Tgt Ion: 62 Resp: 552184
Ion Ratio Lower Upper
62 100
98 9.8 0.0 19.8





#43

Isopropyl Acetate

Concen: 159.788 ug/l

RT: 8.435 min Scan# 1074

Delta R.T. -0.000 min

Lab File: VW032057.D

Acq: 11 Aug 2025 11:08

Instrument :

MSVOA_W

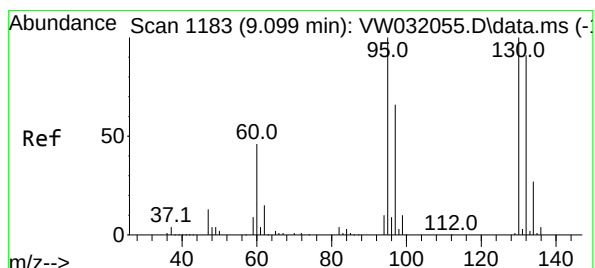
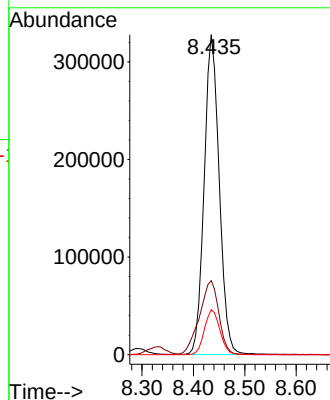
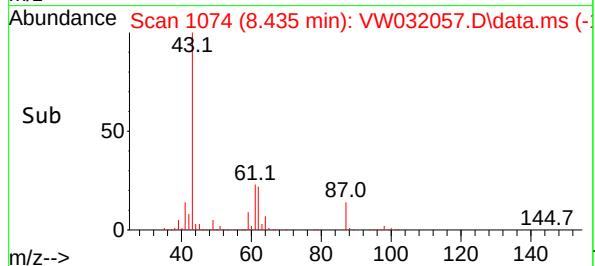
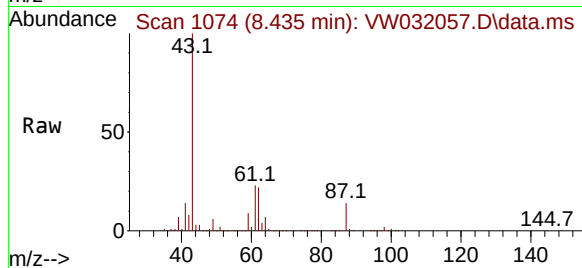
ClientSampleId :

VSTDICC150

Tgt Ion:	43	Resp:	66571
Ion	Ratio	Lower	Upper
43	100		
61	29.7	23.8	35.8
87	14.5	11.7	17.5

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025



#44

Trichloroethene

Concen: 149.281 ug/l

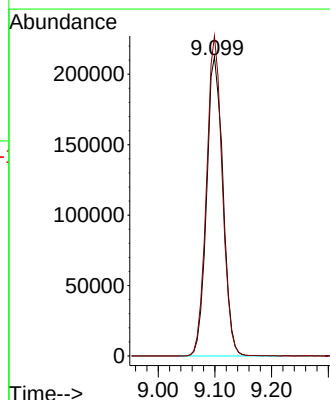
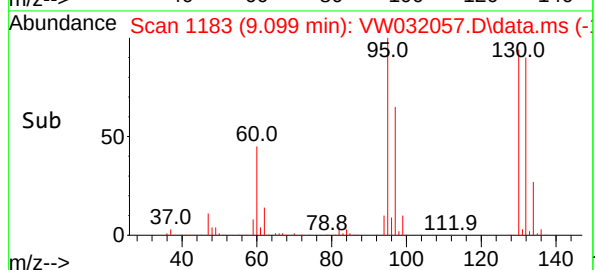
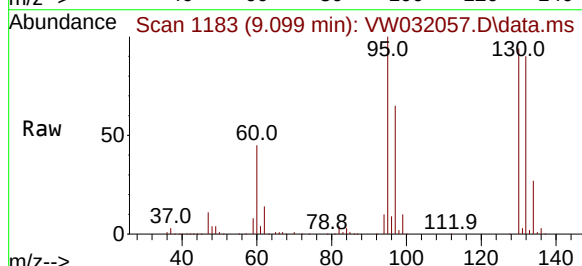
RT: 9.099 min Scan# 1183

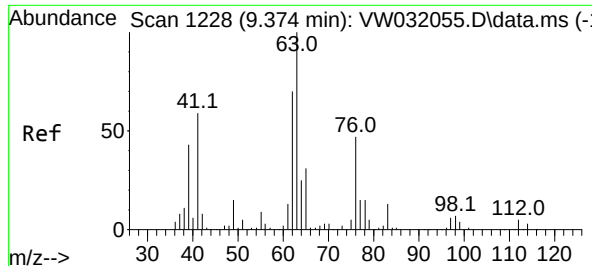
Delta R.T. -0.000 min

Lab File: VW032057.D

Acq: 11 Aug 2025 11:08

Tgt Ion:	130	Resp:	424873
Ion	Ratio	Lower	Upper
130	100		
95	106.9	0.0	200.6





#45

1,2-Dichloropropane

Concen: 148.679 ug/l

RT: 9.374 min Scan# 1228

Delta R.T. -0.000 min

Lab File: VW032057.D

Acq: 11 Aug 2025 11:08

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tgt Ion: 63 Resp: 429280

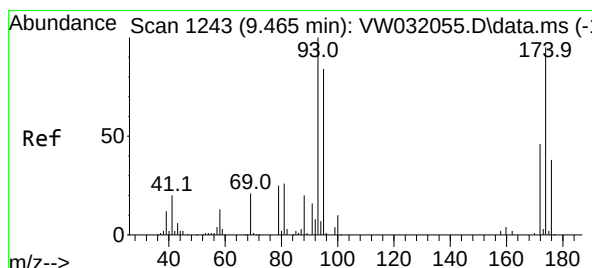
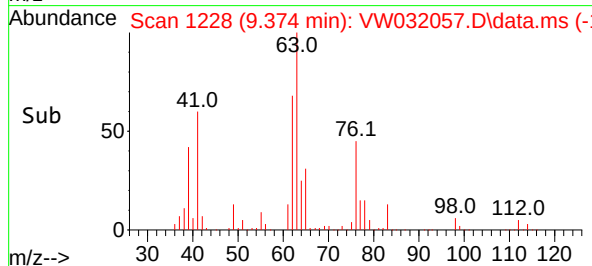
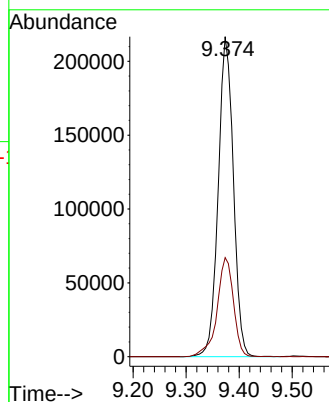
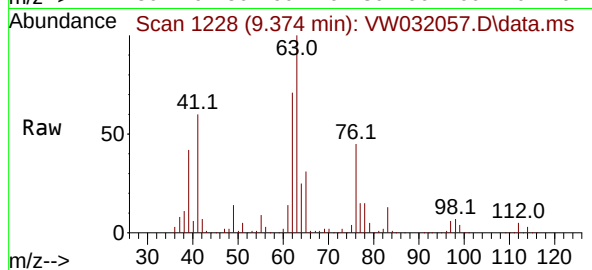
Ion Ratio Lower Upper

63 100

65 30.9 24.6 36.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025

#46

Dibromomethane

Concen: 148.678 ug/l

RT: 9.465 min Scan# 1243

Delta R.T. -0.000 min

Lab File: VW032057.D

Acq: 11 Aug 2025 11:08

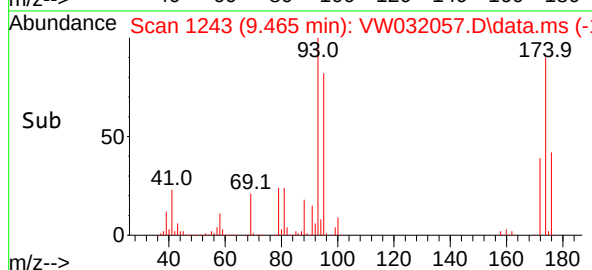
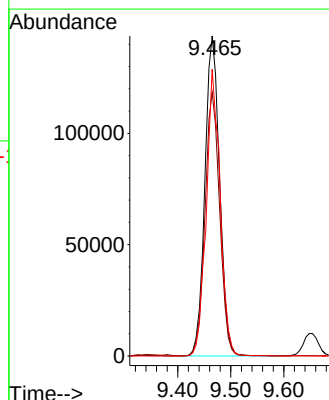
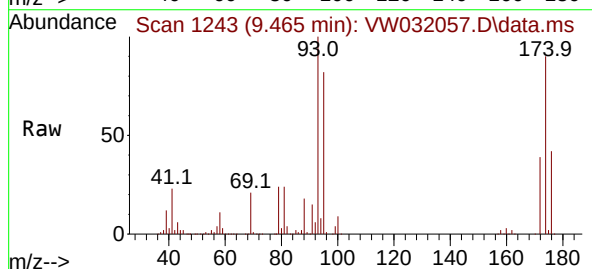
Tgt Ion: 93 Resp: 277058

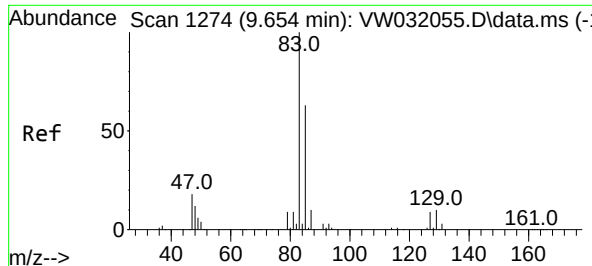
Ion Ratio Lower Upper

93 100

95 82.2 65.3 97.9

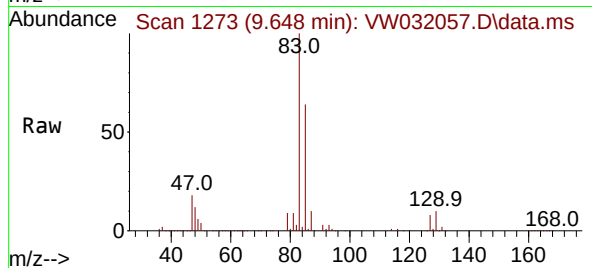
174 84.7 68.6 102.8





#47
Bromodichloromethane
Concen: 152.185 ug/l
RT: 9.648 min Scan# 1273
Delta R.T. -0.006 min
Lab File: VW032057.D
Acq: 11 Aug 2025 11:08

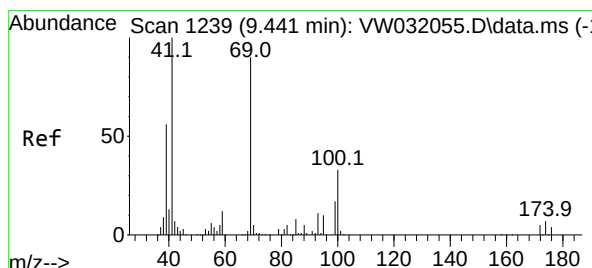
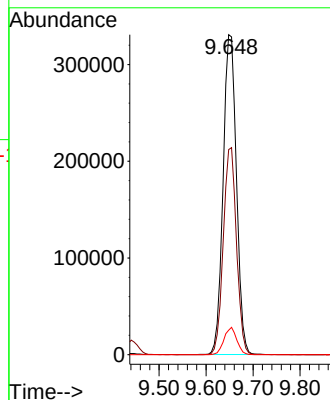
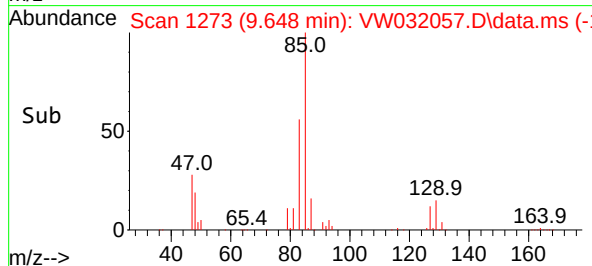
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150



Tgt Ion: 83 Resp: 653470
Ion Ratio Lower Upper
83 100
85 64.1 50.6 75.8
127 7.7 6.9 10.3

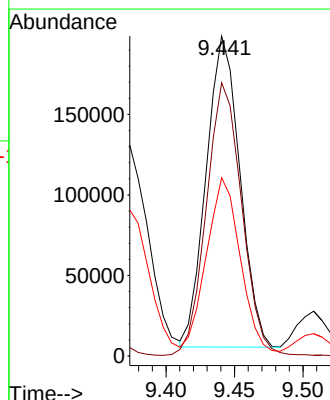
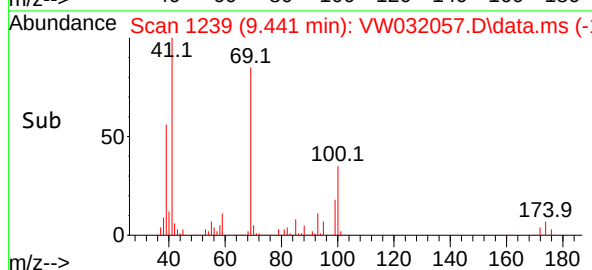
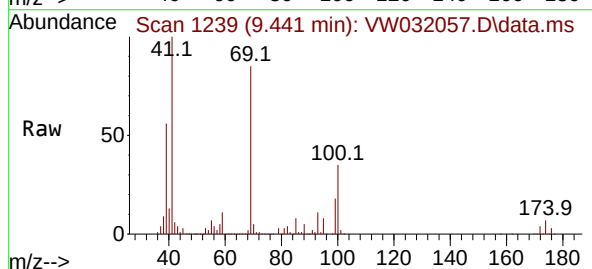
Manual Integrations
APPROVED

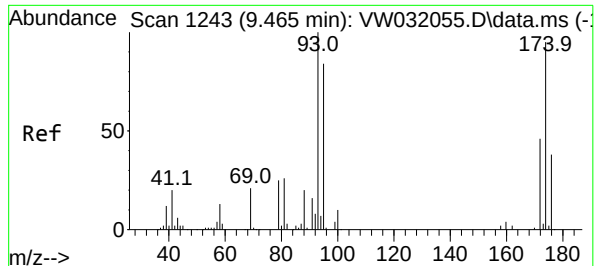
Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025



#48
Methyl methacrylate
Concen: 164.326 ug/l
RT: 9.441 min Scan# 1239
Delta R.T. -0.000 min
Lab File: VW032057.D
Acq: 11 Aug 2025 11:08

Tgt Ion: 41 Resp: 330511
Ion Ratio Lower Upper
41 100
69 92.4 73.0 109.6
39 55.2 45.0 67.4





#49

1,4-Dioxane

Concen: 3279.484 ug/l

RT: 9.459 min Scan# 1242

Delta R.T. -0.006 min

Lab File: VW032057.D

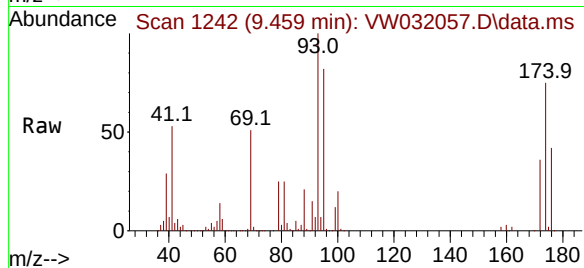
Acq: 11 Aug 2025 11:08

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC150

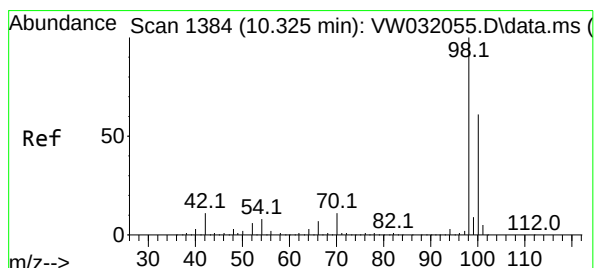
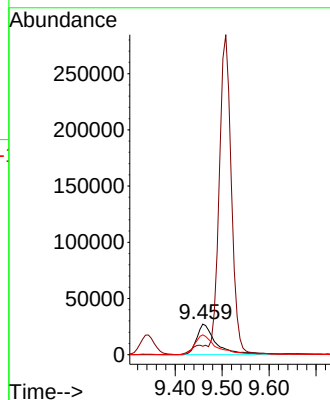
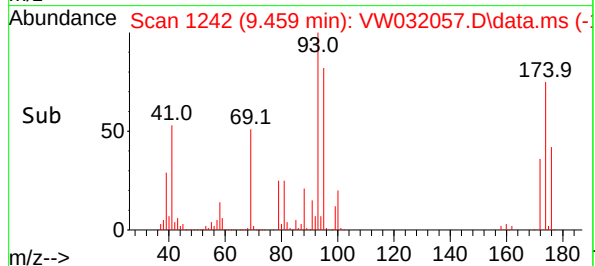


Tgt Ion:	88	Resp:	79010
Ion	Ratio	Lower	Upper
88	100		
43	0.0	20.6	30.8
58	70.8	60.4	90.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025



#50

Toluene-d8

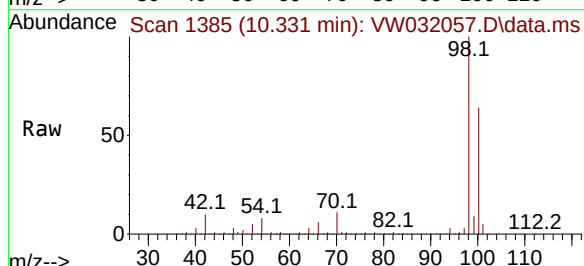
Concen: 147.908 ug/l

RT: 10.331 min Scan# 1385

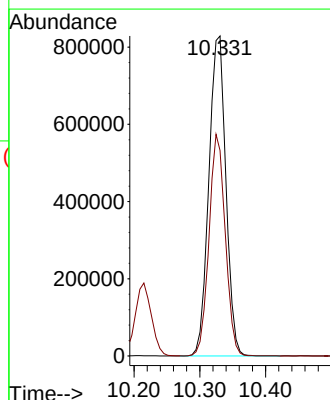
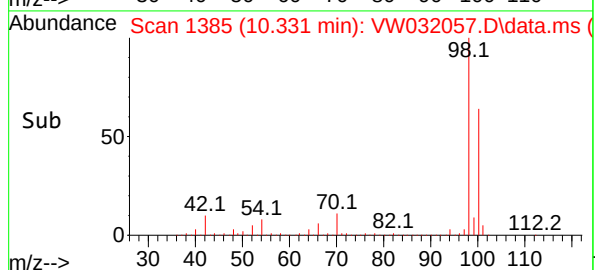
Delta R.T. 0.006 min

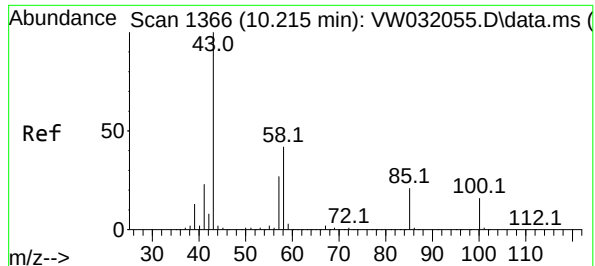
Lab File: VW032057.D

Acq: 11 Aug 2025 11:08



Tgt Ion:	98	Resp:	1492050
Ion	Ratio	Lower	Upper
98	100		
100	66.0	51.1	76.7





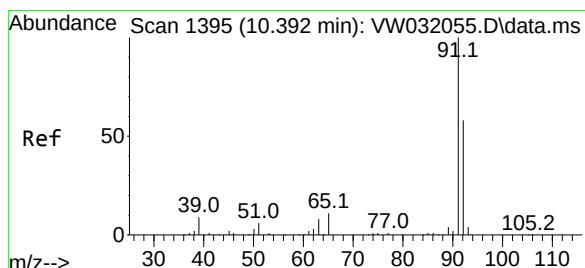
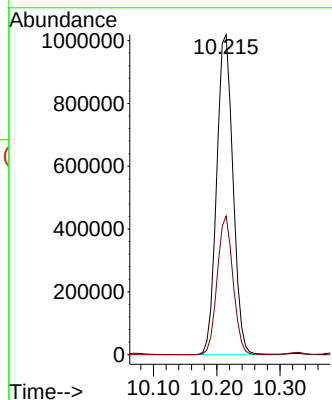
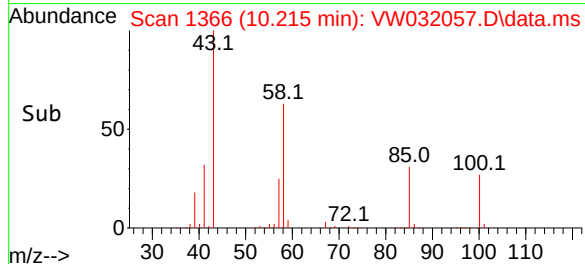
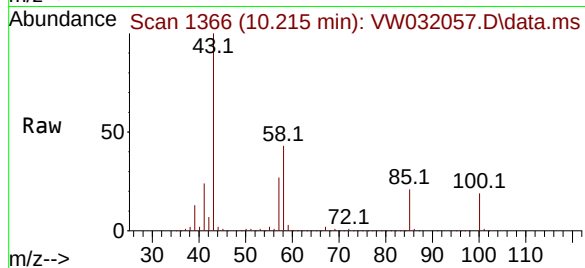
#51
4-Methyl-2-Pentanone
Concen: 772.800 ug/l
RT: 10.215 min Scan# 1366
Delta R.T. -0.000 min
Lab File: VW032057.D
Acq: 11 Aug 2025 11:08

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 181727
Ion Ratio Lower Upper
43 100
58 42.0 33.1 49.7

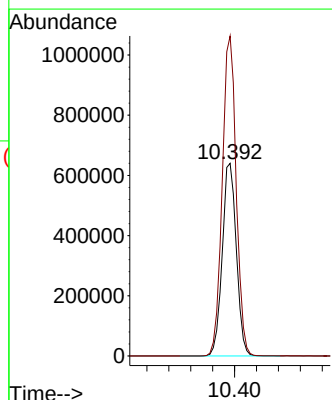
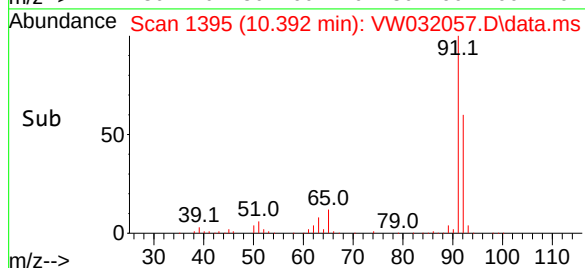
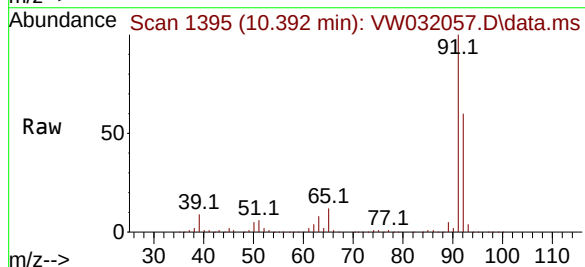
Manual Integrations
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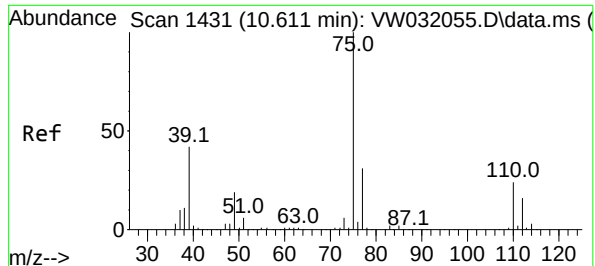
Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025



#52
Toluene
Concen: 151.812 ug/l
RT: 10.392 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VW032057.D
Acq: 11 Aug 2025 11:08

Tgt Ion: 92 Resp: 1142813
Ion Ratio Lower Upper
92 100
91 164.7 136.3 204.5





#53

t-1,3-Dichloropropene

Concen: 162.760 ug/l

RT: 10.605 min Scan# 1430

Delta R.T. -0.006 min

Lab File: VW032057.D

Acq: 11 Aug 2025 11:08

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tgt Ion: 75 Resp: 65476

Ion Ratio Lower Upper

75 100

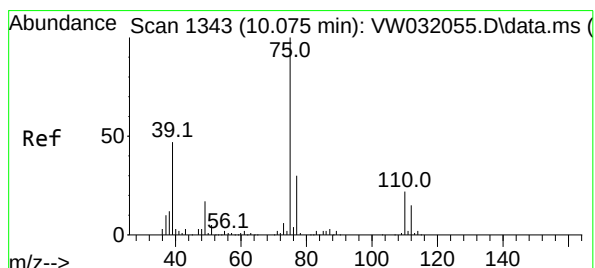
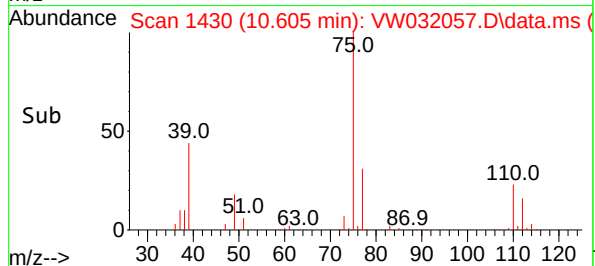
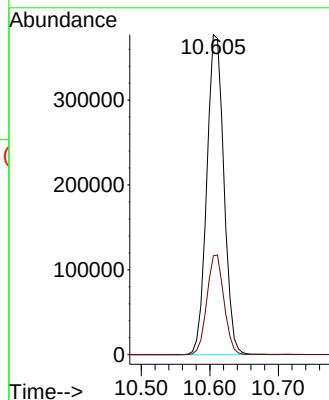
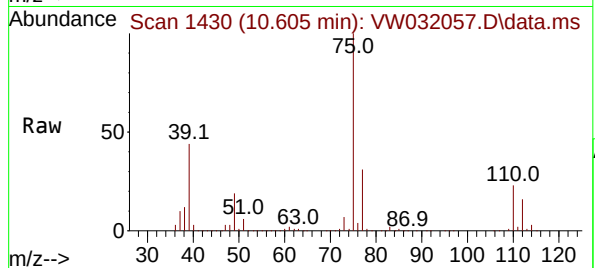
77 30.9 25.0 37.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025

Supervised By :Semsettin Yesilyurt 08/12/2025



#54

cis-1,3-Dichloropropene

Concen: 157.011 ug/l

RT: 10.075 min Scan# 1343

Delta R.T. -0.000 min

Lab File: VW032057.D

Acq: 11 Aug 2025 11:08

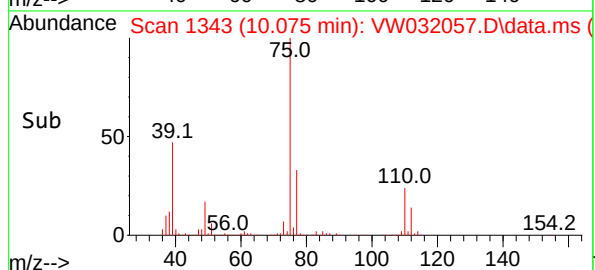
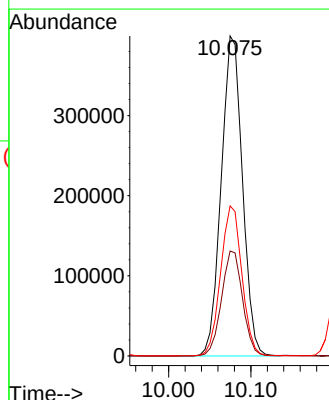
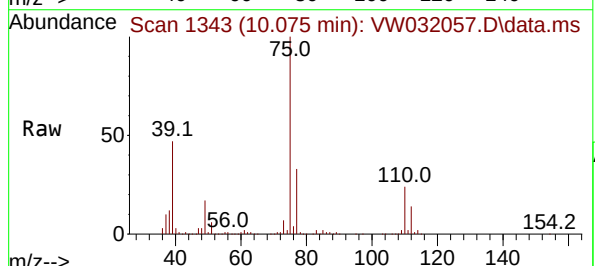
Tgt Ion: 75 Resp: 716583

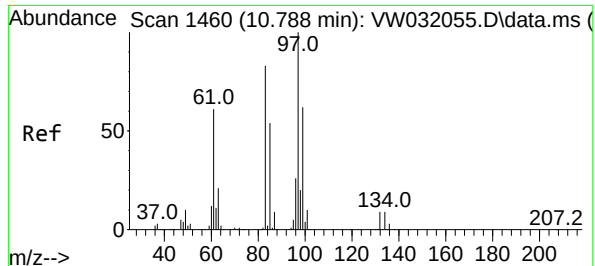
Ion Ratio Lower Upper

75 100

77 32.8 24.0 36.0

39 46.9 37.8 56.8





#55

1,1,2-Trichloroethane

Concen: 147.271 ug/l

RT: 10.788 min Scan# 1460

Delta R.T. -0.000 min

Lab File: VW032057.D

Acq: 11 Aug 2025 11:08

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tgt Ion: 97 Resp: 364680

Ion Ratio Lower Upper

97 100

83 86.3 66.4 99.6

85 53.3 43.1 64.7

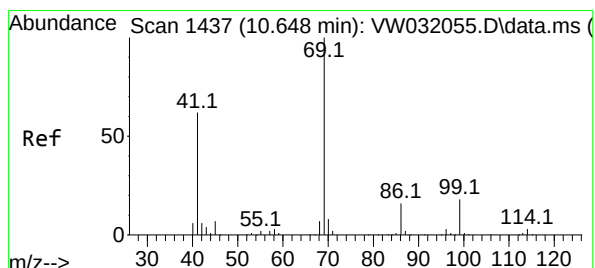
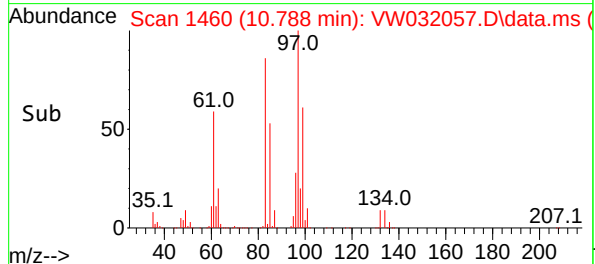
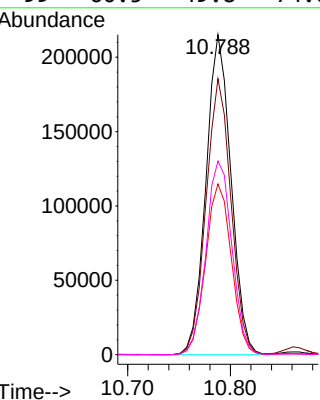
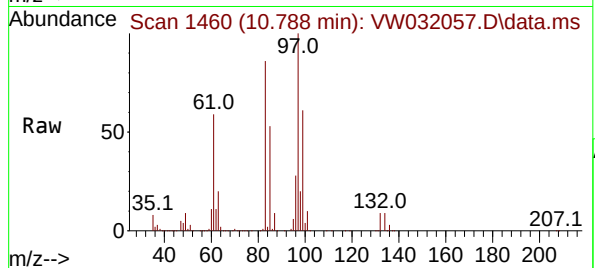
99 60.5 49.8 74.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025

Supervised By :Semsettin Yesilyurt 08/12/2025



#56

Ethyl methacrylate

Concen: 166.963 ug/l

RT: 10.648 min Scan# 1437

Delta R.T. -0.000 min

Lab File: VW032057.D

Acq: 11 Aug 2025 11:08

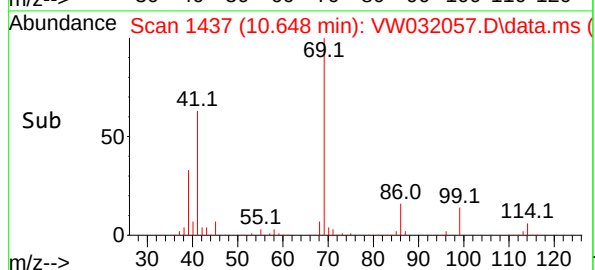
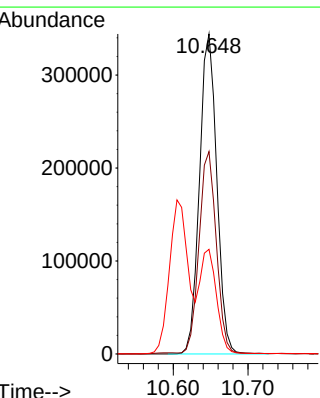
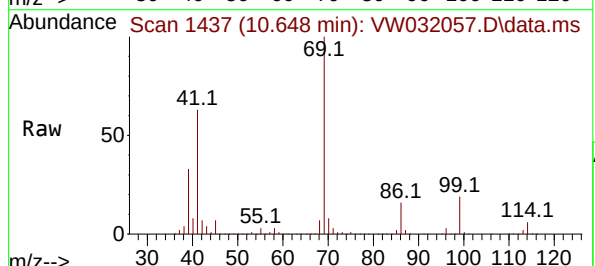
Tgt Ion: 69 Resp: 553265

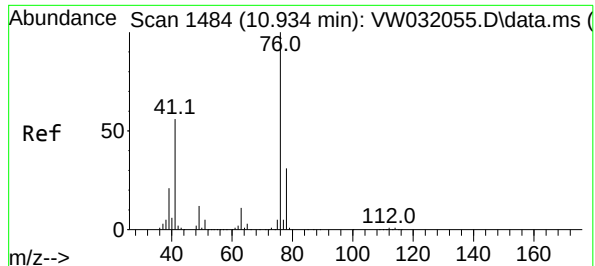
Ion Ratio Lower Upper

69 100

41 62.9 51.2 76.8

39 30.8 25.4 38.0





#57

1,3-Dichloropropane

Concen: 149.298 ug/l

RT: 10.934 min Scan# 1484

Delta R.T. -0.000 min

Lab File: VW032057.D

Acq: 11 Aug 2025 11:08

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tgt Ion: 76 Resp: 644418

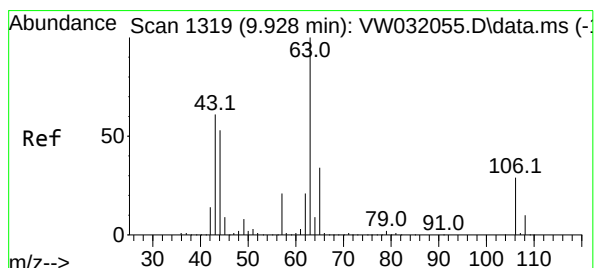
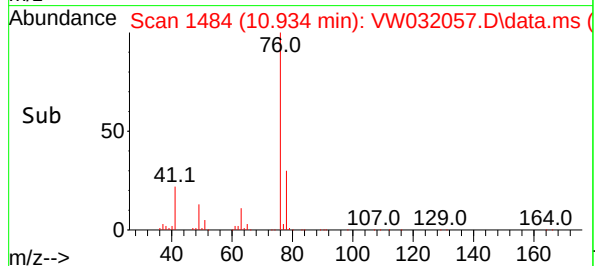
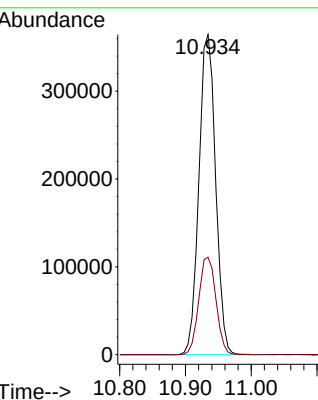
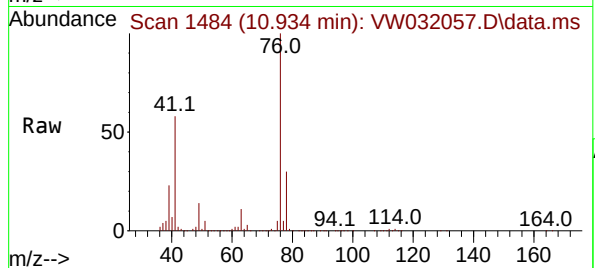
Ion Ratio Lower Upper

76 100

78 31.5 25.8 38.6

Manual Integrations

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Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025

#58

2-Chloroethyl Vinyl ether

Concen: 784.377 ug/l

RT: 9.928 min Scan# 1319

Delta R.T. -0.000 min

Lab File: VW032057.D

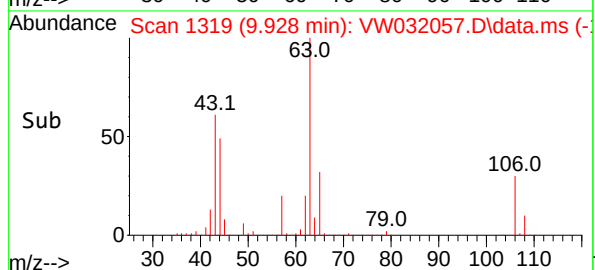
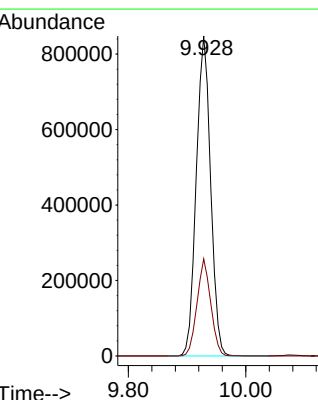
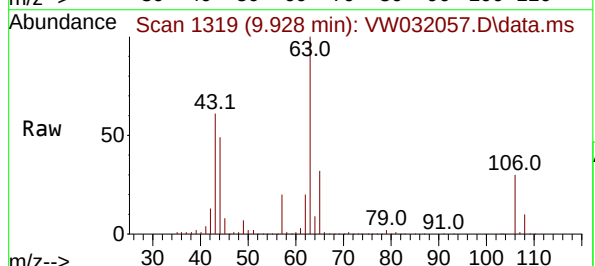
Acq: 11 Aug 2025 11:08

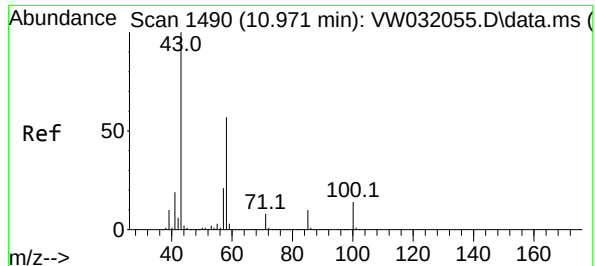
Tgt Ion: 63 Resp: 1437682

Ion Ratio Lower Upper

63 100

106 29.0 23.5 35.3





#59

2-Hexanone

Concen: 785.288 ug/l

RT: 10.971 min Scan# 1490

Delta R.T. -0.000 min

Lab File: VW032057.D

Acq: 11 Aug 2025 11:08

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tgt Ion: 43 Resp: 127891

Ion Ratio Lower Upper

43 100

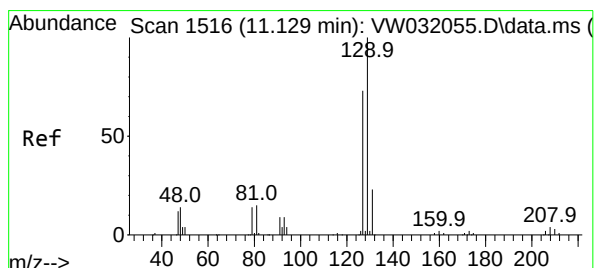
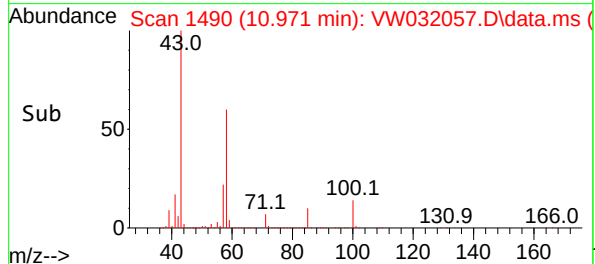
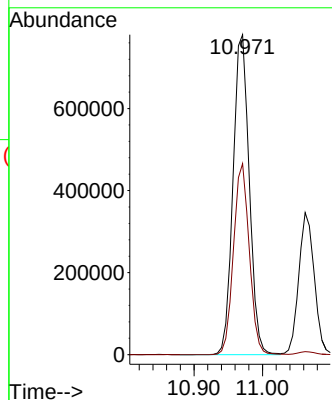
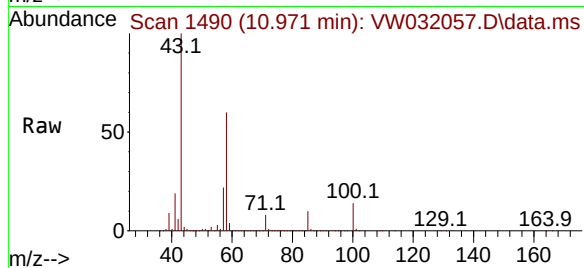
58 58.3 28.3 85.0

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Reviewed By :Mahesh Dadoda 08/12/2025

Supervised By :Semsettin Yesilyurt 08/12/2025



#60

Dibromochloromethane

Concen: 156.387 ug/l

RT: 11.129 min Scan# 1516

Delta R.T. -0.000 min

Lab File: VW032057.D

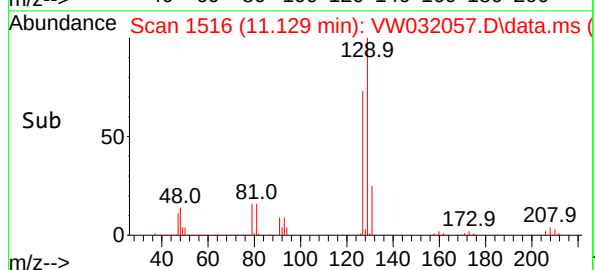
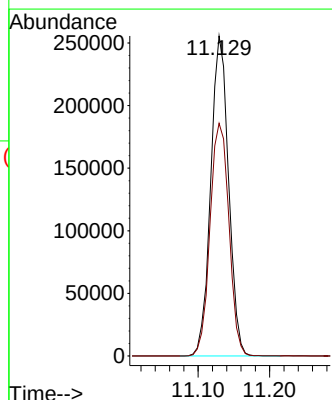
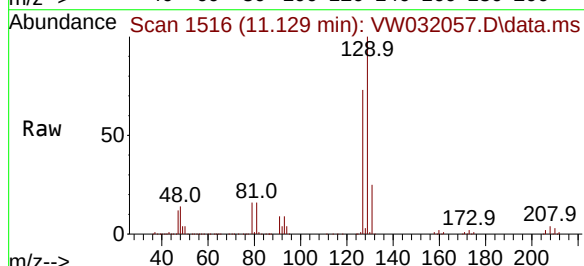
Acq: 11 Aug 2025 11:08

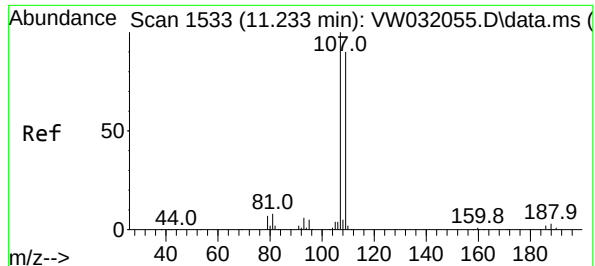
Tgt Ion:129 Resp: 442362

Ion Ratio Lower Upper

129 100

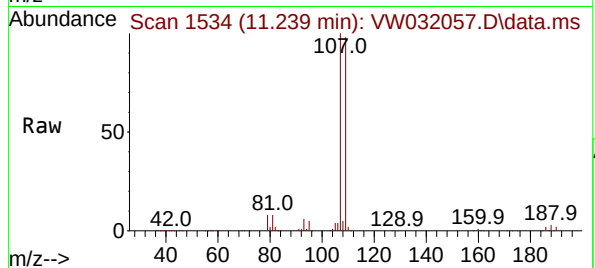
127 77.1 39.0 116.9





#61
1,2-Dibromoethane
Concen: 150.929 ug/l
RT: 11.239 min Scan# 1533
Delta R.T. 0.006 min
Lab File: VW032057.D
Acq: 11 Aug 2025 11:08

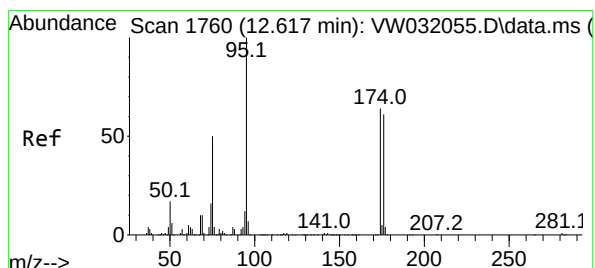
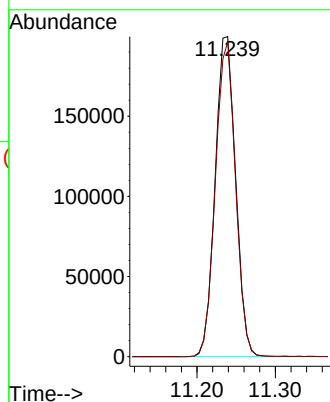
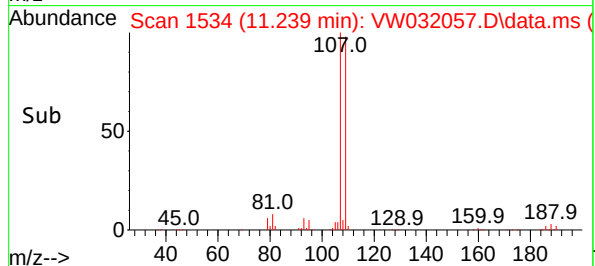
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150



Tgt Ion:107 Resp: 363192
Ion Ratio Lower Upper
107 100
109 96.5 74.2 111.4

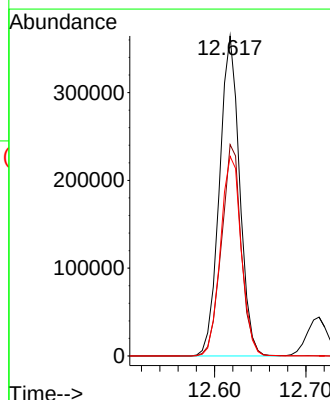
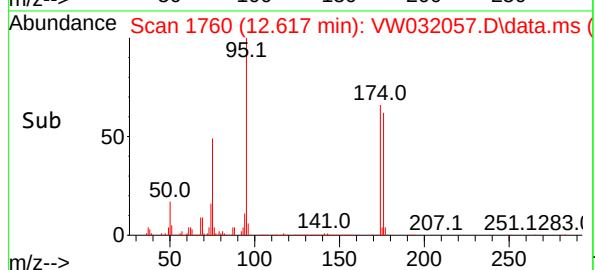
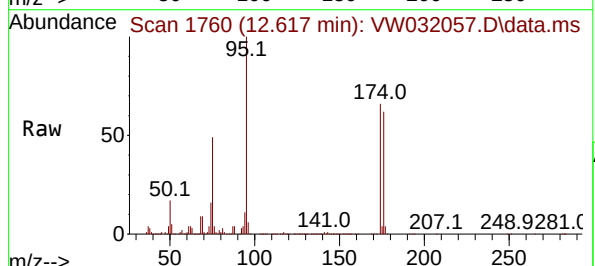
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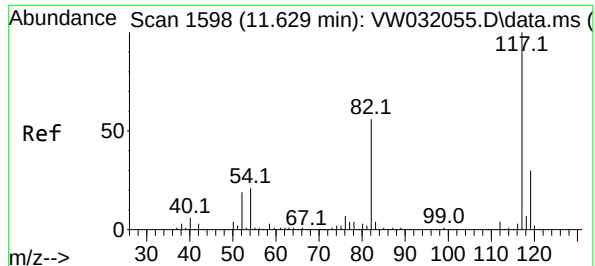
Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025



#62
4-Bromofluorobenzene
Concen: 150.185 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032057.D
Acq: 11 Aug 2025 11:08

Tgt Ion: 95 Resp: 558308
Ion Ratio Lower Upper
95 100
174 64.8 0.0 129.0
176 64.5 0.0 124.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.629 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW032057.D

Acq: 11 Aug 2025 11:08

Instrument :

MSVOA_W

ClientSampleId :

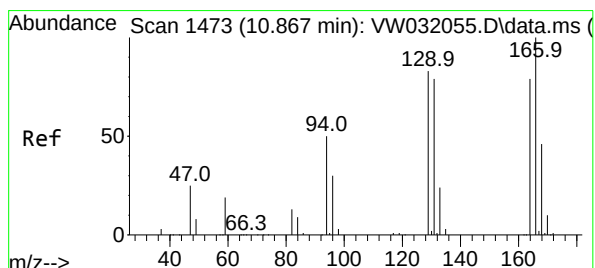
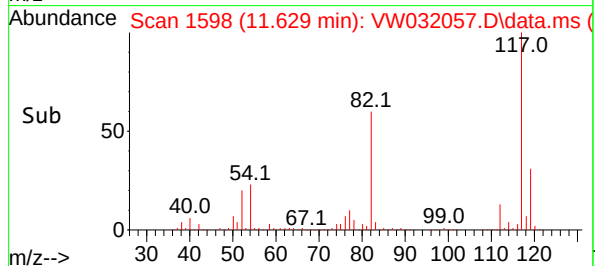
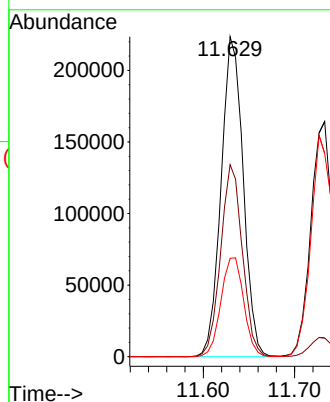
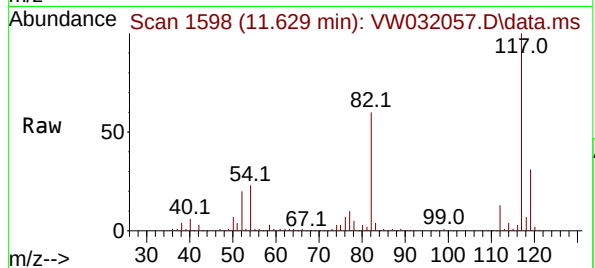
VSTDICC150

Tgt Ion:	117	Resp:	37527
Ion	Ratio	Lower	Upper
117	100		
82	59.9	45.0	67.4
119	30.8	24.2	36.4

Manual Integrations

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Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025



#64

Tetrachloroethene

Concen: 150.622 ug/l

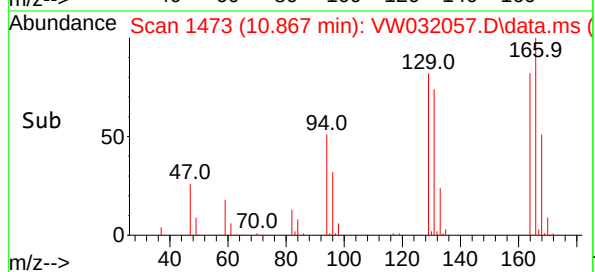
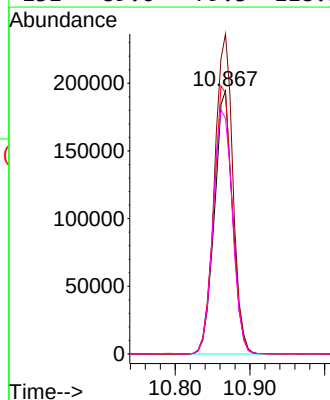
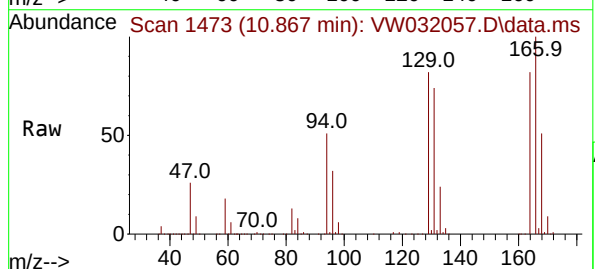
RT: 10.867 min Scan# 1473

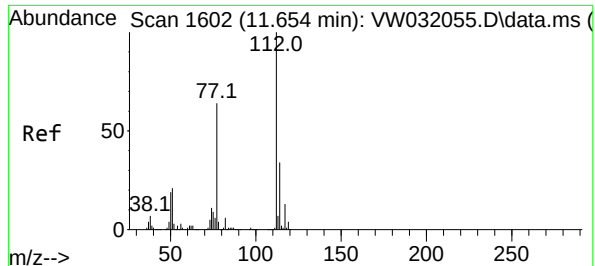
Delta R.T. -0.000 min

Lab File: VW032057.D

Acq: 11 Aug 2025 11:08

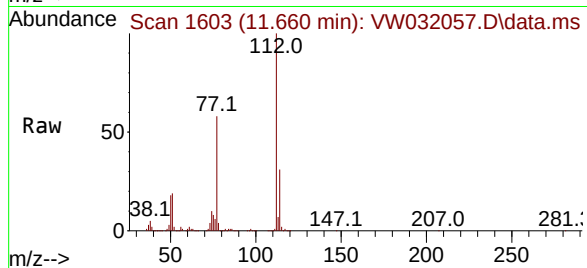
Tgt Ion:	164	Resp:	326491
Ion	Ratio	Lower	Upper
164	100		
166	121.6	100.9	151.3
129	99.3	83.6	125.4
131	89.6	79.3	118.9





#65
Chlorobenzene
Concen: 150.609 ug/l
RT: 11.660 min Scan# 1603
Delta R.T. 0.006 min
Lab File: VW032057.D
Acq: 11 Aug 2025 11:08

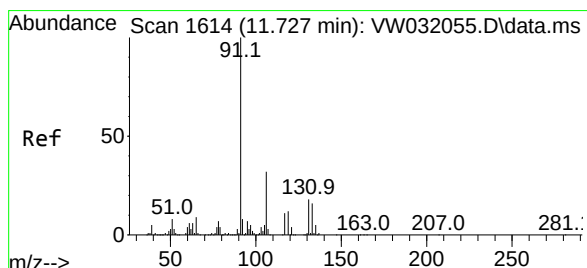
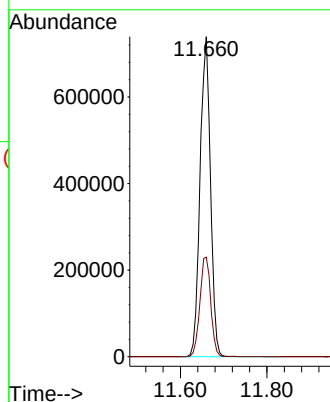
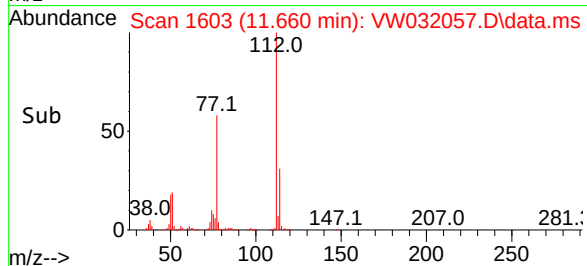
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150



Tgt Ion:112 Resp: 1230240
Ion Ratio Lower Upper
112 100
114 31.1 26.9 40.3

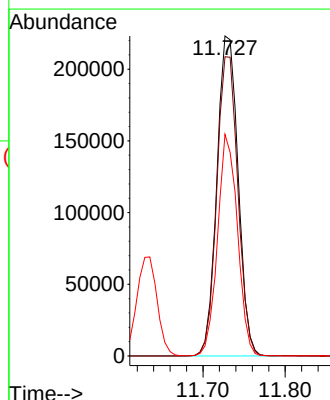
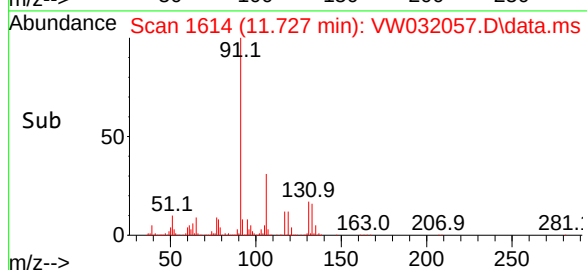
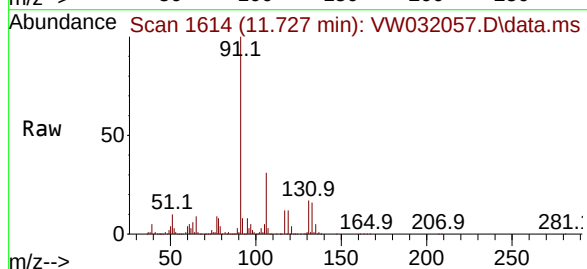
Manual Integrations
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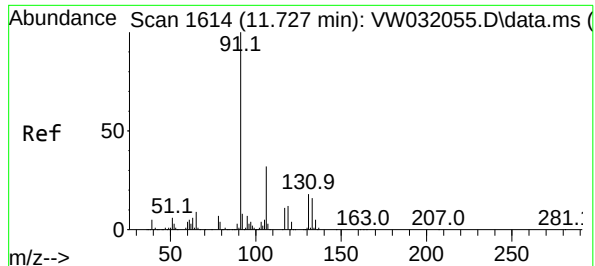
Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 157.017 ug/l
RT: 11.727 min Scan# 1614
Delta R.T. -0.000 min
Lab File: VW032057.D
Acq: 11 Aug 2025 11:08

Tgt Ion:131 Resp: 400167
Ion Ratio Lower Upper
131 100
133 93.2 47.3 142.0
119 65.0 34.5 103.5





#67

Ethyl Benzene

Concen: 156.328 ug/l

RT: 11.733 min Scan# 1615

Delta R.T. 0.006 min

Lab File: VW032057.D

Acq: 11 Aug 2025 11:08

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC150

Tgt Ion: 91 Resp: 216298

Ion Ratio Lower Upper

91 100

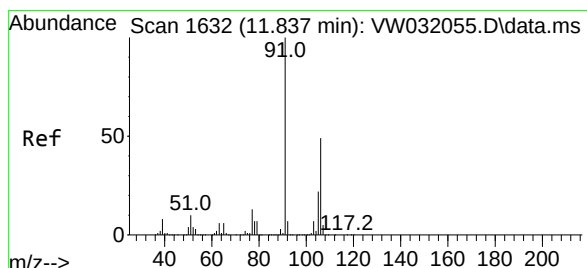
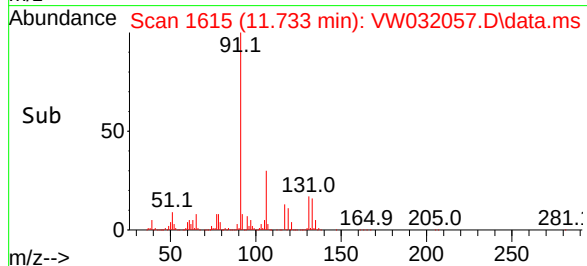
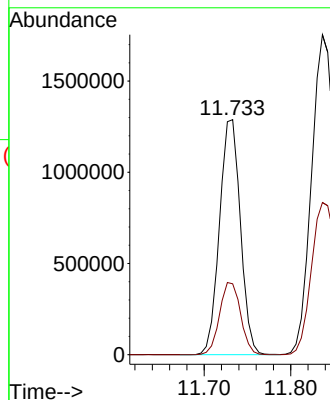
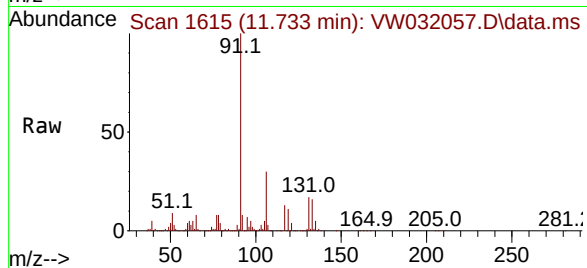
106 30.1 25.4 38.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025

Supervised By :Semsettin Yesilyurt 08/12/2025



#68

m/p-Xylenes

Concen: 307.801 ug/l

RT: 11.837 min Scan# 1632

Delta R.T. -0.000 min

Lab File: VW032057.D

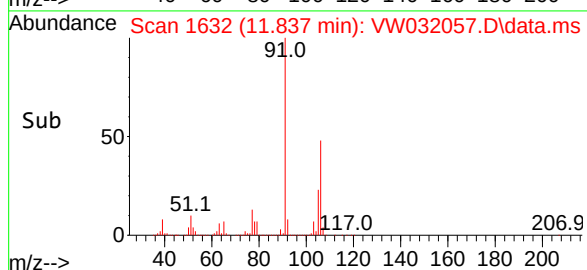
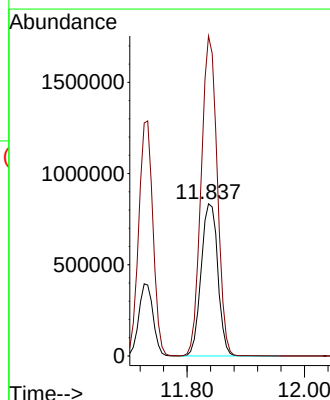
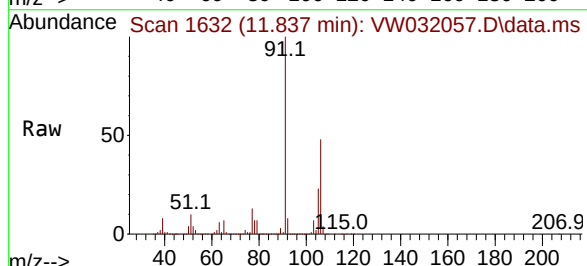
Acq: 11 Aug 2025 11:08

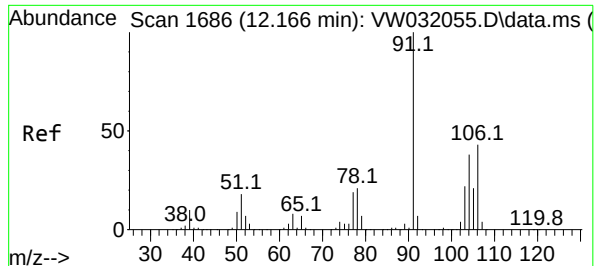
Tgt Ion:106 Resp: 1643338

Ion Ratio Lower Upper

106 100

91 203.0 162.2 243.2





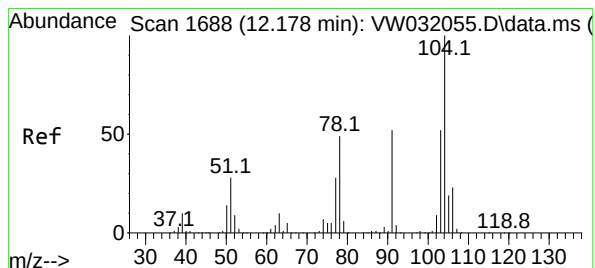
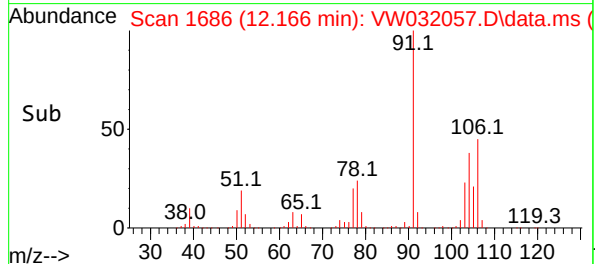
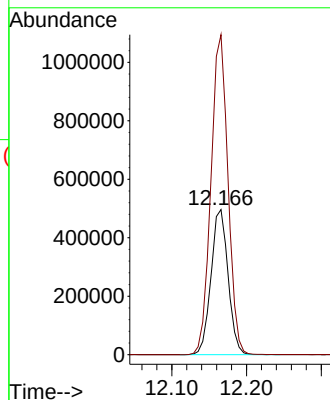
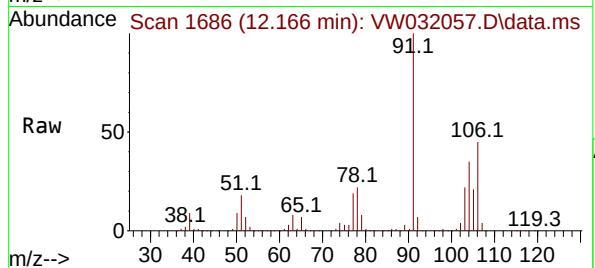
#69
o-Xylene
Concen: 159.450 ug/l
RT: 12.166 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VW032057.D
Acq: 11 Aug 2025 11:08

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Tgt Ion:106 Resp: 78683
Ion Ratio Lower Upper
106 100
91 220.1 110.8 332.3

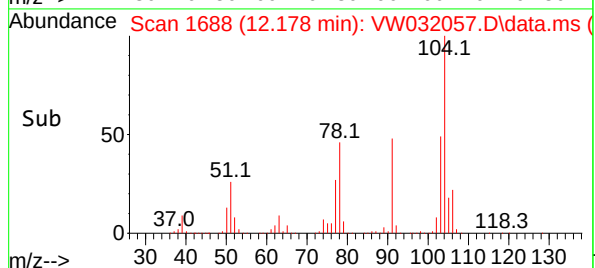
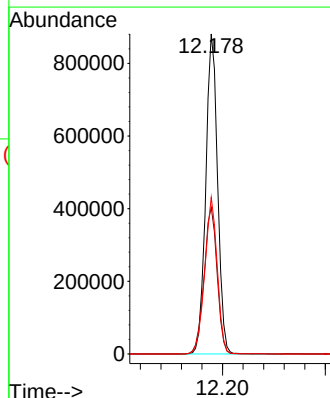
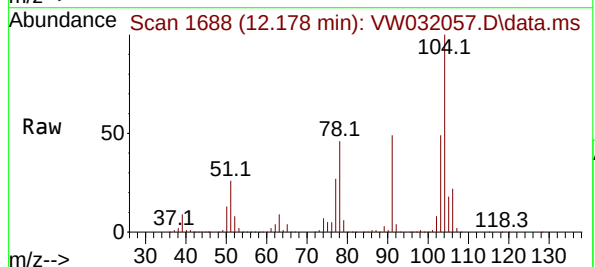
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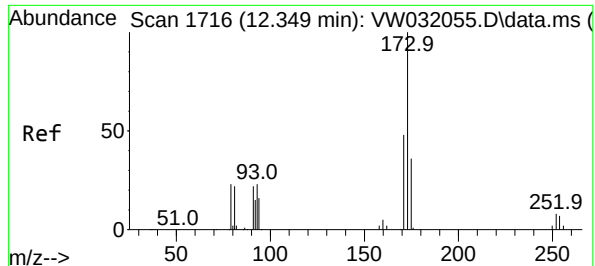
Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025



#70
Styrene
Concen: 160.482 ug/l
RT: 12.178 min Scan# 1688
Delta R.T. -0.000 min
Lab File: VW032057.D
Acq: 11 Aug 2025 11:08

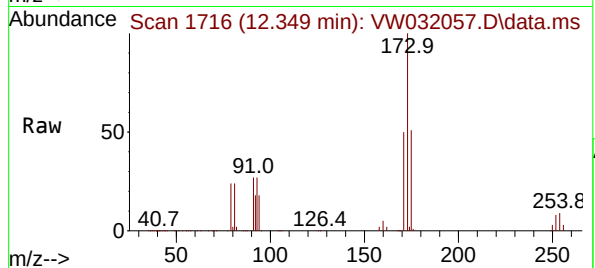
Tgt Ion:104 Resp: 1406640
Ion Ratio Lower Upper
104 100
78 50.4 41.2 61.8
103 51.7 43.8 65.8





#71
Bromoform
Concen: 163.720 ug/l
RT: 12.349 min Scan# 1716
Delta R.T. -0.000 min
Lab File: VW032057.D
Acq: 11 Aug 2025 11:08

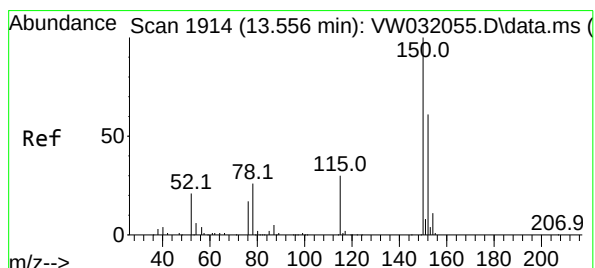
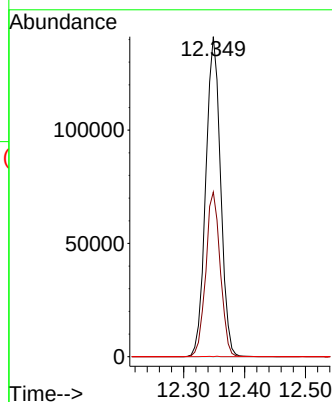
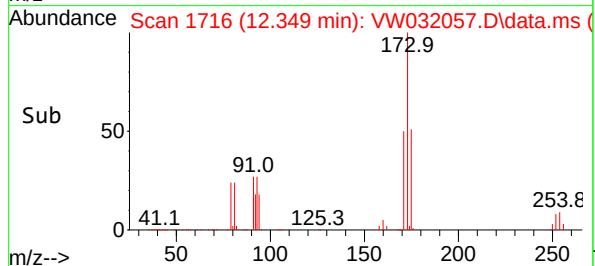
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150



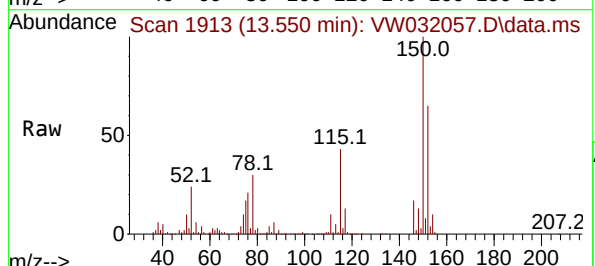
Tgt Ion:173 Resp: 23867
Ion Ratio Lower Upper
173 100
175 50.4 22.9 68.7
254 0.1 0.0 0.0

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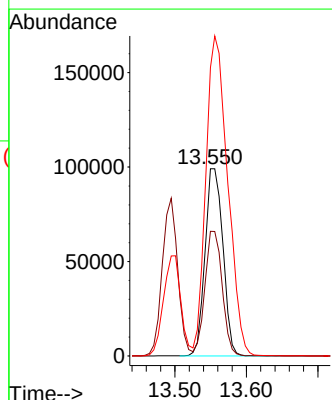
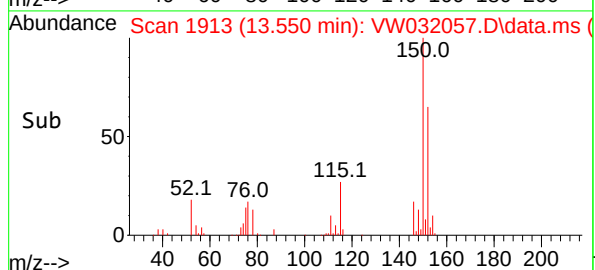
Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025

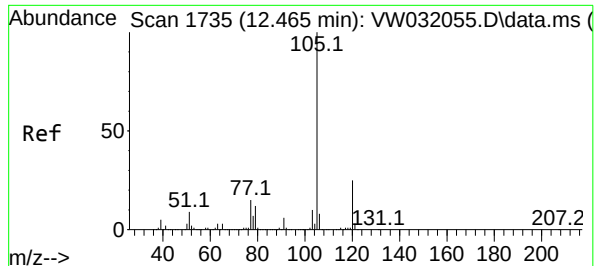


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.550 min Scan# 1913
Delta R.T. -0.006 min
Lab File: VW032057.D
Acq: 11 Aug 2025 11:08



Tgt Ion:152 Resp: 172321
Ion Ratio Lower Upper
152 100
115 64.2 32.6 97.8
150 208.3 0.0 359.4





#73

Isopropylbenzene

Concen: 164.188 ug/l

RT: 12.464 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW032057.D

Acq: 11 Aug 2025 11:08

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tgt Ion:105 Resp: 1977280

Ion Ratio Lower Upper

105 100

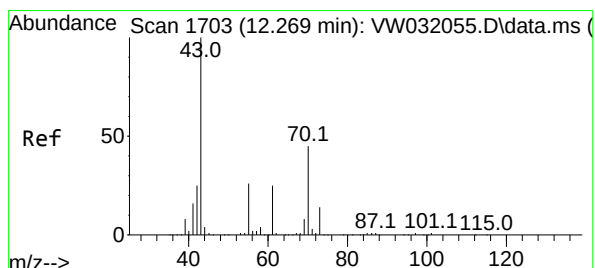
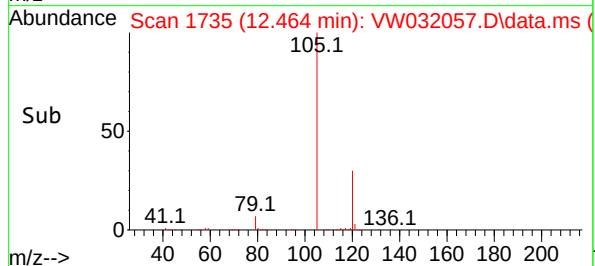
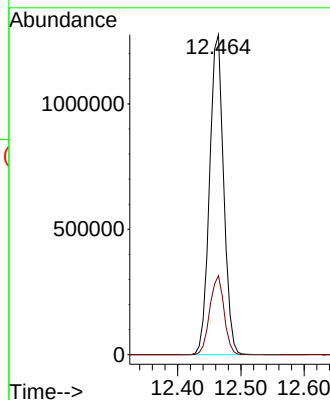
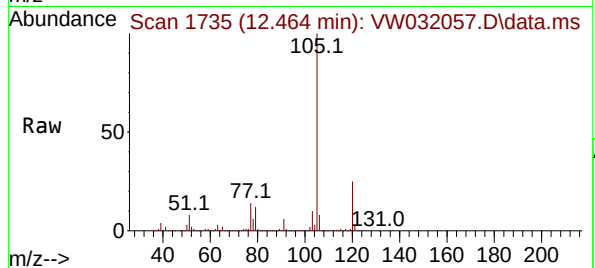
120 25.0 12.8 38.4

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Reviewed By :Mahesh Dadoda 08/12/2025

Supervised By :Semsettin Yesilyurt 08/12/2025



#74

N-ethyl acetate

Concen: 170.556 ug/l

RT: 12.269 min Scan# 1703

Delta R.T. -0.000 min

Lab File: VW032057.D

Acq: 11 Aug 2025 11:08

Tgt Ion: 43 Resp: 589285

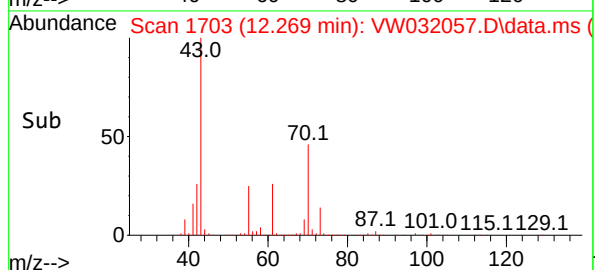
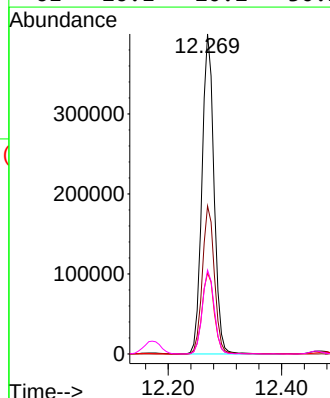
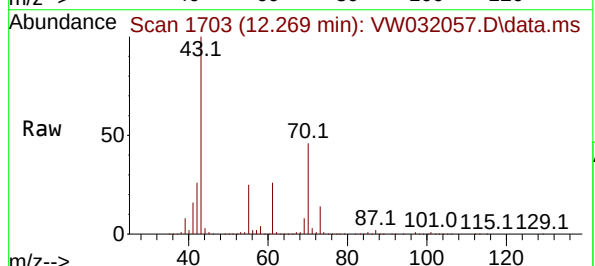
Ion Ratio Lower Upper

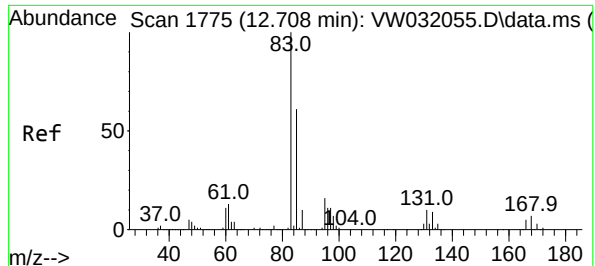
43 100

70 46.3 37.0 55.4

55 25.7 21.1 31.7

61 26.1 20.2 30.2





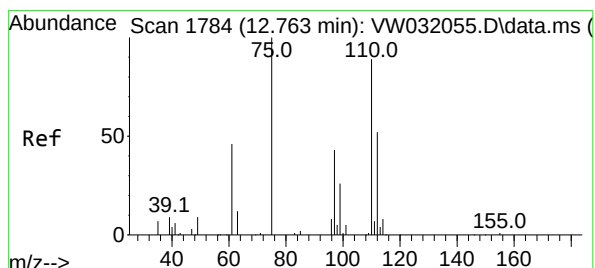
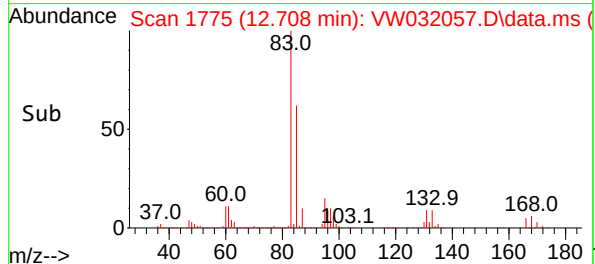
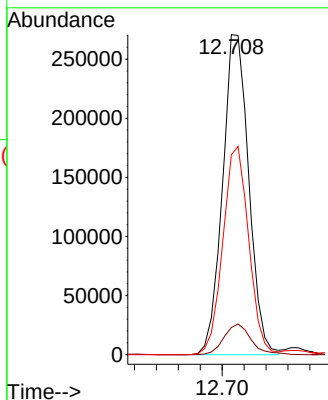
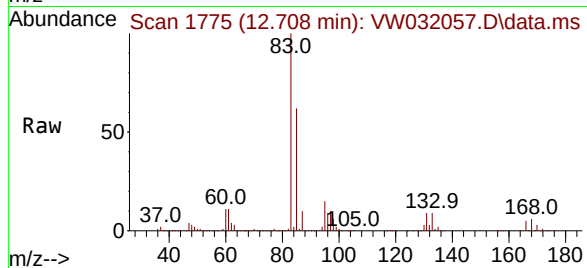
#75
1,1,2,2-Tetrachloroethane
Concen: 157.276 ug/l
RT: 12.708 min Scan# 1775
Delta R.T. -0.000 min
Lab File: VW032057.D
Acq: 11 Aug 2025 11:08

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Tgt Ion: 83 Resp: 449708
Ion Ratio Lower Upper
83 100
131 9.9 5.1 15.4
85 64.1 32.2 96.6

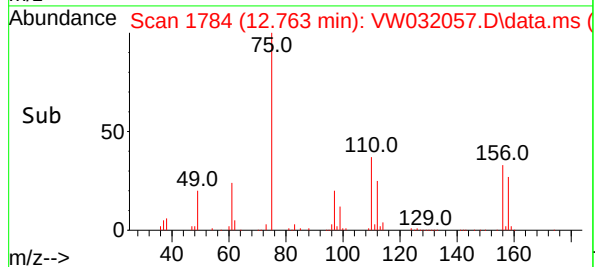
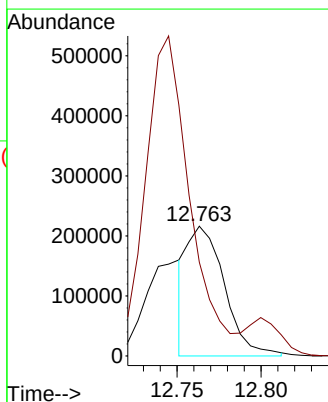
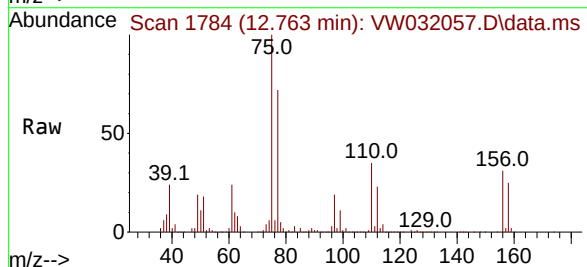
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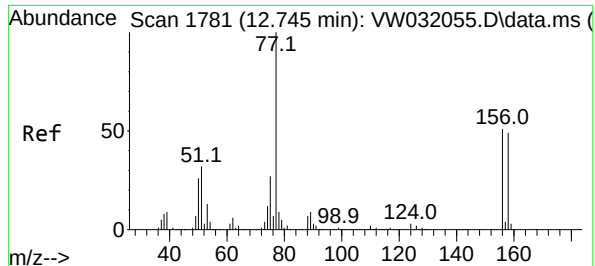
Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025



#76
1,2,3-Trichloropropane
Concen: 126.378 ug/l m
RT: 12.763 min Scan# 1784
Delta R.T. -0.000 min
Lab File: VW032057.D
Acq: 11 Aug 2025 11:08

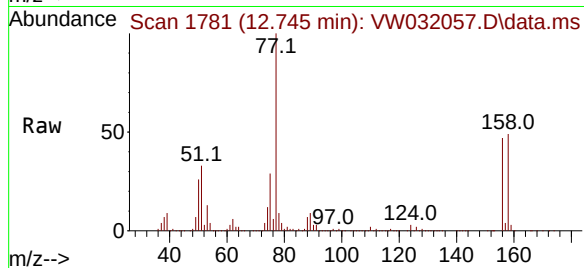
Tgt Ion: 75 Resp: 334775
Ion Ratio Lower Upper
75 100
77 290.3 123.5 370.5





#77
Bromobenzene
Concen: 153.167 ug/l
RT: 12.745 min Scan# 1781
Delta R.T. -0.000 min
Lab File: VW032057.D
Acq: 11 Aug 2025 11:08

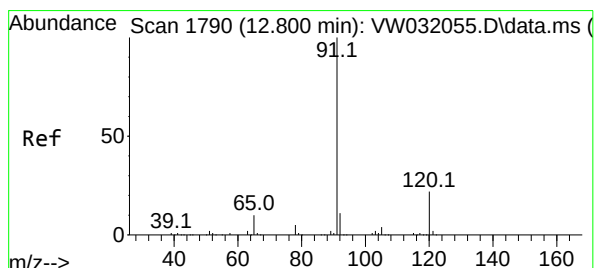
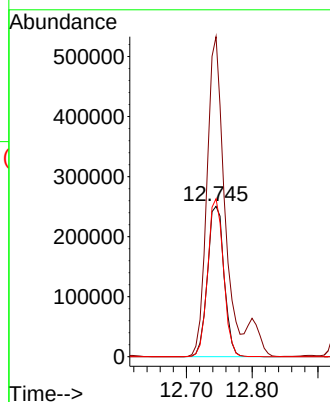
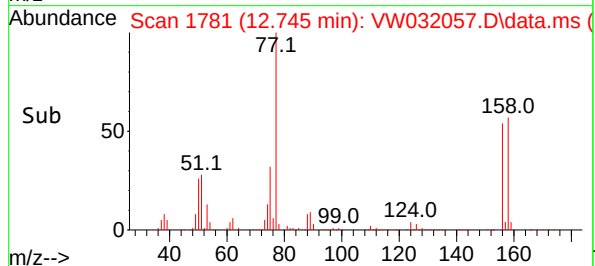
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150



Tgt Ion:156 Resp: 440559
Ion Ratio Lower Upper
156 100
77 220.6 108.7 326.3
158 99.9 48.3 144.9

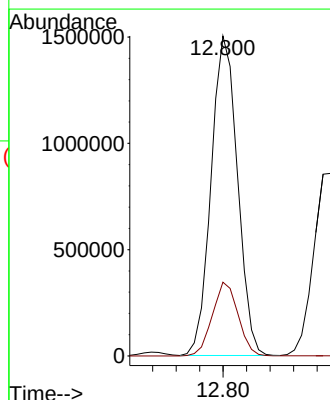
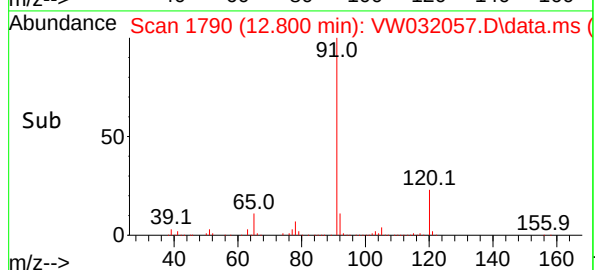
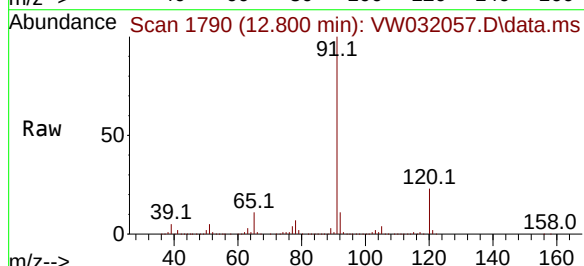
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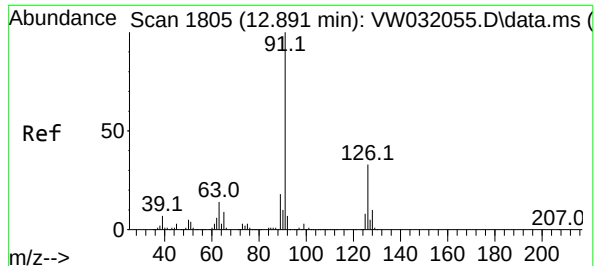
Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025



#78
n-propylbenzene
Concen: 158.253 ug/l
RT: 12.800 min Scan# 1790
Delta R.T. -0.000 min
Lab File: VW032057.D
Acq: 11 Aug 2025 11:08

Tgt Ion: 91 Resp: 2346333
Ion Ratio Lower Upper
91 100
120 22.5 11.1 33.3





#79

2-Chlorotoluene

Concen: 156.820 ug/l

RT: 12.891 min Scan# 1805

Delta R.T. -0.000 min

Lab File: VW032057.D

Acq: 11 Aug 2025 11:08

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC150

Tgt Ion: 91 Resp: 143498

Ion Ratio Lower Upper

91 100

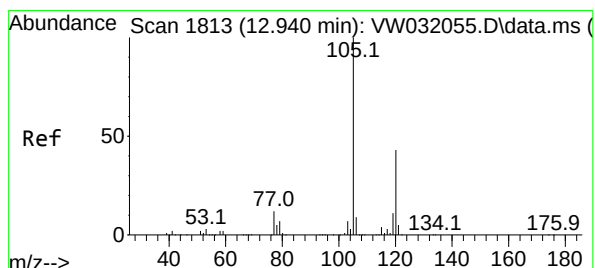
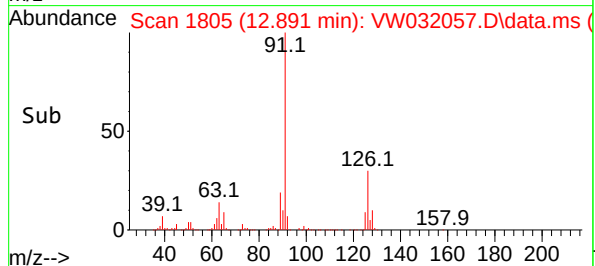
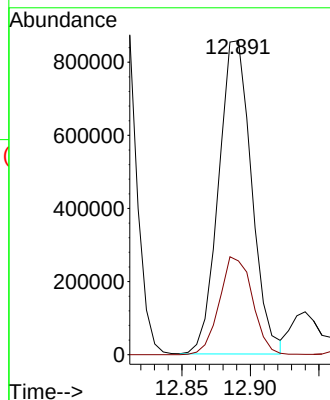
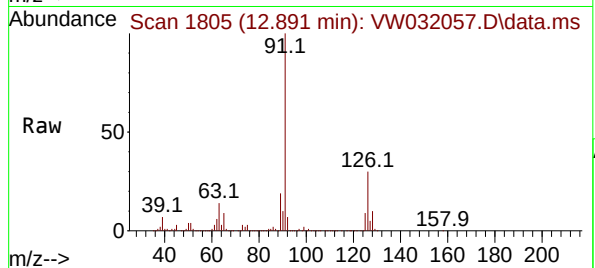
126 31.4 15.9 47.7

Manual Integrations

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Supervised By :Semsettin Yesilyurt 08/12/2025



#80

1,3,5-Trimethylbenzene

Concen: 160.368 ug/l

RT: 12.940 min Scan# 1813

Delta R.T. -0.000 min

Lab File: VW032057.D

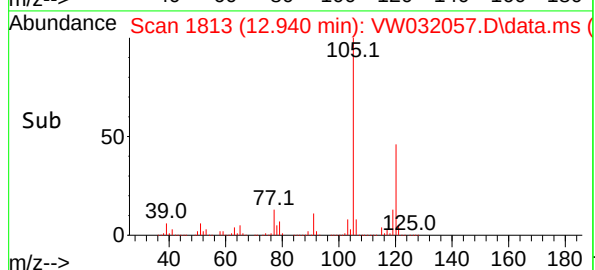
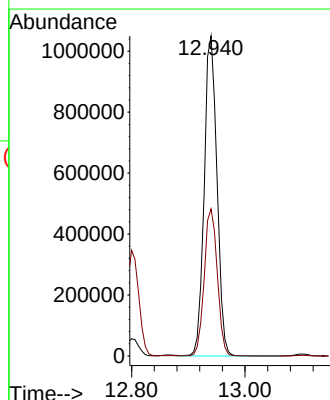
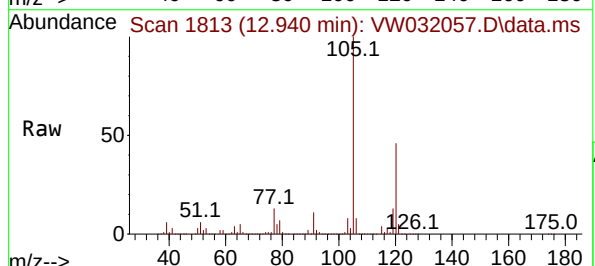
Acq: 11 Aug 2025 11:08

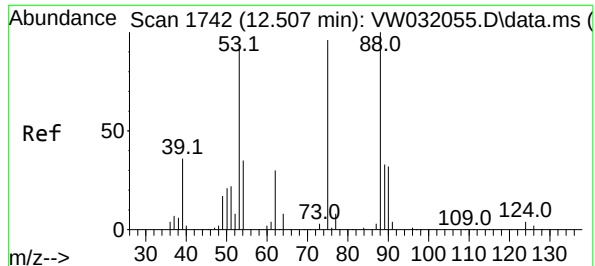
Tgt Ion:105 Resp: 1639597

Ion Ratio Lower Upper

105 100

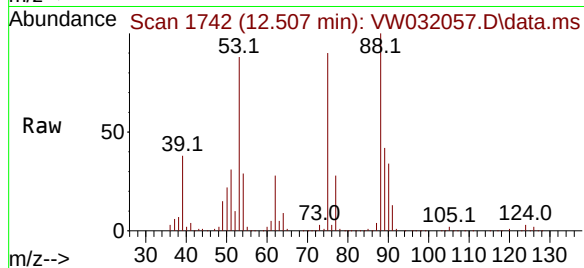
120 47.1 23.4 70.0





#81
trans-1,4-Dichloro-2-butene
Concen: 174.499 ug/l
RT: 12.507 min Scan# 1742
Delta R.T. -0.000 min
Lab File: VW032057.D
Acq: 11 Aug 2025 11:08

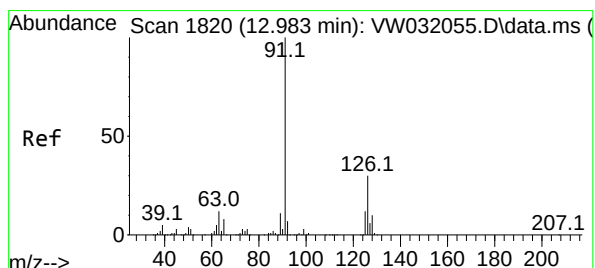
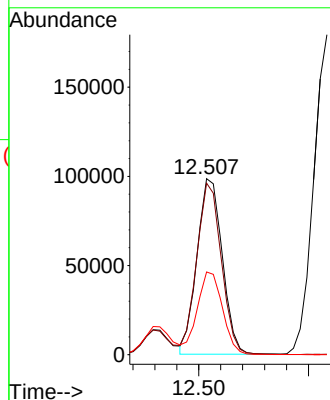
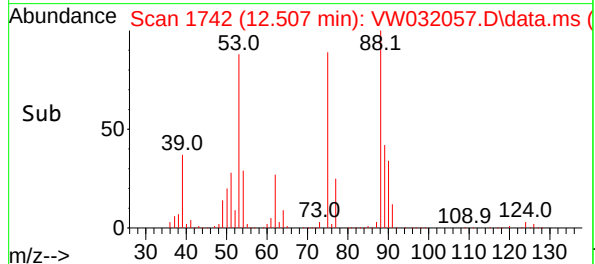
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150



Tgt Ion: 75 Resp: 15764
Ion Ratio Lower Upper
75 100
53 95.9 81.0 121.6
89 47.5 37.3 55.9

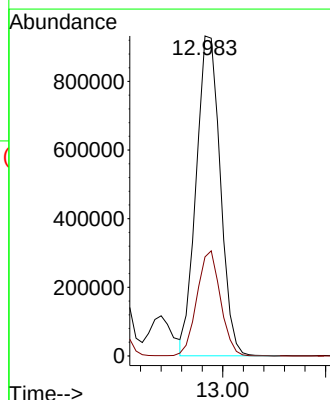
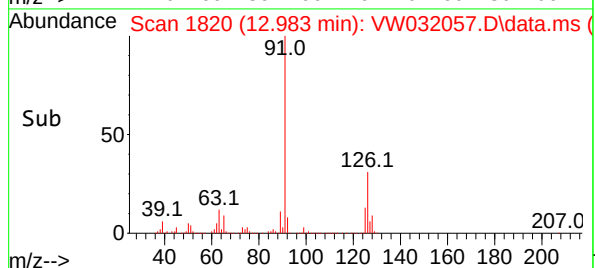
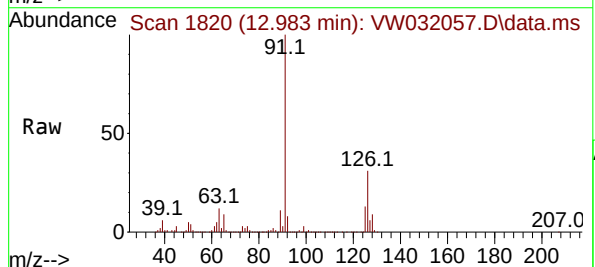
Manual Integrations
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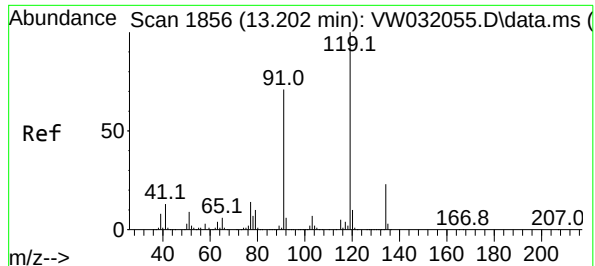
Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025



#82
4-Chlorotoluene
Concen: 155.863 ug/l
RT: 12.983 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VW032057.D
Acq: 11 Aug 2025 11:08

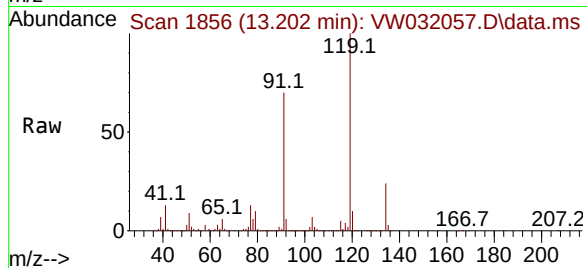
Tgt Ion: 91 Resp: 1515300
Ion Ratio Lower Upper
91 100
126 32.2 15.5 46.5





#83
tert-Butylbenzene
Concen: 163.006 ug/l
RT: 13.202 min Scan# 1856
Delta R.T. -0.000 min
Lab File: VW032057.D
Acq: 11 Aug 2025 11:08

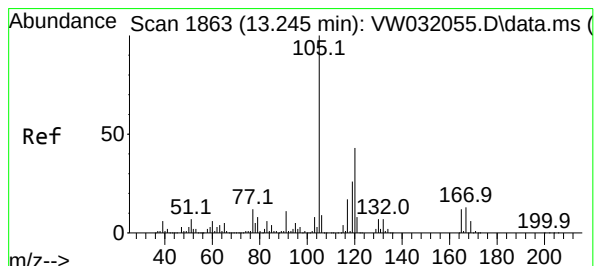
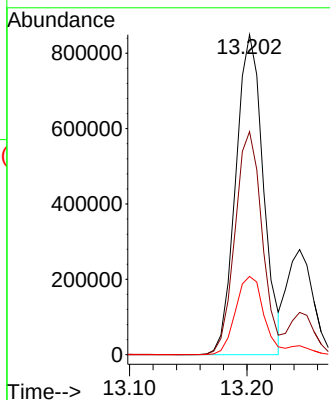
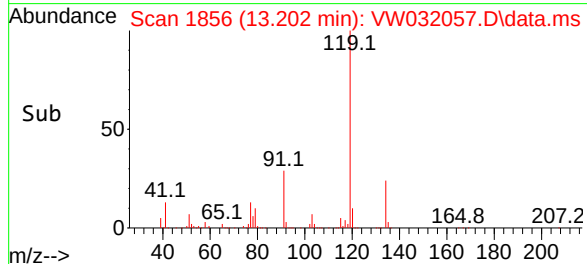
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150



Tgt Ion:119 Resp: 138312
Ion Ratio Lower Upper
119 100
91 68.5 35.3 105.9
134 25.2 12.1 36.3

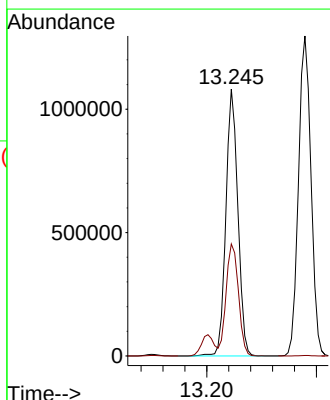
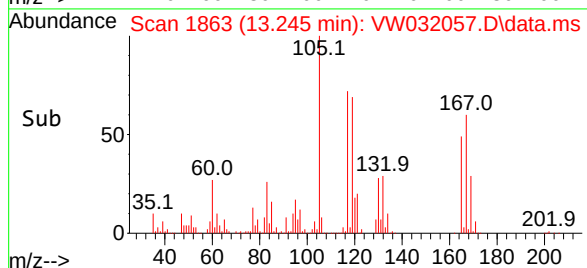
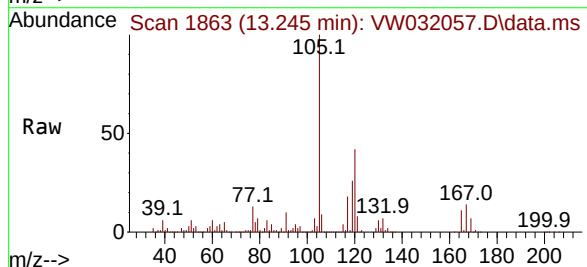
Manual Integrations
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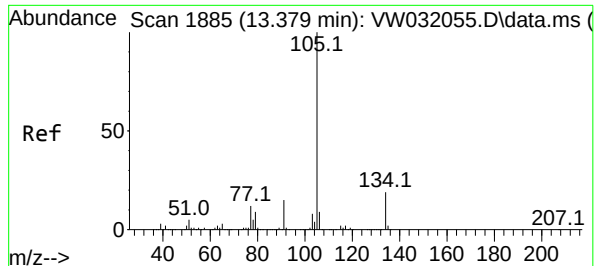
Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025



#84
1,2,4-Trimethylbenzene
Concen: 158.189 ug/l
RT: 13.245 min Scan# 1863
Delta R.T. -0.000 min
Lab File: VW032057.D
Acq: 11 Aug 2025 11:08

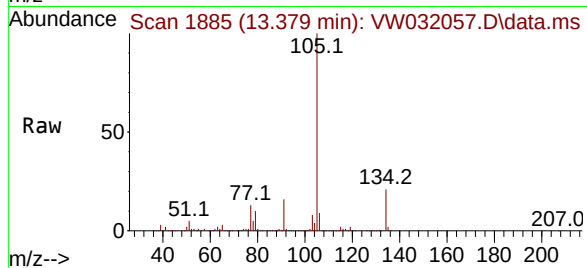
Tgt Ion:105 Resp: 1646381
Ion Ratio Lower Upper
105 100
120 43.2 21.6 64.8





#85
sec-Butylbenzene
Concen: 159.625 ug/l
RT: 13.379 min Scan# 1885
Delta R.T. -0.000 min
Lab File: VW032057.D
Acq: 11 Aug 2025 11:08

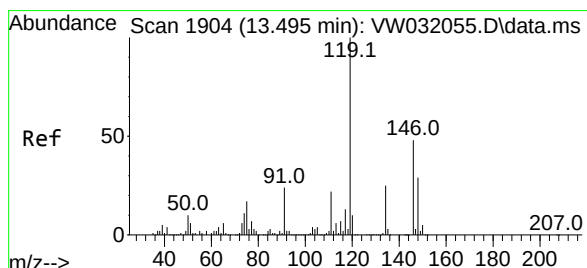
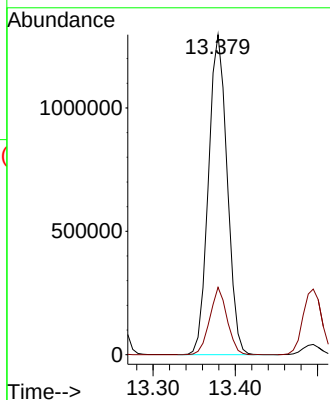
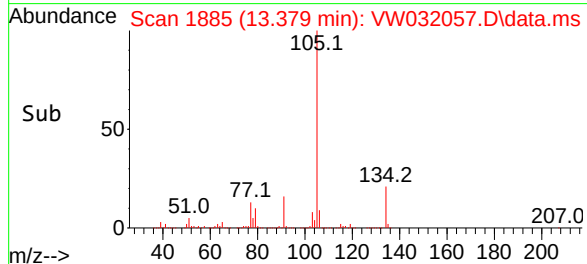
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150



Tgt Ion:105 Resp: 204776
Ion Ratio Lower Upper
105 100
134 19.5 9.9 29.7

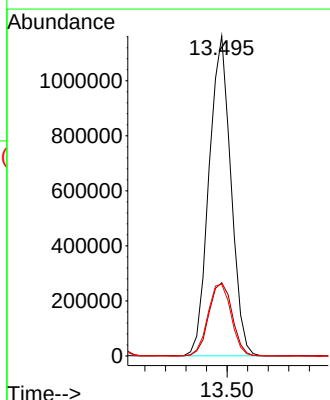
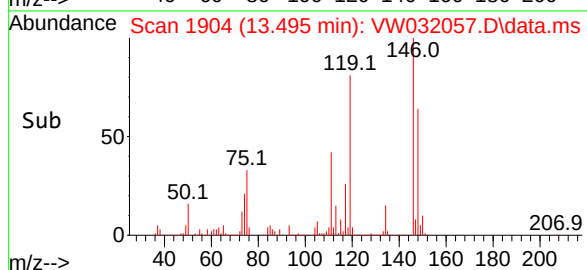
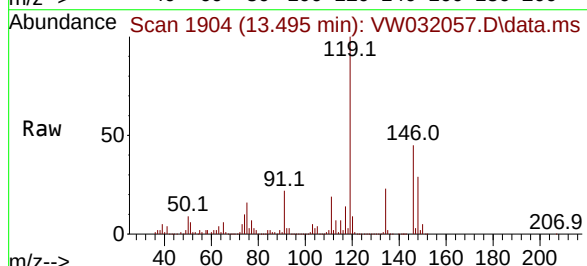
Manual Integrations
APPROVED

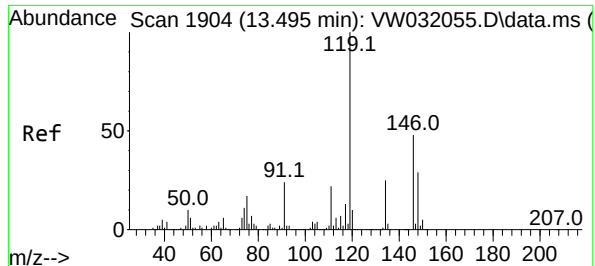
Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025



#86
p-Isopropyltoluene
Concen: 160.127 ug/l
RT: 13.495 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VW032057.D
Acq: 11 Aug 2025 11:08

Tgt Ion:119 Resp: 1712519
Ion Ratio Lower Upper
119 100
134 24.5 12.4 37.0
91 24.0 12.1 36.3





#87

1,3-Dichlorobenzene

Concen: 151.629 ug/l

RT: 13.495 min Scan# 1904

Delta R.T. -0.000 min

Lab File: VW032057.D

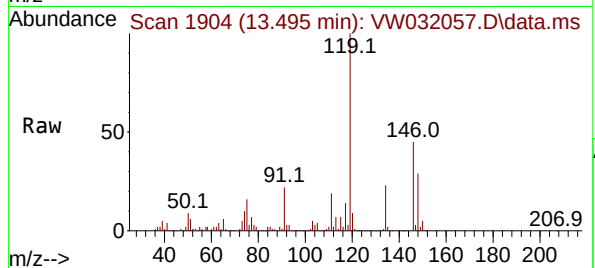
Acq: 11 Aug 2025 11:08

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC150



Tgt Ion:146 Resp: 86782

Ion Ratio Lower Upper

146 100

111 42.9 21.2 63.6

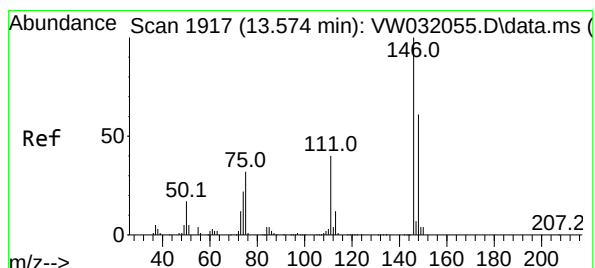
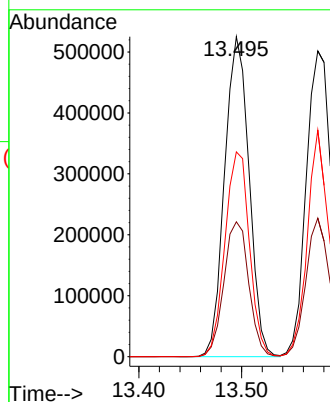
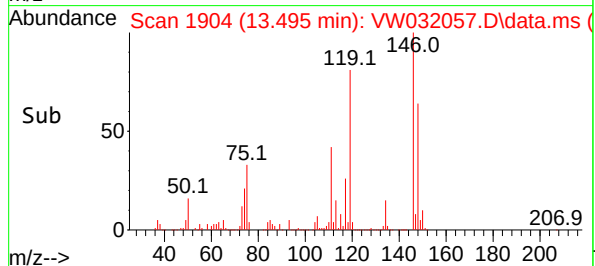
148 64.1 30.3 90.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025

Supervised By :Semsettin Yesilyurt 08/12/2025



#88

1,4-Dichlorobenzene

Concen: 147.144 ug/l

RT: 13.574 min Scan# 1917

Delta R.T. -0.000 min

Lab File: VW032057.D

Acq: 11 Aug 2025 11:08

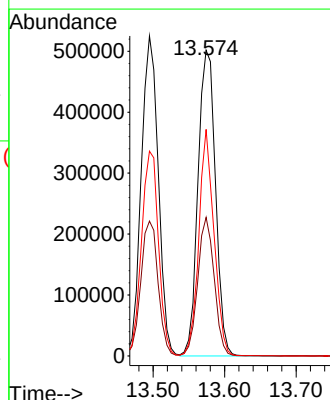
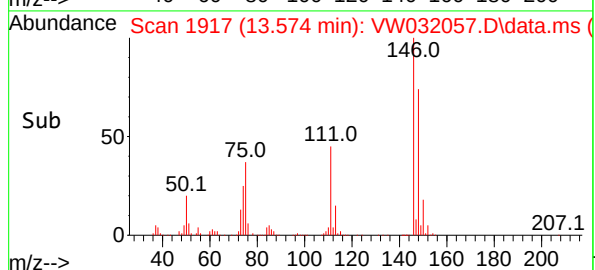
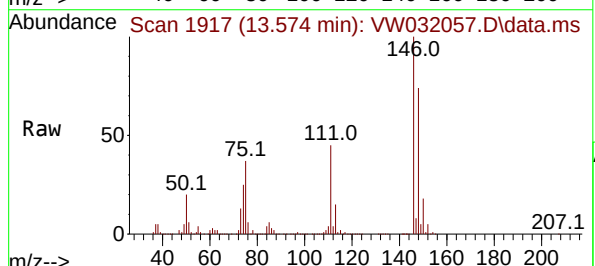
Tgt Ion:146 Resp: 851057

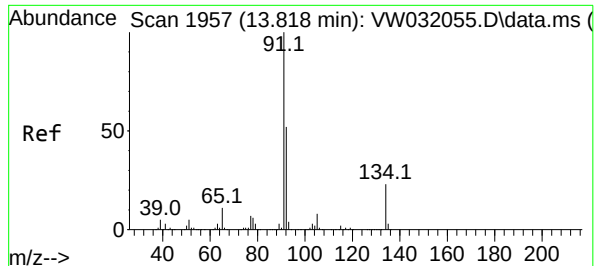
Ion Ratio Lower Upper

146 100

111 42.5 21.6 64.6

148 64.4 32.0 96.2





#89

n-Butylbenzene

Concen: 159.527 ug/l

RT: 13.818 min Scan# 1957

Delta R.T. -0.000 min

Lab File: VW032057.D

Acq: 11 Aug 2025 11:08

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC150

Tgt Ion: 91 Resp: 165749

Ion Ratio Lower Upper

91 100

92 55.4 26.7 80.1

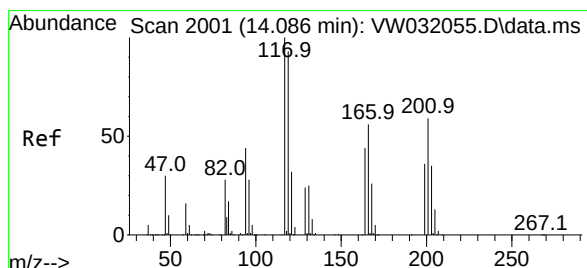
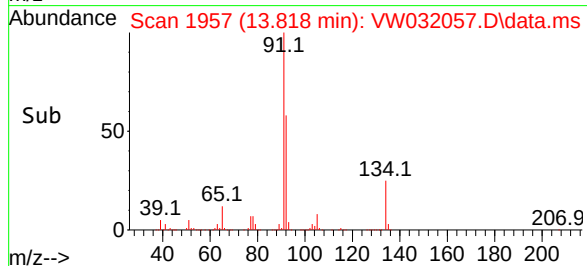
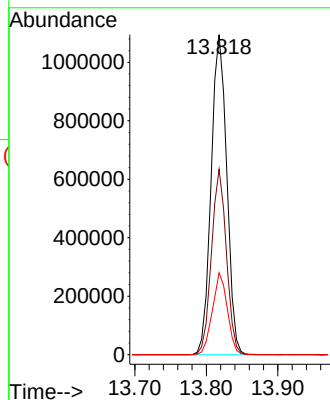
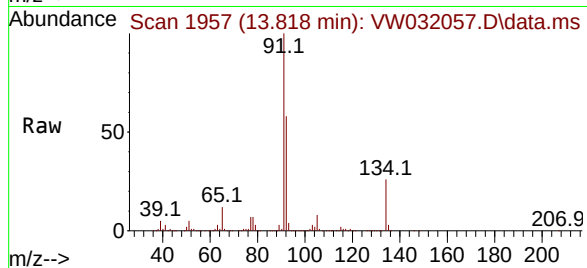
134 24.5 12.0 36.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025

Supervised By :Semsettin Yesilyurt 08/12/2025



#90

Hexachloroethane

Concen: 164.868 ug/l

RT: 14.086 min Scan# 2001

Delta R.T. -0.000 min

Lab File: VW032057.D

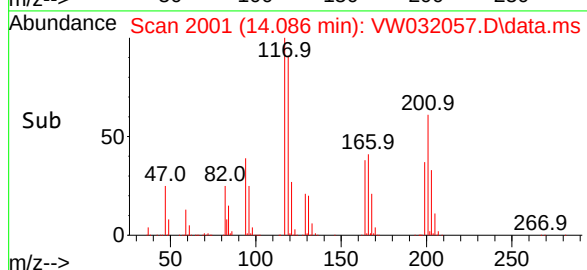
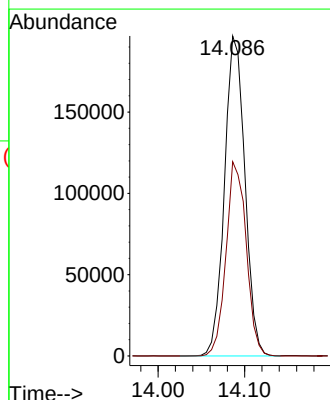
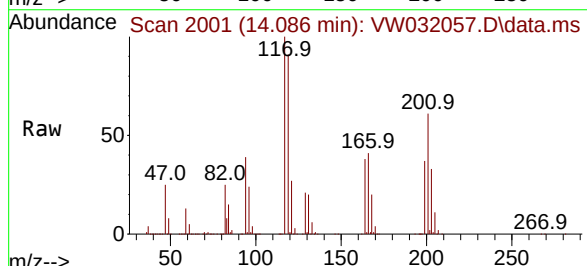
Acq: 11 Aug 2025 11:08

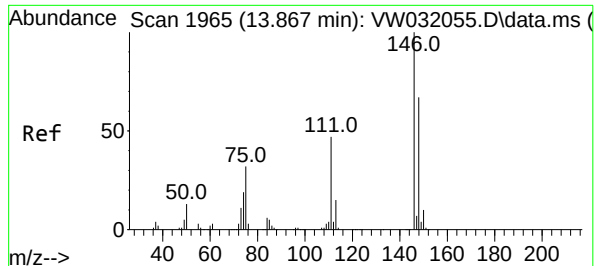
Tgt Ion:117 Resp: 322461

Ion Ratio Lower Upper

117 100

201 60.0 30.9 92.5





#91

1,2-Dichlorobenzene

Concen: 153.968 ug/l

RT: 13.867 min Scan# 1965

Delta R.T. -0.000 min

Lab File: VW032057.D

Acq: 11 Aug 2025 11:08

Instrument :

MSVOA_W

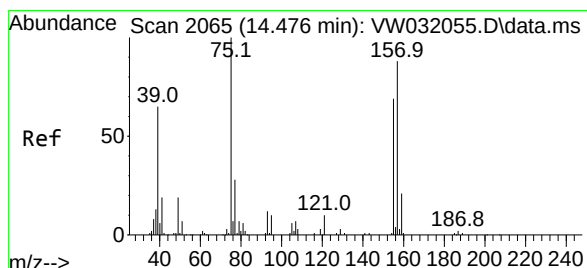
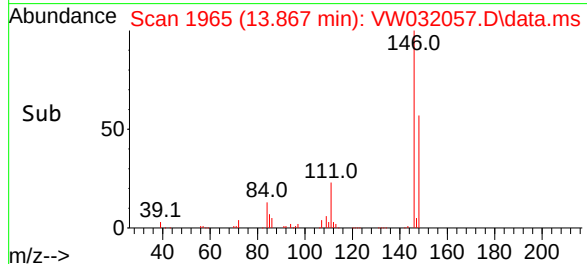
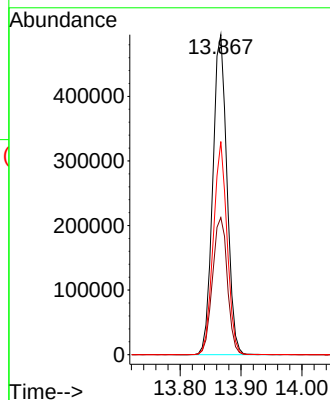
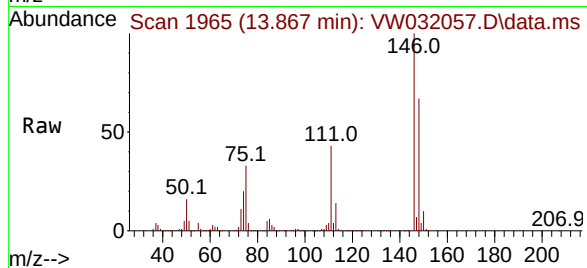
ClientSampleId :

VSTDICC150

Tgt Ion:	146	Resp:	79825
Ion Ratio	Lower	Upper	
146	100		
111	44.9	23.1	69.3
148	64.7	32.9	98.6

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025



#92

1,2-Dibromo-3-Chloropropane

Concen: 159.472 ug/l

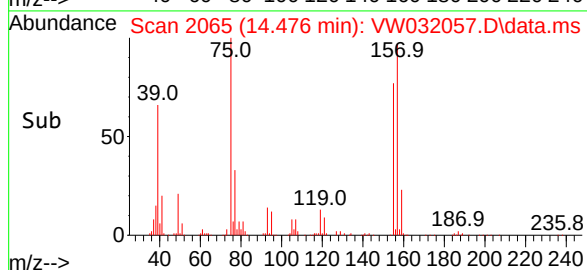
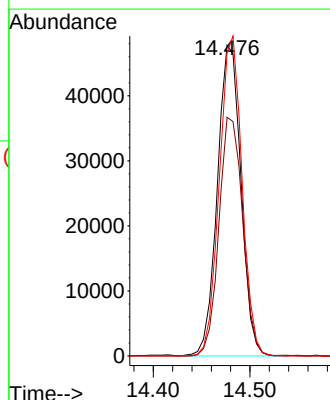
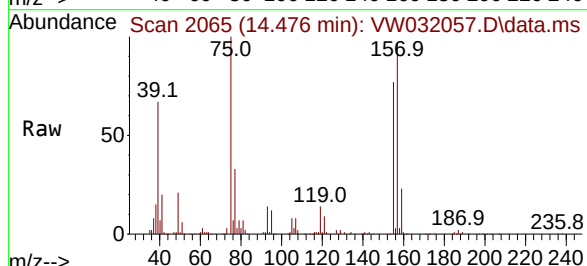
RT: 14.476 min Scan# 2065

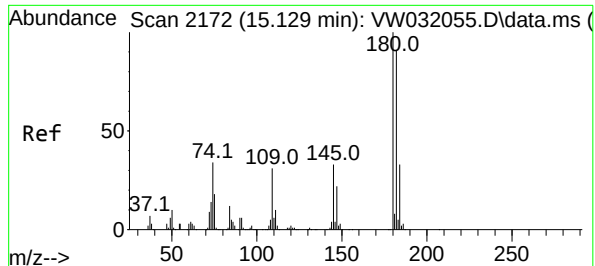
Delta R.T. -0.000 min

Lab File: VW032057.D

Acq: 11 Aug 2025 11:08

Tgt Ion:	75	Resp:	81063
Ion Ratio	Lower	Upper	
75	100		
155	77.0	35.2	105.6
157	98.7	47.5	142.6





#93

1,2,4-Trichlorobenzene

Concen: 161.006 ug/l

RT: 15.123 min Scan# 2171

Delta R.T. -0.006 min

Lab File: VW032057.D

Acq: 11 Aug 2025 11:08

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tgt Ion:180 Resp: 49935

Ion Ratio Lower Upper

180 100

182 95.3 49.0 147.0

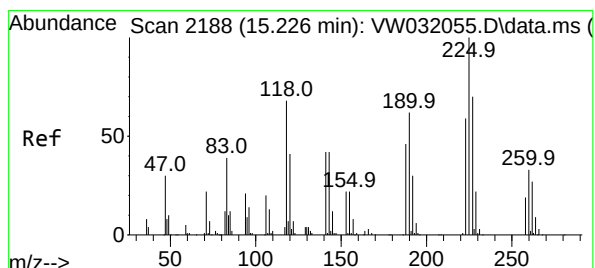
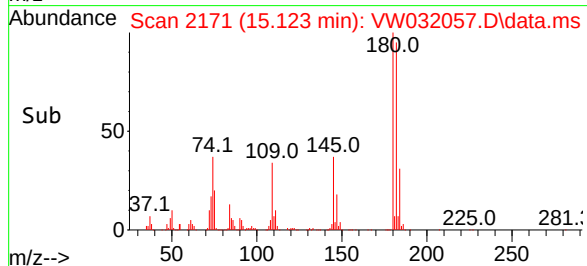
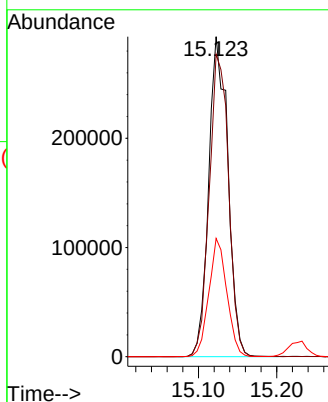
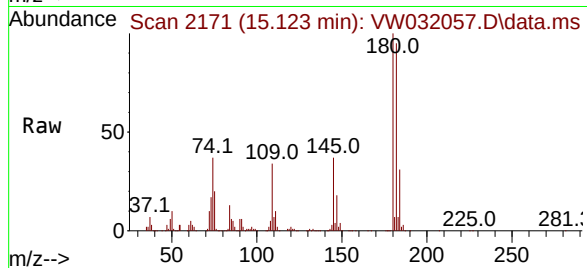
145 34.7 17.3 51.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025

Supervised By :Semsettin Yesilyurt 08/12/2025



#94

Hexachlorobutadiene

Concen: 157.938 ug/l

RT: 15.226 min Scan# 2188

Delta R.T. -0.000 min

Lab File: VW032057.D

Acq: 11 Aug 2025 11:08

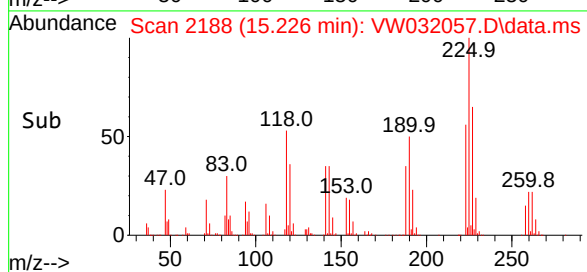
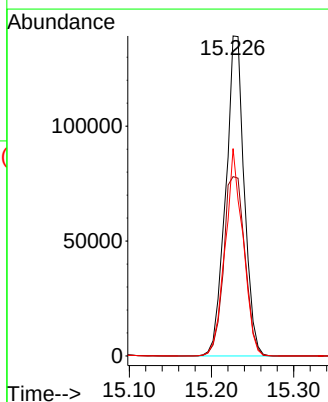
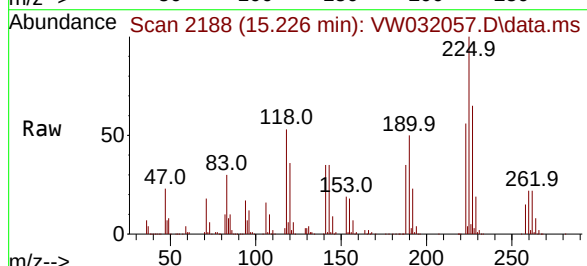
Tgt Ion:225 Resp: 218963

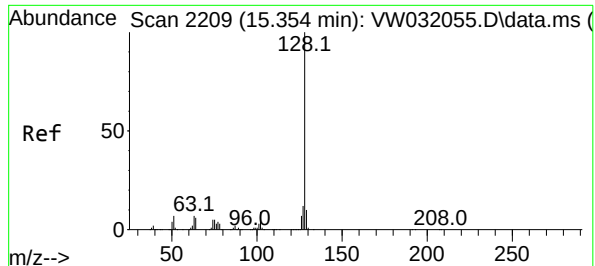
Ion Ratio Lower Upper

225 100

223 64.2 31.8 95.3

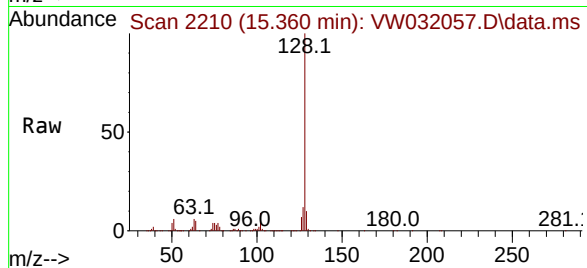
227 62.4 33.5 100.5





#95
Naphthalene
Concen: 177.424 ug/l
RT: 15.360 min Scan# 21
Delta R.T. 0.006 min
Lab File: VW032057.D
Acq: 11 Aug 2025 11:08

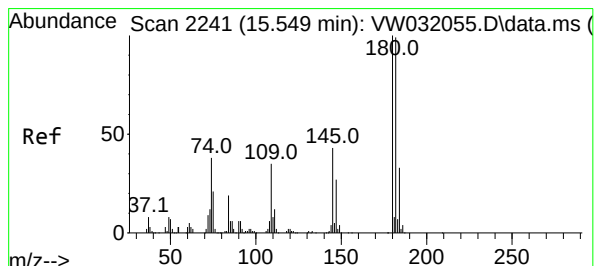
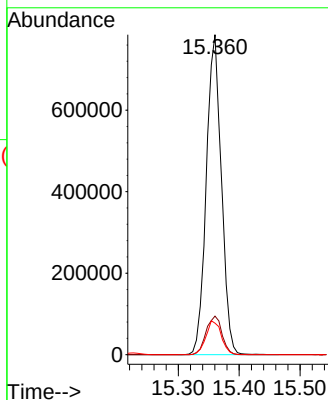
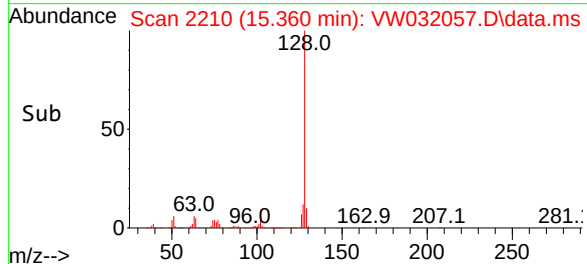
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150



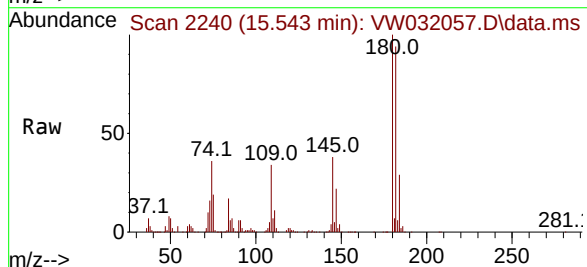
Tgt Ion:128 Resp: 1348344
Ion Ratio Lower Upper
128 100
127 12.8 10.5 15.7
129 10.8 8.2 12.4

Manual Integrations
APPROVED

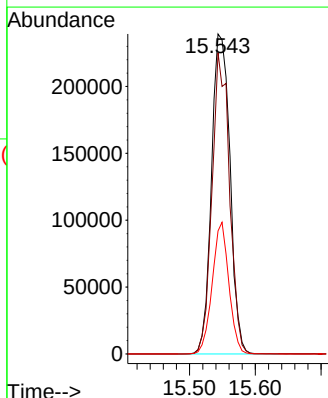
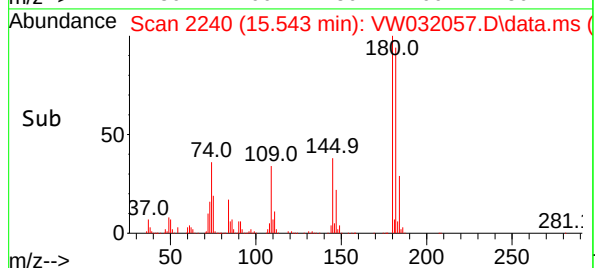
Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025



#96
1,2,3-Trichlorobenzene
Concen: 165.423 ug/l
RT: 15.543 min Scan# 2240
Delta R.T. -0.006 min
Lab File: VW032057.D
Acq: 11 Aug 2025 11:08



Tgt Ion:180 Resp: 466811
Ion Ratio Lower Upper
180 100
182 89.3 46.0 138.0
145 37.2 19.2 57.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081125\
 Data File : VW032059.D
 Acq On : 11 Aug 2025 11:51
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW081125

Manual Integrations APPROVED

Reviewed By : Mahesh Dadoda 08/12/2025
 Supervised By : Semsettin Yesilyurt 08/12/2025

Quant Time: Aug 12 04:12:44 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 12 04:04:48 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.959	168	226453	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	420434	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	386856	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	182577	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	161155	49.205	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery =	98.420%		
35) Dibromofluoromethane	7.898	113	135642	49.939	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery =	99.880%		
50) Toluene-d8	10.325	98	499377	49.708	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery =	99.420%		
62) 4-Bromofluorobenzene	12.617	95	190514	51.460	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery =	102.920%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.040	85	69757	43.069	ug/l	98
3) Chloromethane	2.253	50	103574	47.474	ug/l	100
4) Vinyl Chloride	2.405	62	124287	47.096	ug/l	95
5) Bromomethane	2.820	94	93451	47.201	ug/l	100
6) Chloroethane	2.966	64	83573	47.858	ug/l	97
7) Trichlorofluoromethane	3.308	101	108634	51.386	ug/l	91
8) Diethyl Ether	3.722	74	87261	50.380	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.100	101	118012	47.316	ug/l	99
10) Methyl Iodide	4.307	142	175903	49.742	ug/l	97
11) Tert butyl alcohol	5.210	59	57666	271.910	ug/l	99
12) 1,1-Dichloroethene	4.076	96	131802	47.992	ug/l	97
13) Acrolein	3.929	56	80072	236.960	ug/l	98
14) Allyl chloride	4.710	41	204222	51.094	ug/l	99
15) Acrylonitrile	5.405	53	219409	265.958	ug/l	99
16) Acetone	4.161	43	192802	254.262	ug/l	97
17) Carbon Disulfide	4.423	76	360982	48.970	ug/l	96
18) Methyl Acetate	4.716	43	126246	52.614	ug/l	99
19) Methyl tert-butyl Ether	5.466	73	263546	54.465	ug/l	100
20) Methylene Chloride	4.954	84	162865	46.453	ug/l	96
21) trans-1,2-Dichloroethene	5.466	96	145825	50.035	ug/l	98
22) Diisopropyl ether	6.338	45	438483	52.038	ug/l	97
23) Vinyl Acetate	6.283	43	1494873	270.210	ug/l	100
24) 1,1-Dichloroethane	6.246	63	265060	49.234	ug/l	98
25) 2-Butanone	7.191	43	293227	272.083	ug/l	96
26) 2,2-Dichloropropane	7.185	77	134123	49.659	ug/l	100
27) cis-1,2-Dichloroethene	7.185	96	175120	51.404	ug/l	98
28) Bromochloromethane	7.532	49	123268	50.315	ug/l	98
29) Tetrahydrofuran	7.551	42	194909	274.235	ug/l	100
30) Chloroform	7.691	83	284250	49.803	ug/l	98
31) Cyclohexane	7.971	56	217714	46.646	ug/l	98
32) 1,1,1-Trichloroethane	7.886	97	207733	50.108	ug/l	97
36) 1,1-Dichloropropene	8.093	75	189820	49.574	ug/l	100
37) Ethyl Acetate	7.270	43	124516	55.214	ug/l	99
38) Carbon Tetrachloride	8.081	117	184816	50.015	ug/l	98
39) Methylcyclohexane	9.343	83	243533	52.181	ug/l	98
40) Benzene	8.337	78	598350	50.272	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081125\
 Data File : VW032059.D
 Acq On : 11 Aug 2025 11:51
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW081125

Quant Time: Aug 12 04:12:44 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 12 04:04:48 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025
 Supervised By :Semsettin Yesilyurt 08/12/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.502	41	70600	55.204	ug/l	97
42) 1,2-Dichloroethane	8.410	62	194825	51.154	ug/l	99
43) Isopropyl Acetate	8.435	43	227561	54.846	ug/l	99
44) Trichloroethene	9.099	130	139383	49.175	ug/l	99
45) 1,2-Dichloropropane	9.374	63	147807	51.403	ug/l	99
46) Dibromomethane	9.465	93	93713	50.497	ug/l	98
47) Bromodichloromethane	9.648	83	221409	51.775	ug/l	100
48) Methyl methacrylate	9.441	41	110265	55.048	ug/l	98
49) 1,4-Dioxane	9.459	88	27718	1155.151	ug/l #	83
51) 4-Methyl-2-Pentanone	10.215	43	645391	275.585	ug/l	100
52) Toluene	10.392	92	377919	50.410	ug/l	96
53) t-1,3-Dichloropropene	10.611	75	212772	53.108	ug/l	99
54) cis-1,3-Dichloropropene	10.075	75	238970	52.577	ug/l	98
55) 1,1,2-Trichloroethane	10.788	97	127536	51.716	ug/l	97
56) Ethyl methacrylate	10.648	69	186039	56.374	ug/l	99
57) 1,3-Dichloropropane	10.934	76	220027	51.186	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.928	63	498131	272.893	ug/l	99
59) 2-Hexanone	10.971	43	457083	281.817	ug/l	100
60) Dibromochloromethane	11.129	129	147264	52.276	ug/l	100
61) 1,2-Dibromoethane	11.239	107	126064	52.603	ug/l	100
64) Tetrachloroethene	10.861	164	114507	51.245	ug/l	95
65) Chlorobenzene	11.660	112	416485	49.461	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.733	131	132212	50.324	ug/l	98
67) Ethyl Benzene	11.727	91	716757	50.253	ug/l	100
68) m/p-Xylenes	11.837	106	559216	101.607	ug/l	99
69) o-Xylene	12.160	106	261548	51.416	ug/l	98
70) Styrene	12.178	104	468335	51.833	ug/l	99
71) Bromoform	12.349	173	82571	54.945	ug/l #	98
73) Isopropylbenzene	12.458	105	670779	52.571	ug/l	99
74) N-amyl acetate	12.269	43	203837	55.682	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.714	83	159092	52.514	ug/l	99
76) 1,2,3-Trichloropropane	12.763	75	119168m	48.091	ug/l	
77) Bromobenzene	12.745	156	152028	49.886	ug/l	94
78) n-propylbenzene	12.800	91	803474	51.148	ug/l	99
79) 2-Chlorotoluene	12.885	91	495562	51.114	ug/l	99
80) 1,3,5-Trimethylbenzene	12.940	105	566437	52.291	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.507	75	51275	53.570	ug/l	97
82) 4-Chlorotoluene	12.989	91	518248	50.312	ug/l	99
83) tert-Butylbenzene	13.202	119	483459	53.777	ug/l	97
84) 1,2,4-Trimethylbenzene	13.245	105	587831	53.308	ug/l	99
85) sec-Butylbenzene	13.379	105	687367	50.571	ug/l	100
86) p-Isopropyltoluene	13.495	119	584473	51.580	ug/l	99
87) 1,3-Dichlorobenzene	13.495	146	305044	50.304	ug/l	95
88) 1,4-Dichlorobenzene	13.574	146	306047	49.942	ug/l	97
89) n-Butylbenzene	13.818	91	571978	51.958	ug/l	98
90) Hexachloroethane	14.092	117	104295	50.329	ug/l	95
91) 1,2-Dichlorobenzene	13.867	146	279745	50.926	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.482	75	29014	53.872	ug/l	98
93) 1,2,4-Trichlorobenzene	15.123	180	173386	52.764	ug/l	90
94) Hexachlorobutadiene	15.226	225	75299	51.262	ug/l	92
95) Naphthalene	15.360	128	438139	54.415	ug/l	99
96) 1,2,3-Trichlorobenzene	15.549	180	162431	54.327	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081125\
Data File : VW032059.D
Acq On : 11 Aug 2025 11:51
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ICVW081125

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025

Quant Time: Aug 12 04:12:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 12 04:04:48 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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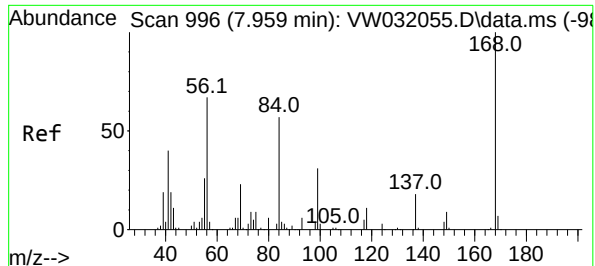
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Instrument :
MSVOA_W
ClientSampleId :
ICVVW081125

Manual Integrations APPROVED

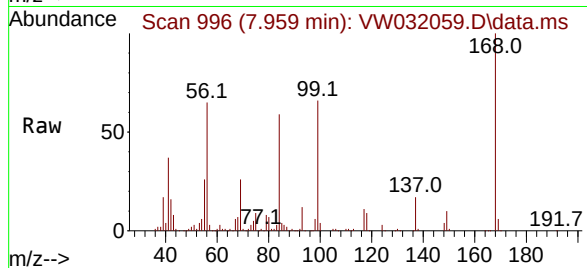
Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 996
Delta R.T. 0.000 min
Lab File: VW032059.D
Acq: 11 Aug 2025 11:51

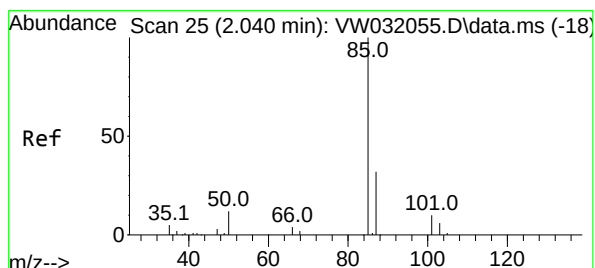
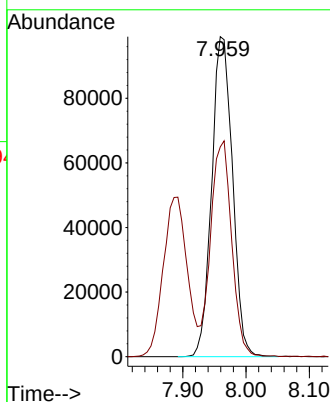
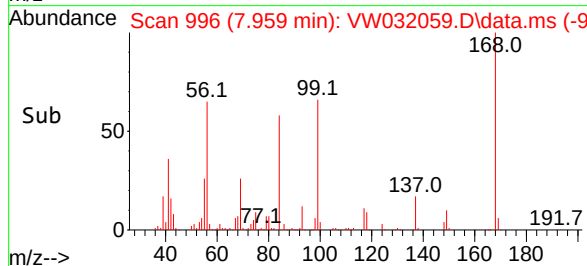
Instrument :
MSVOA_W
ClientSampleId :
ICVW081125



Tgt Ion: 168 Resp: 22645
Ion Ratio Lower Upper
168 100
99 65.5 56.0 84.0

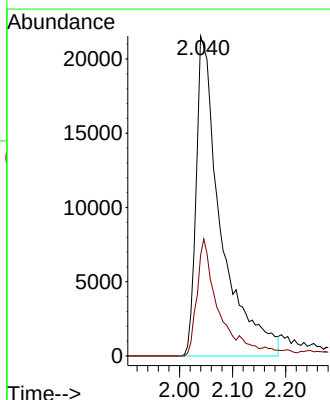
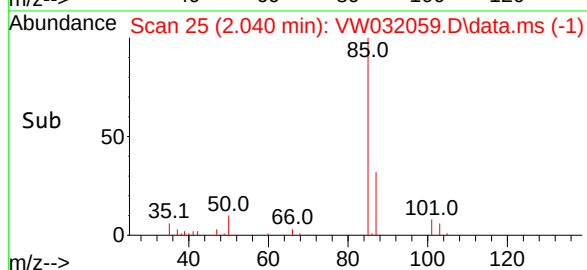
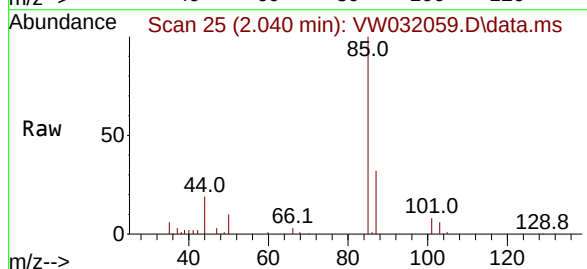
Manual Integrations
APPROVED

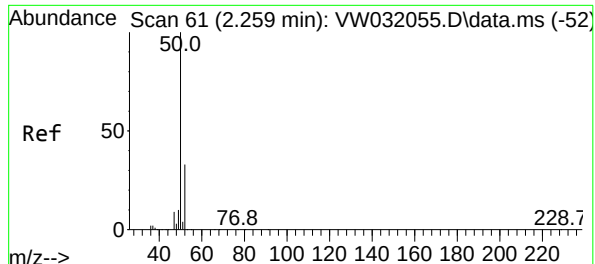
Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025



#2
Dichlorodifluoromethane
Concen: 43.069 ug/l
RT: 2.040 min Scan# 25
Delta R.T. -0.000 min
Lab File: VW032059.D
Acq: 11 Aug 2025 11:51

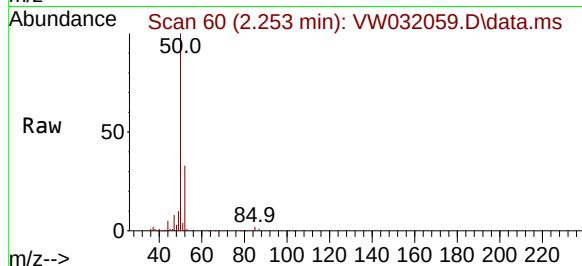
Tgt Ion: 85 Resp: 69757
Ion Ratio Lower Upper
85 100
87 31.5 16.2 48.6





#3
Chloromethane
Concen: 47.474 ug/l
RT: 2.253 min Scan# 60
Delta R.T. -0.006 min
Lab File: VW032059.D
Acq: 11 Aug 2025 11:51

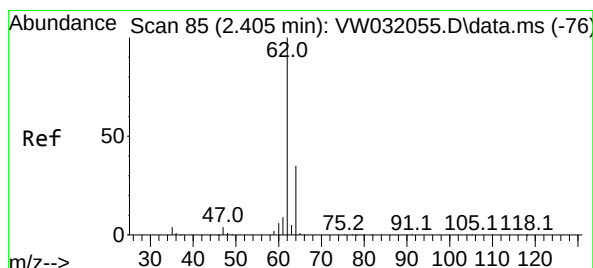
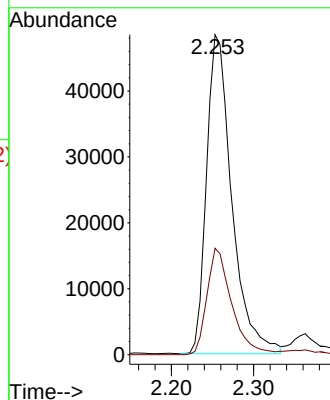
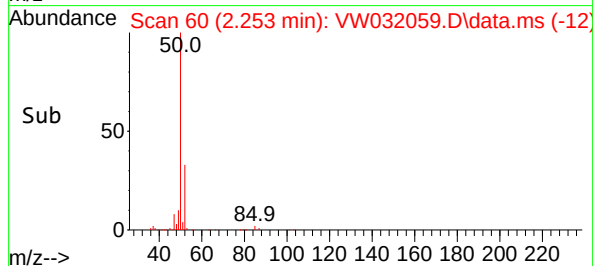
Instrument :
MSVOA_W
ClientSampleId :
ICVW081125



Tgt Ion: 50 Resp: 103574
Ion Ratio Lower Upper
50 100
52 33.3 26.6 39.8

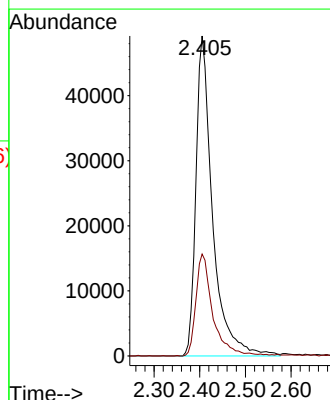
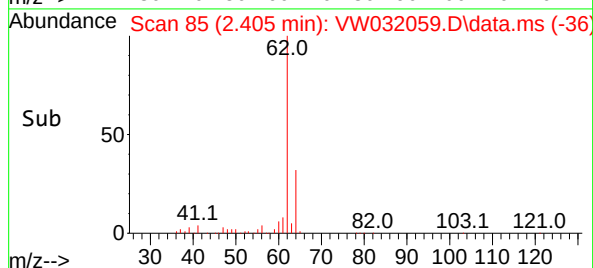
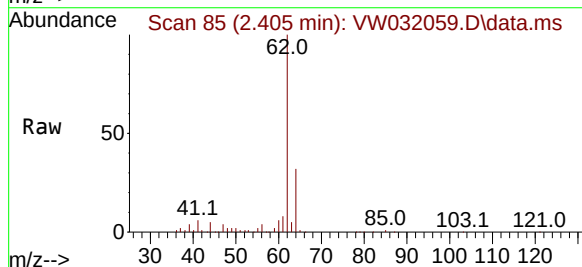
Manual Integrations
APPROVED

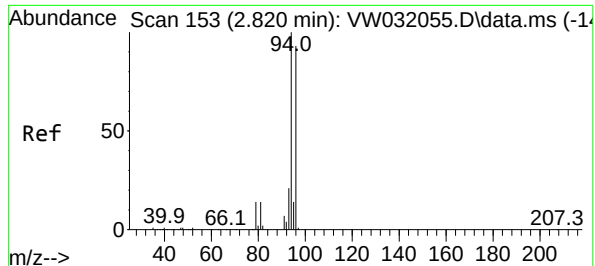
Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025



#4
Vinyl Chloride
Concen: 47.096 ug/l
RT: 2.405 min Scan# 85
Delta R.T. -0.000 min
Lab File: VW032059.D
Acq: 11 Aug 2025 11:51

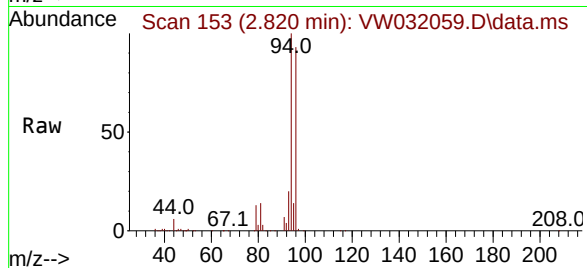
Tgt Ion: 62 Resp: 124287
Ion Ratio Lower Upper
62 100
64 31.9 27.8 41.6





#5
Bromomethane
Concen: 47.201 ug/l
RT: 2.820 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW032059.D
Acq: 11 Aug 2025 11:51

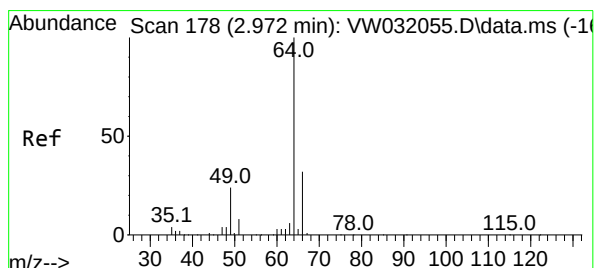
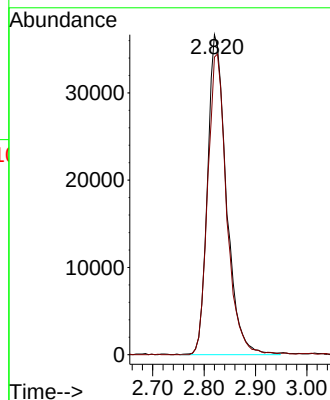
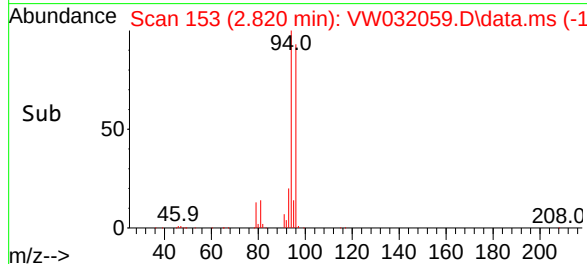
Instrument :
MSVOA_W
ClientSampleId :
ICVW081125



Tgt Ion: 94 Resp: 9345
Ion Ratio Lower Upper
94 100
96 93.0 74.7 112.1

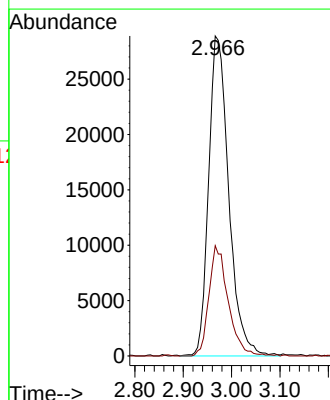
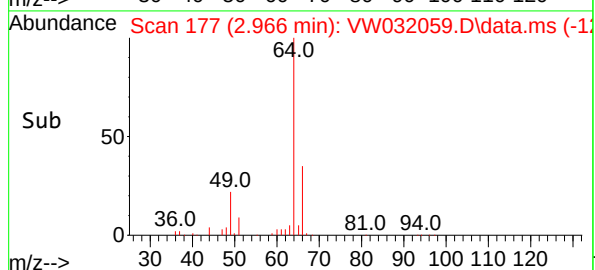
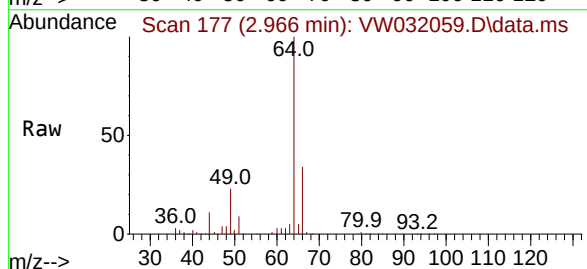
Manual Integrations
APPROVED

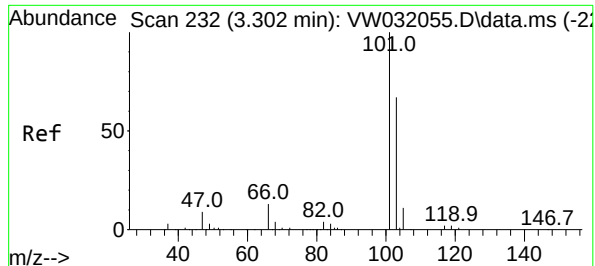
Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025



#6
Chloroethane
Concen: 47.858 ug/l
RT: 2.966 min Scan# 177
Delta R.T. -0.006 min
Lab File: VW032059.D
Acq: 11 Aug 2025 11:51

Tgt Ion: 64 Resp: 83573
Ion Ratio Lower Upper
64 100
66 34.4 26.0 39.0





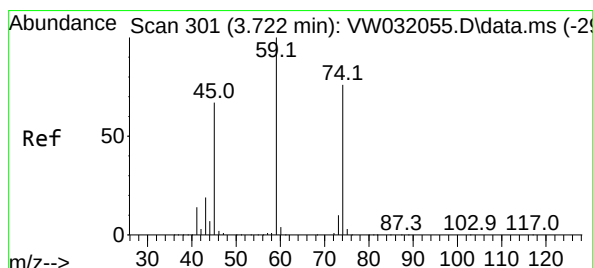
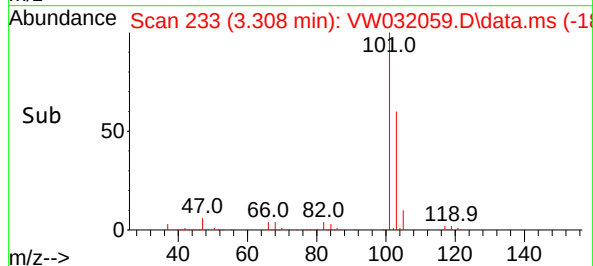
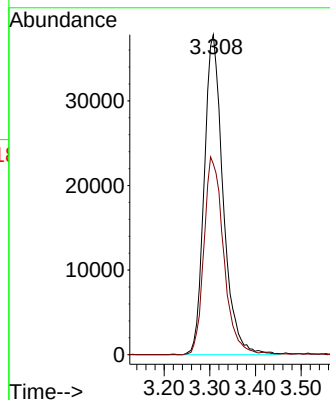
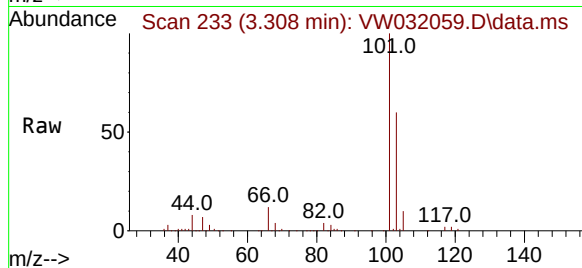
#7
Trichlorofluoromethane
Concen: 51.386 ug/l
RT: 3.308 min Scan# 21
Delta R.T. 0.006 min
Lab File: VW032059.D
Acq: 11 Aug 2025 11:51

Instrument :
MSVOA_W
ClientSampleId :
ICVW081125

Tgt Ion:101 Resp: 108634
Ion Ratio Lower Upper
101 100
103 59.6 53.4 80.0

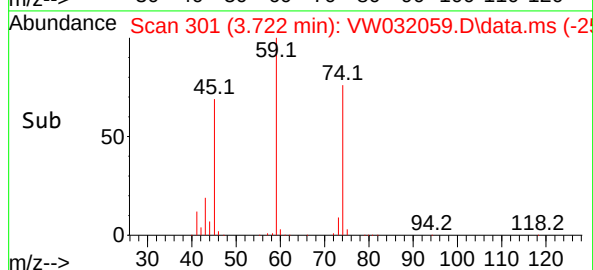
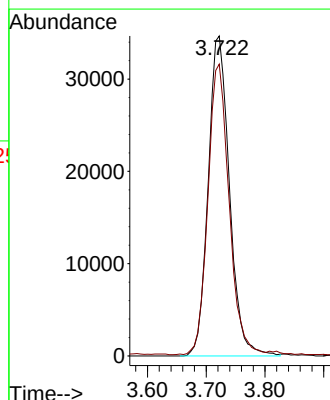
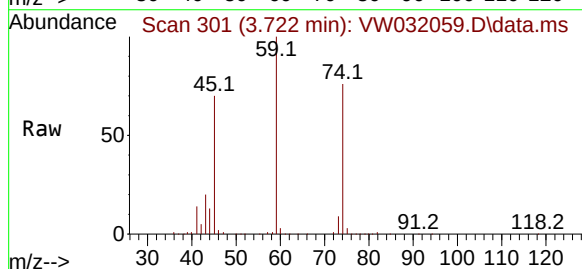
Manual Integrations
APPROVED

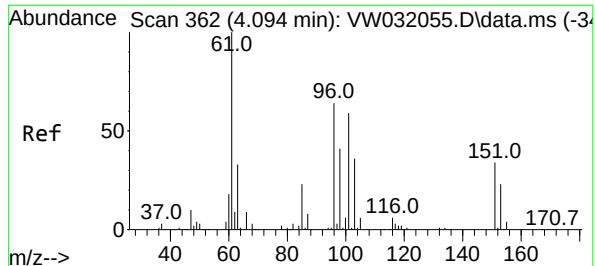
Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025



#8
Diethyl Ether
Concen: 50.380 ug/l
RT: 3.722 min Scan# 301
Delta R.T. -0.000 min
Lab File: VW032059.D
Acq: 11 Aug 2025 11:51

Tgt Ion: 74 Resp: 87261
Ion Ratio Lower Upper
74 100
45 90.2 45.4 136.2





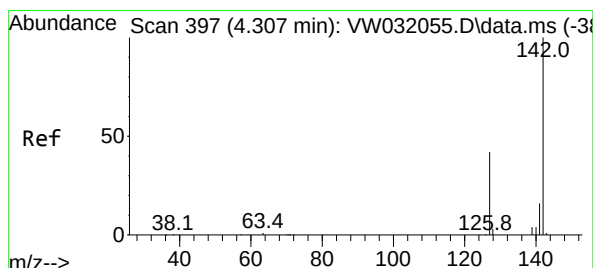
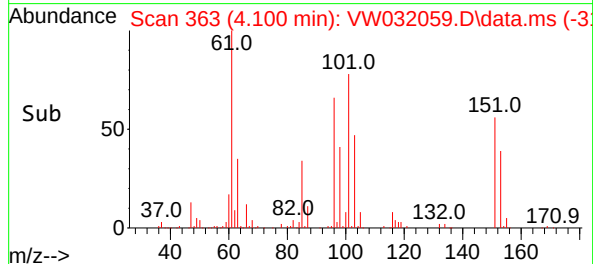
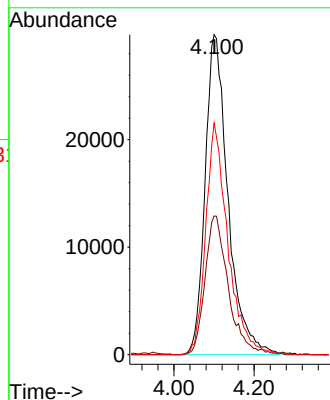
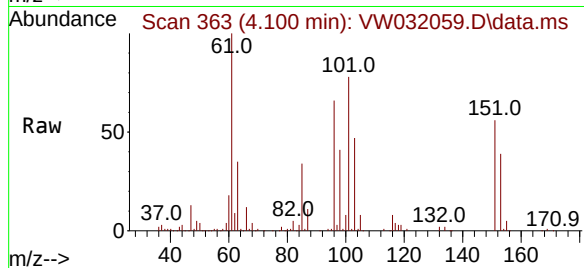
#9
1,1,2-Trichlorotrifluoroethane
Concen: 47.316 ug/l
RT: 4.100 min Scan# 362
Delta R.T. 0.006 min
Lab File: VW032059.D
Acq: 11 Aug 2025 11:51

Instrument :
MSVOA_W
ClientSampleId :
ICVW081125

Tgt Ion:101 Resp: 11801
Ion Ratio Lower Upper
101 100
85 44.3 34.9 52.3
151 69.9 56.2 84.4

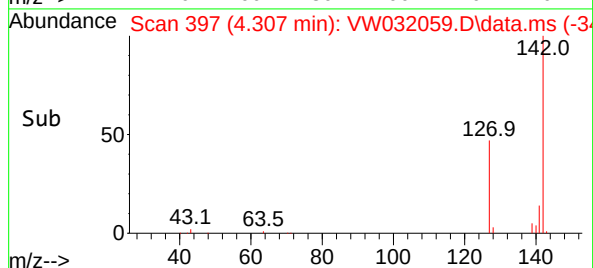
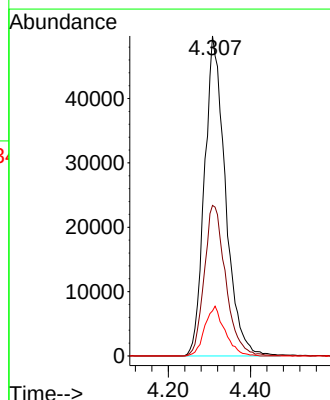
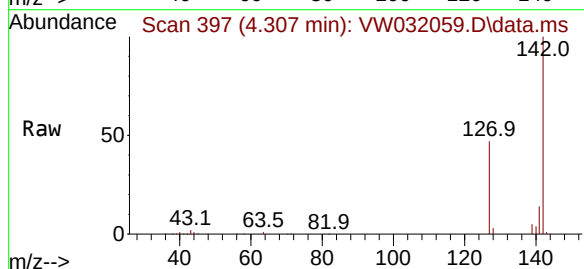
Manual Integrations
APPROVED

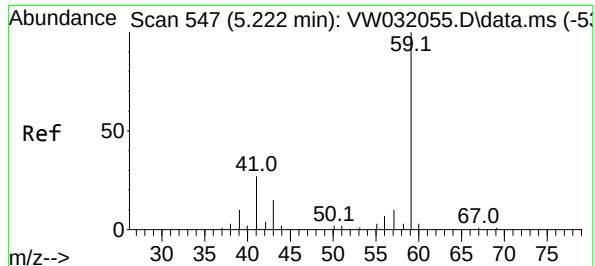
Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025



#10
Methyl Iodide
Concen: 49.742 ug/l
RT: 4.307 min Scan# 397
Delta R.T. -0.000 min
Lab File: VW032059.D
Acq: 11 Aug 2025 11:51

Tgt Ion:142 Resp: 175903
Ion Ratio Lower Upper
142 100
127 48.1 36.6 55.0
141 14.9 12.1 18.1





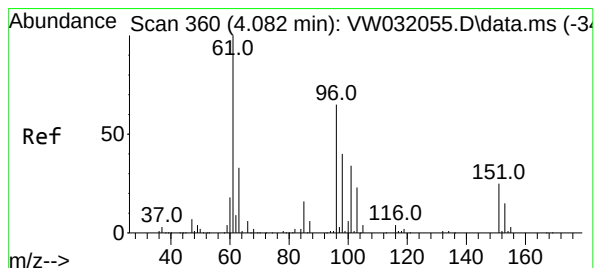
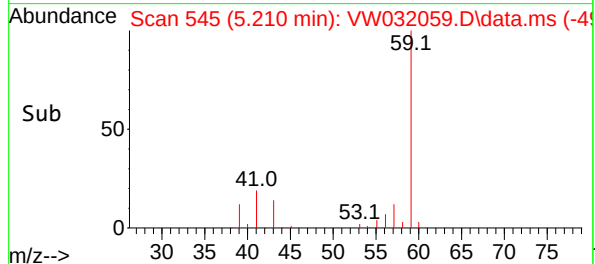
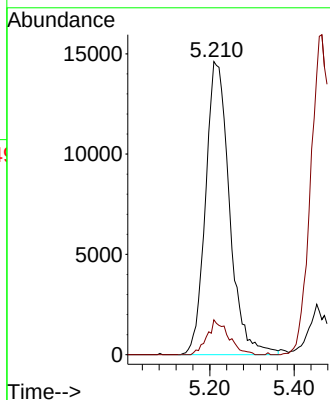
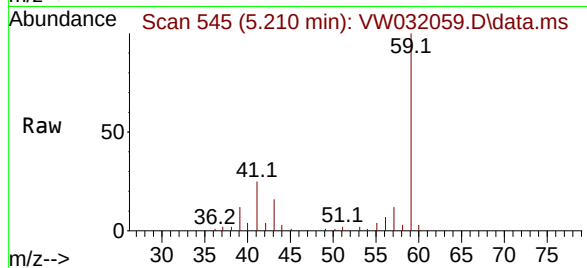
#11
Tert butyl alcohol
Concen: 271.910 ug/l
RT: 5.210 min Scan# 54
Delta R.T. -0.012 min
Lab File: VW032059.D
Acq: 11 Aug 2025 11:51

Instrument :
MSVOA_W
ClientSampleId :
ICVVW081125

Tgt Ion: 59 Resp: 5766
Ion Ratio Lower Upper
59 100
57 10.6 8.7 13.1

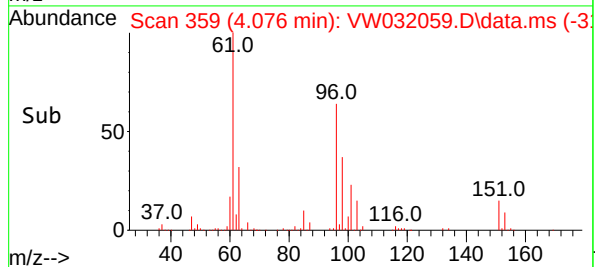
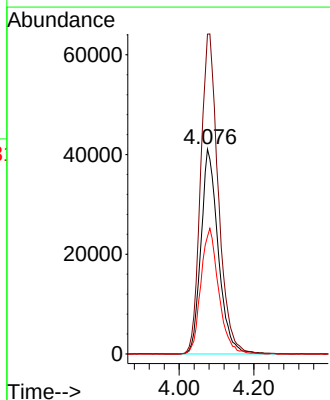
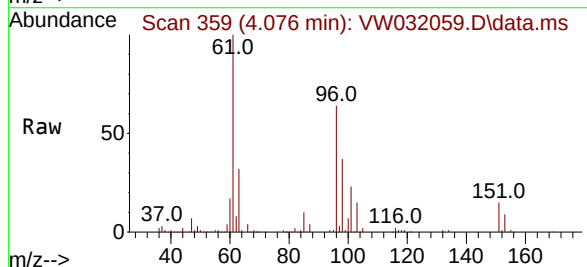
Manual Integrations
APPROVED

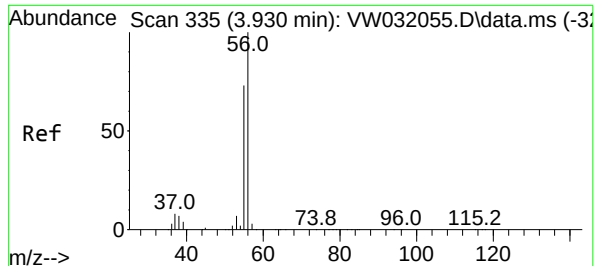
Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025



#12
1,1-Dichloroethene
Concen: 47.992 ug/l
RT: 4.076 min Scan# 359
Delta R.T. -0.006 min
Lab File: VW032059.D
Acq: 11 Aug 2025 11:51

Tgt Ion: 96 Resp: 131802
Ion Ratio Lower Upper
96 100
61 156.3 123.4 185.2
98 57.4 49.5 74.3





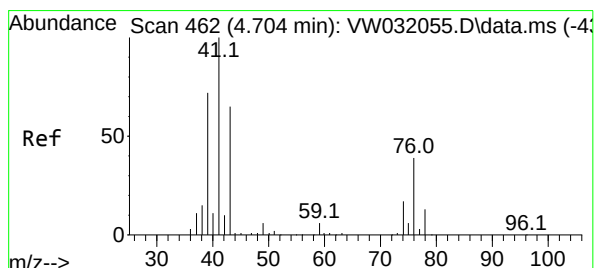
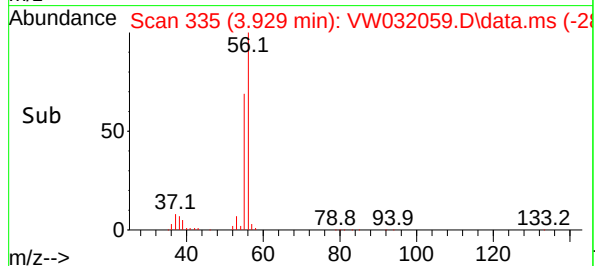
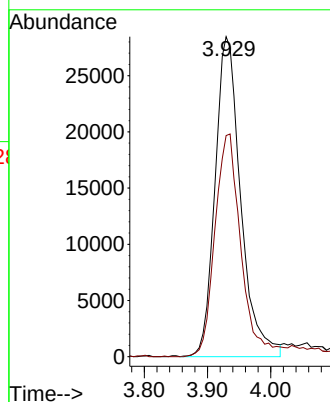
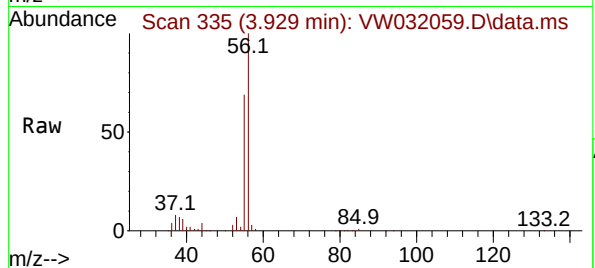
#13
Acrolein
Concen: 236.960 ug/l
RT: 3.929 min Scan# 31
Delta R.T. -0.000 min
Lab File: VW032059.D
Acq: 11 Aug 2025 11:51

Instrument :
MSVOA_W
ClientSampleId :
ICVW081125

Tgt Ion: 56 Resp: 80072
Ion Ratio Lower Upper
56 100
55 71.1 55.4 83.2

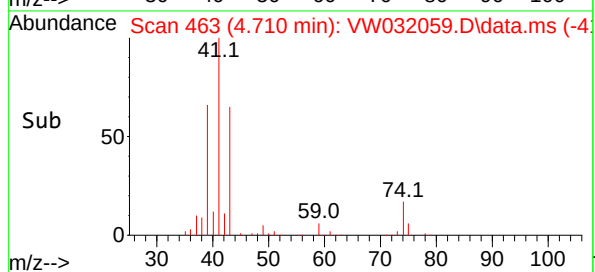
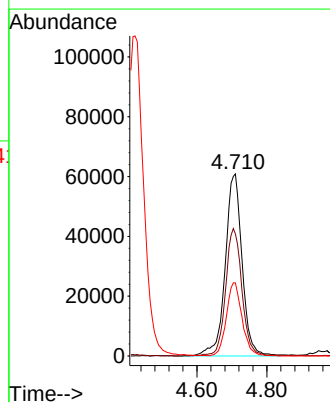
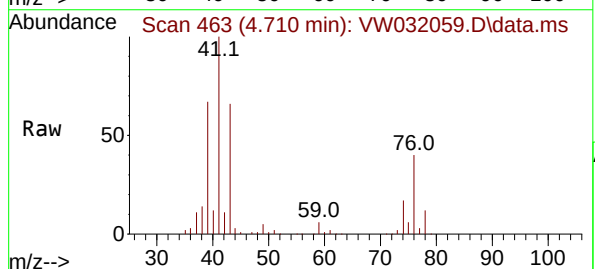
Manual Integrations
APPROVED

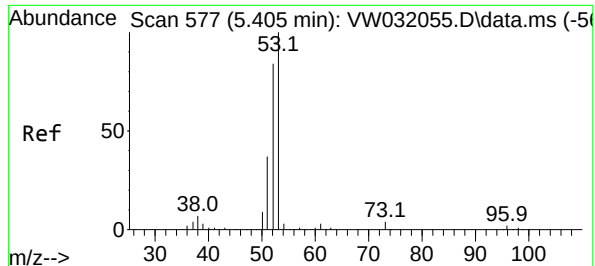
Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025



#14
Allyl chloride
Concen: 51.094 ug/l
RT: 4.710 min Scan# 463
Delta R.T. 0.006 min
Lab File: VW032059.D
Acq: 11 Aug 2025 11:51

Tgt Ion: 41 Resp: 204222
Ion Ratio Lower Upper
41 100
39 66.9 54.5 81.7
76 37.4 29.3 43.9





#15

Acrylonitrile

Concen: 265.958 ug/l

RT: 5.405 min Scan# 51

Delta R.T. -0.000 min

Lab File: VW032059.D

Acq: 11 Aug 2025 11:51

Instrument :

MSVOA_W

ClientSampleId :

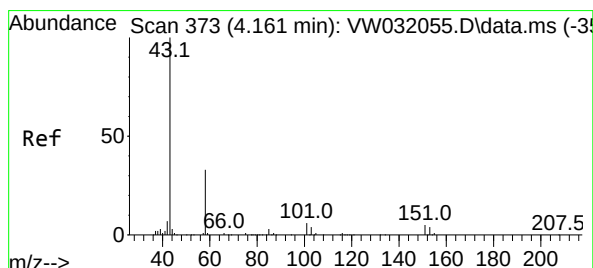
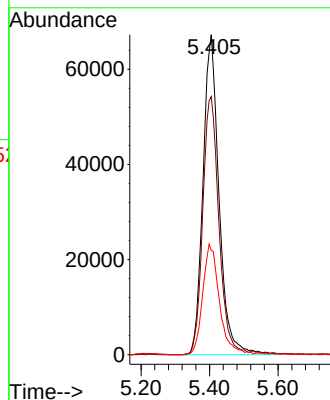
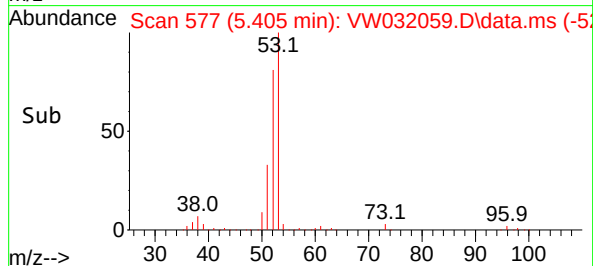
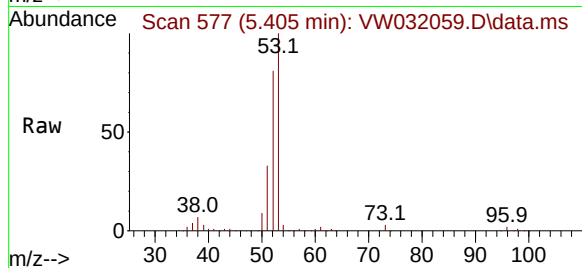
ICVW081125

Tgt Ion:	53	Resp:	219409
Ion	Ratio	Lower	Upper
53	100		
52	81.2	66.1	99.1
51	36.0	29.2	43.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025



#16

Acetone

Concen: 254.262 ug/l

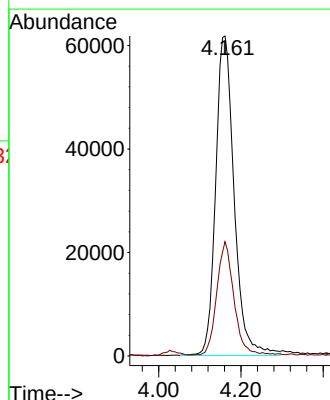
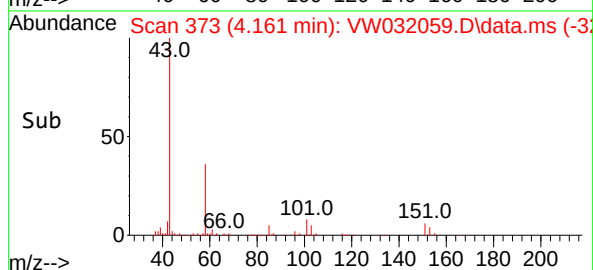
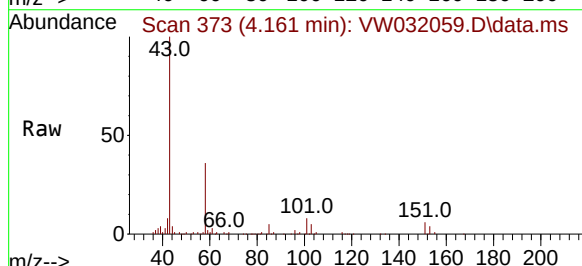
RT: 4.161 min Scan# 373

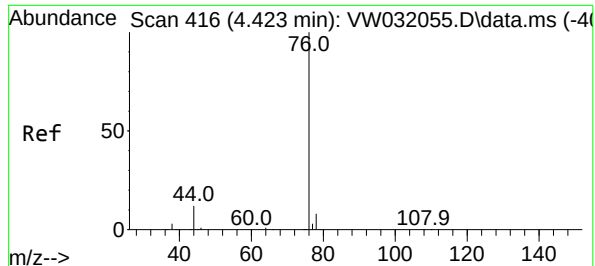
Delta R.T. -0.000 min

Lab File: VW032059.D

Acq: 11 Aug 2025 11:51

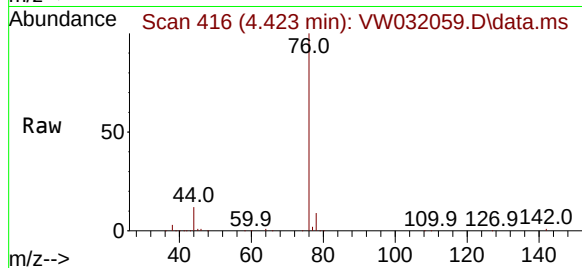
Tgt Ion:	43	Resp:	192802
Ion	Ratio	Lower	Upper
43	100		
58	35.1	26.6	39.8





#17
Carbon Disulfide
Concen: 48.970 ug/l
RT: 4.423 min Scan# 416
Delta R.T. -0.000 min
Lab File: VW032059.D
Acq: 11 Aug 2025 11:51

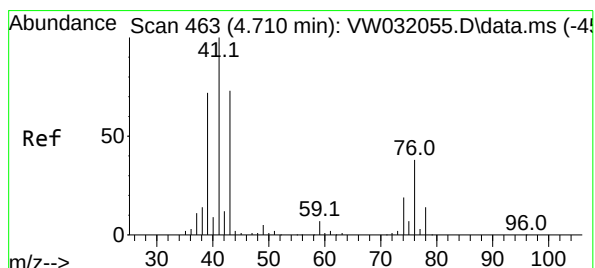
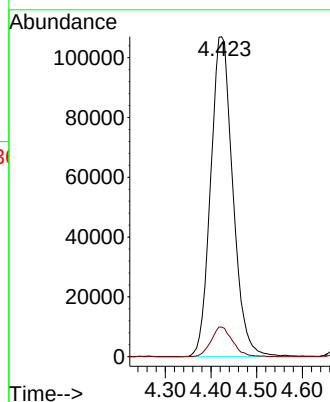
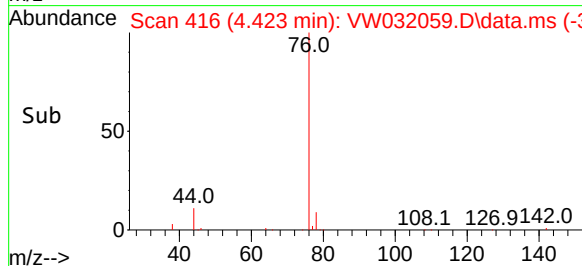
Instrument :
MSVOA_W
ClientSampleId :
ICVW081125



Tgt Ion: 76 Resp: 36098
Ion Ratio Lower Upper
76 100
78 9.3 6.4 9.6

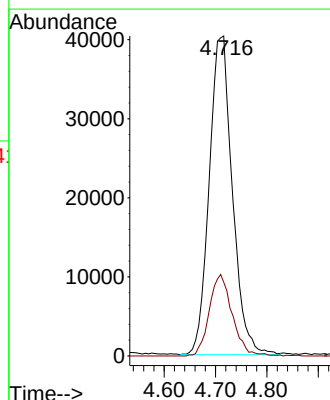
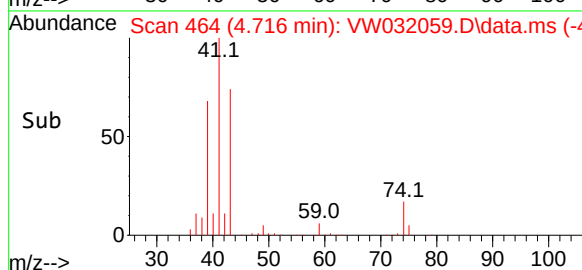
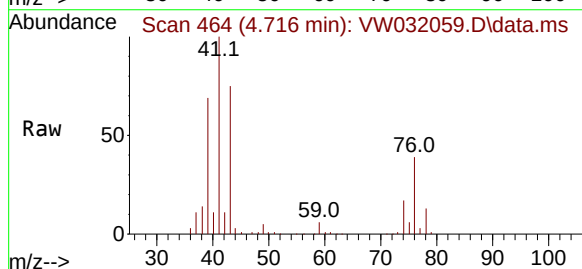
Manual Integrations
APPROVED

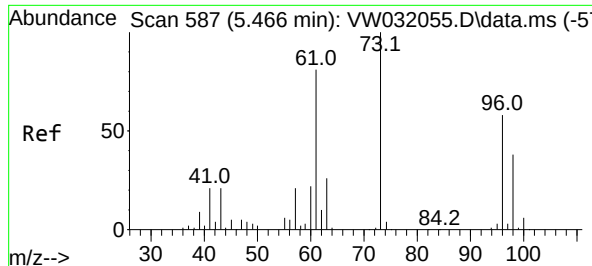
Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025



#18
Methyl Acetate
Concen: 52.614 ug/l
RT: 4.716 min Scan# 464
Delta R.T. 0.006 min
Lab File: VW032059.D
Acq: 11 Aug 2025 11:51

Tgt Ion: 43 Resp: 126246
Ion Ratio Lower Upper
43 100
74 25.3 20.6 31.0





#19

Methyl tert-butyl Ether

Concen: 54.465 ug/l

RT: 5.466 min Scan# 503

Delta R.T. -0.000 min

Lab File: VW032059.D

Acq: 11 Aug 2025 11:51

Instrument :

MSVOA_W

ClientSampleId :

ICVW081125

Tgt Ion: 73 Resp: 263540

Ion Ratio Lower Upper

73 100

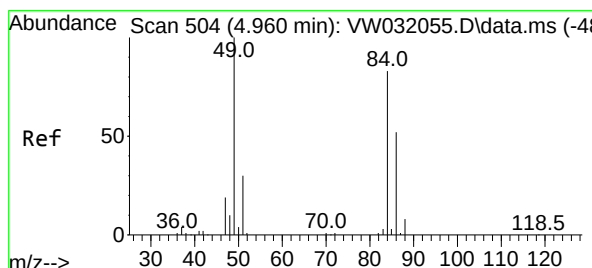
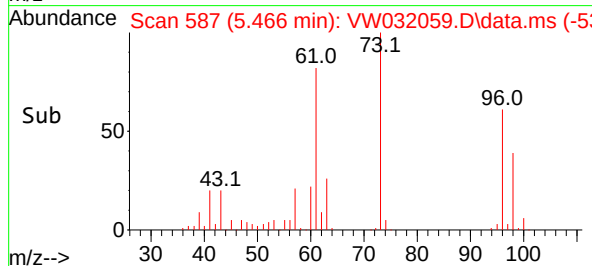
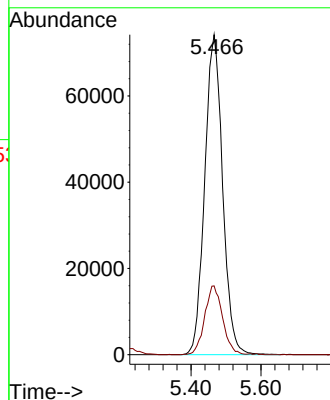
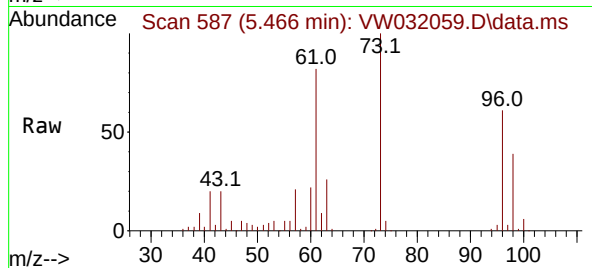
57 21.5 17.2 25.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025

Supervised By :Semsettin Yesilyurt 08/12/2025



#20

Methylene Chloride

Concen: 46.453 ug/l

RT: 4.954 min Scan# 503

Delta R.T. -0.006 min

Lab File: VW032059.D

Acq: 11 Aug 2025 11:51

Tgt Ion: 84 Resp: 162865

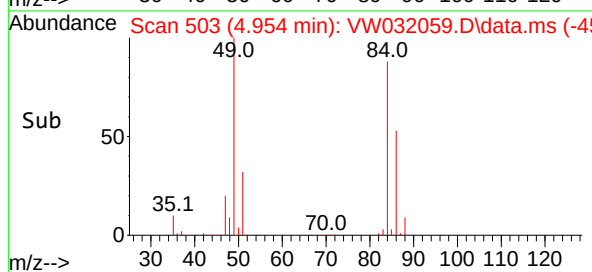
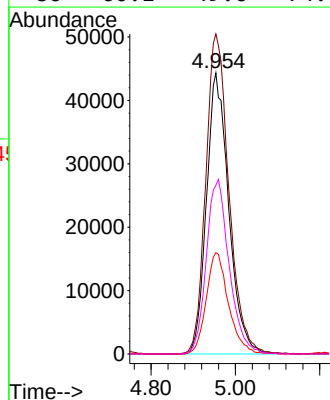
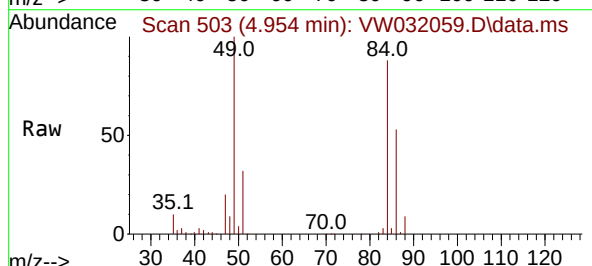
Ion Ratio Lower Upper

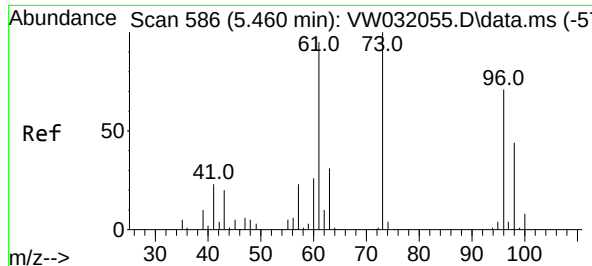
84 100

49 113.9 95.9 143.9

51 36.1 28.6 43.0

86 60.1 49.6 74.4





#21

trans-1,2-Dichloroethene

Concen: 50.035 ug/l

RT: 5.466 min Scan# 586

Delta R.T. 0.006 min

Lab File: VW032059.D

Acq: 11 Aug 2025 11:51

Instrument :

MSVOA_W

ClientSampleId :

ICVW081125

Tgt Ion: 96 Resp: 145829

Ion Ratio Lower Upper

96 100

61 135.2 106.8 160.2

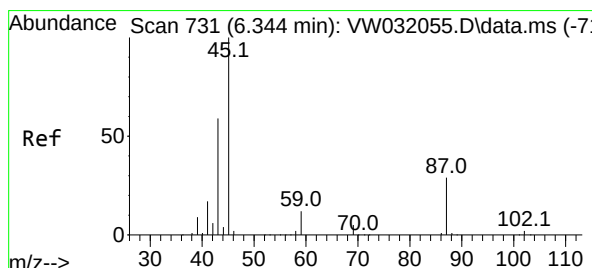
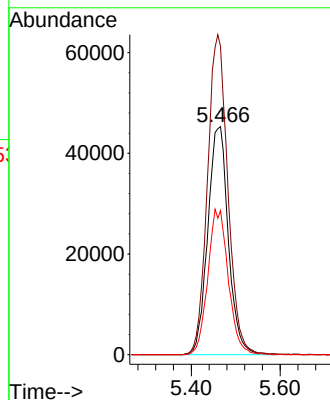
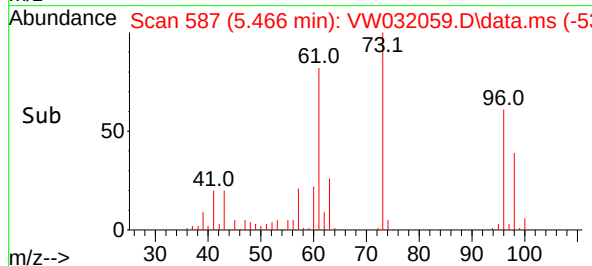
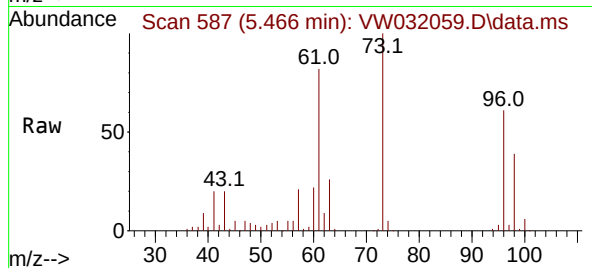
98 63.3 49.6 74.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025

Supervised By :Semsettin Yesilyurt 08/12/2025



#22

Diisopropyl ether

Concen: 52.038 ug/l

RT: 6.338 min Scan# 730

Delta R.T. -0.006 min

Lab File: VW032059.D

Acq: 11 Aug 2025 11:51

Tgt Ion: 45 Resp: 438483

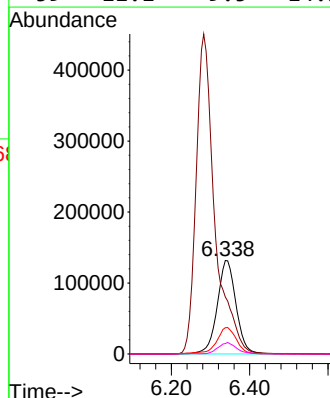
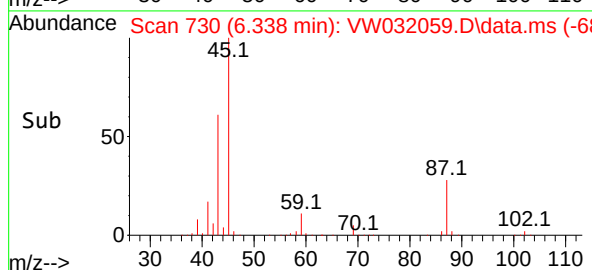
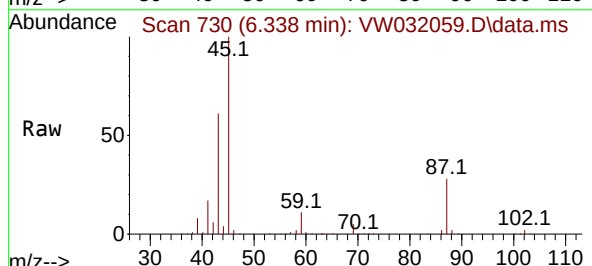
Ion Ratio Lower Upper

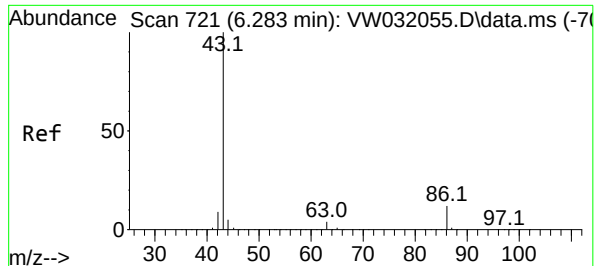
45 100

43 60.4 47.0 70.4

87 28.0 23.8 35.8

59 11.1 9.5 14.3





#23

Vinyl Acetate

Concen: 270.210 ug/l

RT: 6.283 min Scan# 715

Delta R.T. -0.000 min

Lab File: VW032059.D

Acq: 11 Aug 2025 11:51

Instrument :

MSVOA_W

ClientSampleId :

ICVW081125

Tgt Ion: 43 Resp: 149487

Ion Ratio Lower Upper

43 100

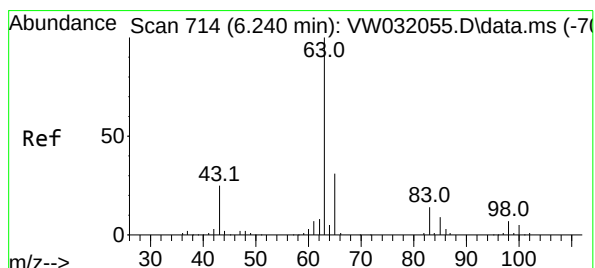
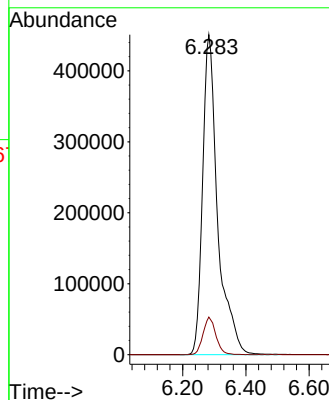
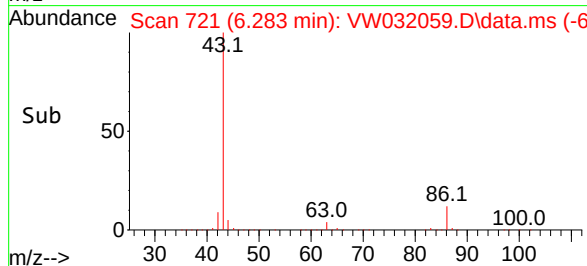
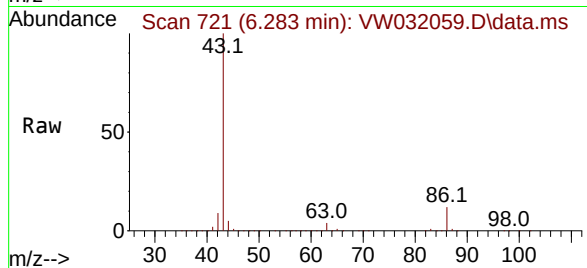
86 11.7 9.4 14.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025

Supervised By :Semsettin Yesilyurt 08/12/2025



#24

1,1-Dichloroethane

Concen: 49.234 ug/l

RT: 6.246 min Scan# 715

Delta R.T. 0.006 min

Lab File: VW032059.D

Acq: 11 Aug 2025 11:51

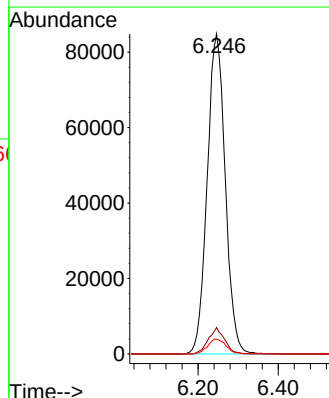
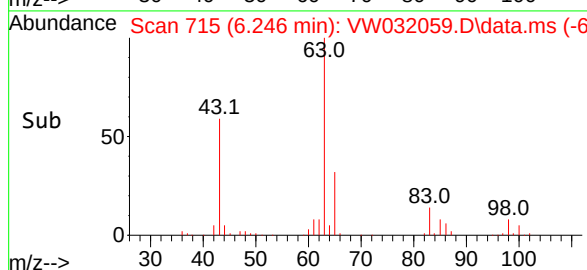
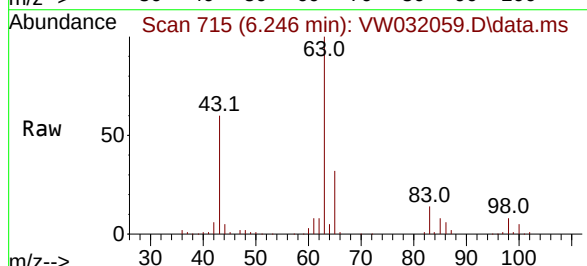
Tgt Ion: 63 Resp: 265060

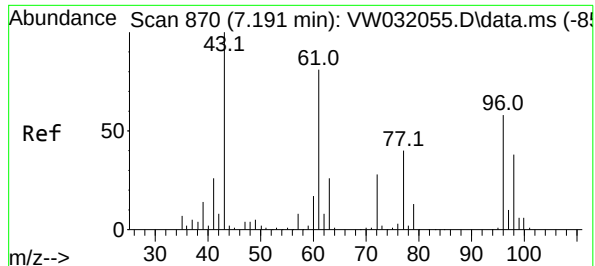
Ion Ratio Lower Upper

63 100

98 8.3 3.7 11.1

100 4.6 2.5 7.4





#25

2-Butanone

Concen: 272.083 ug/l

RT: 7.191 min Scan# 81

Delta R.T. -0.000 min

Lab File: VW032059.D

Acq: 11 Aug 2025 11:51

Instrument :

MSVOA_W

ClientSampleId :

ICVW081125

Tgt Ion: 43 Resp: 29322

Ion Ratio Lower Upper

43 100

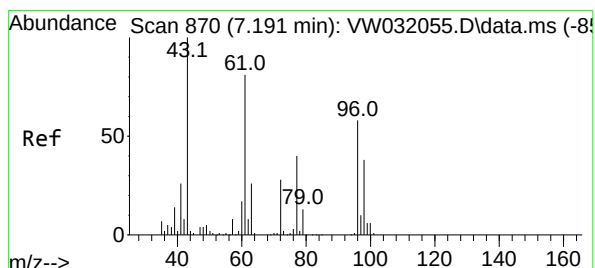
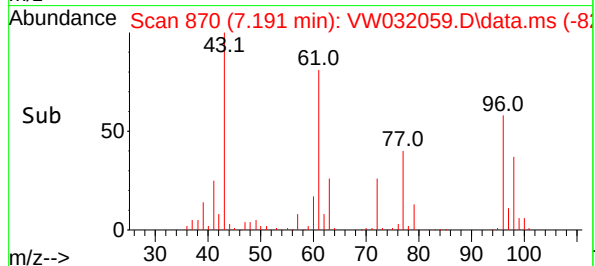
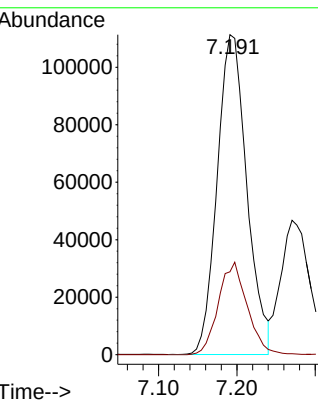
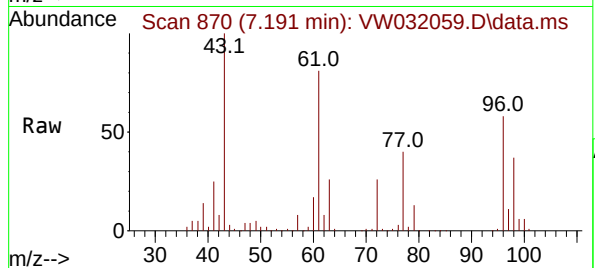
72 25.9 22.3 33.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025

Supervised By :Semsettin Yesilyurt 08/12/2025



#26

2,2-Dichloropropane

Concen: 49.659 ug/l

RT: 7.185 min Scan# 869

Delta R.T. -0.006 min

Lab File: VW032059.D

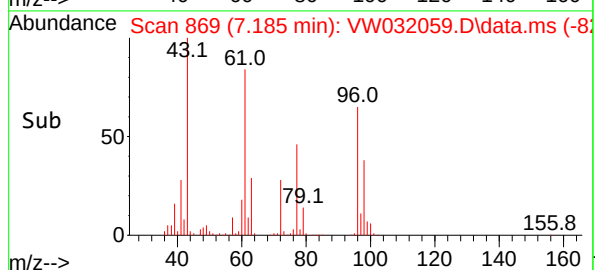
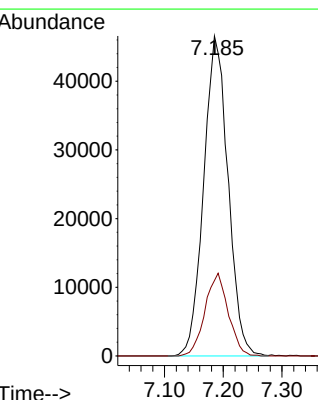
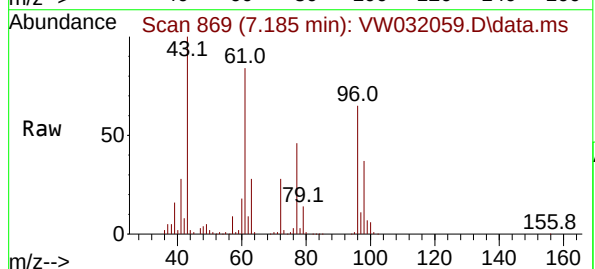
Acq: 11 Aug 2025 11:51

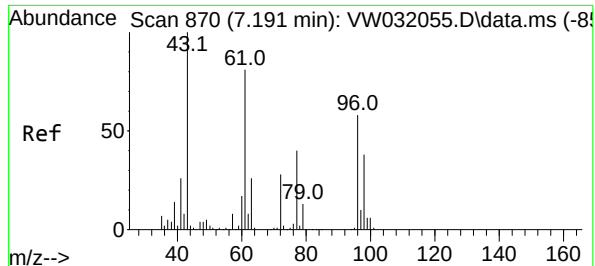
Tgt Ion: 77 Resp: 134123

Ion Ratio Lower Upper

77 100

97 24.7 12.3 36.9





#27

cis-1,2-Dichloroethene

Concen: 51.404 ug/l

RT: 7.185 min Scan# 869

Delta R.T. -0.006 min

Lab File: VW032059.D

Acq: 11 Aug 2025 11:51

Instrument :

MSVOA_W

ClientSampleId :

ICVW081125

Tgt Ion: 96 Resp: 175120

Ion Ratio Lower Upper

96 100

61 137.9 0.0 281.2

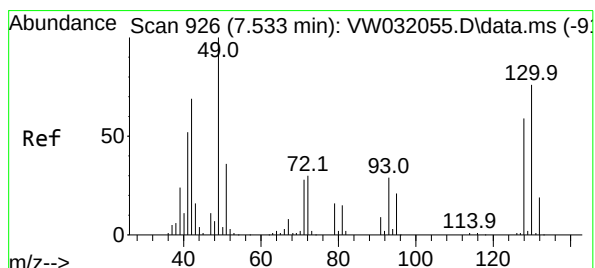
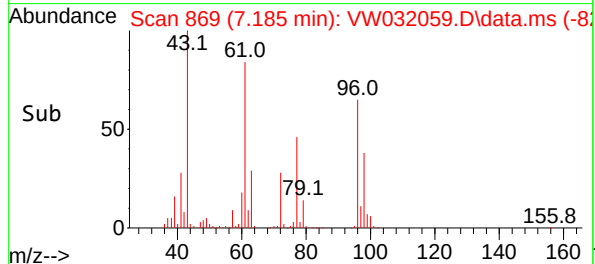
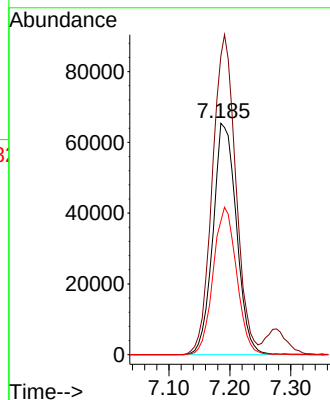
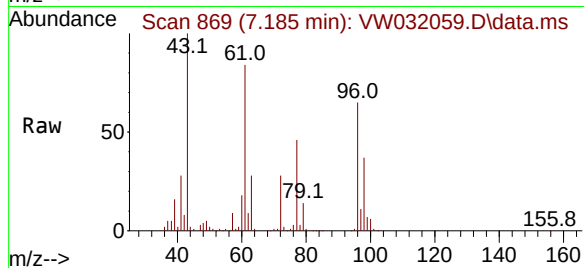
98 63.6 0.0 130.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025

Supervised By :Semsettin Yesilyurt 08/12/2025



#28

Bromochloromethane

Concen: 50.315 ug/l

RT: 7.532 min Scan# 926

Delta R.T. -0.000 min

Lab File: VW032059.D

Acq: 11 Aug 2025 11:51

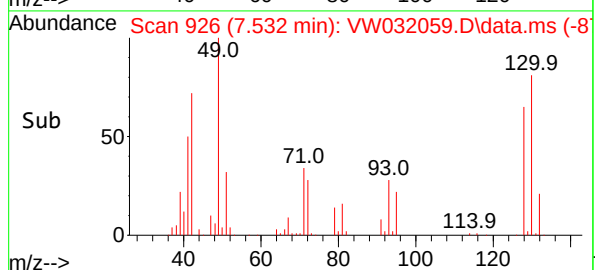
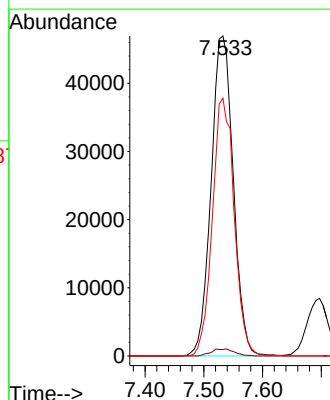
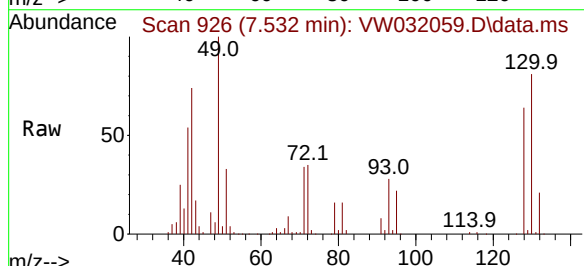
Tgt Ion: 49 Resp: 123268

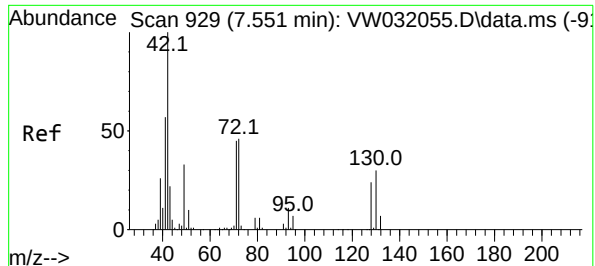
Ion Ratio Lower Upper

49 100

129 2.3 0.0 4.2

130 79.0 61.9 92.9





#29

Tetrahydrofuran

Concen: 274.235 ug/l

RT: 7.551 min Scan# 91

Delta R.T. -0.000 min

Lab File: VW032059.D

Acq: 11 Aug 2025 11:51

Instrument :

MSVOA_W

ClientSampleId :

ICVW081125

Tgt Ion: 42 Resp: 194909

Ion Ratio Lower Upper

42 100

72 45.7 36.6 55.0

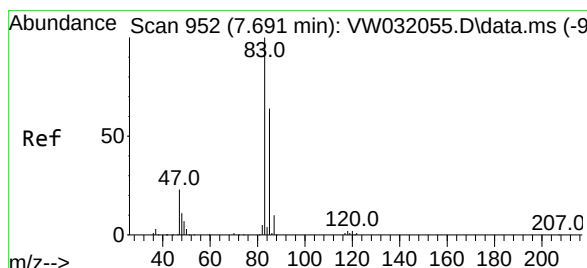
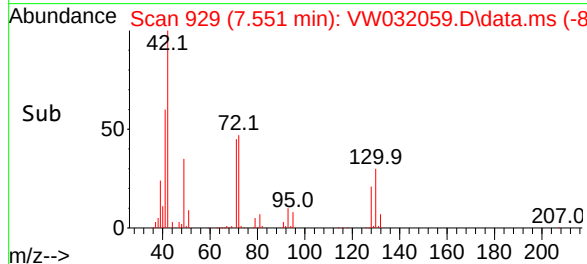
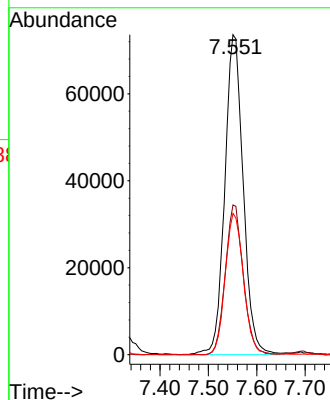
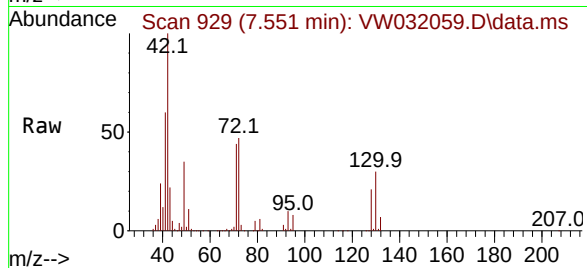
71 43.9 34.7 52.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025

Supervised By :Semsettin Yesilyurt 08/12/2025



#30

Chloroform

Concen: 49.803 ug/l

RT: 7.691 min Scan# 952

Delta R.T. -0.000 min

Lab File: VW032059.D

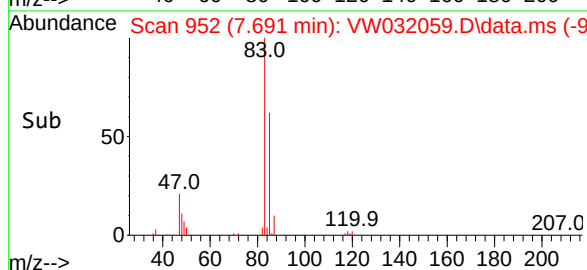
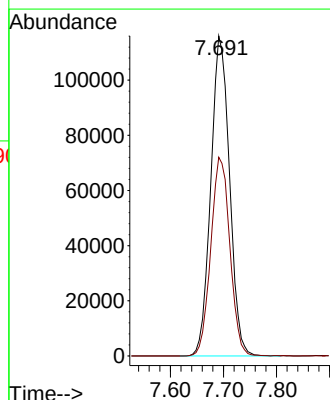
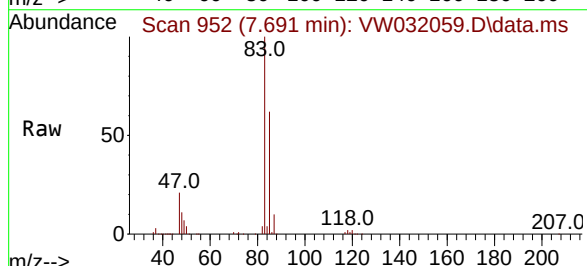
Acq: 11 Aug 2025 11:51

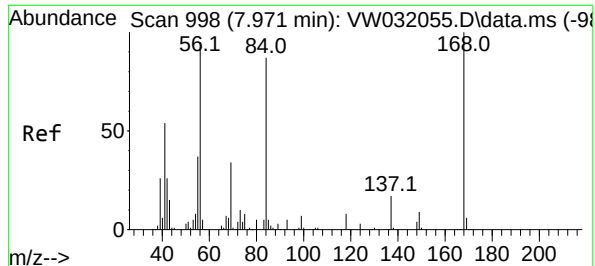
Tgt Ion: 83 Resp: 284250

Ion Ratio Lower Upper

83 100

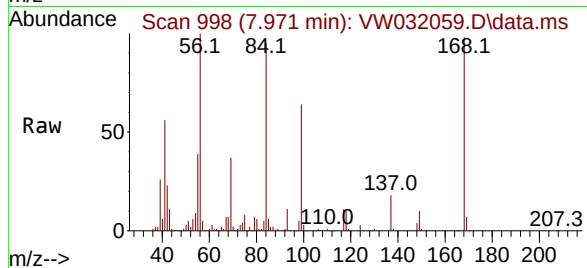
85 62.1 51.0 76.4





#31
Cyclohexane
Concen: 46.646 ug/l
RT: 7.971 min Scan# 998
Delta R.T. -0.000 min
Lab File: VW032059.D
Acq: 11 Aug 2025 11:51

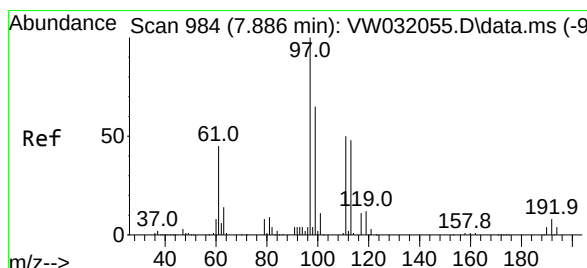
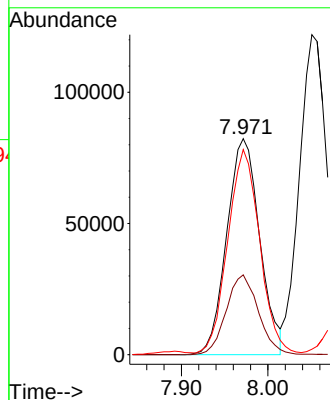
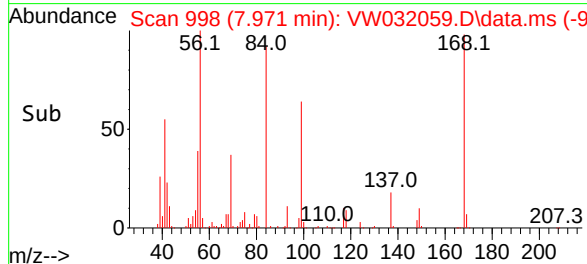
Instrument :
MSVOA_W
ClientSampleId :
ICVW081125



Tgt Ion: 56 Resp: 217714
Ion Ratio Lower Upper
56 100
69 36.9 28.6 42.8
84 93.6 73.0 109.4

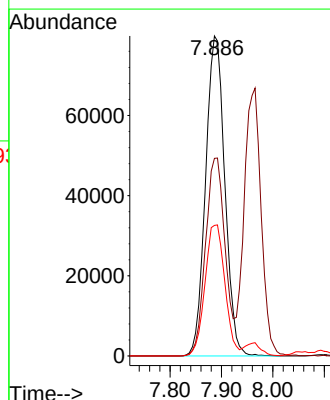
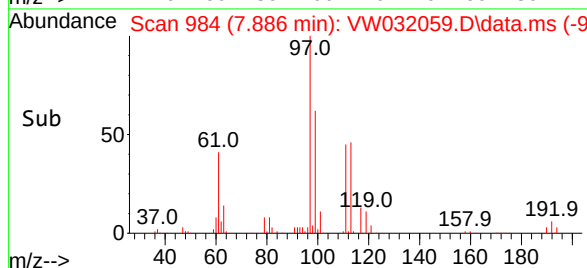
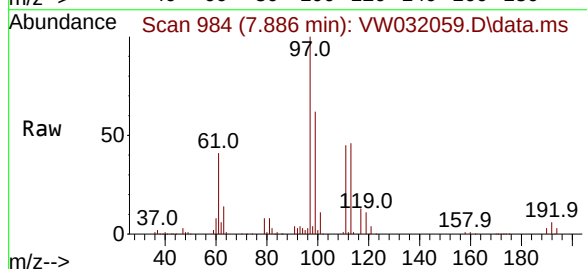
Manual Integrations
APPROVED

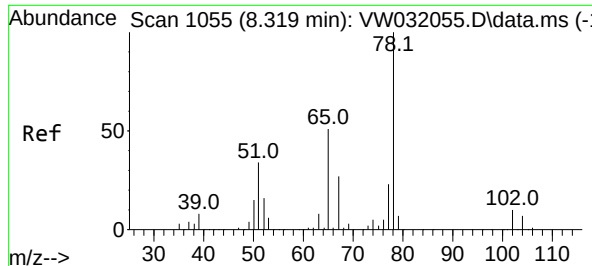
Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025



#32
1,1,1-Trichloroethane
Concen: 50.108 ug/l
RT: 7.886 min Scan# 984
Delta R.T. -0.000 min
Lab File: VW032059.D
Acq: 11 Aug 2025 11:51

Tgt Ion: 97 Resp: 207733
Ion Ratio Lower Upper
97 100
99 62.3 51.8 77.8
61 42.4 35.9 53.9





#33

1,2-Dichloroethane-d4

Concen: 49.205 ug/l

RT: 8.319 min Scan# 1055

Delta R.T. -0.000 min

Lab File: VW032059.D

Acq: 11 Aug 2025 11:51

Instrument :

MSVOA_W

ClientSampleId :

ICVW081125

Tgt Ion: 65 Resp: 16115

Ion Ratio Lower Upper

65 100

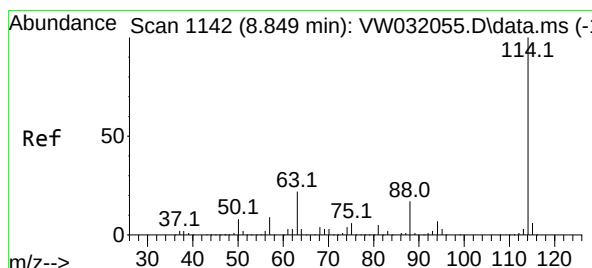
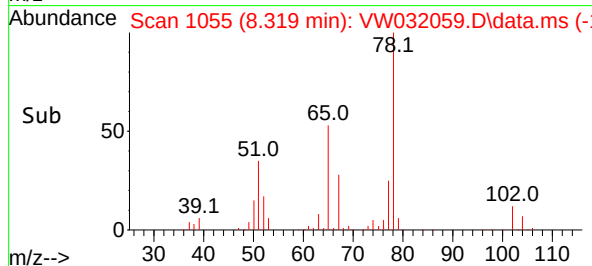
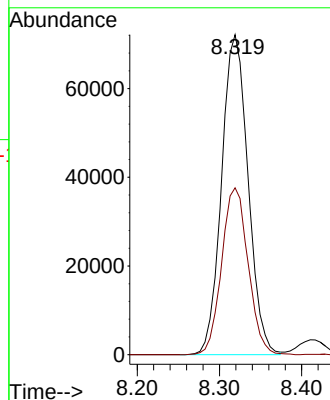
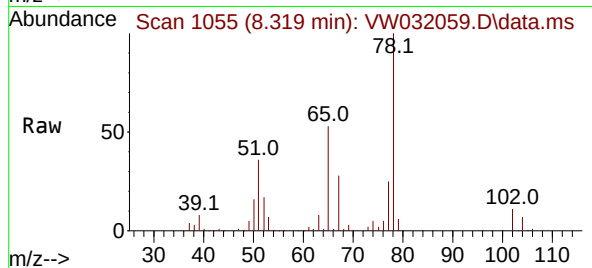
67 52.2 0.0 102.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025

Supervised By :Semsettin Yesilyurt 08/12/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.849 min Scan# 1142

Delta R.T. -0.000 min

Lab File: VW032059.D

Acq: 11 Aug 2025 11:51

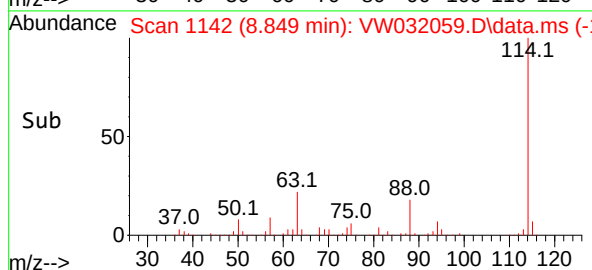
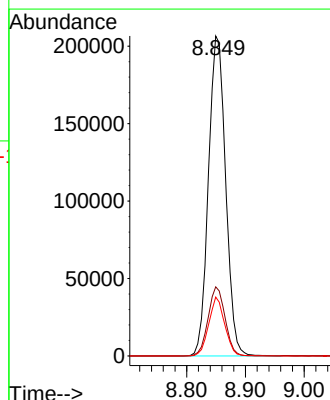
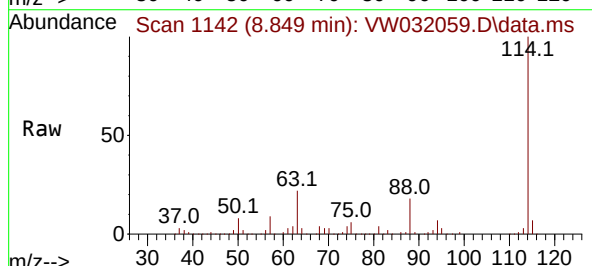
Tgt Ion:114 Resp: 420434

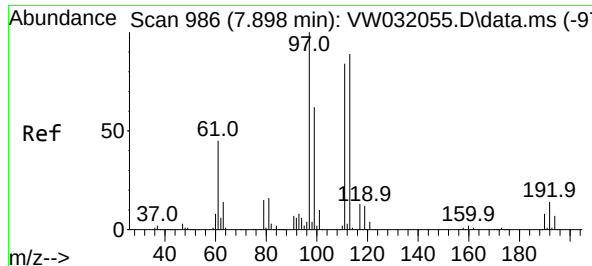
Ion Ratio Lower Upper

114 100

63 21.6 0.0 43.0

88 18.4 0.0 33.8





#35

Dibromofluoromethane

Concen: 49.939 ug/l

RT: 7.898 min Scan# 91

Delta R.T. -0.000 min

Lab File: VW032059.D

Acq: 11 Aug 2025 11:51

Instrument :

MSVOA_W

ClientSampleId :

ICVW081125

Tgt Ion:113 Resp: 13564

Ion Ratio Lower Upper

113 100

111 102.0 80.1 120.1

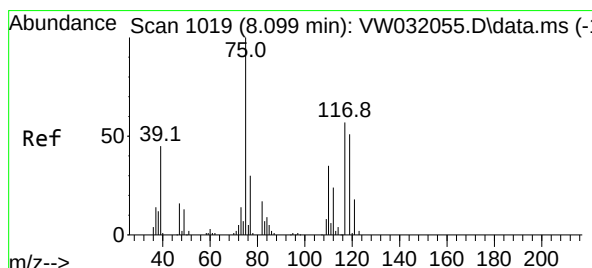
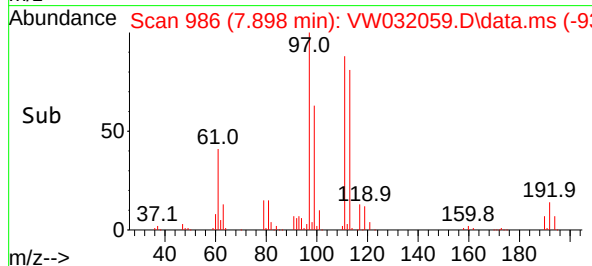
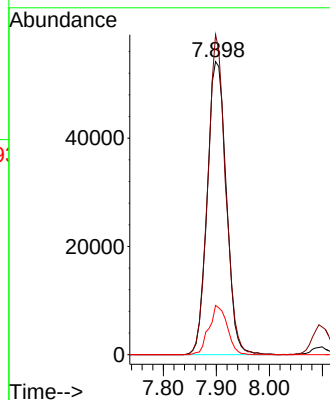
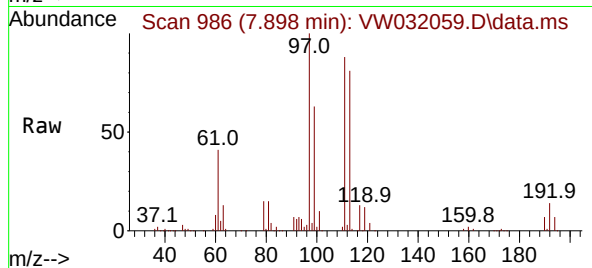
192 16.1 13.1 19.7

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025

Supervised By :Semsettin Yesilyurt 08/12/2025



#36

1,1-Dichloropropene

Concen: 49.574 ug/l

RT: 8.093 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VW032059.D

Acq: 11 Aug 2025 11:51

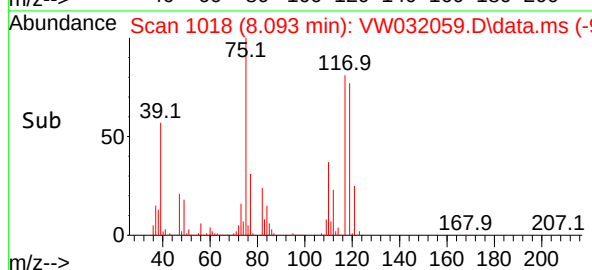
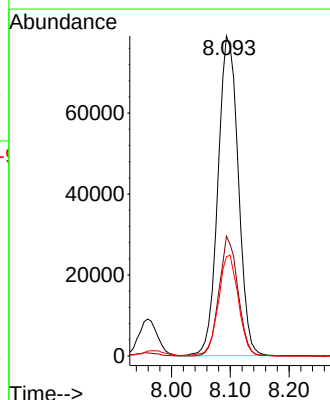
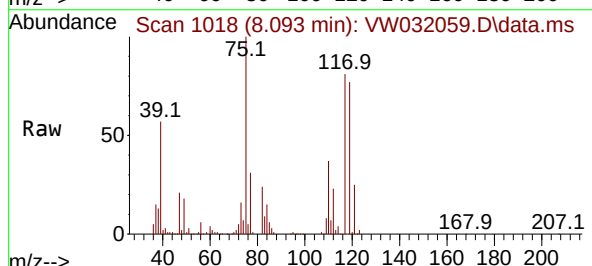
Tgt Ion: 75 Resp: 189820

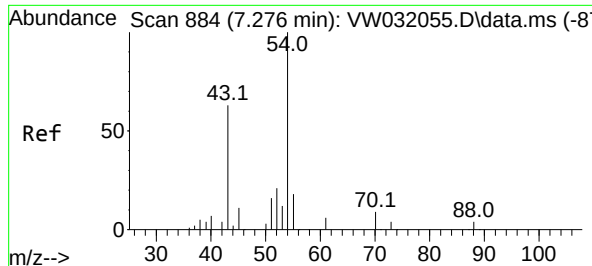
Ion Ratio Lower Upper

75 100

110 34.9 17.4 52.2

77 31.3 24.7 37.1





#37

Ethyl Acetate

Concen: 55.214 ug/l

RT: 7.270 min Scan# 884

Delta R.T. -0.006 min

Lab File: VW032059.D

Acq: 11 Aug 2025 11:51

Instrument :

MSVOA_W

ClientSampleId :

ICVW081125

Tgt Ion: 43 Resp: 124510

Ion Ratio Lower Upper

43 100

61 14.6 11.8 17.6

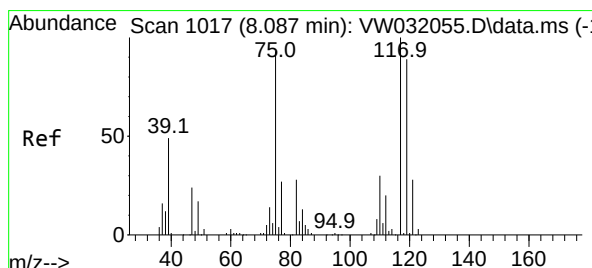
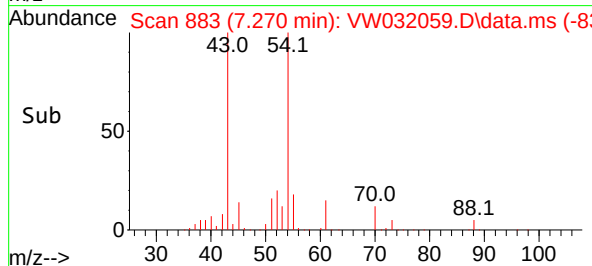
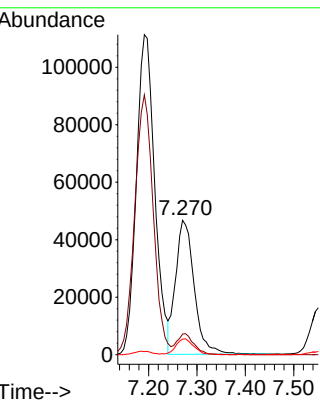
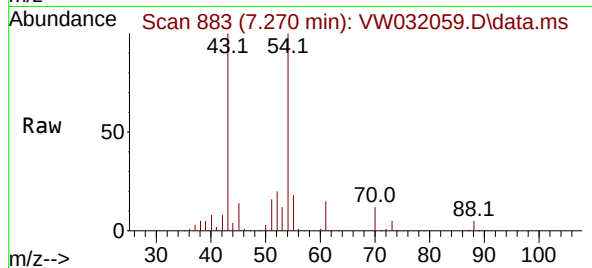
70 11.3 9.4 14.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025

Supervised By :Semsettin Yesilyurt 08/12/2025



#38

Carbon Tetrachloride

Concen: 50.015 ug/l

RT: 8.081 min Scan# 1016

Delta R.T. -0.006 min

Lab File: VW032059.D

Acq: 11 Aug 2025 11:51

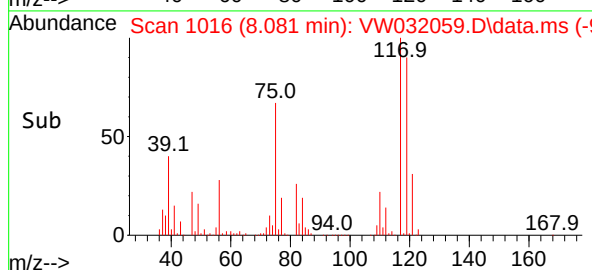
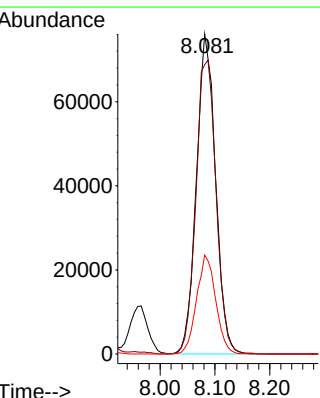
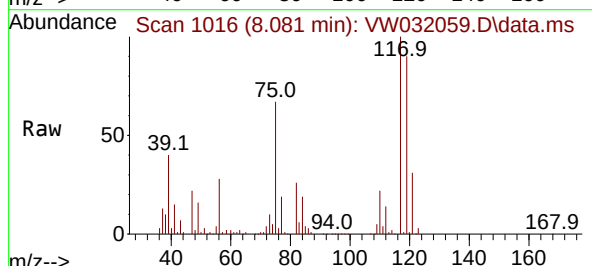
Tgt Ion:117 Resp: 184816

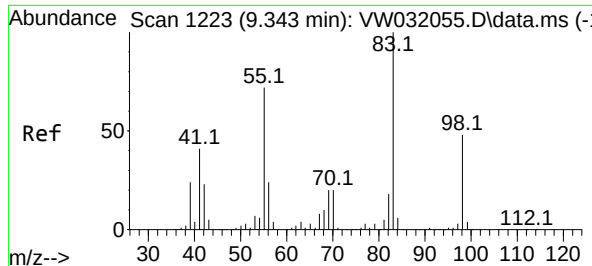
Ion Ratio Lower Upper

117 100

119 90.4 71.4 107.2

121 30.9 22.3 33.5





#39

Methylcyclohexane

Concen: 52.181 ug/l

RT: 9.343 min Scan# 1058

Delta R.T. -0.000 min

Lab File: VW032059.D

Acq: 11 Aug 2025 11:51

Instrument :

MSVOA_W

ClientSampleId :

ICVW081125

Tgt Ion: 83 Resp: 24353

Ion Ratio Lower Upper

83 100

55 74.9 57.9 86.9

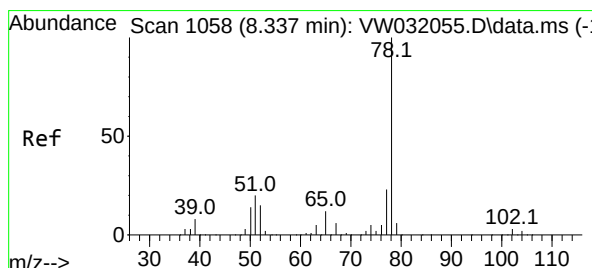
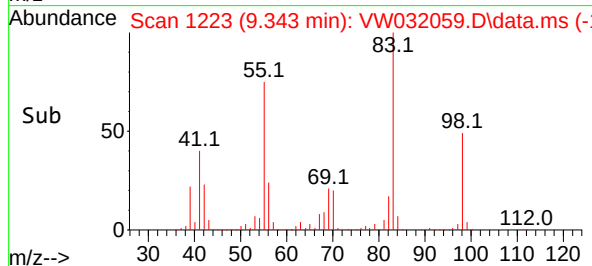
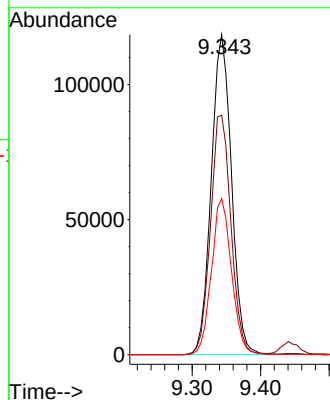
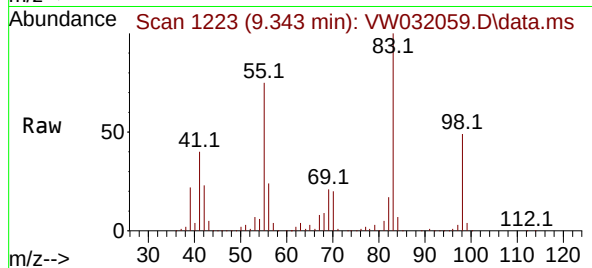
98 48.8 38.3 57.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025

Supervised By :Semsettin Yesilyurt 08/12/2025



#40

Benzene

Concen: 50.272 ug/l

RT: 8.337 min Scan# 1058

Delta R.T. -0.000 min

Lab File: VW032059.D

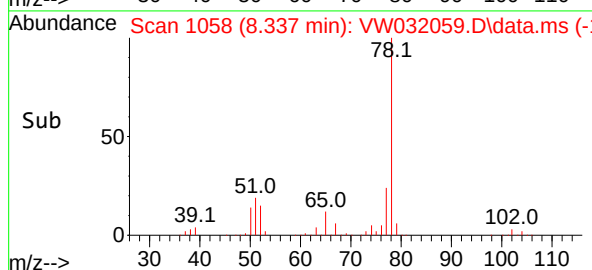
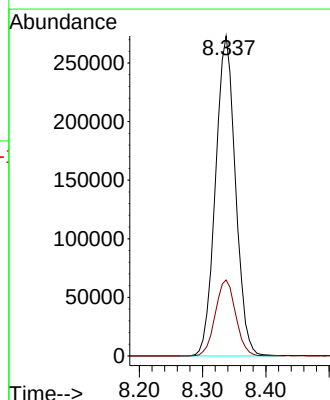
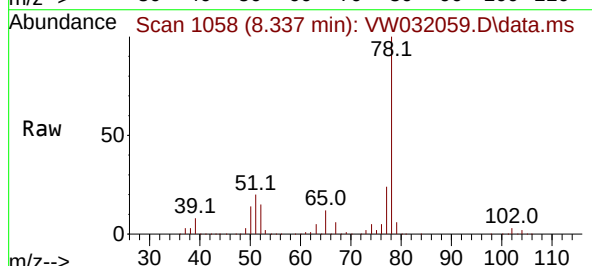
Acq: 11 Aug 2025 11:51

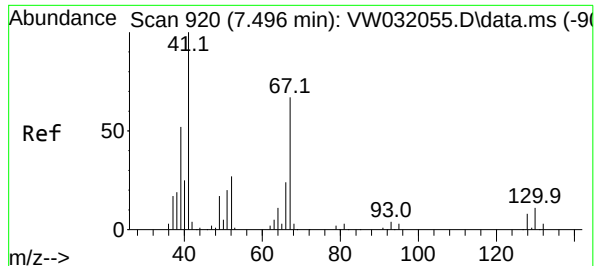
Tgt Ion: 78 Resp: 598350

Ion Ratio Lower Upper

78 100

77 23.7 18.4 27.6





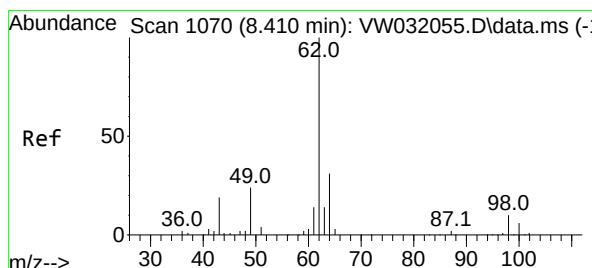
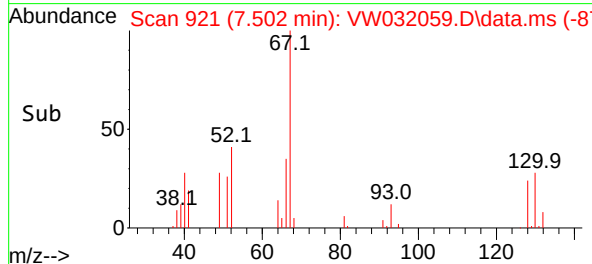
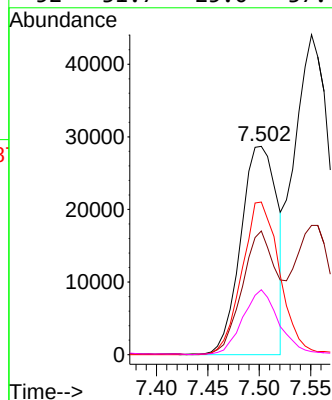
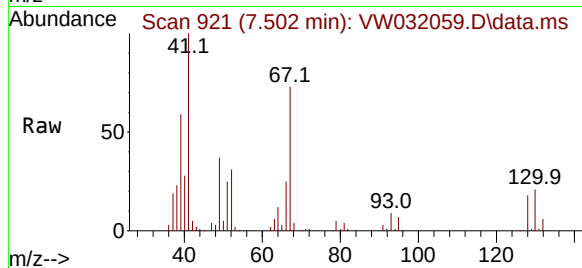
#41
Methacrylonitrile
Concen: 55.204 ug/l
RT: 7.502 min Scan# 91
Delta R.T. 0.006 min
Lab File: VW032059.D
Acq: 11 Aug 2025 11:51

Instrument :
MSVOA_W
ClientSampleId :
ICVW081125

Tgt Ion: 41 Resp: 70600
Ion Ratio Lower Upper
41 100
39 60.0 42.6 63.8
67 76.4 61.0 91.4
52 31.7 25.0 37.4

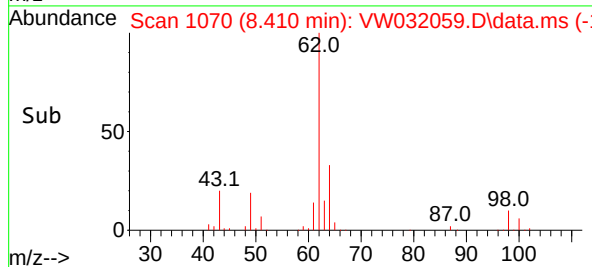
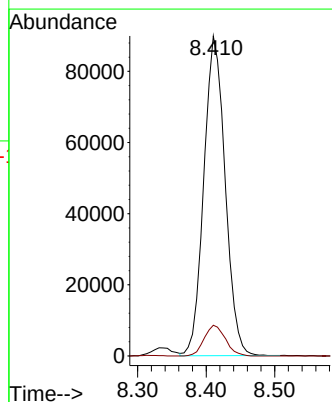
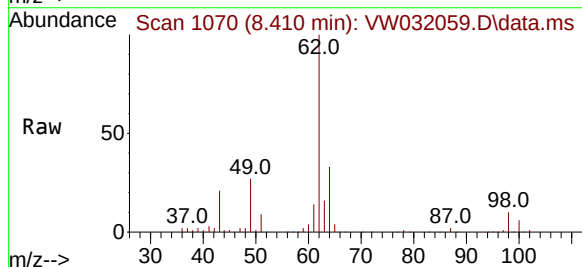
Manual Integrations
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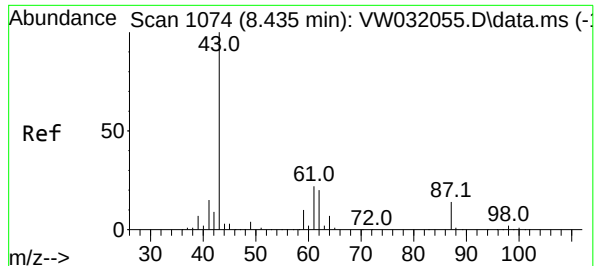
Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025



#42
1,2-Dichloroethane
Concen: 51.154 ug/l
RT: 8.410 min Scan# 1070
Delta R.T. -0.000 min
Lab File: VW032059.D
Acq: 11 Aug 2025 11:51

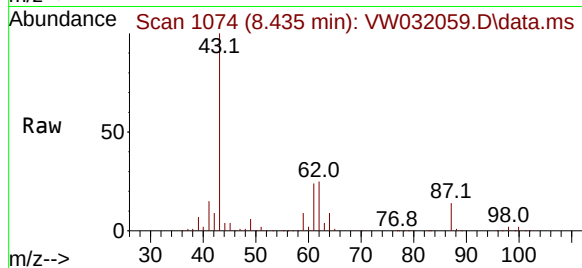
Tgt Ion: 62 Resp: 194825
Ion Ratio Lower Upper
62 100
98 9.5 0.0 19.8





#43
Isopropyl Acetate
Concen: 54.846 ug/l
RT: 8.435 min Scan# 1074
Delta R.T. -0.000 min
Lab File: VW032059.D
Acq: 11 Aug 2025 11:51

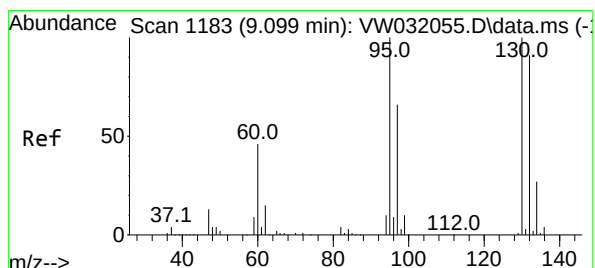
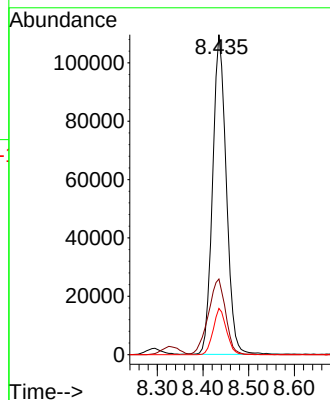
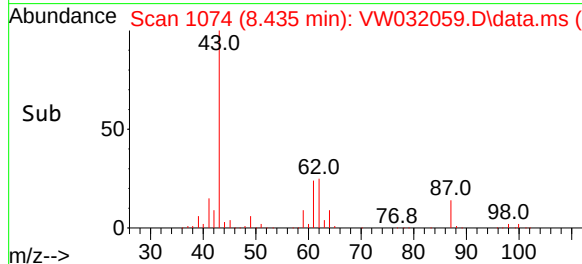
Instrument :
MSVOA_W
ClientSampleId :
ICVW081125



Tgt Ion: 43 Resp: 22756
Ion Ratio Lower Upper
43 100
61 29.6 23.8 35.8
87 14.1 11.7 17.5

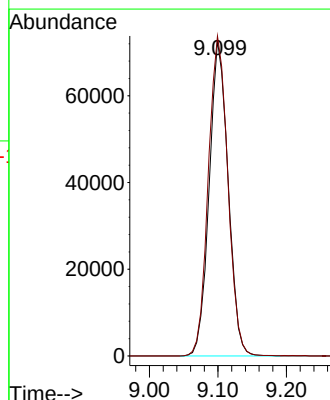
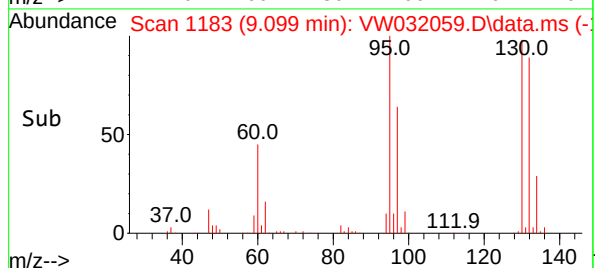
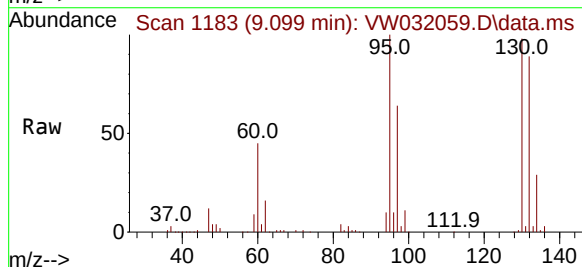
Manual Integrations
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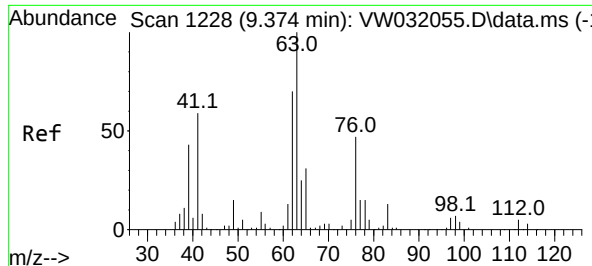
Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025



#44
Trichloroethene
Concen: 49.175 ug/l
RT: 9.099 min Scan# 1183
Delta R.T. -0.000 min
Lab File: VW032059.D
Acq: 11 Aug 2025 11:51

Tgt Ion:130 Resp: 139383
Ion Ratio Lower Upper
130 100
95 101.6 0.0 200.6





#45

1,2-Dichloropropane

Concen: 51.403 ug/l

RT: 9.374 min Scan# 1228

Delta R.T. -0.000 min

Lab File: VW032059.D

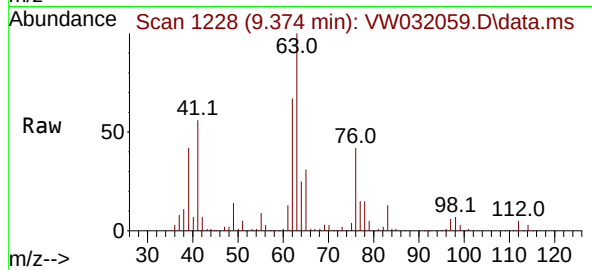
Acq: 11 Aug 2025 11:51

Instrument :

MSVOA_W

ClientSampleId :

ICVW081125



Tgt Ion: 63 Resp: 14780

Ion Ratio Lower Upper

63 100

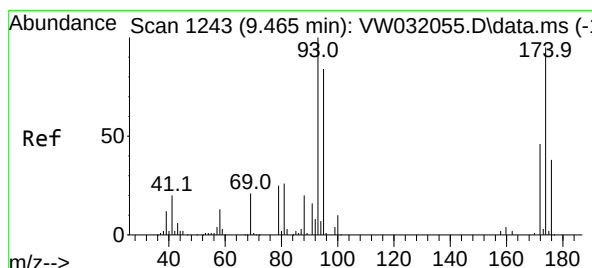
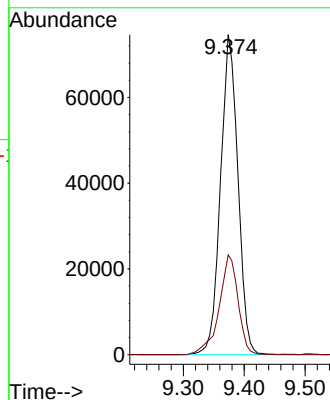
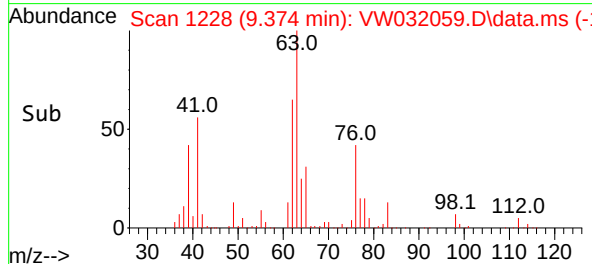
65 31.2 24.6 36.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025

Supervised By :Semsettin Yesilyurt 08/12/2025



#46

Dibromomethane

Concen: 50.497 ug/l

RT: 9.465 min Scan# 1243

Delta R.T. -0.000 min

Lab File: VW032059.D

Acq: 11 Aug 2025 11:51

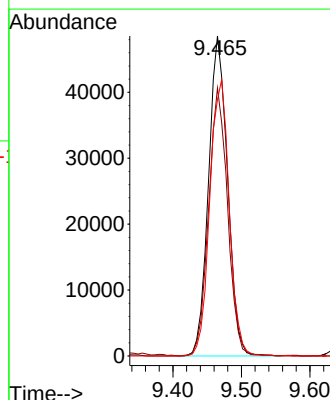
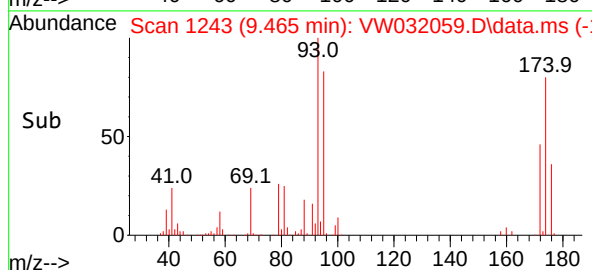
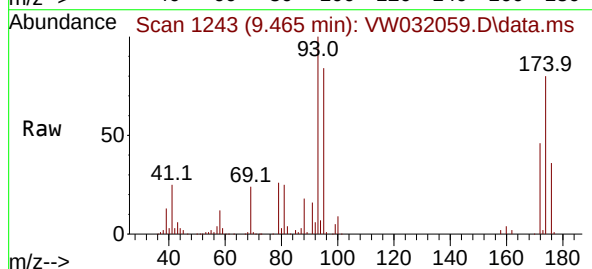
Tgt Ion: 93 Resp: 93713

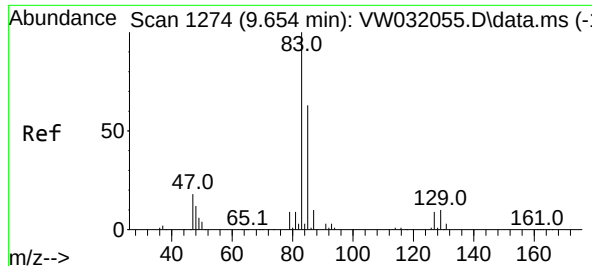
Ion Ratio Lower Upper

93 100

95 83.5 65.3 97.9

174 88.0 68.6 102.8





#47

Bromodichloromethane

Concen: 51.775 ug/l

RT: 9.648 min Scan# 1273

Delta R.T. -0.006 min

Lab File: VW032059.D

Acq: 11 Aug 2025 11:51

Instrument :

MSVOA_W

ClientSampleId :

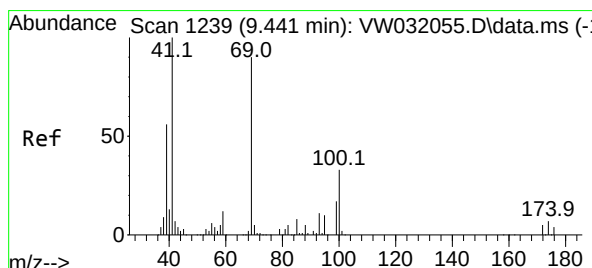
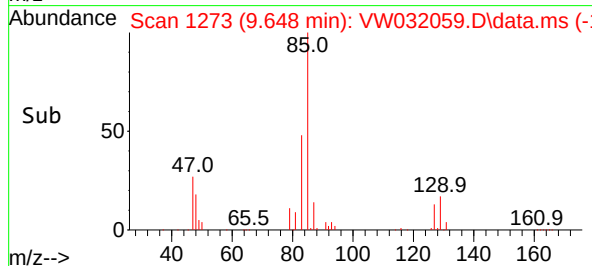
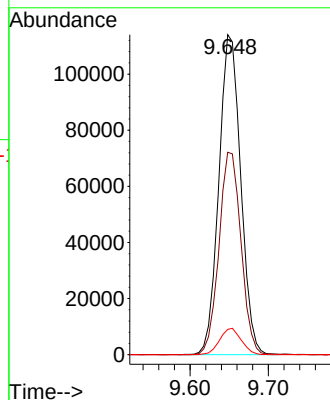
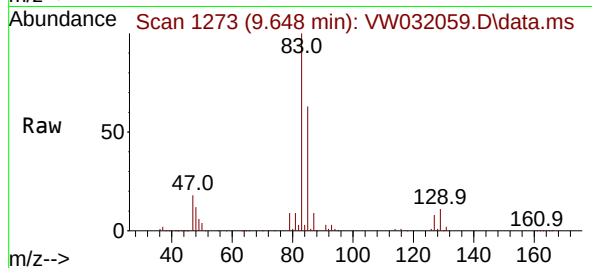
ICVW081125

Tgt Ion: 83 Resp: 221409

Ion	Ratio	Lower	Upper
83	100		
85	63.3	50.6	75.8
127	7.9	6.9	10.3

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025



#48

Methyl methacrylate

Concen: 55.048 ug/l

RT: 9.441 min Scan# 1239

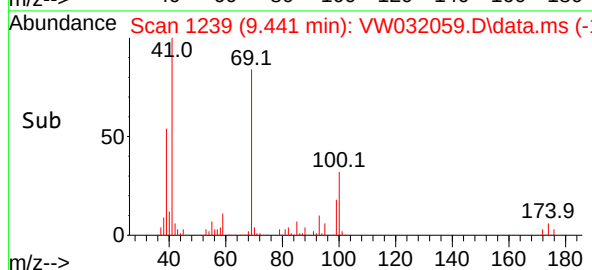
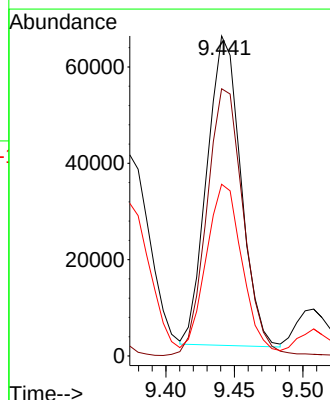
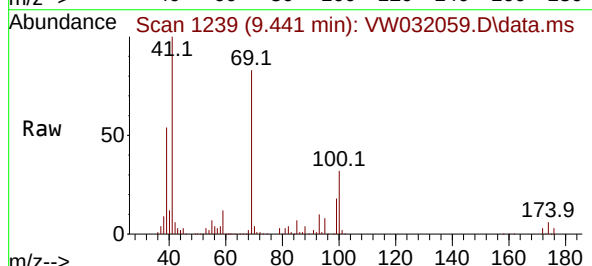
Delta R.T. -0.000 min

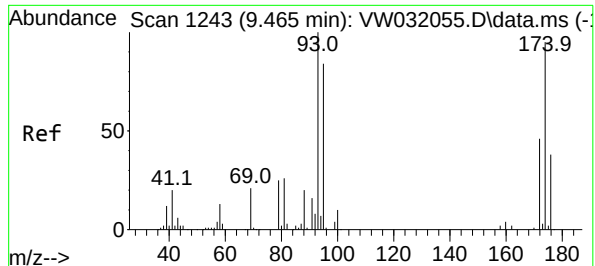
Lab File: VW032059.D

Acq: 11 Aug 2025 11:51

Tgt Ion: 41 Resp: 110265

Ion	Ratio	Lower	Upper
41	100		
69	94.5	73.0	109.6
39	56.0	45.0	67.4





#49

1,4-Dioxane

Concen: 1155.151 ug/l

RT: 9.459 min Scan# 1242

Delta R.T. -0.006 min

Lab File: VW032059.D

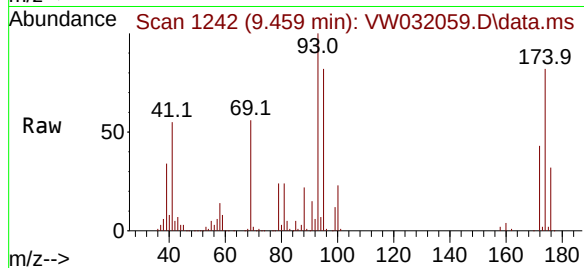
Acq: 11 Aug 2025 11:51

Instrument :

MSVOA_W

ClientSampleId :

ICVW081125

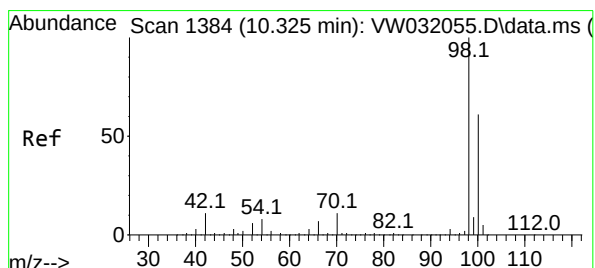
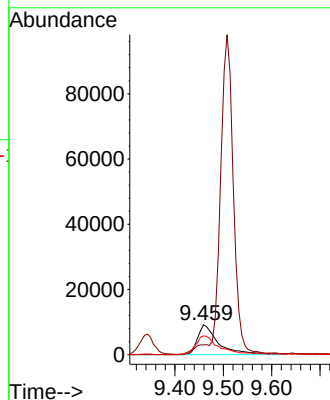
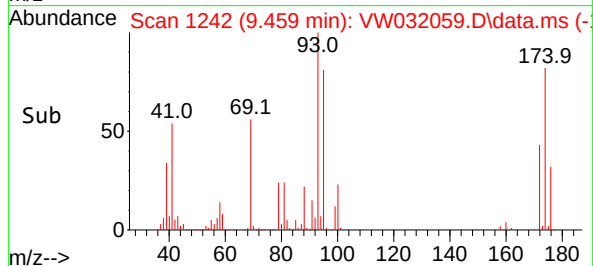


Tgt Ion:	88	Resp:	27718
Ion	Ratio	Lower	Upper
88	100		
43	0.0	20.6	30.8
58	70.8	60.4	90.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025



#50

Toluene-d8

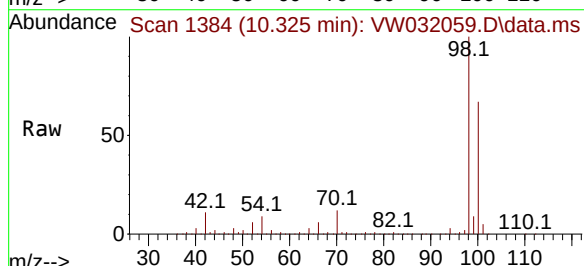
Concen: 49.708 ug/l

RT: 10.325 min Scan# 1384

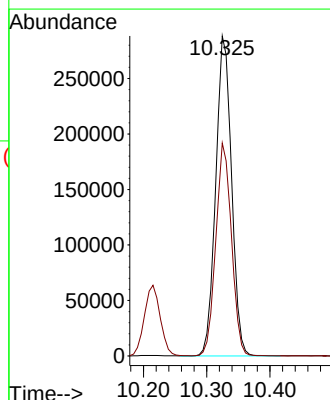
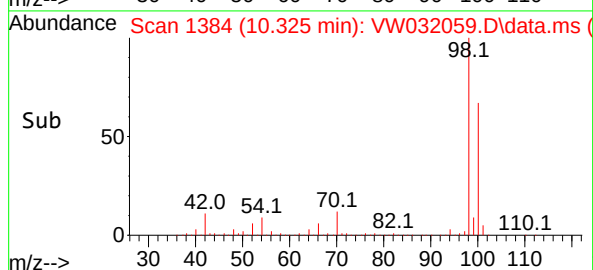
Delta R.T. -0.000 min

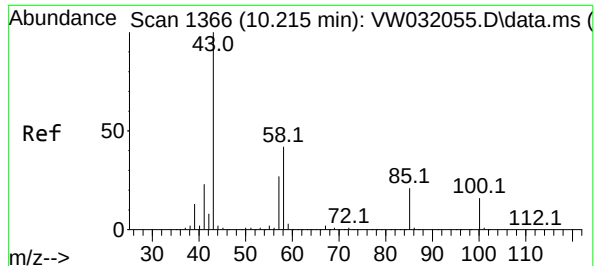
Lab File: VW032059.D

Acq: 11 Aug 2025 11:51



Tgt Ion:	98	Resp:	499377
Ion	Ratio	Lower	Upper
98	100		
100	65.9	51.1	76.7





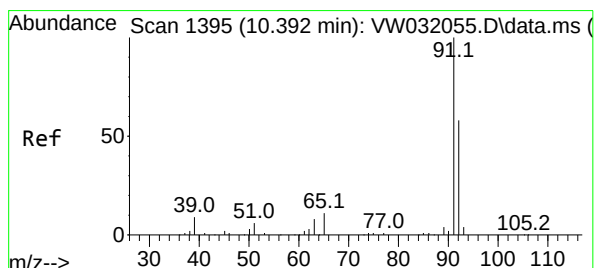
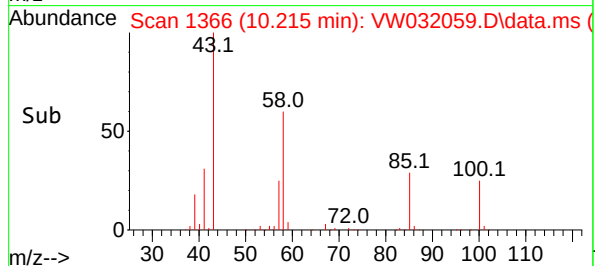
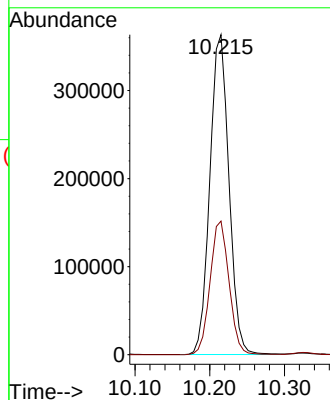
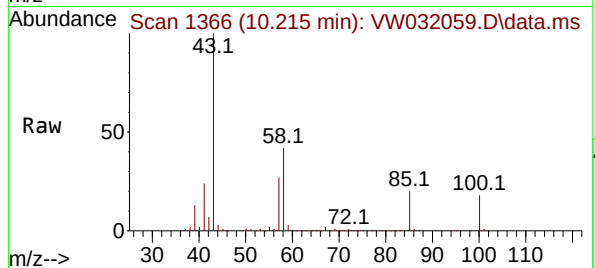
#51
4-Methyl-2-Pentanone
Concen: 275.585 ug/l
RT: 10.215 min Scan# 1366
Delta R.T. -0.000 min
Lab File: VW032059.D
Acq: 11 Aug 2025 11:51

Instrument :
MSVOA_W
ClientSampleId :
ICVW081125

Tgt Ion: 43 Resp: 64539
Ion Ratio Lower Upper
43 100
58 41.5 33.1 49.7

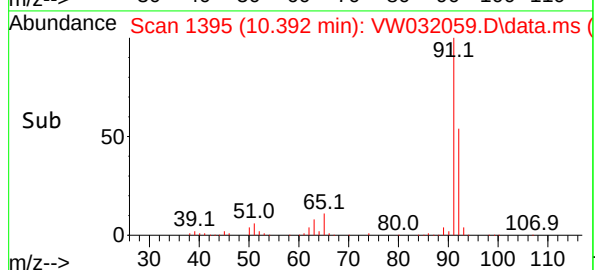
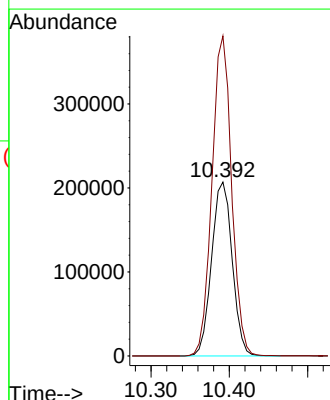
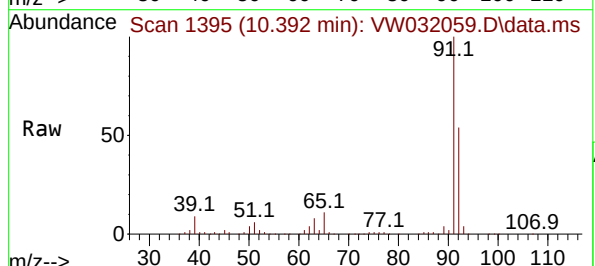
Manual Integrations
APPROVED

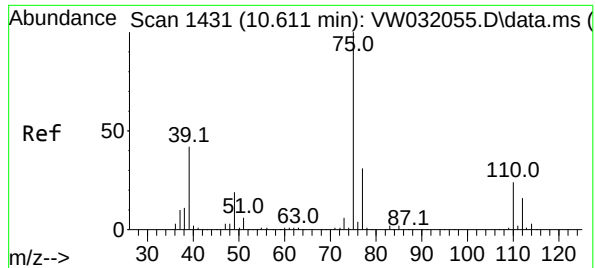
Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025



#52
Toluene
Concen: 50.410 ug/l
RT: 10.392 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VW032059.D
Acq: 11 Aug 2025 11:51

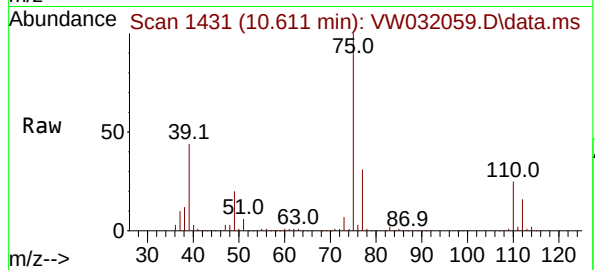
Tgt Ion: 92 Resp: 377919
Ion Ratio Lower Upper
92 100
91 175.7 136.3 204.5





#53
t-1,3-Dichloropropene
Concen: 53.108 ug/l
RT: 10.611 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VW032059.D
Acq: 11 Aug 2025 11:51

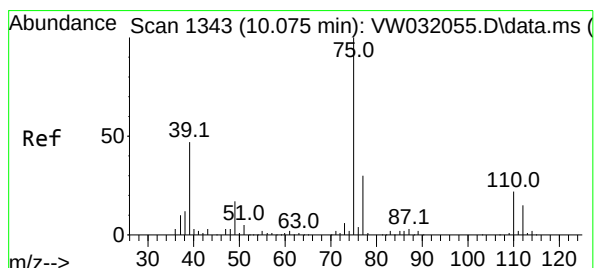
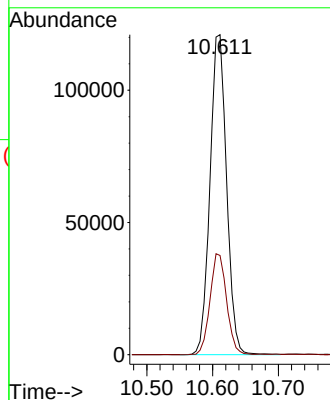
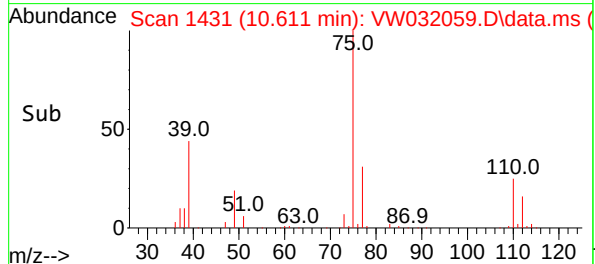
Instrument :
MSVOA_W
ClientSampleId :
ICVW081125



Tgt Ion: 75 Resp: 212772
Ion Ratio Lower Upper
75 100
77 31.0 25.0 37.6

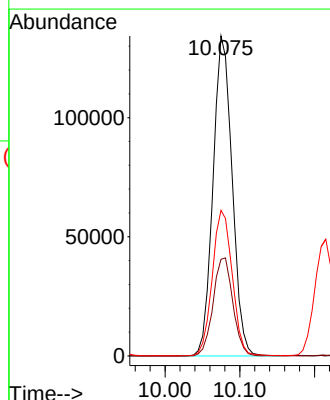
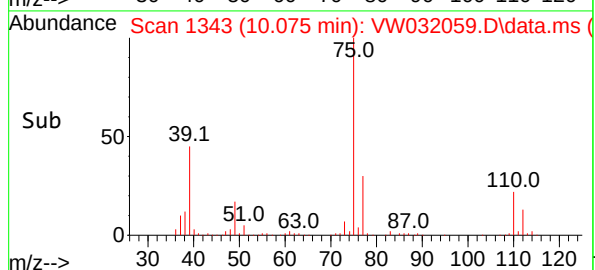
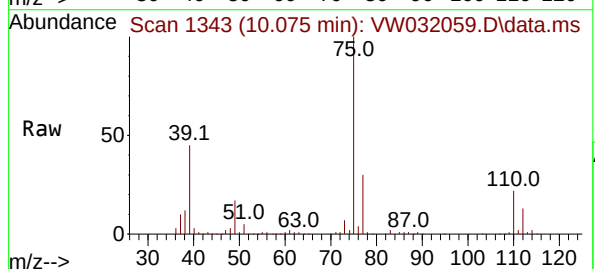
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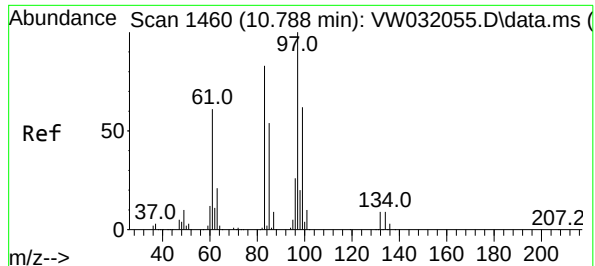
Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025



#54
cis-1,3-Dichloropropene
Concen: 52.577 ug/l
RT: 10.075 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VW032059.D
Acq: 11 Aug 2025 11:51

Tgt Ion: 75 Resp: 238970
Ion Ratio Lower Upper
75 100
77 30.2 24.0 36.0
39 45.4 37.8 56.8





#55

1,1,2-Trichloroethane

Concen: 51.716 ug/l

RT: 10.788 min Scan# 1460

Delta R.T. -0.000 min

Lab File: VW032059.D

Acq: 11 Aug 2025 11:51

Instrument :

MSVOA_W

ClientSampleId :

ICVW081125

Tgt Ion: 97 Resp: 127530

Ion Ratio Lower Upper

97 100

83 86.4 66.4 99.6

85 57.2 43.1 64.7

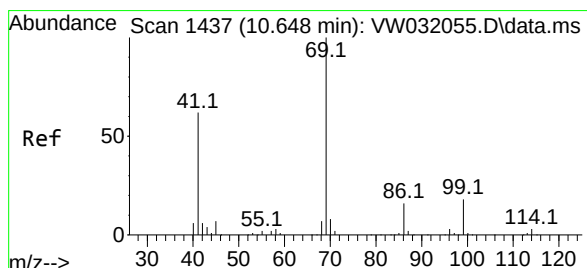
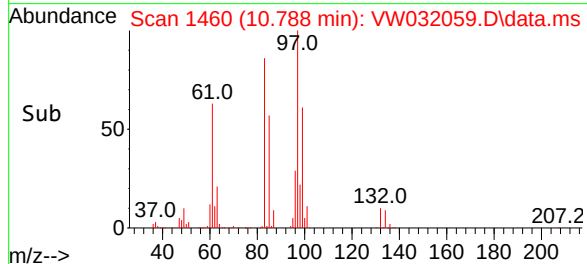
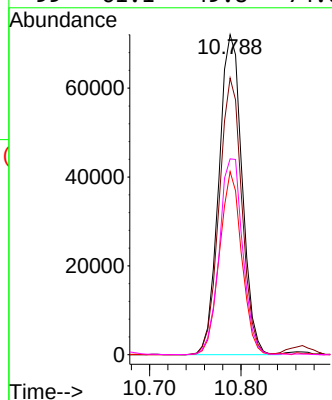
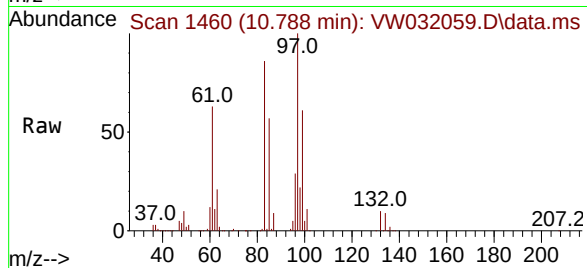
99 61.1 49.8 74.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025

Supervised By :Semsettin Yesilyurt 08/12/2025



#56

Ethyl methacrylate

Concen: 56.374 ug/l

RT: 10.648 min Scan# 1437

Delta R.T. -0.000 min

Lab File: VW032059.D

Acq: 11 Aug 2025 11:51

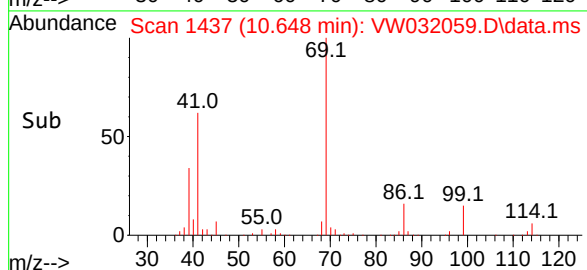
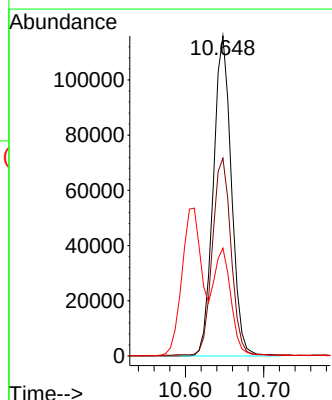
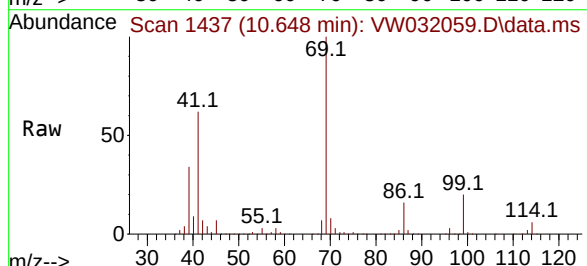
Tgt Ion: 69 Resp: 186039

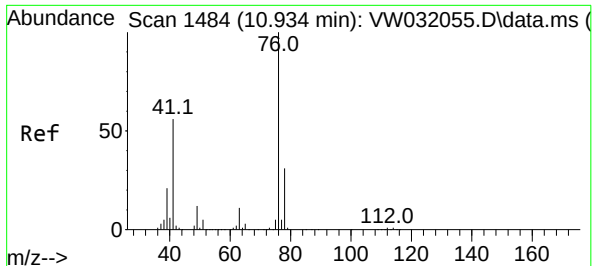
Ion Ratio Lower Upper

69 100

41 64.4 51.2 76.8

39 31.4 25.4 38.0





#57

1,3-Dichloropropane

Concen: 51.186 ug/l

RT: 10.934 min Scan# 1484

Delta R.T. -0.000 min

Lab File: VW032059.D

Acq: 11 Aug 2025 11:51

Instrument :

MSVOA_W

ClientSampleId :

ICVW081125

Tgt Ion: 76 Resp: 22002

Ion Ratio Lower Upper

76 100

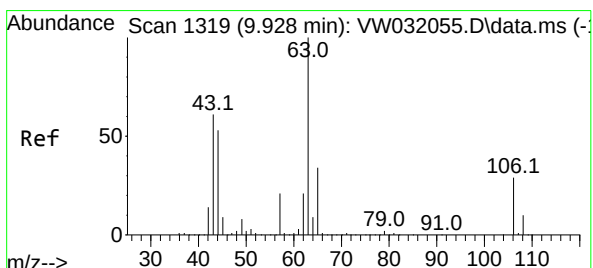
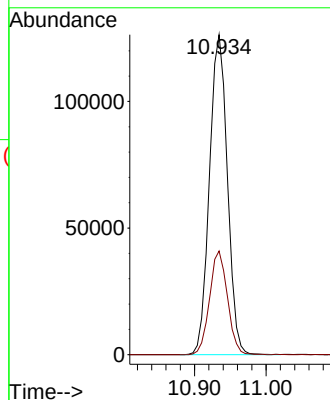
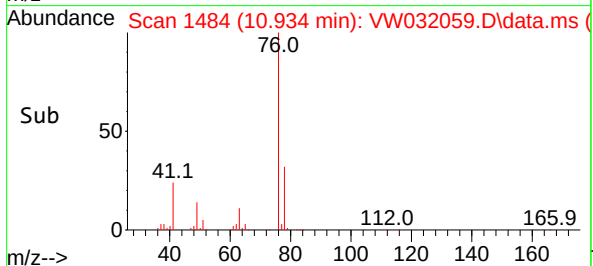
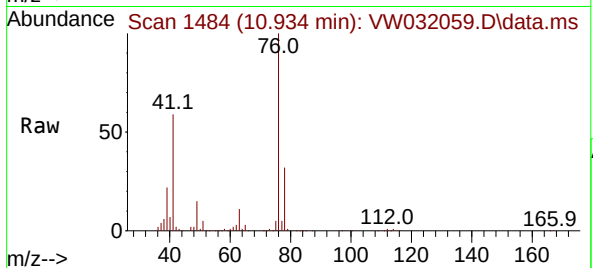
78 32.3 25.8 38.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025

Supervised By :Semsettin Yesilyurt 08/12/2025



#58

2-Chloroethyl Vinyl ether

Concen: 272.893 ug/l

RT: 9.928 min Scan# 1319

Delta R.T. -0.000 min

Lab File: VW032059.D

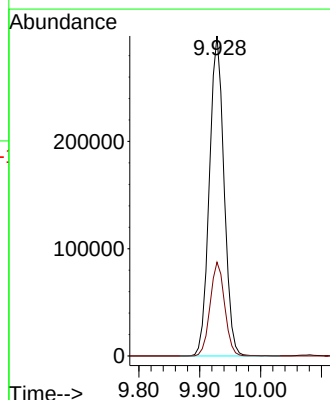
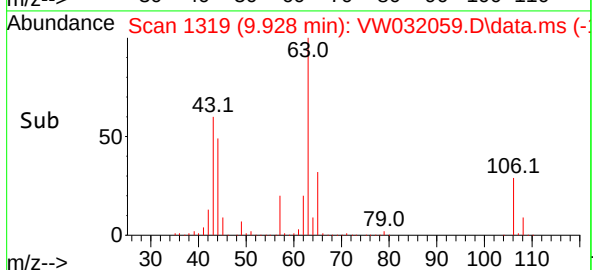
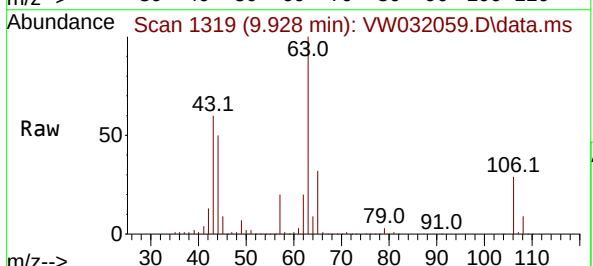
Acq: 11 Aug 2025 11:51

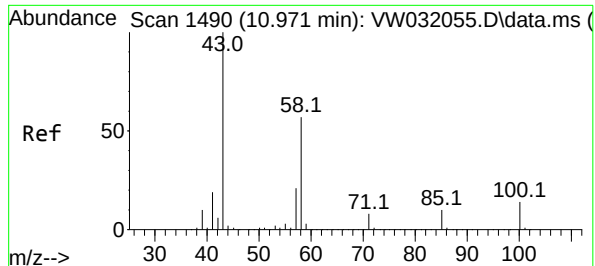
Tgt Ion: 63 Resp: 498131

Ion Ratio Lower Upper

63 100

106 29.0 23.5 35.3





#59

2-Hexanone

Concen: 281.817 ug/l

RT: 10.971 min Scan# 1490

Delta R.T. -0.000 min

Lab File: VW032059.D

Acq: 11 Aug 2025 11:51

Instrument :

MSVOA_W

ClientSampleId :

ICVW081125

Tgt Ion: 43 Resp: 45708

Ion Ratio Lower Upper

43 100

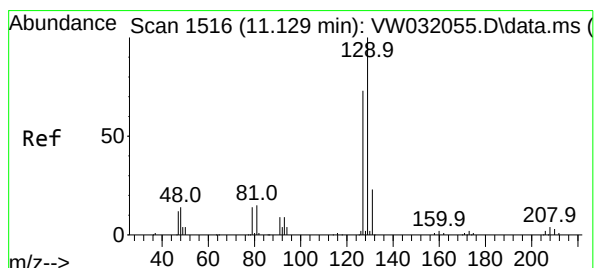
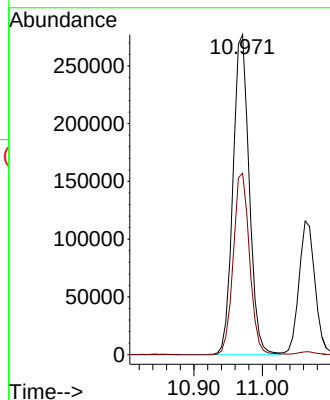
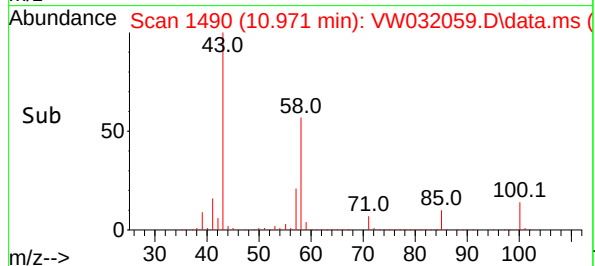
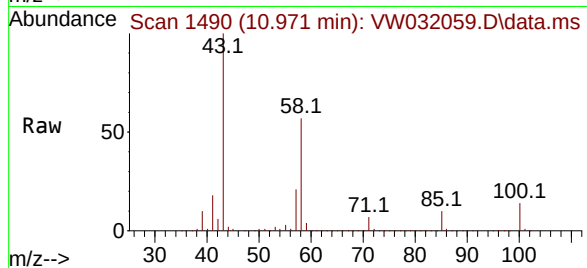
58 56.8 28.3 85.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025

Supervised By :Semsettin Yesilyurt 08/12/2025



#60

Dibromochloromethane

Concen: 52.276 ug/l

RT: 11.129 min Scan# 1516

Delta R.T. -0.000 min

Lab File: VW032059.D

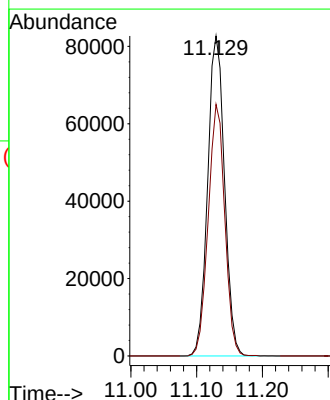
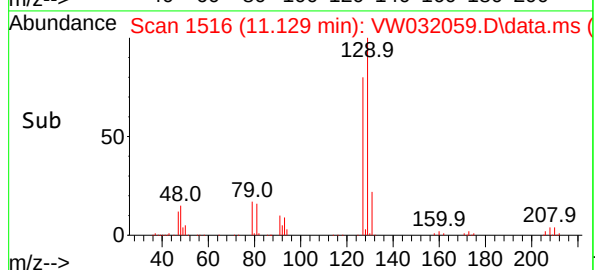
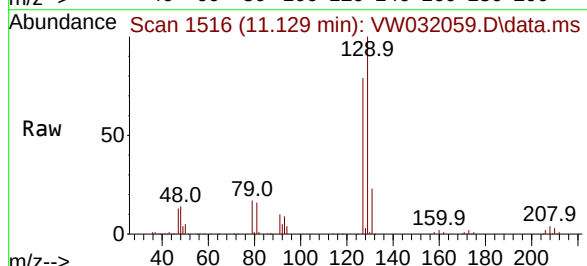
Acq: 11 Aug 2025 11:51

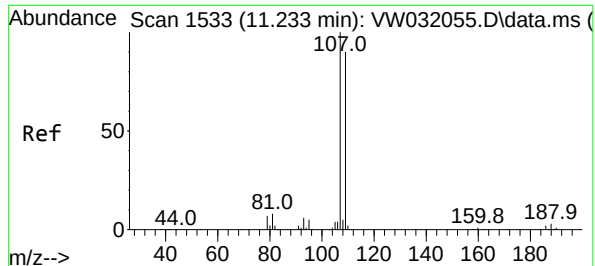
Tgt Ion:129 Resp: 147264

Ion Ratio Lower Upper

129 100

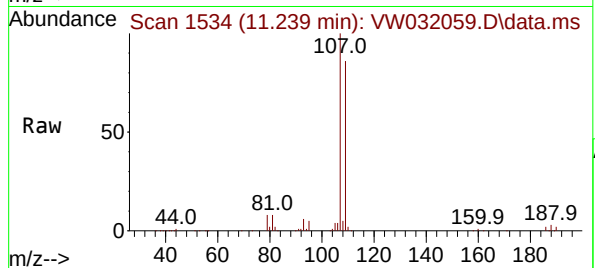
127 77.5 39.0 116.9





#61
1,2-Dibromoethane
Concen: 52.603 ug/l
RT: 11.239 min Scan# 1533
Delta R.T. 0.006 min
Lab File: VW032059.D
Acq: 11 Aug 2025 11:51

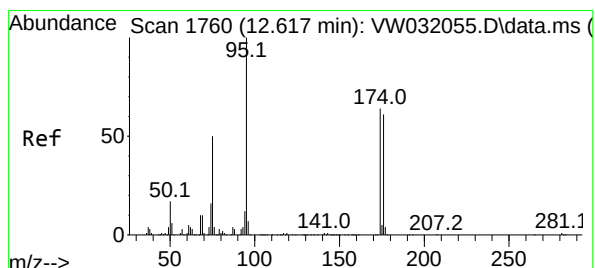
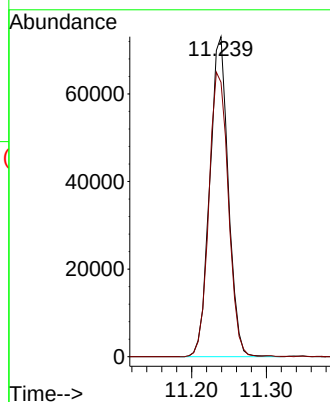
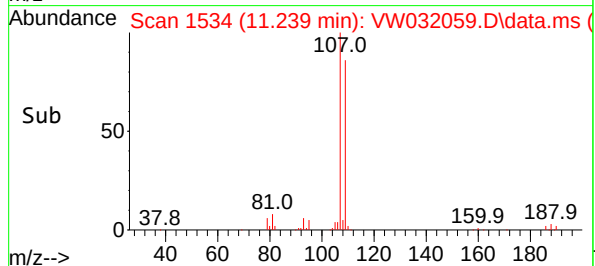
Instrument :
MSVOA_W
ClientSampleId :
ICVW081125



Tgt Ion:107 Resp: 126064
Ion Ratio Lower Upper
107 100
109 93.2 74.2 111.4

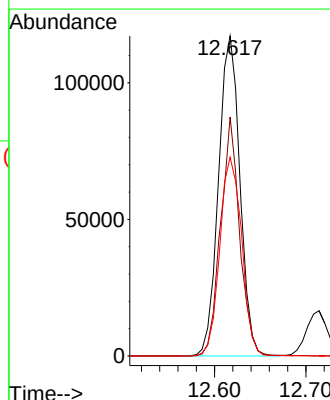
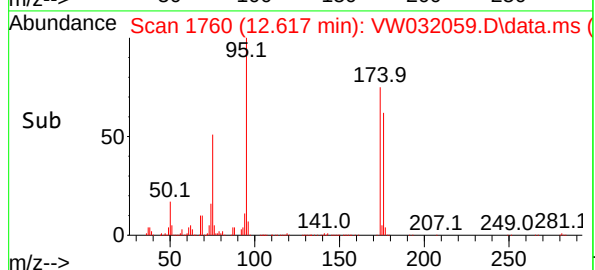
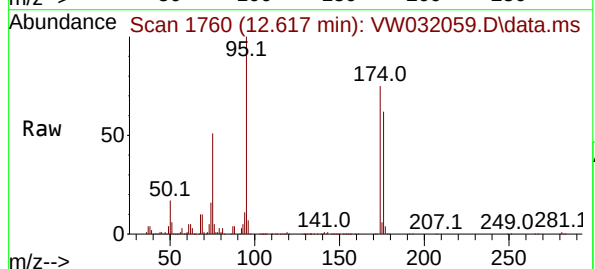
Manual Integrations
APPROVED

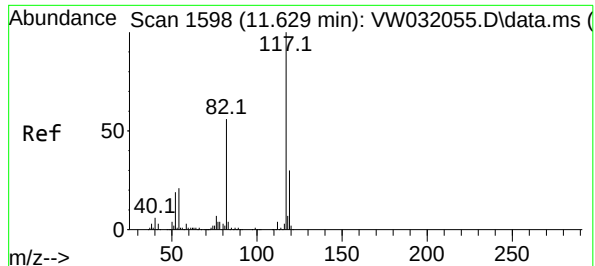
Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025



#62
4-Bromofluorobenzene
Concen: 51.460 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032059.D
Acq: 11 Aug 2025 11:51

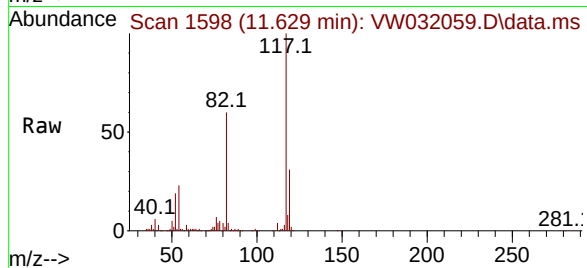
Tgt Ion: 95 Resp: 190514
Ion Ratio Lower Upper
95 100
174 66.7 0.0 129.0
176 63.5 0.0 124.6





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1159
Delta R.T. -0.000 min
Lab File: VW032059.D
Acq: 11 Aug 2025 11:51

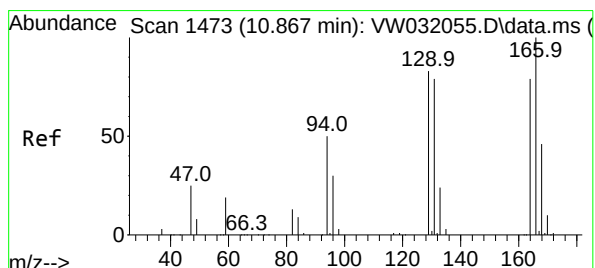
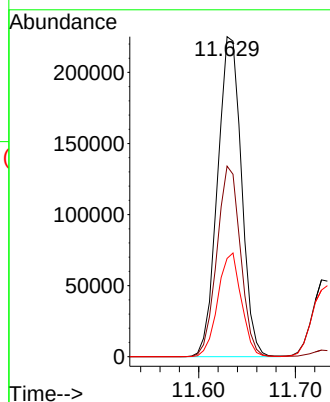
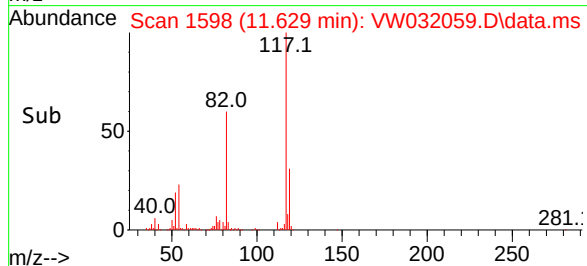
Instrument :
MSVOA_W
ClientSampleId :
ICVW081125



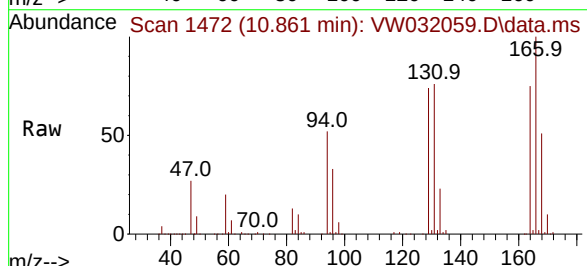
Tgt Ion:117 Resp: 386850
Ion Ratio Lower Upper
117 100
82 59.5 45.0 67.4
119 30.7 24.2 36.4

Manual Integrations
APPROVED

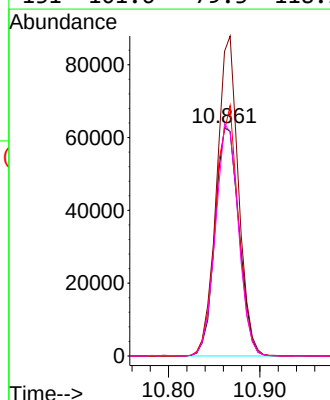
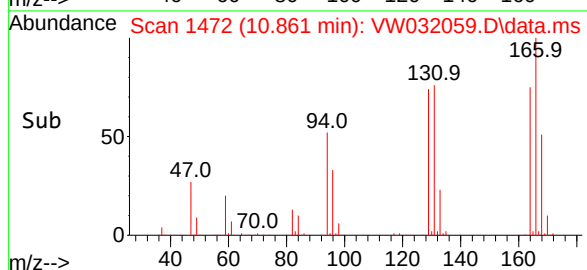
Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025

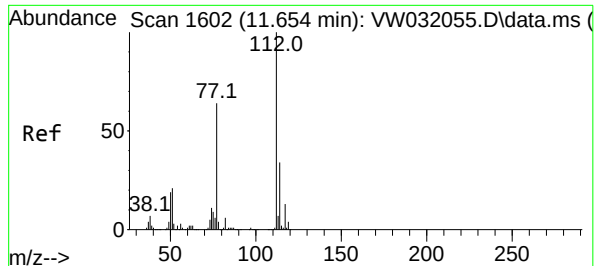


#64
Tetrachloroethene
Concen: 51.245 ug/l
RT: 10.861 min Scan# 1472
Delta R.T. -0.006 min
Lab File: VW032059.D
Acq: 11 Aug 2025 11:51



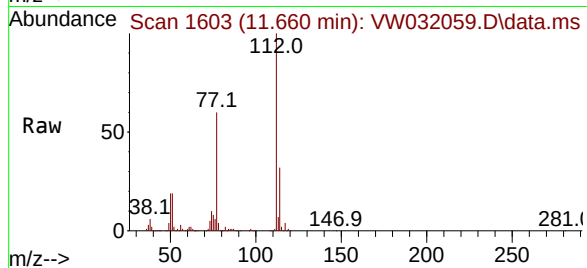
Tgt Ion:164 Resp: 114507
Ion Ratio Lower Upper
164 100
166 133.3 100.9 151.3
129 98.7 83.6 125.4
131 101.6 79.3 118.9





#65
Chlorobenzene
Concen: 49.461 ug/l
RT: 11.660 min Scan# 1603
Delta R.T. 0.006 min
Lab File: VW032059.D
Acq: 11 Aug 2025 11:51

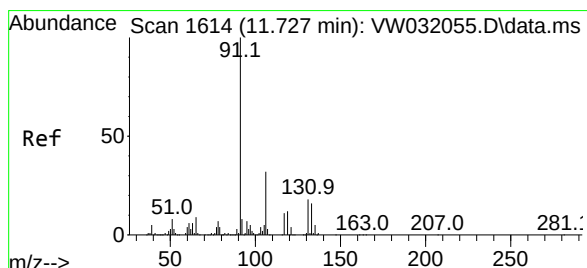
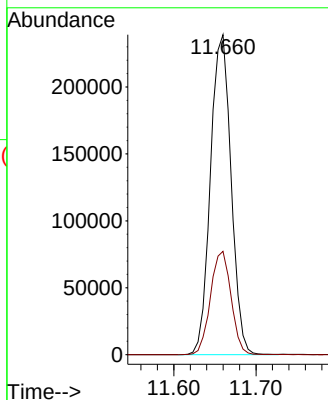
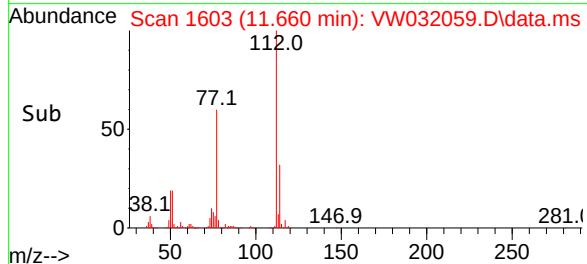
Instrument :
MSVOA_W
ClientSampleId :
ICVW081125



Tgt Ion:112 Resp: 41648
Ion Ratio Lower Upper
112 100
114 32.3 26.9 40.3

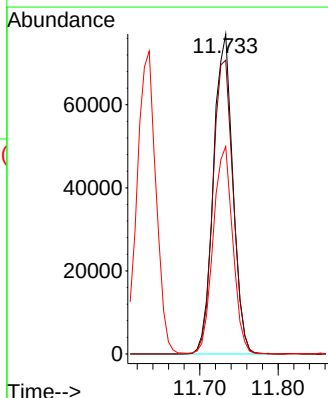
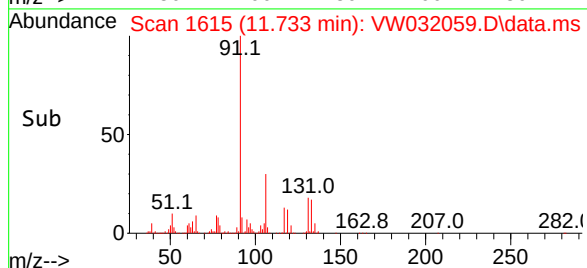
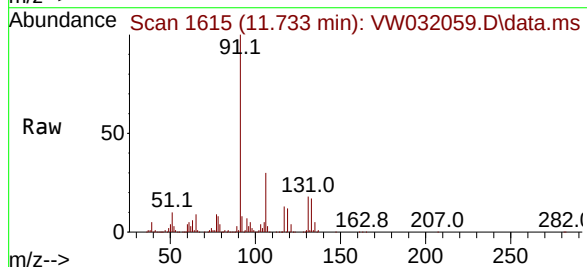
Manual Integrations
APPROVED

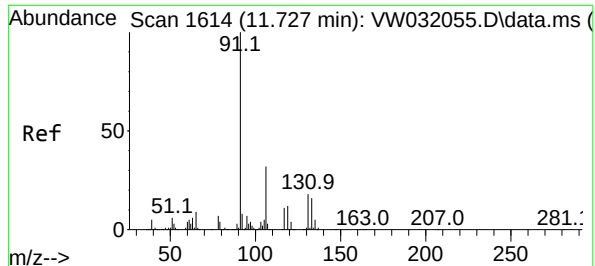
Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 50.324 ug/l
RT: 11.733 min Scan# 1615
Delta R.T. 0.006 min
Lab File: VW032059.D
Acq: 11 Aug 2025 11:51

Tgt Ion:131 Resp: 132212
Ion Ratio Lower Upper
131 100
133 95.8 47.3 142.0
119 65.7 34.5 103.5





#67

Ethyl Benzene

Concen: 50.253 ug/l

RT: 11.727 min Scan# 1614

Delta R.T. -0.000 min

Lab File: VW032059.D

Acq: 11 Aug 2025 11:51

Instrument :

MSVOA_W

ClientSampleId :

ICVW081125

Tgt Ion: 91 Resp: 71675

Ion Ratio Lower Upper

91 100

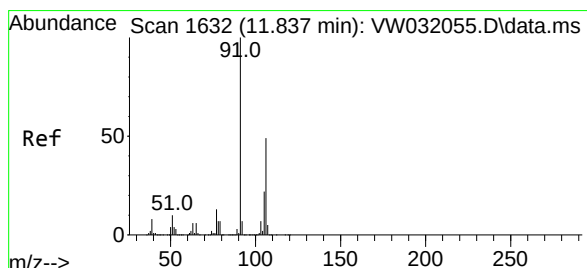
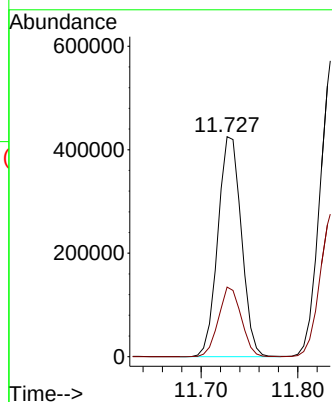
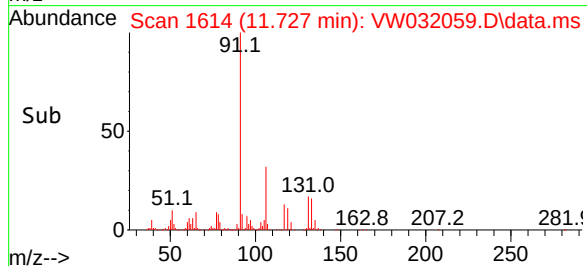
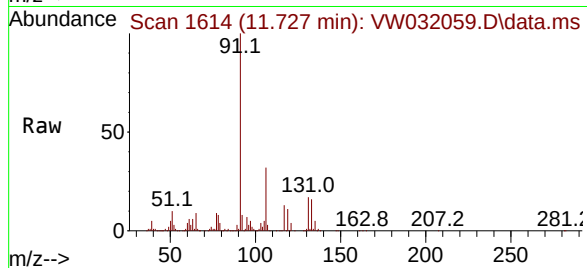
106 31.6 25.4 38.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025

Supervised By :Semsettin Yesilyurt 08/12/2025



#68

m/p-Xylenes

Concen: 101.607 ug/l

RT: 11.837 min Scan# 1632

Delta R.T. -0.000 min

Lab File: VW032059.D

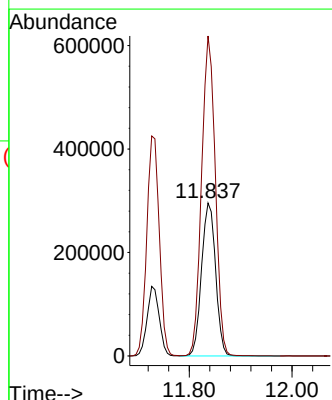
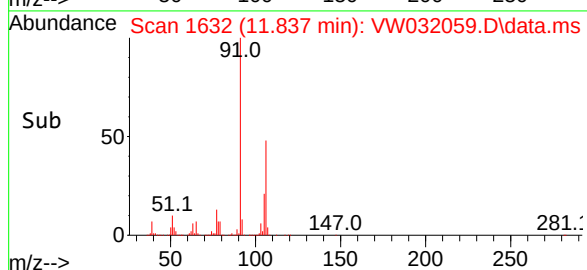
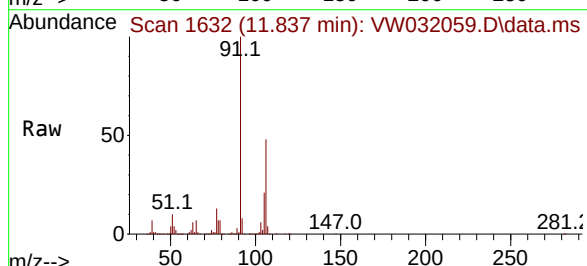
Acq: 11 Aug 2025 11:51

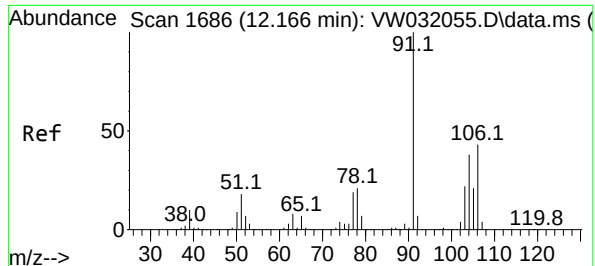
Tgt Ion:106 Resp: 559216

Ion Ratio Lower Upper

106 100

91 204.9 162.2 243.2





#69

o-Xylene

Concen: 51.416 ug/l

RT: 12.160 min Scan# 1

Delta R.T. -0.006 min

Lab File: VW032059.D

Acq: 11 Aug 2025 11:51

Instrument :

MSVOA_W

ClientSampleId :

ICVW081125

Tgt Ion:106 Resp: 26154

Ion Ratio Lower Upper

106 100

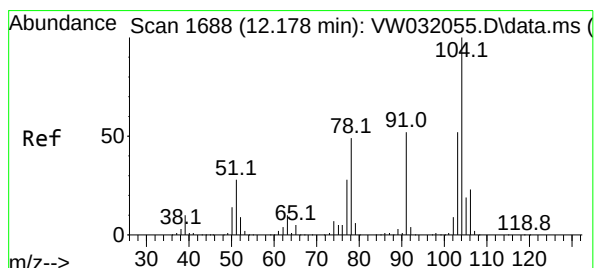
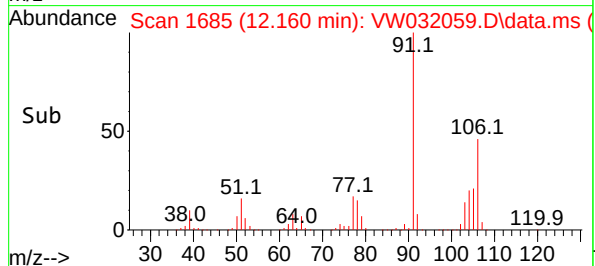
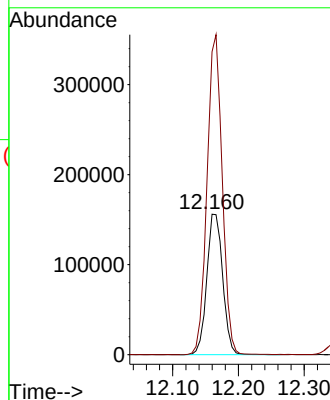
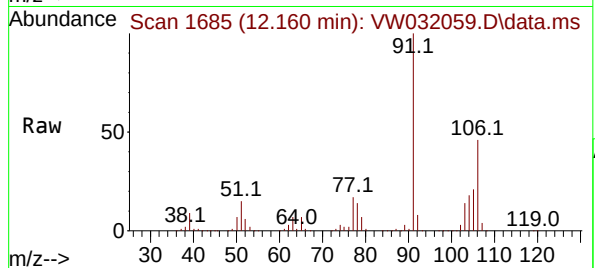
91 218.6 110.8 332.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025

Supervised By :Semsettin Yesilyurt 08/12/2025



#70

Styrene

Concen: 51.833 ug/l

RT: 12.178 min Scan# 1688

Delta R.T. -0.000 min

Lab File: VW032059.D

Acq: 11 Aug 2025 11:51

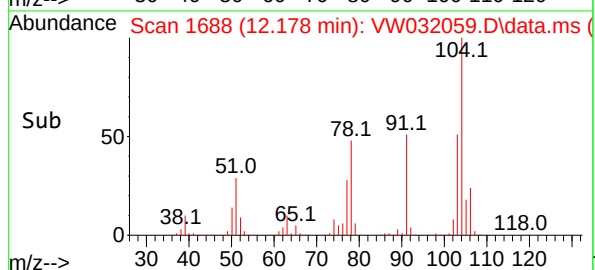
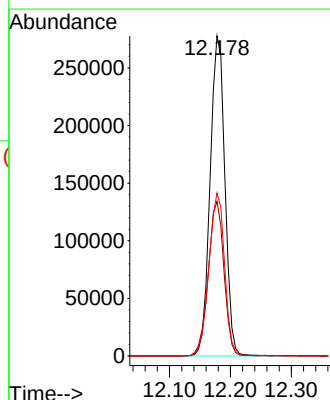
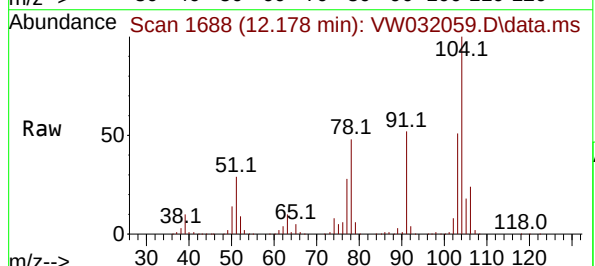
Tgt Ion:104 Resp: 468335

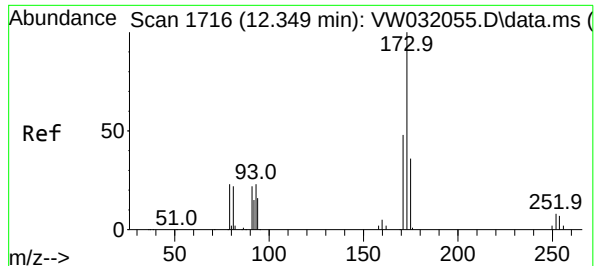
Ion Ratio Lower Upper

104 100

78 51.2 41.2 61.8

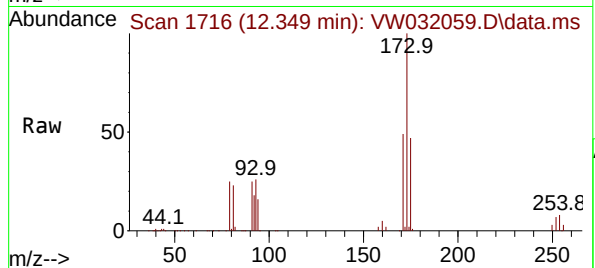
103 53.9 43.8 65.8





#71
Bromoform
Concen: 54.945 ug/l
RT: 12.349 min Scan# 1716
Delta R.T. -0.000 min
Lab File: VW032059.D
Acq: 11 Aug 2025 11:51

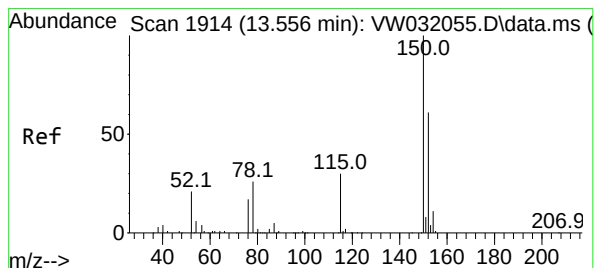
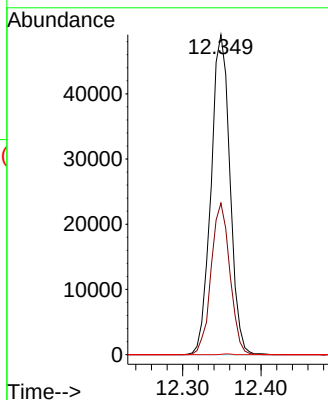
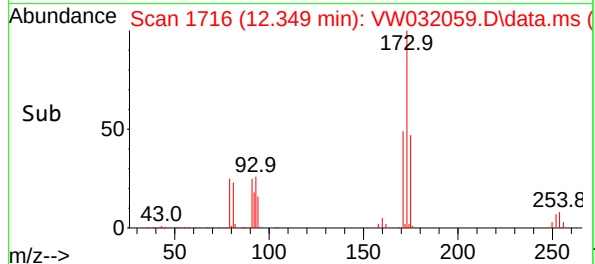
Instrument :
MSVOA_W
ClientSampleId :
ICVW081125



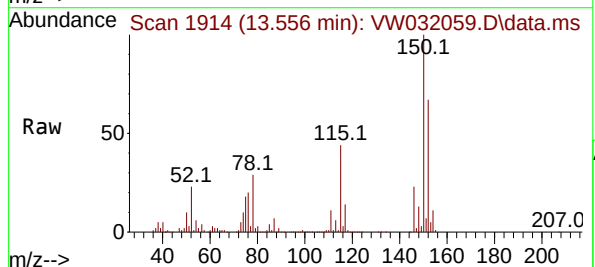
Tgt Ion:173 Resp: 82577
Ion Ratio Lower Upper
173 100
175 46.9 22.9 68.7
254 0.1 0.0 0.0

Manual Integrations
APPROVED

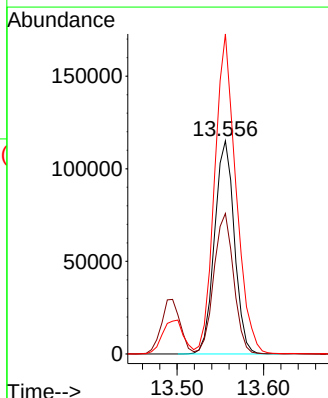
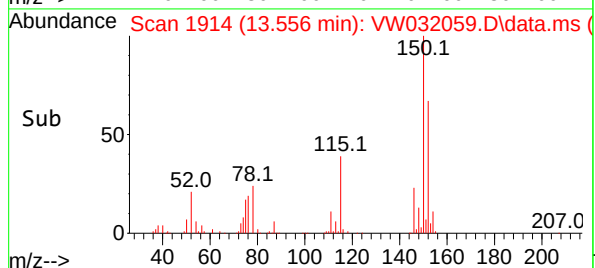
Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025

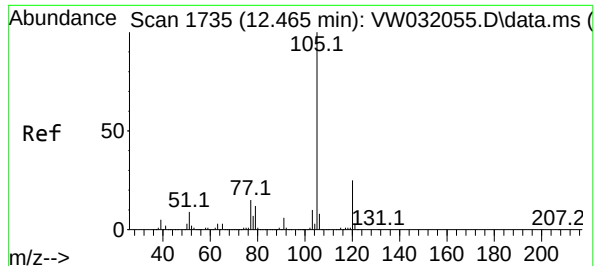


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. -0.000 min
Lab File: VW032059.D
Acq: 11 Aug 2025 11:51



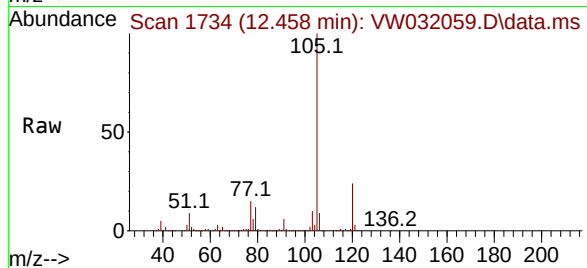
Tgt Ion:152 Resp: 182577
Ion Ratio Lower Upper
152 100
115 65.8 32.6 97.8
150 162.0 0.0 359.4





#73
Isopropylbenzene
Concen: 52.571 ug/l
RT: 12.458 min Scan# 1734
Delta R.T. -0.006 min
Lab File: VW032059.D
Acq: 11 Aug 2025 11:51

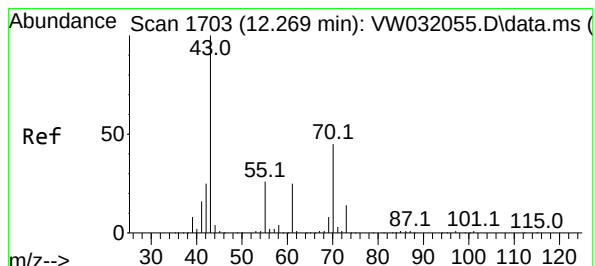
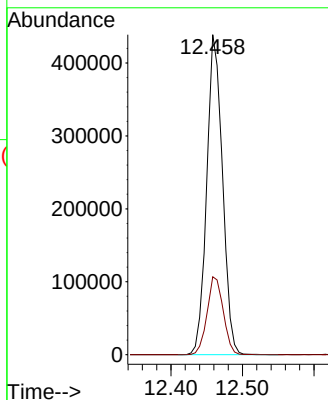
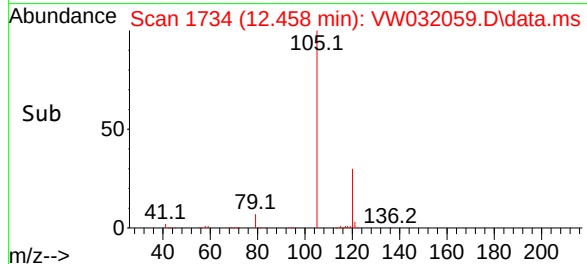
Instrument :
MSVOA_W
ClientSampleId :
ICVW081125



Tgt Ion:105 Resp: 670779
Ion Ratio Lower Upper
105 100
120 25.0 12.8 38.4

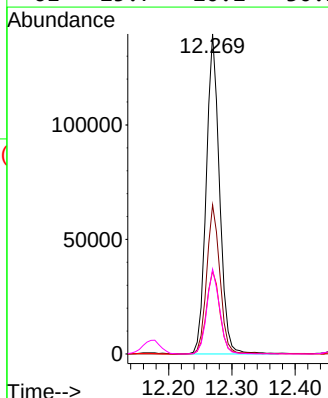
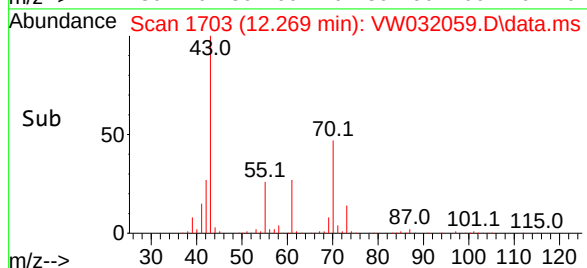
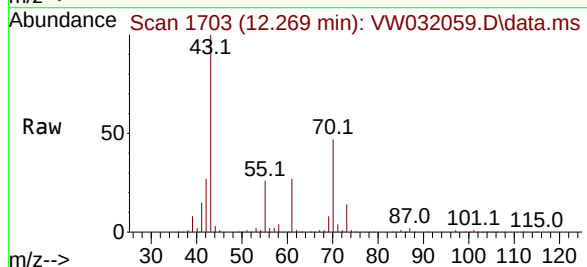
Manual Integrations
APPROVED

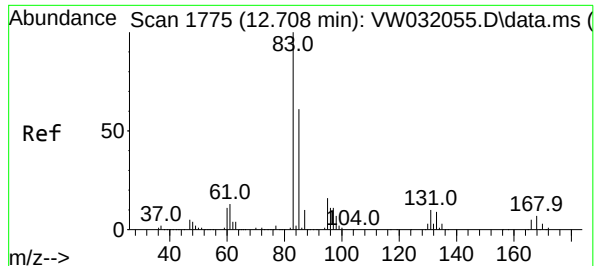
Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025



#74
N-ethyl acetate
Concen: 55.682 ug/l
RT: 12.269 min Scan# 1703
Delta R.T. -0.000 min
Lab File: VW032059.D
Acq: 11 Aug 2025 11:51

Tgt Ion: 43 Resp: 203837
Ion Ratio Lower Upper
43 100
70 46.3 37.0 55.4
55 26.5 21.1 31.7
61 25.7 20.2 30.2





#75

1,1,2,2-Tetrachloroethane

Concen: 52.514 ug/l

RT: 12.714 min Scan# 1775

Delta R.T. 0.006 min

Lab File: VW032059.D

Acq: 11 Aug 2025 11:51

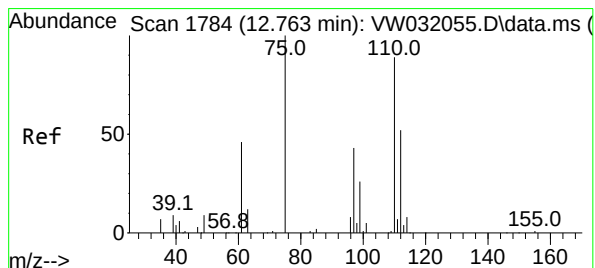
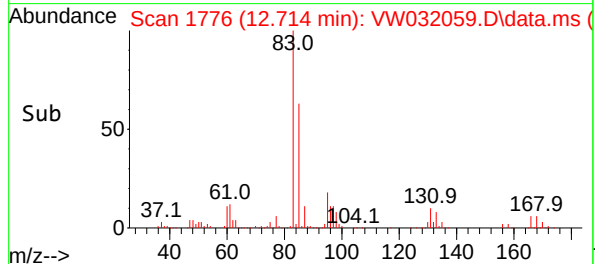
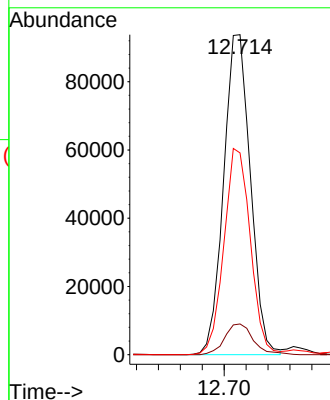
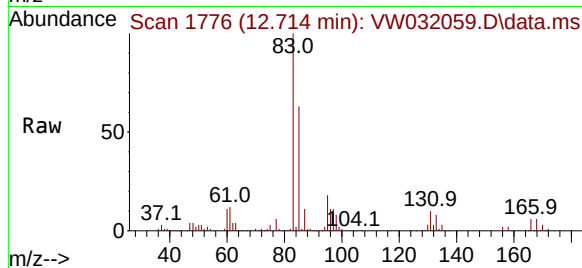
Instrument :

MSVOA_W

ClientSampleId :

ICVW081125

Tgt Ion:	83	Resp:	15909
Ion Ratio	Lower	Upper	
83	100		
131	10.2	5.1	15.4
85	63.5	32.2	96.6

Manual Integrations
APPROVEDReviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025

#76

1,2,3-Trichloropropane

Concen: 48.091 ug/l m

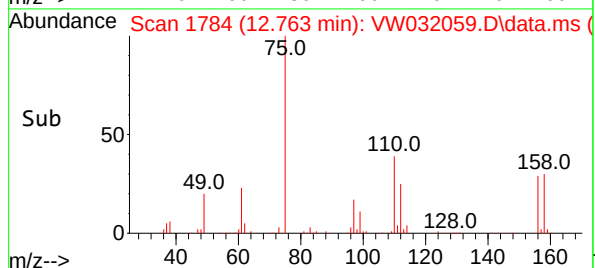
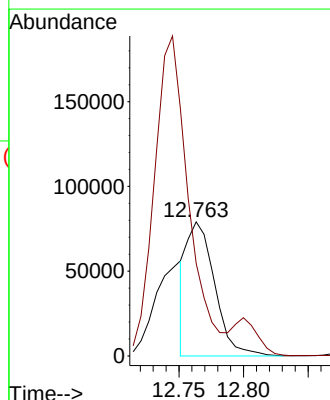
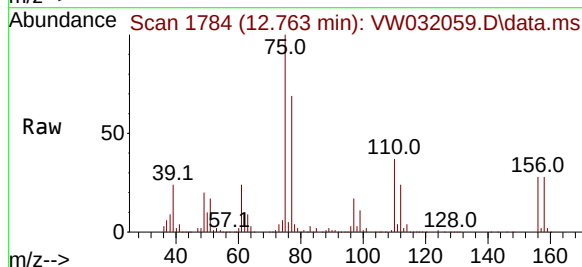
RT: 12.763 min Scan# 1784

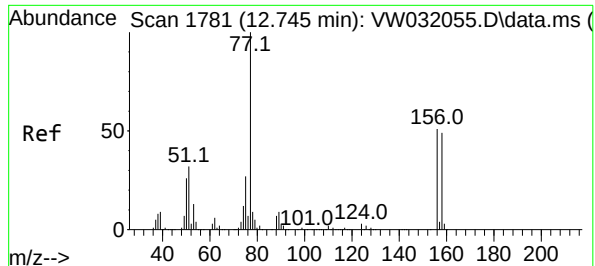
Delta R.T. -0.000 min

Lab File: VW032059.D

Acq: 11 Aug 2025 11:51

Tgt Ion:	75	Resp:	119168
Ion Ratio	Lower	Upper	
75	100		
77	294.4	123.5	370.5





#77

Bromobenzene

Concen: 49.886 ug/l

RT: 12.745 min Scan# 1781

Delta R.T. -0.000 min

Lab File: VW032059.D

Acq: 11 Aug 2025 11:51

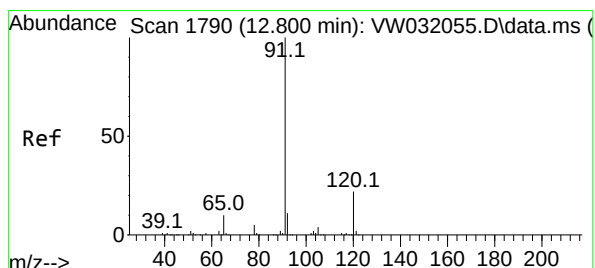
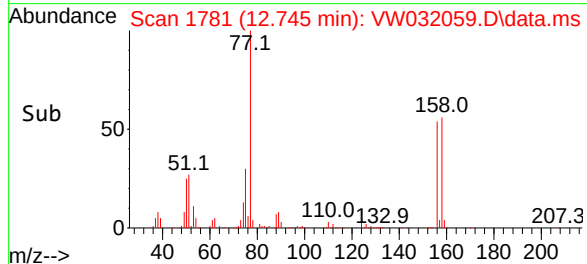
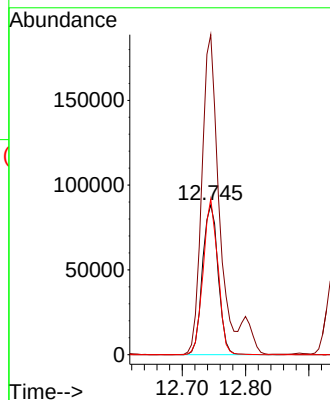
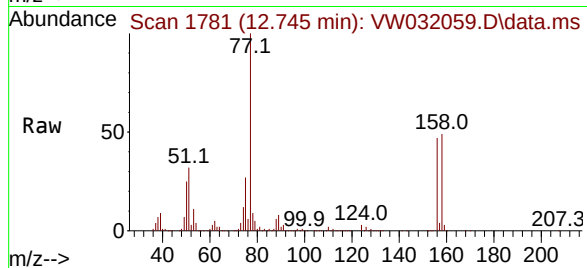
Instrument :

MSVOA_W

ClientSampleId :

ICVW081125

Tgt Ion:	156	Resp:	152028
Ion Ratio	Lower	Upper	
156	100		
77	230.8	108.7	326.3
158	98.3	48.3	144.9

Manual Integrations
APPROVEDReviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025

#78

n-propylbenzene

Concen: 51.148 ug/l

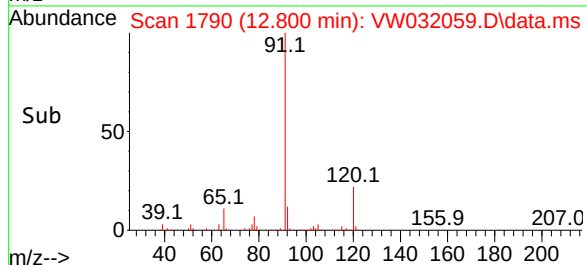
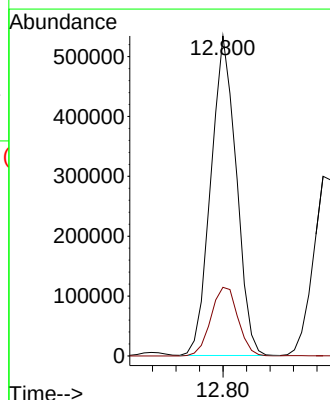
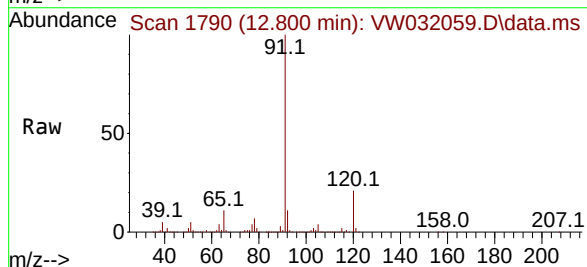
RT: 12.800 min Scan# 1790

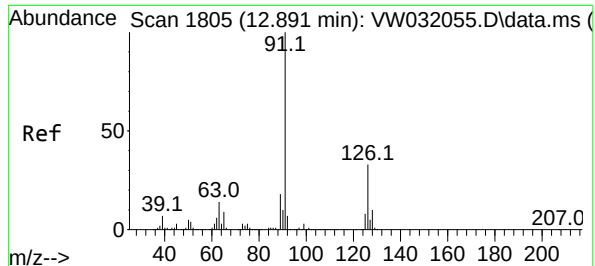
Delta R.T. -0.000 min

Lab File: VW032059.D

Acq: 11 Aug 2025 11:51

Tgt Ion:	91	Resp:	803474
Ion Ratio	Lower	Upper	
91	100		
120	22.9	11.1	33.3





#79

2-Chlorotoluene

Concen: 51.114 ug/l

RT: 12.885 min Scan# 1804

Delta R.T. -0.006 min

Lab File: VW032059.D

Acq: 11 Aug 2025 11:51

Instrument :

MSVOA_W

ClientSampleId :

ICVW081125

Tgt Ion: 91 Resp: 49556

Ion Ratio Lower Upper

91 100

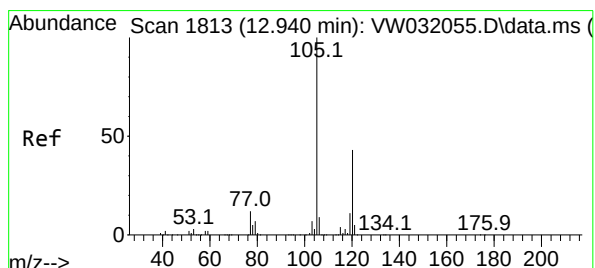
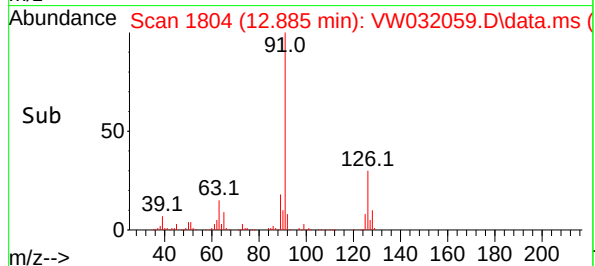
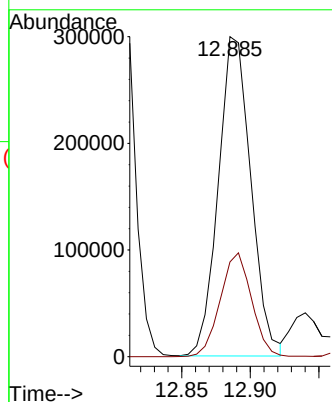
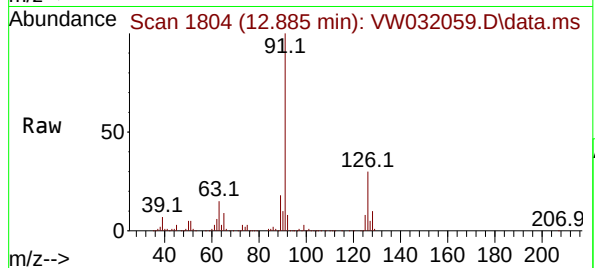
126 31.3 15.9 47.7

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025

Supervised By :Semsettin Yesilyurt 08/12/2025



#80

1,3,5-Trimethylbenzene

Concen: 52.291 ug/l

RT: 12.940 min Scan# 1813

Delta R.T. -0.000 min

Lab File: VW032059.D

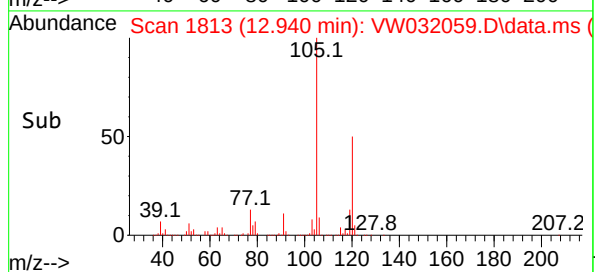
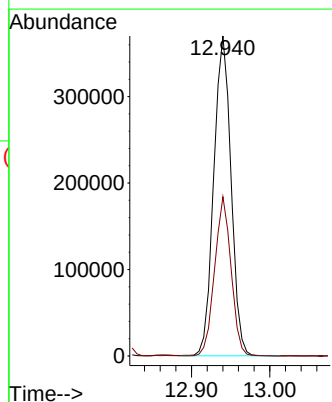
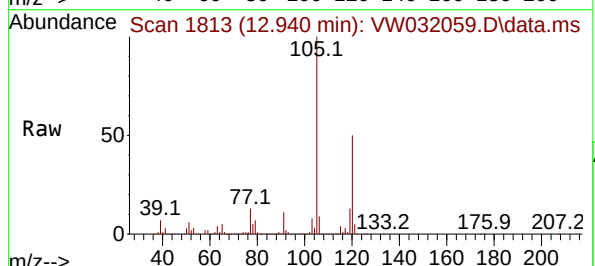
Acq: 11 Aug 2025 11:51

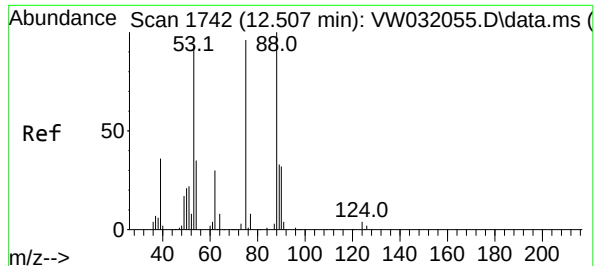
Tgt Ion:105 Resp: 566437

Ion Ratio Lower Upper

105 100

120 47.4 23.4 70.0





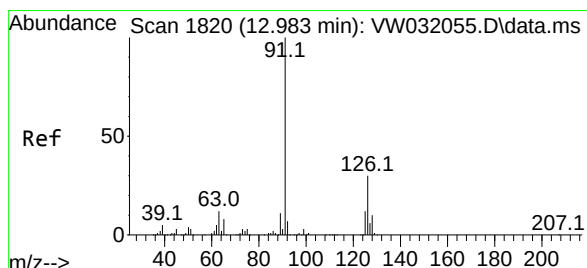
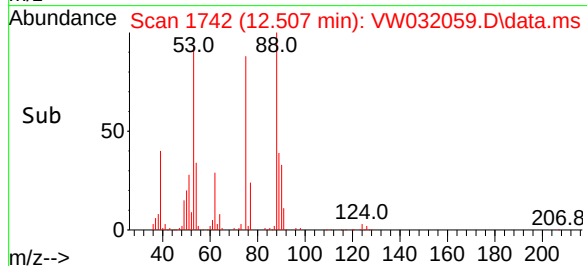
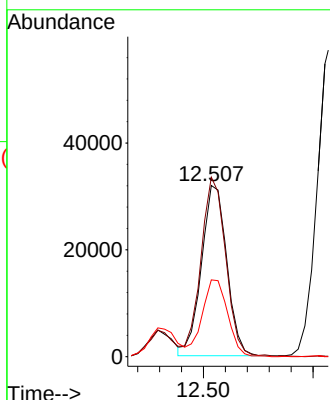
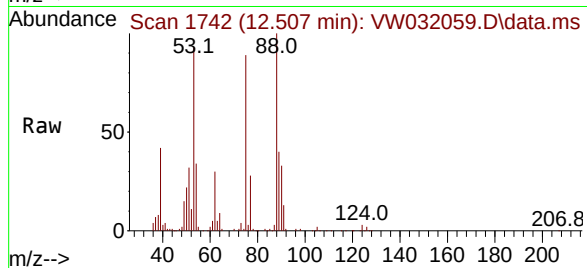
#81
trans-1,4-Dichloro-2-butene
Concen: 53.570 ug/l
RT: 12.507 min Scan# 1742
Delta R.T. -0.000 min
Lab File: VW032059.D
Acq: 11 Aug 2025 11:51

Instrument :
MSVOA_W
ClientSampleId :
ICVW081125

Tgt Ion: 75 Resp: 51275
Ion Ratio Lower Upper
75 100
53 104.4 81.0 121.6
89 45.7 37.3 55.9

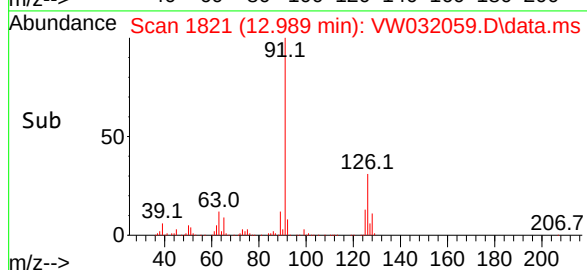
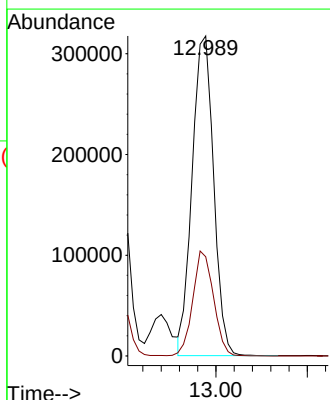
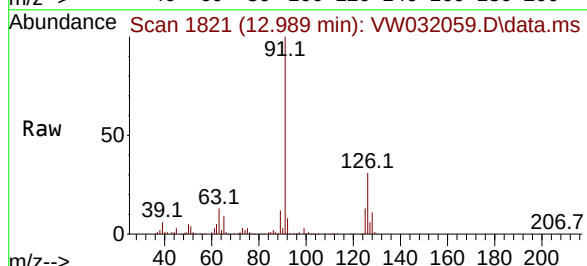
Manual Integrations
APPROVED

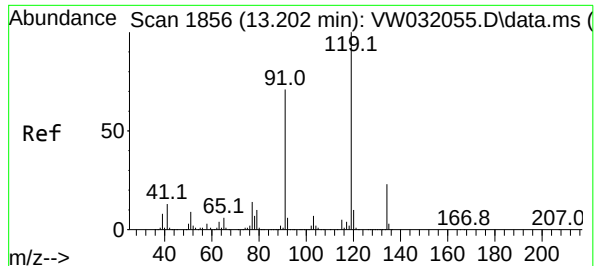
Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025



#82
4-Chlorotoluene
Concen: 50.312 ug/l
RT: 12.989 min Scan# 1821
Delta R.T. 0.006 min
Lab File: VW032059.D
Acq: 11 Aug 2025 11:51

Tgt Ion: 91 Resp: 518248
Ion Ratio Lower Upper
91 100
126 31.7 15.5 46.5





#83

tert-Butylbenzene

Concen: 53.777 ug/l

RT: 13.202 min Scan# 1856

Delta R.T. -0.000 min

Lab File: VW032059.D

Acq: 11 Aug 2025 11:51

Instrument :

MSVOA_W

ClientSampleId :

ICVW081125

Tgt Ion:119 Resp: 483459

Ion Ratio Lower Upper

119 100

91 67.8 35.3 105.9

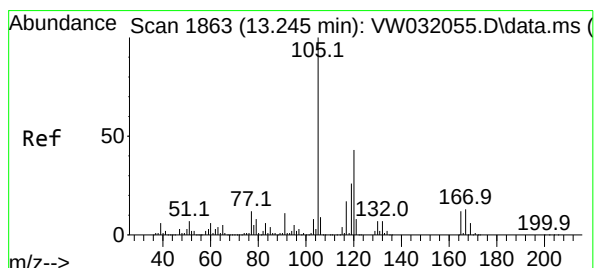
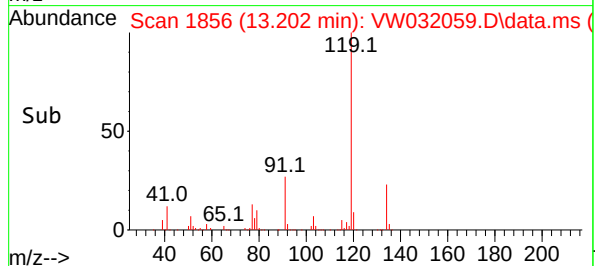
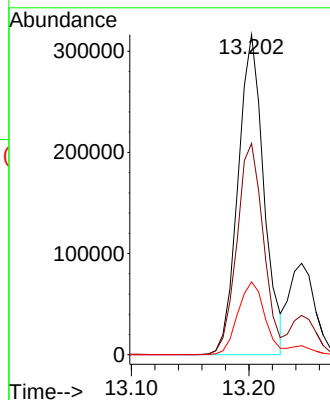
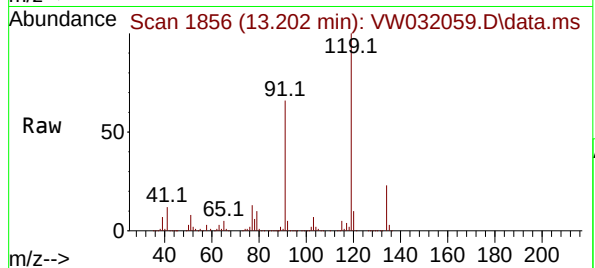
134 23.9 12.1 36.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025

Supervised By :Semsettin Yesilyurt 08/12/2025



#84

1,2,4-Trimethylbenzene

Concen: 53.308 ug/l

RT: 13.245 min Scan# 1863

Delta R.T. -0.000 min

Lab File: VW032059.D

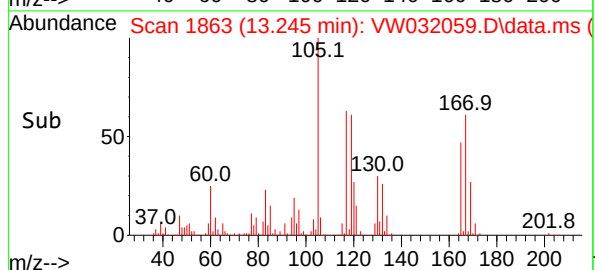
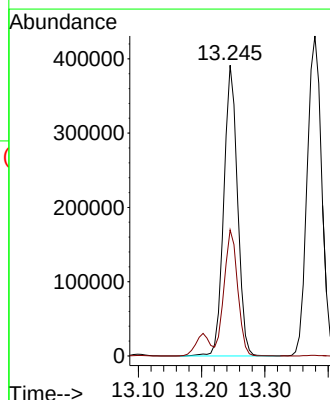
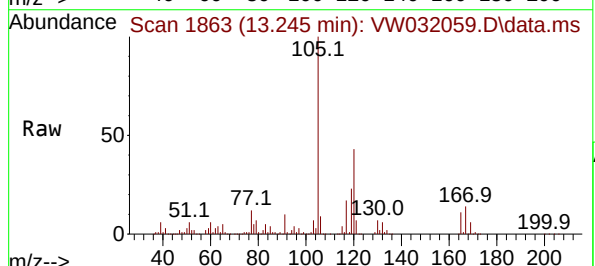
Acq: 11 Aug 2025 11:51

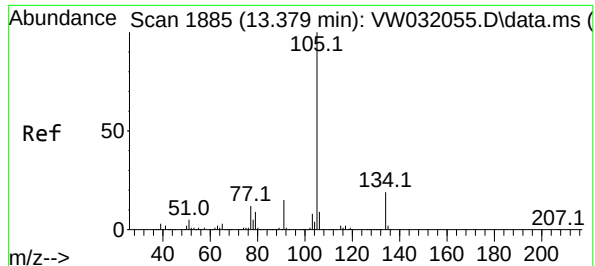
Tgt Ion:105 Resp: 587831

Ion Ratio Lower Upper

105 100

120 42.8 21.6 64.8





#85

sec-Butylbenzene

Concen: 50.571 ug/l

RT: 13.379 min Scan# 1885

Delta R.T. -0.000 min

Lab File: VW032059.D

Acq: 11 Aug 2025 11:51

Instrument :

MSVOA_W

ClientSampleId :

ICVW081125

Tgt Ion:105 Resp: 68736

Ion Ratio Lower Upper

105 100

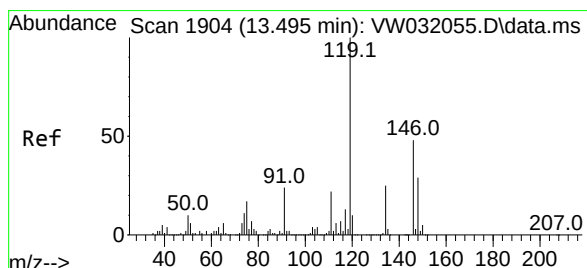
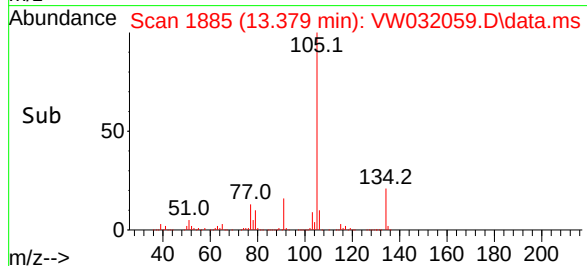
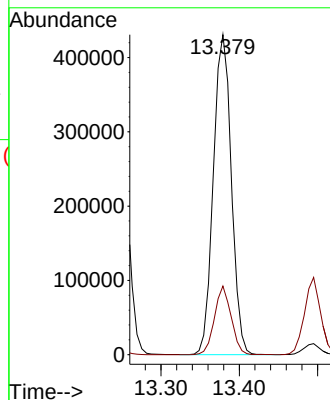
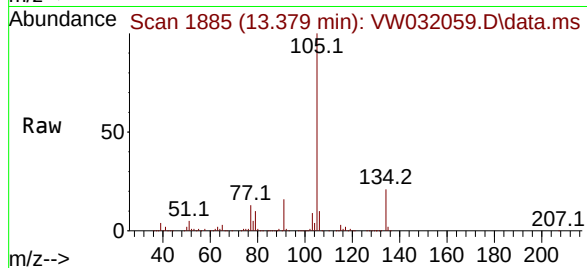
134 19.8 9.9 29.7

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025

Supervised By :Semsettin Yesilyurt 08/12/2025



#86

p-Isopropyltoluene

Concen: 51.580 ug/l

RT: 13.495 min Scan# 1904

Delta R.T. -0.000 min

Lab File: VW032059.D

Acq: 11 Aug 2025 11:51

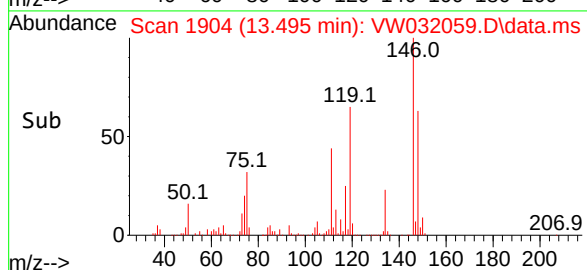
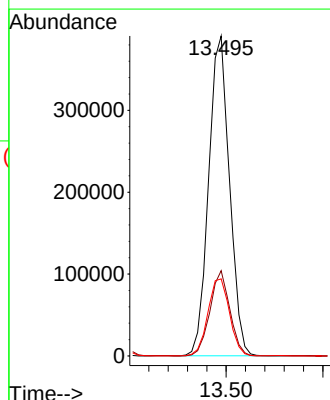
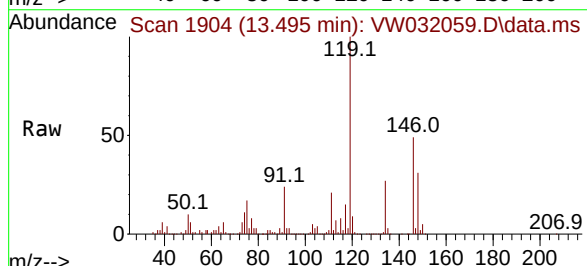
Tgt Ion:119 Resp: 584473

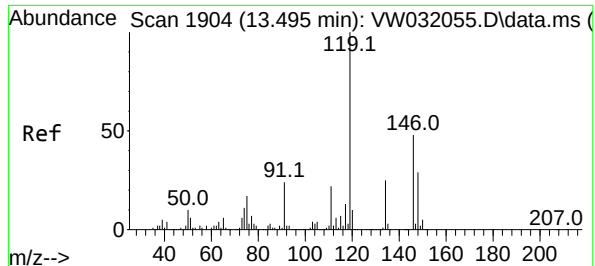
Ion Ratio Lower Upper

119 100

134 25.5 12.4 37.0

91 24.9 12.1 36.3





#87

1,3-Dichlorobenzene

Concen: 50.304 ug/l

RT: 13.495 min Scan# 1904

Delta R.T. -0.000 min

Lab File: VW032059.D

Acq: 11 Aug 2025 11:51

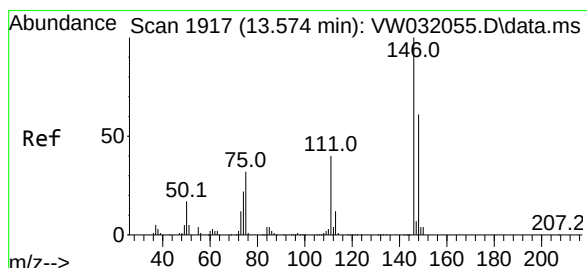
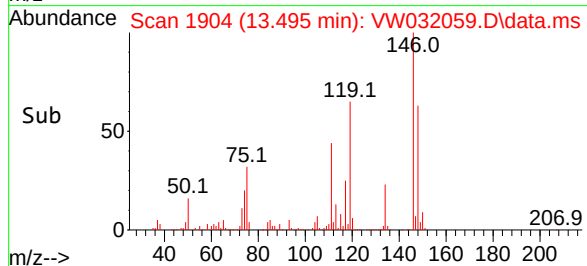
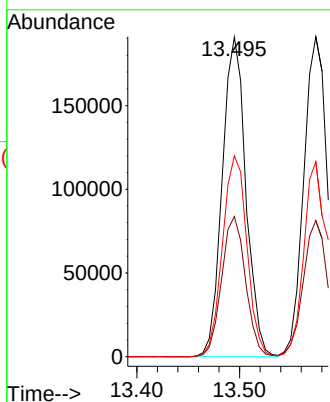
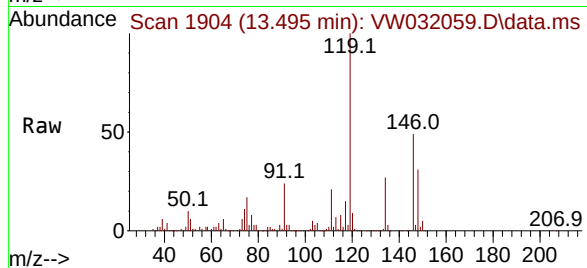
Instrument :

MSVOA_W

ClientSampleId :

ICVW081125

Tgt Ion:146	Resp: 30504
Ion Ratio	Lower Upper
146	100
111	44.3 21.2 63.6
148	64.8 30.3 90.8

Manual Integrations
APPROVEDReviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025

#88

1,4-Dichlorobenzene

Concen: 49.942 ug/l

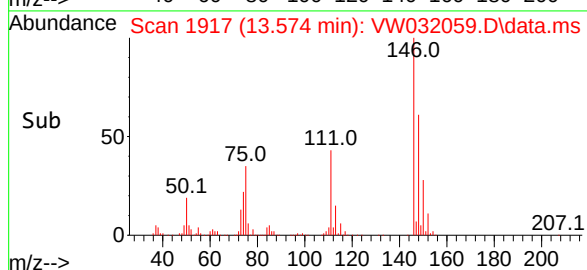
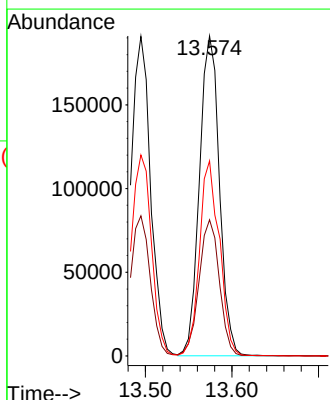
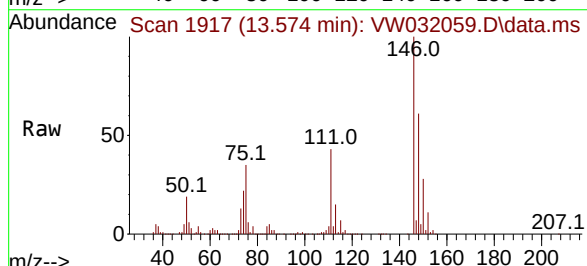
RT: 13.574 min Scan# 1917

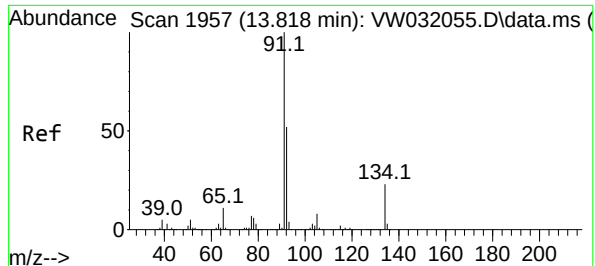
Delta R.T. -0.000 min

Lab File: VW032059.D

Acq: 11 Aug 2025 11:51

Tgt Ion:146	Resp: 306047
Ion Ratio	Lower Upper
146	100
111	43.7 21.6 64.6
148	60.9 32.0 96.2





#89

n-Butylbenzene

Concen: 51.958 ug/l

RT: 13.818 min Scan# 1957

Delta R.T. -0.000 min

Lab File: VW032059.D

Acq: 11 Aug 2025 11:51

Instrument :

MSVOA_W

ClientSampleId :

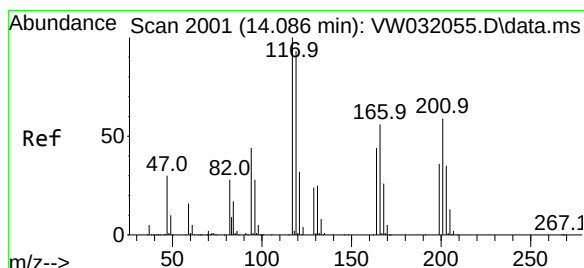
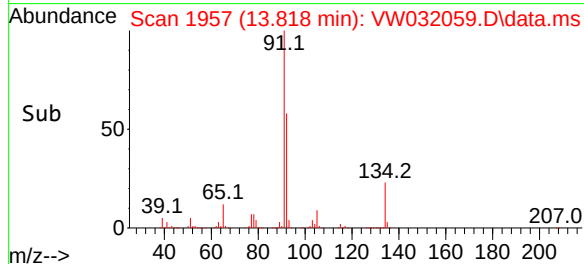
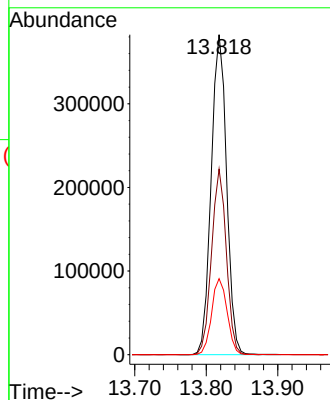
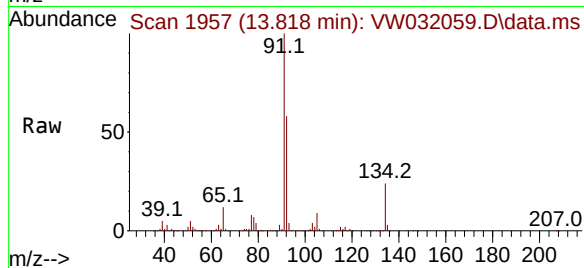
ICVW081125

Tgt Ion:	91	Resp:	571978
Ion	Ratio	Lower	Upper
91	100		
92	55.7	26.7	80.1
134	23.9	12.0	36.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025



#90

Hexachloroethane

Concen: 50.329 ug/l

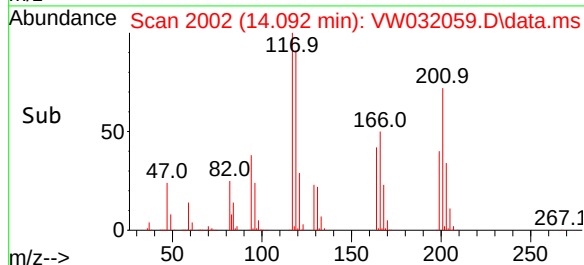
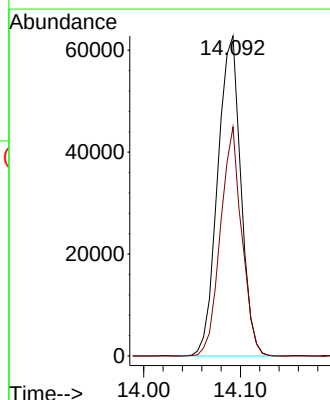
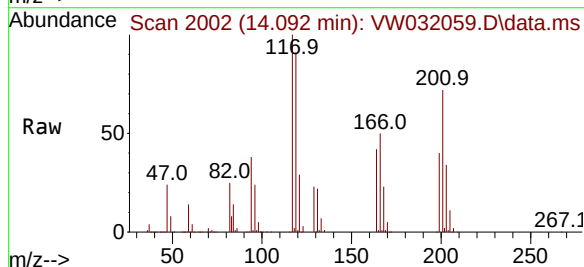
RT: 14.092 min Scan# 2002

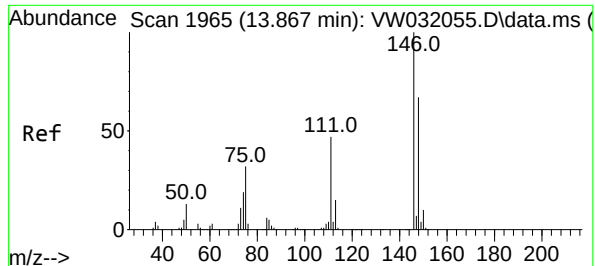
Delta R.T. 0.006 min

Lab File: VW032059.D

Acq: 11 Aug 2025 11:51

Tgt Ion:	117	Resp:	104295
Ion	Ratio	Lower	Upper
117	100		
201	65.9	30.9	92.5





#91

1,2-Dichlorobenzene

Concen: 50.926 ug/l

RT: 13.867 min Scan# 1965

Delta R.T. -0.000 min

Lab File: VW032059.D

Acq: 11 Aug 2025 11:51

Instrument :

MSVOA_W

ClientSampleId :

ICVW081125

Tgt Ion:146 Resp: 27974

Ion Ratio Lower Upper

146 100

111 46.4 23.1 69.3

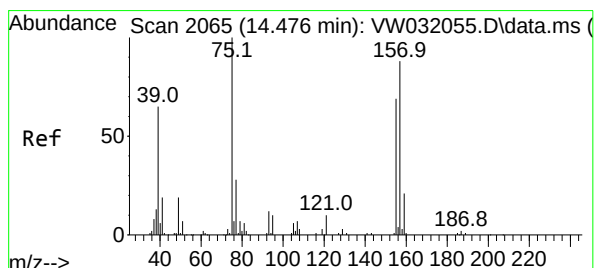
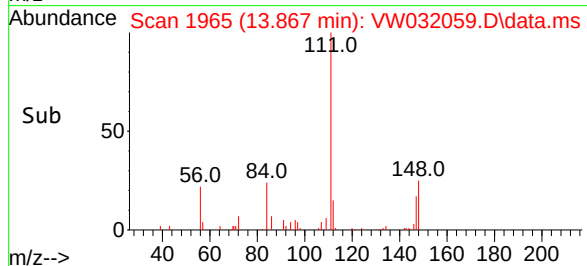
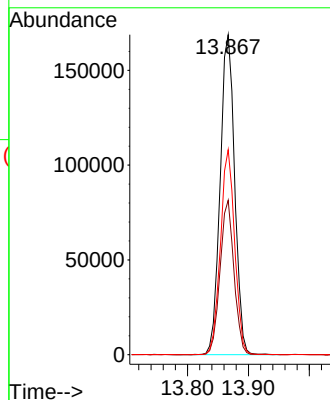
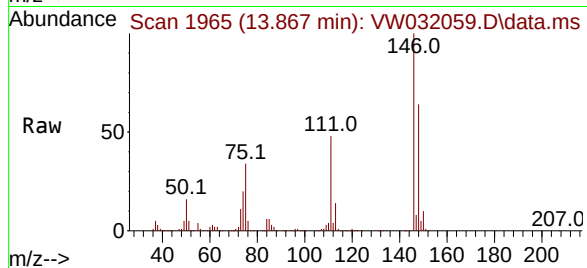
148 63.0 32.9 98.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025

Supervised By :Semsettin Yesilyurt 08/12/2025



#92

1,2-Dibromo-3-Chloropropane

Concen: 53.872 ug/l

RT: 14.482 min Scan# 2066

Delta R.T. 0.006 min

Lab File: VW032059.D

Acq: 11 Aug 2025 11:51

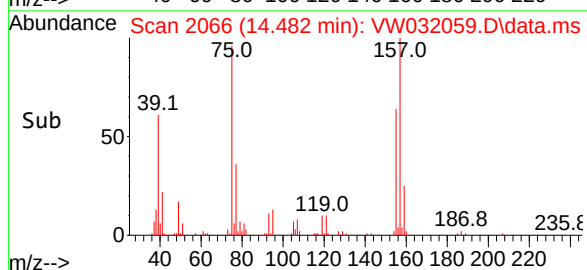
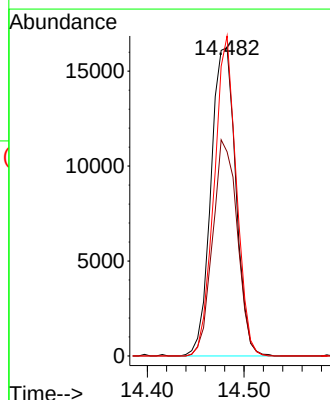
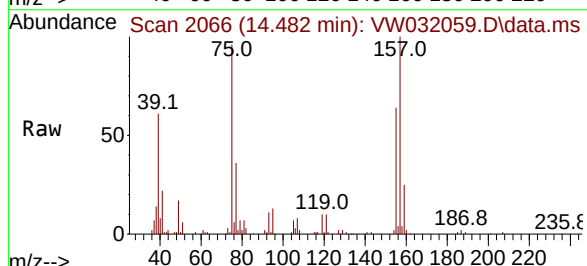
Tgt Ion: 75 Resp: 29014

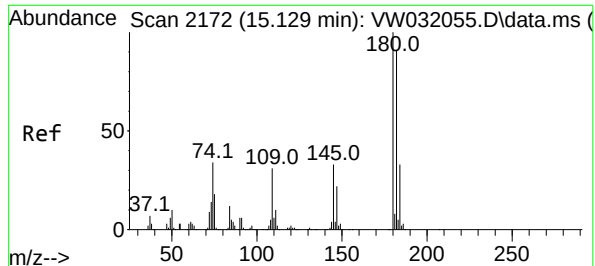
Ion Ratio Lower Upper

75 100

155 69.2 35.2 105.6

157 92.2 47.5 142.6





#93

1,2,4-Trichlorobenzene

Concen: 52.764 ug/l

RT: 15.123 min Scan# 2171

Delta R.T. -0.006 min

Lab File: VW032059.D

Acq: 11 Aug 2025 11:51

Instrument :

MSVOA_W

ClientSampleId :

ICVW081125

Tgt Ion:180 Resp: 17338

Ion Ratio Lower Upper

180 100

182 85.4 49.0 147.0

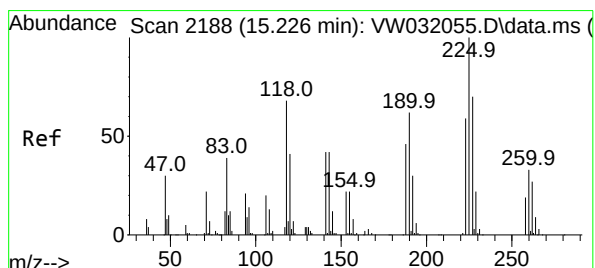
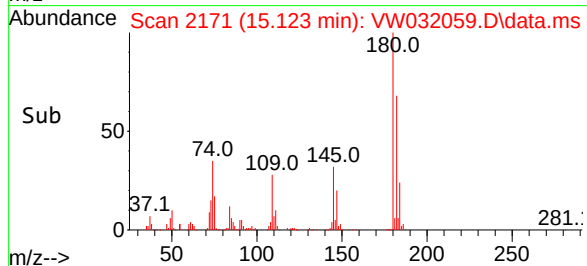
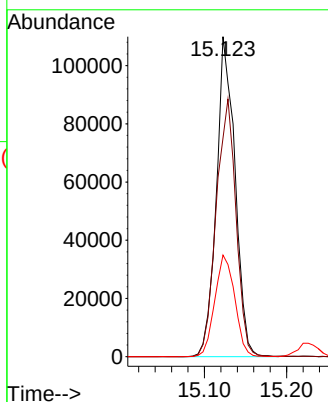
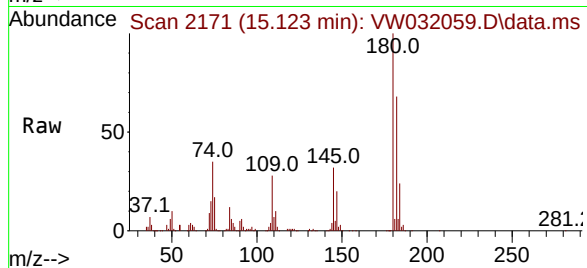
145 34.1 17.3 51.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025

Supervised By :Semsettin Yesilyurt 08/12/2025



#94

Hexachlorobutadiene

Concen: 51.262 ug/l

RT: 15.226 min Scan# 2188

Delta R.T. -0.000 min

Lab File: VW032059.D

Acq: 11 Aug 2025 11:51

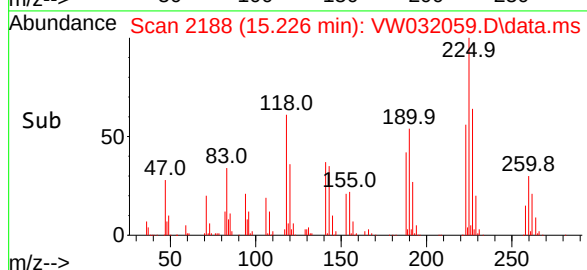
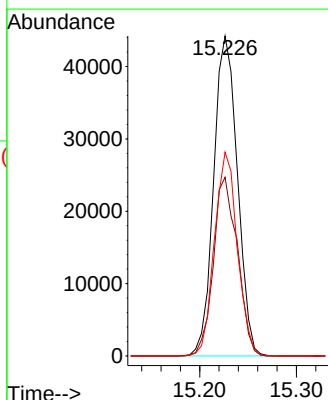
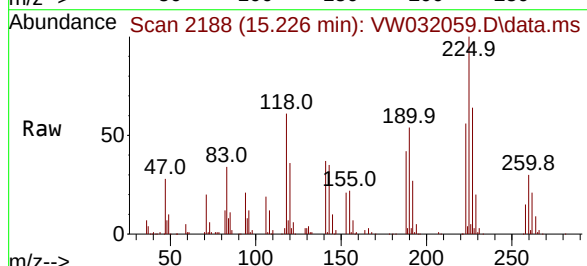
Tgt Ion:225 Resp: 75299

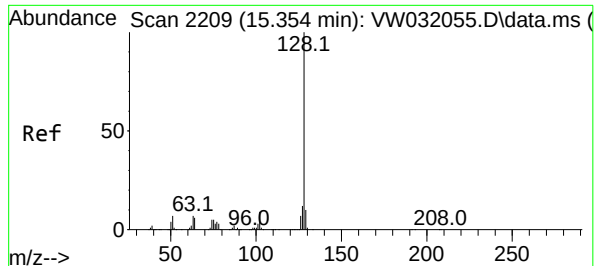
Ion Ratio Lower Upper

225 100

223 56.5 31.8 95.3

227 61.3 33.5 100.5





#95

Naphthalene

Concen: 54.415 ug/l

RT: 15.360 min Scan# 2210

Delta R.T. 0.006 min

Lab File: VW032059.D

Acq: 11 Aug 2025 11:51

Instrument :

MSVOA_W

ClientSampleId :

ICVW081125

Tgt Ion:128 Resp: 438139

Ion Ratio Lower Upper

128 100

127 13.2 10.5 15.7

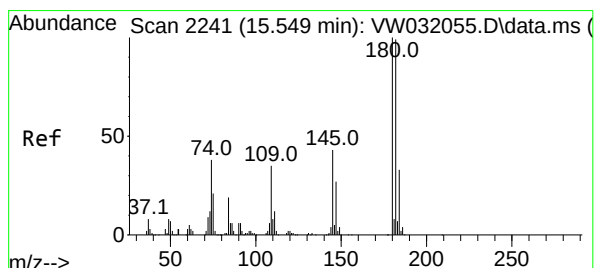
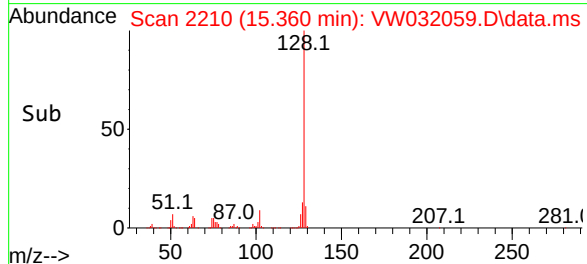
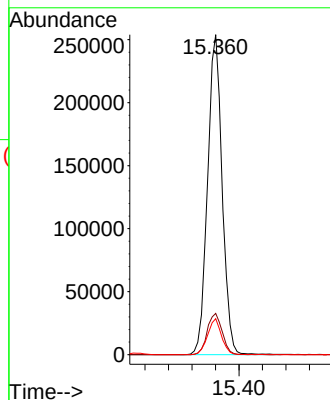
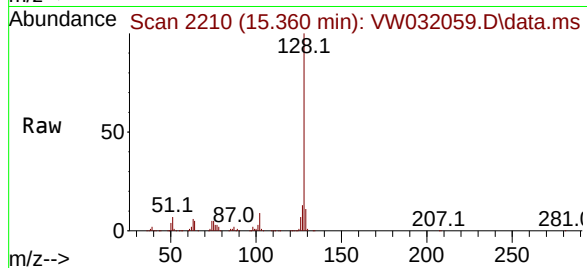
129 10.7 8.2 12.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025

Supervised By :Semsettin Yesilyurt 08/12/2025



#96

1,2,3-Trichlorobenzene

Concen: 54.327 ug/l

RT: 15.549 min Scan# 2241

Delta R.T. -0.000 min

Lab File: VW032059.D

Acq: 11 Aug 2025 11:51

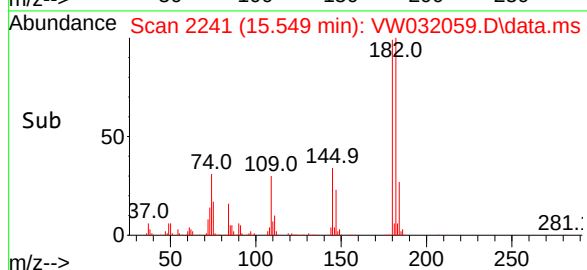
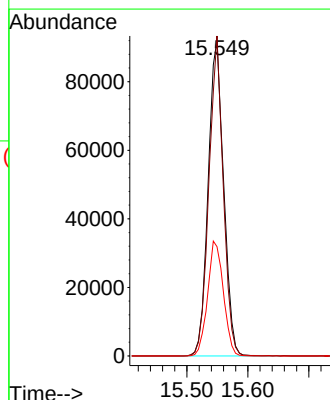
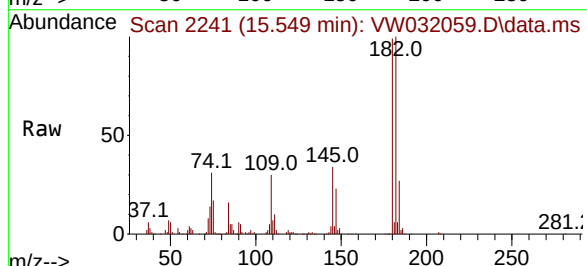
Tgt Ion:180 Resp: 162431

Ion Ratio Lower Upper

180 100

182 93.5 46.0 138.0

145 37.1 19.2 57.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081125\
Data File : VW032059.D
Acq On : 11 Aug 2025 11:51
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ICVVW081125

Quant Time: Aug 12 04:12:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 12 04:04:48 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	1.000	1.000	0.0	101	0.00
2 T	Dichlorodifluoromethane	0.358	0.308	14.0	93	0.00
3 P	Chloromethane	0.482	0.457	5.2	106	0.00
4 C	Vinyl Chloride	0.583	0.549	5.8#	105	0.00
5 T	Bromomethane	0.437	0.413	5.5	102	0.00
6 T	Chloroethane	0.386	0.369	4.4	102	0.00
7 T	Trichlorofluoromethane	0.467	0.480	-2.8	105	0.00
8 T	Diethyl Ether	0.382	0.385	-0.8	103	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.551	0.521	5.4	102	0.00
10 T	Methyl Iodide	0.781	0.777	0.5	105	0.00
11 T	Tert butyl alcohol	0.047	0.051	-8.5	102	-0.01
12 CM	1,1-Dichloroethene	0.606	0.582	4.0#	103	0.00
13 T	Acrolein	0.075	0.071	5.3	102	0.00
14 T	Allyl chloride	0.883	0.902	-2.2	106	0.00
15 T	Acrylonitrile	0.182	0.194	-6.6	103	0.00
16 T	Acetone	0.167	0.170	-1.8	106	0.00
17 T	Carbon Disulfide	1.628	1.594	2.1	104	0.00
18 T	Methyl Acetate	0.530	0.557	-5.1	102	0.00
19 T	Methyl tert-butyl Ether	1.068	1.164	-9.0	107	0.00
20 T	Methylene Chloride	0.774	0.719	7.1	107	0.00
21 T	trans-1,2-Dichloroethene	0.644	0.644	0.0	104	0.00
22 T	Diisopropyl ether	1.860	1.936	-4.1	104	0.00
23 T	Vinyl Acetate	1.222	1.320	-8.0	103	0.00
24 P	1,1-Dichloroethane	1.189	1.170	1.6	103	0.00
25 T	2-Butanone	0.238	0.259	-8.8	103	0.00
26 T	2,2-Dichloropropane	0.596	0.592	0.7	104	0.00
27 T	cis-1,2-Dichloroethene	0.752	0.773	-2.8	105	0.00
28 T	Bromochloromethane	0.541	0.544	-0.6	102	0.00
29 T	Tetrahydrofuran	0.157	0.172	-9.6	102	0.00
30 C	Chloroform	1.260	1.255	0.4#	103	0.00
31 T	Cyclohexane	1.031	0.961	6.8	101	0.00
32 T	1,1,1-Trichloroethane	0.915	0.917	-0.2	107	0.00
33 S	1,2-Dichloroethane-d4	0.723	0.712	1.5	101	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	103	0.00
35 S	Dibromofluoromethane	0.323	0.323	0.0	103	0.00
36 T	1,1-Dichloropropene	0.455	0.451	0.9	100	0.00
37 T	Ethyl Acetate	0.268	0.296	-10.4	104	0.00
38 T	Carbon Tetrachloride	0.439	0.440	-0.2	101	0.00
39 T	Methylcyclohexane	0.555	0.579	-4.3	103	0.00
40 TM	Benzene	1.415	1.423	-0.6	100	0.00
41 T	Methacrylonitrile	0.152	0.168	-10.5	104	0.00
42 TM	1,2-Dichloroethane	0.453	0.463	-2.2	103	0.00
43 T	Isopropyl Acetate	0.493	0.541	-9.7	104	0.00
44 TM	Trichloroethene	0.337	0.332	1.5	101	0.00
45 C	1,2-Dichloropropane	0.342	0.352	-2.9#	103	0.00
46 T	Dibromomethane	0.221	0.223	-0.9	101	0.00
47 T	Bromodichloromethane	0.509	0.527	-3.5	102	0.00
48 T	Methyl methacrylate	0.238	0.262	-10.1	102	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081125\
Data File : VW032059.D
Acq On : 11 Aug 2025 11:51
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ICVVW081125

Quant Time: Aug 12 04:12:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 12 04:04:48 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	1,4-Dioxane	0.003	0.003	0.0	104	0.00
50 S	Toluene-d8	1.195	1.188	0.6	99	0.00
51 T	4-Methyl-2-Pentanone	0.279	0.307	-10.0	102	0.00
52 CM	Toluene	0.892	0.899	-0.8#	100	0.00
53 T	t-1,3-Dichloropropene	0.476	0.506	-6.3	102	0.00
54 T	cis-1,3-Dichloropropene	0.541	0.568	-5.0	101	0.00
55 T	1,1,2-Trichloroethane	0.293	0.303	-3.4	103	0.00
56 T	Ethyl methacrylate	0.392	0.442	-12.8	104	0.00
57 T	1,3-Dichloropropane	0.511	0.523	-2.3	102	0.00
58 T	2-Chloroethyl Vinyl ether	0.217	0.237	-9.2	102	0.00
59 T	2-Hexanone	0.193	0.217	-12.4	102	0.00
60 T	Dibromochloromethane	0.335	0.350	-4.5	104	0.00
61 T	1,2-Dibromoethane	0.285	0.300	-5.3	104	0.00
62 S	4-Bromofluorobenzene	0.440	0.453	-3.0	102	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	102	0.00
64 T	Tetrachloroethene	0.289	0.296	-2.4	109	0.00
65 PM	Chlorobenzene	1.088	1.077	1.0	103	0.00
66 T	1,1,1,2-Tetrachloroethane	0.340	0.342	-0.6	103	0.00
67 C	Ethyl Benzene	1.843	1.853	-0.5#	101	0.00
68 T	m/p-Xylenes	0.711	0.723	-1.7	101	0.00
69 T	o-Xylene	0.657	0.676	-2.9	102	0.00
70 T	Styrene	1.168	1.211	-3.7	102	0.00
71 P	Bromoform	0.194	0.213	-9.8	106	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	102	0.00
73 T	Isopropylbenzene	3.494	3.674	-5.2	102	0.00
74 T	N-amyl acetate	1.003	1.116	-11.3	102	0.00
75 P	1,1,2,2-Tetrachloroethane	0.830	0.871	-4.9	102	0.00
76 T	1,2,3-Trichloropropane	0.679	0.653	3.8	87	0.00
77 T	Bromobenzene	0.835	0.833	0.2	97	0.00
78 T	n-propylbenzene	4.302	4.401	-2.3	100	0.00
79 T	2-Chlorotoluene	2.655	2.714	-2.2	101	0.00
80 T	1,3,5-Trimethylbenzene	2.967	3.102	-4.6	102	0.00
81 T	trans-1,4-Dichloro-2-butene	0.262	0.281	-7.3	99	0.00
82 T	4-Chlorotoluene	2.821	2.839	-0.6	100	0.00
83 T	tert-Butylbenzene	2.462	2.648	-7.6	105	0.00
84 T	1,2,4-Trimethylbenzene	3.020	3.220	-6.6	103	0.00
85 T	sec-Butylbenzene	3.722	3.765	-1.2	100	0.00
86 T	p-Isopropyltoluene	3.103	3.201	-3.2	99	0.00
87 T	1,3-Dichlorobenzene	1.661	1.671	-0.6	97	0.00
88 T	1,4-Dichlorobenzene	1.678	1.676	0.1	102	0.00
89 T	n-Butylbenzene	3.015	3.133	-3.9	100	0.00
90 T	Hexachloroethane	0.568	0.571	-0.5	103	0.00
91 T	1,2-Dichlorobenzene	1.504	1.532	-1.9	102	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.147	0.159	-8.2	102	0.00
93 T	1,2,4-Trichlorobenzene	0.900	0.950	-5.6	105	0.00
94 T	Hexachlorobutadiene	0.402	0.412	-2.5	109	0.00
95 T	Naphthalene	2.205	2.400	-8.8	101	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081125\
Data File : VW032059.D
Acq On : 11 Aug 2025 11:51
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ICVWVW081125

Quant Time: Aug 12 04:12:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 12 04:04:48 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.819	0.890	-8.7	109	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081125\
Data File : VW032059.D
Acq On : 11 Aug 2025 11:51
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ICVWVW081125

Quant Time: Aug 12 04:12:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 12 04:04:48 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	50.000	50.000	0.0	101	0.00
2 T	Dichlorodifluoromethane	50.000	43.069	13.9	93	0.00
3 P	Chloromethane	50.000	47.474	5.1	106	0.00
4 C	Vinyl Chloride	50.000	47.096	5.8#	105	0.00
5 T	Bromomethane	50.000	47.201	5.6	102	0.00
6 T	Chloroethane	50.000	47.858	4.3	102	0.00
7 T	Trichlorofluoromethane	50.000	51.386	-2.8	105	0.00
8 T	Diethyl Ether	50.000	50.380	-0.8	103	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	47.316	5.4	102	0.00
10 T	Methyl Iodide	50.000	49.742	0.5	105	0.00
11 T	Tert butyl alcohol	250.000	271.910	-8.8	102	-0.01
12 CM	1,1-Dichloroethene	50.000	47.992	4.0#	103	0.00
13 T	Acrolein	250.000	236.960	5.2	102	0.00
14 T	Allyl chloride	50.000	51.094	-2.2	106	0.00
15 T	Acrylonitrile	250.000	265.958	-6.4	103	0.00
16 T	Acetone	250.000	254.262	-1.7	106	0.00
17 T	Carbon Disulfide	50.000	48.970	2.1	104	0.00
18 T	Methyl Acetate	50.000	52.614	-5.2	102	0.00
19 T	Methyl tert-butyl Ether	50.000	54.465	-8.9	107	0.00
20 T	Methylene Chloride	50.000	46.453	7.1	107	0.00
21 T	trans-1,2-Dichloroethene	50.000	50.035	-0.1	104	0.00
22 T	Diisopropyl ether	50.000	52.038	-4.1	104	0.00
23 T	Vinyl Acetate	250.000	270.210	-8.1	103	0.00
24 P	1,1-Dichloroethane	50.000	49.234	1.5	103	0.00
25 T	2-Butanone	250.000	272.083	-8.8	103	0.00
26 T	2,2-Dichloropropane	50.000	49.659	0.7	104	0.00
27 T	cis-1,2-Dichloroethene	50.000	51.404	-2.8	105	0.00
28 T	Bromochloromethane	50.000	50.315	-0.6	102	0.00
29 T	Tetrahydrofuran	250.000	274.235	-9.7	102	0.00
30 C	Chloroform	50.000	49.803	0.4#	103	0.00
31 T	Cyclohexane	50.000	46.646	6.7	101	0.00
32 T	1,1,1-Trichloroethane	50.000	50.108	-0.2	107	0.00
33 S	1,2-Dichloroethane-d4	50.000	49.205	1.6	101	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	103	0.00
35 S	Dibromofluoromethane	50.000	49.939	0.1	103	0.00
36 T	1,1-Dichloropropene	50.000	49.574	0.9	100	0.00
37 T	Ethyl Acetate	50.000	55.214	-10.4	104	0.00
38 T	Carbon Tetrachloride	50.000	50.015	-0.0	101	0.00
39 T	Methylcyclohexane	50.000	52.181	-4.4	103	0.00
40 TM	Benzene	50.000	50.272	-0.5	100	0.00
41 T	Methacrylonitrile	50.000	55.204	-10.4	104	0.00
42 TM	1,2-Dichloroethane	50.000	51.154	-2.3	103	0.00
43 T	Isopropyl Acetate	50.000	54.846	-9.7	104	0.00
44 TM	Trichloroethene	50.000	49.175	1.7	101	0.00
45 C	1,2-Dichloropropane	50.000	51.403	-2.8#	103	0.00
46 T	Dibromomethane	50.000	50.497	-1.0	101	0.00
47 T	Bromodichloromethane	50.000	51.775	-3.5	102	0.00
48 T	Methyl methacrylate	50.000	55.048	-10.1	102	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081125\
Data File : VW032059.D
Acq On : 11 Aug 2025 11:51
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ICVVW081125

Quant Time: Aug 12 04:12:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 12 04:04:48 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49 T	1,4-Dioxane	1000.000	1155.151	-15.5	104	0.00
50 S	Toluene-d8	50.000	49.708	0.6	99	0.00
51 T	4-Methyl-2-Pentanone	250.000	275.585	-10.2	102	0.00
52 CM	Toluene	50.000	50.410	-0.8#	100	0.00
53 T	t-1,3-Dichloropropene	50.000	53.108	-6.2	102	0.00
54 T	cis-1,3-Dichloropropene	50.000	52.577	-5.2	101	0.00
55 T	1,1,2-Trichloroethane	50.000	51.716	-3.4	103	0.00
56 T	Ethyl methacrylate	50.000	56.374	-12.7	104	0.00
57 T	1,3-Dichloropropane	50.000	51.186	-2.4	102	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	272.893	-9.2	102	0.00
59 T	2-Hexanone	250.000	281.817	-12.7	102	0.00
60 T	Dibromochloromethane	50.000	52.276	-4.6	104	0.00
61 T	1,2-Dibromoethane	50.000	52.603	-5.2	104	0.00
62 S	4-Bromofluorobenzene	50.000	51.460	-2.9	102	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	102	0.00
64 T	Tetrachloroethene	50.000	51.245	-2.5	109	0.00
65 PM	Chlorobenzene	50.000	49.461	1.1	103	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	50.324	-0.6	103	0.00
67 C	Ethyl Benzene	50.000	50.253	-0.5#	101	0.00
68 T	m/p-Xylenes	100.000	101.607	-1.6	101	0.00
69 T	o-Xylene	50.000	51.416	-2.8	102	0.00
70 T	Styrene	50.000	51.833	-3.7	102	0.00
71 P	Bromoform	50.000	54.945	-9.9	106	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	102	0.00
73 T	Isopropylbenzene	50.000	52.571	-5.1	102	0.00
74 T	N-ethyl acetate	50.000	55.682	-11.4	102	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	52.514	-5.0	102	0.00
76 T	1,2,3-Trichloropropane	50.000	48.091	3.8	87	0.00
77 T	Bromobenzene	50.000	49.886	0.2	97	0.00
78 T	n-propylbenzene	50.000	51.148	-2.3	100	0.00
79 T	2-Chlorotoluene	50.000	51.114	-2.2	101	0.00
80 T	1,3,5-Trimethylbenzene	50.000	52.291	-4.6	102	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	53.570	-7.1	99	0.00
82 T	4-Chlorotoluene	50.000	50.312	-0.6	100	0.00
83 T	tert-Butylbenzene	50.000	53.777	-7.6	105	0.00
84 T	1,2,4-Trimethylbenzene	50.000	53.308	-6.6	103	0.00
85 T	sec-Butylbenzene	50.000	50.571	-1.1	100	0.00
86 T	p-Isopropyltoluene	50.000	51.580	-3.2	99	0.00
87 T	1,3-Dichlorobenzene	50.000	50.304	-0.6	97	0.00
88 T	1,4-Dichlorobenzene	50.000	49.942	0.1	102	0.00
89 T	n-Butylbenzene	50.000	51.958	-3.9	100	0.00
90 T	Hexachloroethane	50.000	50.329	-0.7	103	0.00
91 T	1,2-Dichlorobenzene	50.000	50.926	-1.9	102	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	53.872	-7.7	102	0.00
93 T	1,2,4-Trichlorobenzene	50.000	52.764	-5.5	105	0.00
94 T	Hexachlorobutadiene	50.000	51.262	-2.5	109	0.00
95 T	Naphthalene	50.000	54.415	-8.8	101	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081125\
Data File : VW032059.D
Acq On : 11 Aug 2025 11:51
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ICVWVW081125

Quant Time: Aug 12 04:12:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 12 04:04:48 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	54.327	-8.7	109	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name:	<u>Alliance</u>	Contract:	<u>FIRS02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q2820</u>
Instrument ID:	<u>MSVOA_Y</u>	Calibration Date(s):	<u>08/12/2025</u> <u>08/12/2025</u>
Heated Purge: (Y/N)	<u>Y</u>	Calibration Time(s):	<u>14:54</u> <u>16:47</u>
GC Column:	<u>RXI-624</u> ID: <u>0.25</u> (mm)		

LAB FILE ID:	RRF005 = VY023050.D			RRF010 = VY023051.D		RRF020 = VY023052.D		RRF050 = VY023053.D		RRF100 = VY023054.D		RRF150 = VY023055.D	
COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	RRF	% RSD					
Dichlorodifluoromethane	0.487	0.463	0.460	0.348	0.337	0.354	0.408	16.8					
Chloromethane	0.699	0.707	0.736	0.607	0.603	0.613	0.661	9					
Vinyl Chloride	0.868	0.870	0.875	0.769	0.754	0.766	0.817	7.3					
Bromomethane	0.673	0.638	0.653	0.540	0.576	0.581	0.610	8.5					
Chloroethane	0.585	0.567	0.569	0.515	0.508	0.516	0.543	6.2					
Trichlorofluoromethane	1.059	1.044	1.048	0.937	0.900	0.974	0.994	6.7					
1,1,2-Trichlorotrifluoroethane	0.522	0.519	0.521	0.462	0.445	0.472	0.490	7					
1,1-Dichloroethene	0.492	0.505	0.502	0.463	0.454	0.475	0.482	4.4					
Acetone	0.110	0.111	0.106	0.103	0.094	0.096	0.103	6.9					
Carbon Disulfide	1.656	1.663	1.662	1.491	1.453	1.501	1.571	6.3					
Methyl tert-butyl Ether	1.181	1.268	1.296	1.236	1.202	1.308	1.249	4.1					
Methyl Acetate	0.299	0.308	0.325	0.322	0.280	0.309	0.307	5.4					
Methylene Chloride	0.861	0.706	0.606	0.510	0.511	0.524	0.620	22.7					
trans-1,2-Dichloroethene	0.535	0.561	0.559	0.523	0.520	0.550	0.541	3.3					
1,1-Dichloroethane	0.929	0.969	0.984	0.918	0.907	0.945	0.942	3.1					
Cyclohexane	1.040	0.934	0.905	0.816	0.792	0.838	0.888	10.4					
2-Butanone	0.135	0.152	0.143	0.142	0.129	0.142	0.140	5.5					
Carbon Tetrachloride	0.490	0.486	0.505	0.466	0.466	0.484	0.483	3.1					
cis-1,2-Dichloroethene	0.621	0.624	0.645	0.607	0.610	0.648	0.626	2.8					
Bromochloromethane	0.367	0.379	0.393	0.365	0.367	0.371	0.374	2.9					
Chloroform	0.969	0.997	1.002	0.943	0.936	0.981	0.971	2.8					
1,1,1-Trichloroethane	0.862	0.877	0.899	0.837	0.833	0.864	0.862	2.8					
Methylcyclohexane	0.574	0.579	0.605	0.566	0.575	0.614	0.586	3.3					
Benzene	1.354	1.375	1.430	1.334	1.334	1.395	1.370	2.8					
1,2-Dichloroethane	0.353	0.370	0.371	0.347	0.339	0.359	0.356	3.6					
Trichloroethene	0.354	0.355	0.373	0.341	0.342	0.359	0.354	3.3					
1,2-Dichloropropane	0.303	0.321	0.326	0.309	0.309	0.325	0.315	3.1					
Bromodichloromethane	0.446	0.464	0.489	0.459	0.456	0.481	0.466	3.5					
4-Methyl-2-Pentanone	0.168	0.201	0.200	0.199	0.190	0.211	0.195	7.7					
Toluene	0.817	0.851	0.902	0.858	0.873	0.921	0.870	4.3					

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: <u>Alliance</u>	Contract: <u>FIRS02</u>
Lab Code: <u>ACE</u>	SDG No.: <u>Q2820</u>
Instrument ID: <u>MSVOA_Y</u>	Calibration Date(s): <u>08/12/2025</u> <u>08/12/2025</u>
Heated Purge: (Y/N) <u>Y</u>	Calibration Time(s): <u>14:54</u> <u>16:47</u>
GC Column: <u>RXI-624</u> ID: <u>0.25</u> (mm)	

LAB FILE ID:		RRF005 = VY023050.D		RRF010 = VY023051.D		RRF020 = VY023052.D		
		RRF050 = VY023053.D		RRF100 = VY023054.D		RRF150 = VY023055.D		
COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	RRF	% RSD
t-1,3-Dichloropropene	0.377	0.410	0.435	0.420	0.428	0.459	0.422	6.5
cis-1,3-Dichloropropene	0.457	0.486	0.513	0.496	0.500	0.540	0.499	5.5
1,1,2-Trichloroethane	0.230	0.242	0.253	0.239	0.236	0.254	0.242	4
2-Hexanone	0.112	0.134	0.137	0.136	0.131	0.146	0.133	8.6
Dibromochloromethane	0.300	0.317	0.326	0.318	0.316	0.340	0.320	4.1
1,2-Dibromoethane	0.206	0.232	0.237	0.226	0.222	0.242	0.228	5.6
Tetrachloroethene	0.477	0.463	0.475	0.435	0.393	0.437	0.446	7.2
Chlorobenzene	1.062	1.070	1.116	1.055	1.057	1.111	1.079	2.6
Ethyl Benzene	1.775	1.795	1.894	1.859	1.858	1.956	1.856	3.6
m/p-Xylenes	0.676	0.699	0.745	0.718	0.737	0.774	0.725	4.8
o-Xylene	0.605	0.643	0.696	0.686	0.702	0.742	0.679	7.1
Styrene	0.945	1.023	1.140	1.123	1.176	1.254	1.110	10
Bromoform	0.197	0.213	0.216	0.214	0.213	0.231	0.214	5
Isopropylbenzene	3.420	3.483	3.602	3.505	3.514	3.650	3.529	2.4
1,1,2,2-Tetrachloroethane	0.584	0.647	0.605	0.585	0.581	0.613	0.603	4.2
1,3-Dichlorobenzene	1.600	1.642	1.701	1.610	1.656	1.752	1.660	3.5
1,4-Dichlorobenzene	1.687	1.657	1.680	1.601	1.597	1.660	1.647	2.3
1,2-Dichlorobenzene	1.410	1.472	1.496	1.420	1.438	1.499	1.456	2.7
1,2-Dibromo-3-Chloropropane	0.093	0.096	0.094	0.095	0.086	0.098	0.094	4.3
1,2,4-Trichlorobenzene	0.788	0.839	0.881	0.847	0.856	0.955	0.861	6.4
1,2,3-Trichlorobenzene	0.685	0.733	0.752	0.720	0.727	0.834	0.742	6.7
1,2-Dichloroethane-d4	0.491	0.490	0.482	0.462	0.472	0.462	0.477	2.7
Dibromofluoromethane	0.290	0.299	0.301	0.293	0.307	0.305	0.299	2.1
Toluene-d8	1.151	1.157	1.173	1.143	1.202	1.186	1.169	1.9
4-Bromofluorobenzene	0.358	0.367	0.367	0.370	0.399	0.394	0.376	4.4

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

Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
 Method File : 82Y081225S.M
 Title : SW846 8260
 Last Update : Wed Aug 13 02:10:11 2025
 Response Via : Initial Calibration

Calibration Files

5 =VY023050.D 10 =VY023051.D 20 =VY023052.D 50 =VY023053.D 100 =VY023054.D 150 =VY023055.D

	Compound	5	10	20	50	100	150	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.487	0.463	0.460	0.348	0.337	0.354	0.408	16.79
3) P	Chloromethane	0.699	0.707	0.736	0.607	0.603	0.613	0.661	9.01
4) C	Vinyl Chloride	0.868	0.870	0.875	0.769	0.754	0.766	0.817	7.29#
5) T	Bromomethane	0.673	0.638	0.653	0.540	0.576	0.581	0.610	8.52
6) T	Chloroethane	0.585	0.567	0.569	0.515	0.508	0.516	0.543	6.19
7) T	Trichlorofluor...	1.059	1.044	1.048	0.937	0.900	0.974	0.994	6.68
8) T	Diethyl Ether	0.271	0.276	0.271	0.251	0.245	0.264	0.263	4.69
9) T	1,1,2-Trichlor...	0.522	0.519	0.521	0.462	0.445	0.472	0.490	7.01
10) T	Methyl Iodide	0.468	0.491	0.539	0.549	0.564	0.563	0.529	7.57
11) T	Tert butyl alc...	0.033	0.037	0.033	0.032	0.029	0.033	0.033	7.44
12) CM	1,1-Dichloroet...	0.492	0.505	0.502	0.463	0.454	0.475	0.482	4.38#
13) T	Acrolein	0.048	0.055	0.050	0.045	0.043	0.046	0.048	8.57
14) T	Allyl chloride	0.734	0.718	0.724	0.686	0.681	0.712	0.709	3.01
15) T	Acrylonitrile	0.101	0.114	0.112	0.106	0.100	0.109	0.107	5.51
16) T	Acetone	0.110	0.111	0.106	0.103	0.094	0.096	0.103	6.89
17) T	Carbon Disulfide	1.656	1.663	1.662	1.491	1.453	1.501	1.571	6.30
18) T	Methyl Acetate	0.299	0.308	0.325	0.322	0.280	0.309	0.307	5.37
19) T	Methyl tert-bu...	1.181	1.268	1.296	1.236	1.202	1.308	1.249	4.09
20) T	Methylene Chlo...	0.861	0.706	0.606	0.510	0.511	0.524	0.620	22.69
21) T	trans-1,2-Dich...	0.535	0.561	0.559	0.523	0.520	0.550	0.541	3.28
22) T	Diisopropyl ether	1.442	1.565	1.609	1.512	1.510	1.605	1.541	4.21
23) T	Vinyl Acetate	0.790	0.875	0.875	0.841	0.830	0.899	0.852	4.62
24) P	1,1-Dichloroet...	0.929	0.969	0.984	0.918	0.907	0.945	0.942	3.15
25) T	2-Butanone	0.135	0.152	0.143	0.142	0.129	0.142	0.140	5.51
26) T	2,2-Dichloropr...	0.837	0.830	0.844	0.790	0.776	0.800	0.813	3.43
27) T	cis-1,2-Dichlo...	0.621	0.624	0.645	0.607	0.610	0.648	0.626	2.77
28) T	Bromochloromet...	0.367	0.379	0.393	0.365	0.367	0.371	0.374	2.88
29) T	Tetrahydrofuran	0.084	0.091	0.089	0.087	0.081	0.091	0.087	4.62
30) C	Chloroform	0.969	0.997	1.002	0.943	0.936	0.981	0.971	2.81#
31) T	Cyclohexane	1.040	0.934	0.905	0.816	0.792	0.838	0.888	10.35
32) T	1,1,1-Trichlor...	0.862	0.877	0.899	0.837	0.833	0.864	0.862	2.85
33) S	1,2-Dichloroet...	0.491	0.490	0.482	0.462	0.472	0.462	0.477	2.74
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...	0.290	0.299	0.301	0.293	0.307	0.305	0.299	2.14
36) T	1,1-Dichloropr...	0.442	0.455	0.461	0.433	0.429	0.447	0.445	2.81
37) T	Ethyl Acetate	0.167	0.197	0.196	0.188	0.178	0.195	0.187	6.52
38) T	Carbon Tetrach...	0.490	0.486	0.505	0.466	0.466	0.484	0.483	3.08
39) T	Methylcyclohexane	0.574	0.579	0.605	0.566	0.575	0.614	0.586	3.35
40) TM	Benzene	1.354	1.375	1.430	1.334	1.334	1.395	1.370	2.76
41) T	Methacrylonitrile	0.113	0.107	0.111	0.110	0.102	0.103	0.108	4.05
42) TM	1,2-Dichloroet...	0.353	0.370	0.371	0.347	0.339	0.359	0.356	3.59
43) T	Isopropyl Acetate	0.352	0.383	0.388	0.373	0.362	0.407	0.378	5.16
44) TM	Trichloroethene	0.354	0.355	0.373	0.341	0.342	0.359	0.354	3.35
45) C	1,2-Dichloropr...	0.303	0.321	0.326	0.309	0.309	0.325	0.315	3.08#
46) T	Dibromomethane	0.166	0.189	0.187	0.178	0.176	0.190	0.181	5.14
47) T	Bromodichlorom...	0.446	0.464	0.489	0.459	0.456	0.481	0.466	3.47
48) T	Methyl methacr...	0.149	0.180	0.189	0.188	0.182	0.196	0.181	9.18
49) T	1,4-Dioxane	0.002	0.002	0.002	0.002	0.002	0.002	0.002	6.71
50) S	Toluene-d8	1.151	1.157	1.173	1.143	1.202	1.186	1.169	1.92
51) T	4-Methyl-2-Pen...	0.168	0.201	0.200	0.199	0.190	0.211	0.195	7.67
52) CM	Toluene	0.817	0.851	0.902	0.858	0.873	0.921	0.870	4.28#
53) T	t-1,3-Dichloro...	0.377	0.410	0.435	0.420	0.428	0.459	0.422	6.47
54) T	cis-1,3-Dichlo...	0.457	0.486	0.513	0.496	0.500	0.540	0.499	5.54
55) T	1,1,2-Trichlor...	0.230	0.242	0.253	0.239	0.236	0.254	0.242	3.96
56) T	Ethyl methacry...	0.247	0.298	0.312	0.320	0.323	0.359	0.310	11.84

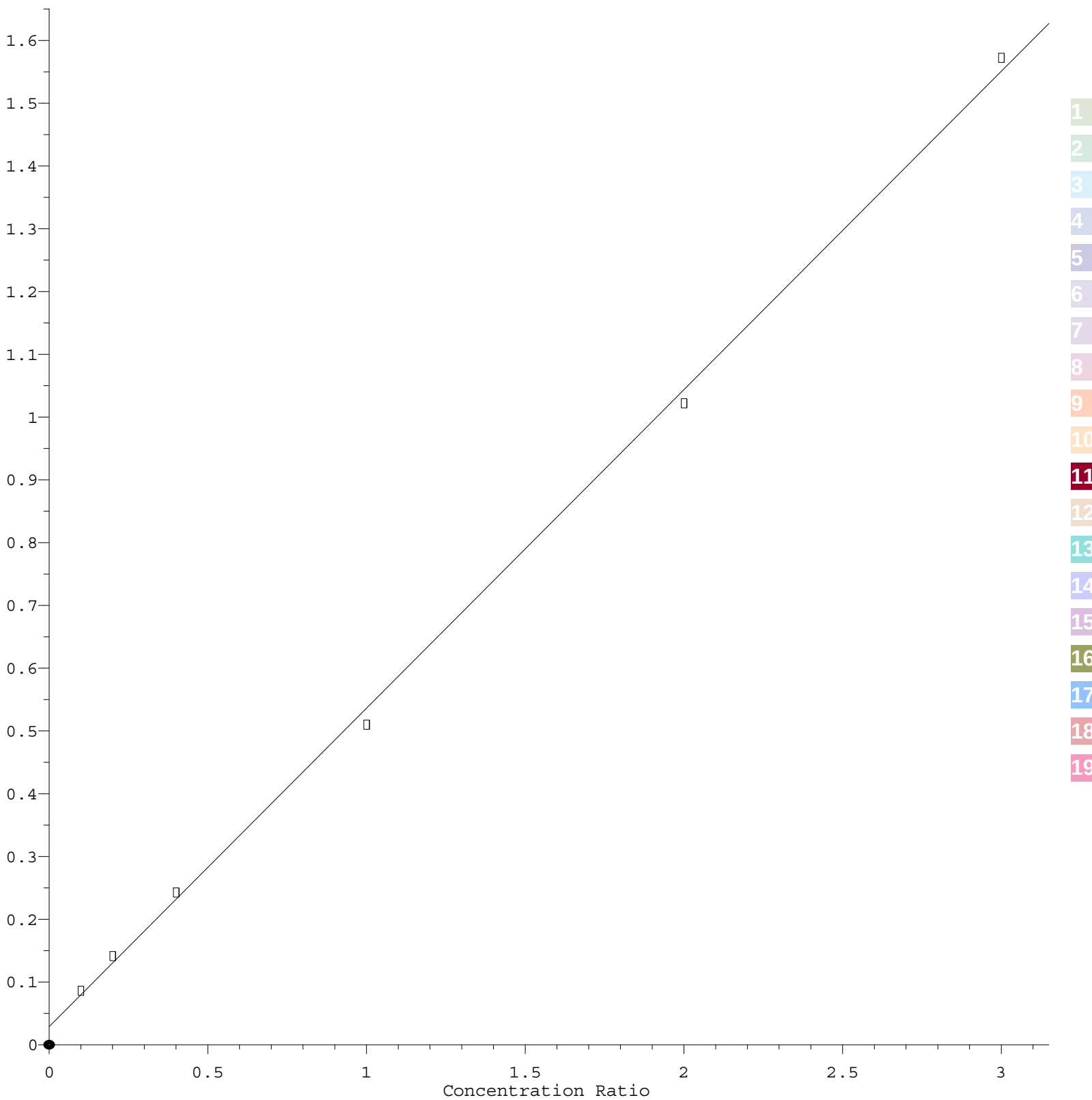
Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
 Method File : 82Y081225S.M

57)	T	1,3-Dichloropr...	0.385	0.421	0.429	0.405	0.395	0.429	0.411	4.52
58)	T	2-Chloroethyl ...	0.114	0.135	0.144	0.155	0.158	0.171	0.146	13.68
59)	T	2-Hexanone	0.112	0.134	0.137	0.136	0.131	0.146	0.133	8.57
60)	T	Dibromochlorom...	0.300	0.317	0.326	0.318	0.316	0.340	0.320	4.09
61)	T	1,2-Dibromoethane	0.206	0.232	0.237	0.226	0.222	0.242	0.228	5.60
62)	S	4-Bromofluorob...	0.358	0.367	0.367	0.370	0.399	0.394	0.376	4.41
63)	I	Chlorobenzene-d5	-----ISTD-----							
64)	T	Tetrachloroethene	0.477	0.463	0.475	0.435	0.393	0.437	0.446	7.16
65)	PM	Chlorobenzene	1.062	1.070	1.116	1.055	1.057	1.111	1.079	2.55
66)	T	1,1,1,2-Tetrac...	0.347	0.360	0.378	0.362	0.365	0.384	0.366	3.58
67)	C	Ethyl Benzene	1.775	1.795	1.894	1.859	1.858	1.956	1.856	3.56#
68)	T	m/p-Xylenes	0.676	0.699	0.745	0.718	0.737	0.774	0.725	4.80
69)	T	o-Xylene	0.605	0.643	0.696	0.686	0.702	0.742	0.679	7.13
70)	T	Styrene	0.945	1.023	1.140	1.123	1.176	1.254	1.110	9.96
71)	P	Bromoform	0.197	0.213	0.216	0.214	0.213	0.231	0.214	5.03
72)	I	1,4-Dichlorobenzen...	-----ISTD-----							
73)	T	Isopropylbenzene	3.420	3.483	3.602	3.505	3.514	3.650	3.529	2.36
74)	T	N-amyl acetate	0.633	0.738	0.757	0.767	0.756	0.840	0.748	8.89
75)	P	1,1,2,2-Tetrac...	0.584	0.647	0.605	0.585	0.581	0.613	0.603	4.20
76)	T	1,2,3-Trichlor...	0.551	0.483	0.472	0.535	0.409	0.444	0.483	11.18
77)	T	Bromobenzene	0.824	0.830	0.866	0.828	0.831	0.873	0.842	2.58
78)	T	n-propylbenzene	4.052	4.149	4.317	4.217	4.158	4.315	4.201	2.46
79)	T	2-Chlorotoluene	2.349	2.398	2.464	2.382	2.390	2.461	2.407	1.90
80)	T	1,3,5-Trimethy...	2.672	2.811	2.932	2.859	2.872	2.966	2.852	3.64
81)	T	trans-1,4-Dich...	0.181	0.215	0.203	0.197	0.190	0.210	0.199	6.43
82)	T	4-Chlorotoluene	2.427	2.486	2.600	2.462	2.460	2.548	2.497	2.59
83)	T	tert-Butylbenzene	2.428	2.481	2.626	2.588	2.630	2.702	2.576	3.98
84)	T	1,2,4-Trimethy...	2.596	2.760	2.955	2.837	2.894	2.993	2.839	5.12
85)	T	sec-Butylbenzene	3.637	3.749	3.881	3.773	3.781	3.882	3.784	2.42
86)	T	p-Isopropyltol...	2.878	2.978	3.241	3.167	3.230	3.350	3.141	5.66
87)	T	1,3-Dichlorobe...	1.600	1.642	1.701	1.610	1.656	1.752	1.660	3.46
88)	T	1,4-Dichlorobe...	1.687	1.657	1.680	1.601	1.597	1.660	1.647	2.35
89)	T	n-Butylbenzene	2.625	2.809	2.972	2.911	2.933	3.059	2.885	5.24
90)	T	Hexachloroethane	0.638	0.648	0.650	0.630	0.632	0.660	0.643	1.83
91)	T	1,2-Dichlorobe...	1.410	1.472	1.496	1.420	1.438	1.499	1.456	2.65
92)	T	1,2-Dibromo-3-...	0.093	0.096	0.094	0.095	0.086	0.098	0.094	4.27
93)	T	1,2,4-Trichlor...	0.788	0.839	0.881	0.847	0.856	0.955	0.861	6.43
94)	T	Hexachlorobuta...	0.533	0.506	0.522	0.491	0.480	0.504	0.506	3.85
95)	T	Naphthalene	1.204	1.364	1.462	1.488	1.500	1.791	1.468	13.14
96)	T	1,2,3-Trichlor...	0.685	0.733	0.752	0.720	0.727	0.834	0.742	6.73

(#) = Out of Range

Methylene Chloride

Response Ratio



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081225\
 Data File : VY023050.D
 Acq On : 12 Aug 2025 14:54
 Operator : SY/MD
 Sample : VSTDICC005
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025
 Supervised By :Semsettin Yesilyurt 08/14/2025

Quant Time: Aug 13 01:50:18 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 13 01:46:43 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	561390	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	904866	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	759914	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	360397	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.055	65	27563	5.152	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	10.300%#
35) Dibromofluoromethane	7.634	113	26265	4.851	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	9.700%#
50) Toluene-d8	10.103	98	104144	4.924	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	9.840%#
62) 4-Bromofluorobenzene	12.402	95	32420	4.766	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	9.540%#

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.861	85	27351	5.969	ug/l	96
3) Chloromethane	2.068	50	39269	5.291	ug/l	98
4) Vinyl Chloride	2.202	62	48736	5.312	ug/l	99
5) Bromomethane	2.592	94	37773	5.513	ug/l	97
6) Chloroethane	2.732	64	32816	5.380	ug/l	98
7) Trichlorofluoromethane	3.050	101	59438	5.328	ug/l	99
8) Diethyl Ether	3.452	74	15231	5.160	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.812	101	29291	5.322	ug/l	98
10) Methyl Iodide	3.994	142	26272	4.424	ug/l	98
11) Tert butyl alcohol	4.866	59	9219	25.147	ug/l #	92
12) 1,1-Dichloroethene	3.787	96	27635	5.108	ug/l	87
13) Acrolein	3.647	56	13391	24.941	ug/l	95
14) Allyl chloride	4.372	41	41201	5.176	ug/l	94
15) Acrylonitrile	5.061	53	28255	23.547	ug/l	95
16) Acetone	3.866	43	30803	26.574	ug/l	98
17) Carbon Disulfide	4.098	76	92964	5.270	ug/l	96
18) Methyl Acetate	4.379	43	16806	4.872	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	66308	4.730	ug/l	98
20) Methylene Chloride	4.604	84	48322	5.657	ug/l	97
21) trans-1,2-Dichloroethene	5.110	96	30021	4.938	ug/l	97
22) Diisopropyl ether	6.012	45	80938	4.679	ug/l	91
23) Vinyl Acetate	5.958	43	221862	23.196	ug/l	97
24) 1,1-Dichloroethane	5.909	63	52152	4.931	ug/l	99
25) 2-Butanone	6.890	43	37821	23.991	ug/l	97
26) 2,2-Dichloropropane	6.878	77	46964	5.147	ug/l	99
27) cis-1,2-Dichloroethene	6.884	96	34877	4.962	ug/l	97
28) Bromochloromethane	7.238	49	20615	4.913	ug/l	96
29) Tetrahydrofuran	7.256	42	23487	24.035	ug/l	96
30) Chloroform	7.415	83	54392	4.987	ug/l	96
31) Cyclohexane	7.701	56	58362	5.856	ug/l #	83
32) 1,1,1-Trichloroethane	7.610	97	48413	5.003	ug/l	99
36) 1,1-Dichloropropene	7.829	75	39978	4.968	ug/l	99
37) Ethyl Acetate	6.982	43	15080	4.461	ug/l #	95
38) Carbon Tetrachloride	7.811	117	44360	5.076	ug/l	99
39) Methylcyclohexane	9.103	83	51931	4.901	ug/l	99
40) Benzene	8.073	78	122482	4.939	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081225\
 Data File : VY023050.D
 Acq On : 12 Aug 2025 14:54
 Operator : SY/MD
 Sample : VSTDICC005
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC005

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025
 Supervised By :Semsettin Yesilyurt 08/14/2025

Quant Time: Aug 13 01:50:18 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 13 01:46:43 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.232	41	10246m	5.247	ug/l	
42) 1,2-Dichloroethane	8.152	62	31902	4.946	ug/l	98
43) Isopropyl Acetate	8.195	43	31890	4.668	ug/l	100
44) Trichloroethene	8.859	130	32050	5.001	ug/l	93
45) 1,2-Dichloropropane	9.134	63	27418	4.805	ug/l	93
46) Dibromomethane	9.225	93	15033	4.590	ug/l	97
47) Bromodichloromethane	9.420	83	40327	4.785	ug/l	98
48) Methyl methacrylate	9.219	41	13477	4.122	ug/l	90
49) 1,4-Dioxane	9.231	88	3454	89.939	ug/l #	91
51) 4-Methyl-2-Pentanone	9.993	43	75891	21.535	ug/l	100
52) Toluene	10.164	92	73910	4.692	ug/l	100
53) t-1,3-Dichloropropene	10.390	75	34154	4.475	ug/l	99
54) cis-1,3-Dichloropropene	9.853	75	41326	4.579	ug/l	97
55) 1,1,2-Trichloroethane	10.566	97	20795	4.745	ug/l	98
56) Ethyl methacrylate	10.432	69	22376	3.990	ug/l	99
57) 1,3-Dichloropropane	10.713	76	34835	4.687	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.707	63	51585	19.500	ug/l	100
59) 2-Hexanone	10.755	43	50604	21.088	ug/l	97
60) Dibromochloromethane	10.908	129	27141	4.693	ug/l	100
61) 1,2-Dibromoethane	11.012	107	18652	4.528	ug/l	97
64) Tetrachloroethene	10.640	164	36210	5.336	ug/l	97
65) Chlorobenzene	11.438	112	80684	4.922	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.511	131	26397	4.745	ug/l	94
67) Ethyl Benzene	11.511	91	134854	4.781	ug/l	99
68) m/p-Xylenes	11.621	106	102783	9.329	ug/l	97
69) o-Xylene	11.950	106	45944	4.453	ug/l	94
70) Styrene	11.963	104	71801	4.255	ug/l	97
71) Bromoform	12.127	173	14954	4.599	ug/l #	94
73) Isopropylbenzene	12.249	105	123246	4.845	ug/l	99
74) N-amyl acetate	12.066	43	22829	4.232	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.499	83	21057	4.848	ug/l	98
76) 1,2,3-Trichloropropane	12.554	75	19875m	5.710	ug/l	
77) Bromobenzene	12.530	156	29681	4.891	ug/l	100
78) n-propylbenzene	12.590	91	146043	4.822	ug/l	99
79) 2-Chlorotoluene	12.670	91	84671	4.880	ug/l	99
80) 1,3,5-Trimethylbenzene	12.731	105	96308	4.685	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.298	75	6514	4.533	ug/l	89
82) 4-Chlorotoluene	12.773	91	87454	4.859	ug/l	99
83) tert-Butylbenzene	12.993	119	87496	4.712	ug/l	99
84) 1,2,4-Trimethylbenzene	13.036	105	93551	4.571	ug/l	100
85) sec-Butylbenzene	13.170	105	131079	4.806	ug/l	99
86) p-Isopropyltoluene	13.285	119	103731	4.582	ug/l	99
87) 1,3-Dichlorobenzene	13.279	146	57668	4.819	ug/l	99
88) 1,4-Dichlorobenzene	13.359	146	60781	5.120	ug/l	97
89) n-Butylbenzene	13.609	91	94594	4.549	ug/l	98
90) Hexachloroethane	13.871	117	22980	4.958	ug/l	97
91) 1,2-Dichlorobenzene	13.651	146	50829	4.843	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.267	75	3369	4.982	ug/l	93
93) 1,2,4-Trichlorobenzene	14.913	180	28399	4.576	ug/l	98
94) Hexachlorobutadiene	15.017	225	19196	5.263	ug/l	96
95) Naphthalene	15.133	128	43395	4.100	ug/l	99
96) 1,2,3-Trichlorobenzene	15.322	180	24703	4.619	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081225\
Data File : VY023050.D
Acq On : 12 Aug 2025 14:54
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025

Quant Time: Aug 13 01:50:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 01:46:43 2025
Response via : Initial Calibration

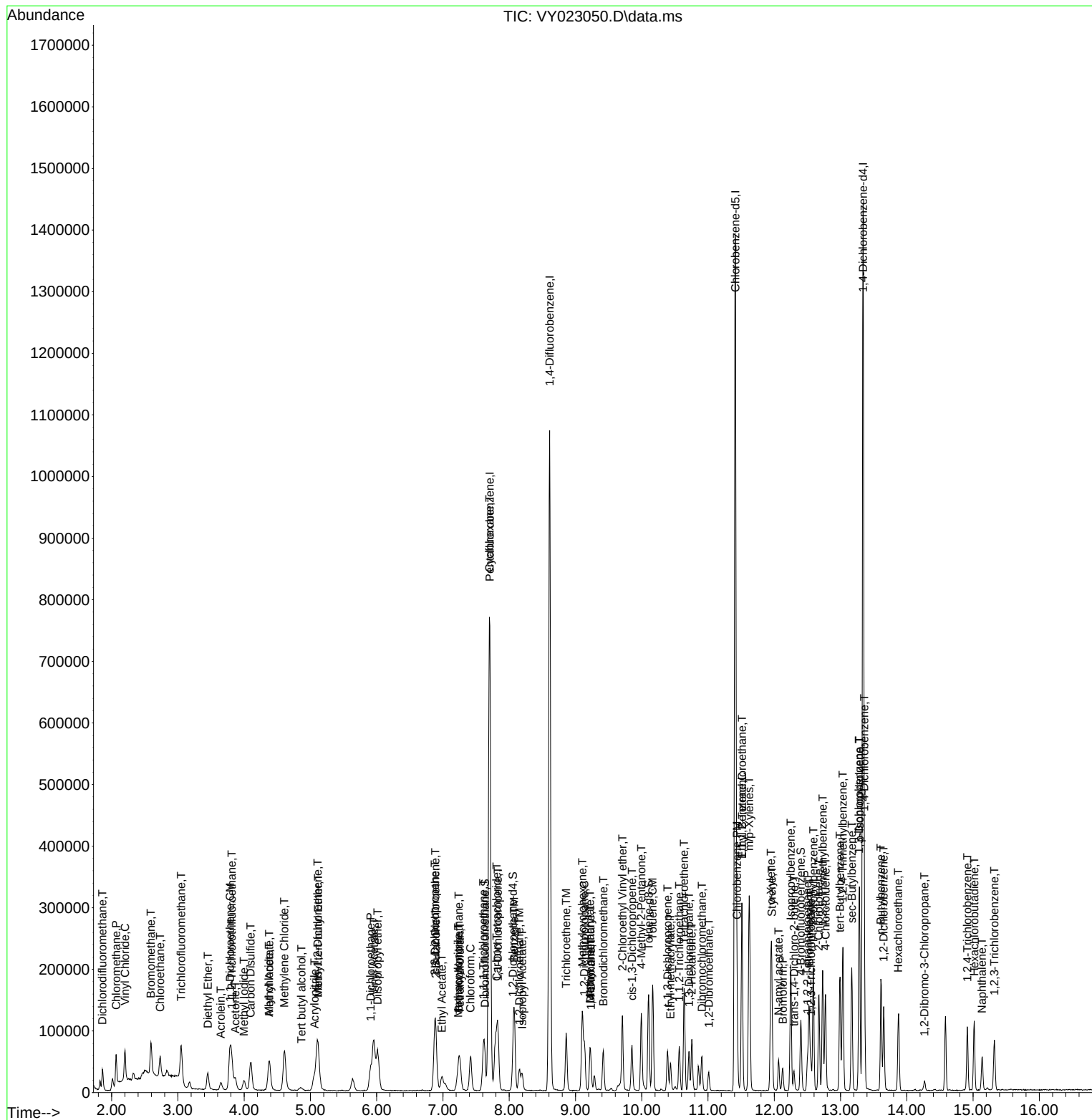
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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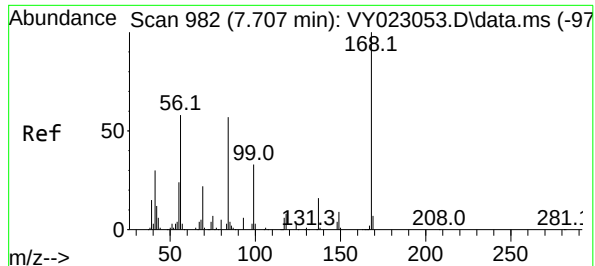
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

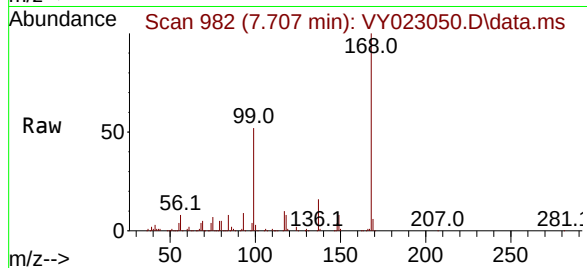
Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

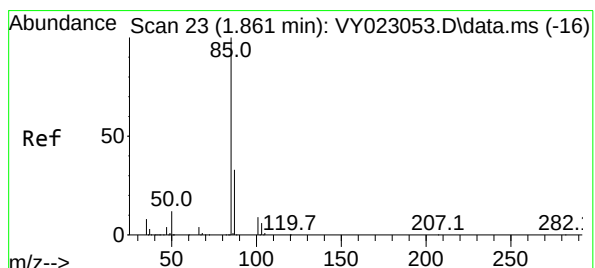
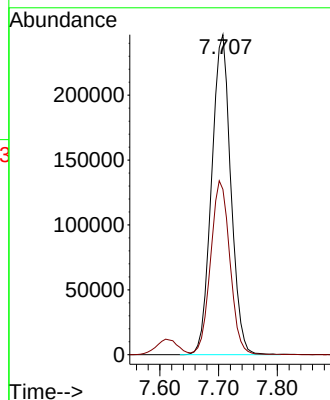
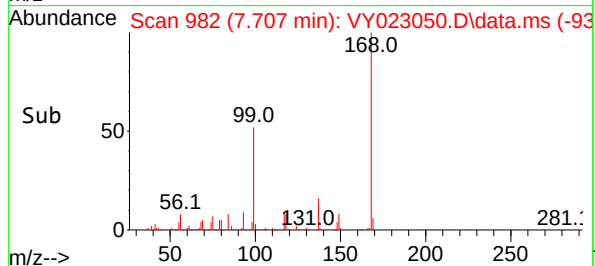
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005



Tgt Ion:168 Resp: 561390
Ion Ratio Lower Upper
168 100
99 51.5 42.8 64.2

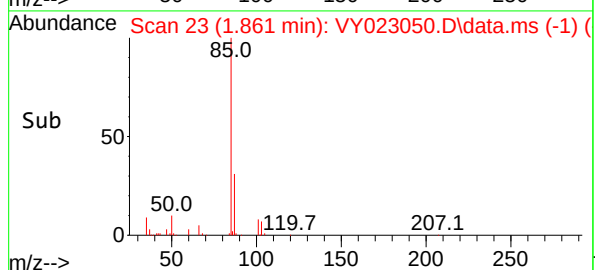
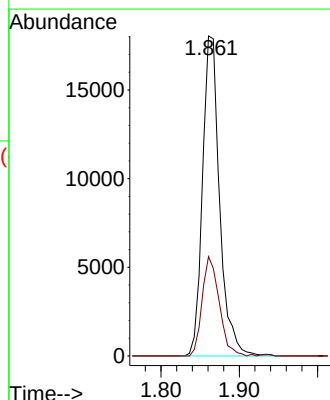
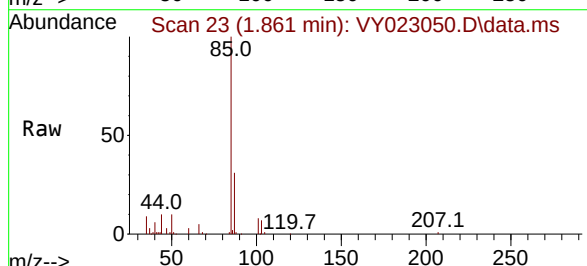
Manual Integrations
APPROVED

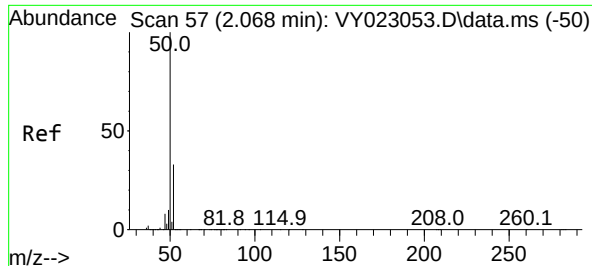
Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025



#2
Dichlorodifluoromethane
Concen: 5.969 ug/l
RT: 1.861 min Scan# 23
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion: 85 Resp: 27351
Ion Ratio Lower Upper
85 100
87 31.0 16.6 49.8





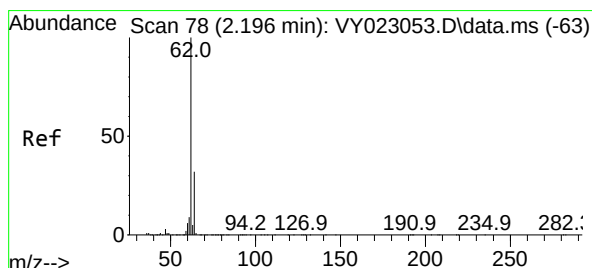
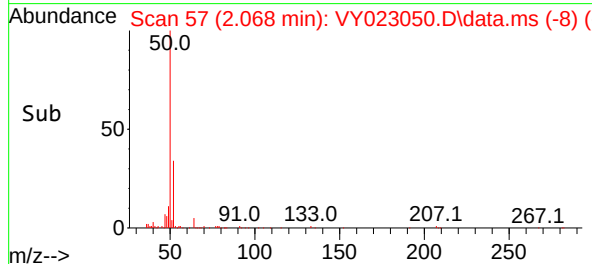
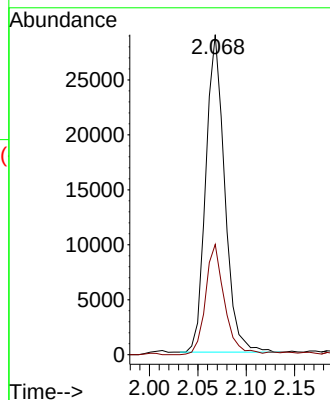
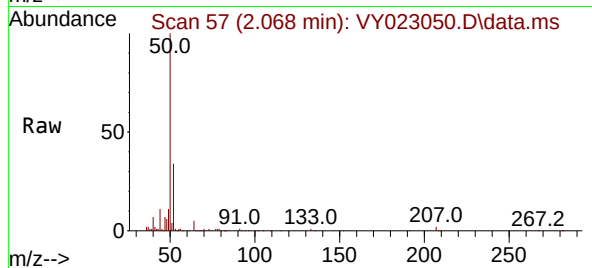
#3
Chloromethane
Concen: 5.291 ug/l
RT: 2.068 min Scan# 51
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 50 Resp: 39269
Ion Ratio Lower Upper
50 100
52 34.7 26.7 40.1

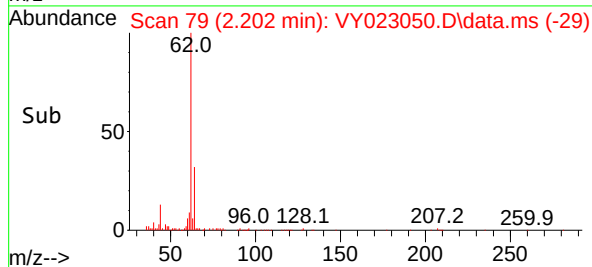
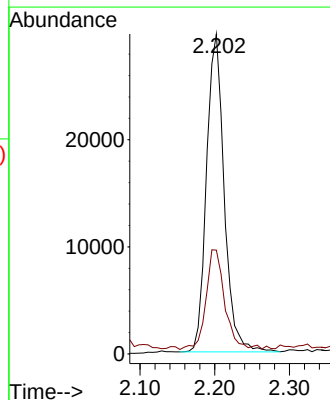
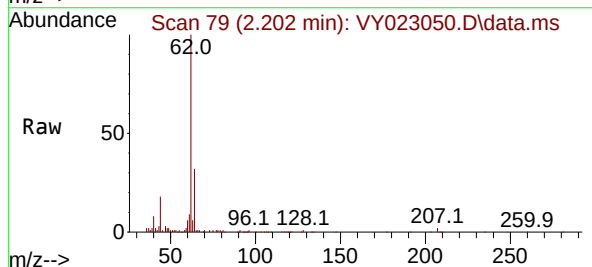
Manual Integrations
APPROVED

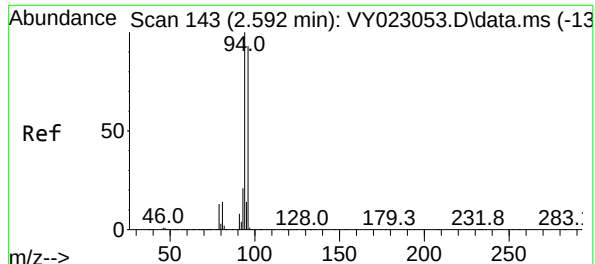
Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025



#4
Vinyl Chloride
Concen: 5.312 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.006 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion: 62 Resp: 48736
Ion Ratio Lower Upper
62 100
64 31.3 25.4 38.0





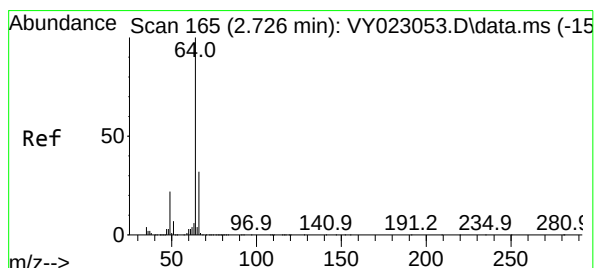
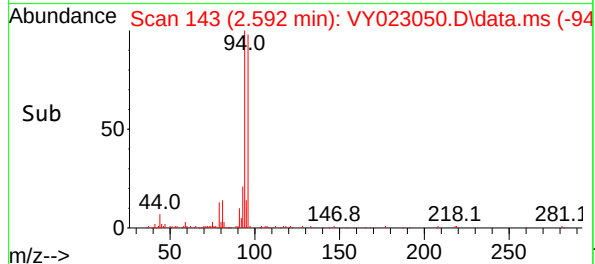
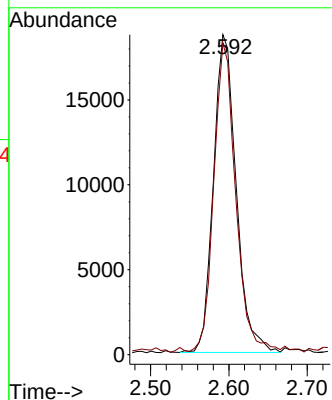
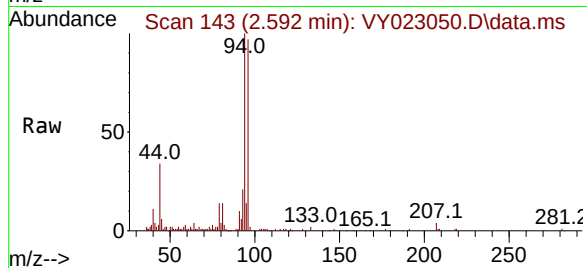
#5
Bromomethane
Concen: 5.513 ug/l
RT: 2.592 min Scan# 143
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 94 Resp: 3777
Ion Ratio Lower Upper
94 100
96 96.5 74.6 112.0

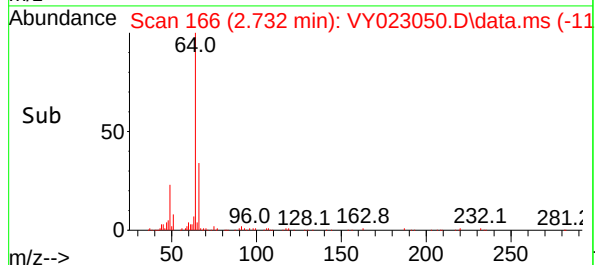
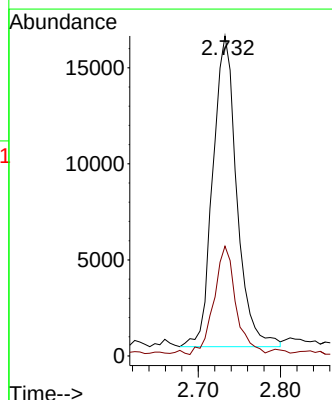
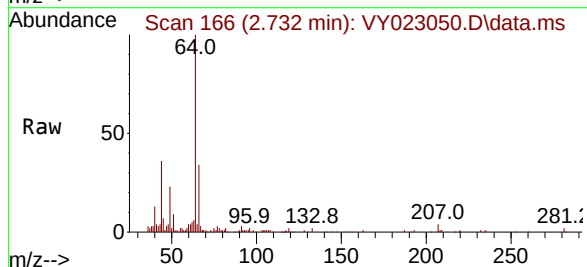
Manual Integrations
APPROVED

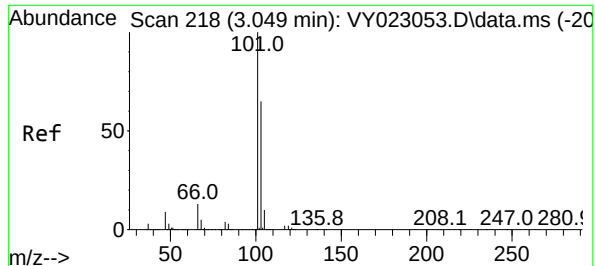
Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025



#6
Chloroethane
Concen: 5.380 ug/l
RT: 2.732 min Scan# 166
Delta R.T. 0.006 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

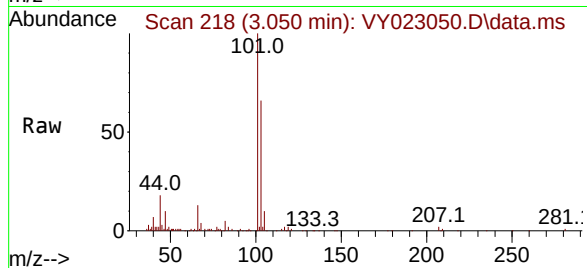
Tgt Ion: 64 Resp: 32816
Ion Ratio Lower Upper
64 100
66 33.5 25.8 38.6





#7
Trichlorofluoromethane
Concen: 5.328 ug/l
RT: 3.050 min Scan# 218
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

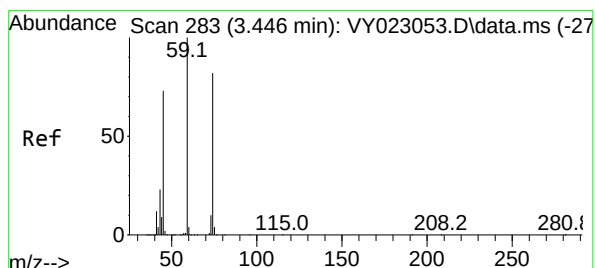
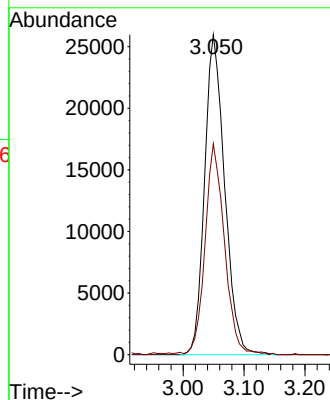
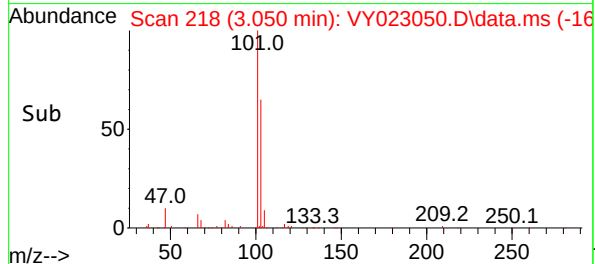
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005



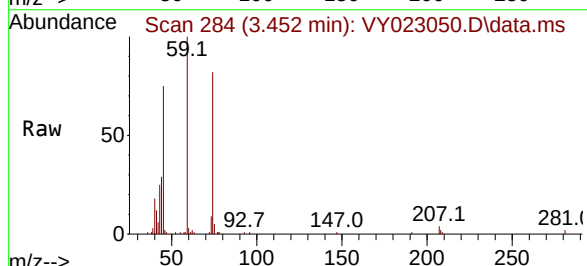
Tgt Ion:101 Resp: 59438
Ion Ratio Lower Upper
101 100
103 65.9 51.9 77.9

Manual Integrations
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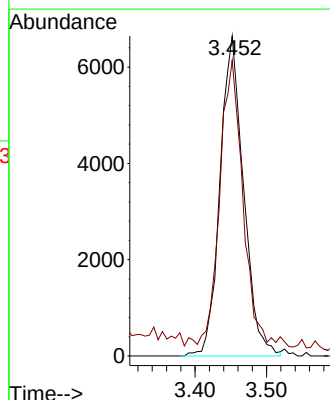
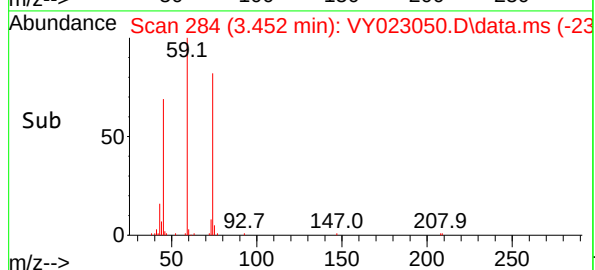
Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025

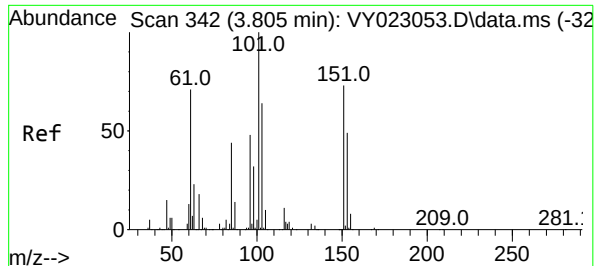


#8
Diethyl Ether
Concen: 5.160 ug/l
RT: 3.452 min Scan# 284
Delta R.T. 0.006 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54



Tgt Ion: 74 Resp: 15231
Ion Ratio Lower Upper
74 100
45 88.2 44.4 133.2





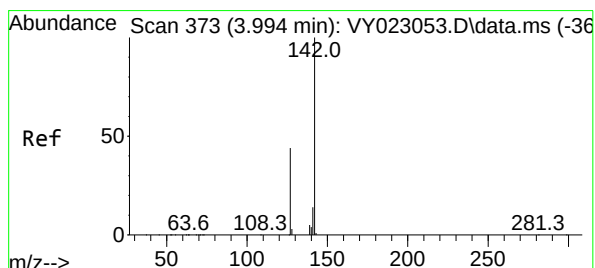
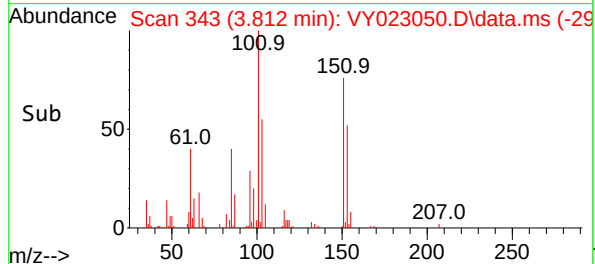
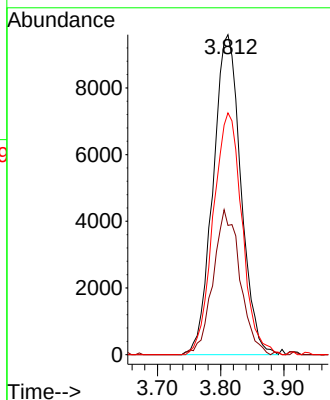
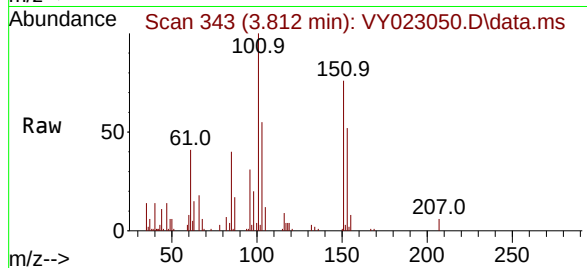
#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.322 ug/l
RT: 3.812 min Scan# 342
Delta R.T. 0.006 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:101 Resp: 2929
Ion Ratio Lower Upper
101 100
85 44.1 36.3 54.5
151 78.2 61.5 92.3

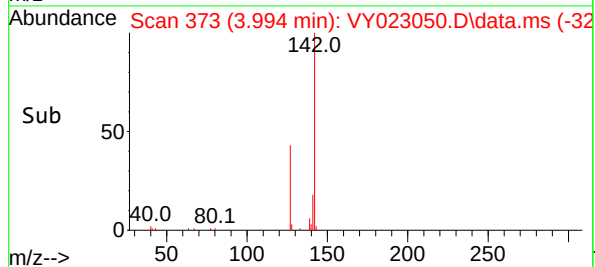
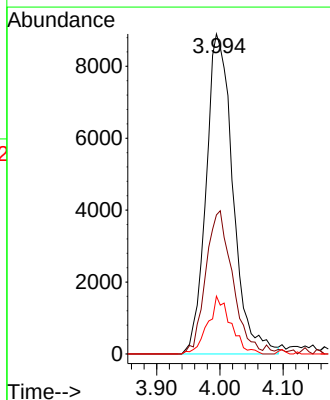
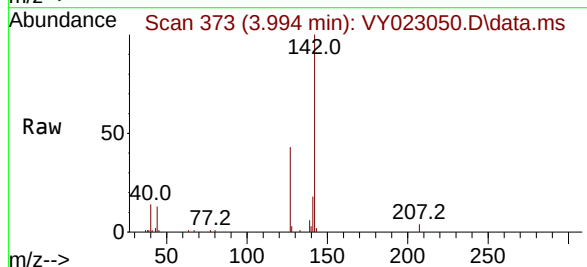
Manual Integrations
APPROVED

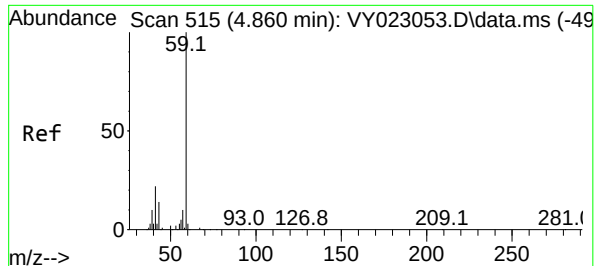
Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025



#10
Methyl Iodide
Concen: 4.424 ug/l
RT: 3.994 min Scan# 373
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion:142 Resp: 26272
Ion Ratio Lower Upper
142 100
127 44.6 34.9 52.3
141 15.6 11.3 16.9





#11

Tert butyl alcohol

Concen: 25.147 ug/l

RT: 4.866 min Scan# 515

Delta R.T. 0.006 min

Lab File: VY023050.D

Acq: 12 Aug 2025 14:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tgt Ion: 59 Resp: 9219

Ion Ratio Lower Upper

59 100

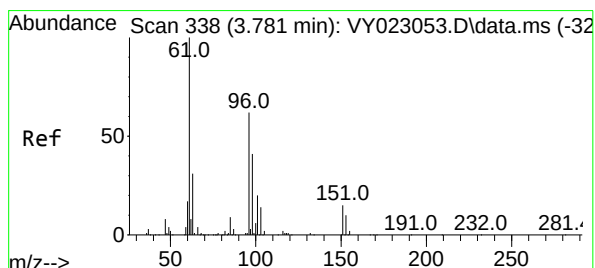
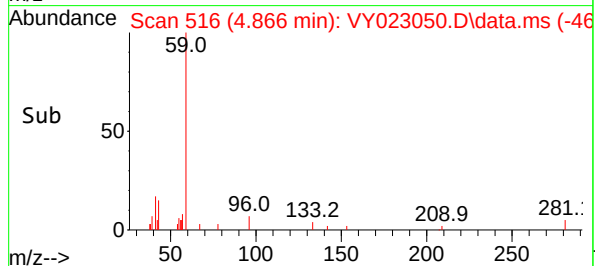
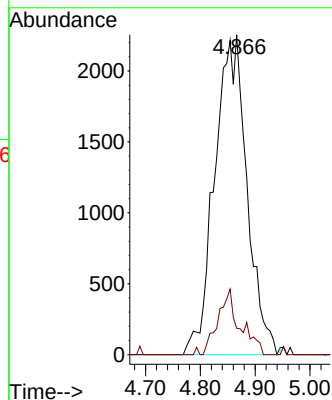
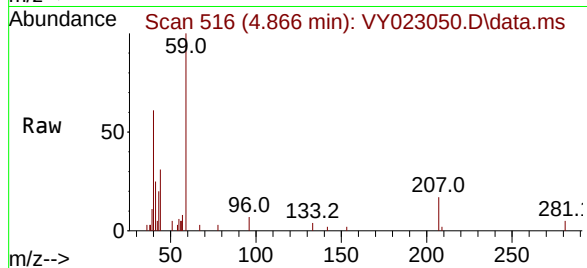
57 13.9 8.6 13.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025

Supervised By :Semsettin Yesilyurt 08/14/2025



#12

1,1-Dichloroethene

Concen: 5.108 ug/l

RT: 3.787 min Scan# 339

Delta R.T. 0.006 min

Lab File: VY023050.D

Acq: 12 Aug 2025 14:54

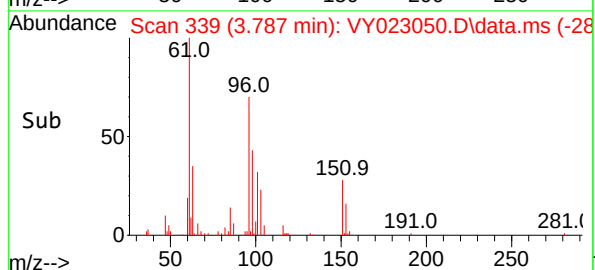
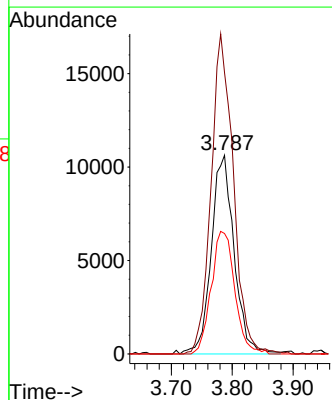
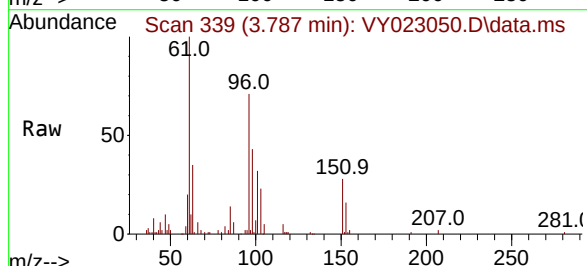
Tgt Ion: 96 Resp: 27635

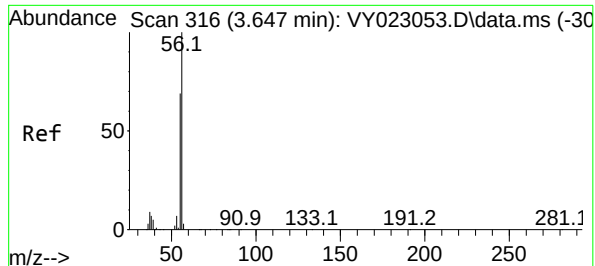
Ion Ratio Lower Upper

96 100

61 141.6 129.4 194.2

98 60.6 52.8 79.2





#13

Acrolein

Concen: 24.941 ug/l

RT: 3.647 min Scan# 316

Delta R.T. 0.000 min

Lab File: VY023050.D

Acq: 12 Aug 2025 14:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC005

Tgt Ion: 56 Resp: 1339

Ion Ratio Lower Upper

56 100

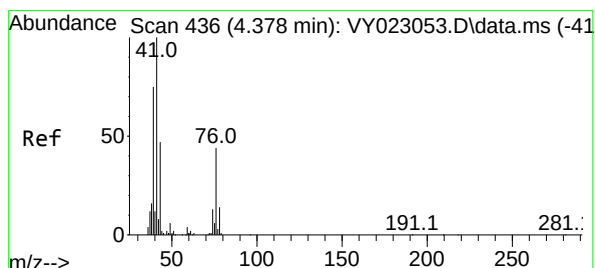
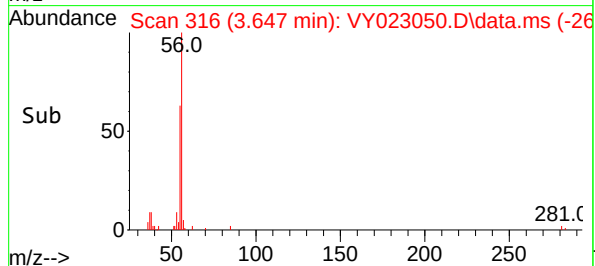
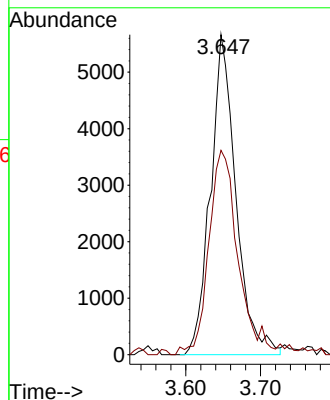
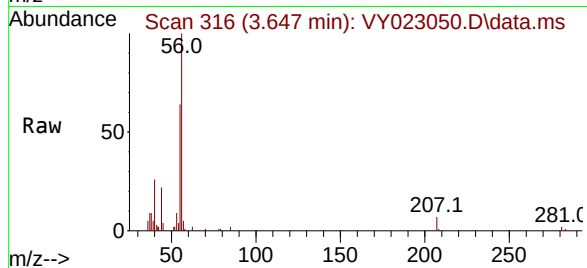
55 72.8 55.2 82.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025

Supervised By :Semsettin Yesilyurt 08/14/2025



#14

Allyl chloride

Concen: 5.176 ug/l

RT: 4.372 min Scan# 435

Delta R.T. -0.006 min

Lab File: VY023050.D

Acq: 12 Aug 2025 14:54

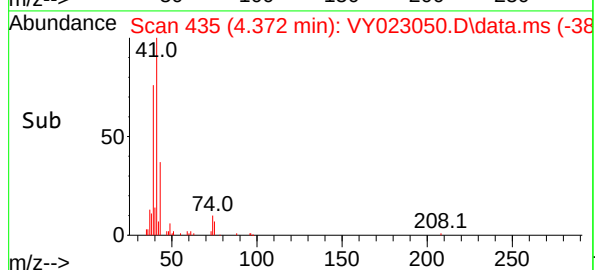
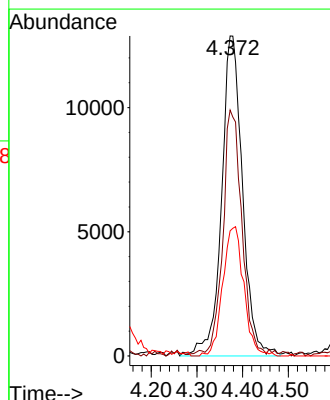
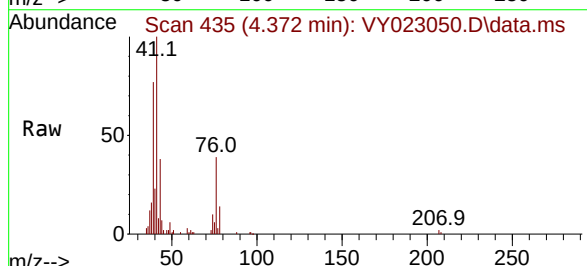
Tgt Ion: 41 Resp: 41201

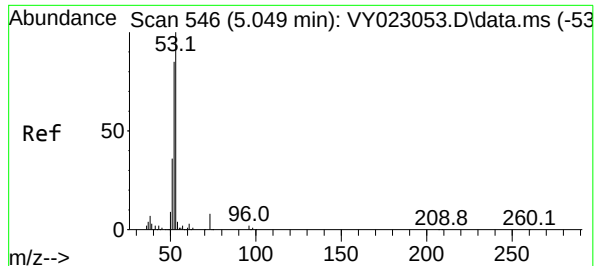
Ion Ratio Lower Upper

41 100

39 67.7 59.8 89.6

76 40.4 33.7 50.5





#15

Acrylonitrile

Concen: 23.547 ug/l

RT: 5.061 min Scan# 546

Delta R.T. 0.012 min

Lab File: VY023050.D

Acq: 12 Aug 2025 14:54

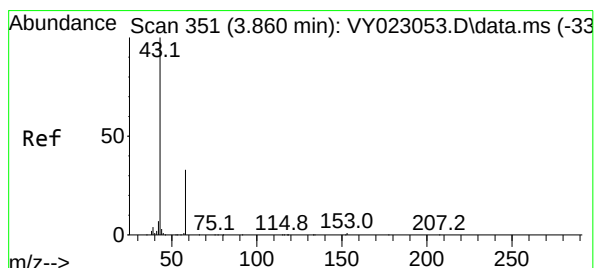
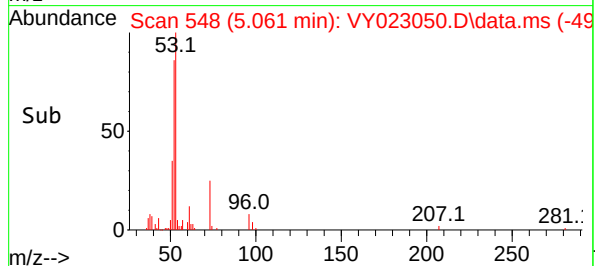
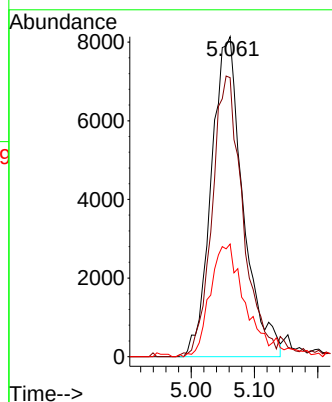
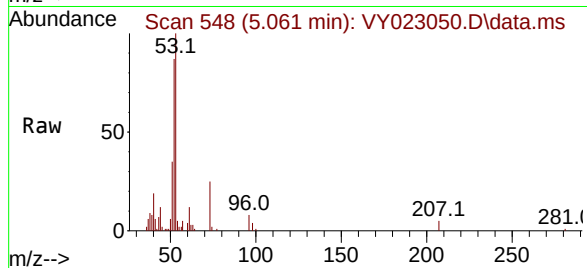
Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC005

Tgt Ion: 53	Resp: 2825
Ion Ratio	Lower Upper
53	100
52	84.9 65.3 97.9
51	40.9 29.5 44.3

Manual Integrations
APPROVEDReviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025

#16

Acetone

Concen: 26.574 ug/l

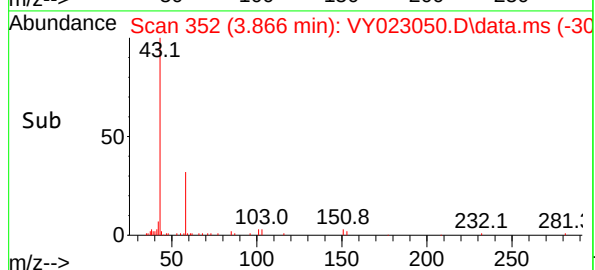
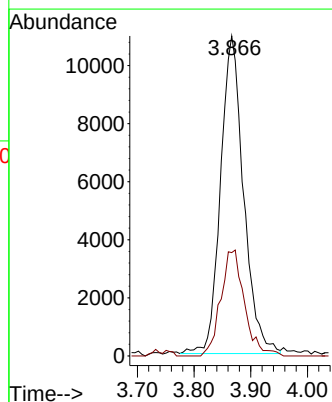
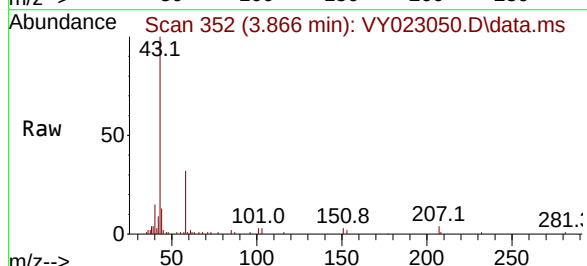
RT: 3.866 min Scan# 352

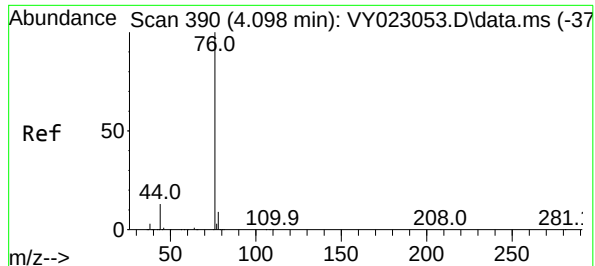
Delta R.T. 0.006 min

Lab File: VY023050.D

Acq: 12 Aug 2025 14:54

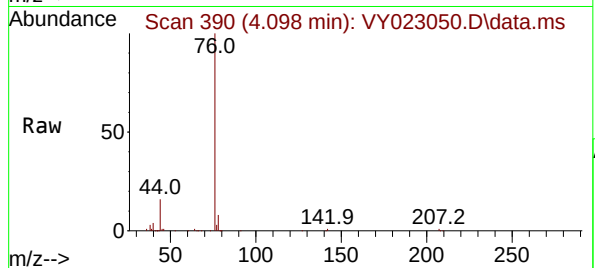
Tgt Ion: 43	Resp: 30803
Ion Ratio	Lower Upper
43	100
58	32.5 27.1 40.7





#17
Carbon Disulfide
Concen: 5.270 ug/l
RT: 4.098 min Scan# 390
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

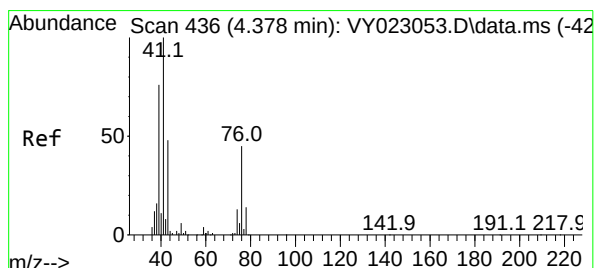
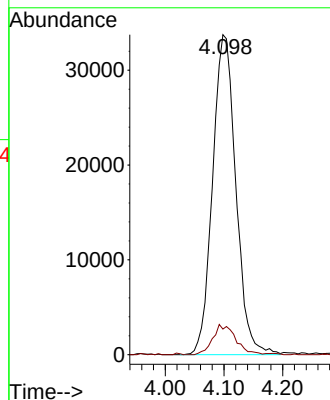
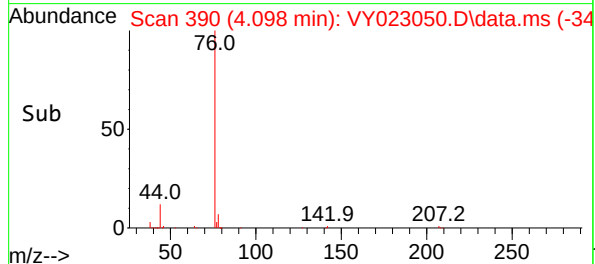
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005



Tgt Ion: 76 Resp: 92964
Ion Ratio Lower Upper
76 100
78 7.8 7.4 11.2

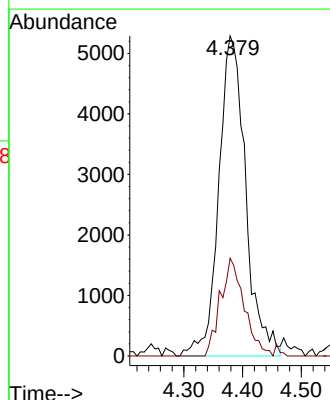
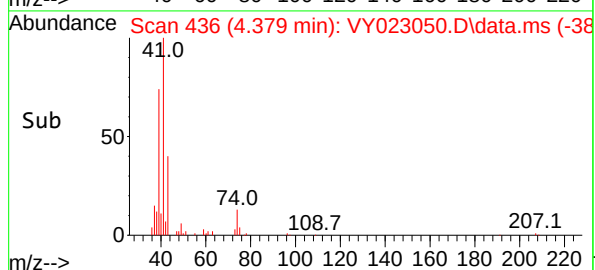
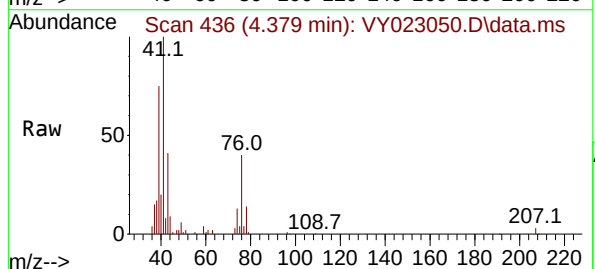
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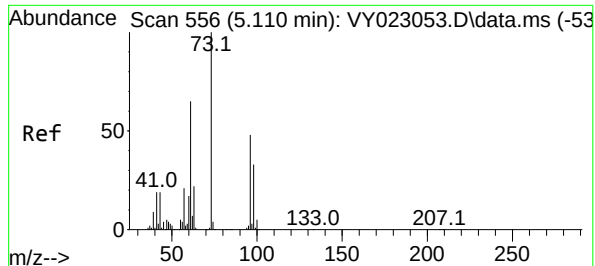
Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025



#18
Methyl Acetate
Concen: 4.872 ug/l
RT: 4.379 min Scan# 436
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion: 43 Resp: 16806
Ion Ratio Lower Upper
43 100
74 26.9 21.2 31.8





#19

Methyl tert-butyl Ether

Concen: 4.730 ug/l

RT: 5.116 min Scan# 51

Delta R.T. 0.006 min

Lab File: VY023050.D

Acq: 12 Aug 2025 14:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC005

Tgt Ion: 73 Resp: 66308

Ion Ratio Lower Upper

73 100

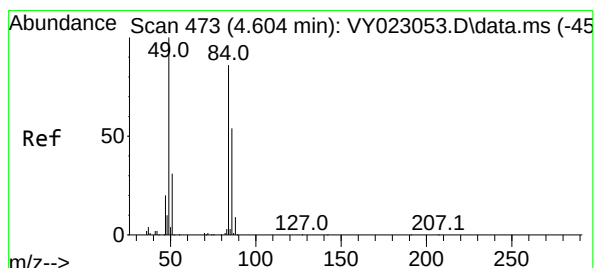
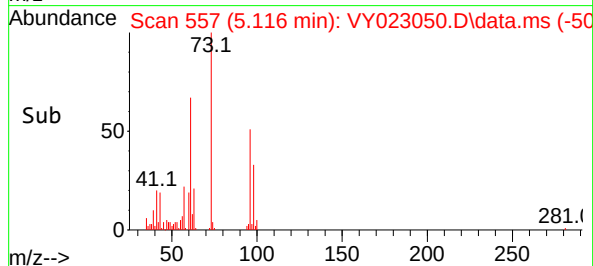
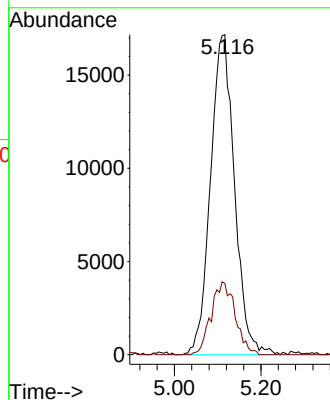
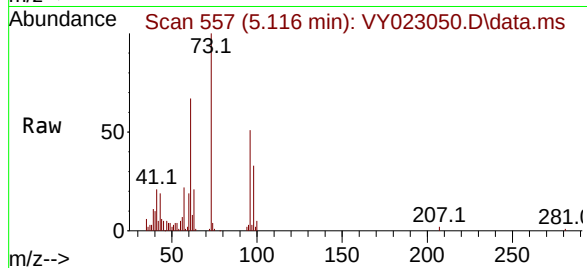
57 22.3 17.1 25.7

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025

Supervised By :Semsettin Yesilyurt 08/14/2025



#20

Methylene Chloride

Concen: 5.657 ug/l

RT: 4.604 min Scan# 473

Delta R.T. 0.000 min

Lab File: VY023050.D

Acq: 12 Aug 2025 14:54

Tgt Ion: 84 Resp: 48322

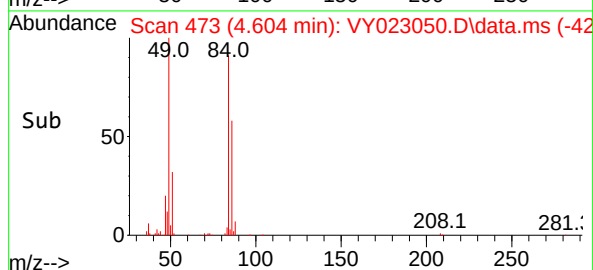
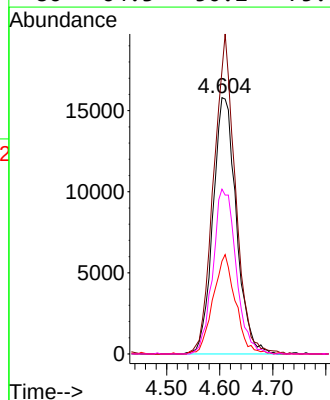
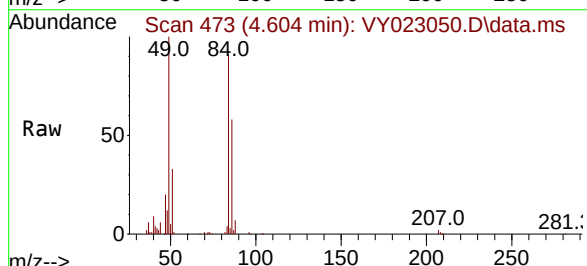
Ion Ratio Lower Upper

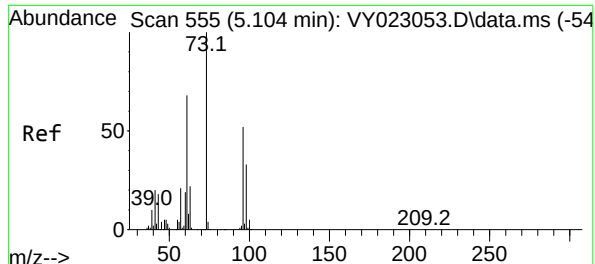
84 100

49 110.5 93.0 139.6

51 36.2 29.0 43.4

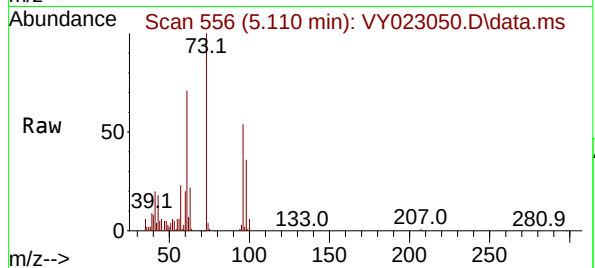
86 64.3 50.2 75.4





#21
trans-1,2-Dichloroethene
Concen: 4.938 ug/l
RT: 5.110 min Scan# 5110
Delta R.T. 0.006 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

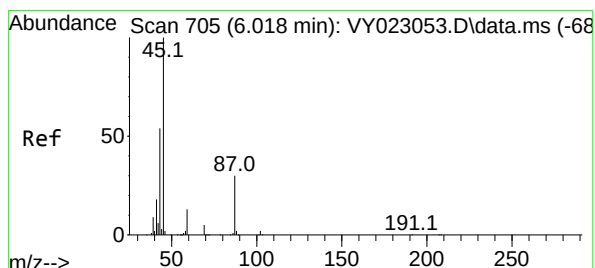
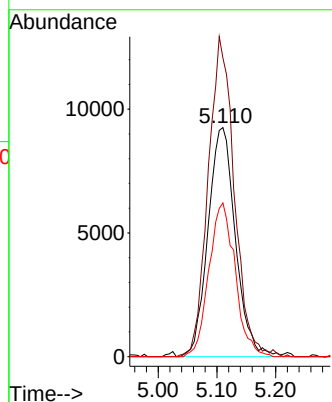
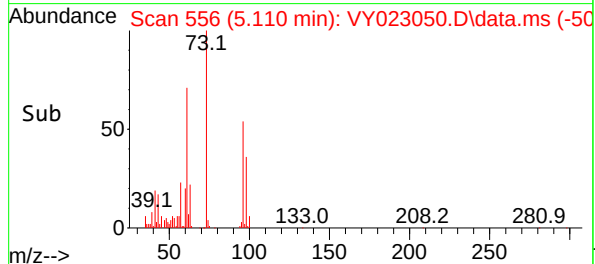
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005



Tgt Ion: 96 Resp: 3002
Ion Ratio Lower Upper
96 100
61 129.7 104.8 157.2
98 67.2 50.1 75.1

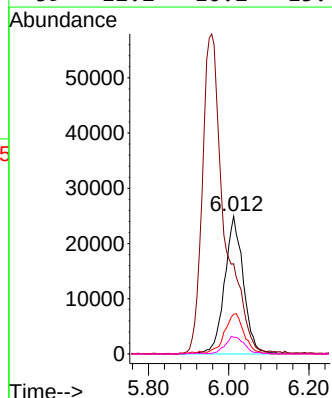
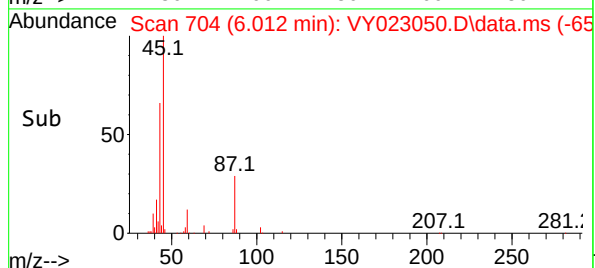
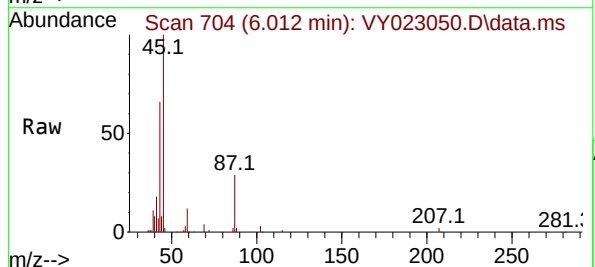
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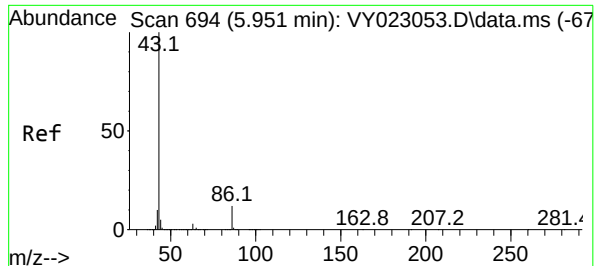
Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025



#22
Diisopropyl ether
Concen: 4.679 ug/l
RT: 6.012 min Scan# 704
Delta R.T. -0.006 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion: 45 Resp: 80938
Ion Ratio Lower Upper
45 100
43 64.9 43.4 65.0
87 28.9 24.4 36.6
59 12.2 10.2 15.4





#23

Vinyl Acetate

Concen: 23.196 ug/l

RT: 5.958 min Scan# 694

Delta R.T. 0.006 min

Lab File: VY023050.D

Acq: 12 Aug 2025 14:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tgt Ion: 43 Resp: 22186

Ion Ratio Lower Upper

43 100

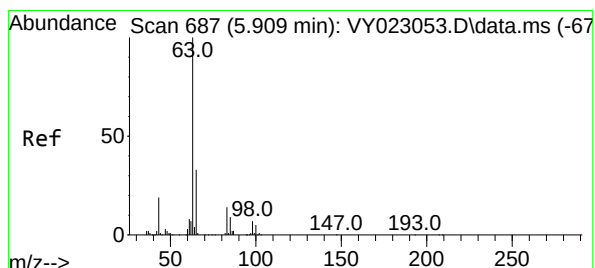
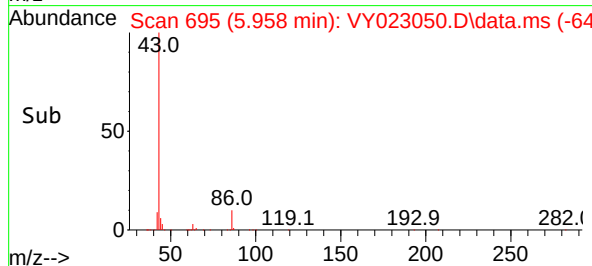
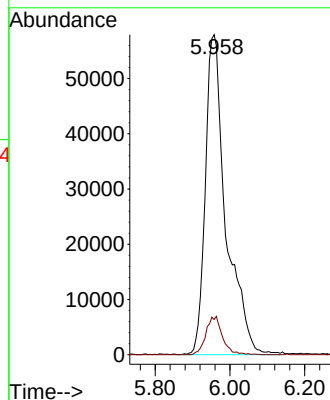
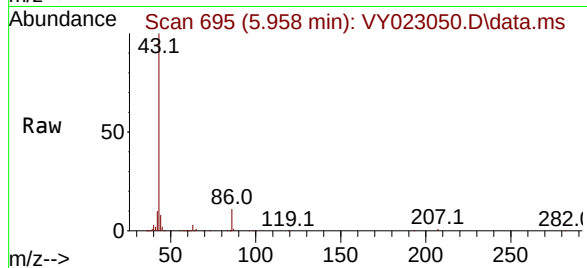
86 11.0 9.6 14.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025

Supervised By :Semsettin Yesilyurt 08/14/2025



#24

1,1-Dichloroethane

Concen: 4.931 ug/l

RT: 5.909 min Scan# 687

Delta R.T. 0.000 min

Lab File: VY023050.D

Acq: 12 Aug 2025 14:54

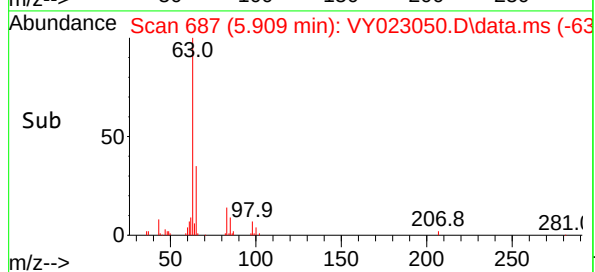
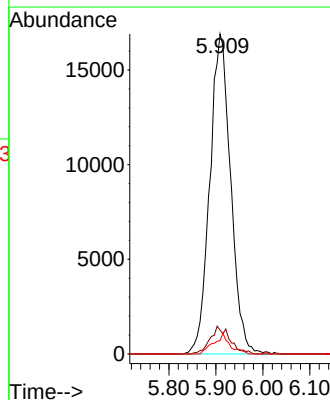
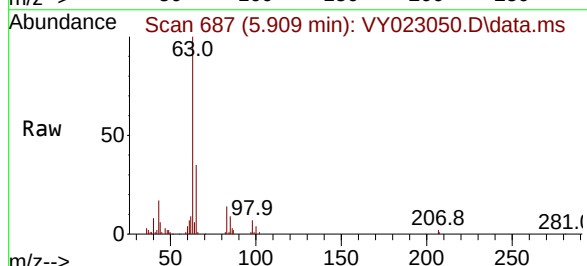
Tgt Ion: 63 Resp: 52152

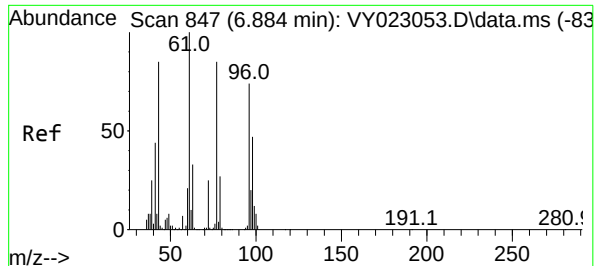
Ion Ratio Lower Upper

63 100

98 7.4 3.5 10.6

100 4.1 2.4 7.1





#25

2-Butanone

Concen: 23.991 ug/l

RT: 6.890 min Scan# 847

Delta R.T. 0.006 min

Lab File: VY023050.D

Acq: 12 Aug 2025 14:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC005

Tgt Ion: 43 Resp: 3782

Ion Ratio Lower Upper

43 100

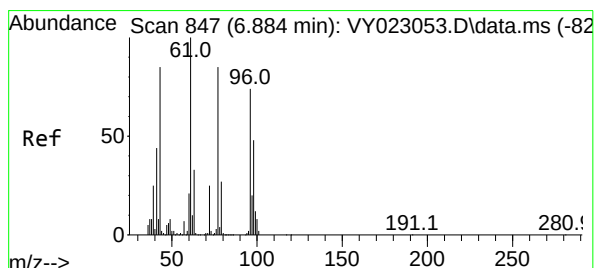
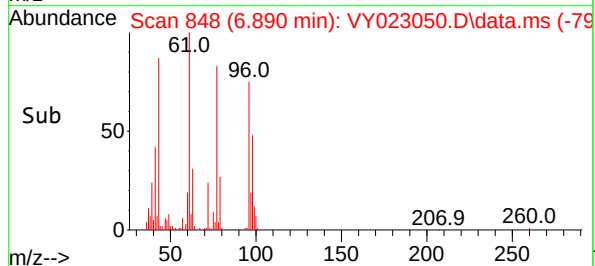
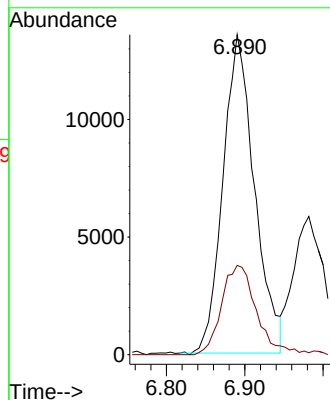
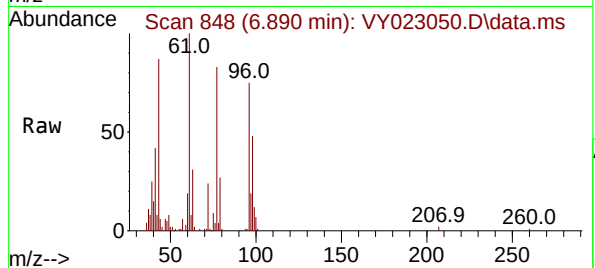
72 28.0 23.5 35.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025

Supervised By :Semsettin Yesilyurt 08/14/2025



#26

2,2-Dichloropropane

Concen: 5.147 ug/l

RT: 6.878 min Scan# 846

Delta R.T. -0.006 min

Lab File: VY023050.D

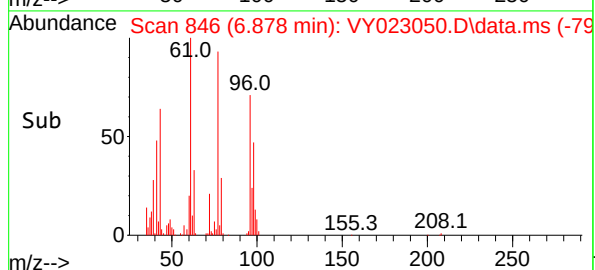
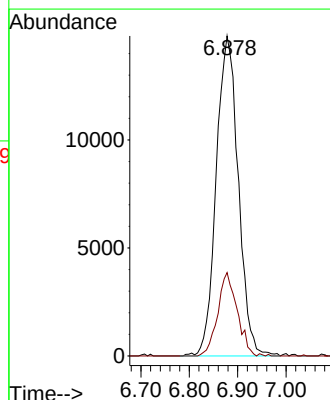
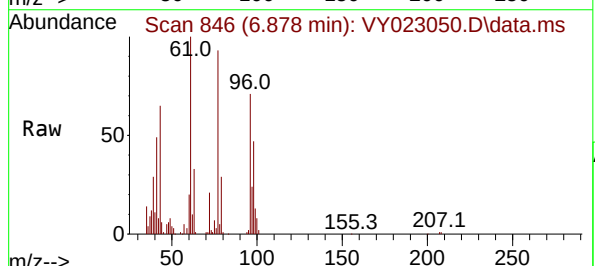
Acq: 12 Aug 2025 14:54

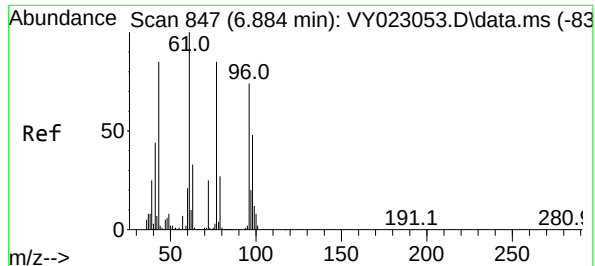
Tgt Ion: 77 Resp: 46964

Ion Ratio Lower Upper

77 100

97 22.8 11.6 34.8





#27

cis-1,2-Dichloroethene

Concen: 4.962 ug/l

RT: 6.884 min Scan# 847

Delta R.T. 0.000 min

Lab File: VY023050.D

Acq: 12 Aug 2025 14:54

Instrument :

MSVOA_Y

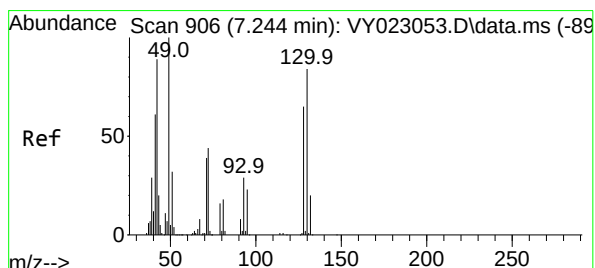
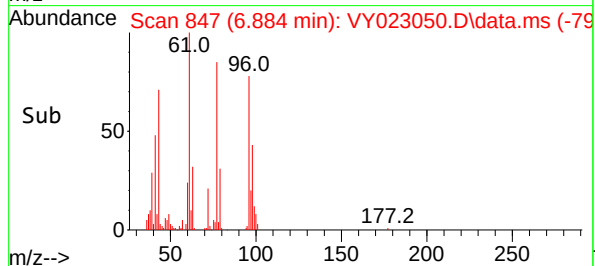
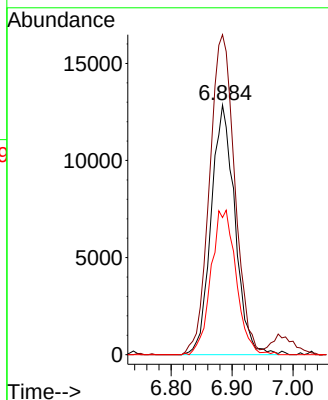
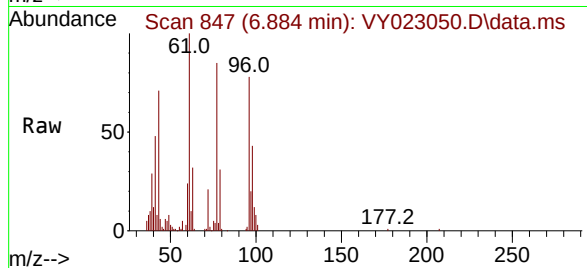
ClientSampleId :

VSTDIC005

Tgt Ion:	96	Resp:	3487
Ion	Ratio	Lower	Upper
96	100		
61	135.9	0.0	278.6
98	61.4	0.0	130.4

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025



#28

Bromochloromethane

Concen: 4.913 ug/l

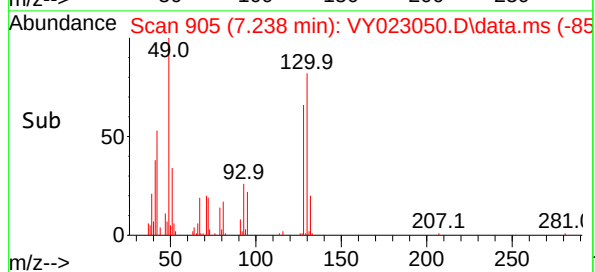
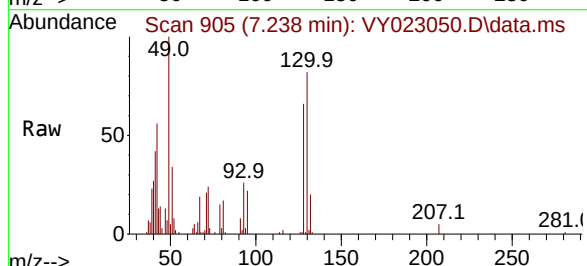
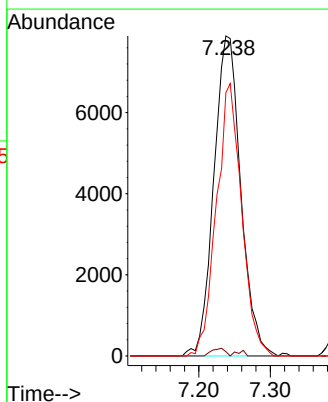
RT: 7.238 min Scan# 905

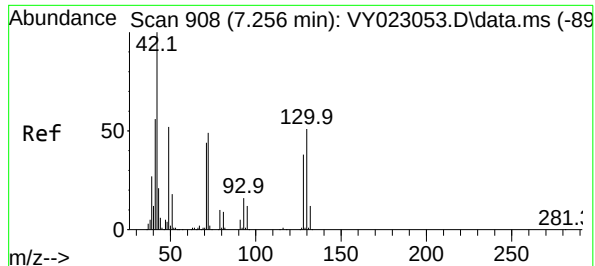
Delta R.T. -0.006 min

Lab File: VY023050.D

Acq: 12 Aug 2025 14:54

Tgt Ion:	49	Resp:	20615
Ion	Ratio	Lower	Upper
49	100		
129	1.2	0.0	4.2
130	79.7	66.4	99.6





#29

Tetrahydrofuran

Concen: 24.035 ug/l

RT: 7.256 min Scan# 908

Delta R.T. 0.000 min

Lab File: VY023050.D

Acq: 12 Aug 2025 14:54

Instrument :

MSVOA_Y

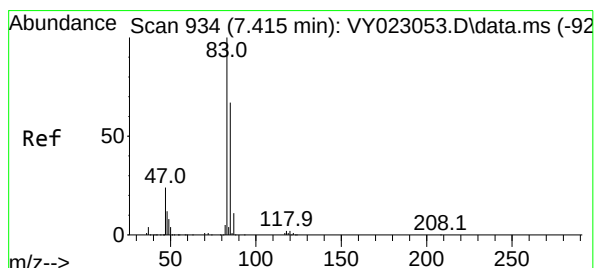
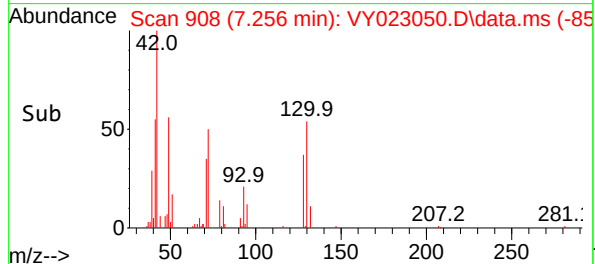
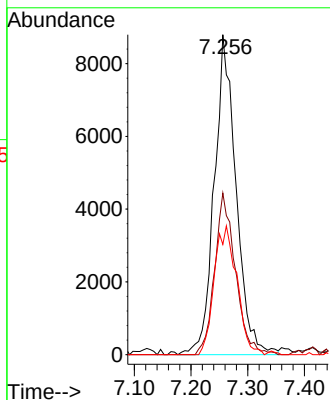
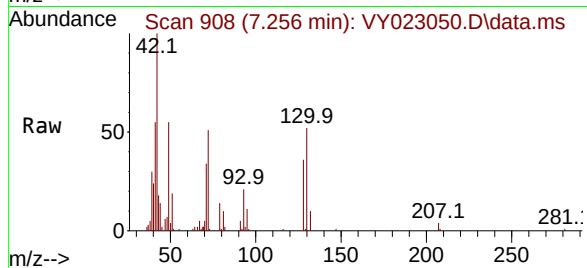
ClientSampleId :

VSTDICC005

Tgt Ion:	42	Resp:	2348
Ion Ratio	Lower	Upper	
42	100		
72	48.1	39.4	59.2
71	41.8	36.5	54.7

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025



#30

Chloroform

Concen: 4.987 ug/l

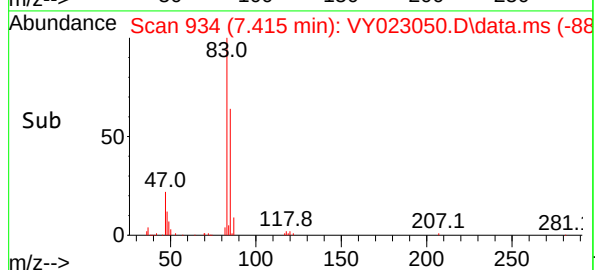
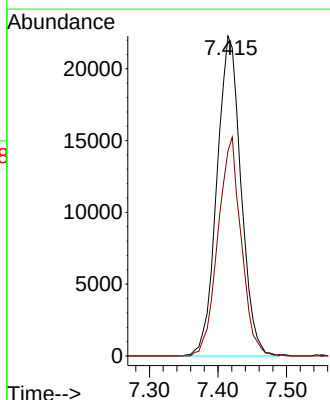
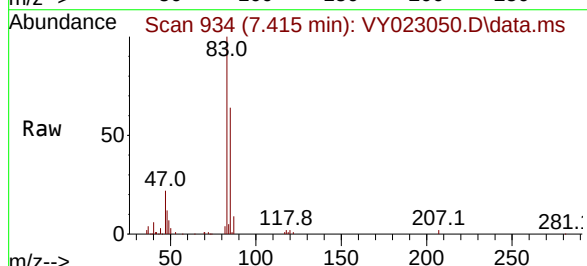
RT: 7.415 min Scan# 934

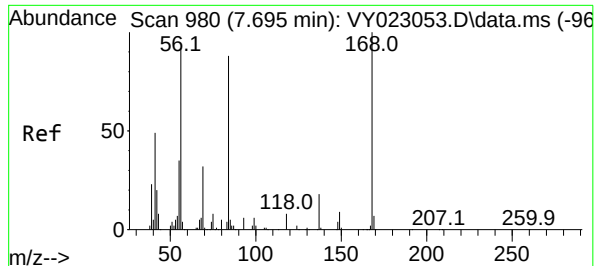
Delta R.T. 0.000 min

Lab File: VY023050.D

Acq: 12 Aug 2025 14:54

Tgt Ion:	83	Resp:	54392
Ion Ratio	Lower	Upper	
83	100		
85	64.0	53.8	80.8





#31

Cyclohexane

Concen: 5.856 ug/l

RT: 7.701 min Scan# 981

Delta R.T. 0.006 min

Lab File: VY023050.D

Acq: 12 Aug 2025 14:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC005

Tgt Ion: 56 Resp: 5836

Ion Ratio Lower Upper

56 100

69 55.3 28.2 42.2

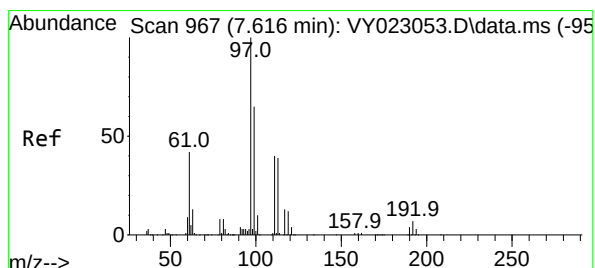
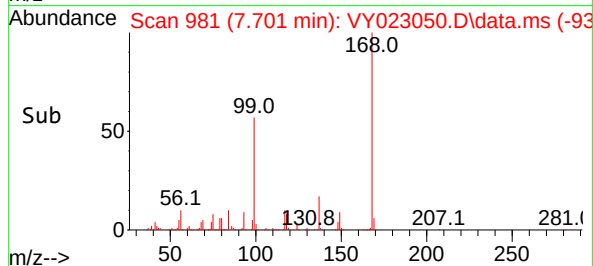
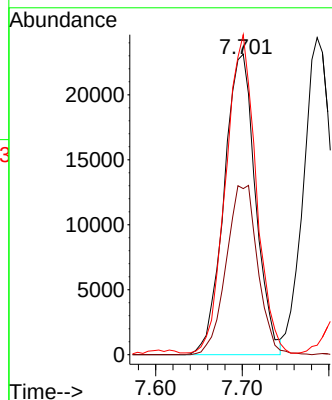
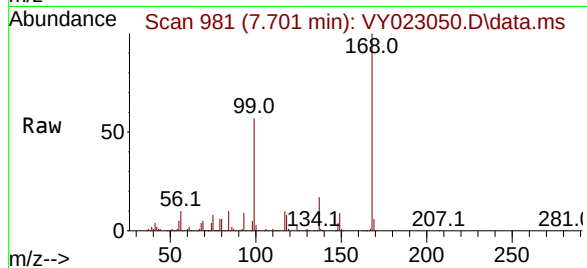
84 105.9 76.6 114.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025

Supervised By :Semsettin Yesilyurt 08/14/2025



#32

1,1,1-Trichloroethane

Concen: 5.003 ug/l

RT: 7.610 min Scan# 966

Delta R.T. -0.006 min

Lab File: VY023050.D

Acq: 12 Aug 2025 14:54

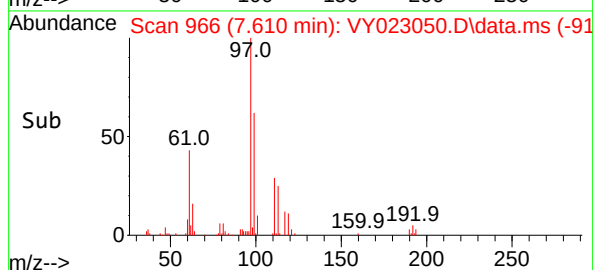
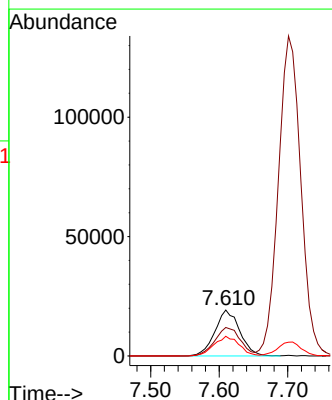
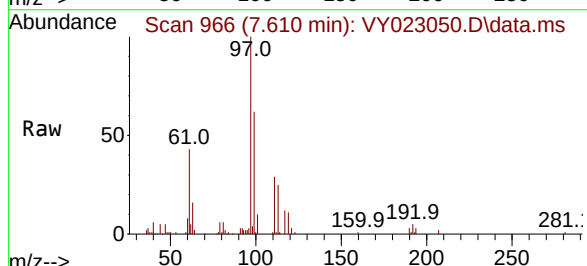
Tgt Ion: 97 Resp: 48413

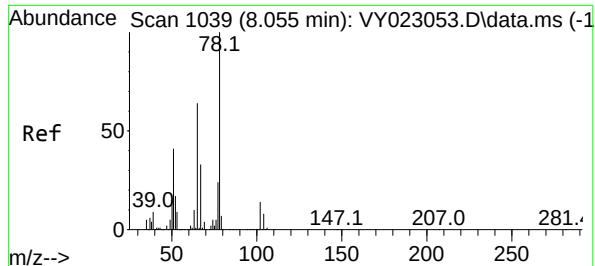
Ion Ratio Lower Upper

97 100

99 63.8 51.6 77.4

61 43.4 34.2 51.2





#33

1,2-Dichloroethane-d4

Concen: 5.152 ug/l

RT: 8.055 min Scan# 1039

Delta R.T. 0.000 min

Lab File: VY023050.D

Acq: 12 Aug 2025 14:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tgt Ion: 65 Resp: 2756

Ion Ratio Lower Upper

65 100

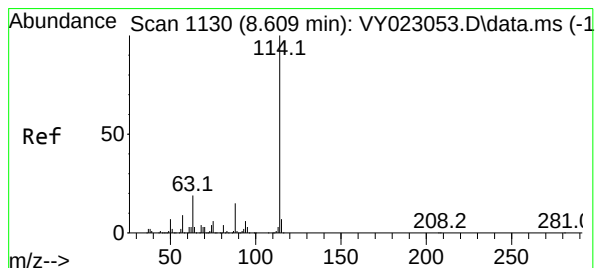
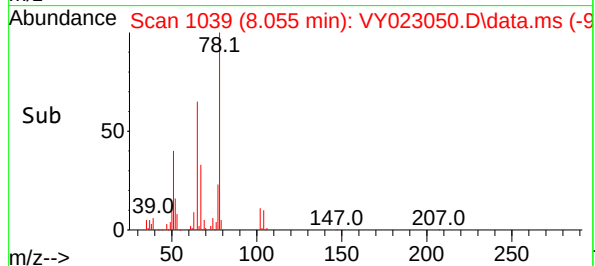
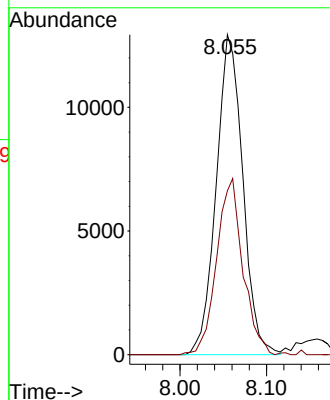
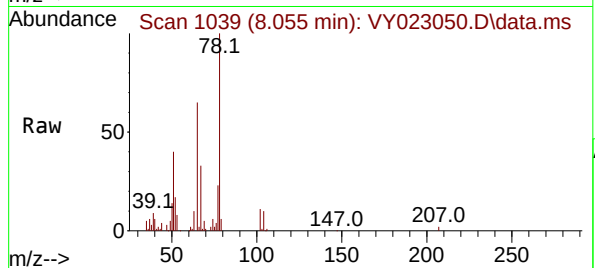
67 54.5 0.0 106.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025

Supervised By :Semsettin Yesilyurt 08/14/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.610 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VY023050.D

Acq: 12 Aug 2025 14:54

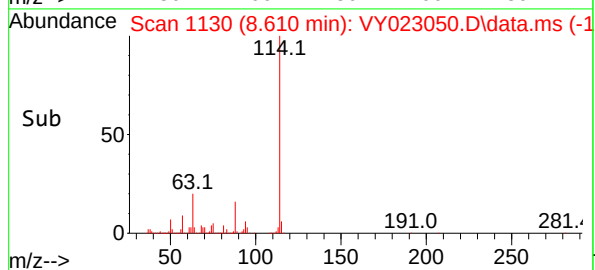
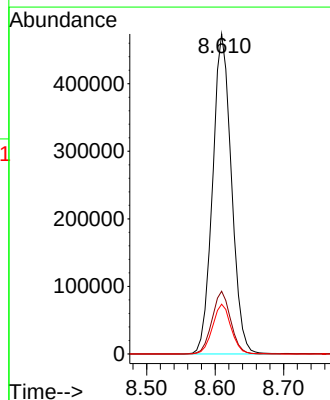
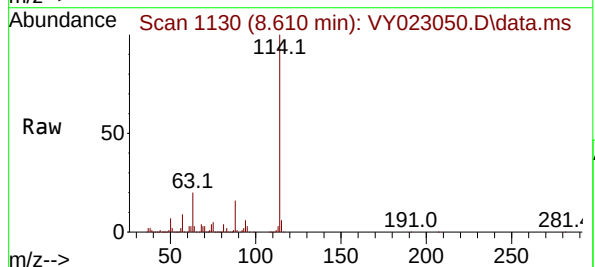
Tgt Ion:114 Resp: 904866

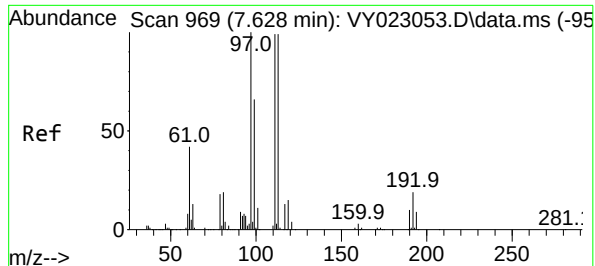
Ion Ratio Lower Upper

114 100

63 19.6 0.0 38.4

88 15.5 0.0 30.0





#35

Dibromofluoromethane

Concen: 4.851 ug/l

RT: 7.634 min Scan# 91

Delta R.T. 0.006 min

Lab File: VY023050.D

Acq: 12 Aug 2025 14:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tgt Ion:113 Resp: 2626

Ion Ratio Lower Upper

113 100

111 108.8 81.1 121.7

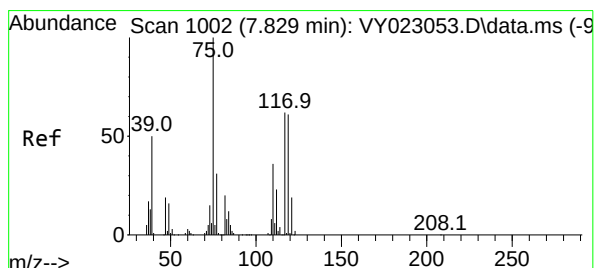
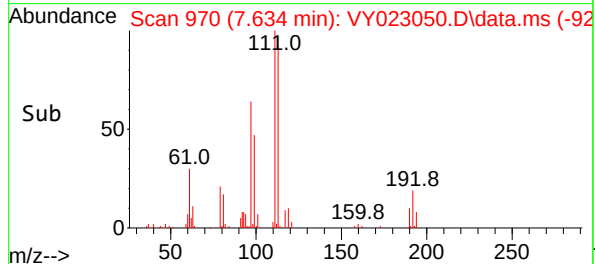
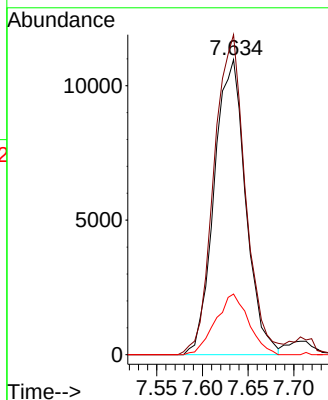
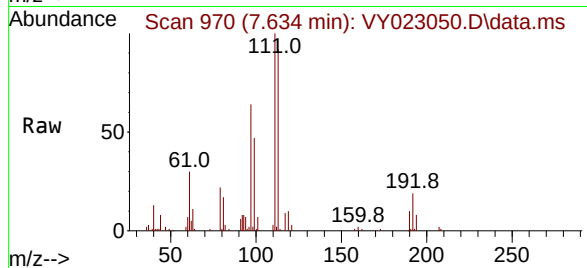
192 21.6 16.2 24.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025

Supervised By :Semsettin Yesilyurt 08/14/2025



#36

1,1-Dichloropropene

Concen: 4.968 ug/l

RT: 7.829 min Scan# 1002

Delta R.T. 0.000 min

Lab File: VY023050.D

Acq: 12 Aug 2025 14:54

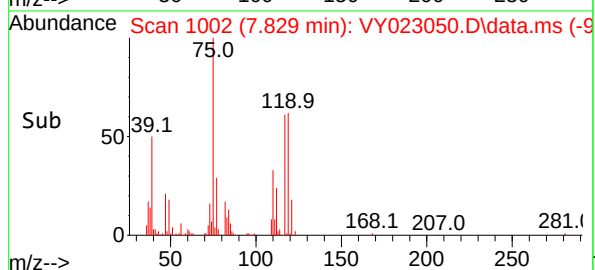
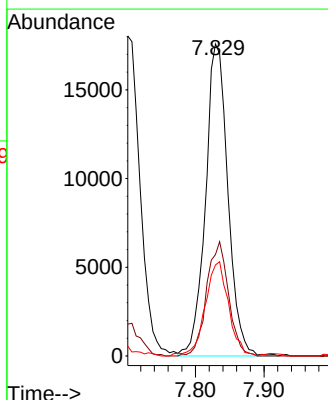
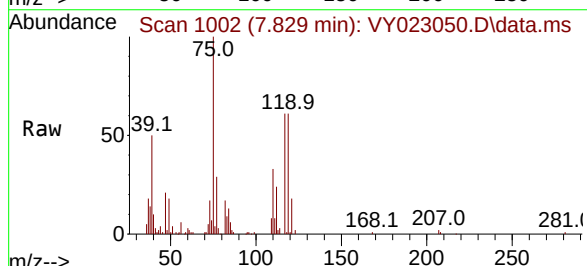
Tgt Ion: 75 Resp: 39978

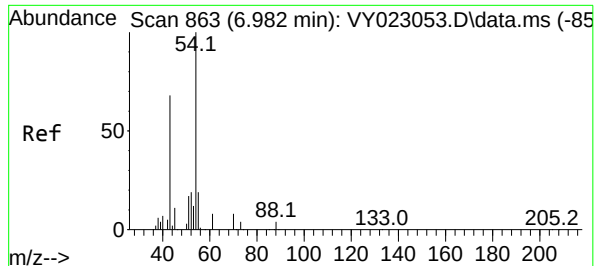
Ion Ratio Lower Upper

75 100

110 35.9 18.1 54.4

77 31.4 24.6 37.0





#37

Ethyl Acetate

Concen: 4.461 ug/l

RT: 6.982 min Scan# 80

Delta R.T. 0.000 min

Lab File: VY023050.D

Acq: 12 Aug 2025 14:54

Instrument :

MSVOA_Y

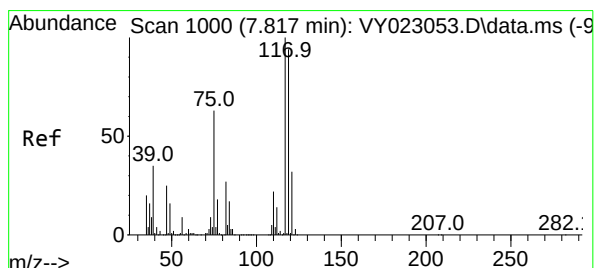
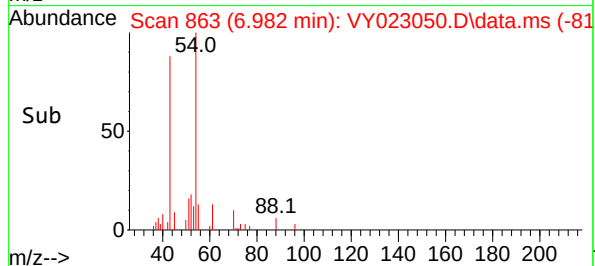
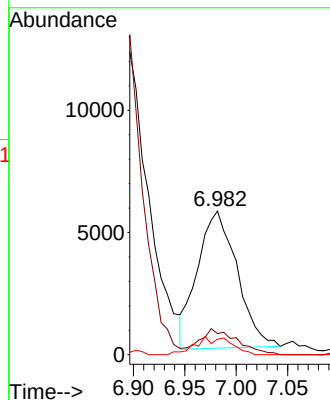
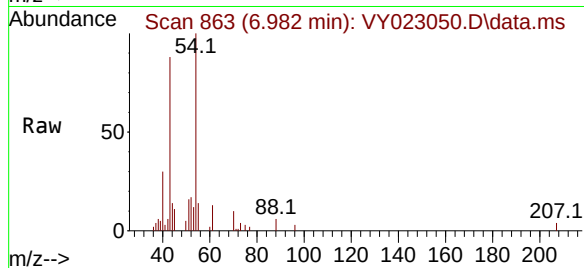
ClientSampleId :

VSTDIC005

Tgt Ion:	43	Resp:	15080
Ion	Ratio	Lower	Upper
43	100		
61	18.1	11.9	17.9
70	11.6	8.8	13.2

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025



#38

Carbon Tetrachloride

Concen: 5.076 ug/l

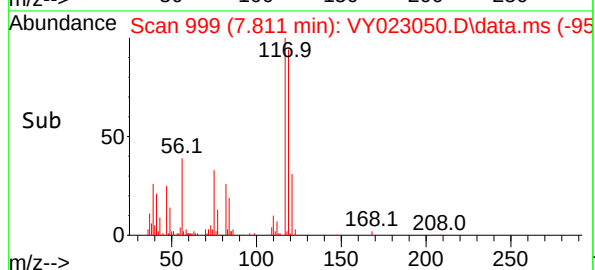
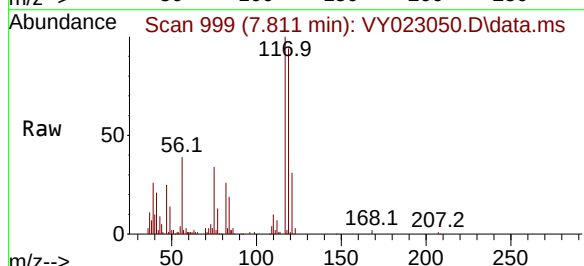
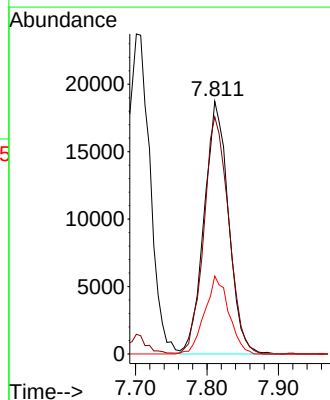
RT: 7.811 min Scan# 999

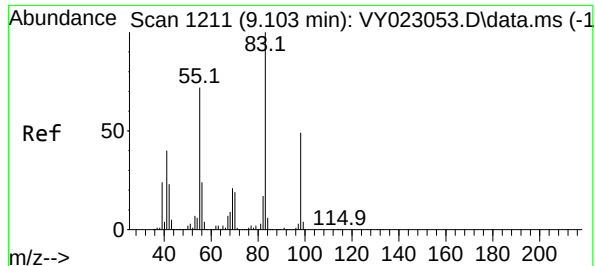
Delta R.T. -0.006 min

Lab File: VY023050.D

Acq: 12 Aug 2025 14:54

Tgt Ion:	117	Resp:	44360
Ion	Ratio	Lower	Upper
117	100		
119	93.9	75.6	113.4
121	30.8	25.8	38.8





#39

Methylcyclohexane

Concen: 4.901 ug/l

RT: 9.103 min Scan# 1211

Delta R.T. 0.000 min

Lab File: VY023050.D

Acq: 12 Aug 2025 14:54

Instrument :

MSVOA_Y

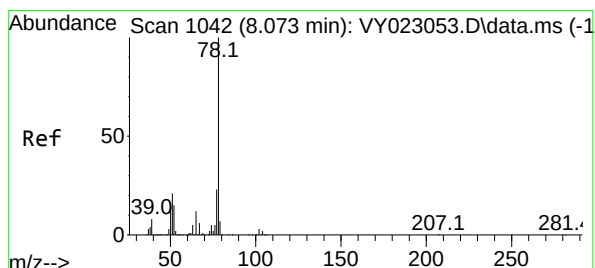
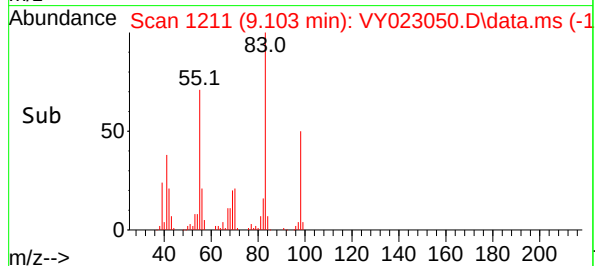
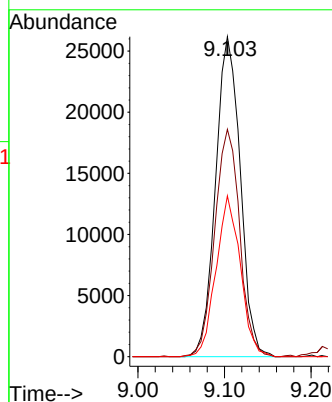
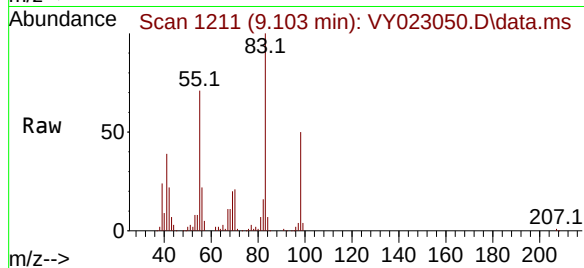
ClientSampleId :

VSTDIC005

Tgt Ion:	83	Resp:	5193
Ion	Ratio	Lower	Upper
83	100		
55	71.1	57.6	86.4
98	50.2	39.2	58.8

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025



#40

Benzene

Concen: 4.939 ug/l

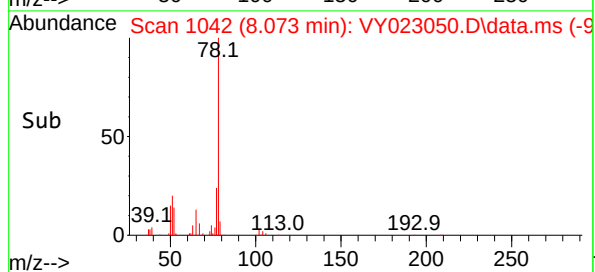
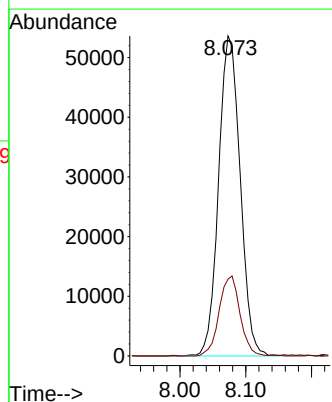
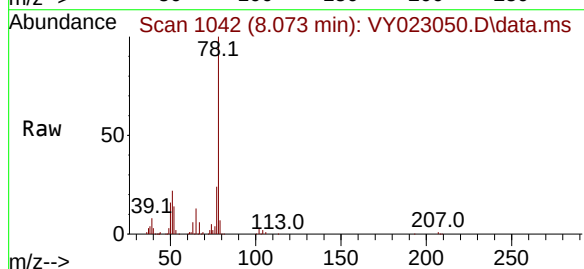
RT: 8.073 min Scan# 1042

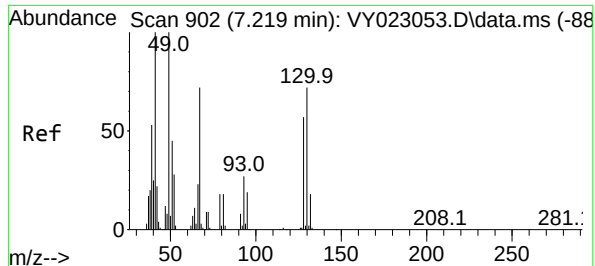
Delta R.T. 0.000 min

Lab File: VY023050.D

Acq: 12 Aug 2025 14:54

Tgt Ion:	78	Resp:	122482
Ion	Ratio	Lower	Upper
78	100		
77	24.0	18.6	28.0





#41

Methacrylonitrile

Concen: 5.247 ug/l m

RT: 7.232 min Scan# 902

Delta R.T. 0.012 min

Lab File: VY023050.D

Acq: 12 Aug 2025 14:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC005

Tgt Ion: 41 Resp: 10240

Ion Ratio Lower Upper

41 100

39 47.1 43.4 65.2

67 72.4 63.6 95.4

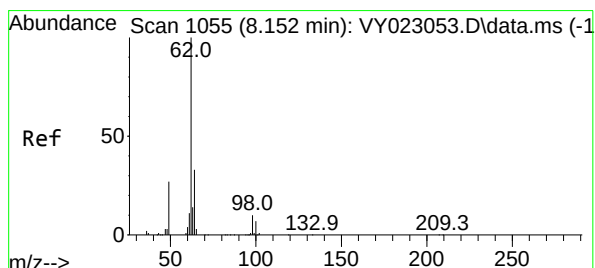
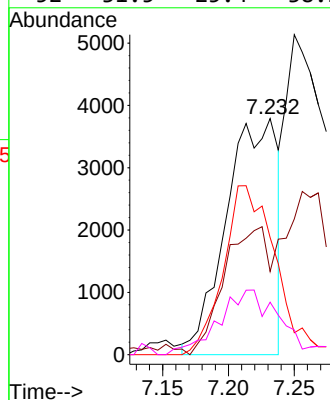
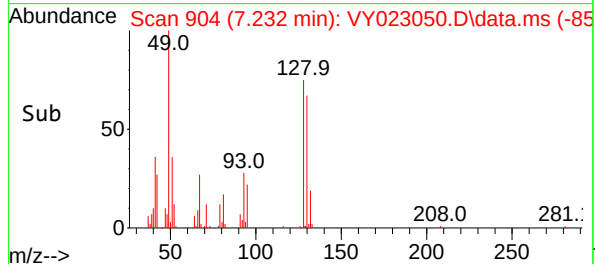
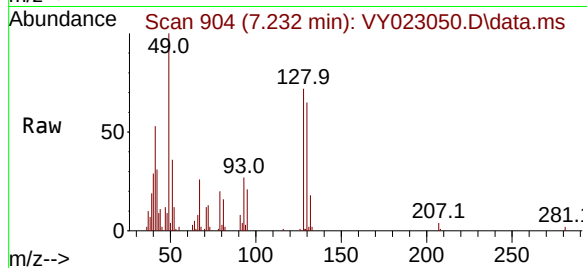
52 31.5 25.4 38.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025

Supervised By :Semsettin Yesilyurt 08/14/2025



#42

1,2-Dichloroethane

Concen: 4.946 ug/l

RT: 8.152 min Scan# 1055

Delta R.T. 0.000 min

Lab File: VY023050.D

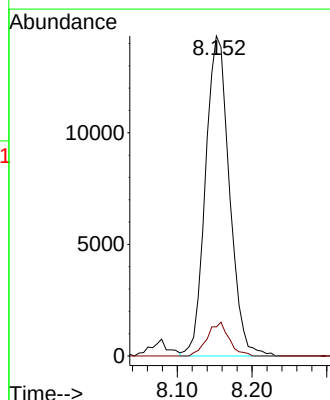
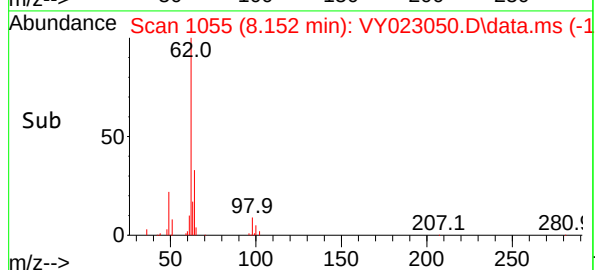
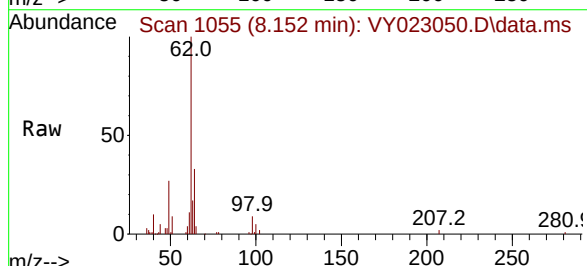
Acq: 12 Aug 2025 14:54

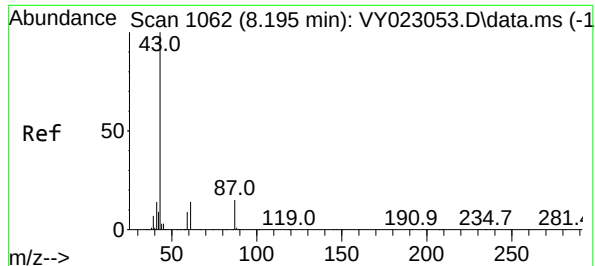
Tgt Ion: 62 Resp: 31902

Ion Ratio Lower Upper

62 100

98 9.6 0.0 20.6





#43

Isopropyl Acetate

Concen: 4.668 ug/l

RT: 8.195 min Scan# 1062

Delta R.T. 0.000 min

Lab File: VY023050.D

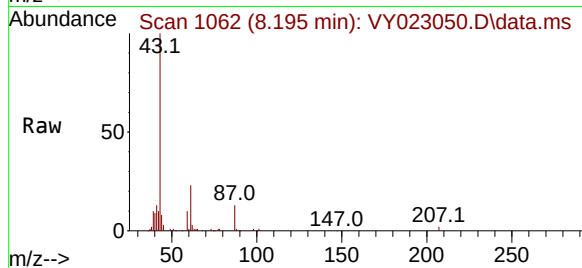
Acq: 12 Aug 2025 14:54

Instrument :

MSVOA_Y

ClientSampleId :

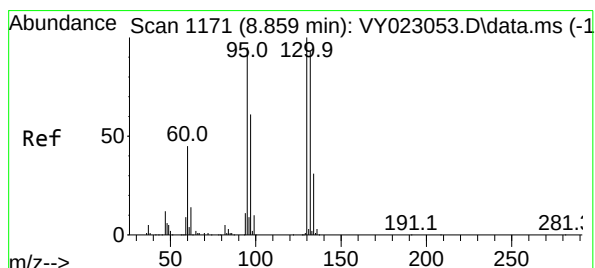
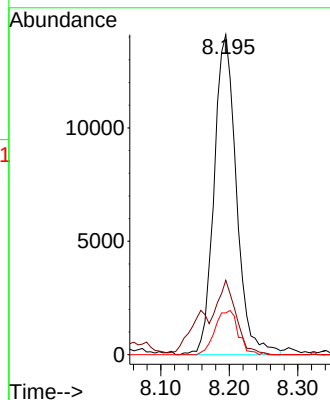
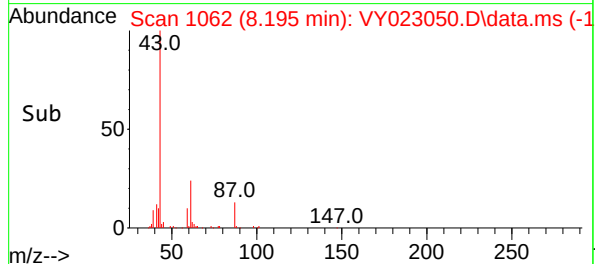
VSTDIC005



Tgt Ion: 43	Resp: 31890
Ion Ratio	Lower Upper
43	100
61	20.6 16.4 24.6
87	14.4 11.8 17.6

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025



#44

Trichloroethene

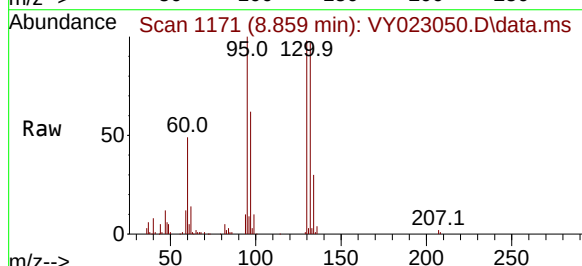
Concen: 5.001 ug/l

RT: 8.859 min Scan# 1171

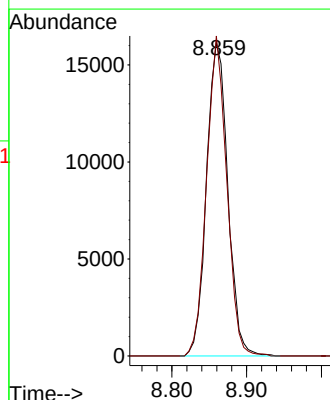
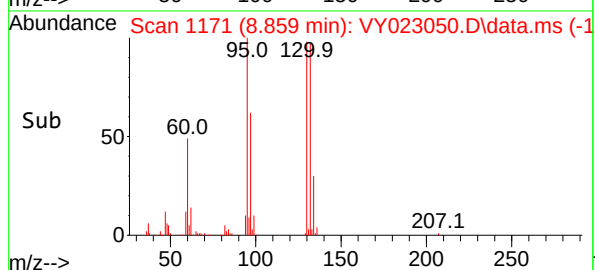
Delta R.T. 0.000 min

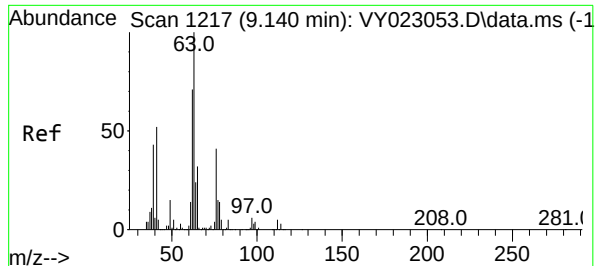
Lab File: VY023050.D

Acq: 12 Aug 2025 14:54



Tgt Ion:130	Resp: 32050
Ion Ratio	Lower Upper
130	100
95	102.2 0.0 190.2





#45

1,2-Dichloropropane

Concen: 4.805 ug/l

RT: 9.134 min Scan# 1216

Delta R.T. -0.006 min

Lab File: VY023050.D

Acq: 12 Aug 2025 14:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tgt Ion: 63 Resp: 27418

Ion Ratio Lower Upper

63 100

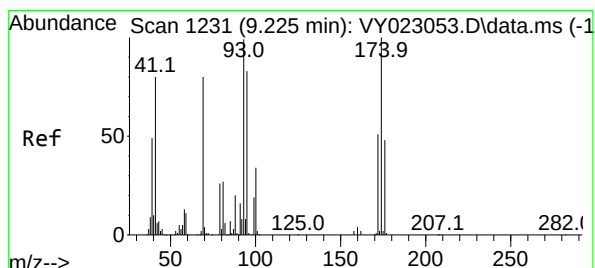
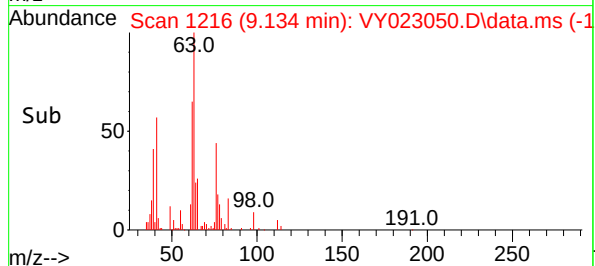
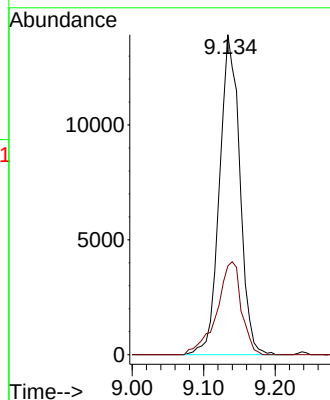
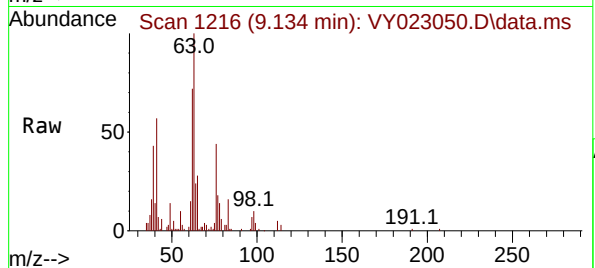
65 27.7 25.3 37.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025

Supervised By :Semsettin Yesilyurt 08/14/2025



#46

Dibromomethane

Concen: 4.590 ug/l

RT: 9.225 min Scan# 1231

Delta R.T. 0.000 min

Lab File: VY023050.D

Acq: 12 Aug 2025 14:54

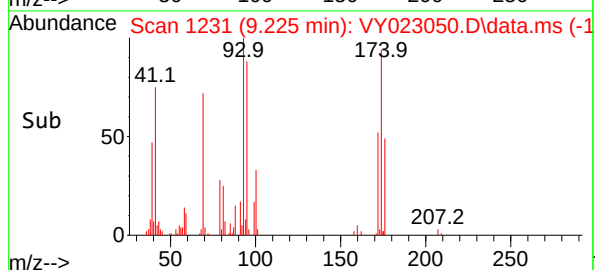
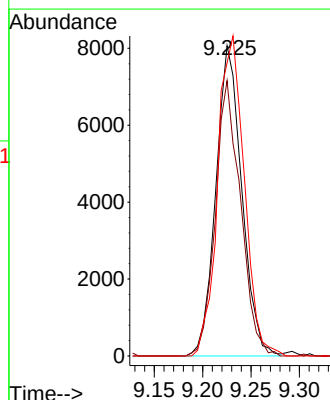
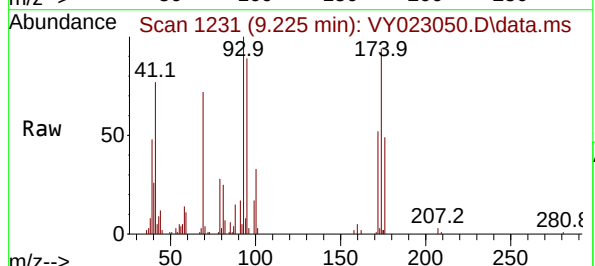
Tgt Ion: 93 Resp: 15033

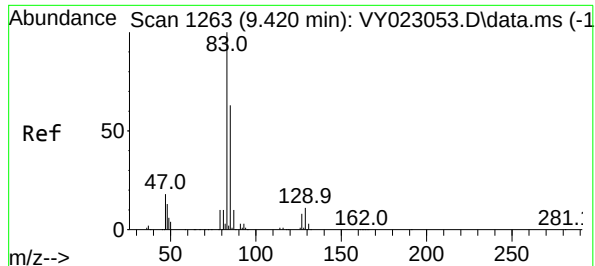
Ion Ratio Lower Upper

93 100

95 86.0 66.5 99.7

174 106.0 81.8 122.8





#47

Bromodichloromethane

Concen: 4.785 ug/l

RT: 9.420 min Scan# 1263

Delta R.T. 0.000 min

Lab File: VY023050.D

Acq: 12 Aug 2025 14:54

Instrument :

MSVOA_Y

ClientSampleId :

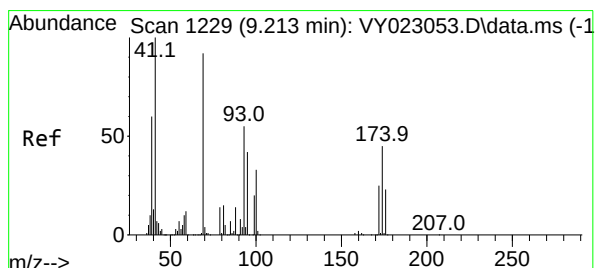
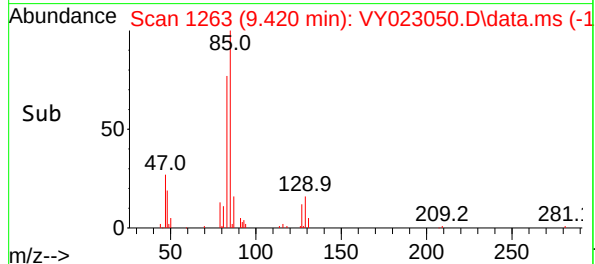
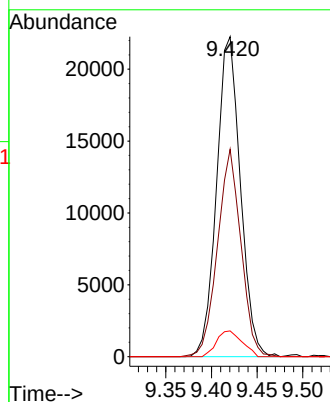
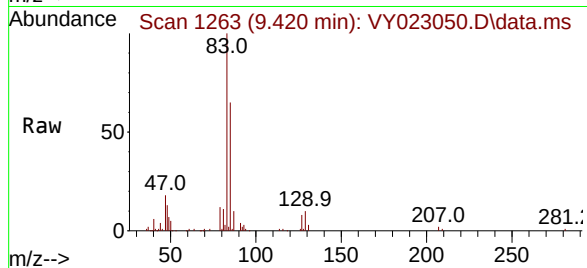
VSTDICC005

Tgt Ion:	83	Resp:	4032
Ion	Ratio	Lower	Upper
83	100		
85	64.8	50.2	75.4
127	8.1	6.6	10.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025



#48

Methyl methacrylate

Concen: 4.122 ug/l

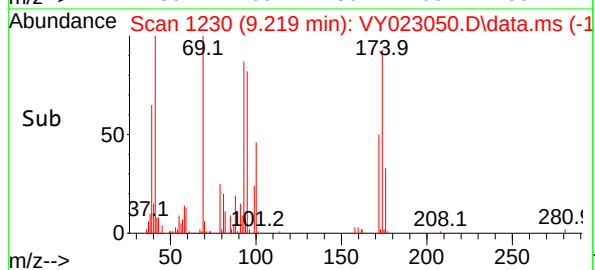
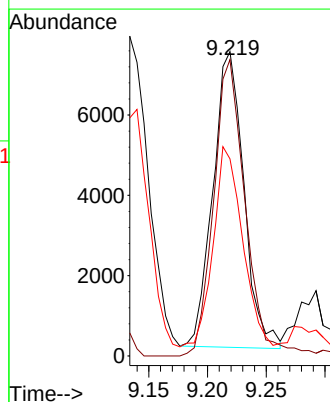
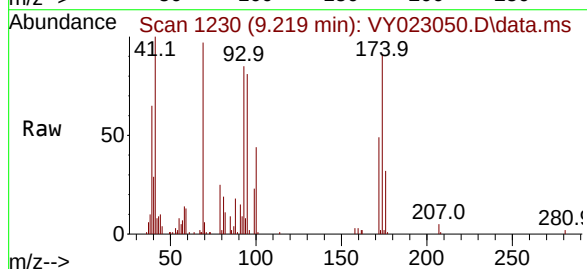
RT: 9.219 min Scan# 1230

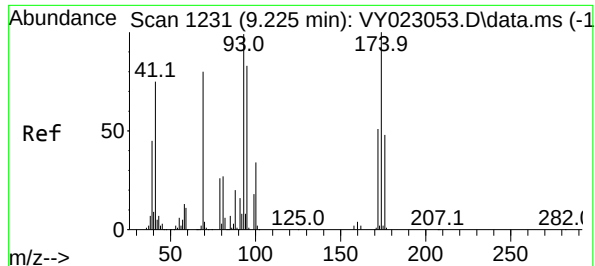
Delta R.T. 0.006 min

Lab File: VY023050.D

Acq: 12 Aug 2025 14:54

Tgt Ion:	41	Resp:	13477
Ion	Ratio	Lower	Upper
41	100		
69	102.1	73.2	109.8
39	65.2	47.0	70.4





#49

1,4-Dioxane

Concen: 89.939 ug/l

RT: 9.231 min Scan# 1231

Delta R.T. 0.006 min

Lab File: VY023050.D

Acq: 12 Aug 2025 14:54

Instrument :

MSVOA_Y

ClientSampleId :

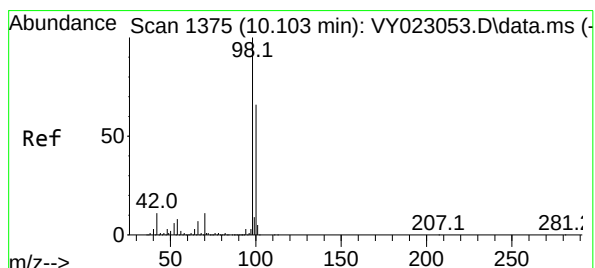
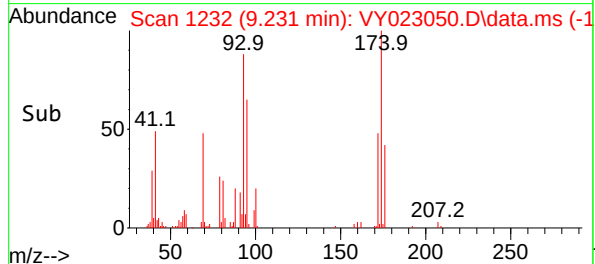
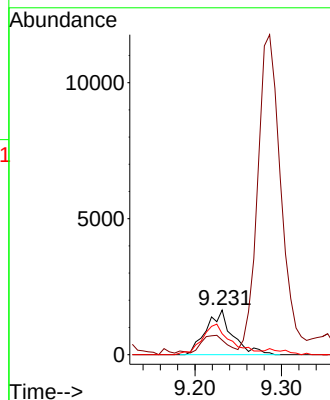
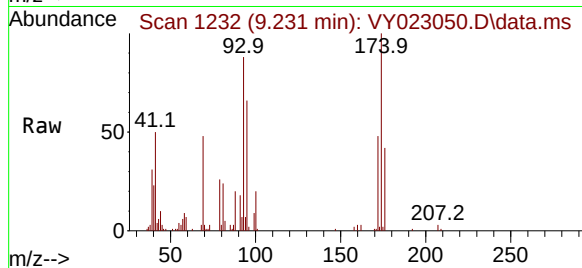
VSTDIC005

Tgt Ion:	88	Resp:	3454
Ion	Ratio	Lower	Upper
88	100		
43	38.3	24.3	36.5
58	74.4	55.4	83.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025



#50

Toluene-d8

Concen: 4.924 ug/l

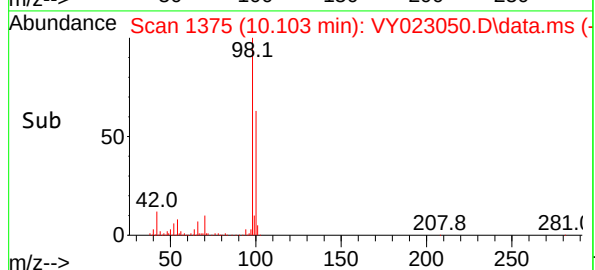
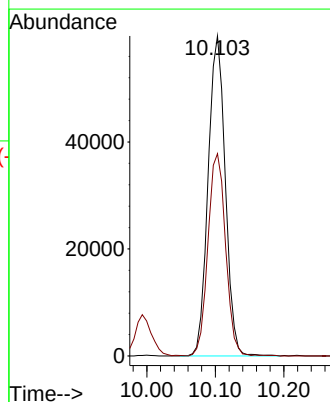
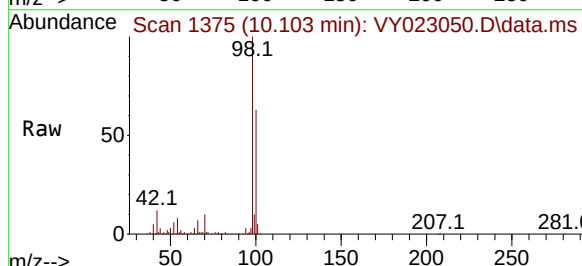
RT: 10.103 min Scan# 1375

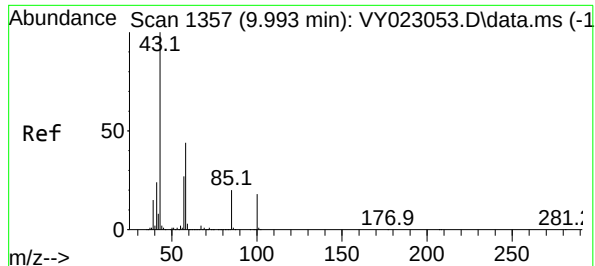
Delta R.T. 0.000 min

Lab File: VY023050.D

Acq: 12 Aug 2025 14:54

Tgt Ion:	98	Resp:	104144
Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.3	78.5





#51

4-Methyl-2-Pentanone

Concen: 21.535 ug/l

RT: 9.993 min Scan# 1357

Delta R.T. 0.000 min

Lab File: VY023050.D

Acq: 12 Aug 2025 14:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tgt Ion: 43 Resp: 7589

Ion Ratio Lower Upper

43 100

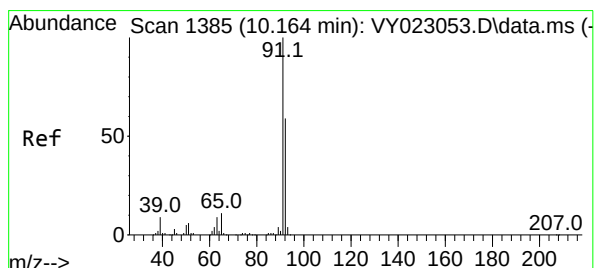
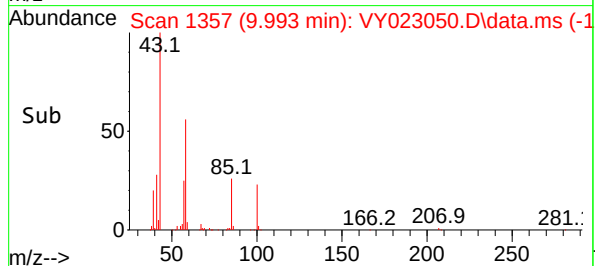
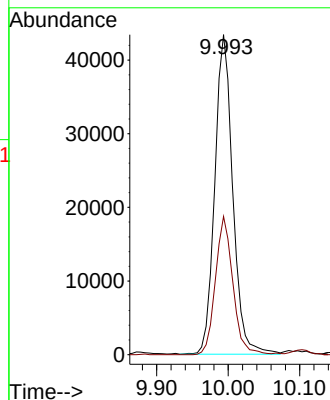
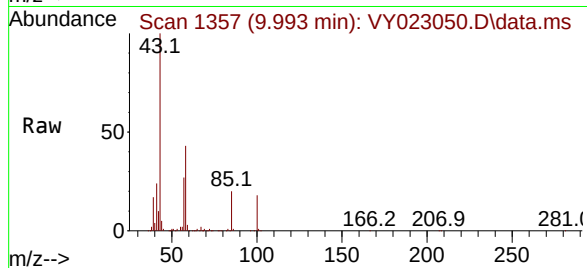
58 41.9 33.5 50.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025

Supervised By :Semsettin Yesilyurt 08/14/2025



#52

Toluene

Concen: 4.692 ug/l

RT: 10.164 min Scan# 1385

Delta R.T. 0.000 min

Lab File: VY023050.D

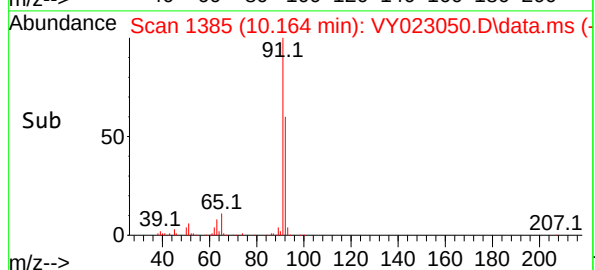
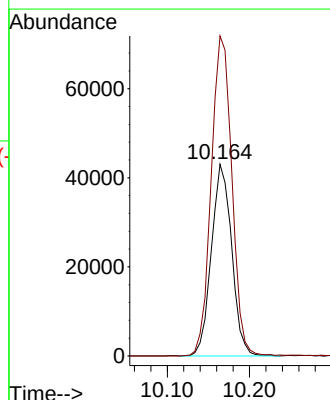
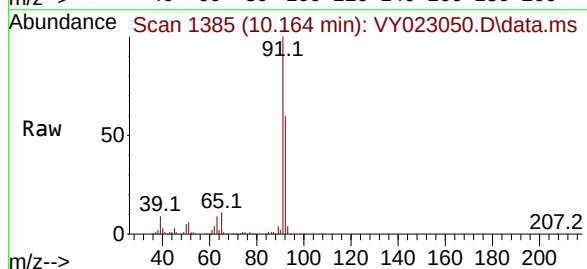
Acq: 12 Aug 2025 14:54

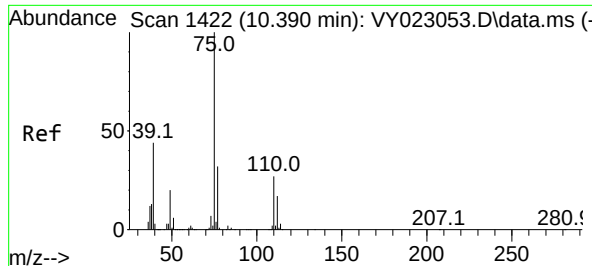
Tgt Ion: 92 Resp: 73910

Ion Ratio Lower Upper

92 100

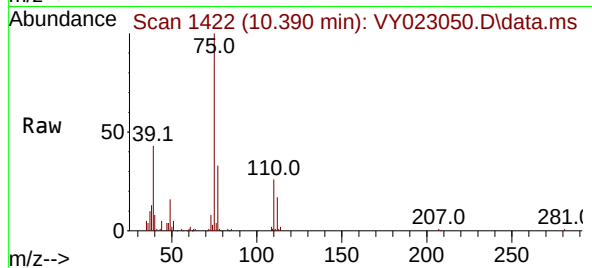
91 170.1 136.4 204.6





#53
t-1,3-Dichloropropene
Concen: 4.475 ug/l
RT: 10.390 min Scan# 1422
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

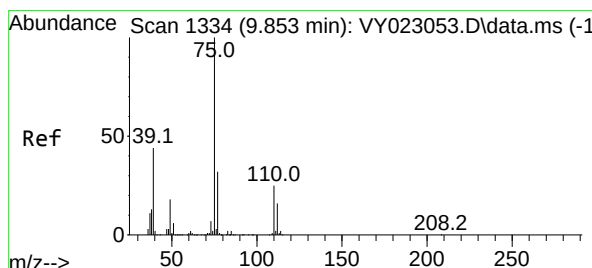
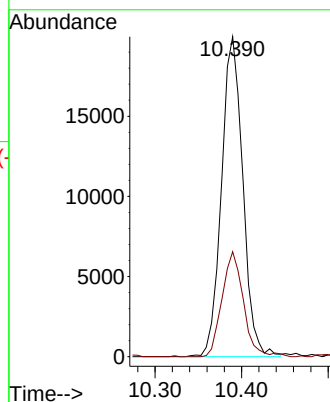
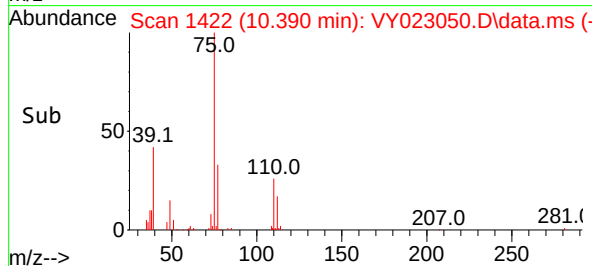
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005



Tgt Ion: 75 Resp: 34154
Ion Ratio Lower Upper
75 100
77 32.8 25.7 38.5

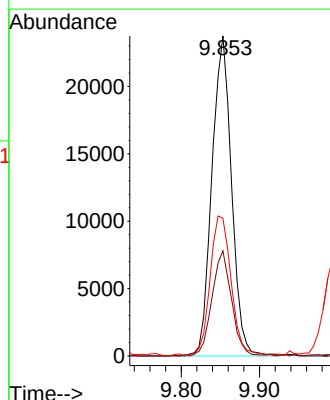
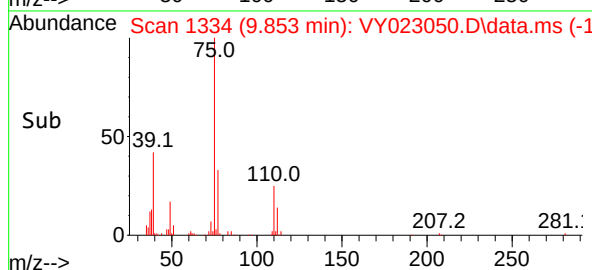
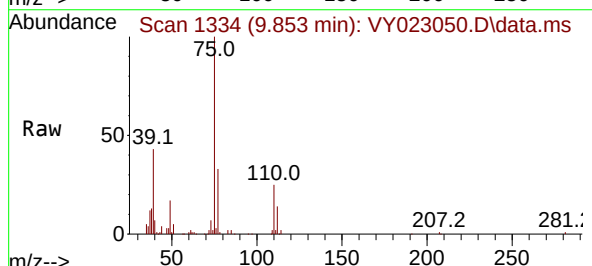
Manual Integrations
APPROVED

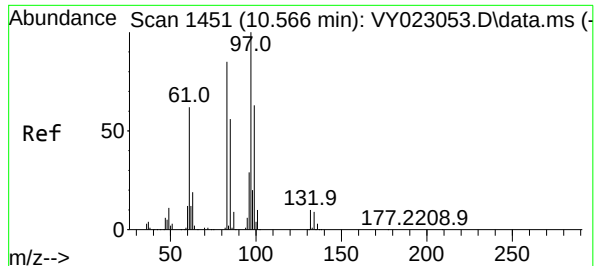
Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025



#54
cis-1,3-Dichloropropene
Concen: 4.579 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

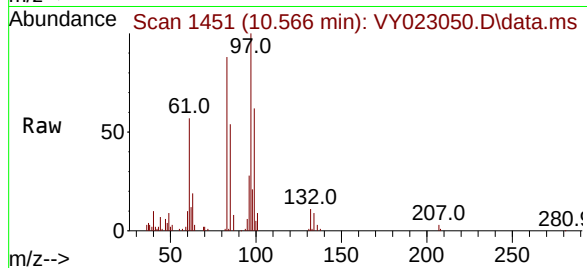
Tgt Ion: 75 Resp: 41326
Ion Ratio Lower Upper
75 100
77 32.9 25.4 38.0
39 42.5 35.6 53.4





#55
1,1,2-Trichloroethane
Concen: 4.745 ug/l
RT: 10.566 min Scan# 1451
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

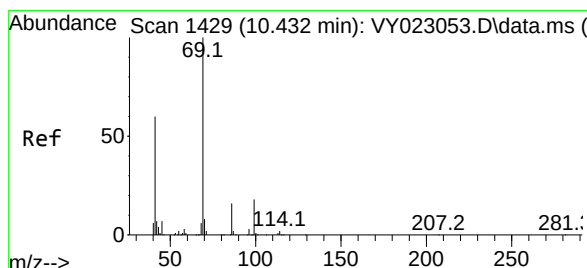
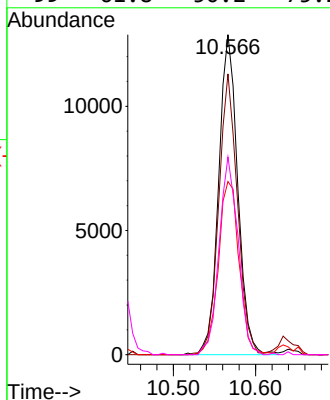
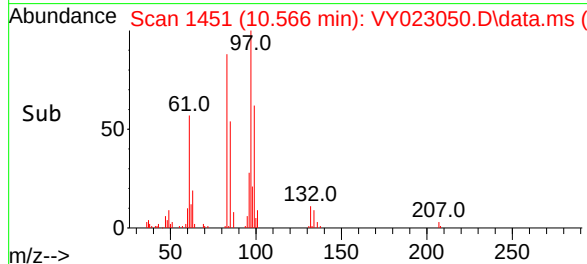
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005



Tgt Ion: 97 Resp: 2079
Ion Ratio Lower Upper
97 100
83 87.8 67.7 101.5
85 54.1 44.5 66.7
99 61.8 50.2 75.2

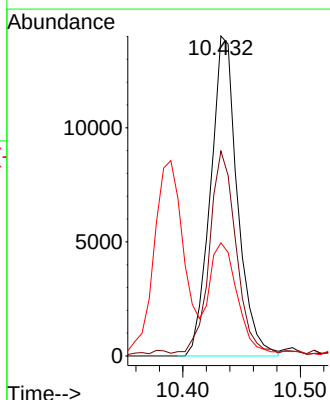
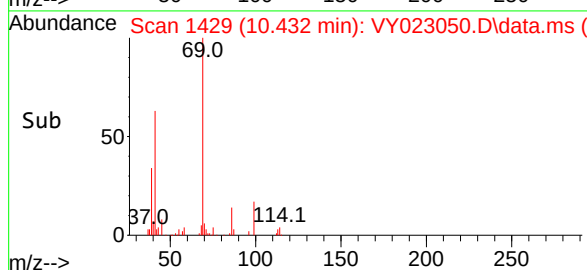
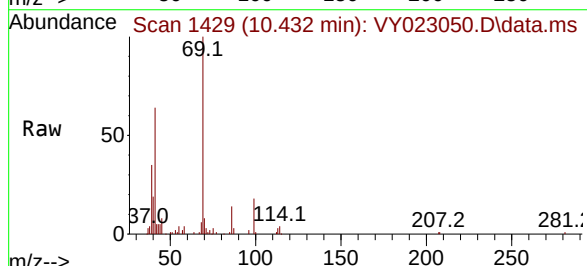
Manual Integrations
APPROVED

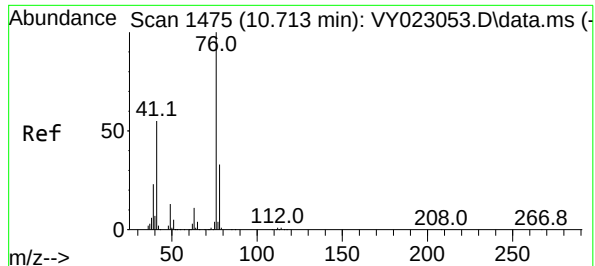
Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025



#56
Ethyl methacrylate
Concen: 3.990 ug/l
RT: 10.432 min Scan# 1429
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion: 69 Resp: 22376
Ion Ratio Lower Upper
69 100
41 61.6 48.6 72.8
39 34.3 27.0 40.4





#57

1,3-Dichloropropane

Concen: 4.687 ug/l

RT: 10.713 min Scan# 1475

Delta R.T. 0.000 min

Lab File: VY023050.D

Acq: 12 Aug 2025 14:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tgt Ion: 76 Resp: 3483

Ion Ratio Lower Upper

76 100

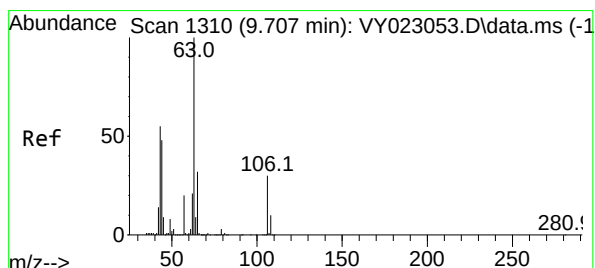
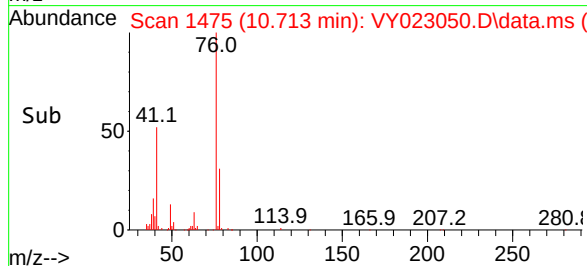
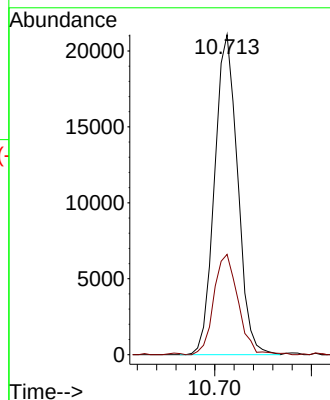
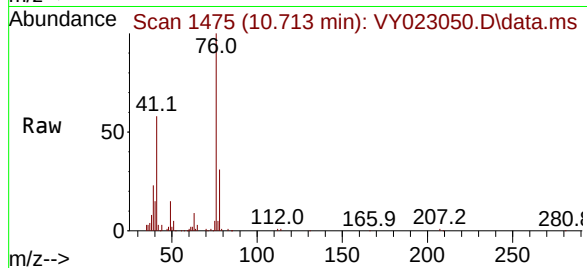
78 33.1 26.0 39.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025

Supervised By :Semsettin Yesilyurt 08/14/2025



#58

2-Chloroethyl Vinyl ether

Concen: 19.500 ug/l

RT: 9.707 min Scan# 1310

Delta R.T. 0.000 min

Lab File: VY023050.D

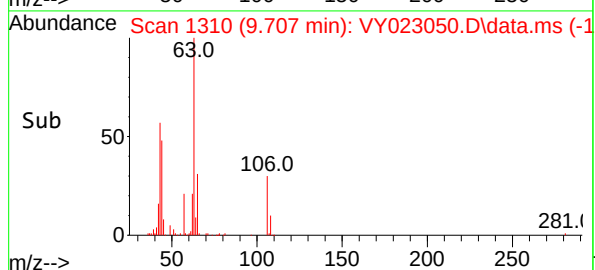
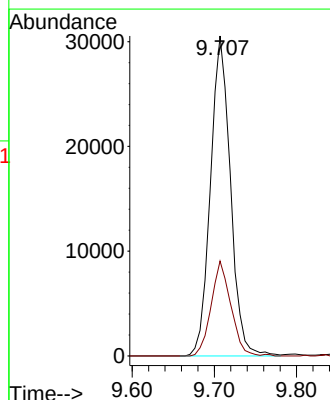
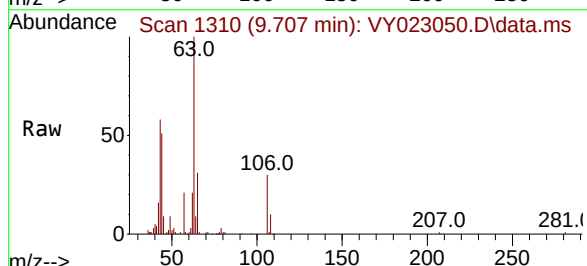
Acq: 12 Aug 2025 14:54

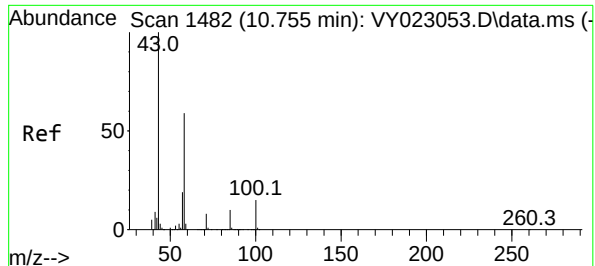
Tgt Ion: 63 Resp: 51585

Ion Ratio Lower Upper

63 100

106 29.2 23.2 34.8





#59

2-Hexanone

Concen: 21.088 ug/l

RT: 10.755 min Scan# 1482

Delta R.T. 0.000 min

Lab File: VY023050.D

Acq: 12 Aug 2025 14:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tgt Ion: 43 Resp: 50604

Ion Ratio Lower Upper

43 100

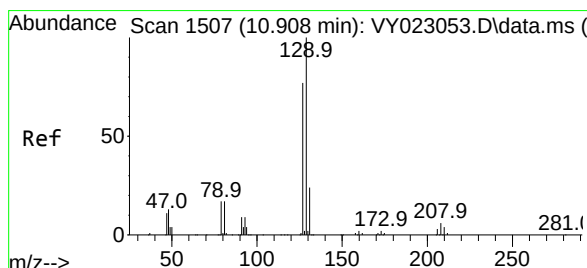
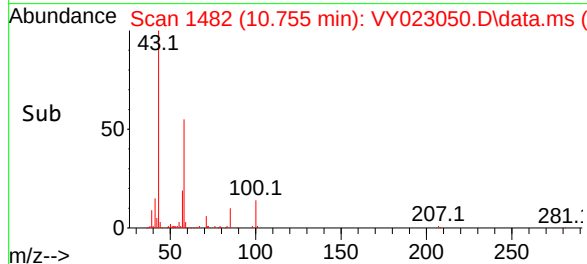
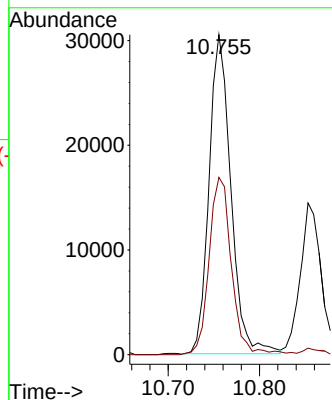
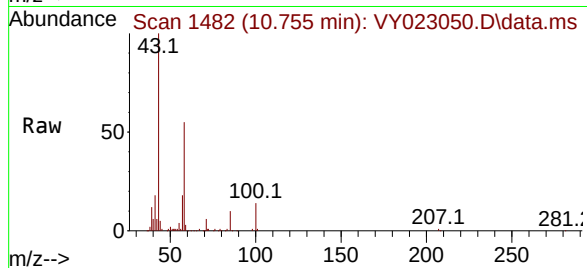
58 56.9 29.5 88.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025

Supervised By :Semsettin Yesilyurt 08/14/2025



#60

Dibromochloromethane

Concen: 4.693 ug/l

RT: 10.908 min Scan# 1507

Delta R.T. 0.000 min

Lab File: VY023050.D

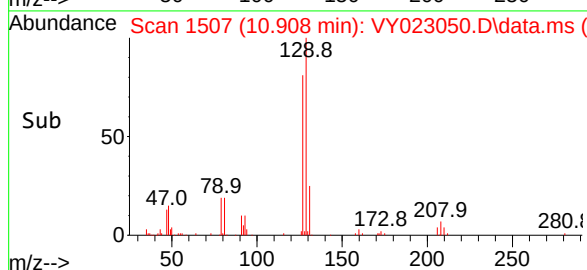
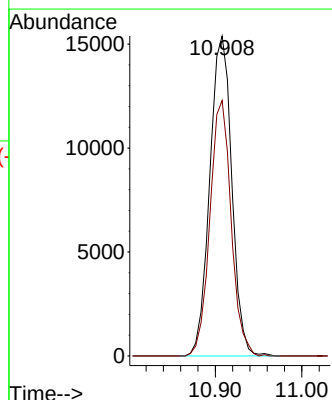
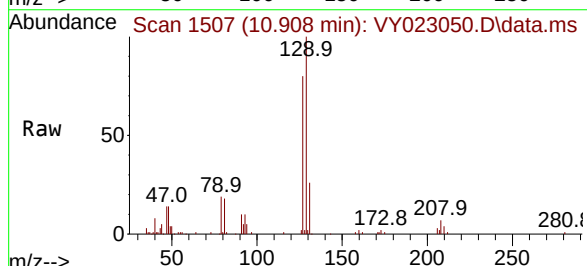
Acq: 12 Aug 2025 14:54

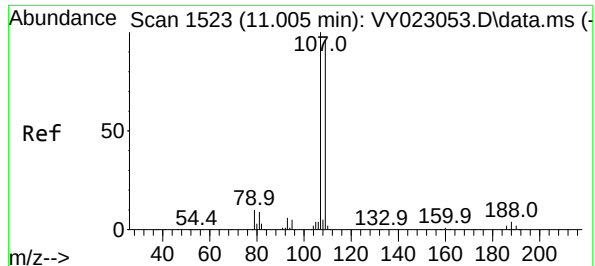
Tgt Ion:129 Resp: 27141

Ion Ratio Lower Upper

129 100

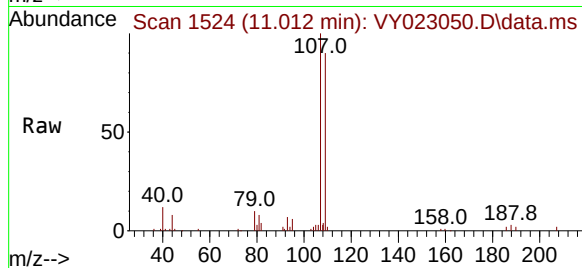
127 77.0 38.5 115.5





#61
1,2-Dibromoethane
Concen: 4.528 ug/l
RT: 11.012 min Scan# 1107
Delta R.T. 0.006 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

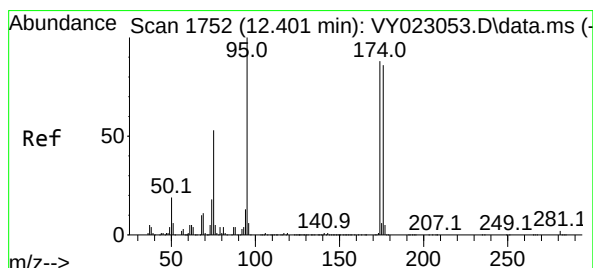
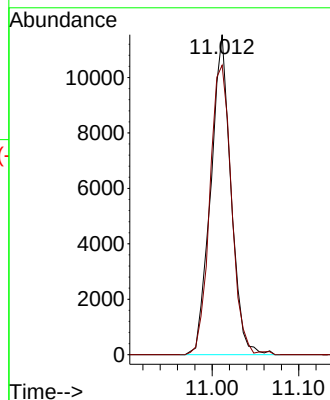
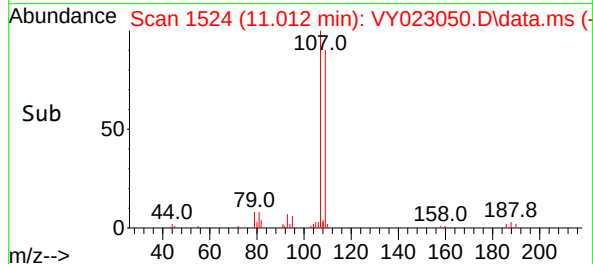
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005



Tgt Ion: 107 Resp: 1865
Ion Ratio Lower Upper
107 100
109 97.4 75.6 113.4

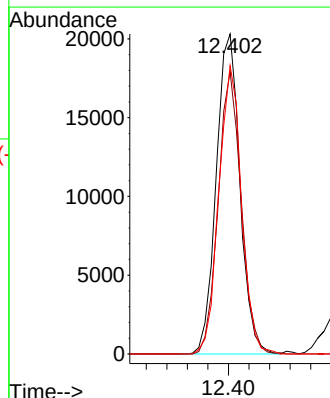
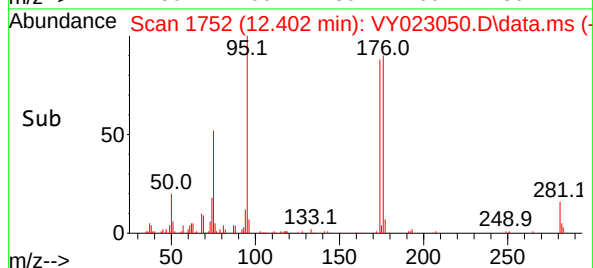
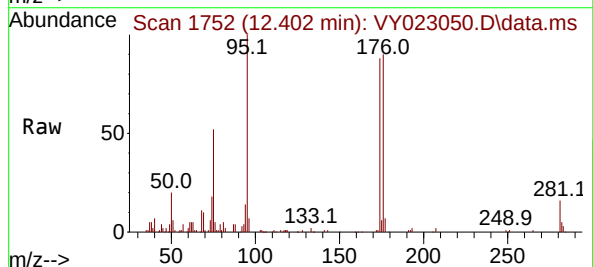
Manual Integrations
APPROVED

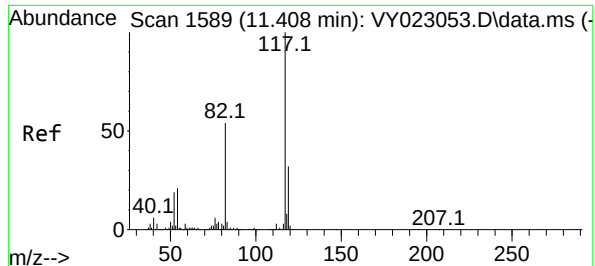
Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025



#62
4-Bromofluorobenzene
Concen: 4.766 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

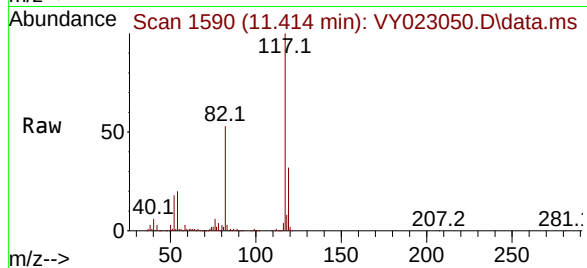
Tgt Ion: 95 Resp: 32420
Ion Ratio Lower Upper
95 100
174 85.5 0.0 171.6
176 86.1 0.0 167.6





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1589
Delta R.T. 0.006 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

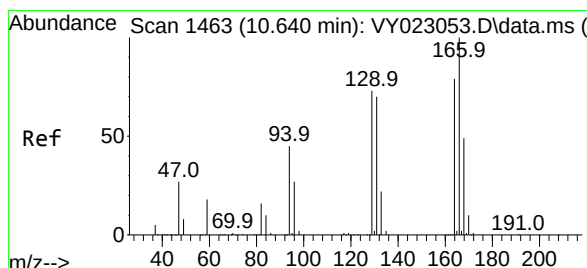
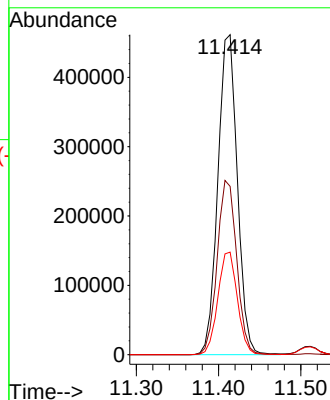
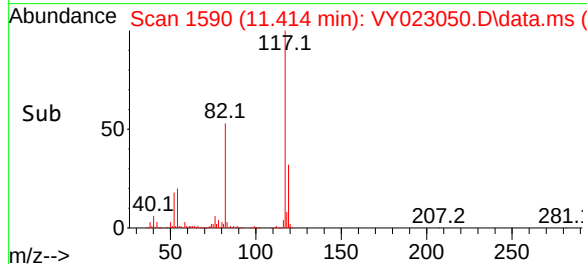
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005



Tgt Ion:117 Resp: 759914
Ion Ratio Lower Upper
117 100
82 52.6 43.4 65.0
119 32.1 25.6 38.4

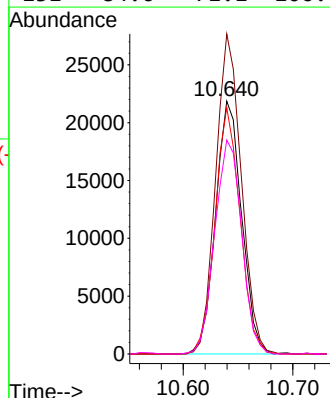
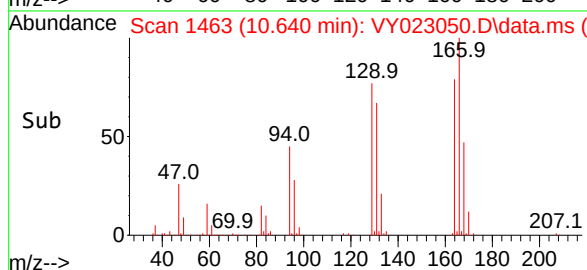
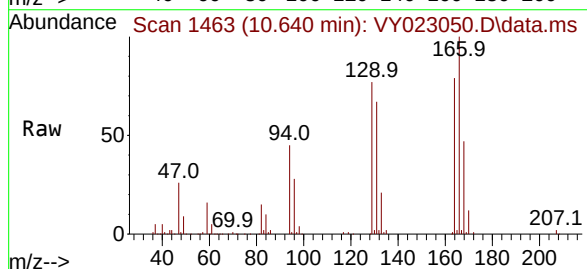
Manual Integrations
APPROVED

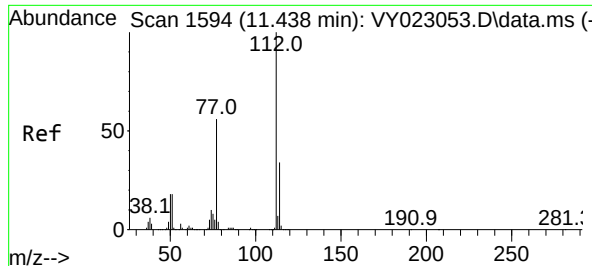
Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025



#64
Tetrachloroethene
Concen: 5.336 ug/l
RT: 10.640 min Scan# 1463
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion:164 Resp: 36210
Ion Ratio Lower Upper
164 100
166 126.6 101.1 151.7
129 97.4 74.0 111.0
131 84.6 71.1 106.7





#65

Chlorobenzene

Concen: 4.922 ug/l

RT: 11.438 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY023050.D

Acq: 12 Aug 2025 14:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tgt Ion:112 Resp: 80684

Ion Ratio Lower Upper

112 100

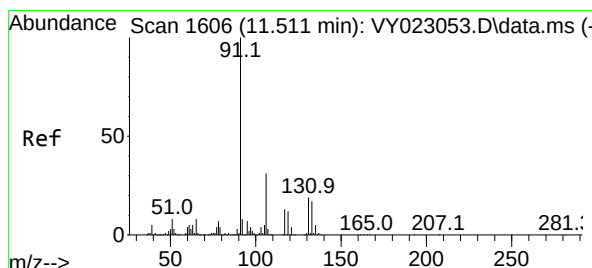
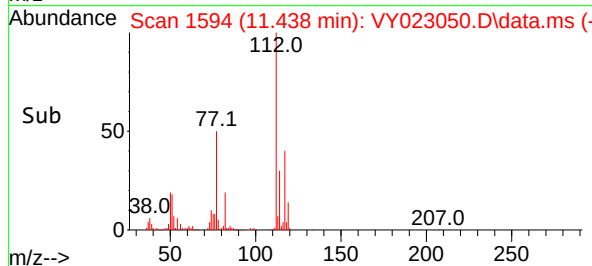
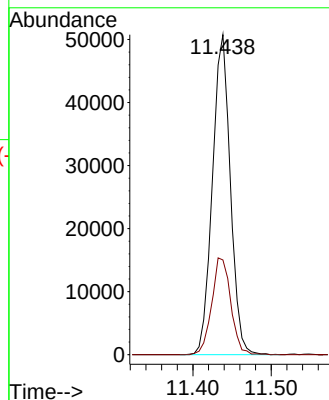
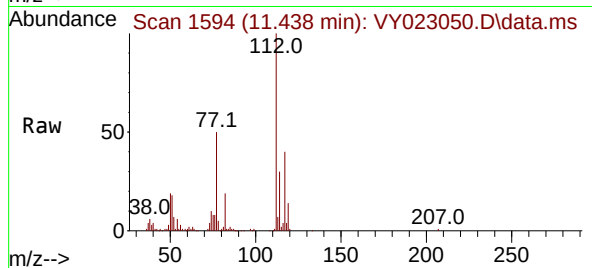
114 29.6 27.0 40.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025

Supervised By :Semsettin Yesilyurt 08/14/2025



#66

1,1,1,2-Tetrachloroethane

Concen: 4.745 ug/l

RT: 11.511 min Scan# 1606

Delta R.T. 0.000 min

Lab File: VY023050.D

Acq: 12 Aug 2025 14:54

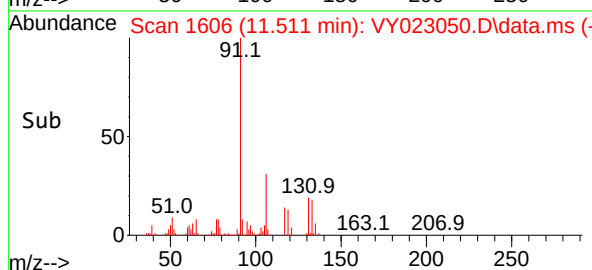
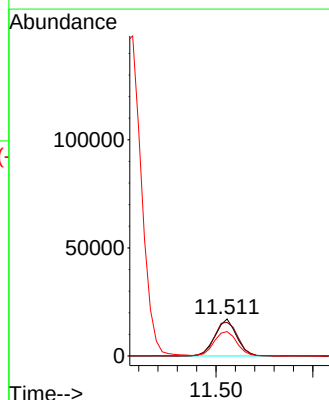
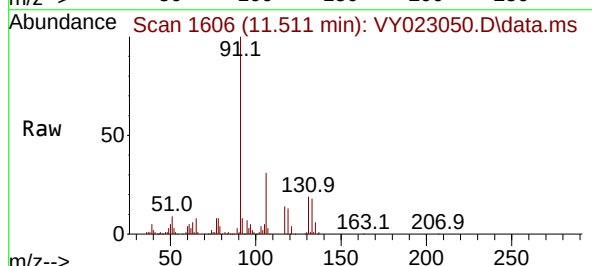
Tgt Ion:131 Resp: 26397

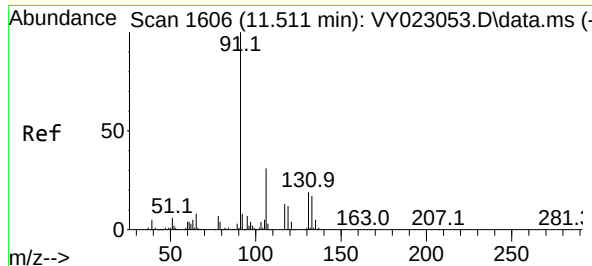
Ion Ratio Lower Upper

131 100

133 100.6 46.9 140.6

119 70.6 33.2 99.6





#67

Ethyl Benzene

Concen: 4.781 ug/l

RT: 11.511 min Scan# 1606

Delta R.T. 0.000 min

Lab File: VY023050.D

Acq: 12 Aug 2025 14:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tgt Ion: 91 Resp: 134854

Ion Ratio Lower Upper

91 100

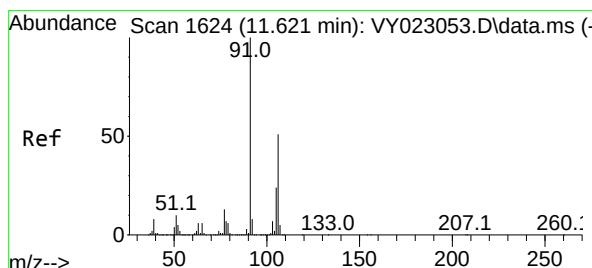
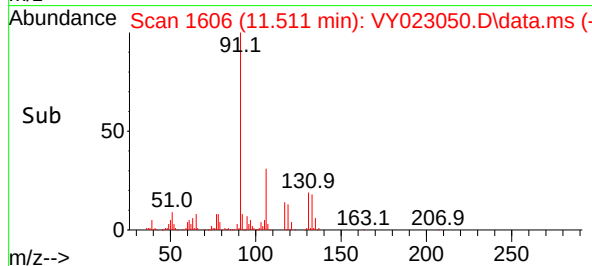
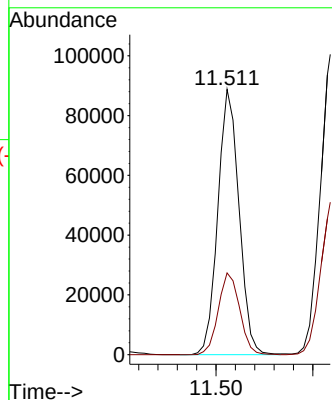
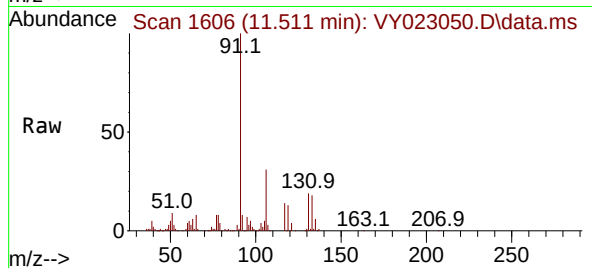
106 30.8 25.0 37.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025

Supervised By :Semsettin Yesilyurt 08/14/2025



#68

m/p-Xylenes

Concen: 9.329 ug/l

RT: 11.621 min Scan# 1624

Delta R.T. 0.000 min

Lab File: VY023050.D

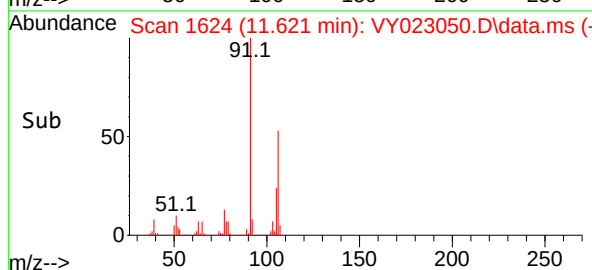
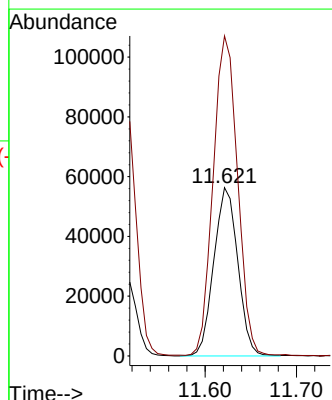
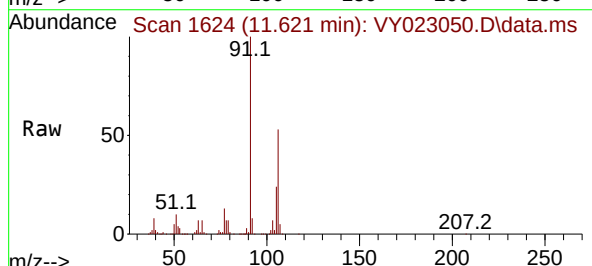
Acq: 12 Aug 2025 14:54

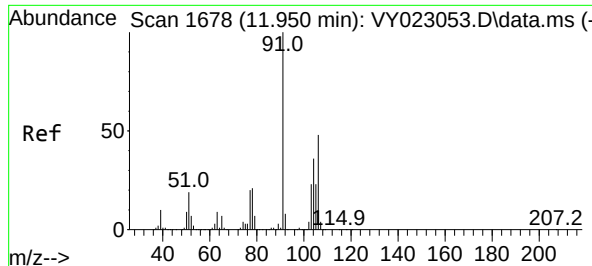
Tgt Ion:106 Resp: 102783

Ion Ratio Lower Upper

106 100

91 194.0 158.6 238.0





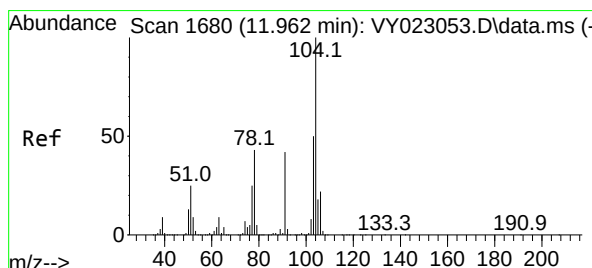
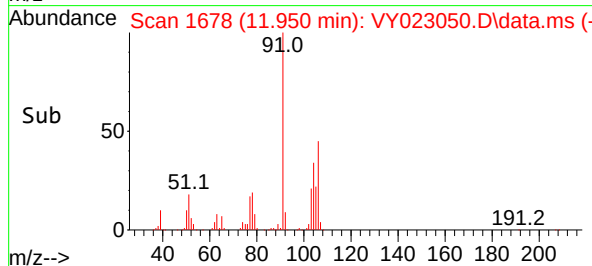
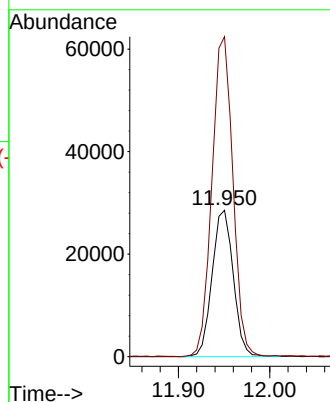
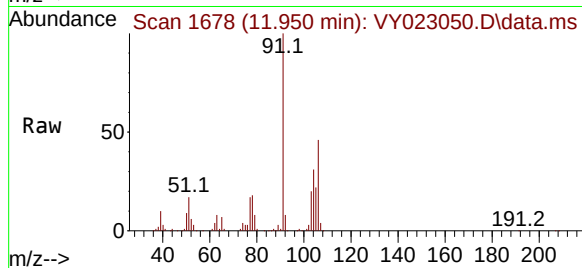
#69
o-Xylene
Concen: 4.453 ug/l
RT: 11.950 min Scan# 1678
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tgt Ion:106 Resp: 45944
Ion Ratio Lower Upper
106 100
91 216.3 103.2 309.4

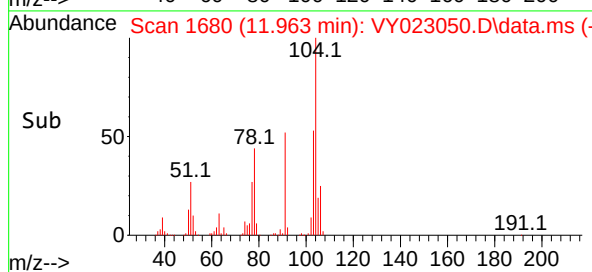
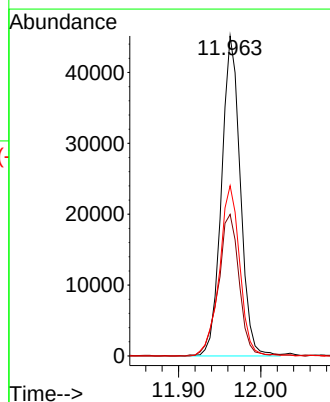
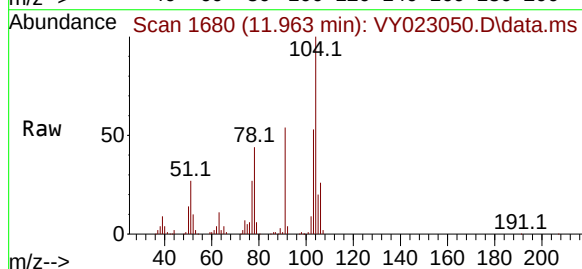
Manual Integrations
APPROVED

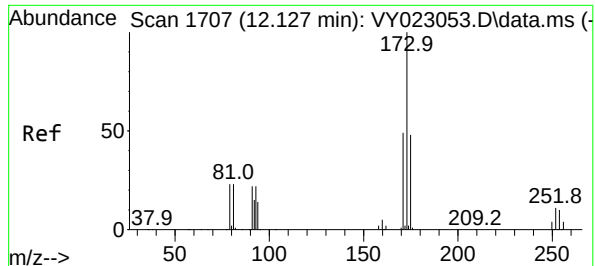
Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025



#70
Styrene
Concen: 4.255 ug/l
RT: 11.963 min Scan# 1680
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

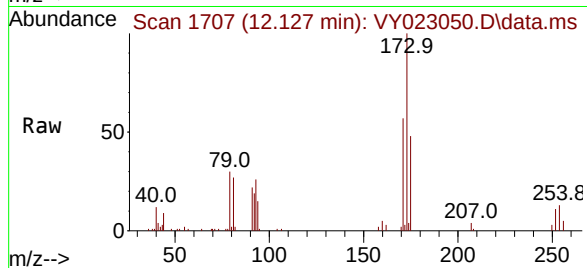
Tgt Ion:104 Resp: 71801
Ion Ratio Lower Upper
104 100
78 48.8 38.5 57.7
103 57.6 43.7 65.5





#71
Bromoform
Concen: 4.599 ug/l
RT: 12.127 min Scan# 1707
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

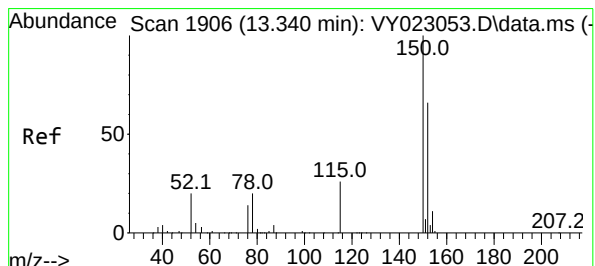
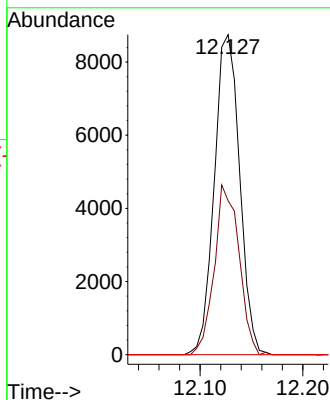
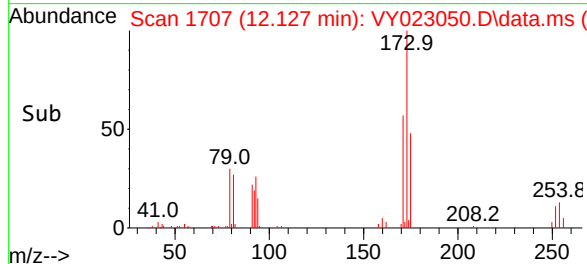
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005



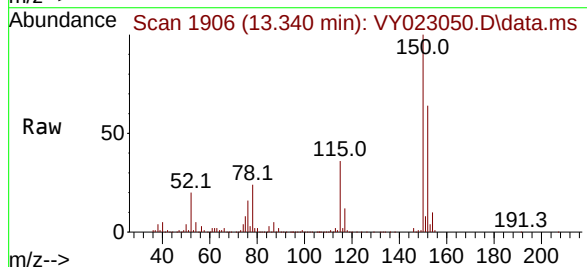
Tgt Ion:173 Resp: 14954
Ion Ratio Lower Upper
173 100
175 51.7 23.9 71.7
254 0.0 0.1 0.1

Manual Integrations
APPROVED

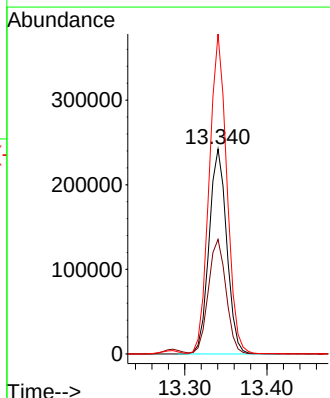
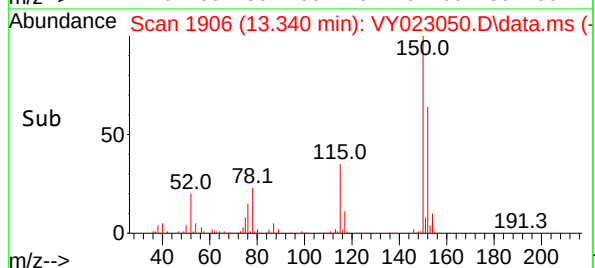
Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025

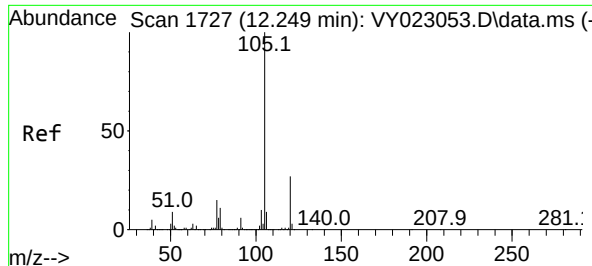


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.340 min Scan# 1906
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54



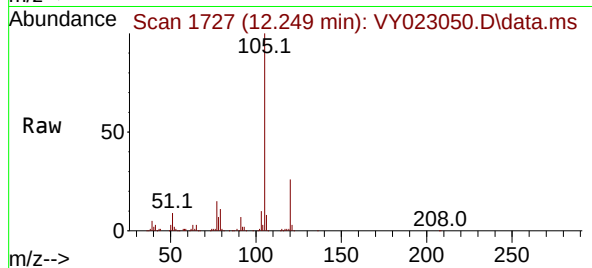
Tgt Ion:152 Resp: 360397
Ion Ratio Lower Upper
152 100
115 56.4 28.2 84.6
150 155.7 0.0 348.0





#73
Isopropylbenzene
Concen: 4.845 ug/l
RT: 12.249 min Scan# 1727
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

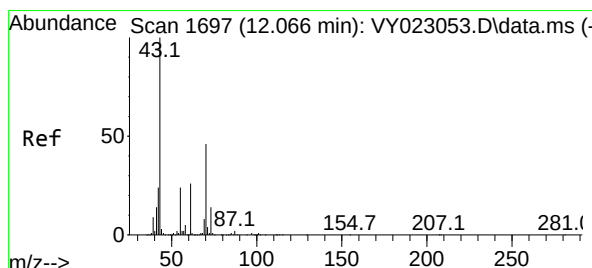
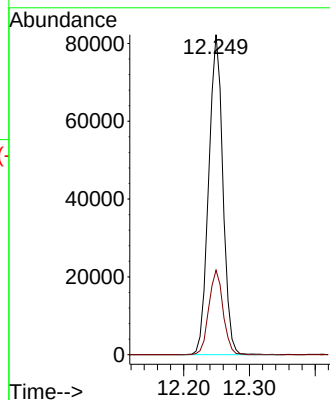
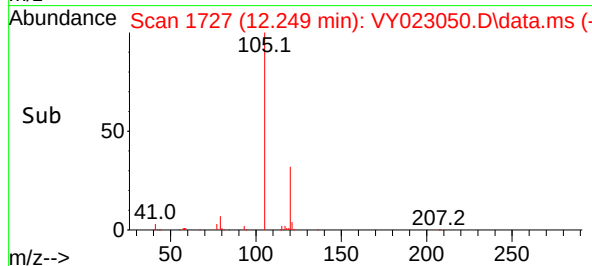
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005



Tgt Ion: 105 Resp: 123240
Ion Ratio Lower Upper
105 100
120 26.5 13.4 40.2

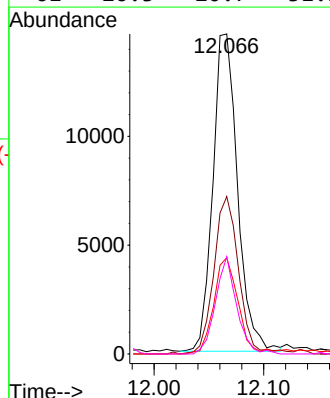
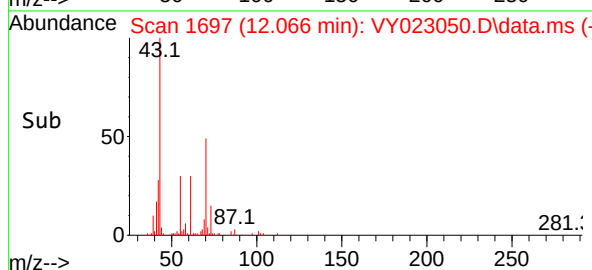
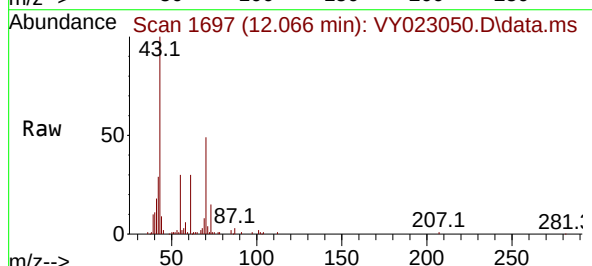
Manual Integrations
APPROVED

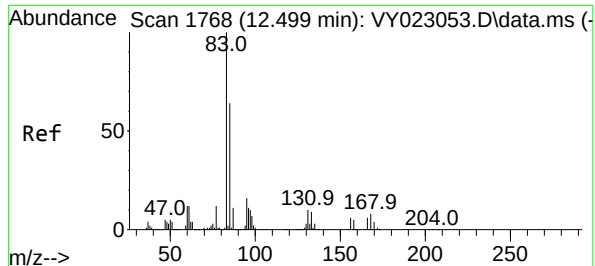
Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025



#74
N-ethyl acetate
Concen: 4.232 ug/l
RT: 12.066 min Scan# 1697
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion: 43 Resp: 22829
Ion Ratio Lower Upper
43 100
70 50.0 37.5 56.3
55 29.9 20.7 31.1
61 26.3 20.7 31.1





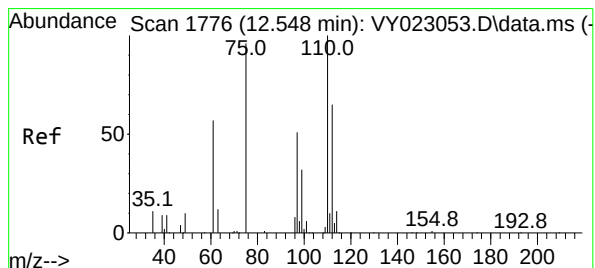
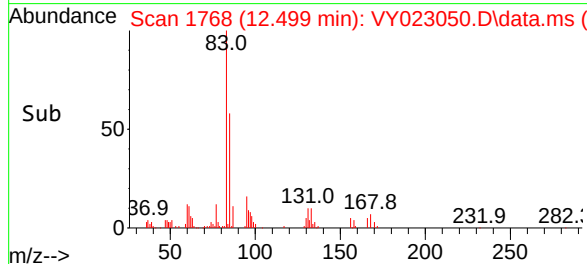
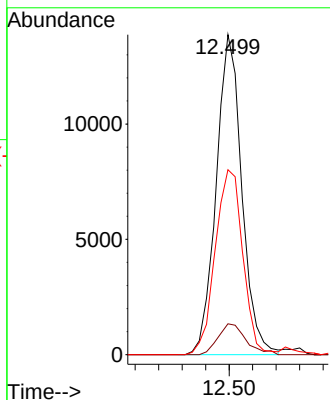
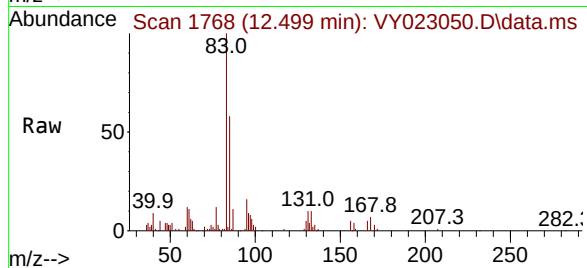
#75
1,1,2,2-Tetrachloroethane
Concen: 4.848 ug/l
RT: 12.499 min Scan# 1768
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:	83	Resp:	2105
Ion Ratio	Lower	Upper	
83	100		
131	10.5	5.1	15.3
85	62.2	31.8	95.3

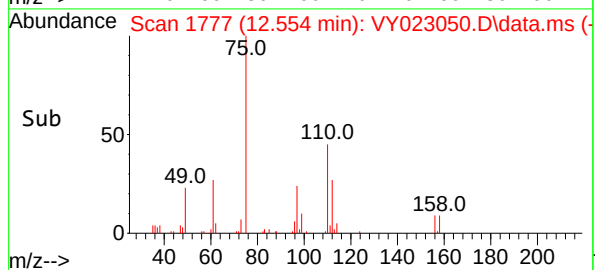
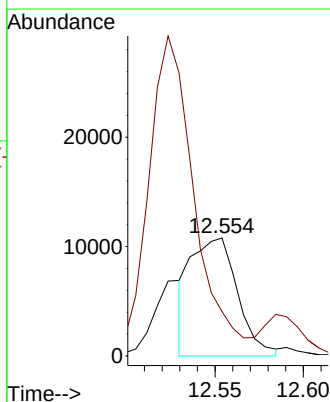
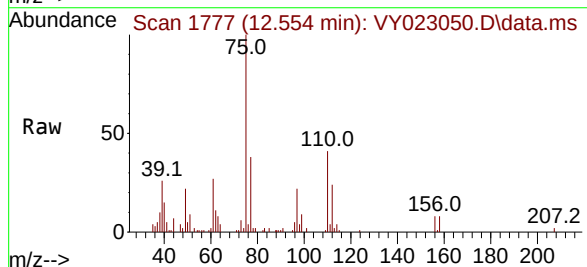
Manual Integrations
APPROVED

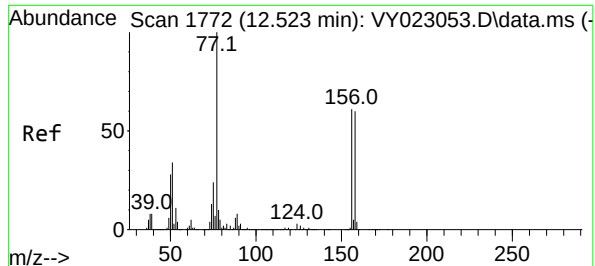
Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025



#76
1,2,3-Trichloropropane
Concen: 5.710 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. 0.006 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion:	75	Resp:	19875
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 4.891 ug/l

RT: 12.530 min Scan# 1773

Delta R.T. 0.006 min

Lab File: VY023050.D

Acq: 12 Aug 2025 14:54

Instrument :

MSVOA_Y

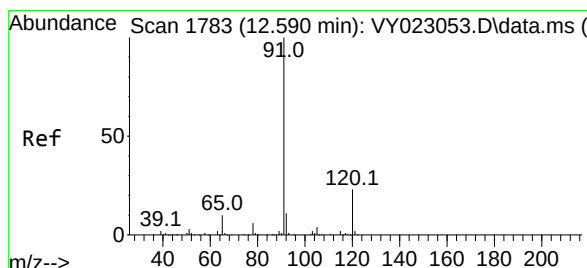
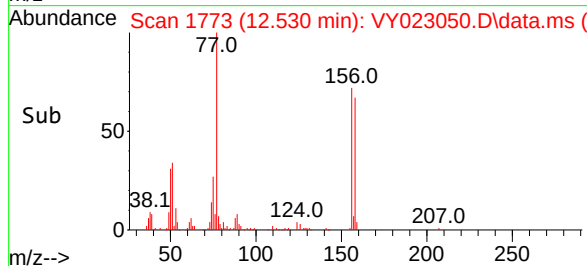
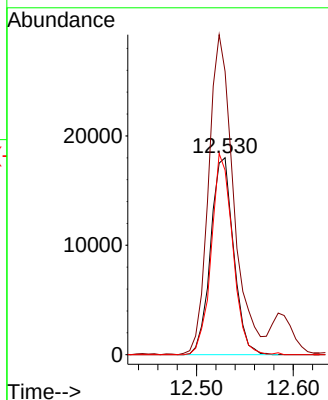
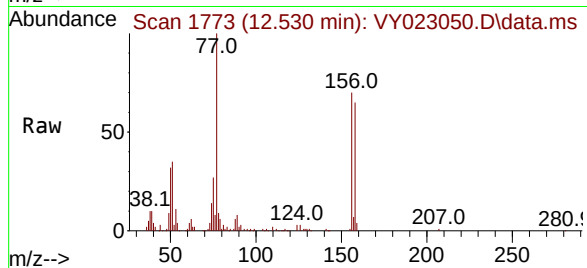
ClientSampleId :

VSTDIC005

Tgt Ion:	156	Resp:	2968
Ion Ratio	Lower	Upper	
156	100		
77	176.7	88.1	264.4
158	95.4	48.0	144.0

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025



#78

n-propylbenzene

Concen: 4.822 ug/l

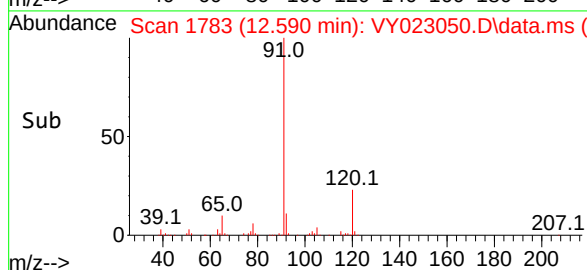
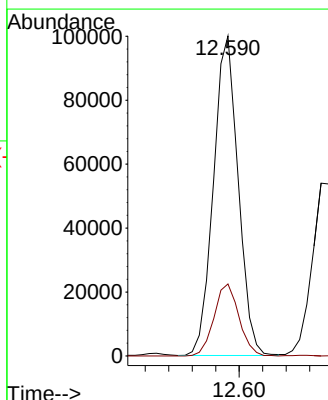
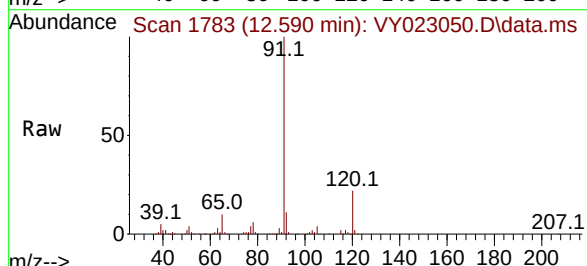
RT: 12.590 min Scan# 1783

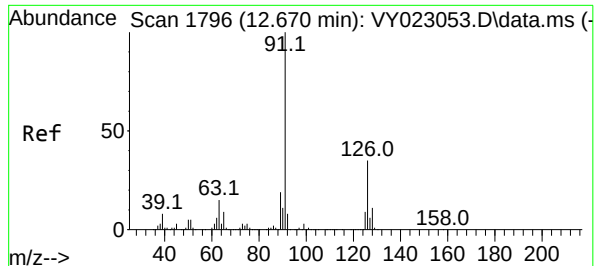
Delta R.T. 0.000 min

Lab File: VY023050.D

Acq: 12 Aug 2025 14:54

Tgt Ion:	91	Resp:	146043
Ion Ratio	Lower	Upper	
91	100		
120	22.7	11.5	34.5





#79

2-Chlorotoluene

Concen: 4.880 ug/l

RT: 12.670 min Scan# 1796

Delta R.T. 0.000 min

Lab File: VY023050.D

Acq: 12 Aug 2025 14:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tgt Ion: 91 Resp: 8467

Ion Ratio Lower Upper

91 100

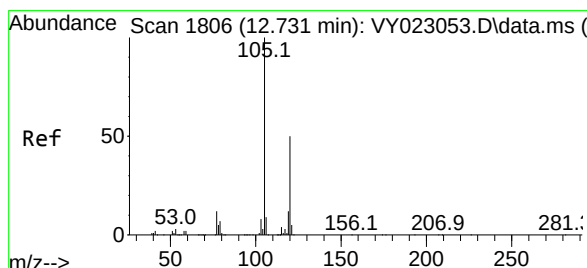
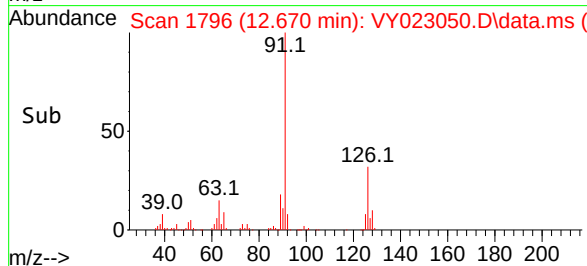
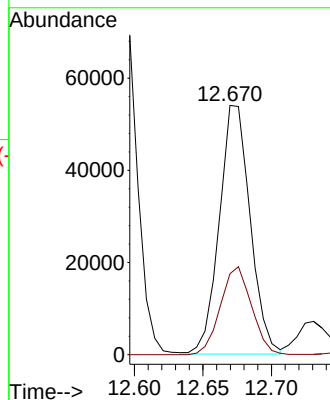
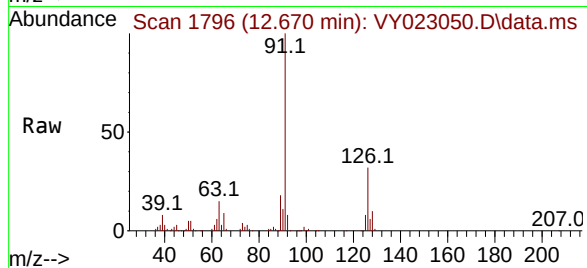
126 35.5 17.4 52.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025

Supervised By :Semsettin Yesilyurt 08/14/2025



#80

1,3,5-Trimethylbenzene

Concen: 4.685 ug/l

RT: 12.731 min Scan# 1806

Delta R.T. 0.000 min

Lab File: VY023050.D

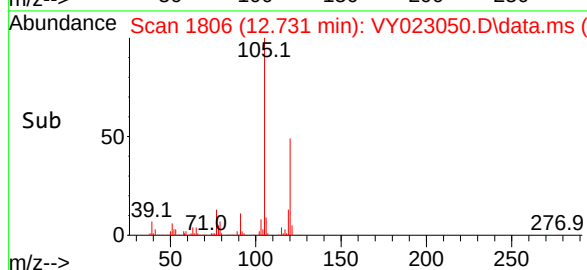
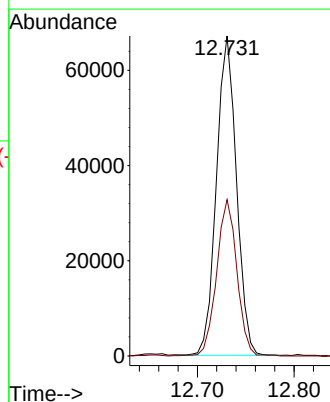
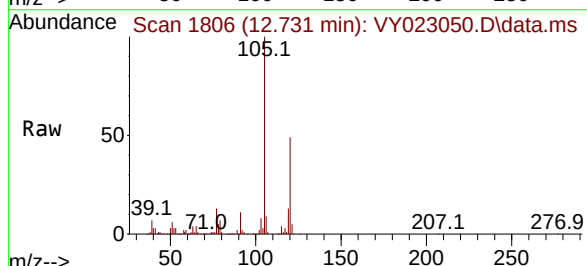
Acq: 12 Aug 2025 14:54

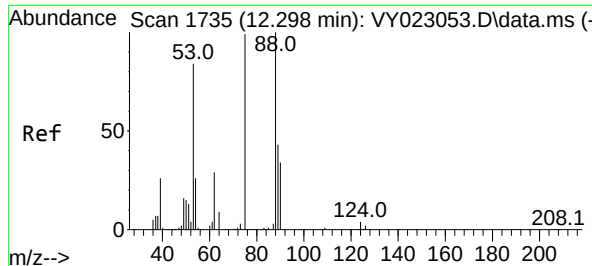
Tgt Ion:105 Resp: 96308

Ion Ratio Lower Upper

105 100

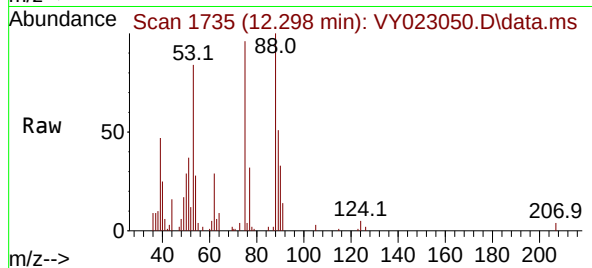
120 49.6 24.8 74.4





#81
trans-1,4-Dichloro-2-butene
Concen: 4.533 ug/l
RT: 12.298 min Scan# 1735
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

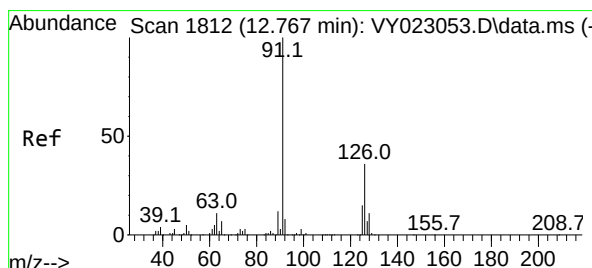
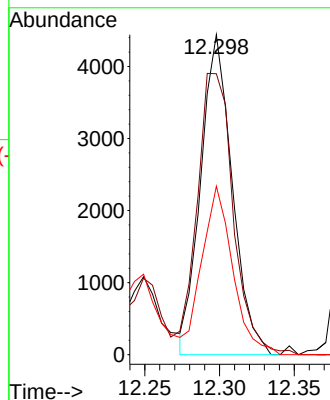
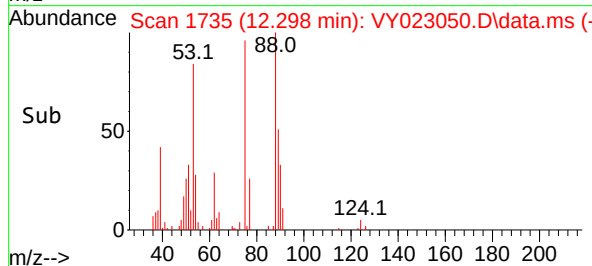
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005



Tgt Ion: 75 Resp: 6514
Ion Ratio Lower Upper
75 100
53 101.3 70.8 106.2
89 51.7 38.1 57.1

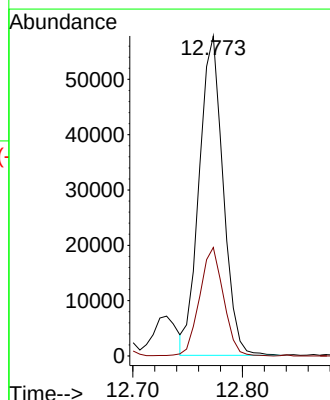
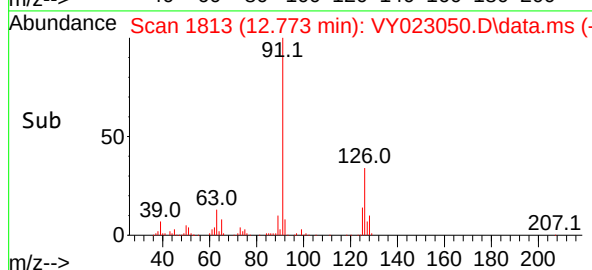
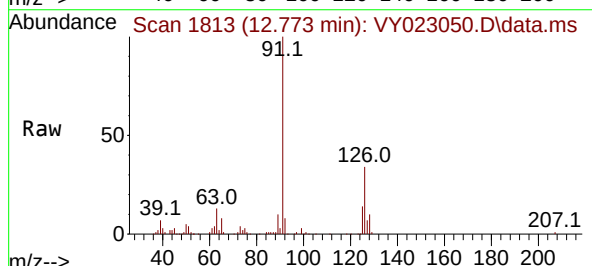
Manual Integrations
APPROVED

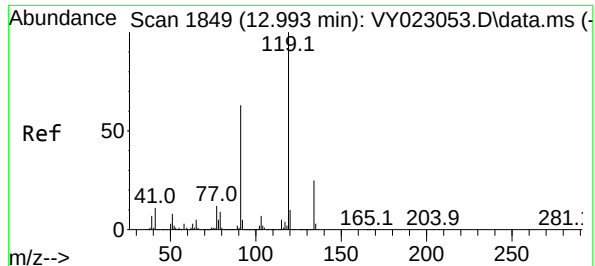
Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025



#82
4-Chlorotoluene
Concen: 4.859 ug/l
RT: 12.773 min Scan# 1813
Delta R.T. 0.006 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion: 91 Resp: 87454
Ion Ratio Lower Upper
91 100
126 34.0 17.3 52.0





#83

tert-Butylbenzene

Concen: 4.712 ug/l

RT: 12.993 min Scan# 1849

Delta R.T. 0.000 min

Lab File: VY023050.D

Acq: 12 Aug 2025 14:54

Instrument :

MSVOA_Y

ClientSampleId :

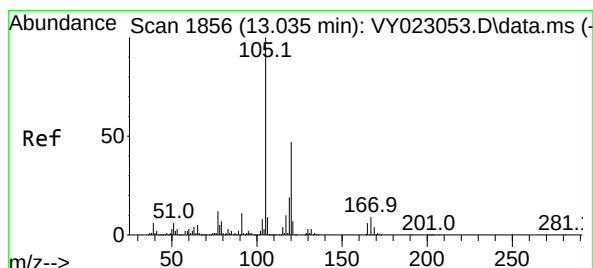
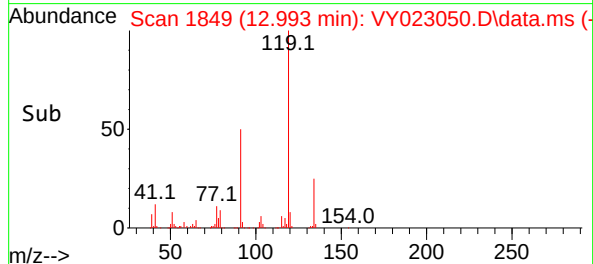
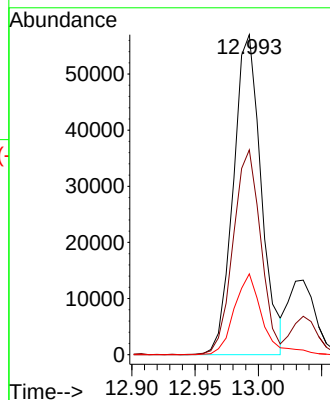
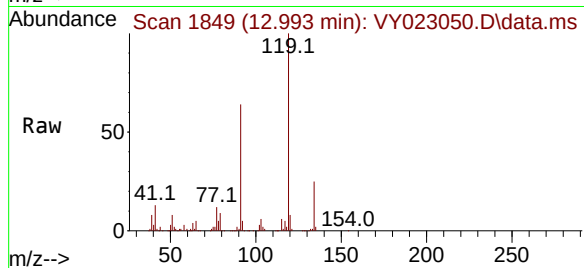
VSTDIC005

Tgt Ion:119	Resp:	87490
Ion Ratio	Lower	Upper
119	100	
91	63.6	31.6 94.8
134	25.5	12.9 38.7

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025



#84

1,2,4-Trimethylbenzene

Concen: 4.571 ug/l

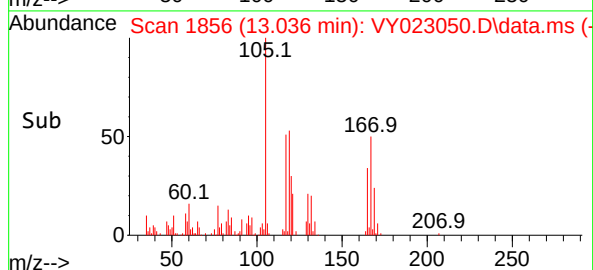
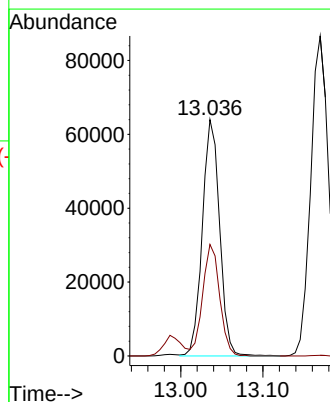
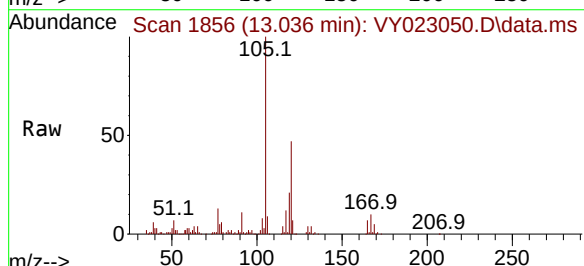
RT: 13.036 min Scan# 1856

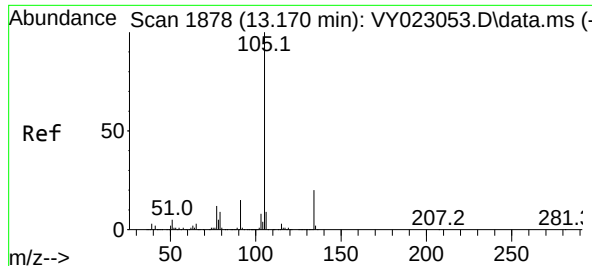
Delta R.T. 0.000 min

Lab File: VY023050.D

Acq: 12 Aug 2025 14:54

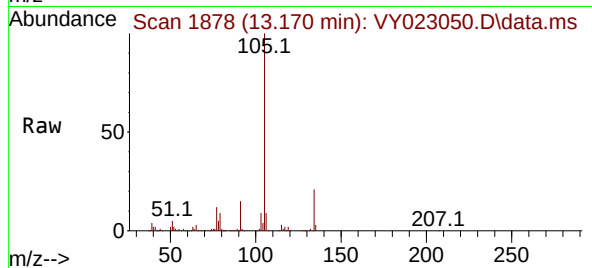
Tgt Ion:105	Resp:	93551
Ion Ratio	Lower	Upper
105	100	
120	46.3	23.0 69.0





#85
sec-Butylbenzene
Concen: 4.806 ug/l
RT: 13.170 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

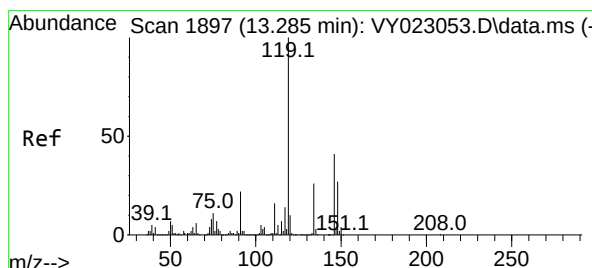
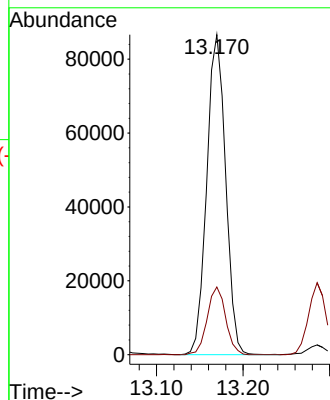
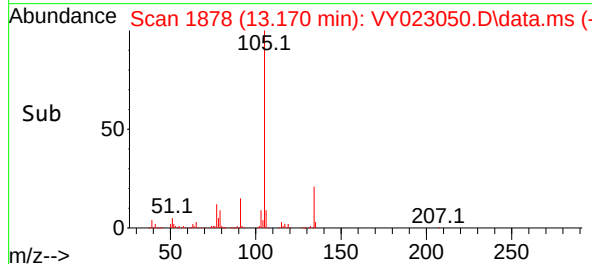
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005



Tgt Ion:105 Resp: 131079
Ion Ratio Lower Upper
105 100
134 20.7 10.2 30.4

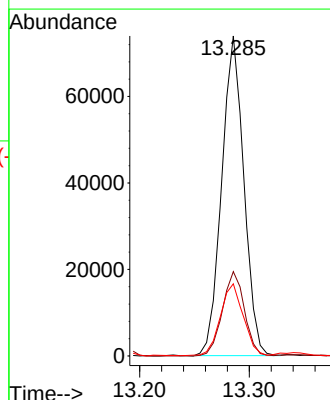
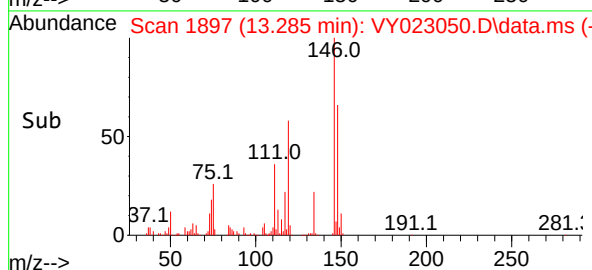
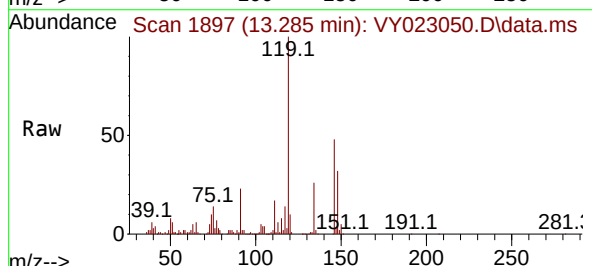
Manual Integrations
APPROVED

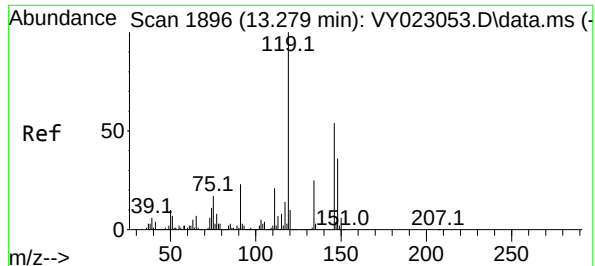
Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025



#86
p-Isopropyltoluene
Concen: 4.582 ug/l
RT: 13.285 min Scan# 1897
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion:119 Resp: 103731
Ion Ratio Lower Upper
119 100
134 26.2 13.2 39.6
91 23.5 11.3 33.8





#87

1,3-Dichlorobenzene

Concen: 4.819 ug/l

RT: 13.279 min Scan# 1896

Delta R.T. 0.000 min

Lab File: VY023050.D

Acq: 12 Aug 2025 14:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tgt Ion:146 Resp: 5766

Ion Ratio Lower Upper

146 100

111 38.8 19.6 58.7

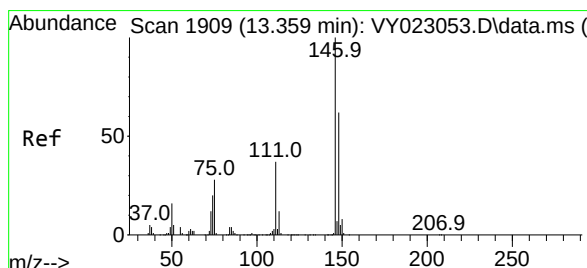
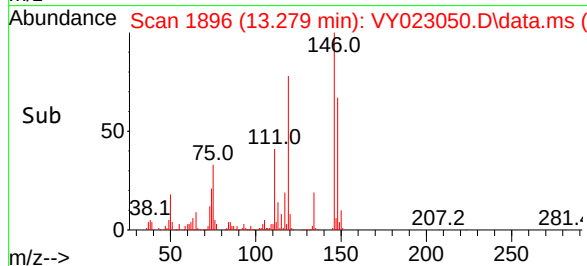
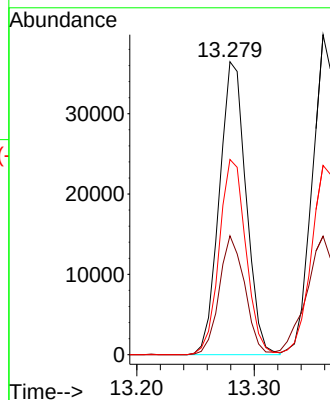
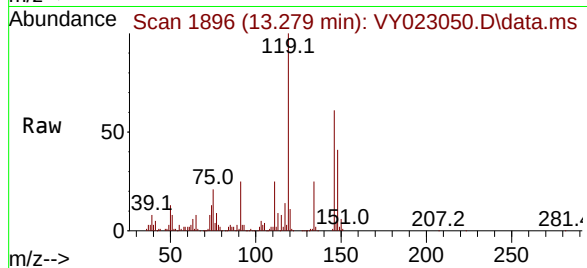
148 66.5 32.5 97.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025

Supervised By :Semsettin Yesilyurt 08/14/2025



#88

1,4-Dichlorobenzene

Concen: 5.120 ug/l

RT: 13.359 min Scan# 1909

Delta R.T. 0.000 min

Lab File: VY023050.D

Acq: 12 Aug 2025 14:54

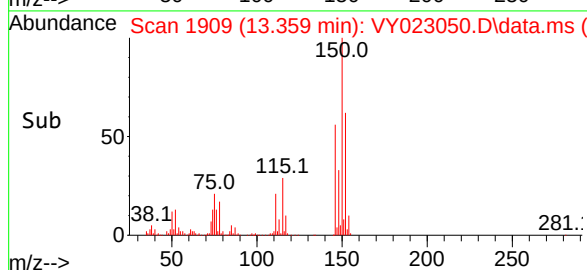
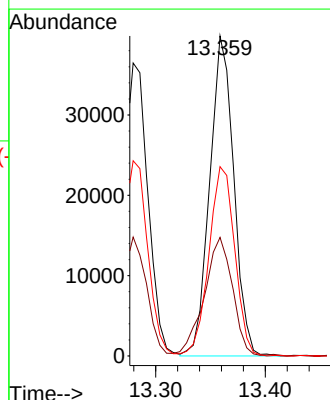
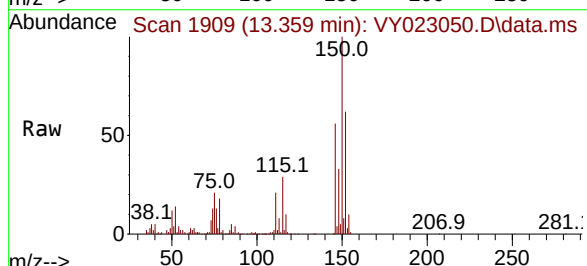
Tgt Ion:146 Resp: 60781

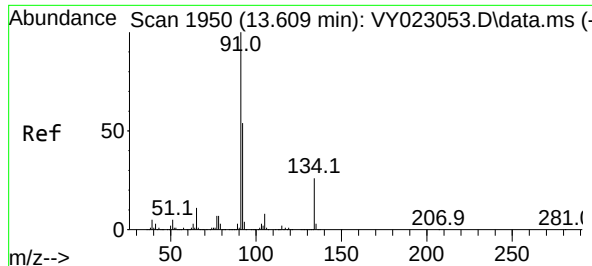
Ion Ratio Lower Upper

146 100

111 42.8 19.1 57.1

148 63.6 31.6 94.7





#89

n-Butylbenzene

Concen: 4.549 ug/l

RT: 13.609 min Scan# 1950

Delta R.T. 0.000 min

Lab File: VY023050.D

Acq: 12 Aug 2025 14:54

Instrument :

MSVOA_Y

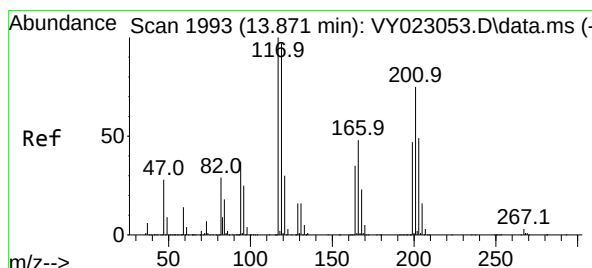
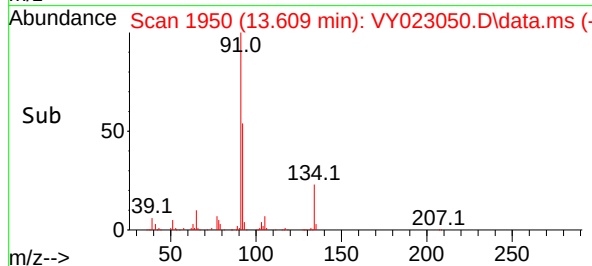
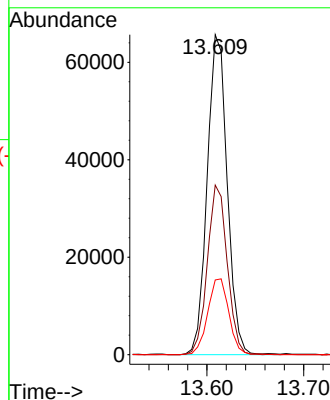
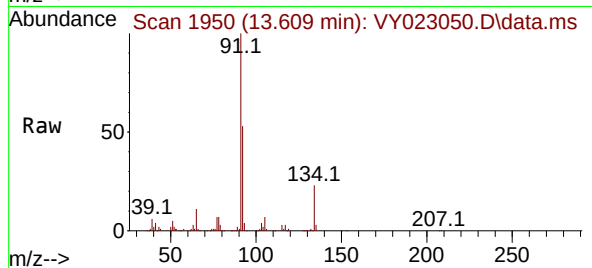
ClientSampleId :

VSTDIC005

Tgt Ion:	91	Resp:	94594
Ion	Ratio	Lower	Upper
91	100		
92	52.6	26.9	80.7
134	25.1	13.2	39.5

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025



#90

Hexachloroethane

Concen: 4.958 ug/l

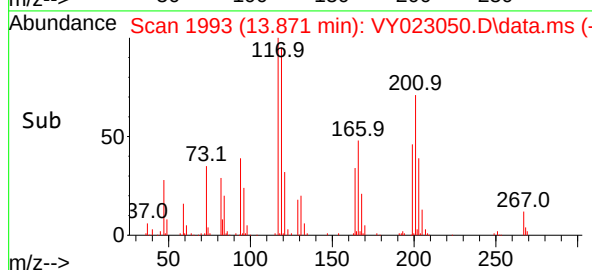
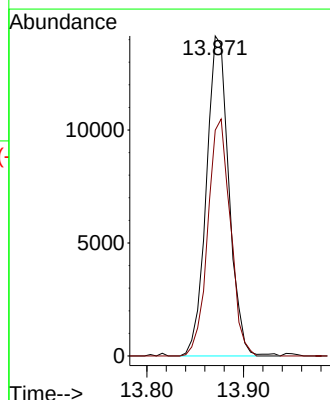
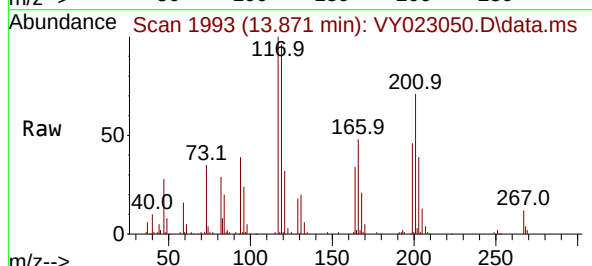
RT: 13.871 min Scan# 1993

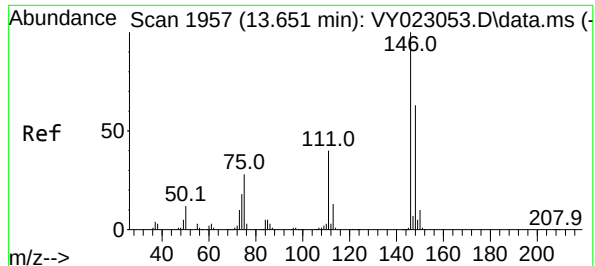
Delta R.T. 0.000 min

Lab File: VY023050.D

Acq: 12 Aug 2025 14:54

Tgt Ion:	117	Resp:	22980
Ion	Ratio	Lower	Upper
117	100		
201	74.0	38.4	115.1





#91

1,2-Dichlorobenzene

Concen: 4.843 ug/l

RT: 13.651 min Scan# 1957

Delta R.T. 0.000 min

Lab File: VY023050.D

Acq: 12 Aug 2025 14:54

Instrument :

MSVOA_Y

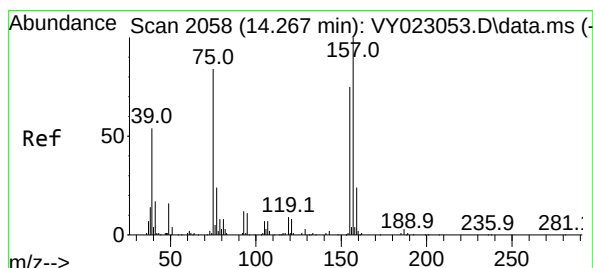
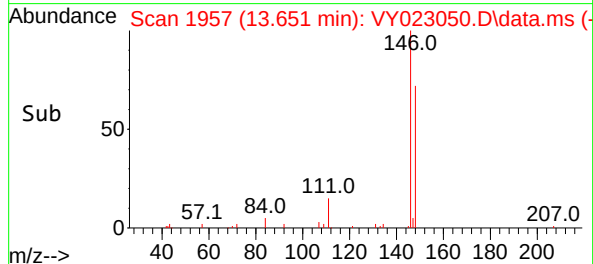
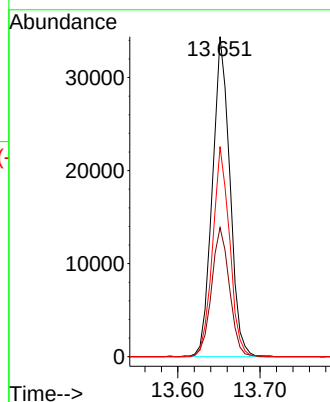
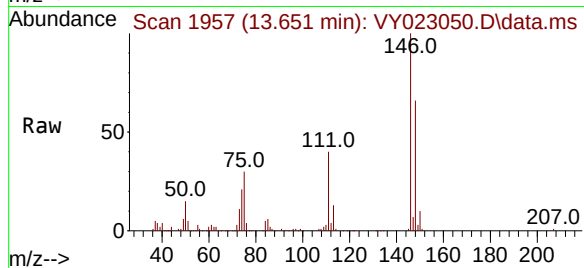
ClientSampleId :

VSTDIC005

Tgt Ion:	146	Resp:	50829
Ion Ratio	Lower	Upper	
146	100		
111	41.3	20.3	60.8
148	63.6	32.2	96.6

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025



#92

1,2-Dibromo-3-Chloropropane

Concen: 4.982 ug/l

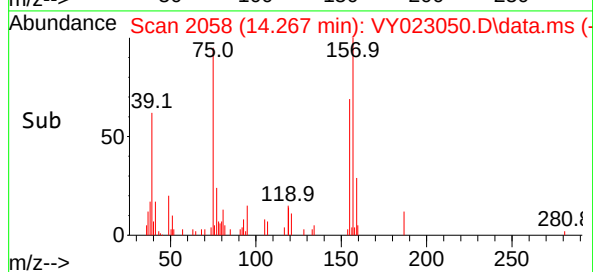
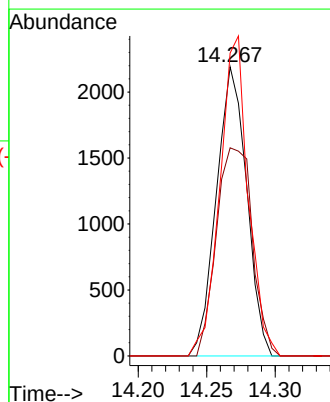
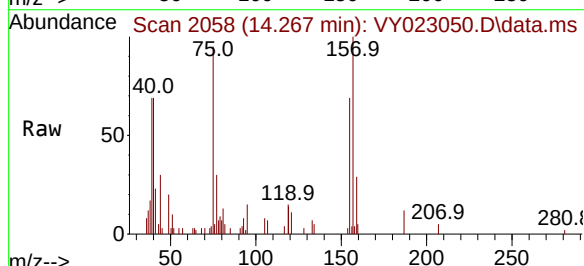
RT: 14.267 min Scan# 2058

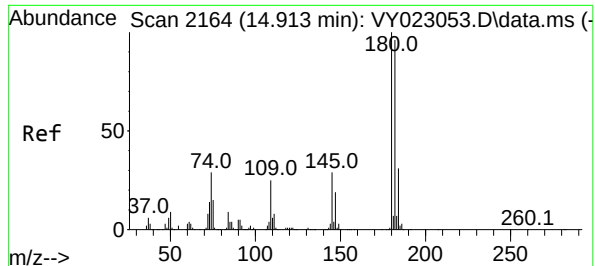
Delta R.T. 0.000 min

Lab File: VY023050.D

Acq: 12 Aug 2025 14:54

Tgt Ion:	75	Resp:	3369
Ion Ratio	Lower	Upper	
75	100		
155	85.3	43.9	131.6
157	103.8	57.2	171.6





#93

1,2,4-Trichlorobenzene

Concen: 4.576 ug/l

RT: 14.913 min Scan# 2164

Delta R.T. 0.000 min

Lab File: VY023050.D

Acq: 12 Aug 2025 14:54

Instrument :

MSVOA_Y

ClientSampleId :

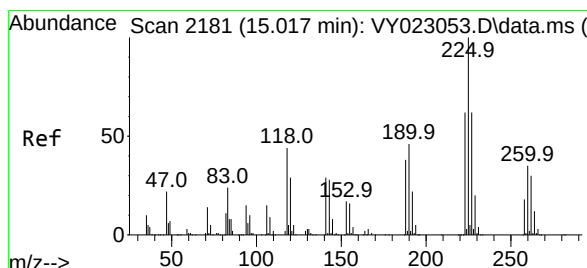
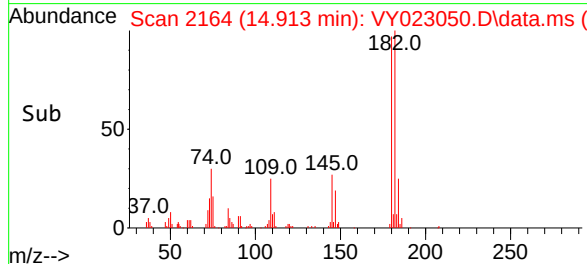
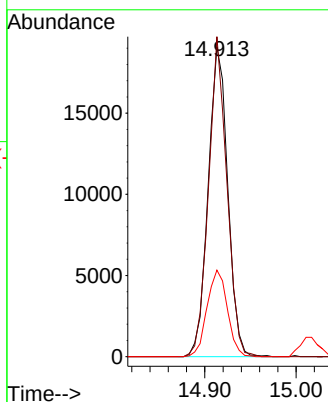
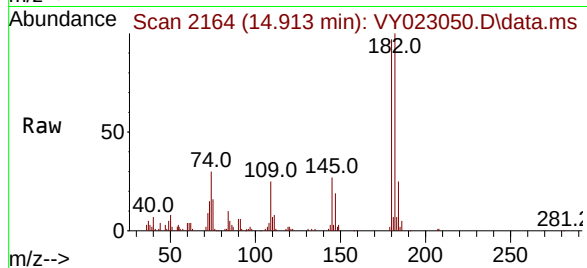
VSTDIC005

Tgt Ion:180	Resp:	2839
Ion Ratio	Lower	Upper
180	100	
182	96.6	46.8 140.4
145	28.9	14.4 43.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025



#94

Hexachlorobutadiene

Concen: 5.263 ug/l

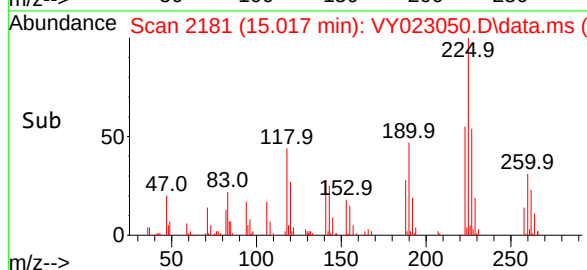
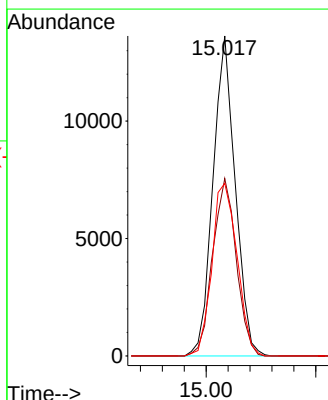
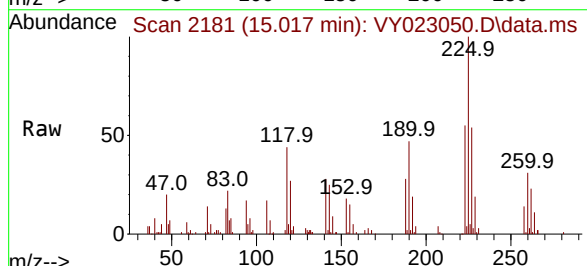
RT: 15.017 min Scan# 2181

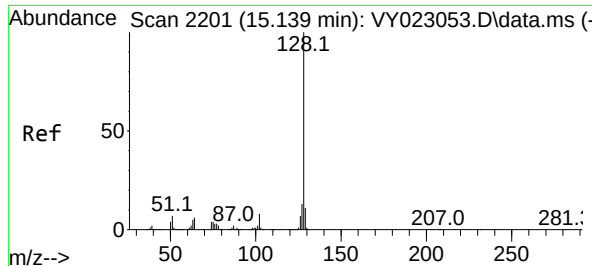
Delta R.T. 0.000 min

Lab File: VY023050.D

Acq: 12 Aug 2025 14:54

Tgt Ion:225	Resp:	19196
Ion Ratio	Lower	Upper
225	100	
223	58.9	31.3 93.8
227	61.0	31.5 94.5





#95

Naphthalene

Concen: 4.100 ug/l

RT: 15.133 min Scan# 2201

Delta R.T. -0.006 min

Lab File: VY023050.D

Acq: 12 Aug 2025 14:54

Instrument :

MSVOA_Y

ClientSampleId :

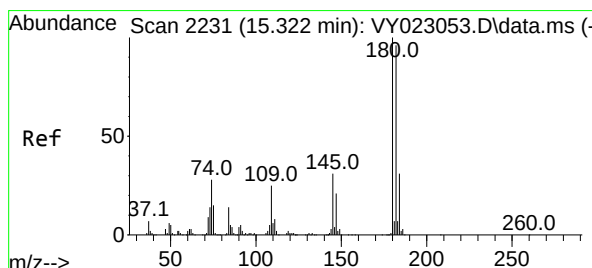
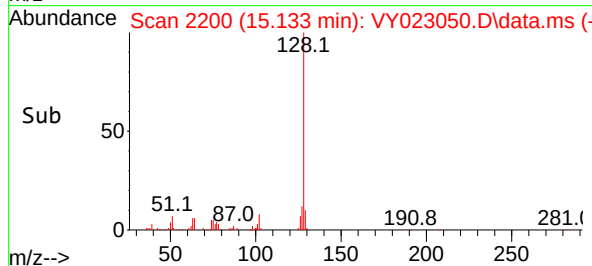
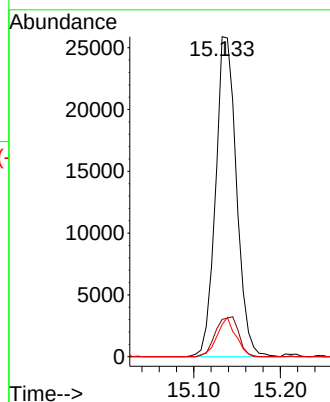
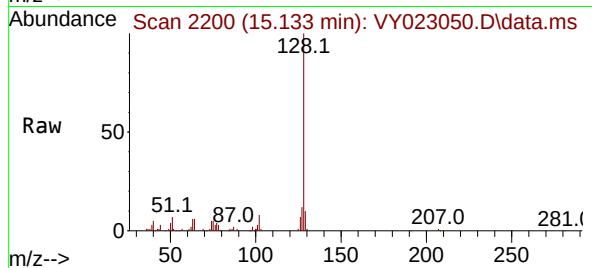
VSTDIC005

Tgt Ion:128	Resp:	4339
Ion Ratio	Lower	Upper
128	100	
127	13.8	10.4 15.6
129	10.9	9.0 13.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025



#96

1,2,3-Trichlorobenzene

Concen: 4.619 ug/l

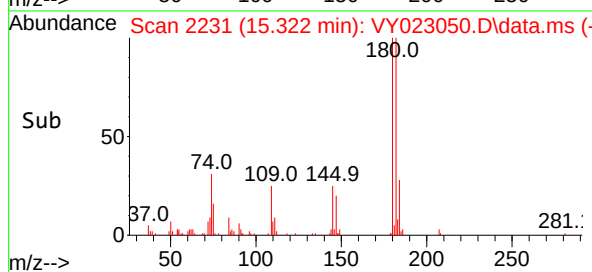
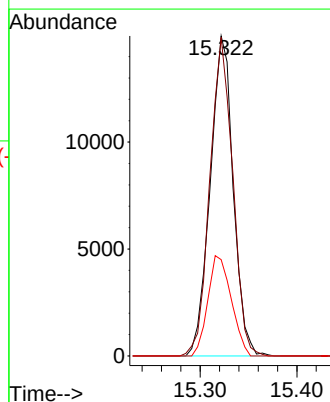
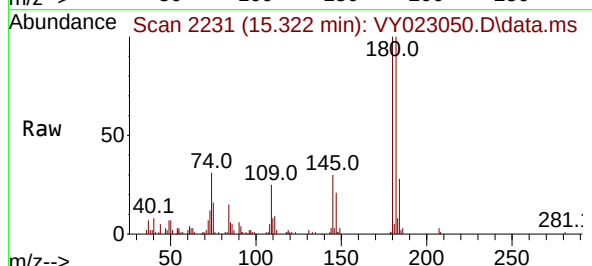
RT: 15.322 min Scan# 2231

Delta R.T. 0.000 min

Lab File: VY023050.D

Acq: 12 Aug 2025 14:54

Tgt Ion:180	Resp:	24703
Ion Ratio	Lower	Upper
180	100	
182	98.4	47.9 143.7
145	31.9	15.9 47.7



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081225\
 Data File : VY023051.D
 Acq On : 12 Aug 2025 15:17
 Operator : SY/MD
 Sample : VSTDICC010
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC010

Manual Integrations APPROVED

Reviewed By : Mahesh Dadoda 08/14/2025
 Supervised By : Semsettin Yesilyurt 08/14/2025

Quant Time: Aug 13 01:51:22 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 13 01:46:43 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.701	168	551522	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	883548	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.408	117	761327	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	365647	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	54002	10.274	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	20.540%#		
35) Dibromofluoromethane	7.628	113	52916	10.009	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	20.020%#		
50) Toluene-d8	10.103	98	204532	9.903	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	19.800%#		
62) 4-Bromofluorobenzene	12.401	95	64927	9.775	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	19.540%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.861	85	51022	11.334	ug/l	95
3) Chloromethane	2.068	50	77982	10.695	ug/l	97
4) Vinyl Chloride	2.202	62	95983	10.649	ug/l	99
5) Bromomethane	2.592	94	70415	10.461	ug/l	99
6) Chloroethane	2.732	64	62514	10.432	ug/l	97
7) Trichlorofluoromethane	3.049	101	115150	10.507	ug/l	94
8) Diethyl Ether	3.452	74	30390	10.481	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.812	101	57210	10.581	ug/l	100
10) Methyl Iodide	4.001	142	54184	9.287	ug/l	99
11) Tert butyl alcohol	4.866	59	20212	56.119	ug/l	99
12) 1,1-Dichloroethene	3.781	96	55669	10.475	ug/l	92
13) Acrolein	3.647	56	30081	57.030	ug/l	97
14) Allyl chloride	4.372	41	79145	10.121	ug/l	98
15) Acrylonitrile	5.049	53	62889	53.349	ug/l	99
16) Acetone	3.873	43	61290	53.821	ug/l	94
17) Carbon Disulfide	4.098	76	183399	10.583	ug/l	98
18) Methyl Acetate	4.385	43	33996	10.032	ug/l	99
19) Methyl tert-butyl Ether	5.110	73	139820	10.153	ug/l	95
20) Methylene Chloride	4.604	84	77920	11.095	ug/l	97
21) trans-1,2-Dichloroethene	5.110	96	61826	10.352	ug/l	100
22) Diisopropyl ether	6.012	45	172602	10.157	ug/l	93
23) Vinyl Acetate	5.957	43	482714	51.372	ug/l	98
24) 1,1-Dichloroethane	5.903	63	106831	10.282	ug/l	99
25) 2-Butanone	6.896	43	83923	54.187	ug/l	96
26) 2,2-Dichloropropane	6.878	77	91579	10.215	ug/l	100
27) cis-1,2-Dichloroethene	6.884	96	68839	9.970	ug/l	99
28) Bromochloromethane	7.238	49	41820	10.146	ug/l	100
29) Tetrahydrofuran	7.262	42	49926	52.005	ug/l	99
30) Chloroform	7.415	83	109942	10.260	ug/l	93
31) Cyclohexane	7.701	56	103068	10.527	ug/l #	89
32) 1,1,1-Trichloroethane	7.616	97	96693	10.170	ug/l	98
36) 1,1-Dichloropropene	7.829	75	80479	10.243	ug/l	99
37) Ethyl Acetate	6.982	43	34854	10.560	ug/l	97
38) Carbon Tetrachloride	7.811	117	85932	10.070	ug/l	97
39) Methylcyclohexane	9.103	83	102275	9.885	ug/l	99
40) Benzene	8.073	78	243060	10.037	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081225\
 Data File : VY023051.D
 Acq On : 12 Aug 2025 15:17
 Operator : SY/MD
 Sample : VSTDICC010
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC010

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025

Supervised By :Semsettin Yesilyurt 08/14/2025

Quant Time: Aug 13 01:51:22 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M

Quant Title : SW846 8260

QLast Update : Wed Aug 13 01:46:43 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.213	41	18825	9.872	ug/l #	89
42) 1,2-Dichloroethane	8.152	62	65350	10.376	ug/l	99
43) Isopropyl Acetate	8.195	43	67669	10.144	ug/l	99
44) Trichloroethene	8.859	130	62689	10.017	ug/l	98
45) 1,2-Dichloropropane	9.134	63	56720	10.179	ug/l	97
46) Dibromomethane	9.225	93	33460	10.462	ug/l	98
47) Bromodichloromethane	9.420	83	81951	9.959	ug/l	97
48) Methyl methacrylate	9.213	41	31851	9.978	ug/l	96
49) 1,4-Dioxane	9.231	88	7705	205.471	ug/l	94
51) 4-Methyl-2-Pentanone	9.993	43	177157	51.484	ug/l	98
52) Toluene	10.164	92	150422	9.780	ug/l	99
53) t-1,3-Dichloropropene	10.390	75	72507	9.730	ug/l	99
54) cis-1,3-Dichloropropene	9.853	75	85945	9.753	ug/l	100
55) 1,1,2-Trichloroethane	10.566	97	42712	9.981	ug/l	97
56) Ethyl methacrylate	10.432	69	52746	9.632	ug/l	98
57) 1,3-Dichloropropane	10.713	76	74433	10.256	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.707	63	119417	46.232	ug/l	98
59) 2-Hexanone	10.755	43	118452	50.553	ug/l	99
60) Dibromochloromethane	10.902	129	56045	9.925	ug/l	99
61) 1,2-Dibromoethane	11.011	107	41009	10.196	ug/l	99
64) Tetrachloroethene	10.640	164	70502	10.371	ug/l	98
65) Chlorobenzene	11.438	112	162985	9.925	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.511	131	54856	9.842	ug/l	97
67) Ethyl Benzene	11.511	91	273281	9.670	ug/l	99
68) m/p-Xylenes	11.621	106	212766	19.277	ug/l	99
69) o-Xylene	11.950	106	97841	9.465	ug/l	98
70) Styrene	11.963	104	155809	9.216	ug/l	99
71) Bromoform	12.127	173	32470	9.968	ug/l #	97
73) Isopropylbenzene	12.249	105	254745	9.871	ug/l	99
74) N-amyl acetate	12.066	43	53943	9.857	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.499	83	47304	10.735	ug/l	99
76) 1,2,3-Trichloropropane	12.548	75	35353m	10.012	ug/l	
77) Bromobenzene	12.523	156	60728	9.864	ug/l	96
78) n-propylbenzene	12.590	91	303440	9.876	ug/l	100
79) 2-Chlorotoluene	12.676	91	175364	9.962	ug/l	99
80) 1,3,5-Trimethylbenzene	12.731	105	205544	9.855	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.298	75	15715	10.780	ug/l	96
82) 4-Chlorotoluene	12.767	91	181812	9.956	ug/l	99
83) tert-Butylbenzene	12.993	119	181408	9.630	ug/l	99
84) 1,2,4-Trimethylbenzene	13.035	105	201812	9.720	ug/l	100
85) sec-Butylbenzene	13.170	105	274178	9.908	ug/l	99
86) p-Isopropyltoluene	13.285	119	217799	9.482	ug/l	98
87) 1,3-Dichlorobenzene	13.279	146	120109	9.893	ug/l	99
88) 1,4-Dichlorobenzene	13.359	146	121160	10.060	ug/l	97
89) n-Butylbenzene	13.609	91	205420	9.737	ug/l	98
90) Hexachloroethane	13.871	117	47353	10.071	ug/l	98
91) 1,2-Dichlorobenzene	13.651	146	107656	10.110	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.267	75	7032	10.250	ug/l	98
93) 1,2,4-Trichlorobenzene	14.913	180	61323	9.739	ug/l	99
94) Hexachlorobutadiene	15.017	225	37011	10.003	ug/l	99
95) Naphthalene	15.139	128	99780	9.293	ug/l	99
96) 1,2,3-Trichlorobenzene	15.322	180	53626	9.883	ug/l	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081225\
Data File : VY023051.D
Acq On : 12 Aug 2025 15:17
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025

Quant Time: Aug 13 01:51:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 01:46:43 2025
Response via : Initial Calibration

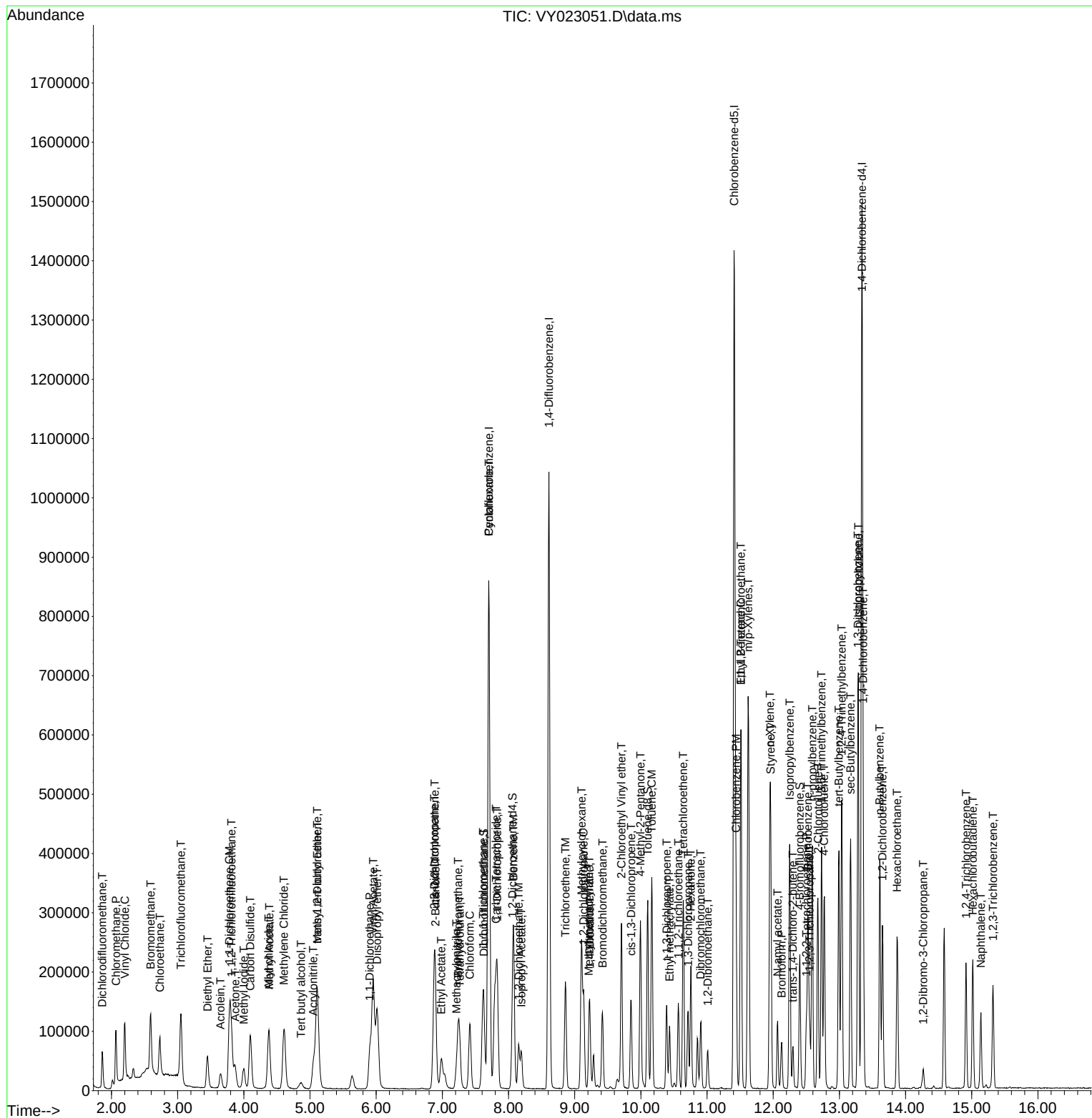
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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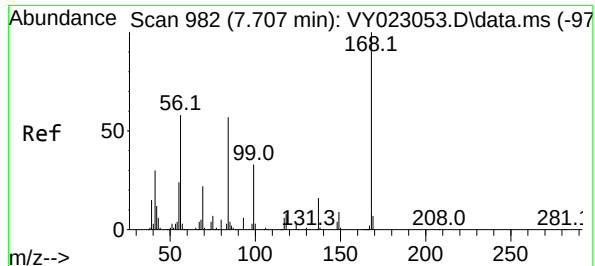
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025





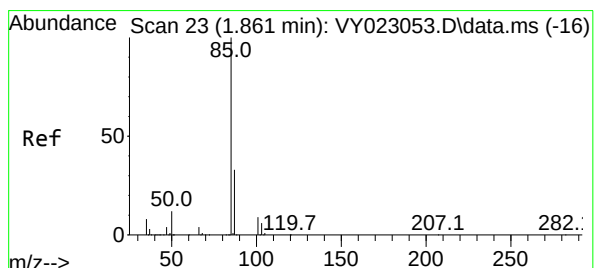
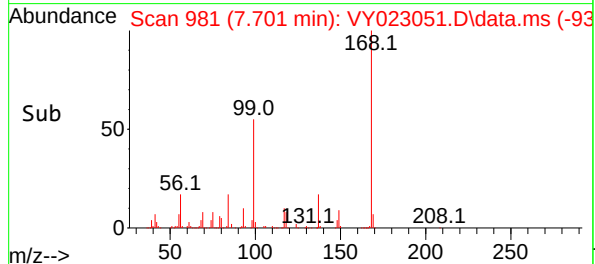
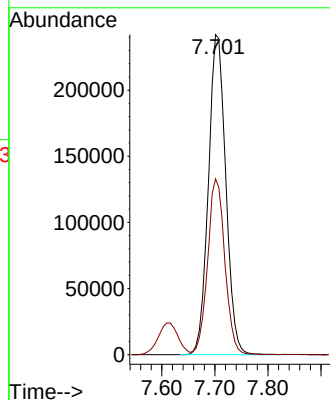
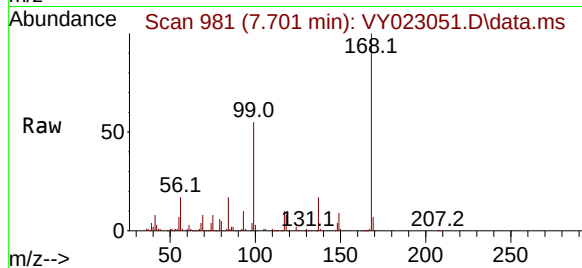
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.006 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:168 Resp: 55152
Ion Ratio Lower Upper
168 100
99 54.9 42.8 64.2

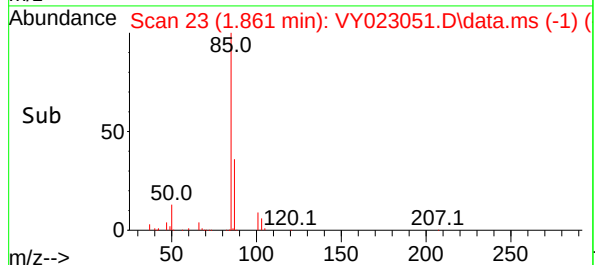
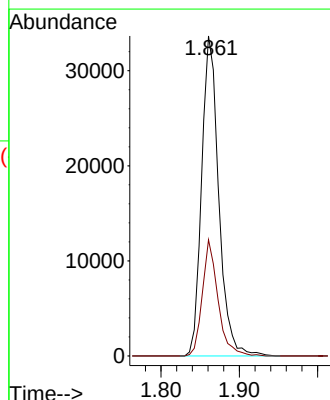
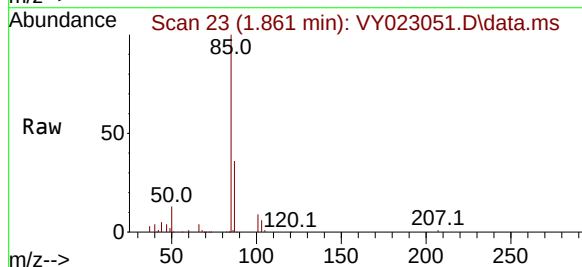
Manual Integrations
APPROVED

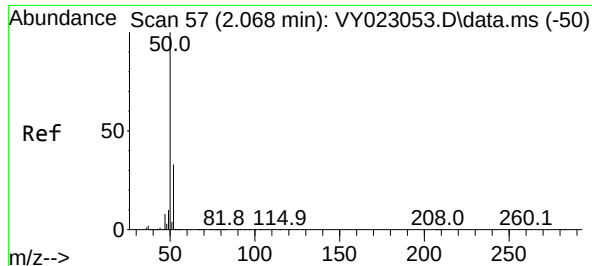
Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025



#2
Dichlorodifluoromethane
Concen: 11.334 ug/l
RT: 1.861 min Scan# 23
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion: 85 Resp: 51022
Ion Ratio Lower Upper
85 100
87 36.3 16.6 49.8





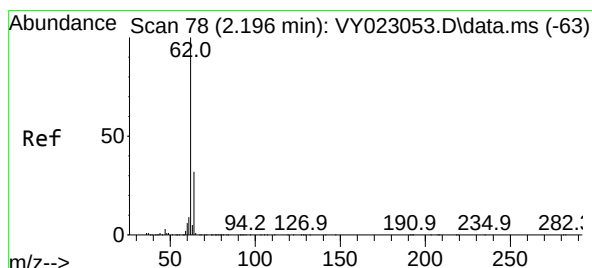
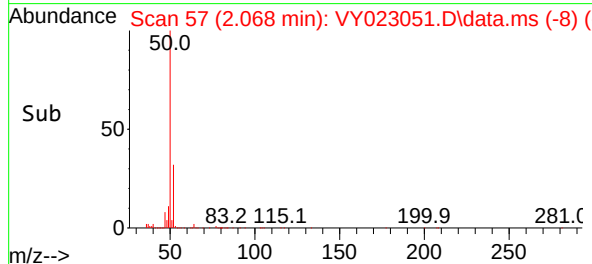
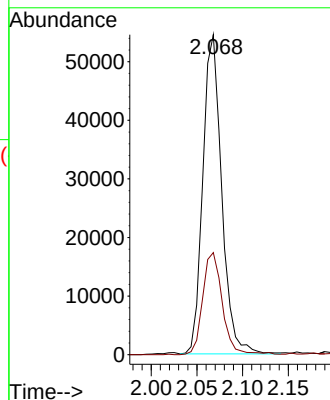
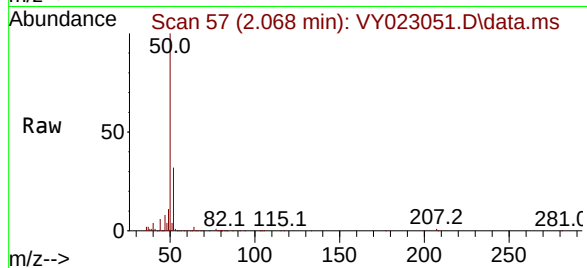
#3
Chloromethane
Concen: 10.695 ug/l
RT: 2.068 min Scan# 51
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 50 Resp: 77982
Ion Ratio Lower Upper
50 100
52 32.0 26.7 40.1

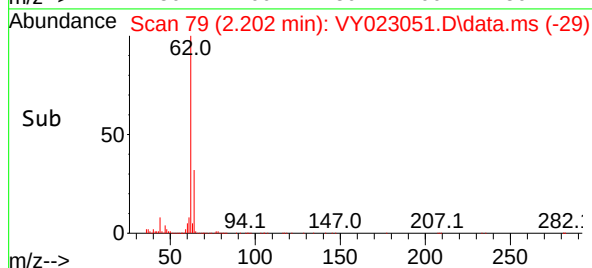
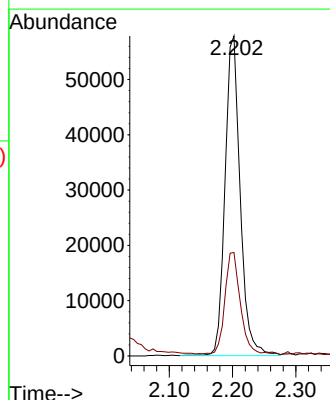
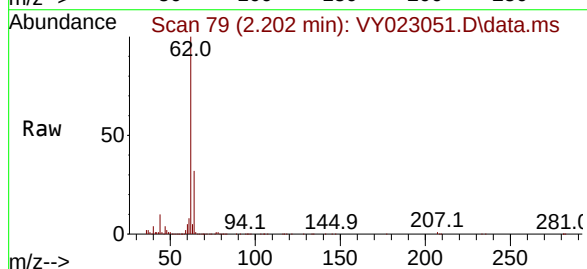
Manual Integrations
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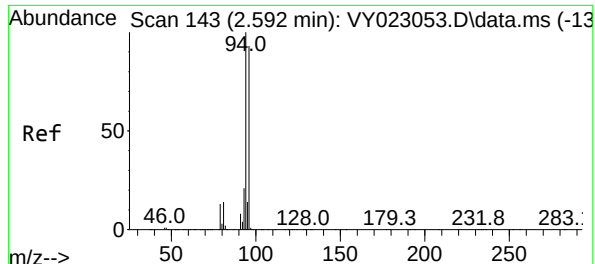
Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025



#4
Vinyl Chloride
Concen: 10.649 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.006 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion: 62 Resp: 95983
Ion Ratio Lower Upper
62 100
64 32.0 25.4 38.0





#5

Bromomethane

Concen: 10.461 ug/l

RT: 2.592 min Scan# 143

Delta R.T. 0.000 min

Lab File: VY023051.D

Acq: 12 Aug 2025 15:17

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tgt Ion: 94 Resp: 7041

Ion Ratio Lower Upper

94 100

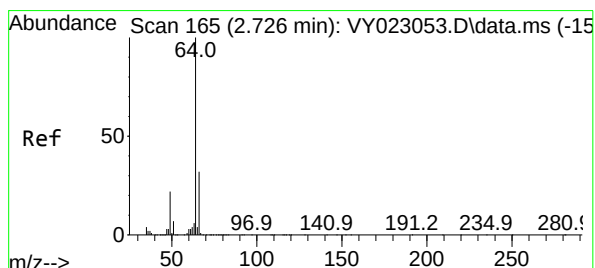
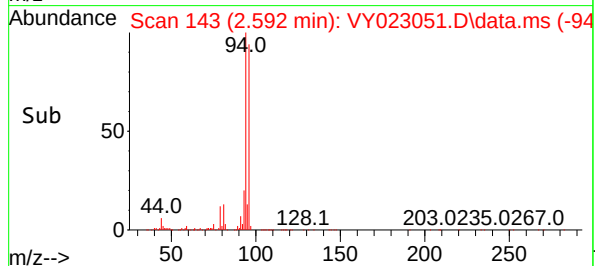
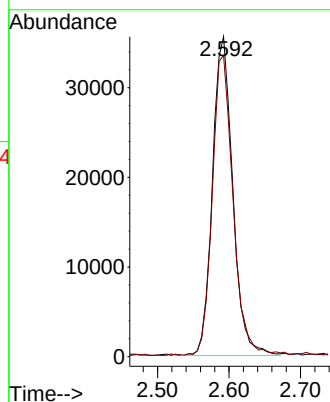
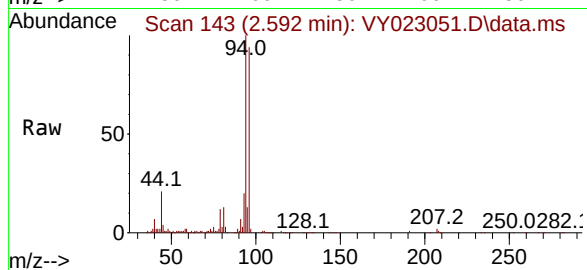
96 93.8 74.6 112.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025

Supervised By :Semsettin Yesilyurt 08/14/2025



#6

Chloroethane

Concen: 10.432 ug/l

RT: 2.732 min Scan# 166

Delta R.T. 0.006 min

Lab File: VY023051.D

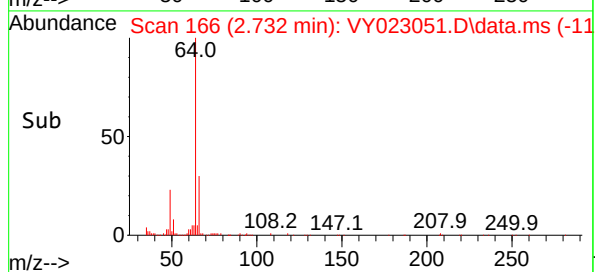
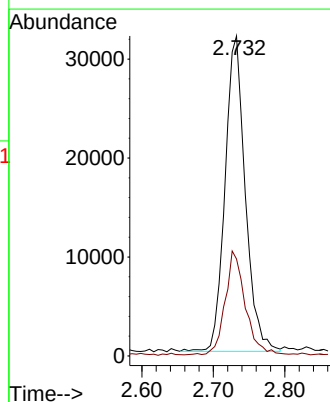
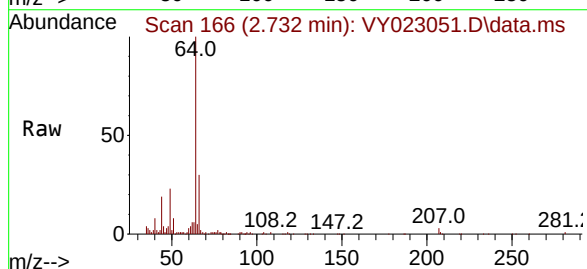
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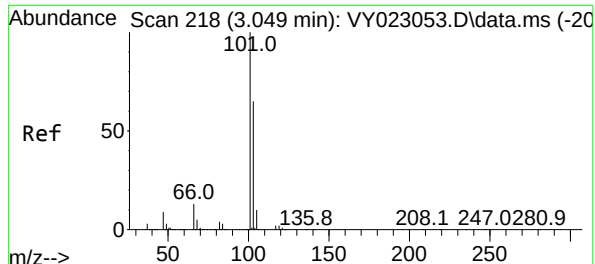
Tgt Ion: 64 Resp: 62514

Ion Ratio Lower Upper

64 100

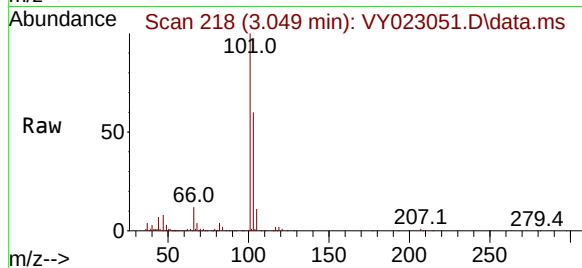
66 30.4 25.8 38.6





#7
Trichlorofluoromethane
Concen: 10.507 ug/l
RT: 3.049 min Scan# 218
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

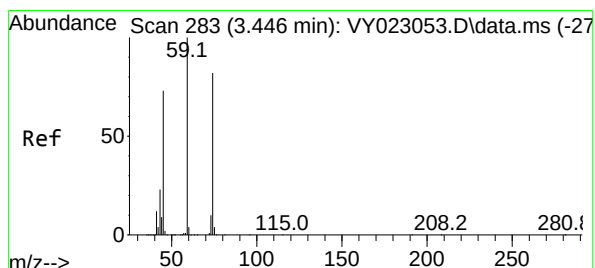
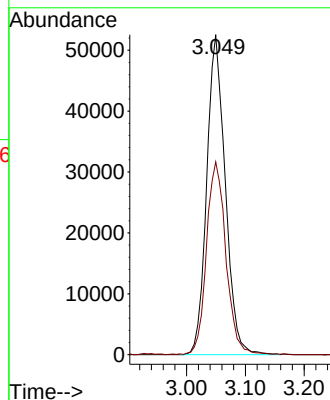
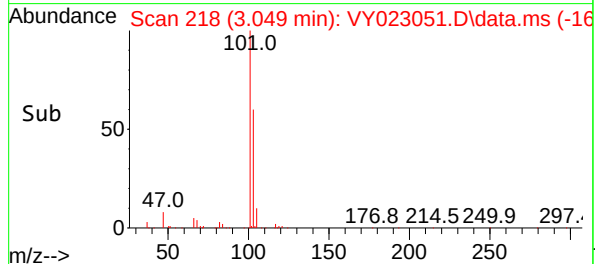
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010



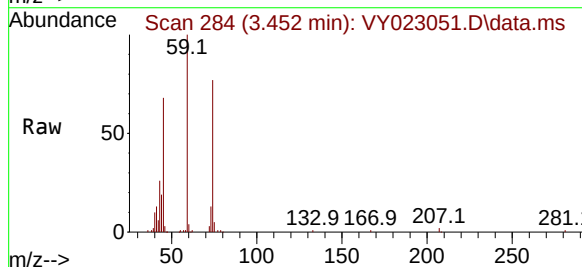
Tgt Ion:101 Resp: 115150
Ion Ratio Lower Upper
101 100
103 60.1 51.9 77.9

Manual Integrations
APPROVED

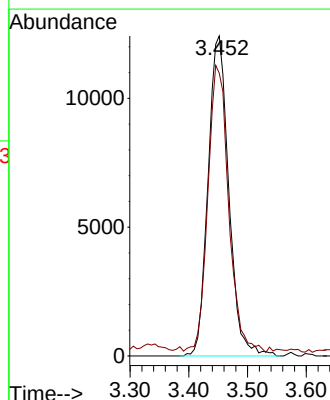
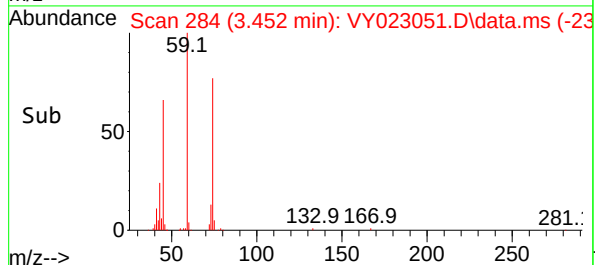
Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025

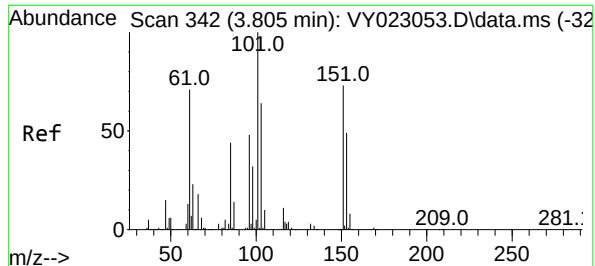


#8
Diethyl Ether
Concen: 10.481 ug/l
RT: 3.452 min Scan# 284
Delta R.T. 0.006 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17



Tgt Ion: 74 Resp: 30390
Ion Ratio Lower Upper
74 100
45 90.2 44.4 133.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 10.581 ug/l

RT: 3.812 min Scan# 342

Delta R.T. 0.006 min

Lab File: VY023051.D

Acq: 12 Aug 2025 15:17

Instrument :

MSVOA_Y

ClientSampleId :

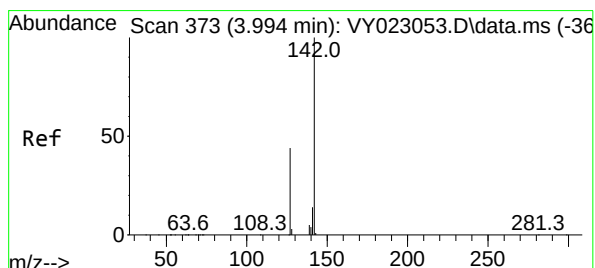
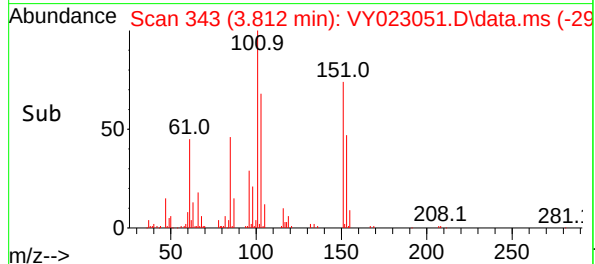
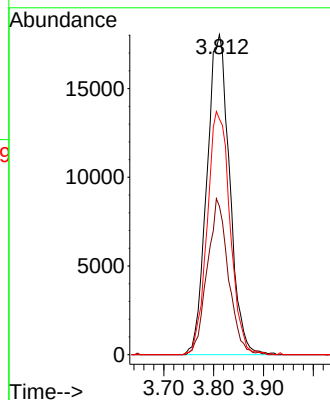
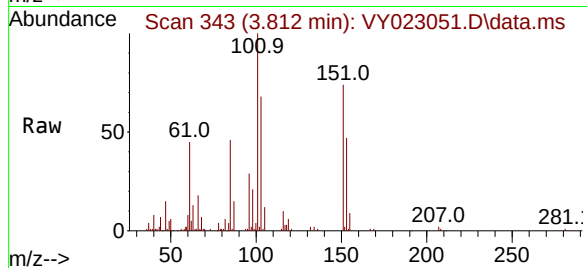
VSTDIC010

Tgt Ion:	101	Resp:	57210
Ion	Ratio	Lower	Upper
101	100		
85	45.3	36.3	54.5
151	76.3	61.5	92.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025



#10

Methyl Iodide

Concen: 9.287 ug/l

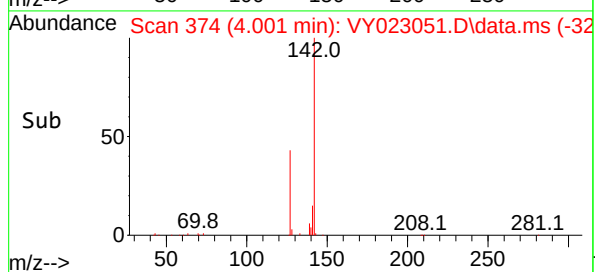
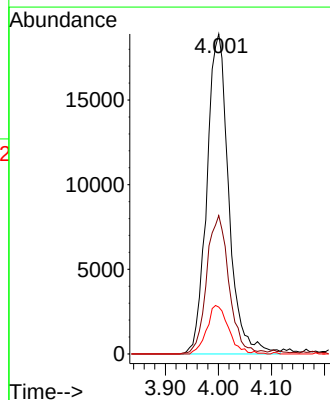
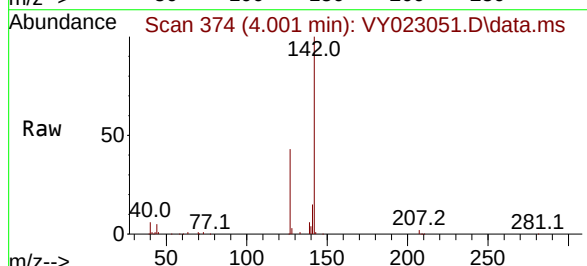
RT: 4.001 min Scan# 374

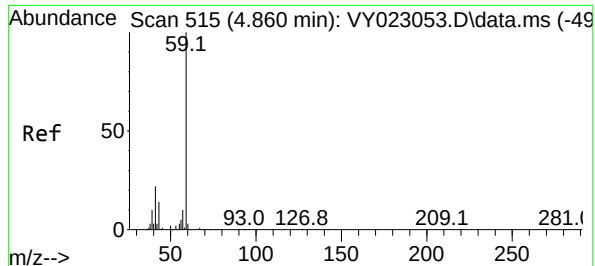
Delta R.T. 0.006 min

Lab File: VY023051.D

Acq: 12 Aug 2025 15:17

Tgt Ion:	142	Resp:	54184
Ion	Ratio	Lower	Upper
142	100		
127	44.3	34.9	52.3
141	14.9	11.3	16.9





#11

Tert butyl alcohol

Concen: 56.119 ug/l

RT: 4.866 min Scan# 515

Delta R.T. 0.006 min

Lab File: VY023051.D

Acq: 12 Aug 2025 15:17

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tgt Ion: 59 Resp: 2021

Ion Ratio Lower Upper

59 100

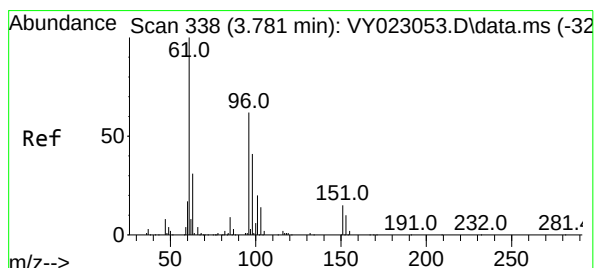
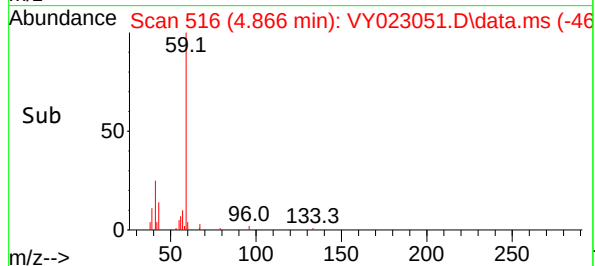
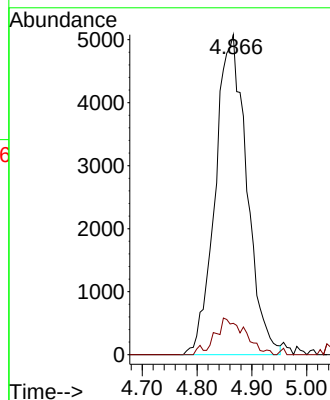
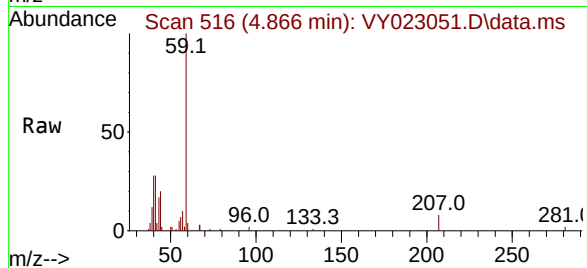
57 10.3 8.6 13.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025

Supervised By :Semsettin Yesilyurt 08/14/2025



#12

1,1-Dichloroethene

Concen: 10.475 ug/l

RT: 3.781 min Scan# 338

Delta R.T. 0.000 min

Lab File: VY023051.D

Acq: 12 Aug 2025 15:17

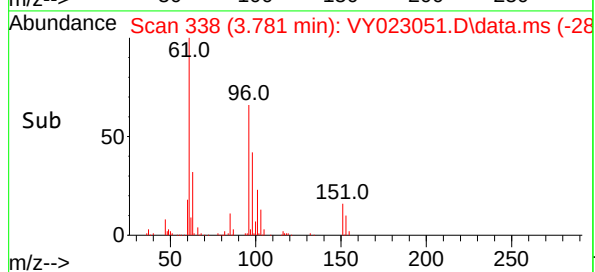
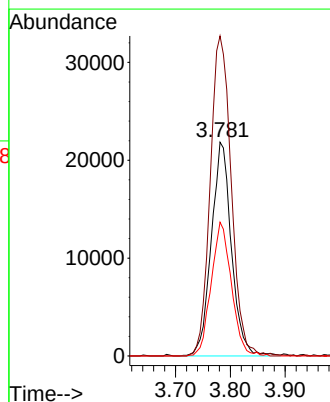
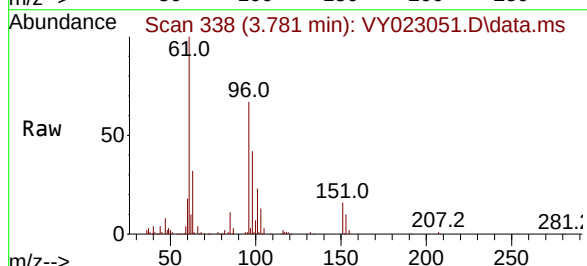
Tgt Ion: 96 Resp: 55669

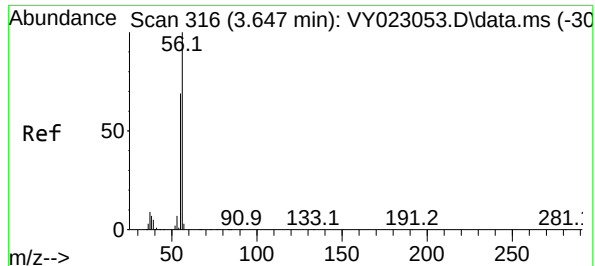
Ion Ratio Lower Upper

96 100

61 149.7 129.4 194.2

98 62.6 52.8 79.2





#13

Acrolein

Concen: 57.030 ug/l

RT: 3.647 min Scan# 316

Delta R.T. 0.000 min

Lab File: VY023051.D

Acq: 12 Aug 2025 15:17

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC010

Tgt Ion: 56 Resp: 3008

Ion Ratio Lower Upper

56 100

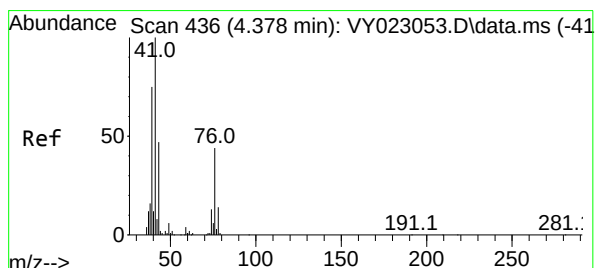
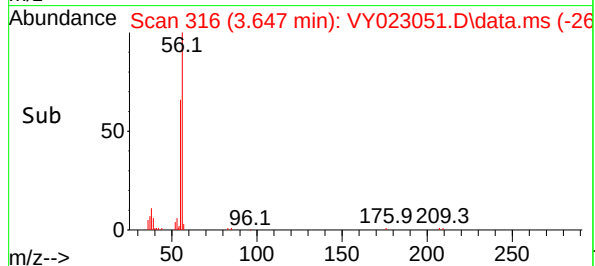
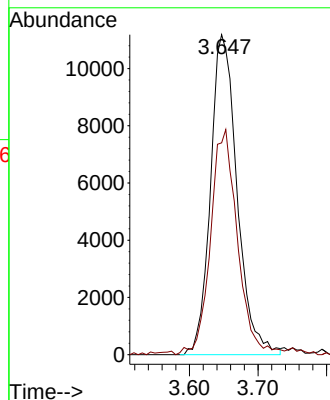
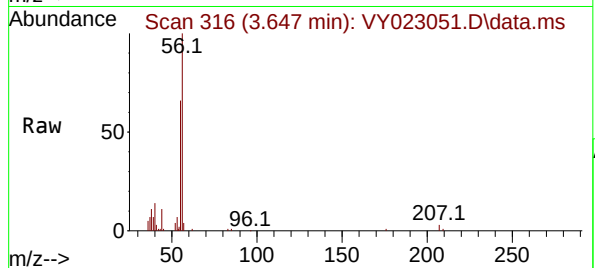
55 71.2 55.2 82.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025

Supervised By :Semsettin Yesilyurt 08/14/2025



#14

Allyl chloride

Concen: 10.121 ug/l

RT: 4.372 min Scan# 435

Delta R.T. -0.006 min

Lab File: VY023051.D

Acq: 12 Aug 2025 15:17

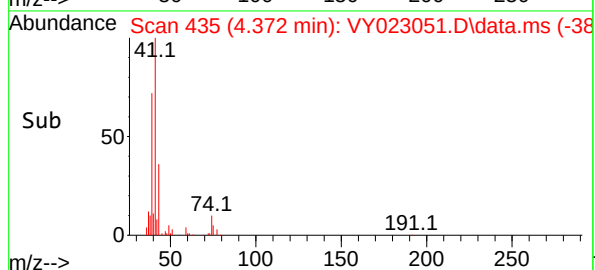
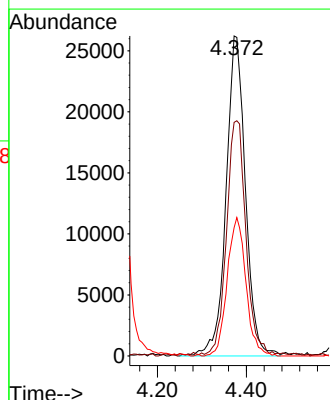
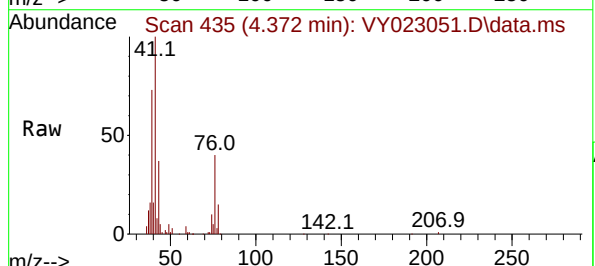
Tgt Ion: 41 Resp: 79145

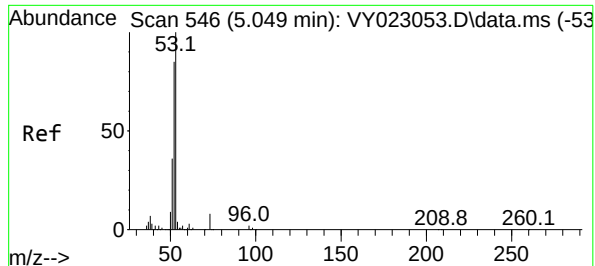
Ion Ratio Lower Upper

41 100

39 72.7 59.8 89.6

76 41.9 33.7 50.5





#15

Acrylonitrile

Concen: 53.349 ug/l

RT: 5.049 min Scan# 546

Delta R.T. 0.000 min

Lab File: VY023051.D

Acq: 12 Aug 2025 15:17

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tgt Ion: 53 Resp: 62889

Ion Ratio Lower Upper

53 100

52 81.0 65.3 97.9

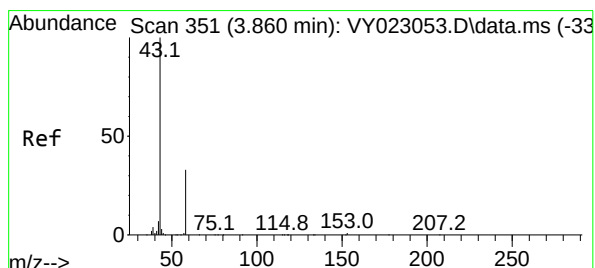
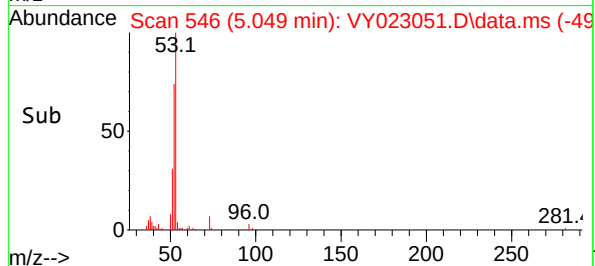
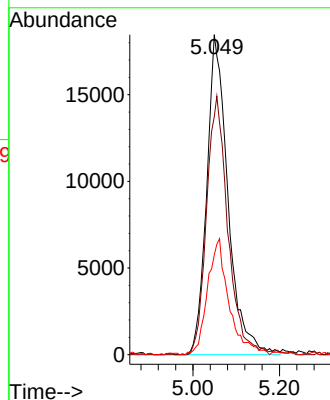
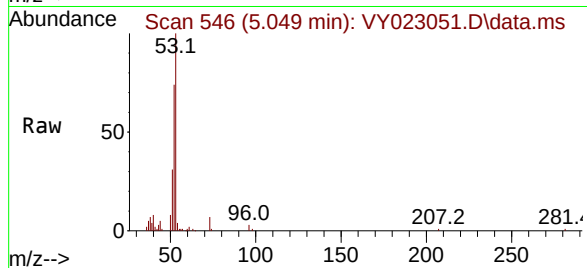
51 36.5 29.5 44.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025

Supervised By :Semsettin Yesilyurt 08/14/2025



#16

Acetone

Concen: 53.821 ug/l

RT: 3.873 min Scan# 353

Delta R.T. 0.012 min

Lab File: VY023051.D

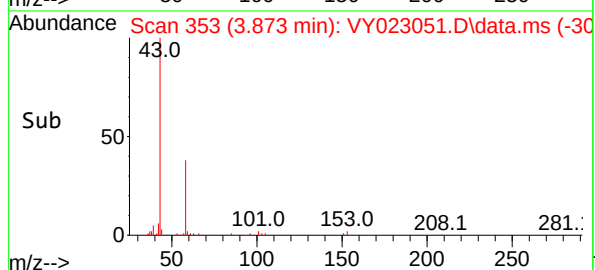
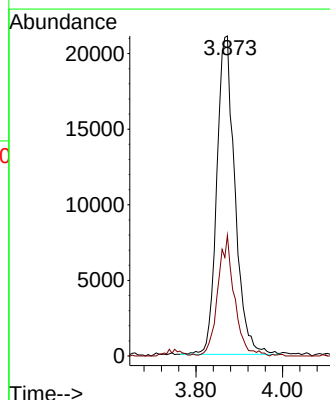
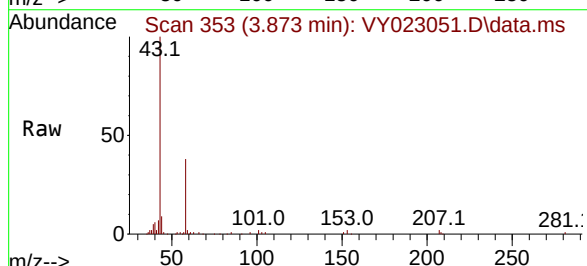
Acq: 12 Aug 2025 15:17

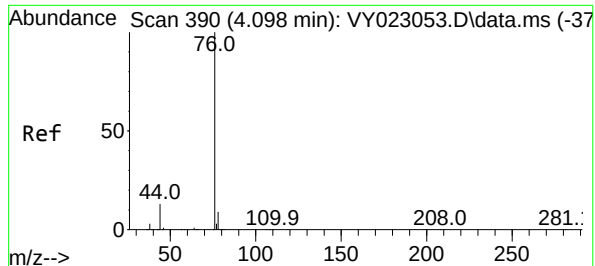
Tgt Ion: 43 Resp: 61290

Ion Ratio Lower Upper

43 100

58 37.4 27.1 40.7





#17

Carbon Disulfide

Concen: 10.583 ug/l

RT: 4.098 min Scan# 390

Delta R.T. 0.000 min

Lab File: VY023051.D

Acq: 12 Aug 2025 15:17

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC010

Tgt Ion: 76 Resp: 183399

Ion Ratio Lower Upper

76 100

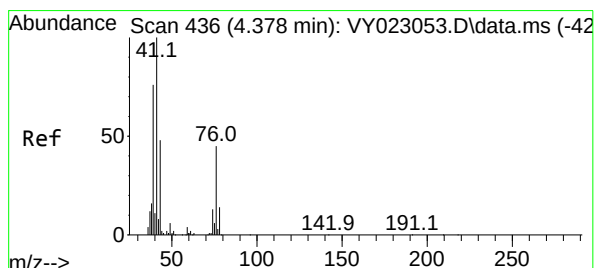
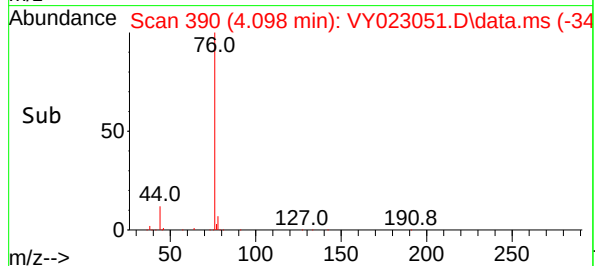
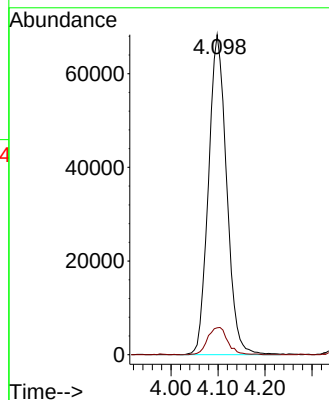
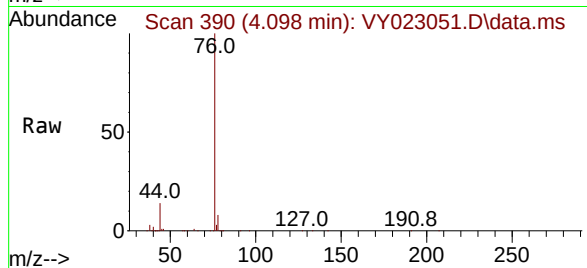
78 8.4 7.4 11.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025

Supervised By :Semsettin Yesilyurt 08/14/2025



#18

Methyl Acetate

Concen: 10.032 ug/l

RT: 4.385 min Scan# 437

Delta R.T. 0.006 min

Lab File: VY023051.D

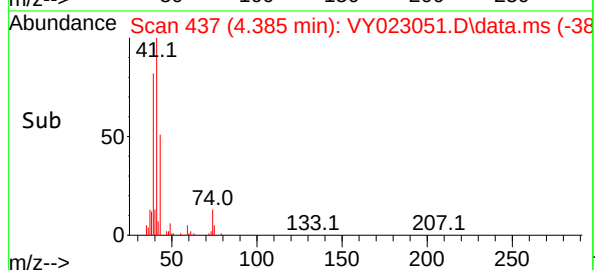
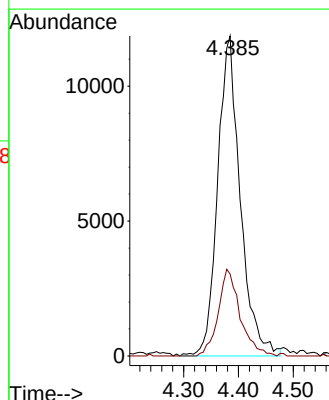
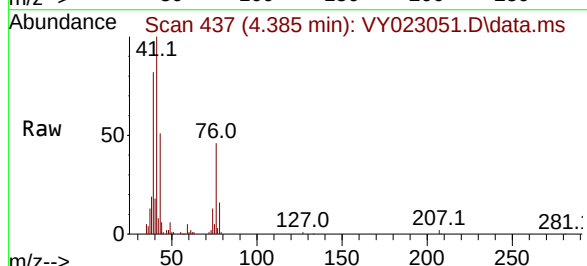
Acq: 12 Aug 2025 15:17

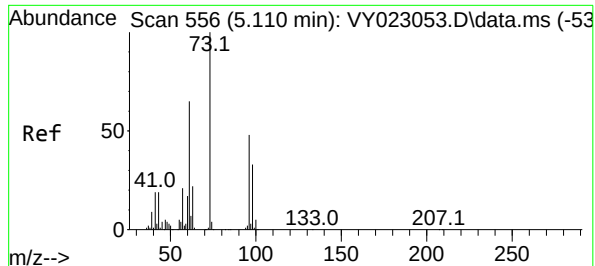
Tgt Ion: 43 Resp: 33996

Ion Ratio Lower Upper

43 100

74 26.2 21.2 31.8





#19

Methyl tert-butyl Ether

Concen: 10.153 ug/l

RT: 5.110 min Scan# 5

Delta R.T. 0.000 min

Lab File: VY023051.D

Acq: 12 Aug 2025 15:17

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tgt Ion: 73 Resp: 139820

Ion Ratio Lower Upper

73 100

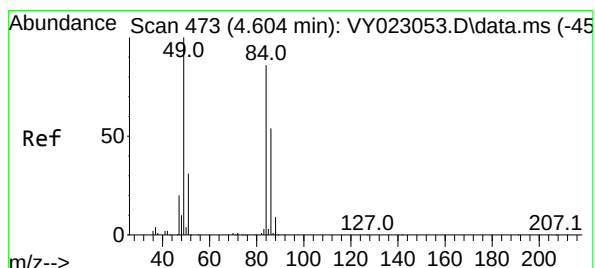
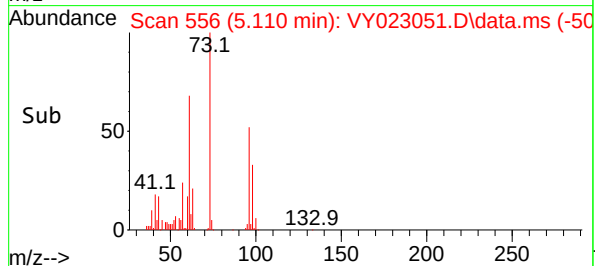
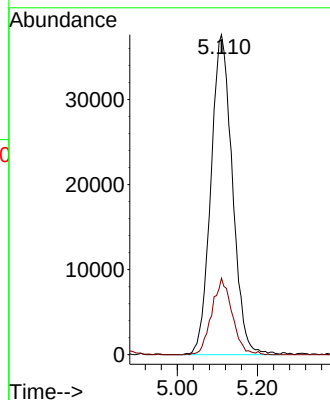
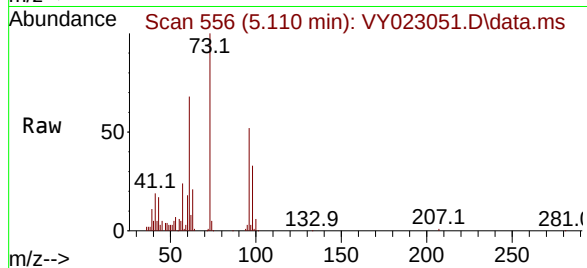
57 23.9 17.1 25.7

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025

Supervised By :Semsettin Yesilyurt 08/14/2025



#20

Methylene Chloride

Concen: 11.095 ug/l

RT: 4.604 min Scan# 473

Delta R.T. 0.000 min

Lab File: VY023051.D

Acq: 12 Aug 2025 15:17

Tgt Ion: 84 Resp: 77920

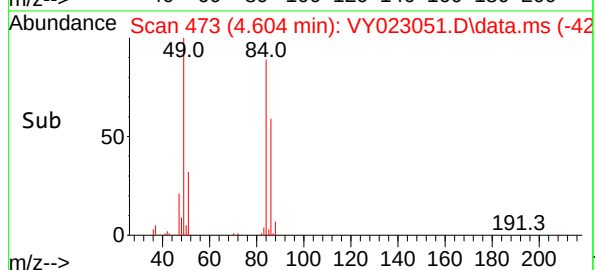
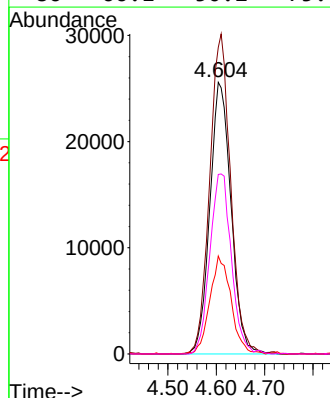
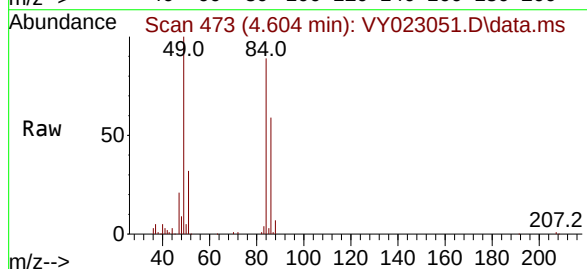
Ion Ratio Lower Upper

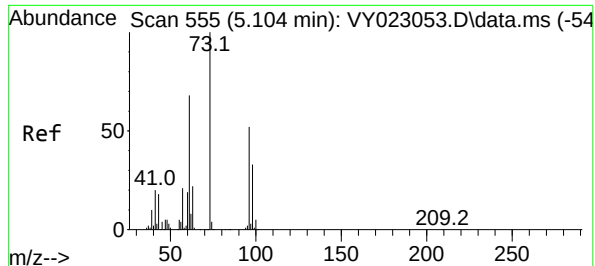
84 100

49 112.8 93.0 139.6

51 36.1 29.0 43.4

86 66.1 50.2 75.4





#21

trans-1,2-Dichloroethene

Concen: 10.352 ug/l

RT: 5.110 min Scan# 5110

Delta R.T. 0.006 min

Lab File: VY023051.D

Acq: 12 Aug 2025 15:17

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tgt Ion: 96 Resp: 61820

Ion Ratio Lower Upper

96 100

61 130.8 104.8 157.2

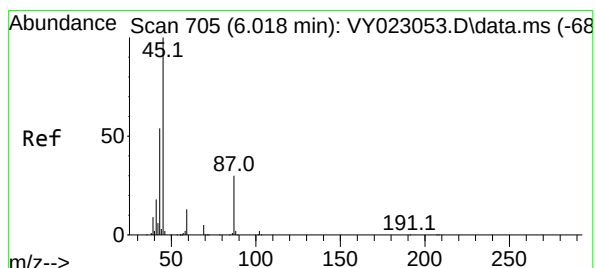
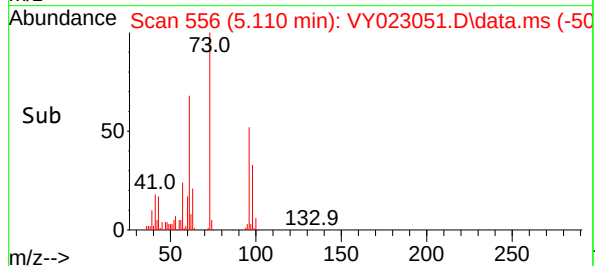
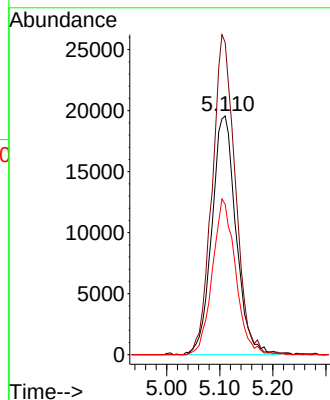
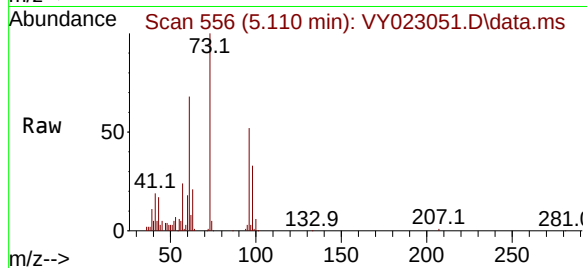
98 63.0 50.1 75.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025

Supervised By :Semsettin Yesilyurt 08/14/2025



#22

Diisopropyl ether

Concen: 10.157 ug/l

RT: 6.012 min Scan# 704

Delta R.T. -0.006 min

Lab File: VY023051.D

Acq: 12 Aug 2025 15:17

Tgt Ion: 45 Resp: 172602

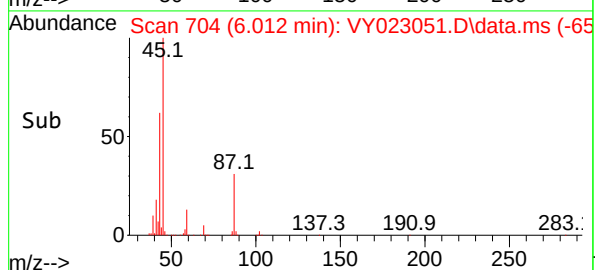
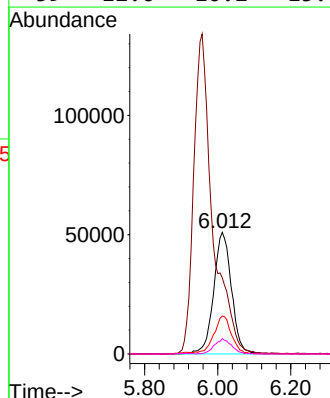
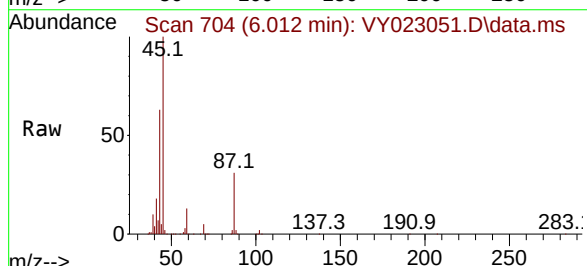
Ion Ratio Lower Upper

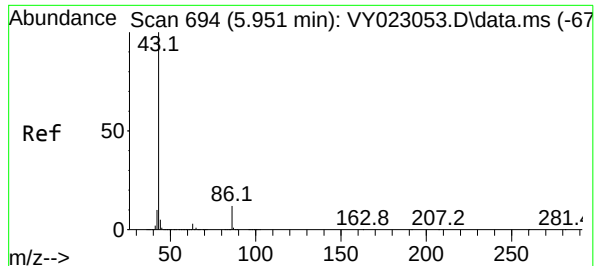
45 100

43 62.2 43.4 65.0

87 31.2 24.4 36.6

59 12.6 10.2 15.4





#23

Vinyl Acetate

Concen: 51.372 ug/l

RT: 5.957 min Scan# 694

Delta R.T. 0.006 min

Lab File: VY023051.D

Acq: 12 Aug 2025 15:17

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC010

Tgt Ion: 43 Resp: 482714

Ion Ratio Lower Upper

43 100

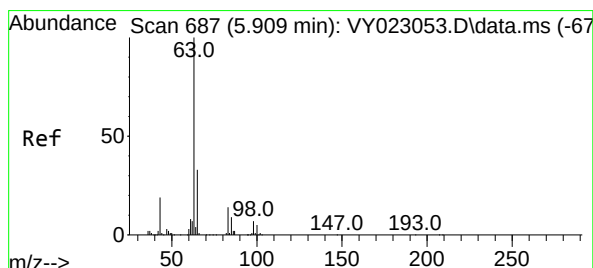
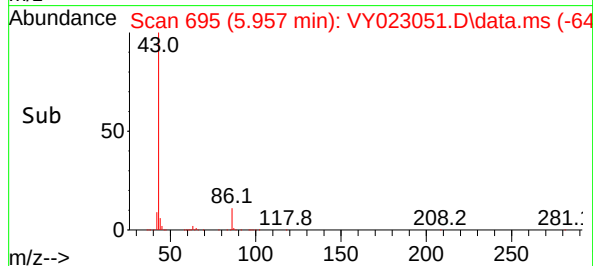
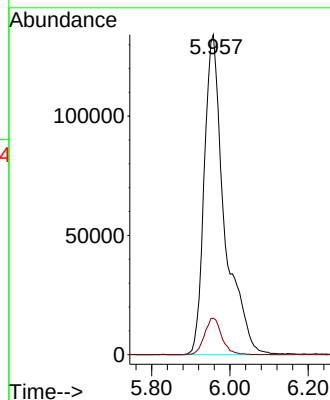
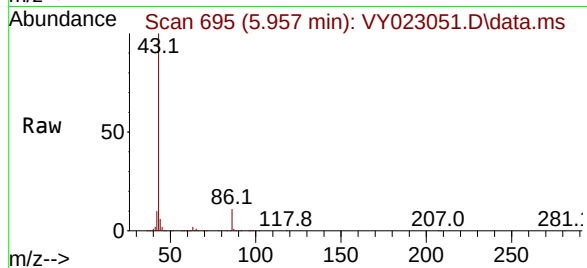
86 11.4 9.6 14.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025

Supervised By :Semsettin Yesilyurt 08/14/2025



#24

1,1-Dichloroethane

Concen: 10.282 ug/l

RT: 5.903 min Scan# 686

Delta R.T. -0.006 min

Lab File: VY023051.D

Acq: 12 Aug 2025 15:17

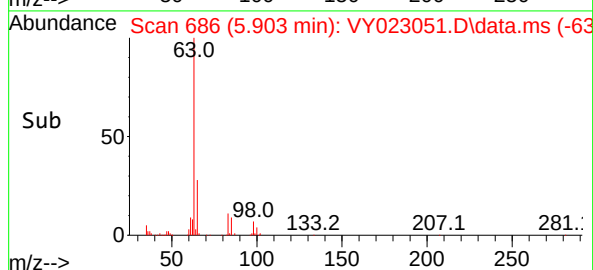
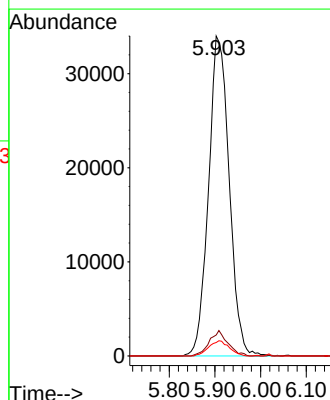
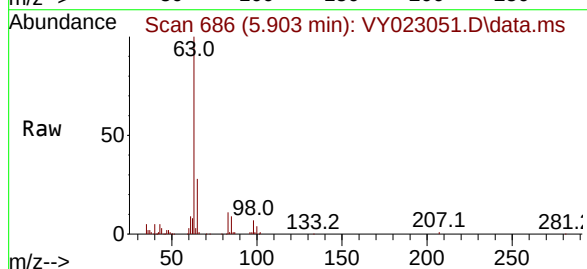
Tgt Ion: 63 Resp: 106831

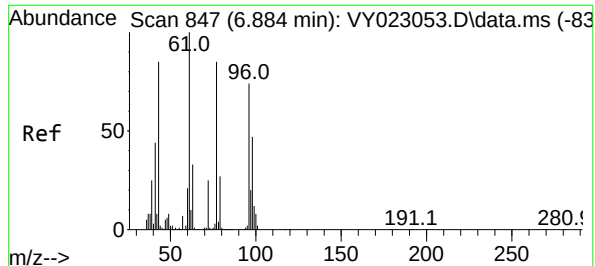
Ion Ratio Lower Upper

63 100

98 6.6 3.5 10.6

100 4.2 2.4 7.1





#25

2-Butanone

Concen: 54.187 ug/l

RT: 6.896 min Scan# 849

Delta R.T. 0.012 min

Lab File: VY023051.D

Acq: 12 Aug 2025 15:17

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tgt Ion: 43 Resp: 8392

Ion Ratio Lower Upper

43 100

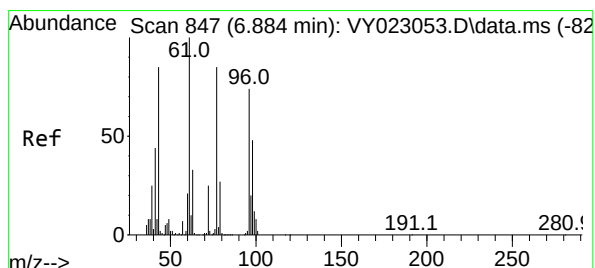
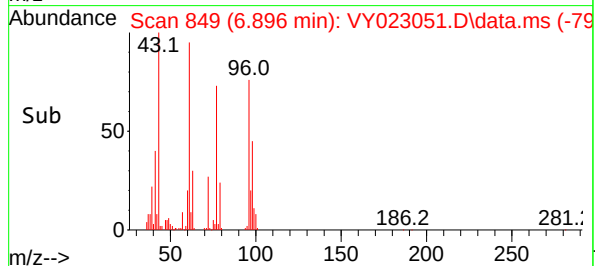
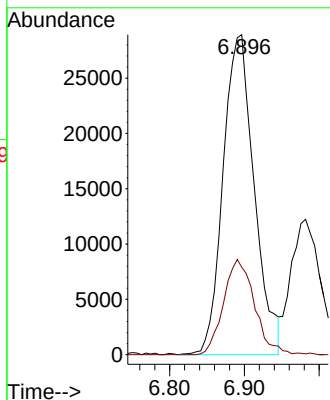
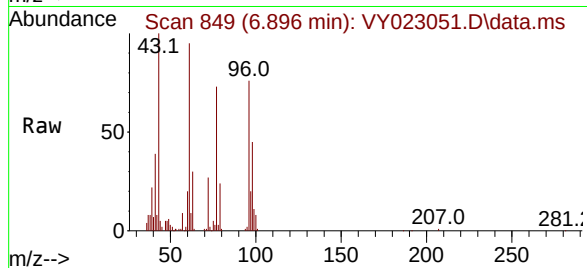
72 27.3 23.5 35.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025

Supervised By :Semsettin Yesilyurt 08/14/2025



#26

2,2-Dichloropropane

Concen: 10.215 ug/l

RT: 6.878 min Scan# 846

Delta R.T. -0.006 min

Lab File: VY023051.D

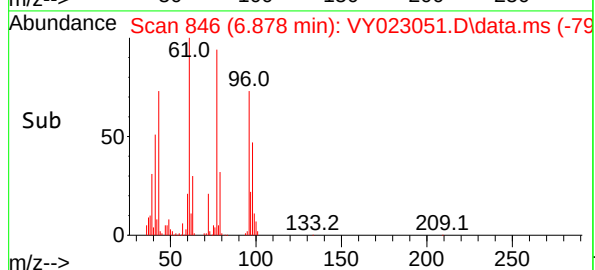
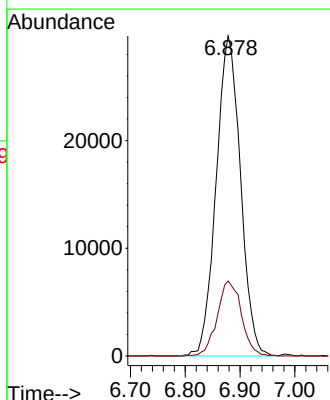
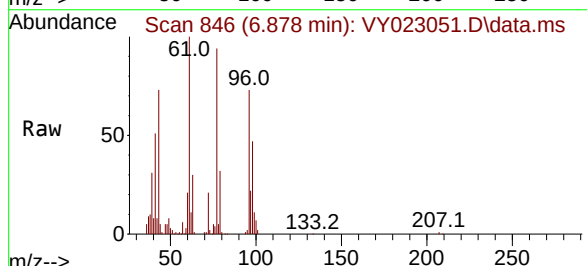
Acq: 12 Aug 2025 15:17

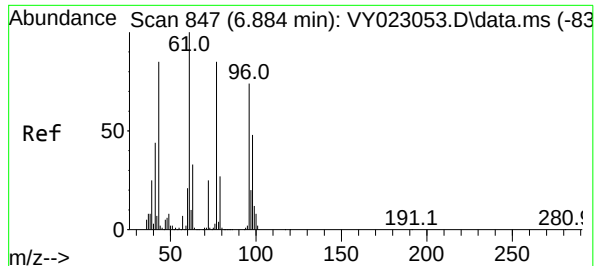
Tgt Ion: 77 Resp: 91579

Ion Ratio Lower Upper

77 100

97 23.4 11.6 34.8





#27

cis-1,2-Dichloroethene

Concen: 9.970 ug/l

RT: 6.884 min Scan# 847

Delta R.T. 0.000 min

Lab File: VY023051.D

Acq: 12 Aug 2025 15:17

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tgt Ion: 96 Resp: 68839

Ion Ratio Lower Upper

96 100

61 139.5 0.0 278.6

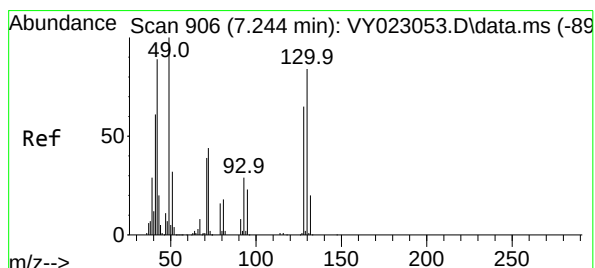
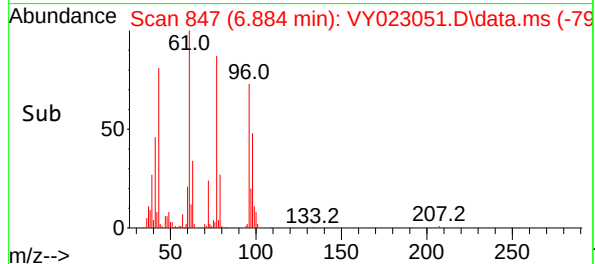
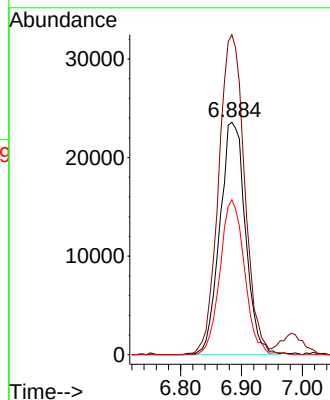
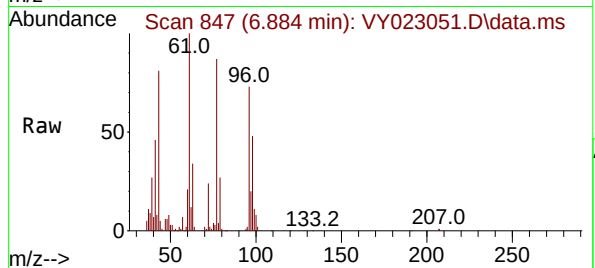
98 63.6 0.0 130.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025

Supervised By :Semsettin Yesilyurt 08/14/2025



#28

Bromochloromethane

Concen: 10.146 ug/l

RT: 7.238 min Scan# 905

Delta R.T. -0.006 min

Lab File: VY023051.D

Acq: 12 Aug 2025 15:17

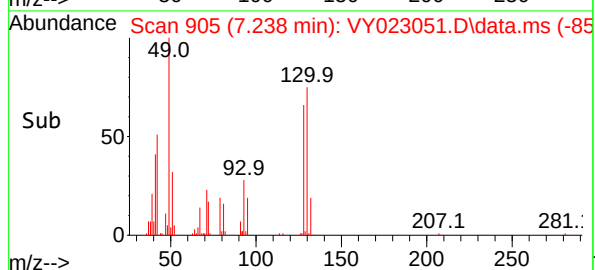
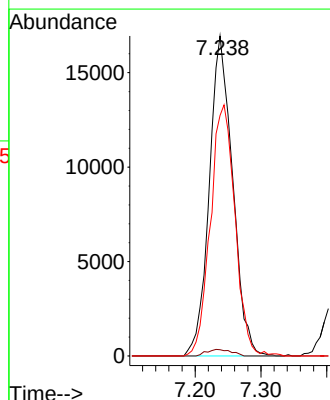
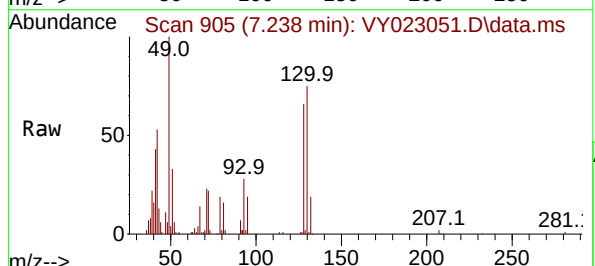
Tgt Ion: 49 Resp: 41820

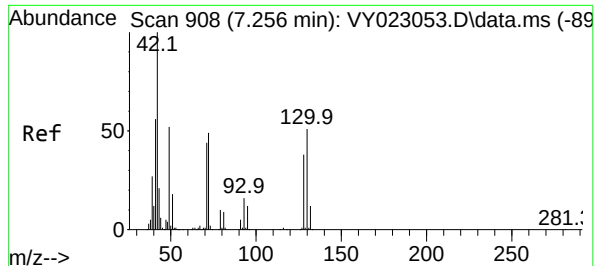
Ion Ratio Lower Upper

49 100

129 2.2 0.0 4.2

130 82.8 66.4 99.6





#29

Tetrahydrofuran

Concen: 52.005 ug/l

RT: 7.262 min Scan# 908

Delta R.T. 0.006 min

Lab File: VY023051.D

Acq: 12 Aug 2025 15:17

Instrument :

MSVOA_Y

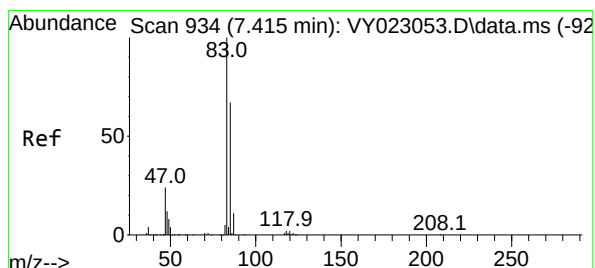
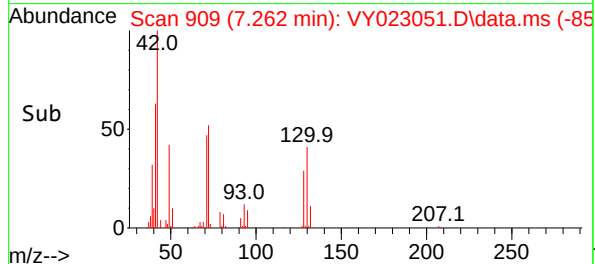
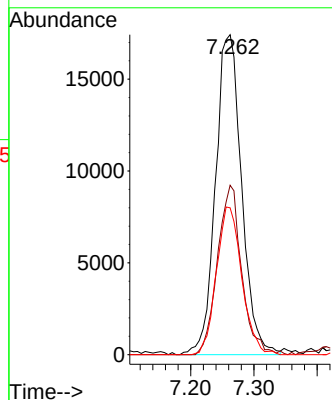
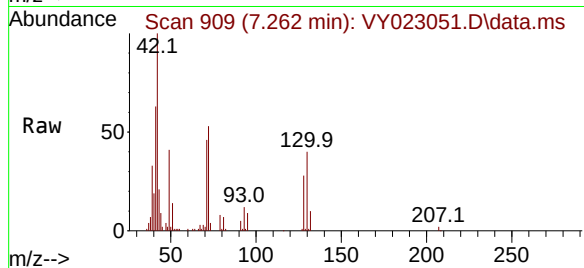
ClientSampleId :

VSTDIC010

Tgt Ion:	42	Resp:	49920
Ion Ratio	Lower	Upper	
42	100		
72	49.0	39.4	59.2
71	44.8	36.5	54.7

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025



#30

Chloroform

Concen: 10.260 ug/l

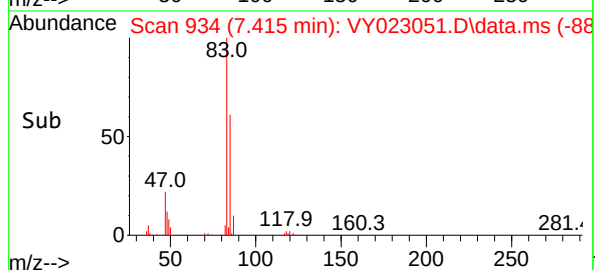
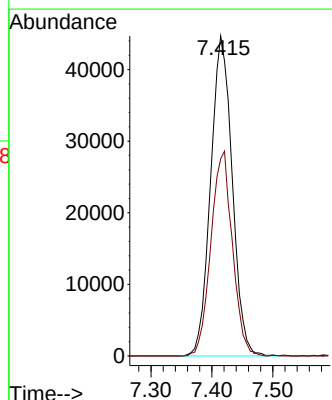
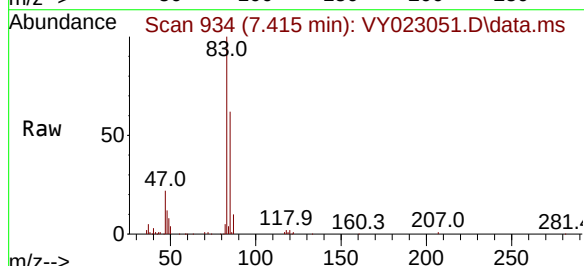
RT: 7.415 min Scan# 934

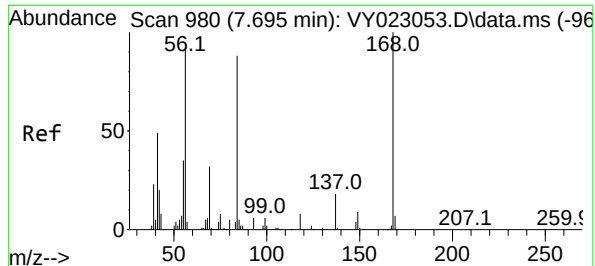
Delta R.T. 0.000 min

Lab File: VY023051.D

Acq: 12 Aug 2025 15:17

Tgt Ion:	83	Resp:	109942
Ion Ratio	Lower	Upper	
83	100		
85	61.6	53.8	80.8





#31

Cyclohexane

Concen: 10.527 ug/l

RT: 7.701 min Scan# 980

Delta R.T. 0.006 min

Lab File: VY023051.D

Acq: 12 Aug 2025 15:17

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tgt Ion: 56 Resp: 103068

Ion Ratio Lower Upper

56 100

69 50.2 28.2 42.2

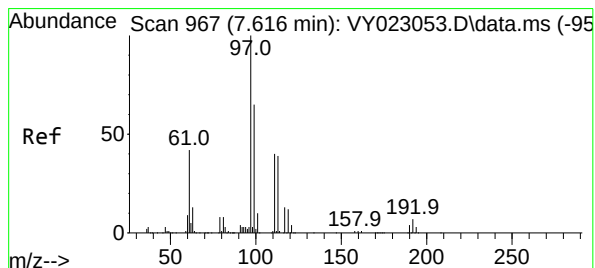
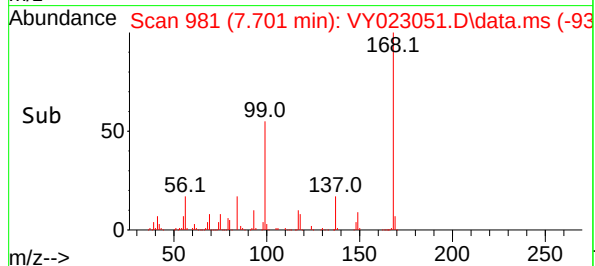
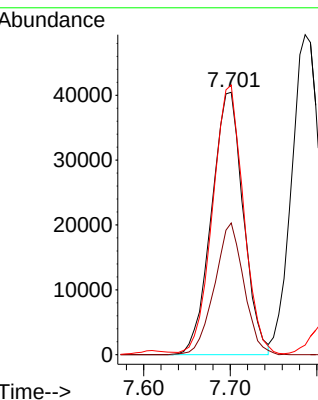
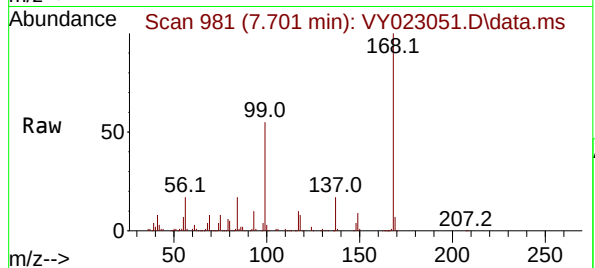
84 101.8 76.6 114.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025

Supervised By :Semsettin Yesilyurt 08/14/2025



#32

1,1,1-Trichloroethane

Concen: 10.170 ug/l

RT: 7.616 min Scan# 967

Delta R.T. 0.000 min

Lab File: VY023051.D

Acq: 12 Aug 2025 15:17

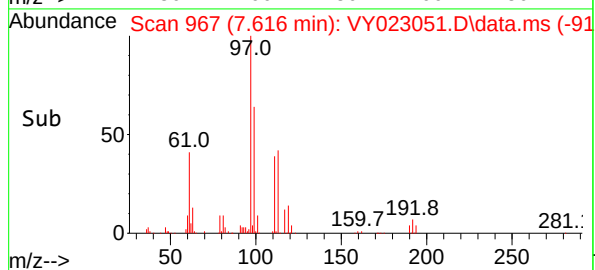
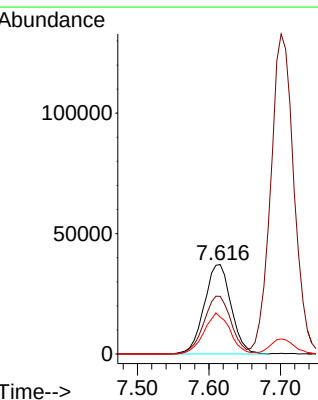
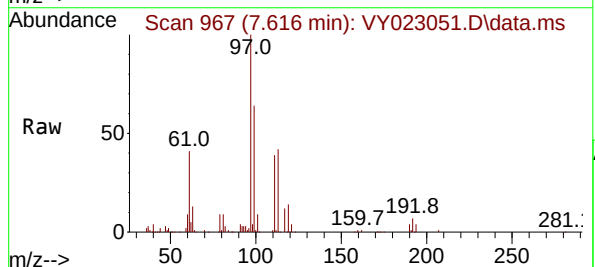
Tgt Ion: 97 Resp: 96693

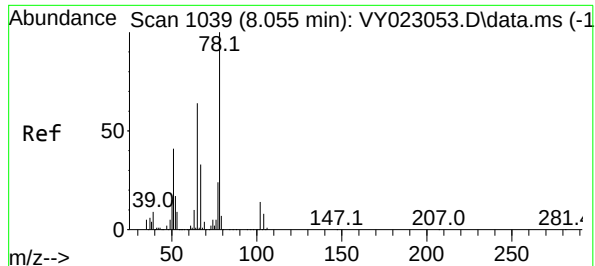
Ion Ratio Lower Upper

97 100

99 65.2 51.6 77.4

61 44.2 34.2 51.2





#33

1,2-Dichloroethane-d4

Concen: 10.274 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. 0.006 min

Lab File: VY023051.D

Acq: 12 Aug 2025 15:17

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tgt Ion: 65 Resp: 5400

Ion Ratio Lower Upper

65 100

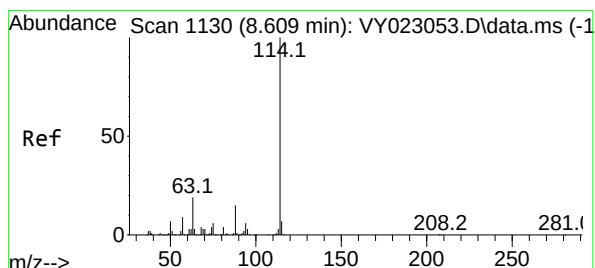
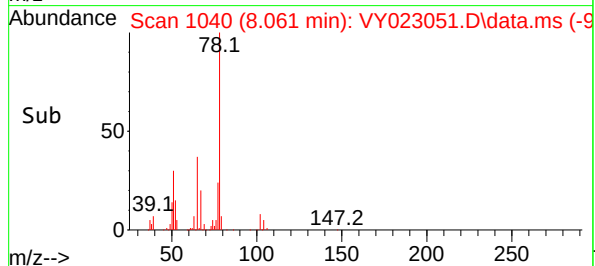
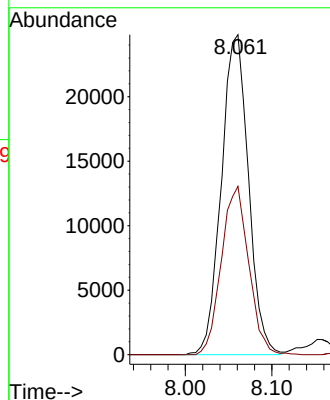
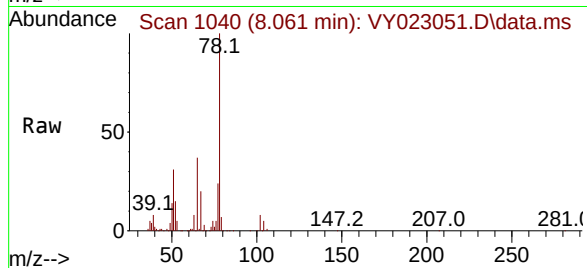
67 53.0 0.0 106.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025

Supervised By :Semsettin Yesilyurt 08/14/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.609 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VY023051.D

Acq: 12 Aug 2025 15:17

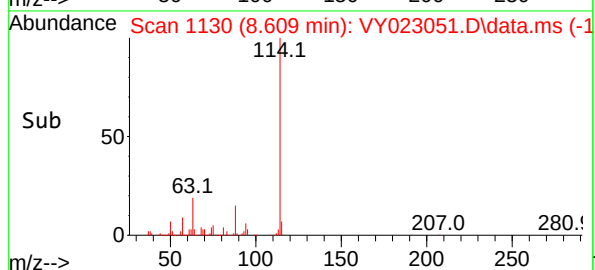
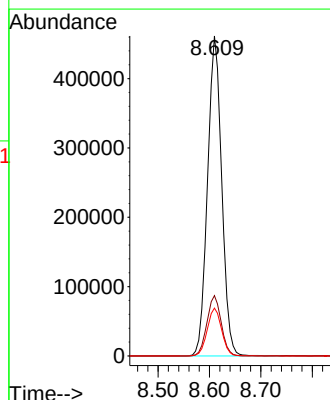
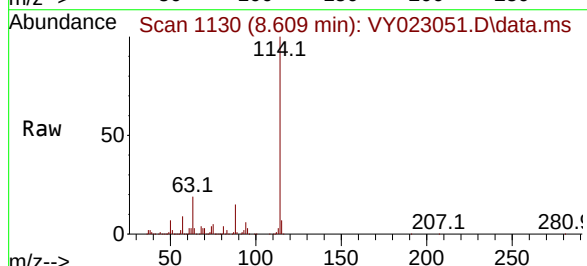
Tgt Ion:114 Resp: 883548

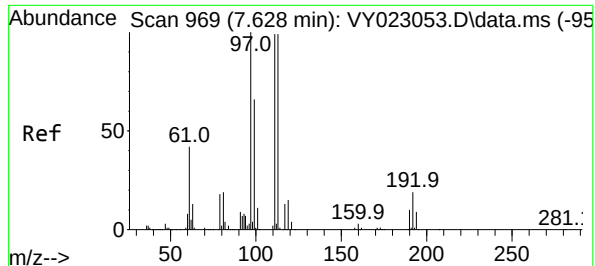
Ion Ratio Lower Upper

114 100

63 18.9 0.0 38.4

88 14.9 0.0 30.0





#35

Dibromofluoromethane

Concen: 10.009 ug/l

RT: 7.628 min Scan# 969

Delta R.T. 0.000 min

Lab File: VY023051.D

Acq: 12 Aug 2025 15:17

Instrument :

MSVOA_Y

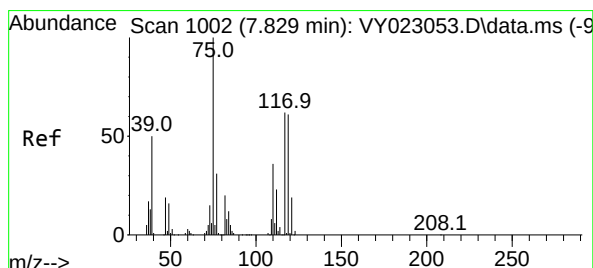
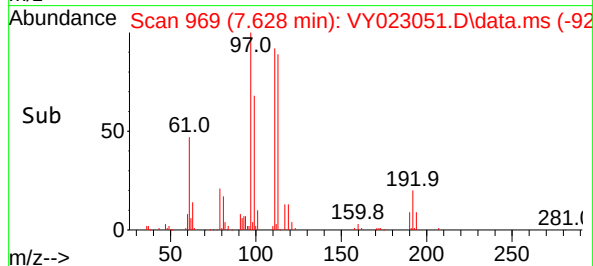
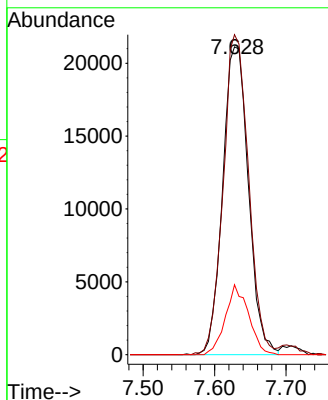
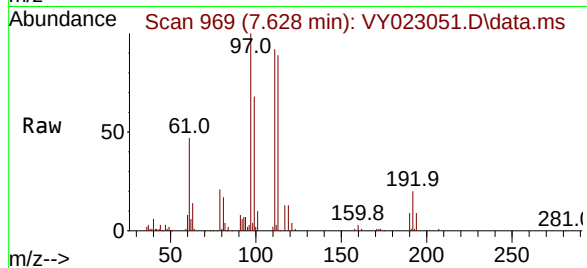
ClientSampleId :

VSTDICC010

Tgt Ion:	113	Resp:	52910
Ion	Ratio	Lower	Upper
113	100		
111	102.1	81.1	121.7
192	20.5	16.2	24.4

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025



#36

1,1-Dichloropropene

Concen: 10.243 ug/l

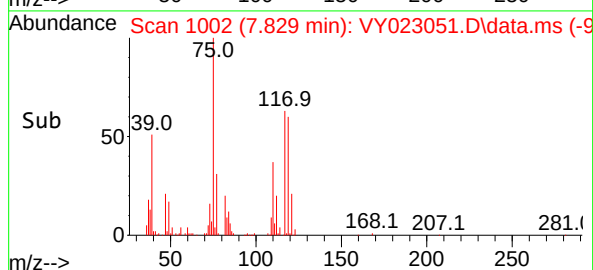
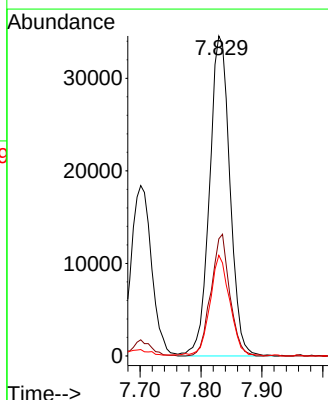
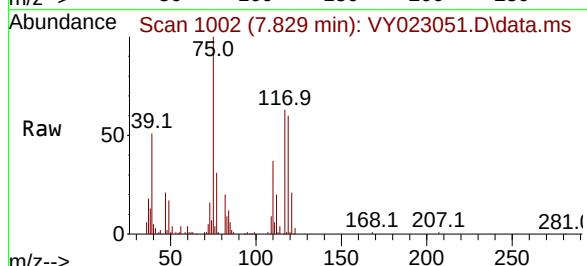
RT: 7.829 min Scan# 1002

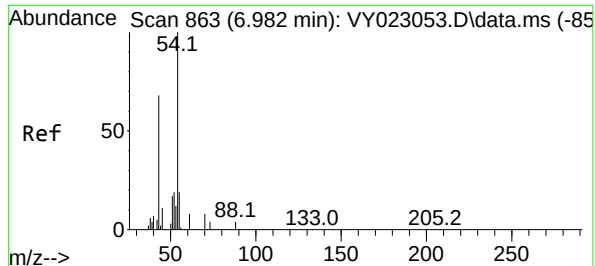
Delta R.T. 0.000 min

Lab File: VY023051.D

Acq: 12 Aug 2025 15:17

Tgt Ion:	75	Resp:	80479
Ion	Ratio	Lower	Upper
75	100		
110	35.2	18.1	54.4
77	30.7	24.6	37.0





#37

Ethyl Acetate

Concen: 10.560 ug/l

RT: 6.982 min Scan# 80

Delta R.T. 0.000 min

Lab File: VY023051.D

Acq: 12 Aug 2025 15:17

Instrument :

MSVOA_Y

ClientSampleId :

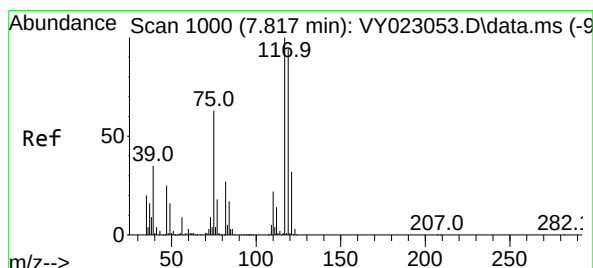
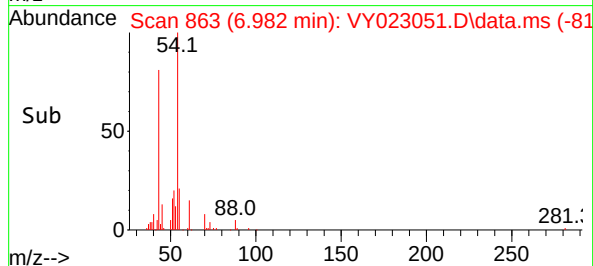
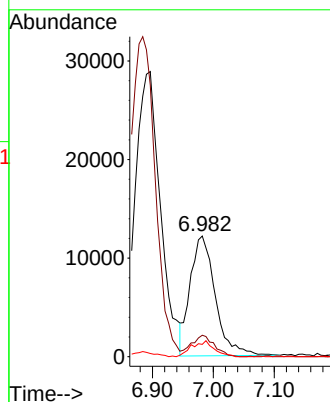
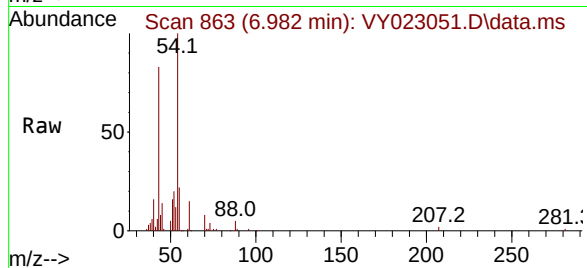
VSTDIC010

Tgt Ion:	43	Resp:	34854
Ion	Ratio	Lower	Upper
43	100		
61	16.5	11.9	17.9
70	11.7	8.8	13.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025



#38

Carbon Tetrachloride

Concen: 10.070 ug/l

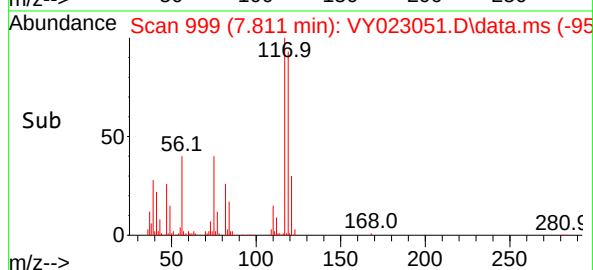
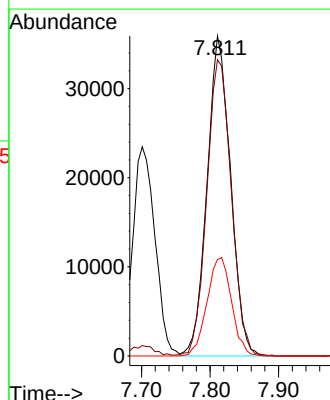
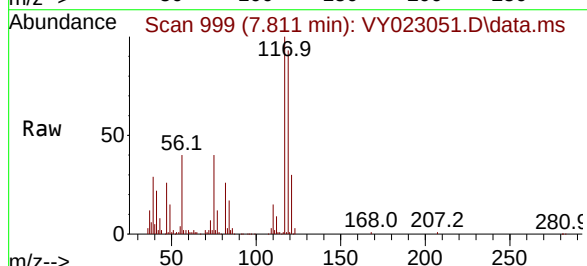
RT: 7.811 min Scan# 999

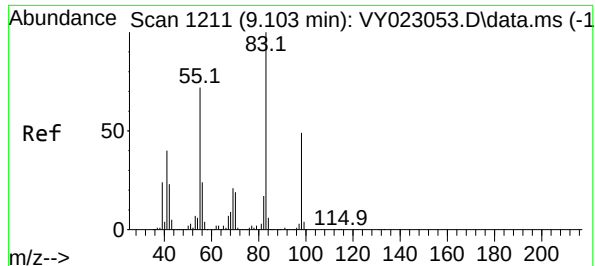
Delta R.T. -0.006 min

Lab File: VY023051.D

Acq: 12 Aug 2025 15:17

Tgt Ion:	117	Resp:	85932
Ion	Ratio	Lower	Upper
117	100		
119	92.5	75.6	113.4
121	30.1	25.8	38.8





#39

Methylcyclohexane

Concen: 9.885 ug/l

RT: 9.103 min Scan# 1211

Delta R.T. 0.000 min

Lab File: VY023051.D

Acq: 12 Aug 2025 15:17

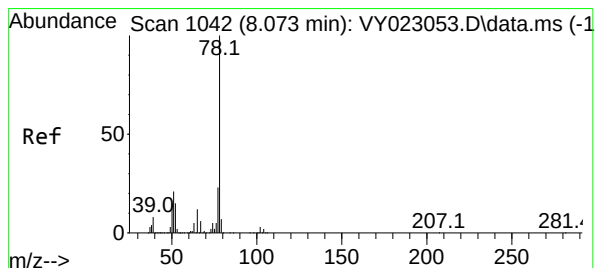
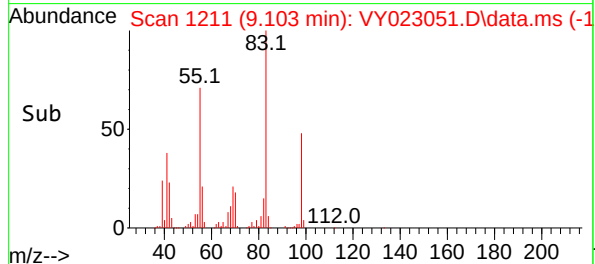
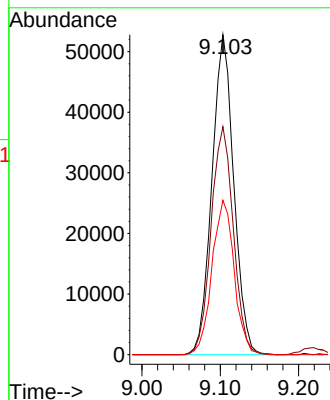
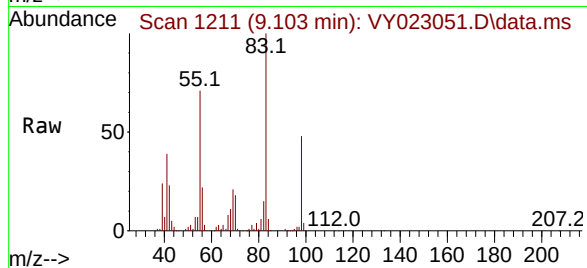
Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tgt Ion:	83	Resp:	102275
Ion	Ratio	Lower	Upper
83	100		
55	71.3	57.6	86.4
98	48.2	39.2	58.8

Manual Integrations
APPROVEDReviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025

#40

Benzene

Concen: 10.037 ug/l

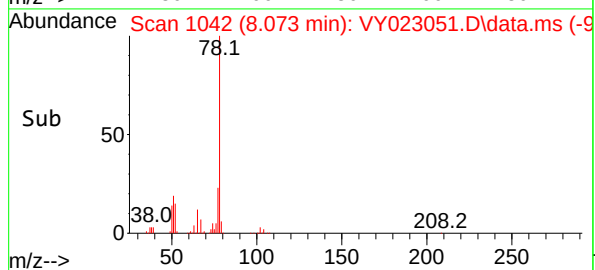
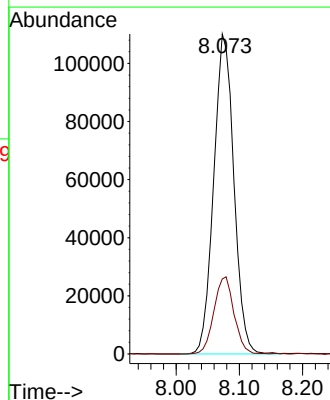
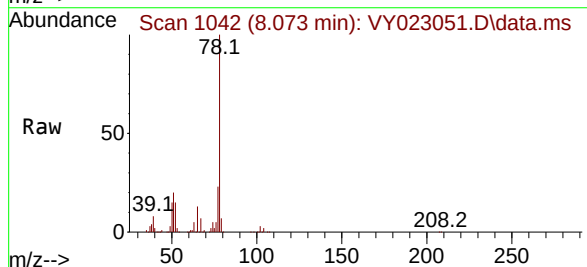
RT: 8.073 min Scan# 1042

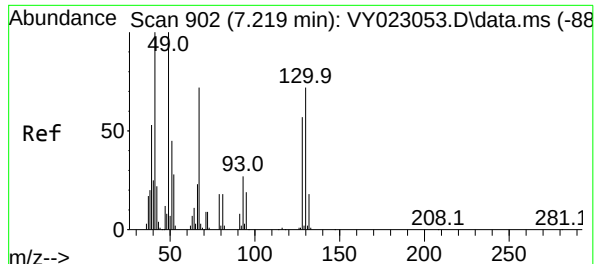
Delta R.T. 0.000 min

Lab File: VY023051.D

Acq: 12 Aug 2025 15:17

Tgt Ion:	78	Resp:	243060
Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.6	28.0





#41

Methacrylonitrile

Concen: 9.872 ug/l

RT: 7.213 min Scan# 902

Delta R.T. -0.006 min

Lab File: VY023051.D

Acq: 12 Aug 2025 15:17

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tgt Ion: 41 Resp: 1882

Ion Ratio Lower Upper

41 100

39 66.1 43.4 65.2

67 88.6 63.6 95.4

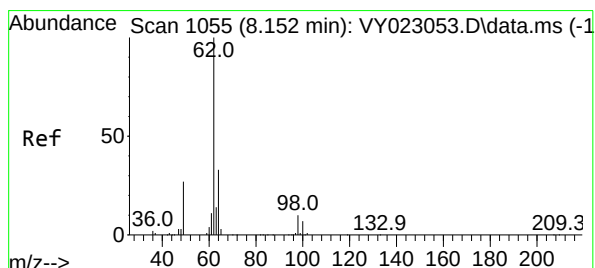
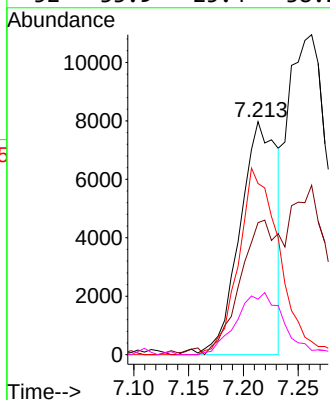
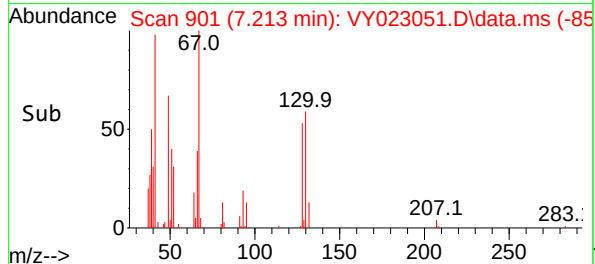
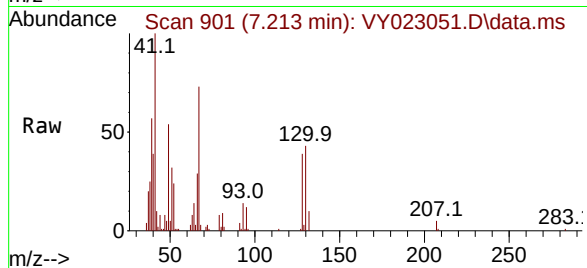
52 33.9 25.4 38.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025

Supervised By :Semsettin Yesilyurt 08/14/2025



#42

1,2-Dichloroethane

Concen: 10.376 ug/l

RT: 8.152 min Scan# 1055

Delta R.T. 0.000 min

Lab File: VY023051.D

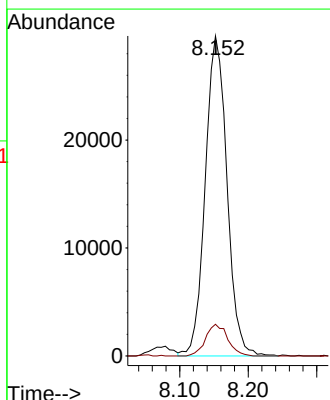
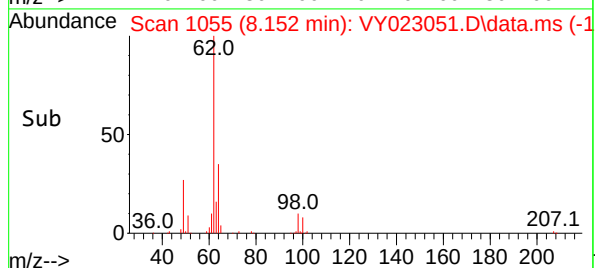
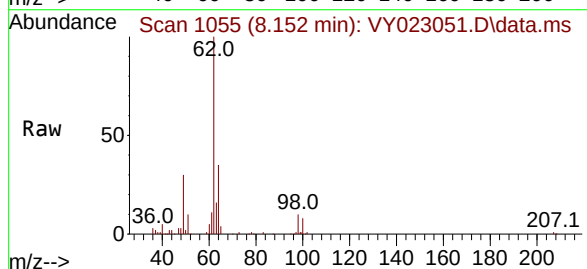
Acq: 12 Aug 2025 15:17

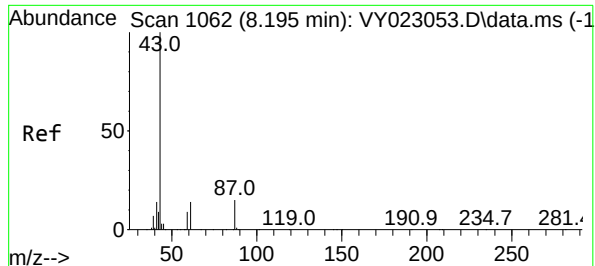
Tgt Ion: 62 Resp: 65350

Ion Ratio Lower Upper

62 100

98 10.1 0.0 20.6





#43

Isopropyl Acetate

Concen: 10.144 ug/l

RT: 8.195 min Scan# 1062

Delta R.T. 0.000 min

Lab File: VY023051.D

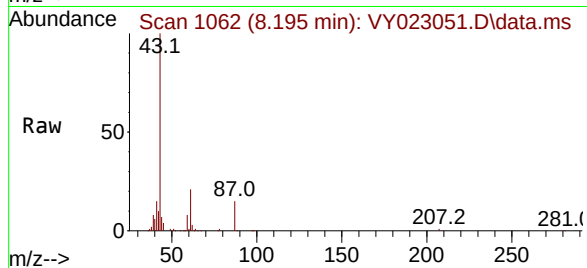
Acq: 12 Aug 2025 15:17

Instrument :

MSVOA_Y

ClientSampleId :

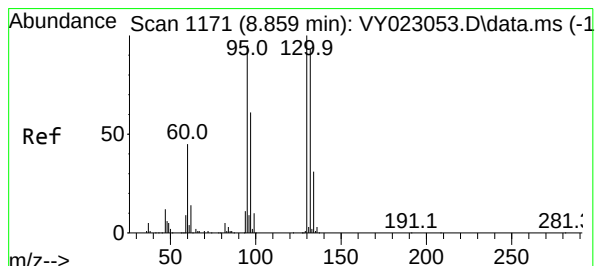
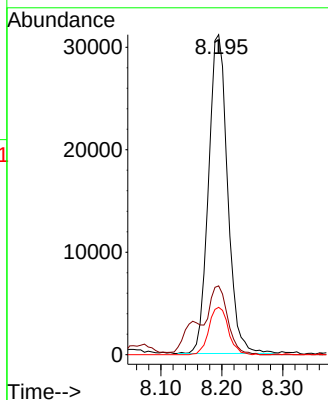
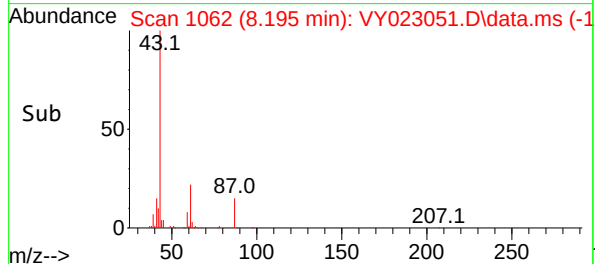
VSTDICC010



Tgt Ion:	43	Resp:	67669
Ion	Ratio	Lower	Upper
43	100		
61	20.8	16.4	24.6
87	15.2	11.8	17.6

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025



#44

Trichloroethene

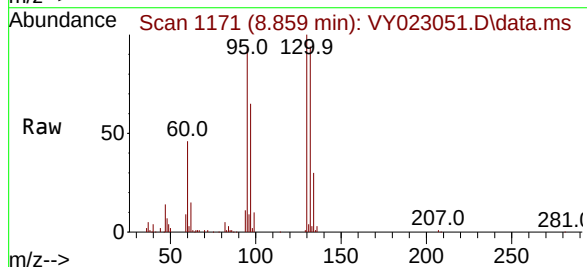
Concen: 10.017 ug/l

RT: 8.859 min Scan# 1171

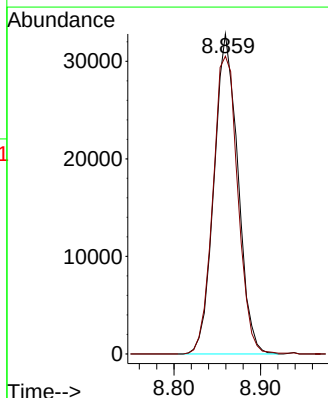
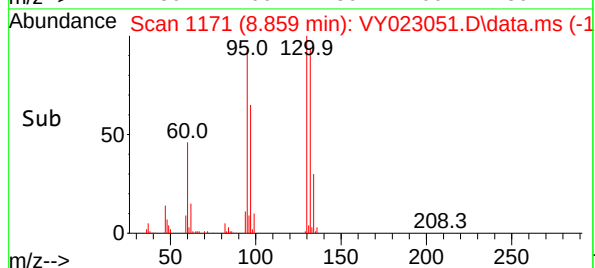
Delta R.T. 0.000 min

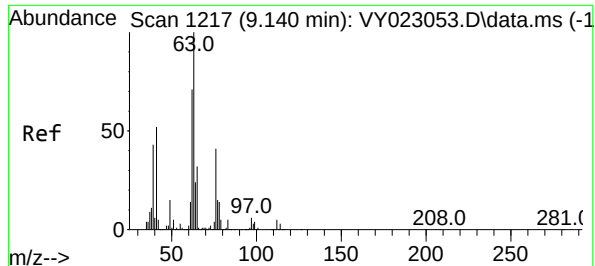
Lab File: VY023051.D

Acq: 12 Aug 2025 15:17



Tgt Ion:	130	Resp:	62689
Ion	Ratio	Lower	Upper
130	100		
95	93.0	0.0	190.2





#45

1,2-Dichloropropane

Concen: 10.179 ug/l

RT: 9.134 min Scan# 1216

Delta R.T. -0.006 min

Lab File: VY023051.D

Acq: 12 Aug 2025 15:17

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tgt Ion: 63 Resp: 56720

Ion Ratio Lower Upper

63 100

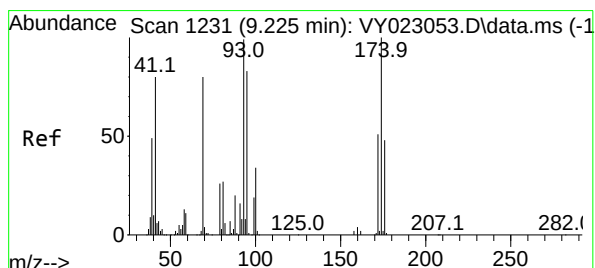
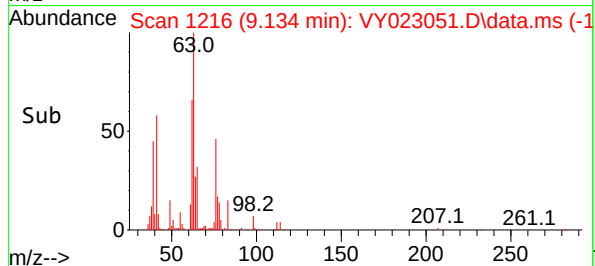
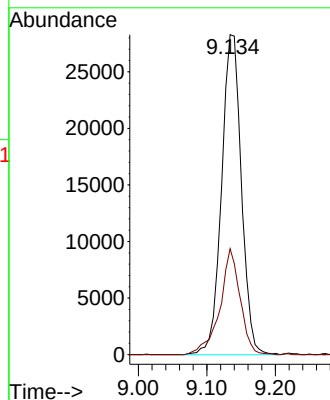
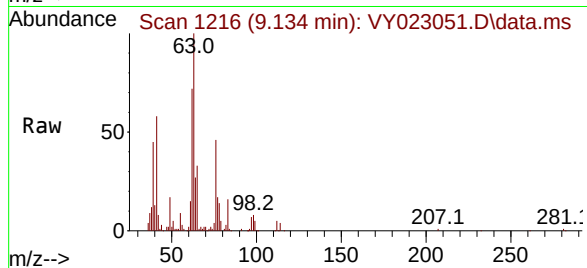
65 33.1 25.3 37.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025

Supervised By :Semsettin Yesilyurt 08/14/2025



#46

Dibromomethane

Concen: 10.462 ug/l

RT: 9.225 min Scan# 1231

Delta R.T. 0.000 min

Lab File: VY023051.D

Acq: 12 Aug 2025 15:17

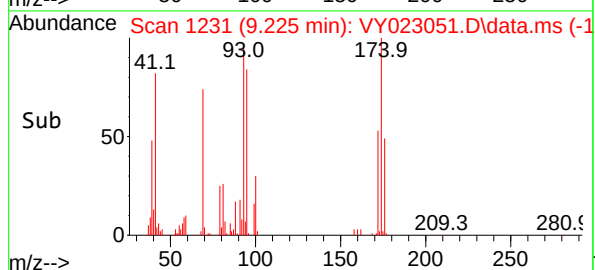
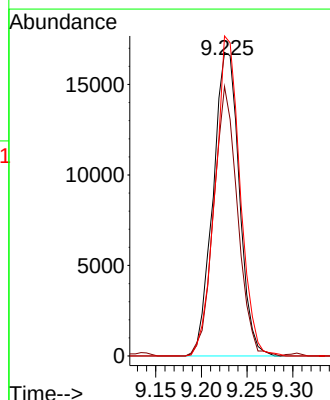
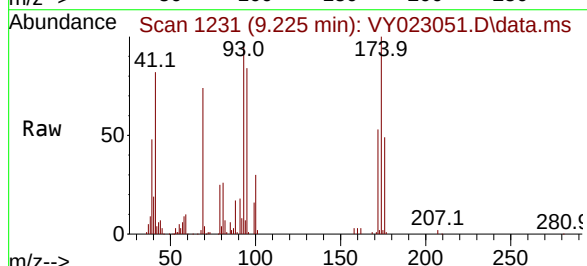
Tgt Ion: 93 Resp: 33460

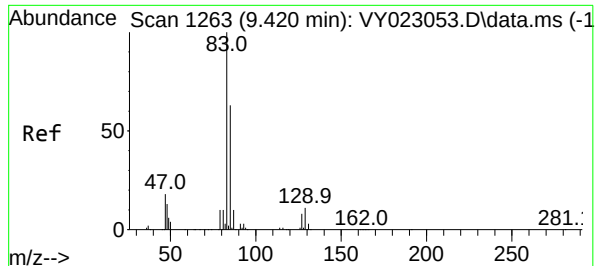
Ion Ratio Lower Upper

93 100

95 80.9 66.5 99.7

174 100.0 81.8 122.8





#47

Bromodichloromethane

Concen: 9.959 ug/l

RT: 9.420 min Scan# 1263

Delta R.T. 0.000 min

Lab File: VY023051.D

Acq: 12 Aug 2025 15:17

Instrument :

MSVOA_Y

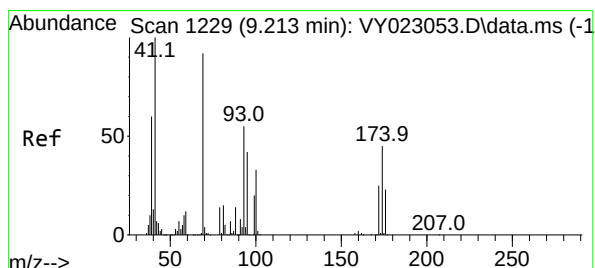
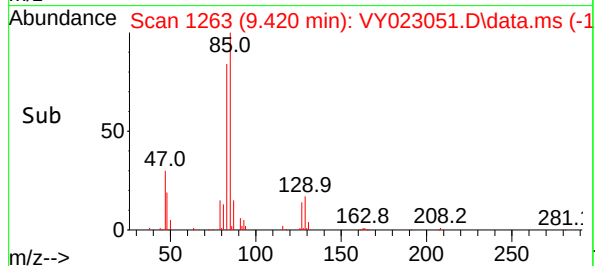
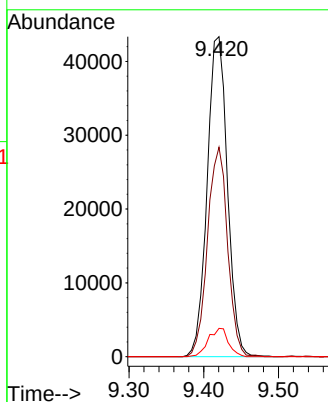
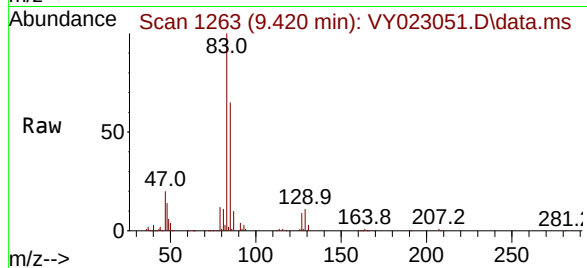
ClientSampleId :

VSTDIC010

Tgt Ion:	83	Resp:	8195
Ion	Ratio	Lower	Upper
83	100		
85	65.5	50.2	75.4
127	8.8	6.6	10.0

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025



#48

Methyl methacrylate

Concen: 9.978 ug/l

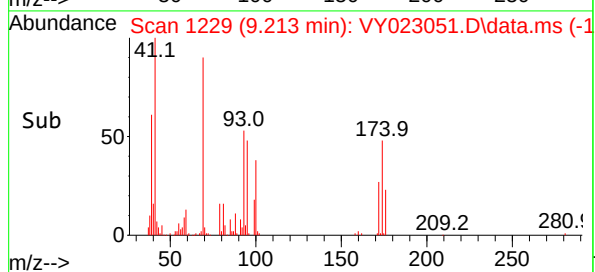
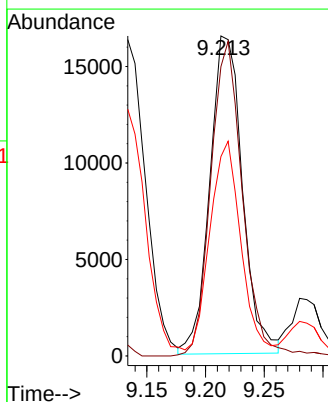
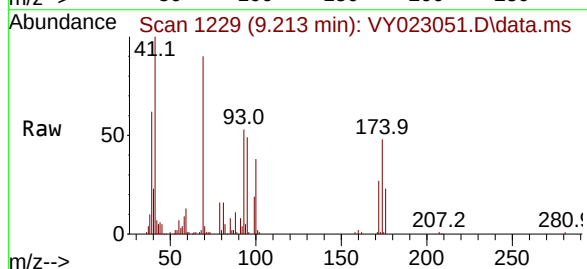
RT: 9.213 min Scan# 1229

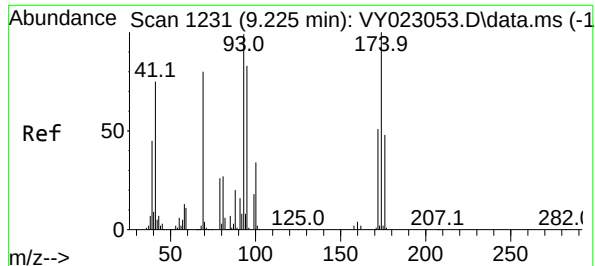
Delta R.T. 0.000 min

Lab File: VY023051.D

Acq: 12 Aug 2025 15:17

Tgt Ion:	41	Resp:	31851
Ion	Ratio	Lower	Upper
41	100		
69	96.0	73.2	109.8
39	60.9	47.0	70.4





#49

1,4-Dioxane

Concen: 205.471 ug/l

RT: 9.231 min Scan# 1231

Delta R.T. 0.006 min

Lab File: VY023051.D

Acq: 12 Aug 2025 15:17

Instrument :

MSVOA_Y

ClientSampleId :

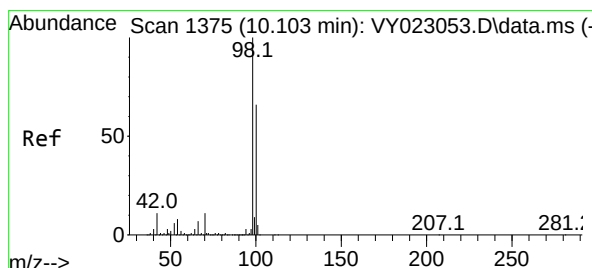
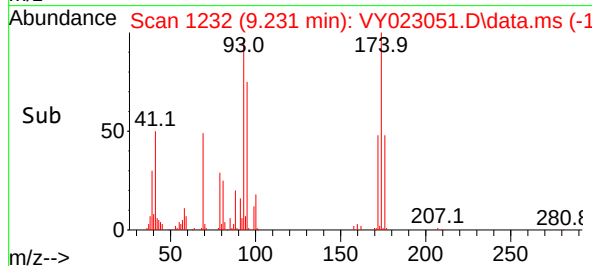
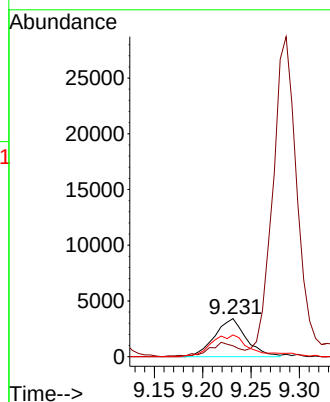
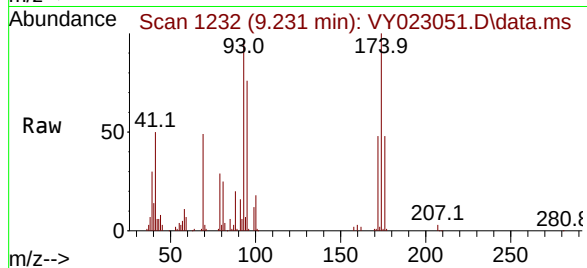
VSTDIC010

Tgt Ion:	88	Resp:	770
Ion	Ratio	Lower	Upper
88	100		
43	35.3	24.3	36.5
58	73.3	55.4	83.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025



#50

Toluene-d8

Concen: 9.903 ug/l

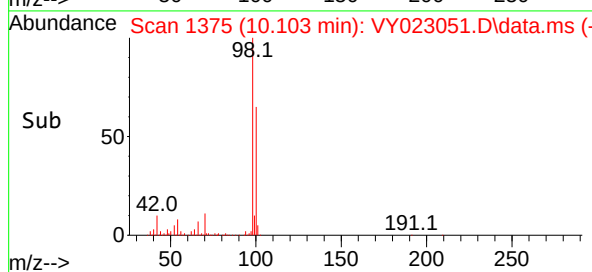
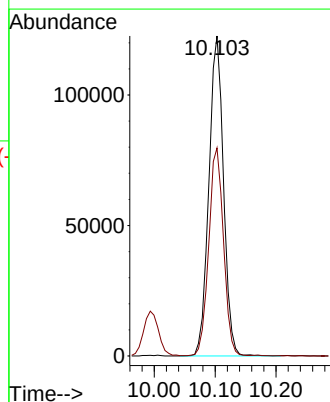
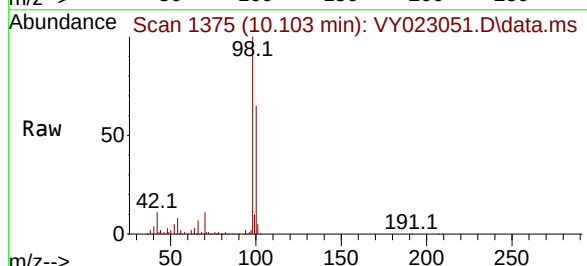
RT: 10.103 min Scan# 1375

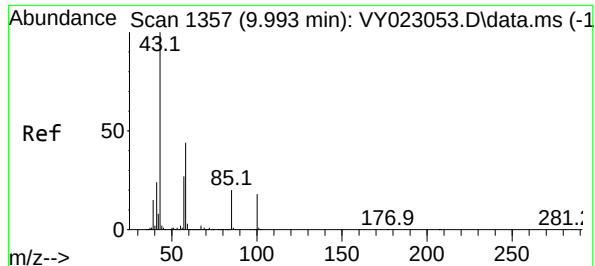
Delta R.T. 0.000 min

Lab File: VY023051.D

Acq: 12 Aug 2025 15:17

Tgt Ion:	98	Resp:	204532
Ion	Ratio	Lower	Upper
98	100		
100	65.2	52.3	78.5





#51

4-Methyl-2-Pentanone

Concen: 51.484 ug/l

RT: 9.993 min Scan# 1357

Delta R.T. 0.000 min

Lab File: VY023051.D

Acq: 12 Aug 2025 15:17

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC010

Tgt Ion: 43 Resp: 17715

Ion Ratio Lower Upper

43 100

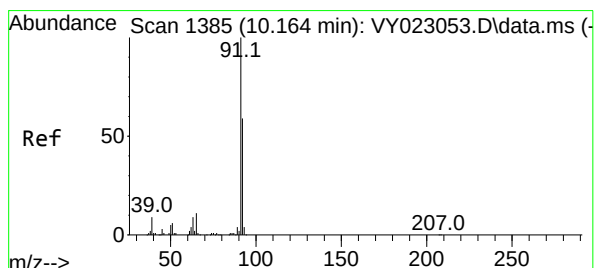
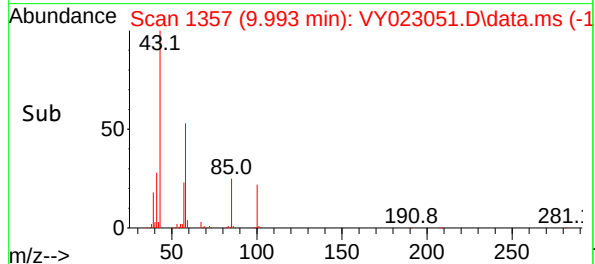
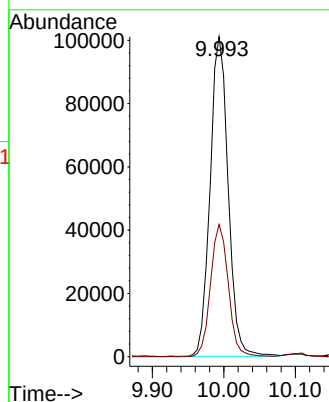
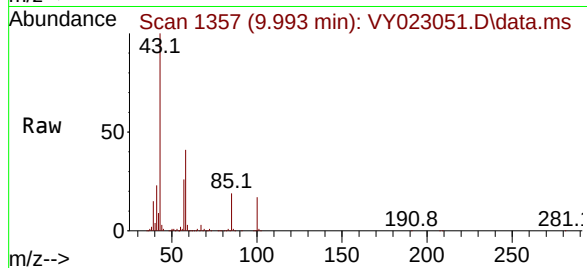
58 40.7 33.5 50.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025

Supervised By :Semsettin Yesilyurt 08/14/2025



#52

Toluene

Concen: 9.780 ug/l

RT: 10.164 min Scan# 1385

Delta R.T. 0.000 min

Lab File: VY023051.D

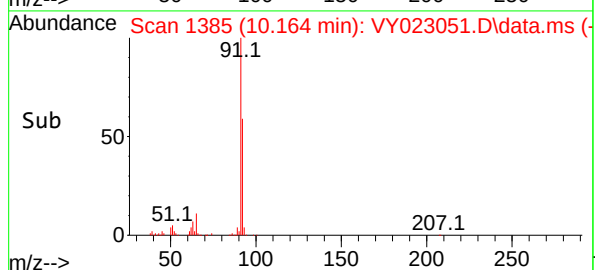
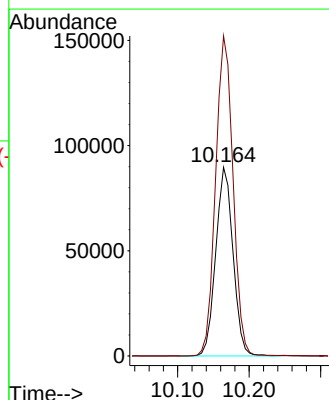
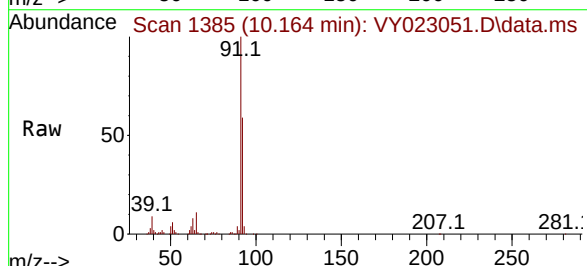
Acq: 12 Aug 2025 15:17

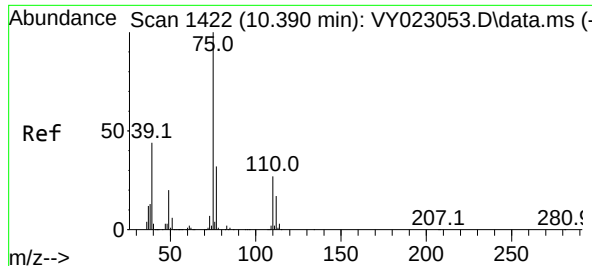
Tgt Ion: 92 Resp: 150422

Ion Ratio Lower Upper

92 100

91 171.3 136.4 204.6





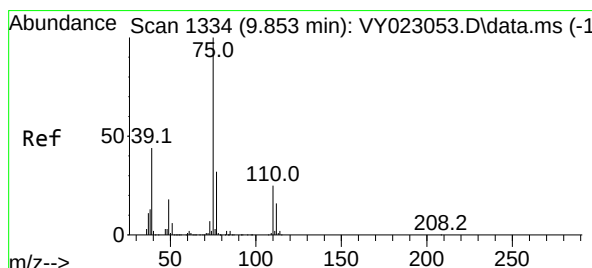
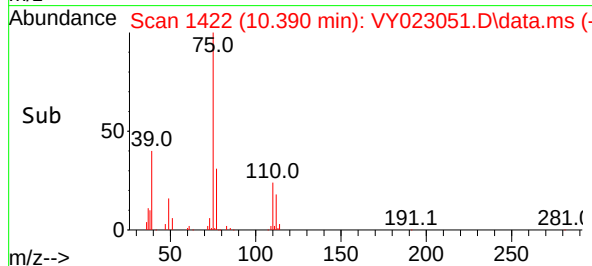
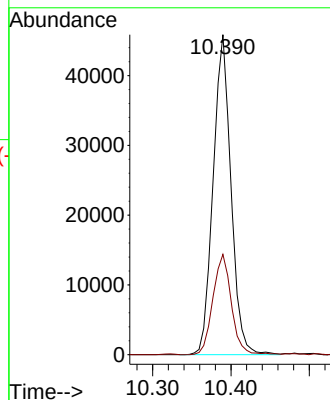
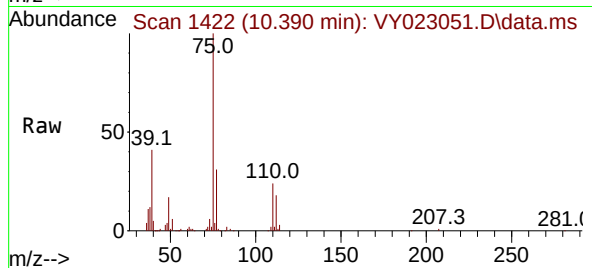
#53
t-1,3-Dichloropropene
Concen: 9.730 ug/l
RT: 10.390 min Scan# 1422
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tgt Ion: 75 Resp: 7250
Ion Ratio Lower Upper
75 100
77 31.4 25.7 38.5

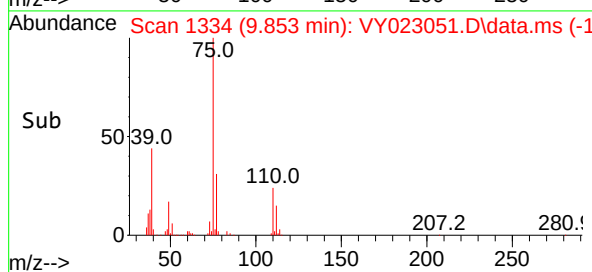
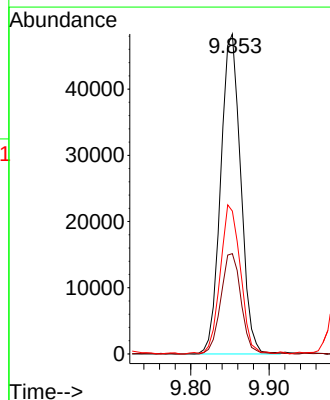
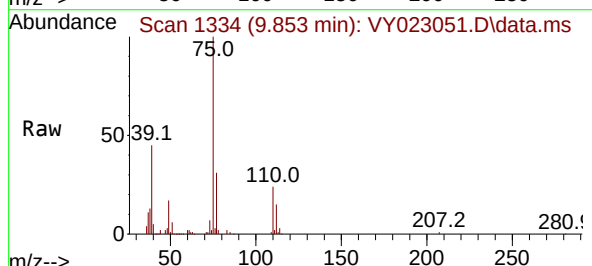
Manual Integrations
APPROVED

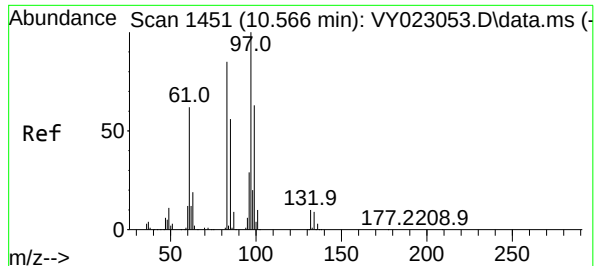
Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025



#54
cis-1,3-Dichloropropene
Concen: 9.753 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

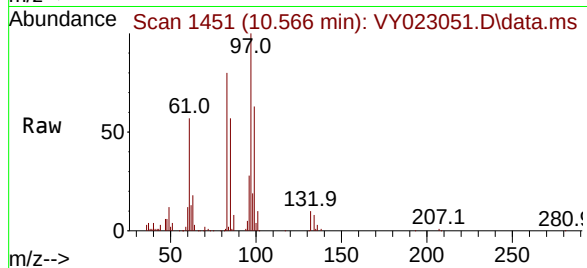
Tgt Ion: 75 Resp: 85945
Ion Ratio Lower Upper
75 100
77 31.4 25.4 38.0
39 44.6 35.6 53.4





#55
1,1,2-Trichloroethane
Concen: 9.981 ug/l
RT: 10.566 min Scan# 1451
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

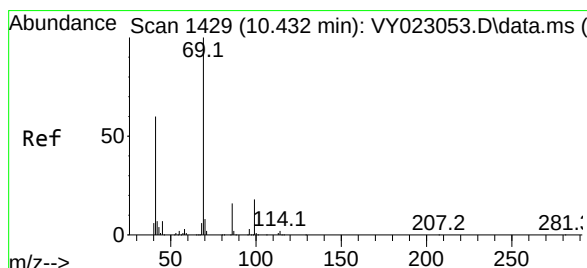
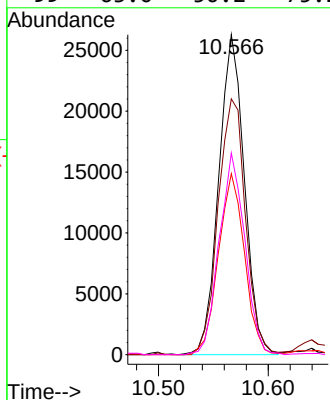
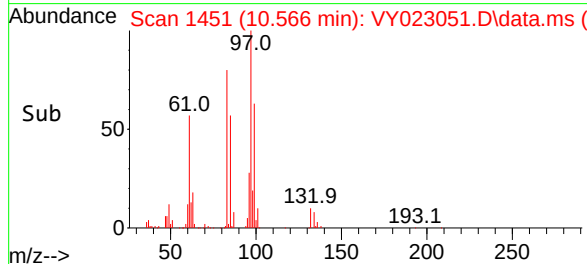
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010



Tgt Ion: 97 Resp: 42712
Ion Ratio Lower Upper
97 100
83 79.9 67.7 101.5
85 56.6 44.5 66.7
99 63.0 50.2 75.2

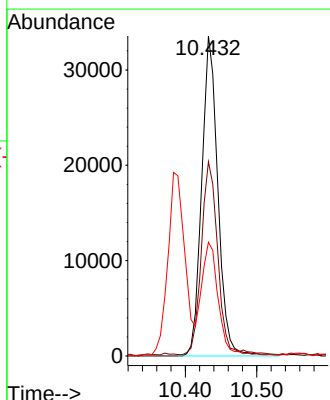
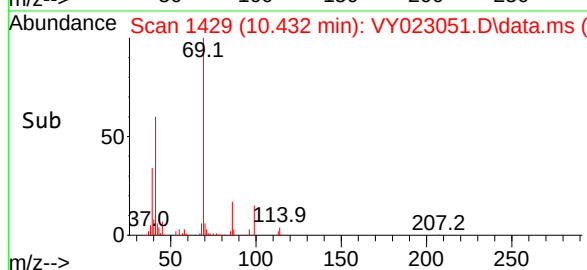
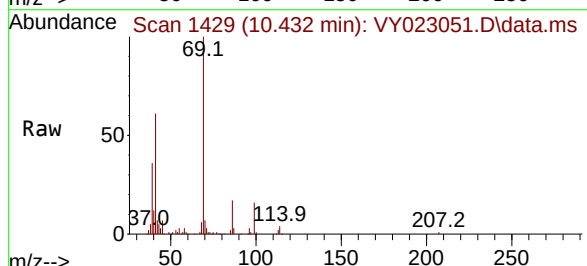
Manual Integrations
APPROVED

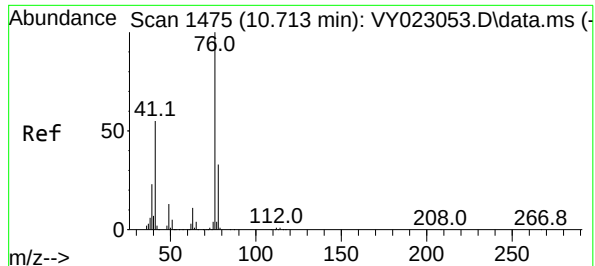
Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025



#56
Ethyl methacrylate
Concen: 9.632 ug/l
RT: 10.432 min Scan# 1429
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion: 69 Resp: 52746
Ion Ratio Lower Upper
69 100
41 61.0 48.6 72.8
39 35.9 27.0 40.4





#57

1,3-Dichloropropane

Concen: 10.256 ug/l

RT: 10.713 min Scan# 1475

Delta R.T. 0.000 min

Lab File: VY023051.D

Acq: 12 Aug 2025 15:17

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tgt Ion: 76 Resp: 7443

Ion Ratio Lower Upper

76 100

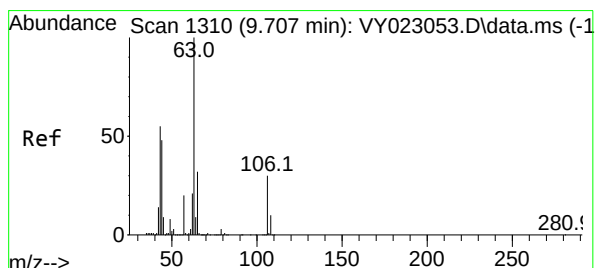
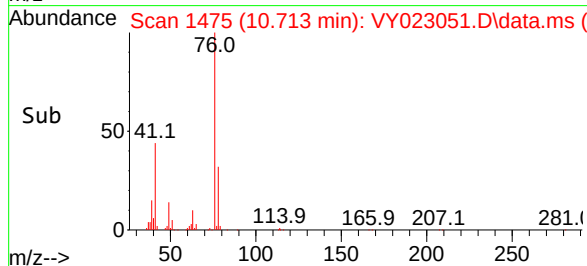
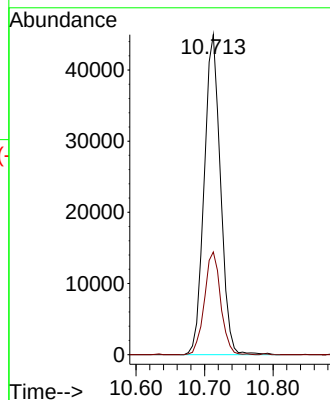
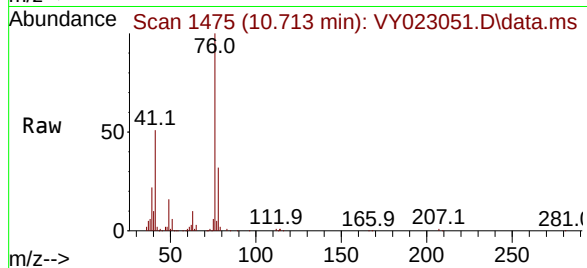
78 32.0 26.0 39.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025

Supervised By :Semsettin Yesilyurt 08/14/2025



#58

2-Chloroethyl Vinyl ether

Concen: 46.232 ug/l

RT: 9.707 min Scan# 1310

Delta R.T. 0.000 min

Lab File: VY023051.D

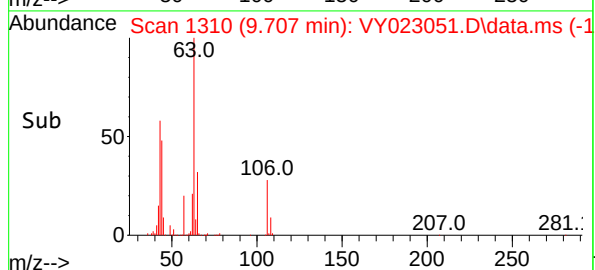
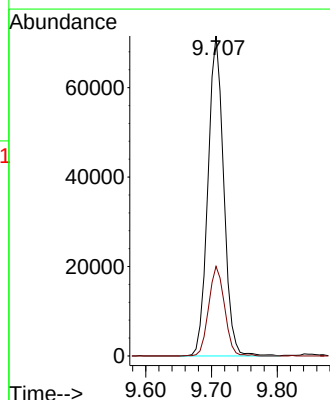
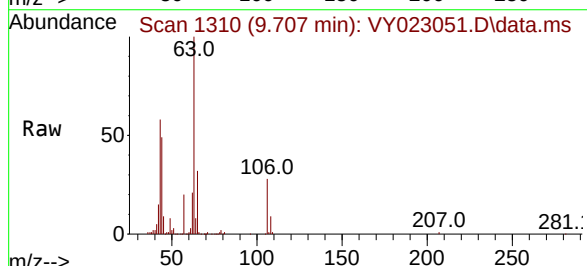
Acq: 12 Aug 2025 15:17

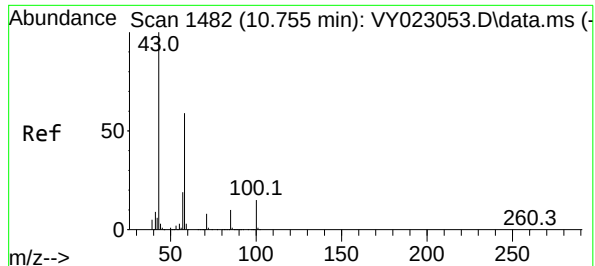
Tgt Ion: 63 Resp: 119417

Ion Ratio Lower Upper

63 100

106 28.2 23.2 34.8





#59

2-Hexanone

Concen: 50.553 ug/l

RT: 10.755 min Scan# 1482

Delta R.T. 0.000 min

Lab File: VY023051.D

Acq: 12 Aug 2025 15:17

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tgt Ion: 43 Resp: 11845

Ion Ratio Lower Upper

43 100

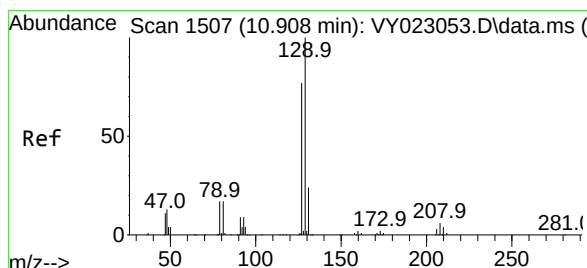
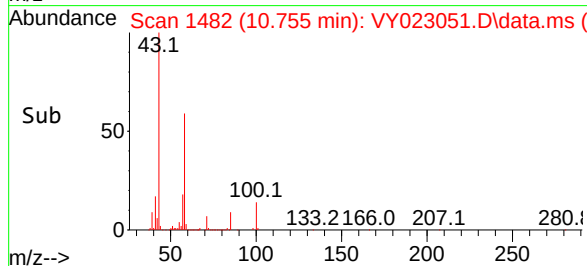
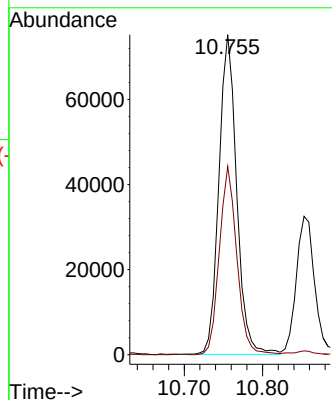
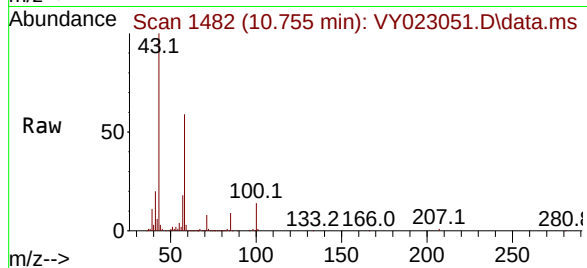
58 58.3 29.5 88.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025

Supervised By :Semsettin Yesilyurt 08/14/2025



#60

Dibromochloromethane

Concen: 9.925 ug/l

RT: 10.902 min Scan# 1506

Delta R.T. -0.006 min

Lab File: VY023051.D

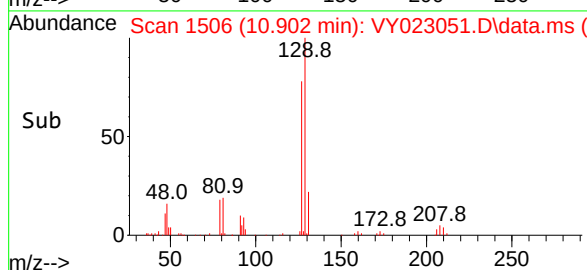
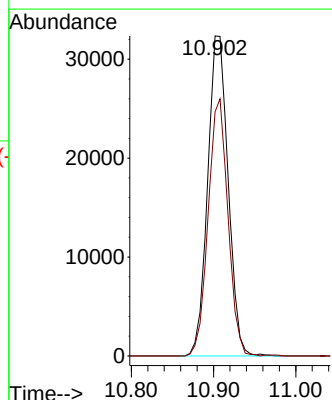
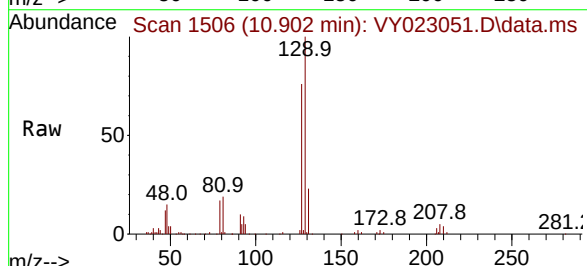
Acq: 12 Aug 2025 15:17

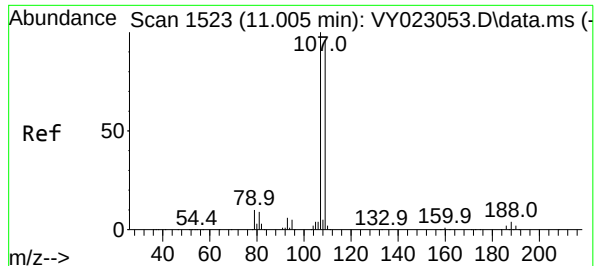
Tgt Ion:129 Resp: 56045

Ion Ratio Lower Upper

129 100

127 77.5 38.5 115.5





#61

1,2-Dibromoethane

Concen: 10.196 ug/l

RT: 11.011 min Scan# 1524

Delta R.T. 0.006 min

Lab File: VY023051.D

Acq: 12 Aug 2025 15:17

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tgt Ion:107 Resp: 41009

Ion Ratio Lower Upper

107 100

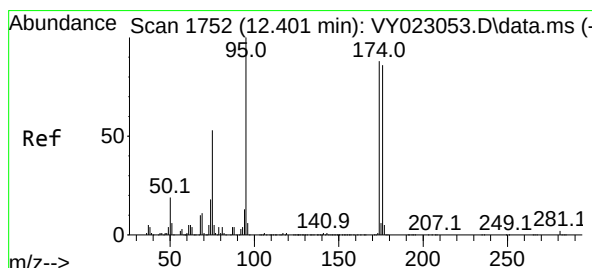
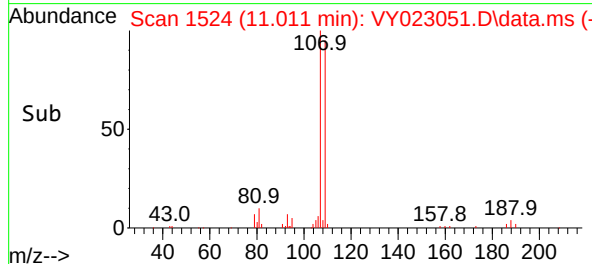
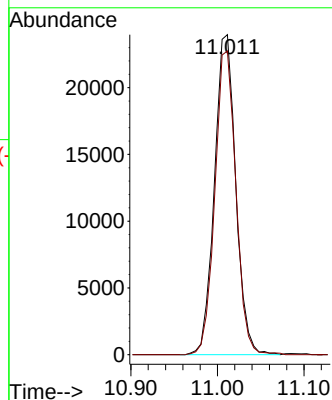
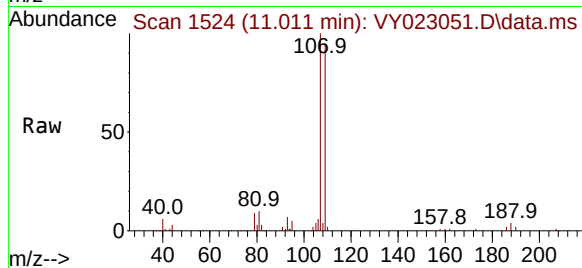
109 93.8 75.6 113.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025

Supervised By :Semsettin Yesilyurt 08/14/2025



#62

4-Bromofluorobenzene

Concen: 9.775 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. 0.000 min

Lab File: VY023051.D

Acq: 12 Aug 2025 15:17

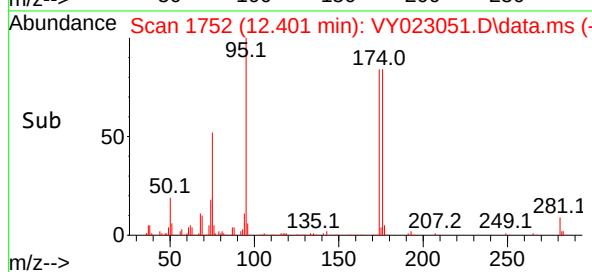
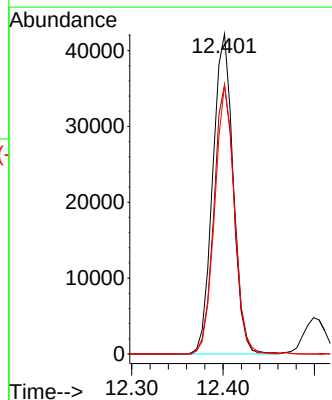
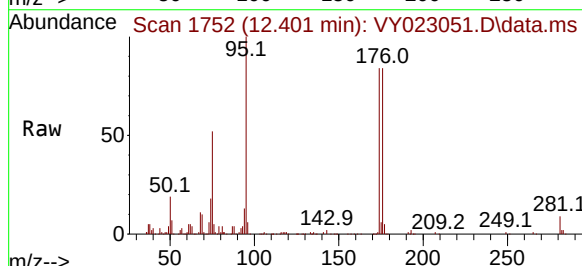
Tgt Ion: 95 Resp: 64927

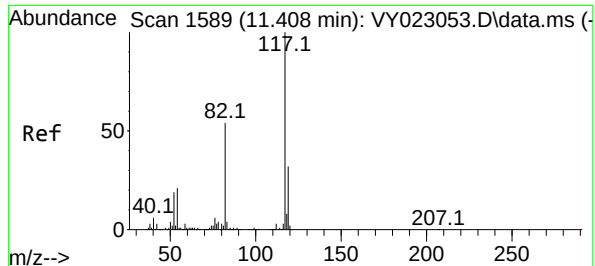
Ion Ratio Lower Upper

95 100

174 84.8 0.0 171.6

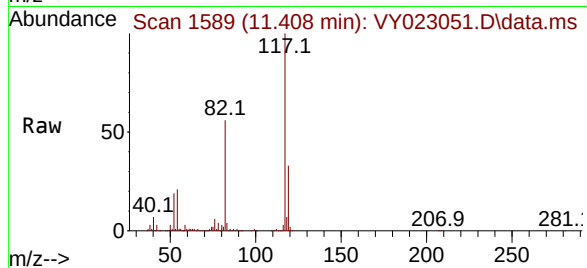
176 81.7 0.0 167.6





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.408 min Scan# 1589
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

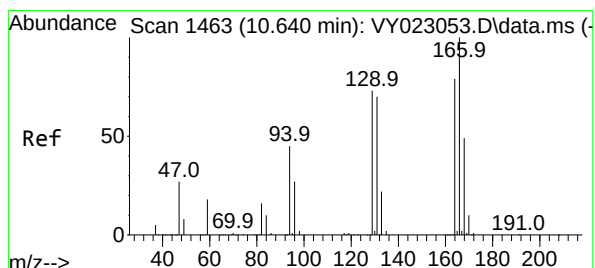
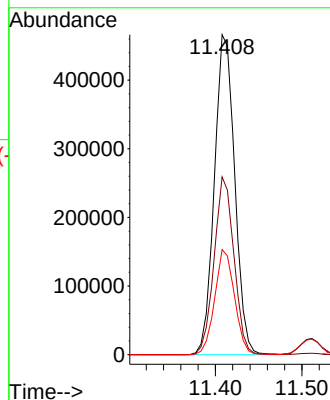
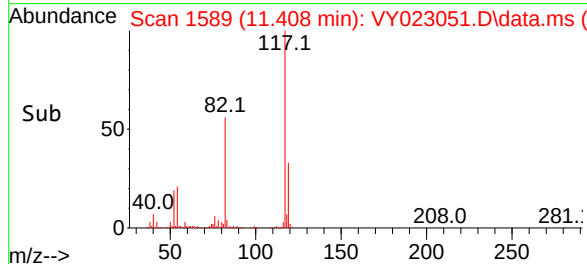
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010



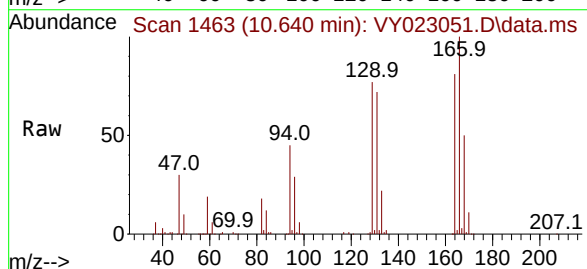
Tgt Ion:117 Resp: 76132
Ion Ratio Lower Upper
117 100
82 55.6 43.4 65.0
119 32.8 25.6 38.4

Manual Integrations
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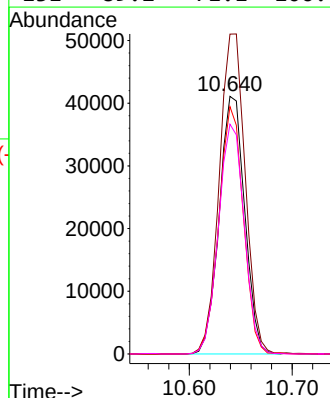
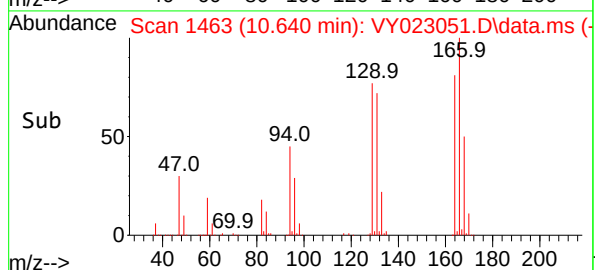
Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025

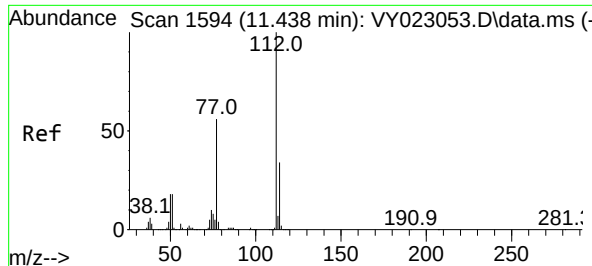


#64
Tetrachloroethene
Concen: 10.371 ug/l
RT: 10.640 min Scan# 1463
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17



Tgt Ion:164 Resp: 70502
Ion Ratio Lower Upper
164 100
166 124.2 101.1 151.7
129 96.0 74.0 111.0
131 89.2 71.1 106.7





#65

Chlorobenzene

Concen: 9.925 ug/l

RT: 11.438 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY023051.D

Acq: 12 Aug 2025 15:17

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC010

Tgt Ion:112 Resp: 16298

Ion Ratio Lower Upper

112 100

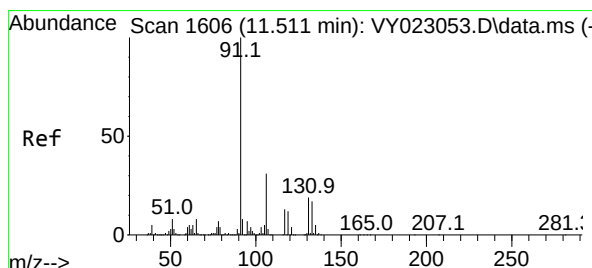
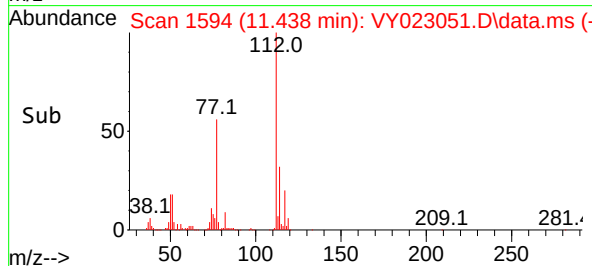
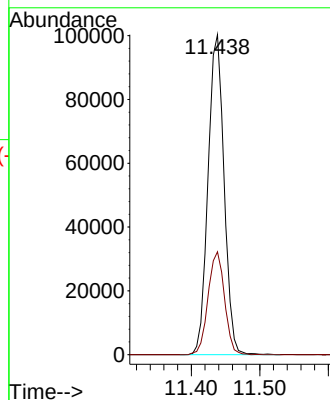
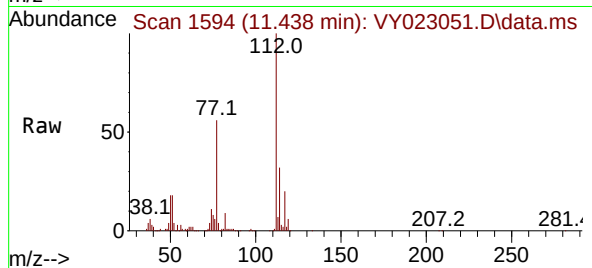
114 32.2 27.0 40.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025

Supervised By :Semsettin Yesilyurt 08/14/2025



#66

1,1,1,2-Tetrachloroethane

Concen: 9.842 ug/l

RT: 11.511 min Scan# 1606

Delta R.T. 0.000 min

Lab File: VY023051.D

Acq: 12 Aug 2025 15:17

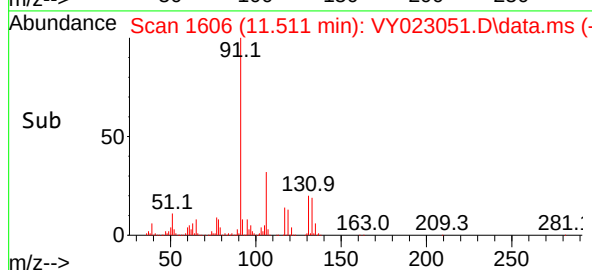
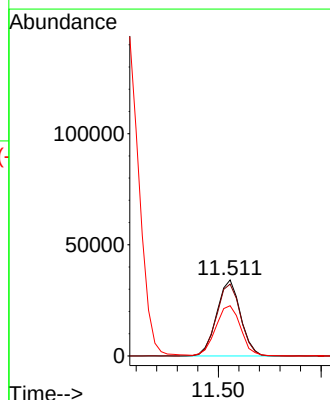
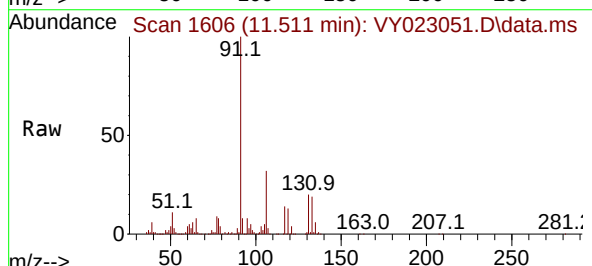
Tgt Ion:131 Resp: 54856

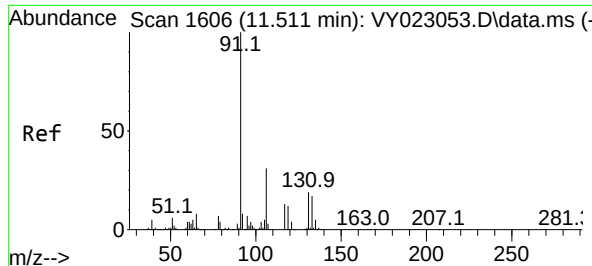
Ion Ratio Lower Upper

131 100

133 96.5 46.9 140.6

119 69.8 33.2 99.6





#67

Ethyl Benzene

Concen: 9.670 ug/l

RT: 11.511 min Scan# 1606

Delta R.T. 0.000 min

Lab File: VY023051.D

Acq: 12 Aug 2025 15:17

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC010

Tgt Ion: 91 Resp: 27328

Ion Ratio Lower Upper

91 100

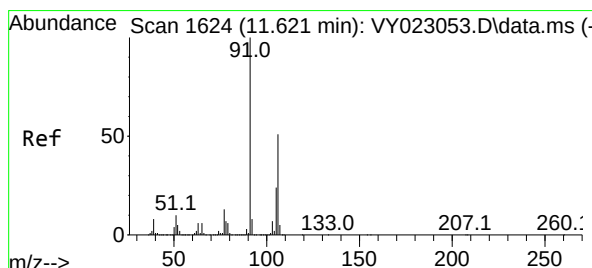
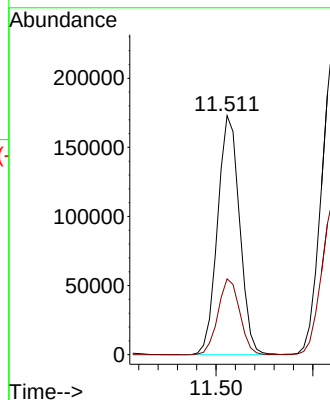
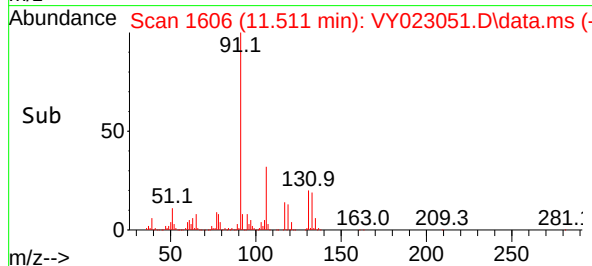
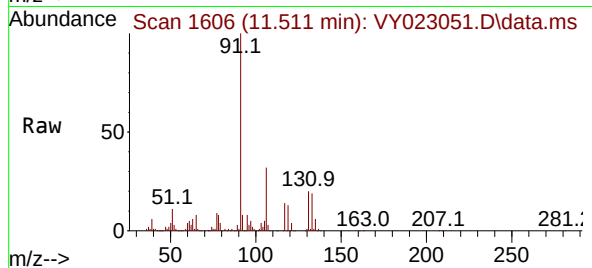
106 31.8 25.0 37.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025

Supervised By :Semsettin Yesilyurt 08/14/2025



#68

m/p-Xylenes

Concen: 19.277 ug/l

RT: 11.621 min Scan# 1624

Delta R.T. 0.000 min

Lab File: VY023051.D

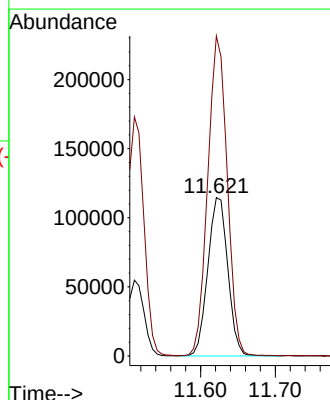
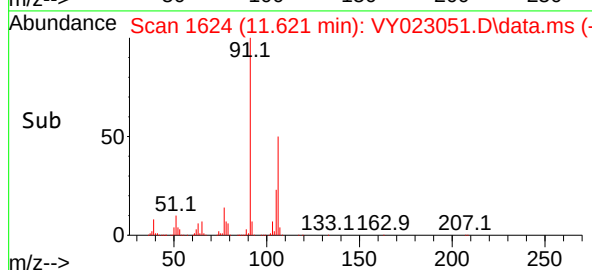
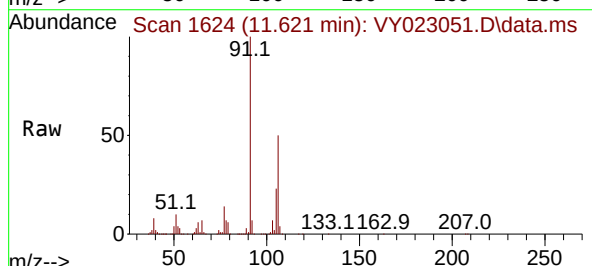
Acq: 12 Aug 2025 15:17

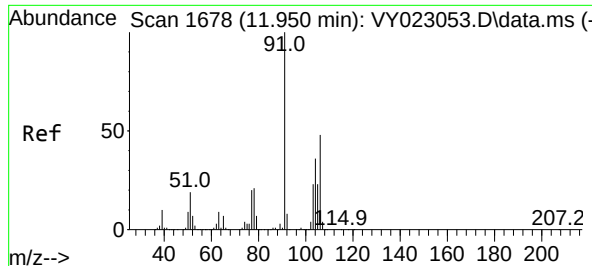
Tgt Ion:106 Resp: 212766

Ion Ratio Lower Upper

106 100

91 196.5 158.6 238.0





#69

o-Xylene

Concen: 9.465 ug/l

RT: 11.950 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY023051.D

Acq: 12 Aug 2025 15:17

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tgt Ion:106 Resp: 9784

Ion Ratio Lower Upper

106 100

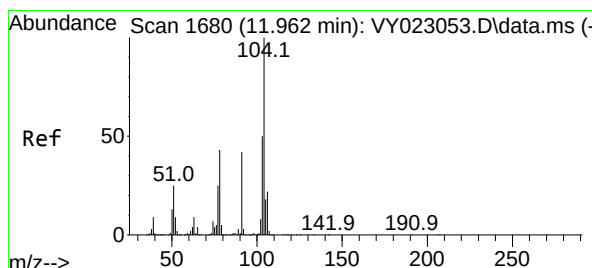
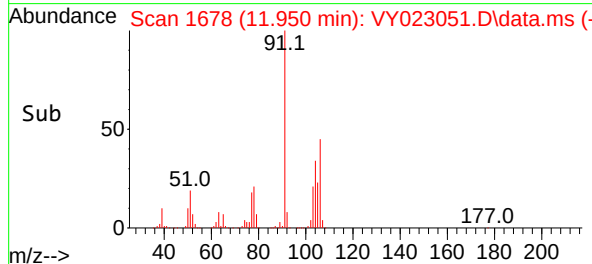
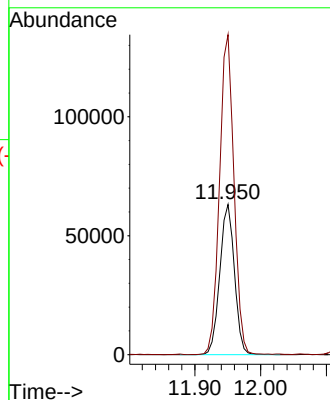
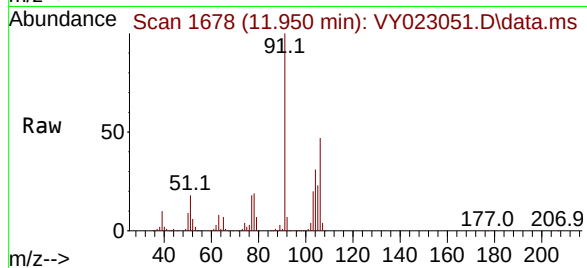
91 210.2 103.2 309.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025

Supervised By :Semsettin Yesilyurt 08/14/2025



#70

Styrene

Concen: 9.216 ug/l

RT: 11.963 min Scan# 1680

Delta R.T. 0.000 min

Lab File: VY023051.D

Acq: 12 Aug 2025 15:17

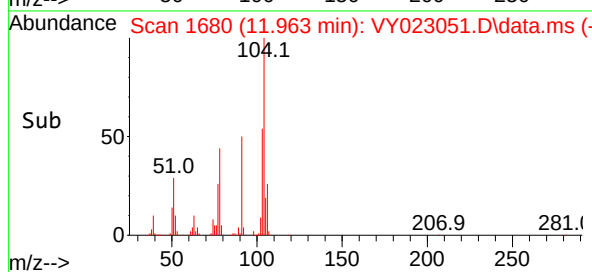
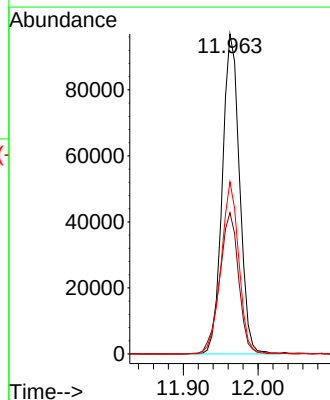
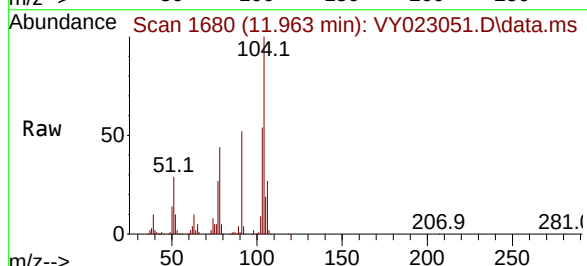
Tgt Ion:104 Resp: 155809

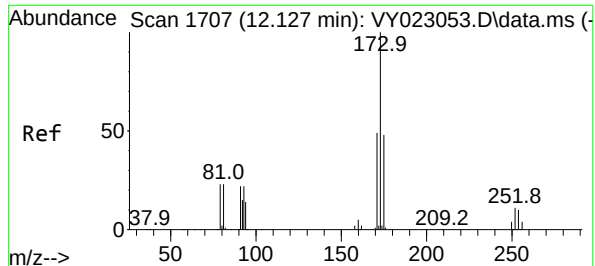
Ion Ratio Lower Upper

104 100

78 48.8 38.5 57.7

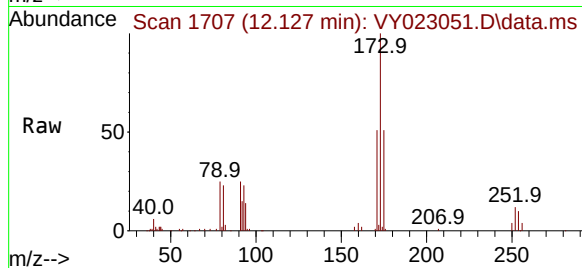
103 55.6 43.7 65.5





#71
Bromoform
Concen: 9.968 ug/l
RT: 12.127 min Scan# 1707
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

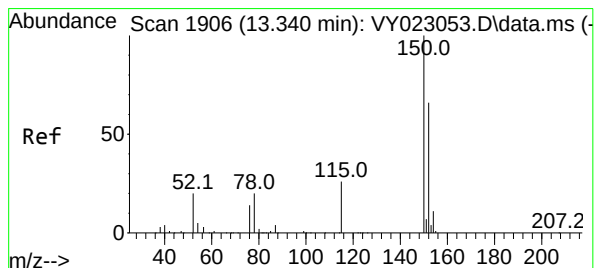
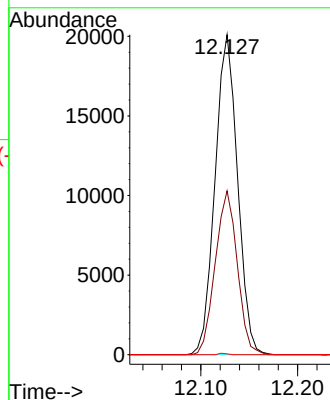
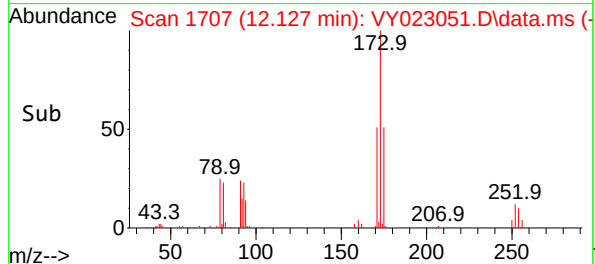
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010



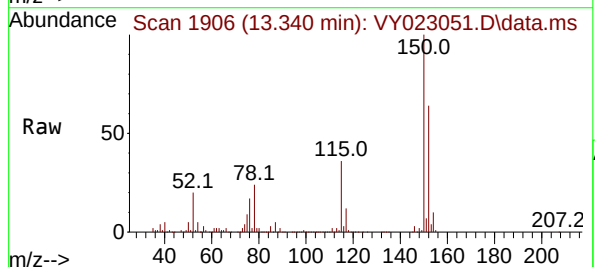
Tgt Ion:173 Resp: 32470
Ion Ratio Lower Upper
173 100
175 50.0 23.9 71.7
254 0.2 0.1 0.1

Manual Integrations
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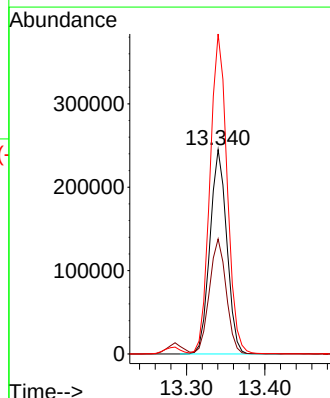
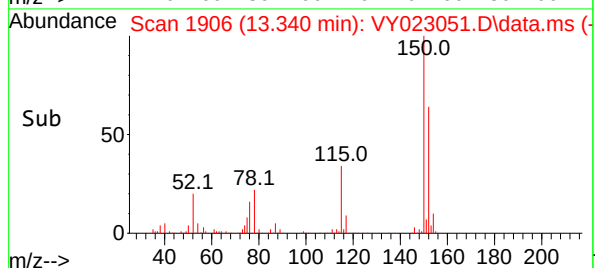
Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025

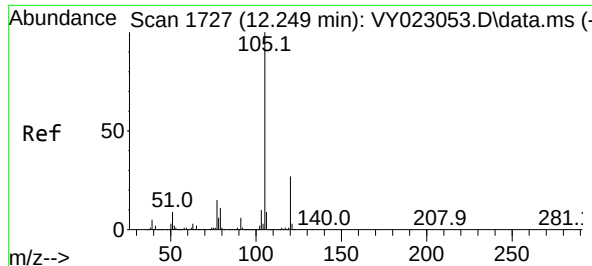


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.340 min Scan# 1906
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17



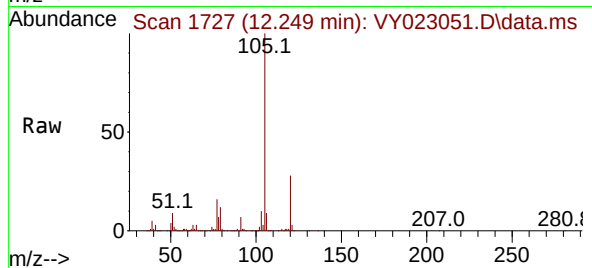
Tgt Ion:152 Resp: 365647
Ion Ratio Lower Upper
152 100
115 56.0 28.2 84.6
150 159.7 0.0 348.0





#73
Isopropylbenzene
Concen: 9.871 ug/l
RT: 12.249 min Scan# 1727
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

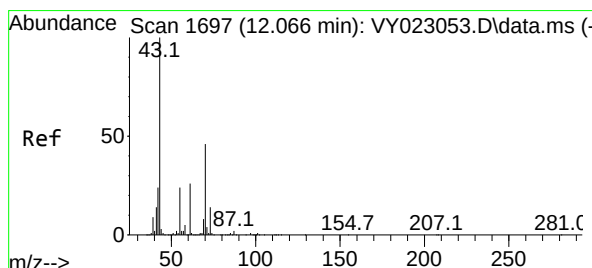
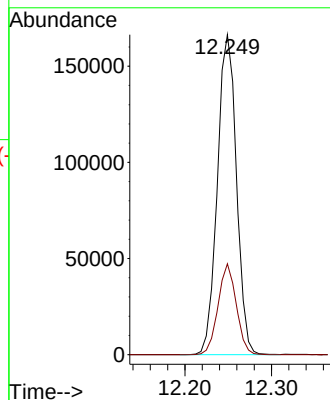
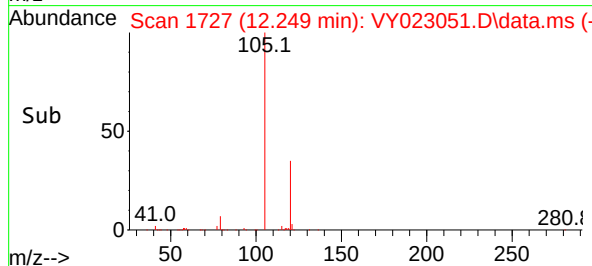
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010



Tgt Ion:105 Resp: 254749
Ion Ratio Lower Upper
105 100
120 27.1 13.4 40.2

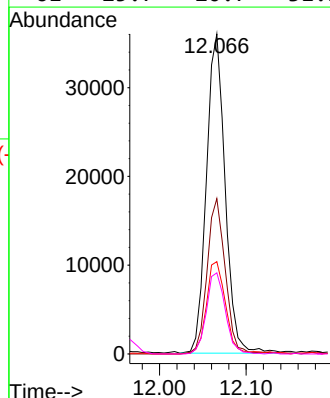
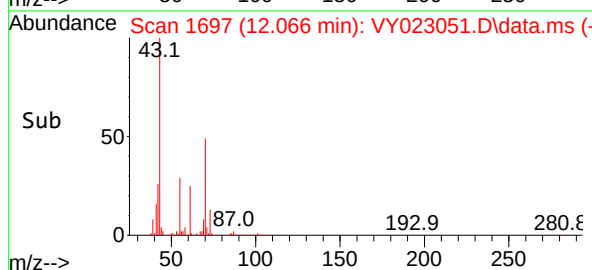
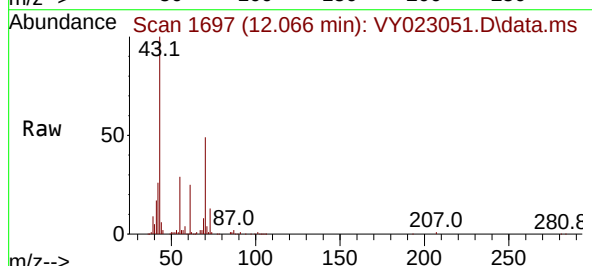
Manual Integrations
APPROVED

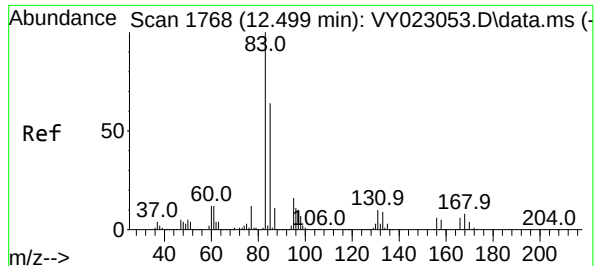
Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025



#74
N-ethyl acetate
Concen: 9.857 ug/l
RT: 12.066 min Scan# 1697
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

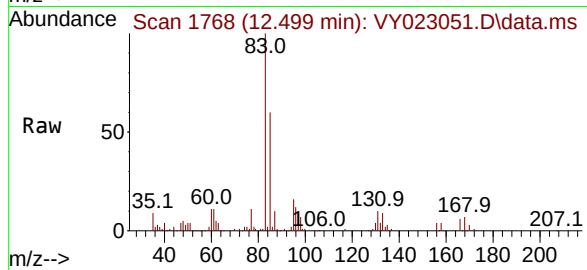
Tgt Ion: 43 Resp: 53943
Ion Ratio Lower Upper
43 100
70 47.0 37.5 56.3
55 30.2 20.7 31.1
61 25.7 20.7 31.1





#75
1,1,2,2-Tetrachloroethane
Concen: 10.735 ug/l
RT: 12.499 min Scan# 1768
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

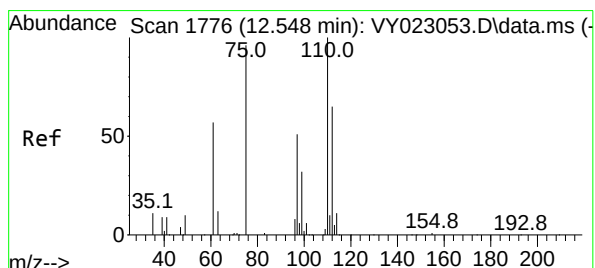
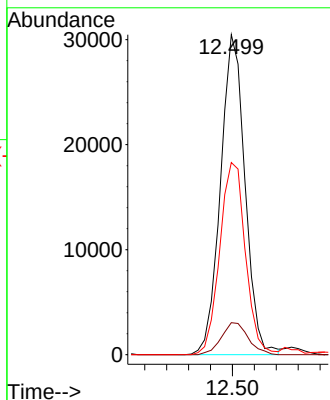
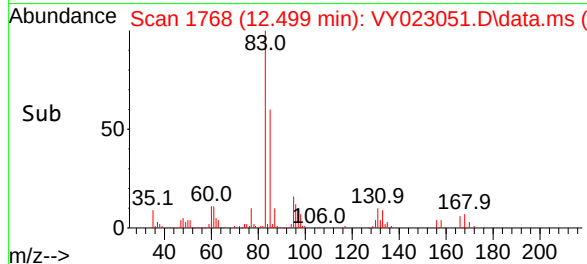
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010



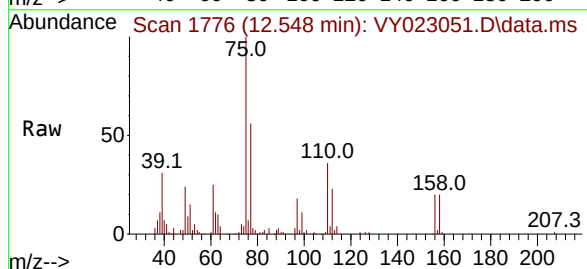
Tgt Ion: 83 Resp: 47304
Ion Ratio Lower Upper
83 100
131 11.0 5.1 15.3
85 62.9 31.8 95.3

Manual Integrations
APPROVED

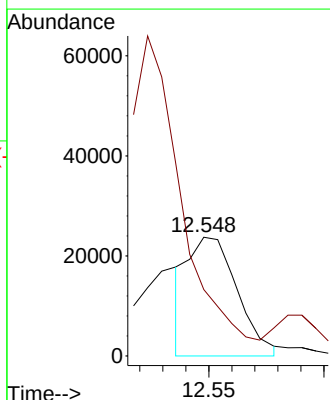
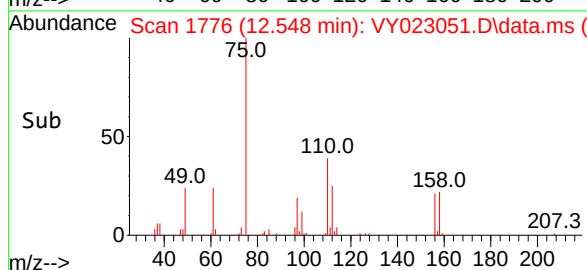
Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025

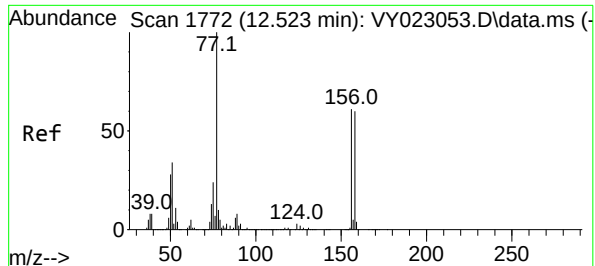


#76
1,2,3-Trichloropropane
Concen: 10.012 ug/l m
RT: 12.548 min Scan# 1776
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17



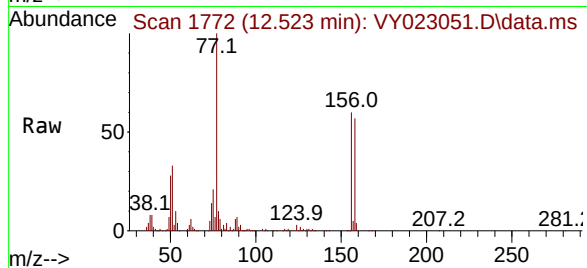
Tgt Ion: 75 Resp: 35353
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0





#77
Bromobenzene
Concen: 9.864 ug/l
RT: 12.523 min Scan# 1772
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

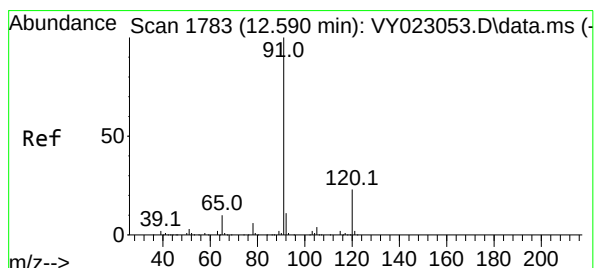
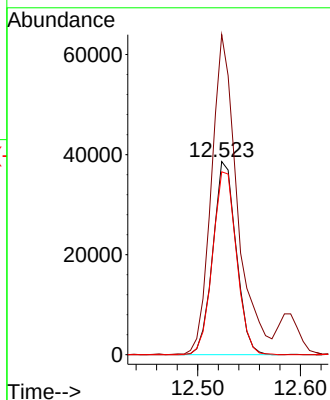
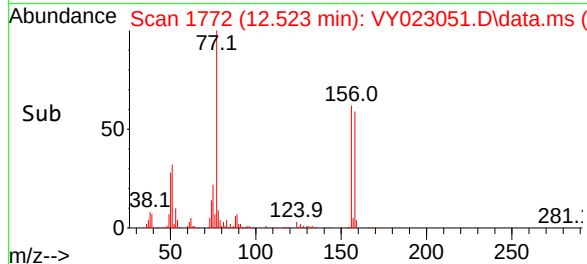
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010



Tgt Ion:156 Resp: 60728
Ion Ratio Lower Upper
156 100
77 184.8 88.1 264.4
158 97.2 48.0 144.0

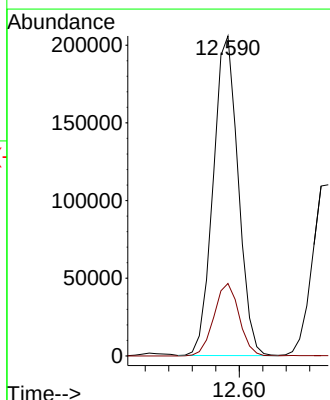
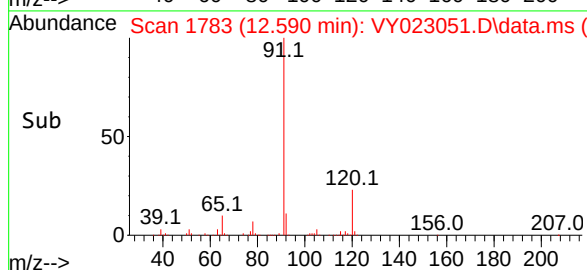
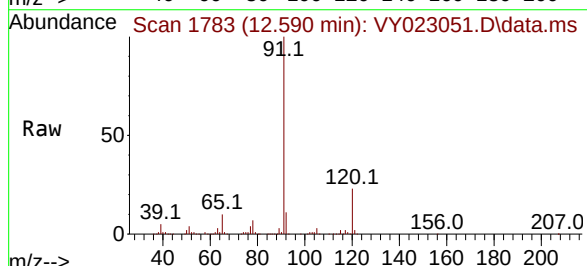
Manual Integrations
APPROVED

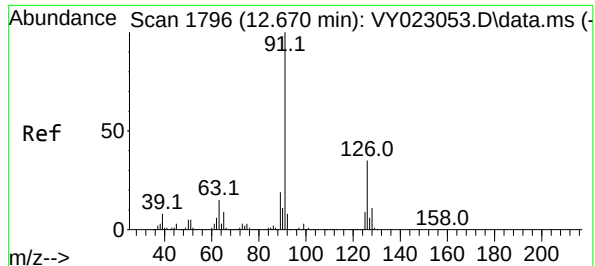
Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025



#78
n-propylbenzene
Concen: 9.876 ug/l
RT: 12.590 min Scan# 1783
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion: 91 Resp: 303440
Ion Ratio Lower Upper
91 100
120 22.9 11.5 34.5





#79

2-Chlorotoluene

Concen: 9.962 ug/l

RT: 12.676 min Scan# 1796

Delta R.T. 0.006 min

Lab File: VY023051.D

Acq: 12 Aug 2025 15:17

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tgt Ion: 91 Resp: 175364

Ion Ratio Lower Upper

91 100

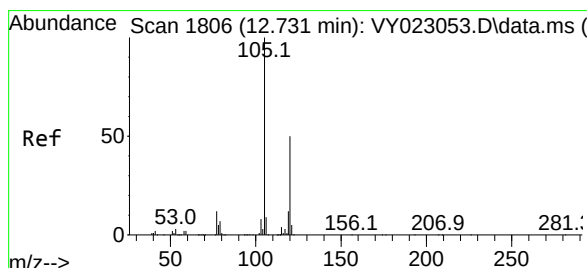
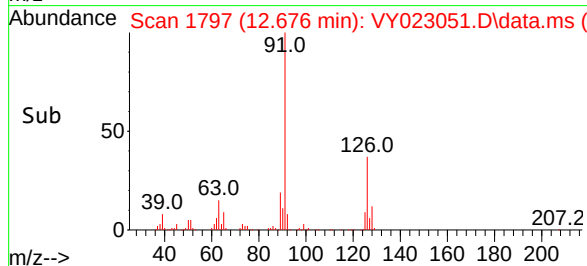
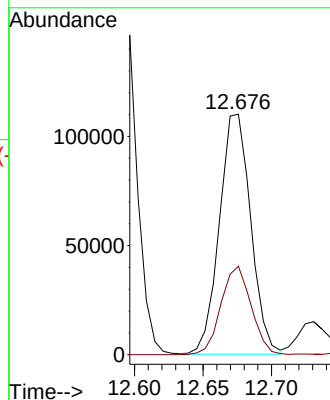
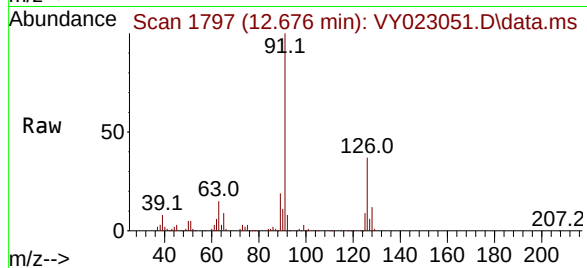
126 35.6 17.4 52.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025

Supervised By :Semsettin Yesilyurt 08/14/2025



#80

1,3,5-Trimethylbenzene

Concen: 9.855 ug/l

RT: 12.731 min Scan# 1806

Delta R.T. 0.000 min

Lab File: VY023051.D

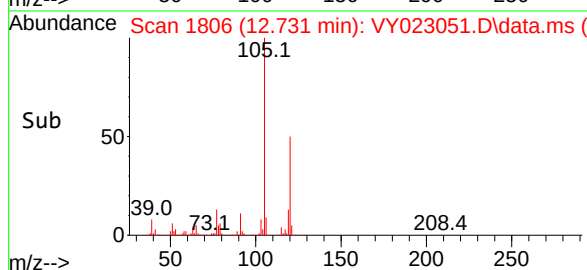
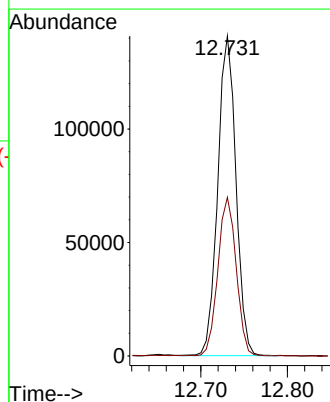
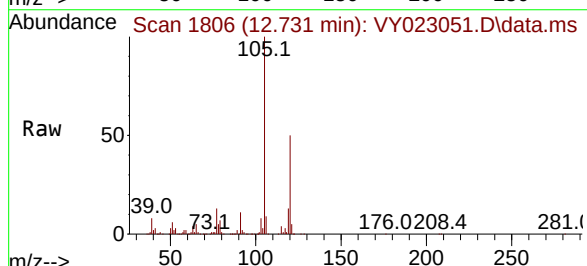
Acq: 12 Aug 2025 15:17

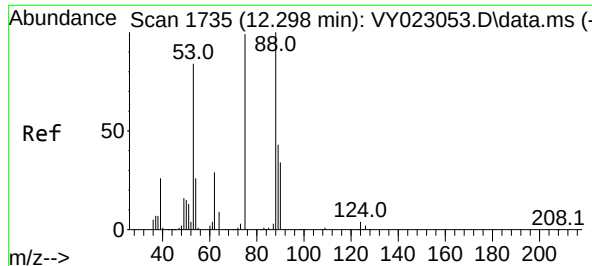
Tgt Ion:105 Resp: 205544

Ion Ratio Lower Upper

105 100

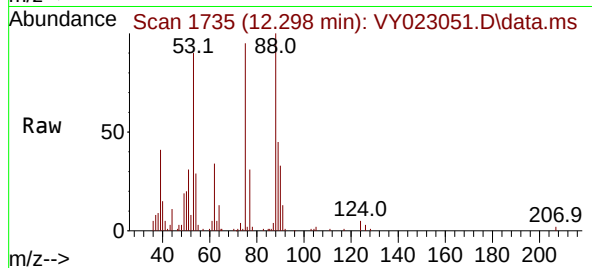
120 49.8 24.8 74.4





#81
trans-1,4-Dichloro-2-butene
Concen: 10.780 ug/l
RT: 12.298 min Scan# 1735
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

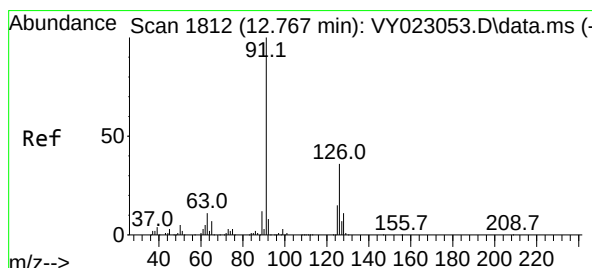
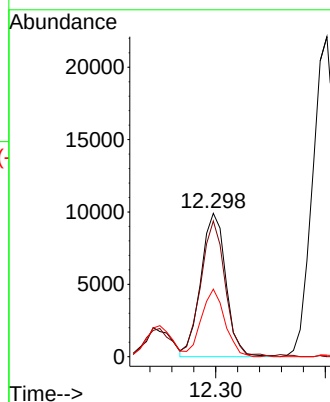
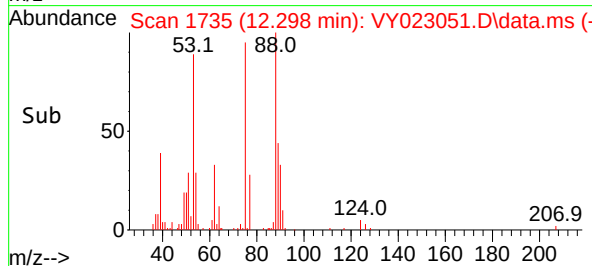
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010



Tgt Ion: 75 Resp: 1571
Ion Ratio Lower Upper
75 100
53 91.4 70.8 106.2
89 44.0 38.1 57.1

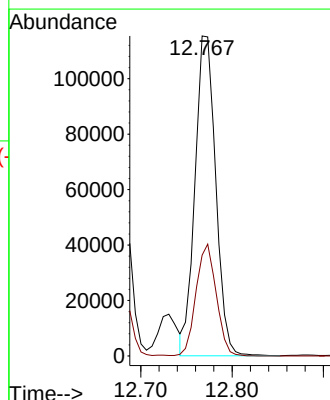
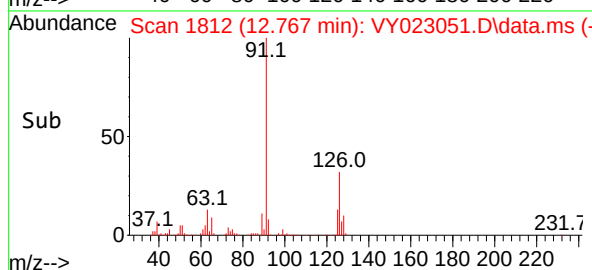
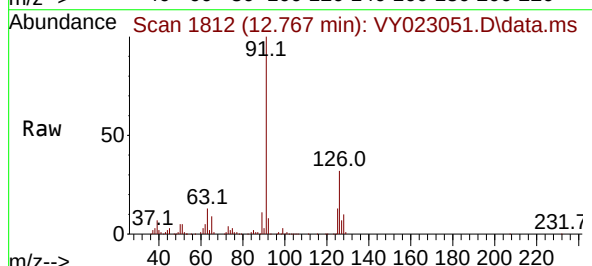
Manual Integrations
APPROVED

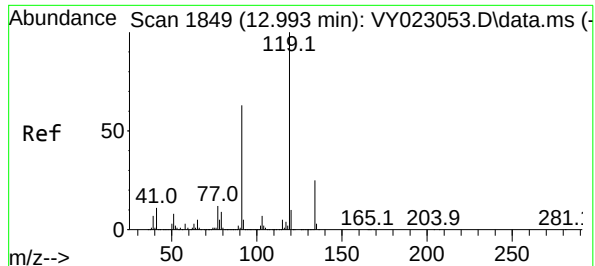
Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025



#82
4-Chlorotoluene
Concen: 9.956 ug/l
RT: 12.767 min Scan# 1812
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion: 91 Resp: 181812
Ion Ratio Lower Upper
91 100
126 34.1 17.3 52.0





#83

tert-Butylbenzene

Concen: 9.630 ug/l

RT: 12.993 min Scan# 1849

Delta R.T. 0.000 min

Lab File: VY023051.D

Acq: 12 Aug 2025 15:17

Instrument :

MSVOA_Y

ClientSampleId :

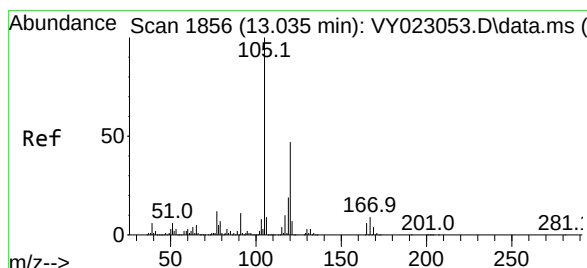
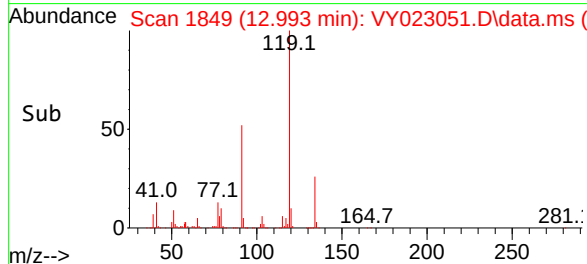
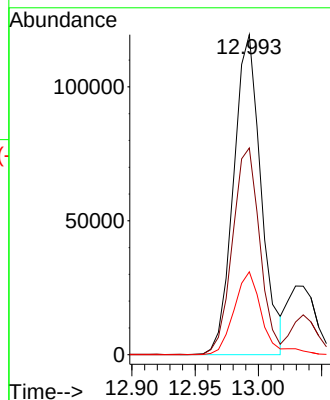
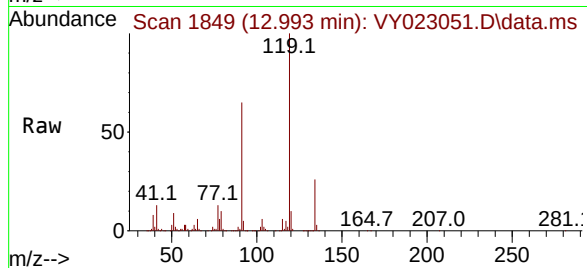
VSTDIC010

Tgt Ion:	119	Resp:	181408
Ion	Ratio	Lower	Upper
119	100		
91	63.9	31.6	94.8
134	26.4	12.9	38.7

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025



#84

1,2,4-Trimethylbenzene

Concen: 9.720 ug/l

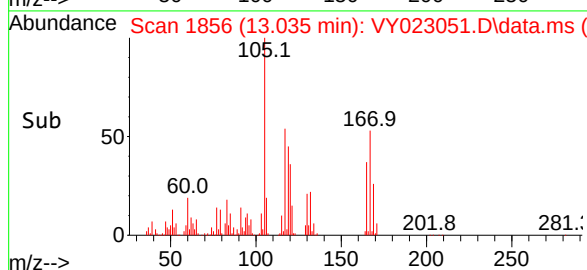
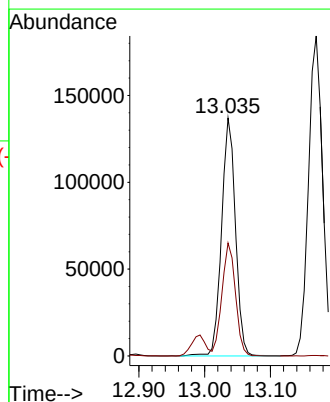
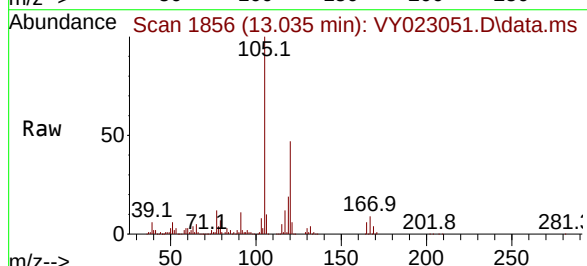
RT: 13.035 min Scan# 1856

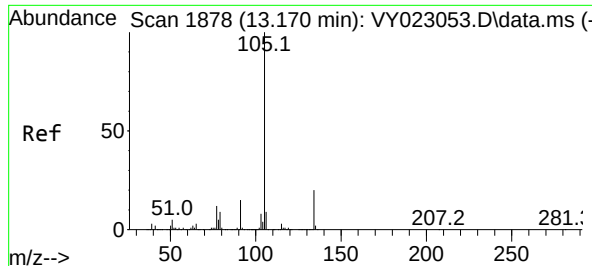
Delta R.T. 0.000 min

Lab File: VY023051.D

Acq: 12 Aug 2025 15:17

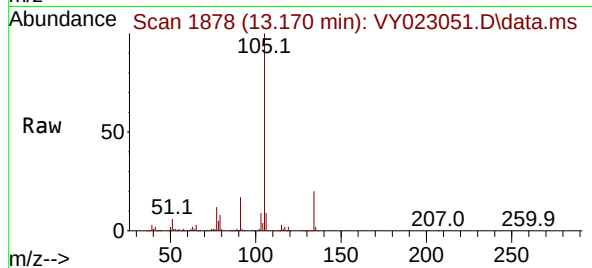
Tgt Ion:	105	Resp:	201812
Ion	Ratio	Lower	Upper
105	100		
120	46.1	23.0	69.0





#85
sec-Butylbenzene
Concen: 9.908 ug/l
RT: 13.170 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

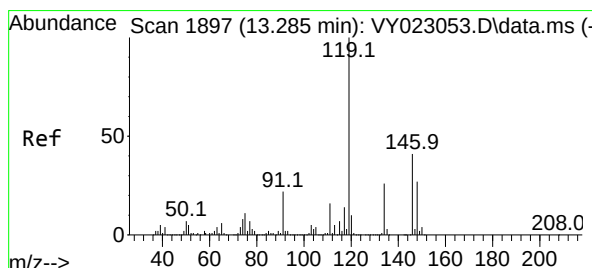
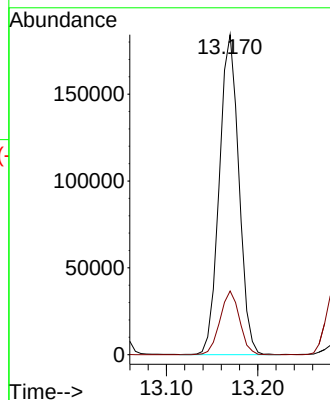
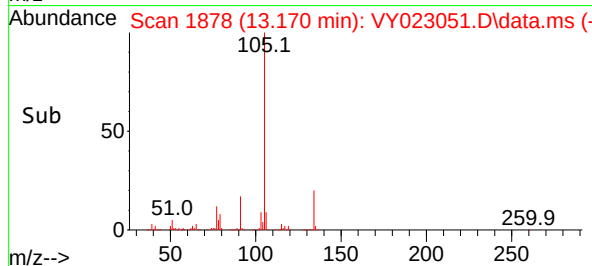
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010



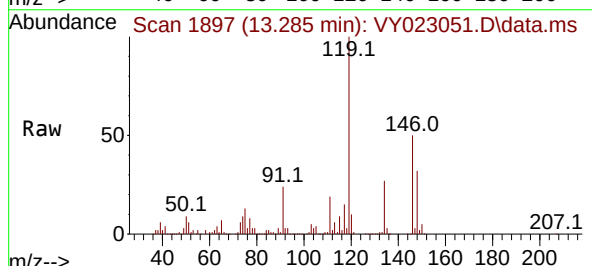
Tgt Ion:105 Resp: 274178
Ion Ratio Lower Upper
105 100
134 19.9 10.2 30.4

Manual Integrations
APPROVED

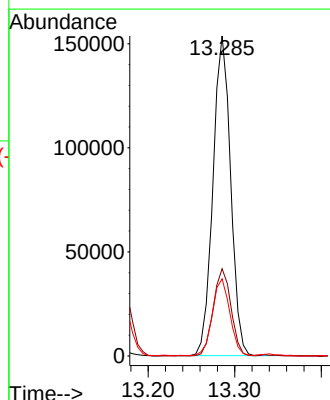
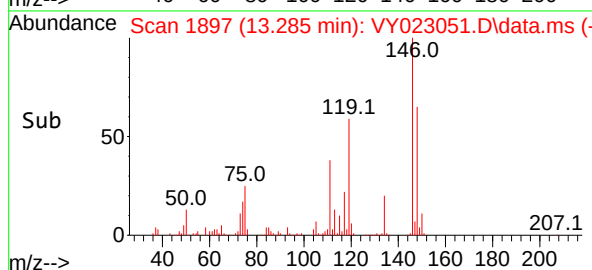
Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025

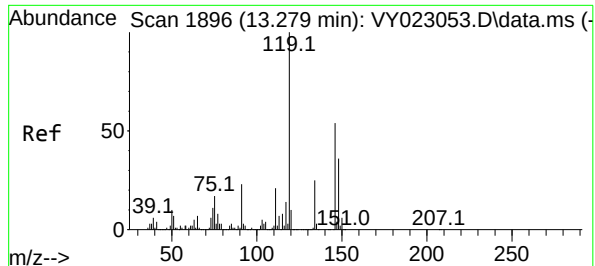


#86
p-Isopropyltoluene
Concen: 9.482 ug/l
RT: 13.285 min Scan# 1897
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17



Tgt Ion:119 Resp: 217799
Ion Ratio Lower Upper
119 100
134 27.3 13.2 39.6
91 23.9 11.3 33.8





#87

1,3-Dichlorobenzene

Concen: 9.893 ug/l

RT: 13.279 min Scan# 1896

Delta R.T. 0.000 min

Lab File: VY023051.D

Acq: 12 Aug 2025 15:17

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tgt Ion:146 Resp: 120109

Ion Ratio Lower Upper

146 100

111 40.6 19.6 58.7

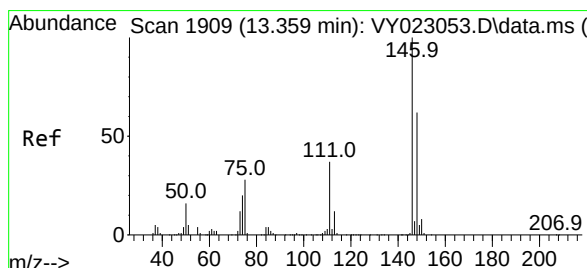
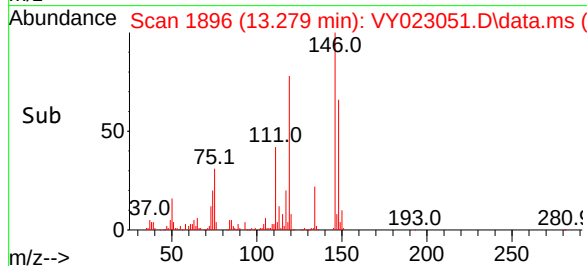
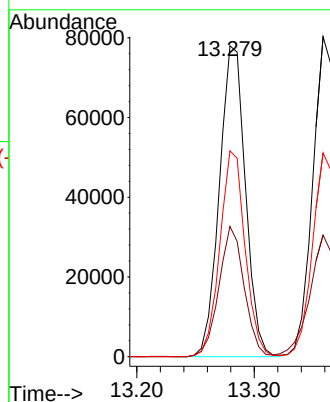
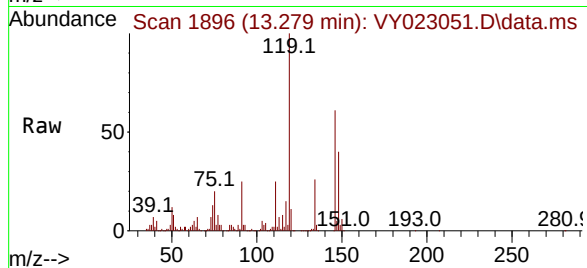
148 64.3 32.5 97.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025

Supervised By :Semsettin Yesilyurt 08/14/2025



#88

1,4-Dichlorobenzene

Concen: 10.060 ug/l

RT: 13.359 min Scan# 1909

Delta R.T. 0.000 min

Lab File: VY023051.D

Acq: 12 Aug 2025 15:17

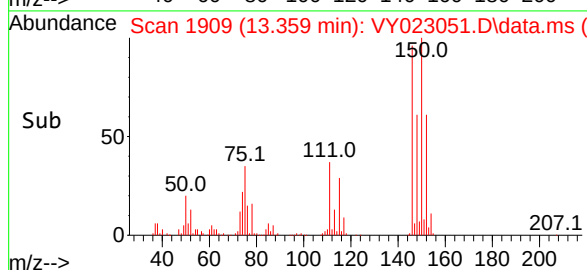
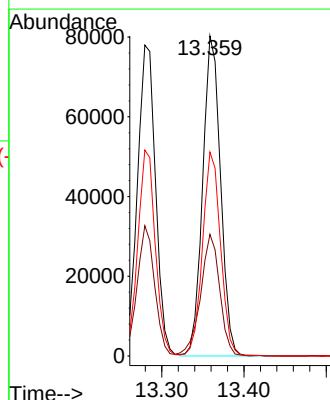
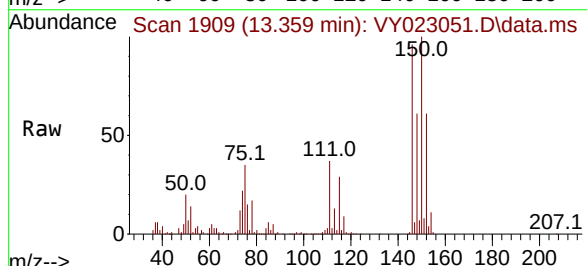
Tgt Ion:146 Resp: 121160

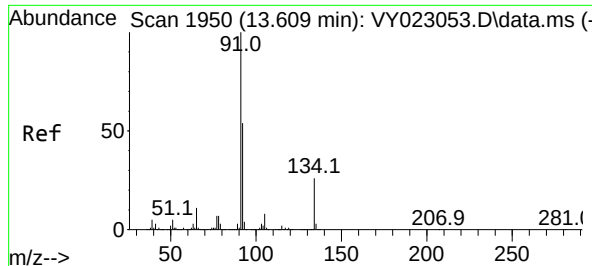
Ion Ratio Lower Upper

146 100

111 40.7 19.1 57.1

148 64.3 31.6 94.7





#89

n-Butylbenzene

Concen: 9.737 ug/l

RT: 13.609 min Scan# 1950

Delta R.T. 0.000 min

Lab File: VY023051.D

Acq: 12 Aug 2025 15:17

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC010

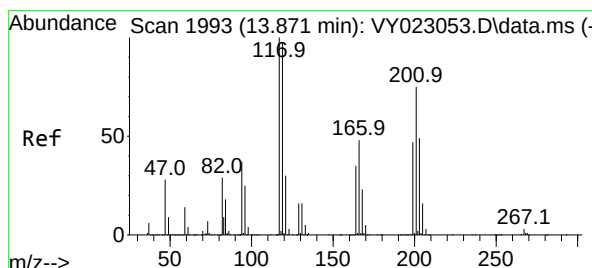
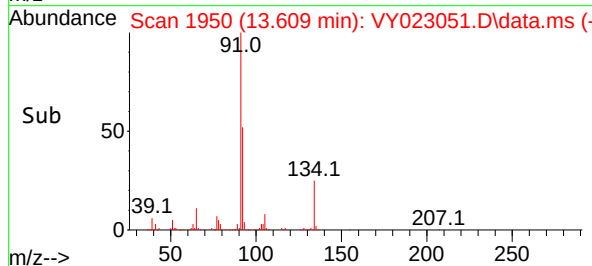
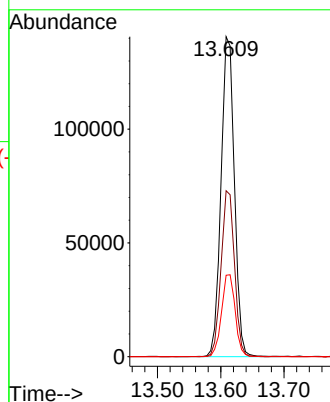
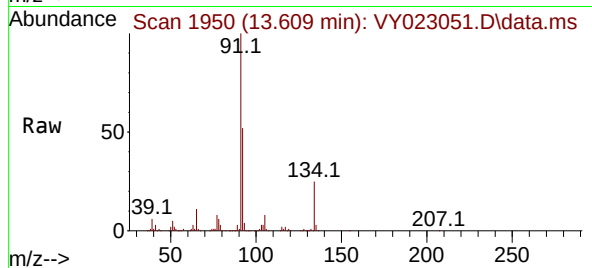
Tgt Ion:	91	Resp:	205420
Ion	Ratio	Lower	Upper
91	100		
92	52.1	26.9	80.7
134	26.1	13.2	39.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025

Supervised By :Semsettin Yesilyurt 08/14/2025



#90

Hexachloroethane

Concen: 10.071 ug/l

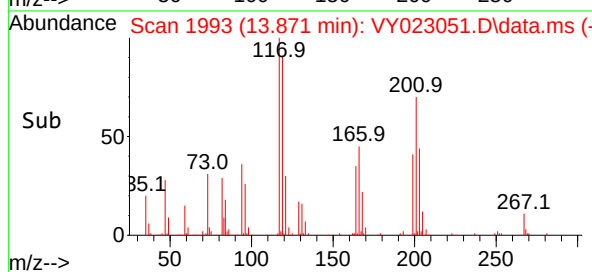
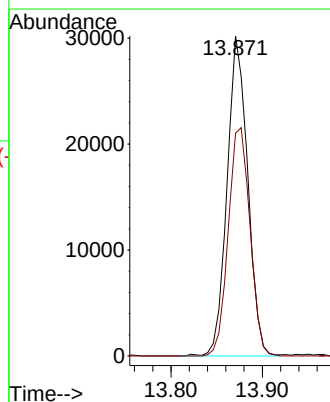
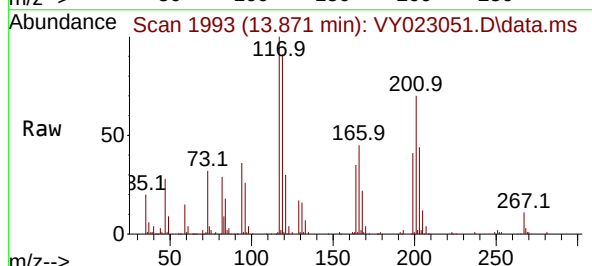
RT: 13.871 min Scan# 1993

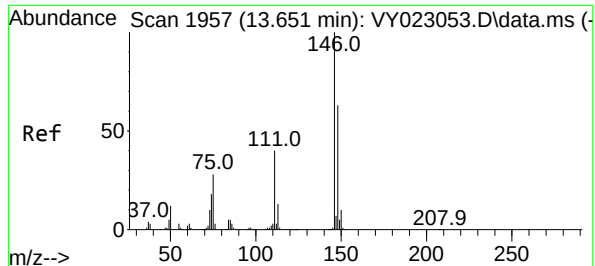
Delta R.T. 0.000 min

Lab File: VY023051.D

Acq: 12 Aug 2025 15:17

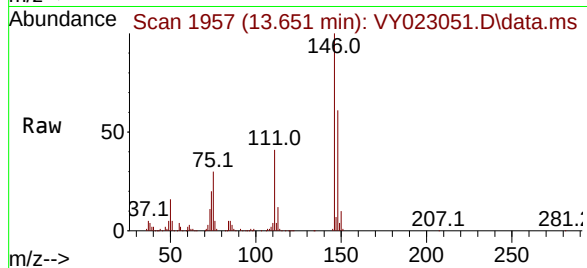
Tgt Ion:	117	Resp:	47353
Ion	Ratio	Lower	Upper
117	100		
201	75.3	38.4	115.1





#91
1,2-Dichlorobenzene
Concen: 10.110 ug/l
RT: 13.651 min Scan# 1957
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

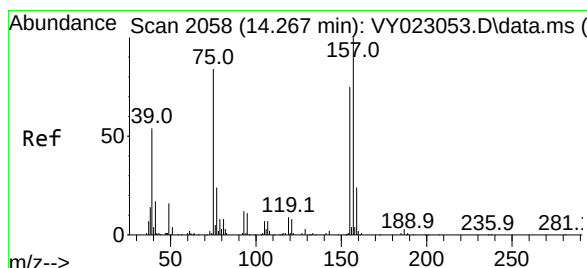
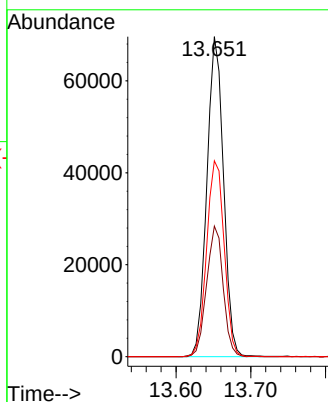
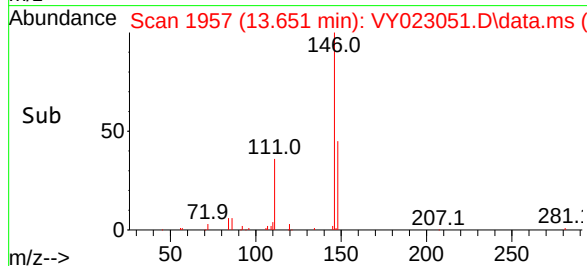
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010



Tgt Ion:146 Resp: 107650
Ion Ratio Lower Upper
146 100
111 40.5 20.3 60.8
148 64.5 32.2 96.6

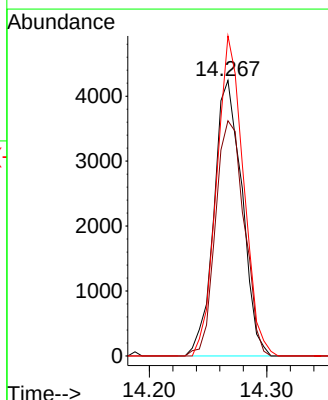
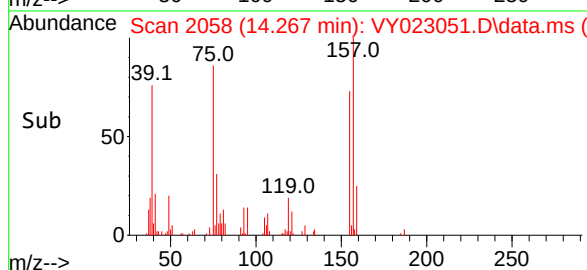
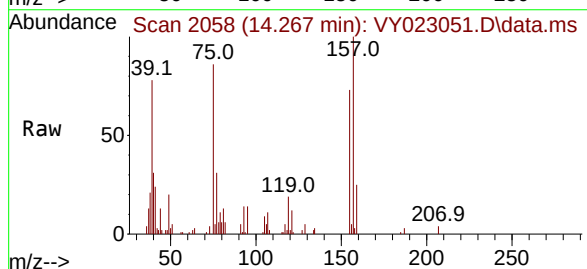
Manual Integrations
APPROVED

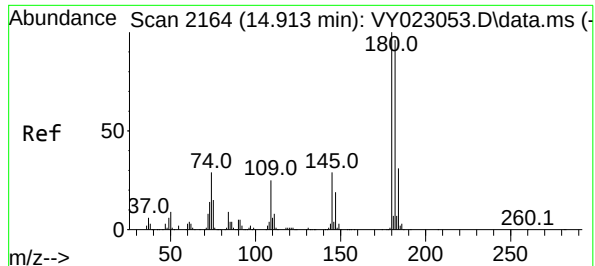
Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 10.250 ug/l
RT: 14.267 min Scan# 2058
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion: 75 Resp: 7032
Ion Ratio Lower Upper
75 100
155 87.6 43.9 131.6
157 111.5 57.2 171.6





#93

1,2,4-Trichlorobenzene

Concen: 9.739 ug/l

RT: 14.913 min Scan# 2164

Delta R.T. 0.000 min

Lab File: VY023051.D

Acq: 12 Aug 2025 15:17

Instrument :

MSVOA_Y

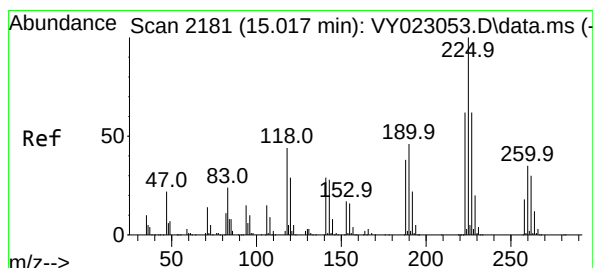
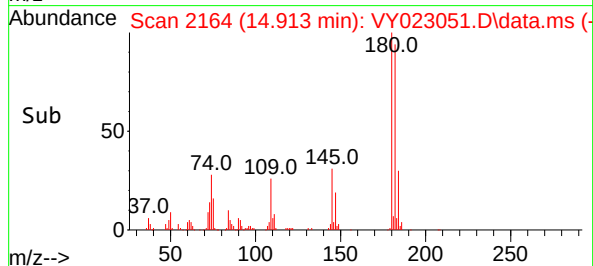
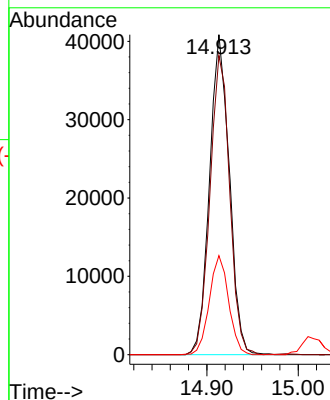
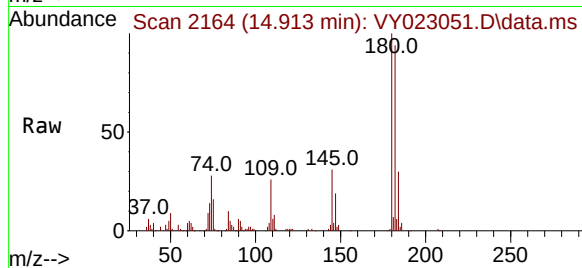
ClientSampleId :

VSTDIC010

Tgt Ion:180	Resp: 6132
Ion Ratio	Lower Upper
180 100	
182 93.2	46.8 140.4
145 30.2	14.4 43.4

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025



#94

Hexachlorobutadiene

Concen: 10.003 ug/l

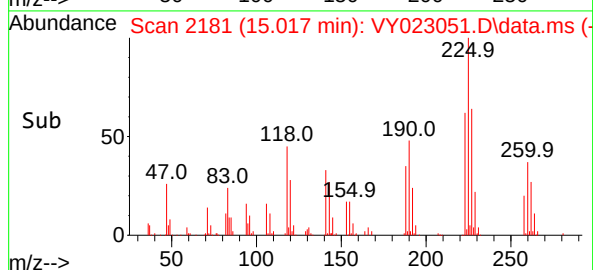
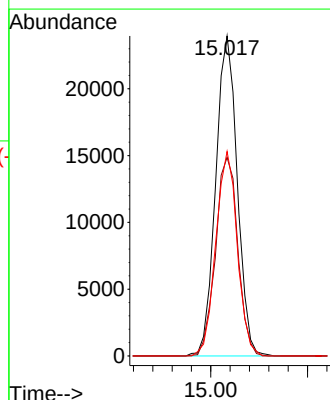
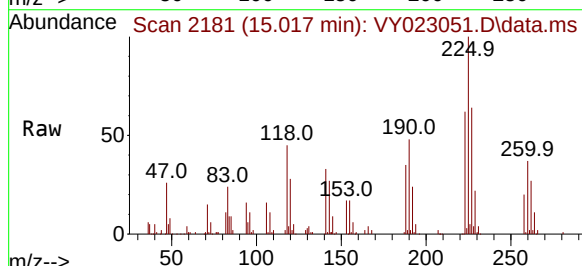
RT: 15.017 min Scan# 2181

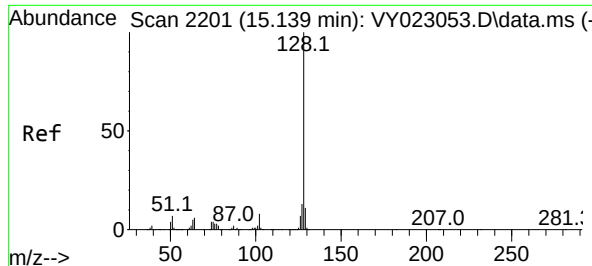
Delta R.T. 0.000 min

Lab File: VY023051.D

Acq: 12 Aug 2025 15:17

Tgt Ion:225	Resp: 37011
Ion Ratio	Lower Upper
225 100	
223 64.1	31.3 93.8
227 63.5	31.5 94.5





#95

Naphthalene

Concen: 9.293 ug/l

RT: 15.139 min Scan# 2201

Delta R.T. 0.000 min

Lab File: VY023051.D

Acq: 12 Aug 2025 15:17

Instrument :

MSVOA_Y

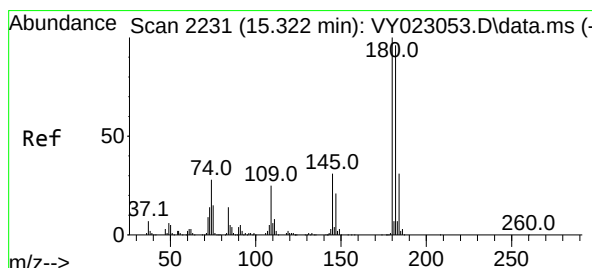
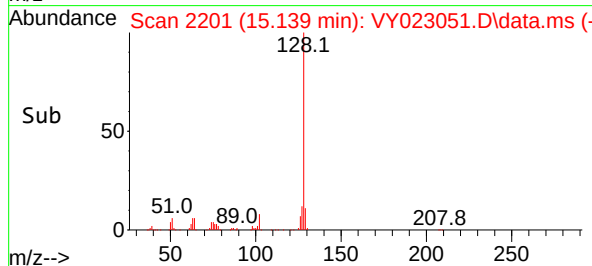
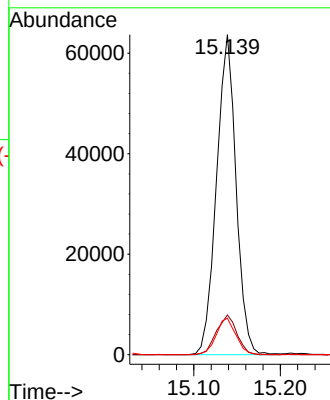
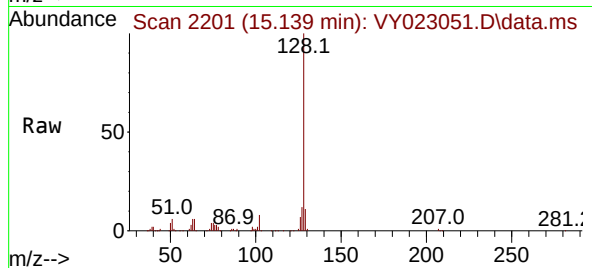
ClientSampleId :

VSTDIC010

Tgt Ion:	128	Resp:	99780
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.4	15.6
129	11.6	9.0	13.4

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025



#96

1,2,3-Trichlorobenzene

Concen: 9.883 ug/l

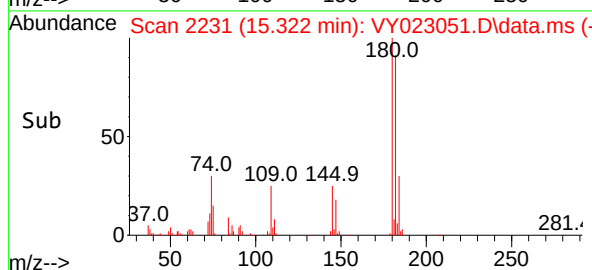
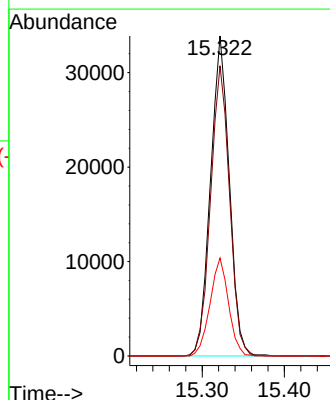
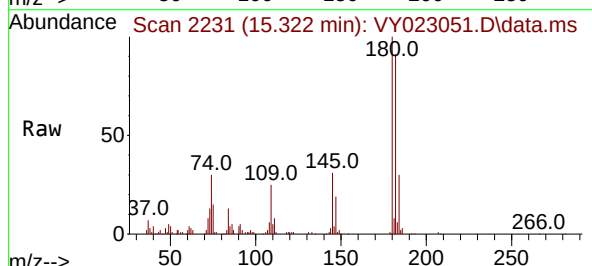
RT: 15.322 min Scan# 2231

Delta R.T. 0.000 min

Lab File: VY023051.D

Acq: 12 Aug 2025 15:17

Tgt Ion:	180	Resp:	53626
Ion Ratio	Lower	Upper	
180	100		
182	91.9	47.9	143.7
145	30.2	15.9	47.7



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081225\
 Data File : VY023052.D
 Acq On : 12 Aug 2025 15:40
 Operator : SY/MD
 Sample : VSTDICC020
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC020

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025
 Supervised By :Semsettin Yesilyurt 08/14/2025

Quant Time: Aug 13 01:52:25 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 13 01:46:43 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	537748	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	848953	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	745484	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	370932	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.055	65	103755	20.244	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	40.480%#
35) Dibromofluoromethane	7.628	113	102068	20.093	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	40.180%#
50) Toluene-d8	10.103	98	398394	20.075	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	40.160%#
62) 4-Bromofluorobenzene	12.402	95	124467	19.503	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	39.000%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.861	85	98926	22.537	ug/l	98
3) Chloromethane	2.068	50	158310	22.268	ug/l	99
4) Vinyl Chloride	2.202	62	188307	21.427	ug/l	99
5) Bromomethane	2.586	94	140517	21.410	ug/l	99
6) Chloroethane	2.726	64	122310	20.934	ug/l	99
7) Trichlorofluoromethane	3.050	101	225373	21.090	ug/l	99
8) Diethyl Ether	3.452	74	58245	20.602	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.805	101	112116	21.267	ug/l	99
10) Methyl Iodide	3.994	142	115879	20.370	ug/l	99
11) Tert butyl alcohol	4.860	59	35192	100.214	ug/l	98
12) 1,1-Dichloroethene	3.781	96	107992	20.840	ug/l	99
13) Acrolein	3.653	56	54065	105.126	ug/l	100
14) Allyl chloride	4.379	41	155709	20.421	ug/l	97
15) Acrylonitrile	5.055	53	120151	104.535	ug/l	97
16) Acetone	3.866	43	113468	102.193	ug/l	96
17) Carbon Disulfide	4.098	76	357484	21.157	ug/l	98
18) Methyl Acetate	4.379	43	69853	21.141	ug/l	99
19) Methyl tert-butyl Ether	5.110	73	278863	20.767	ug/l	99
20) Methylene Chloride	4.610	84	130416	21.069	ug/l	96
21) trans-1,2-Dichloroethene	5.104	96	120321	20.661	ug/l	96
22) Diisopropyl ether	6.012	45	346195	20.894	ug/l	95
23) Vinyl Acetate	5.951	43	941364	102.748	ug/l	97
24) 1,1-Dichloroethane	5.909	63	211558	20.884	ug/l	98
25) 2-Butanone	6.890	43	153363	101.559	ug/l	100
26) 2,2-Dichloropropane	6.878	77	181528	20.767	ug/l	100
27) cis-1,2-Dichloroethene	6.884	96	138775	20.613	ug/l	99
28) Bromochloromethane	7.244	49	84540	21.035	ug/l	99
29) Tetrahydrofuran	7.262	42	95795	102.341	ug/l	99
30) Chloroform	7.415	83	215585	20.635	ug/l	98
31) Cyclohexane	7.701	56	194671	20.393	ug/l	96
32) 1,1,1-Trichloroethane	7.610	97	193268	20.848	ug/l	99
36) 1,1-Dichloropropene	7.835	75	156617	20.746	ug/l	98
37) Ethyl Acetate	6.982	43	66420	20.944	ug/l	100
38) Carbon Tetrachloride	7.817	117	171344	20.897	ug/l	98
39) Methylcyclohexane	9.103	83	205594	20.680	ug/l	98
40) Benzene	8.079	78	485631	20.871	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081225\
 Data File : VY023052.D
 Acq On : 12 Aug 2025 15:40
 Operator : SY/MD
 Sample : VSTDICC020
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC020

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025

Supervised By :Semsettin Yesilyurt 08/14/2025

Quant Time: Aug 13 01:52:25 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M

Quant Title : SW846 8260

QLast Update : Wed Aug 13 01:46:43 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	37785m	20.623	ug/l	
42) 1,2-Dichloroethane	8.152	62	126111	20.839	ug/l	100
43) Isopropyl Acetate	8.195	43	131854	20.571	ug/l	98
44) Trichloroethene	8.859	130	126772	21.083	ug/l	98
45) 1,2-Dichloropropane	9.134	63	110699	20.677	ug/l	99
46) Dibromomethane	9.225	93	63410	20.635	ug/l	98
47) Bromodichloromethane	9.420	83	165954	20.988	ug/l	96
48) Methyl methacrylate	9.219	41	64120	20.905	ug/l	98
49) 1,4-Dioxane	9.225	88	14826	411.480	ug/l	98
51) 4-Methyl-2-Pentanone	9.993	43	339298	102.622	ug/l	100
52) Toluene	10.164	92	306193	20.719	ug/l	100
53) t-1,3-Dichloropropene	10.390	75	147696	20.627	ug/l	100
54) cis-1,3-Dichloropropene	9.853	75	174243	20.580	ug/l	96
55) 1,1,2-Trichloroethane	10.566	97	86022	20.920	ug/l	99
56) Ethyl methacrylate	10.432	69	105816	20.111	ug/l	99
57) 1,3-Dichloropropane	10.713	76	145621	20.882	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.707	63	244340	98.450	ug/l	99
59) 2-Hexanone	10.755	43	231872	102.992	ug/l	99
60) Dibromochloromethane	10.908	129	110810	20.424	ug/l	99
61) 1,2-Dibromoethane	11.012	107	80549	20.842	ug/l	97
64) Tetrachloroethene	10.640	164	141609	21.273	ug/l	99
65) Chlorobenzene	11.438	112	332700	20.690	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.511	131	112677	20.647	ug/l	99
67) Ethyl Benzene	11.511	91	564855	20.412	ug/l	99
68) m/p-Xylenes	11.621	106	444361	41.115	ug/l	98
69) o-Xylene	11.950	106	207639	20.513	ug/l	99
70) Styrene	11.963	104	339891	20.532	ug/l	99
71) Bromoform	12.127	173	64275	20.151	ug/l #	98
73) Isopropylbenzene	12.249	105	534421	20.413	ug/l	100
74) N-amyl acetate	12.066	43	112297	20.227	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.499	83	89782	20.085	ug/l	100
76) 1,2,3-Trichloropropane	12.548	75	70070m	19.560	ug/l	
77) Bromobenzene	12.523	156	128501	20.574	ug/l	99
78) n-propylbenzene	12.590	91	640528	20.550	ug/l	99
79) 2-Chlorotoluene	12.670	91	365577	20.471	ug/l	100
80) 1,3,5-Trimethylbenzene	12.731	105	435074	20.563	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.298	75	30153	20.389	ug/l	97
82) 4-Chlorotoluene	12.773	91	385755	20.822	ug/l	99
83) tert-Butylbenzene	12.993	119	389621	20.389	ug/l	100
84) 1,2,4-Trimethylbenzene	13.036	105	438392	20.814	ug/l	98
85) sec-Butylbenzene	13.170	105	575804	20.512	ug/l	100
86) p-Isopropyltoluene	13.285	119	480937	20.640	ug/l	100
87) 1,3-Dichlorobenzene	13.279	146	252452	20.497	ug/l	99
88) 1,4-Dichlorobenzene	13.359	146	249280	20.403	ug/l	99
89) n-Butylbenzene	13.609	91	440963	20.605	ug/l	99
90) Hexachloroethane	13.871	117	96478	20.226	ug/l	98
91) 1,2-Dichlorobenzene	13.651	146	222000	20.552	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.267	75	13973	20.076	ug/l	98
93) 1,2,4-Trichlorobenzene	14.913	180	130718	20.464	ug/l	98
94) Hexachlorobutadiene	15.017	225	77511	20.650	ug/l	99
95) Naphthalene	15.139	128	216923	19.915	ug/l	100
96) 1,2,3-Trichlorobenzene	15.322	180	111506	20.258	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081225\
Data File : VY023052.D
Acq On : 12 Aug 2025 15:40
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025

Quant Time: Aug 13 01:52:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 01:46:43 2025
Response via : Initial Calibration

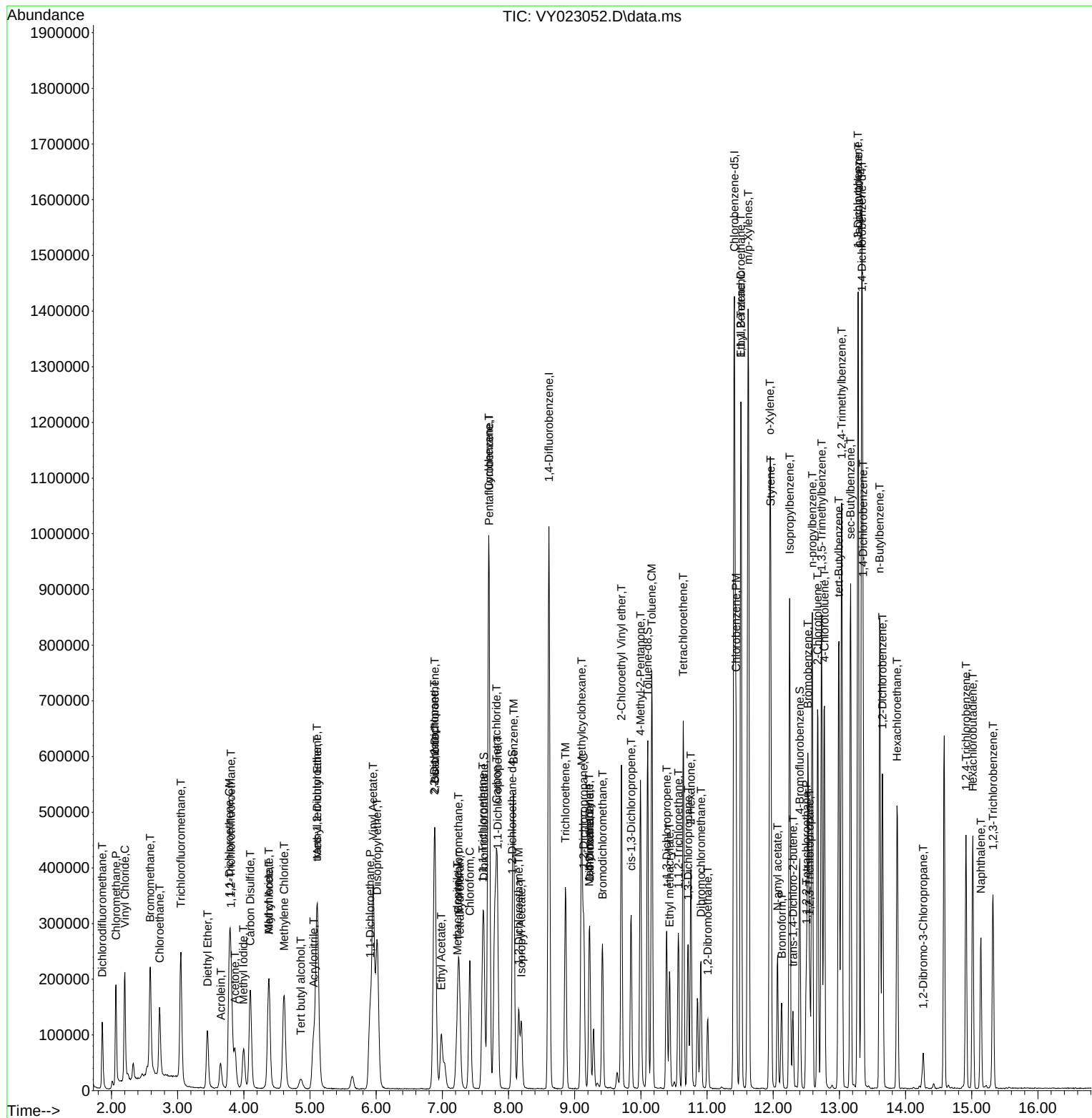
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
----------	------	------	----------	------	-------	----------

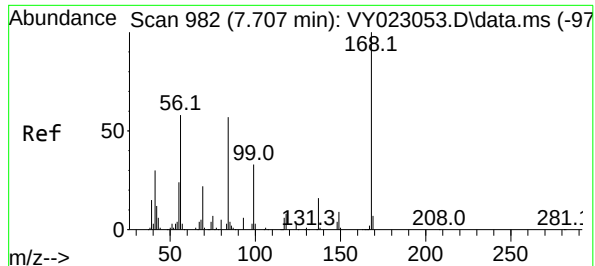
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

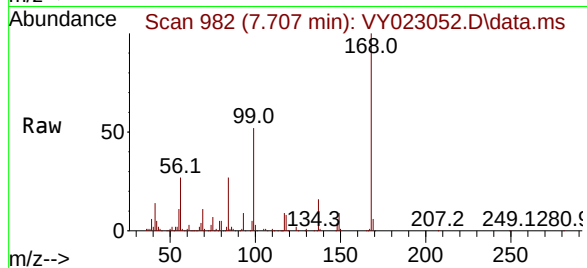
Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

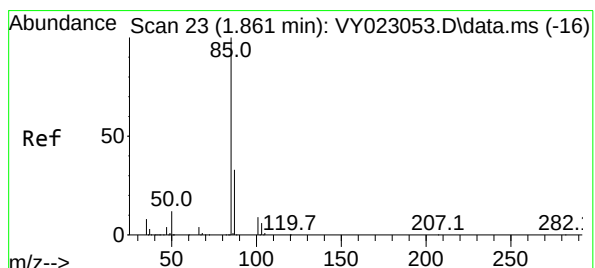
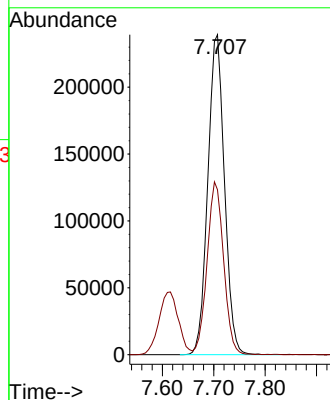
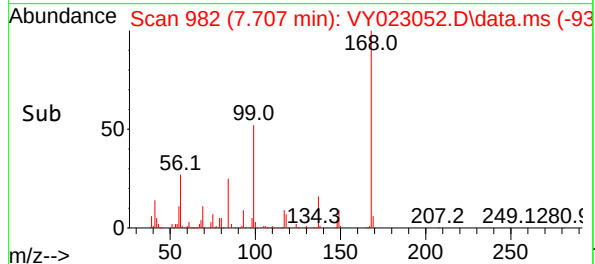
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020



Tgt Ion:168 Resp: 537748
Ion Ratio Lower Upper
168 100
99 51.5 42.8 64.2

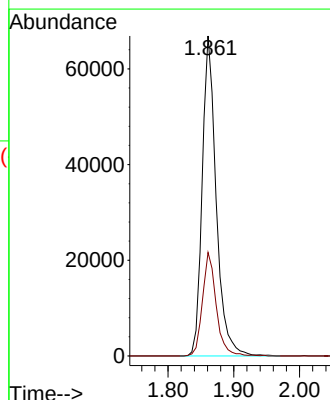
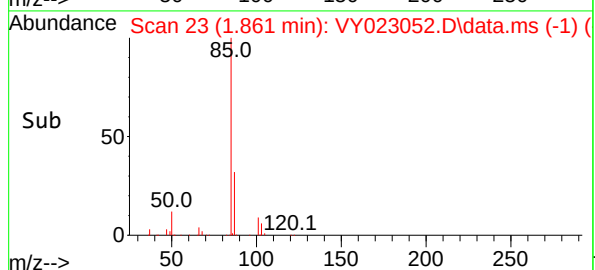
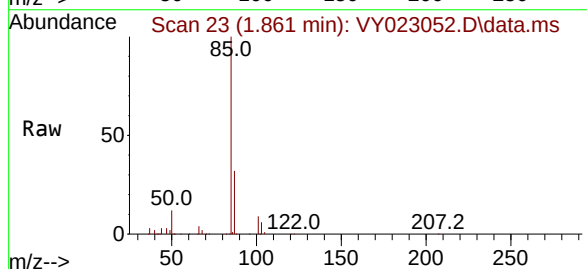
Manual Integrations
APPROVED

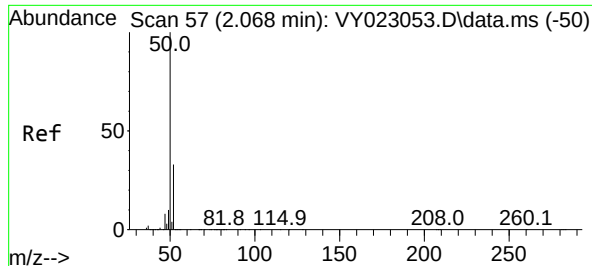
Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025



#2
Dichlorodifluoromethane
Concen: 22.537 ug/l
RT: 1.861 min Scan# 23
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion: 85 Resp: 98926
Ion Ratio Lower Upper
85 100
87 32.3 16.6 49.8





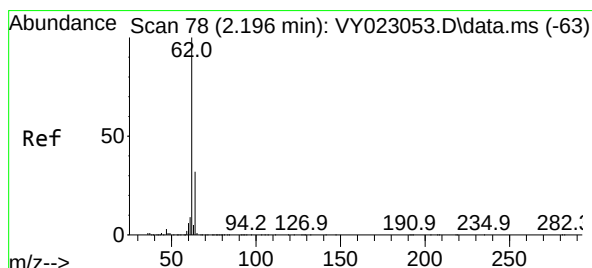
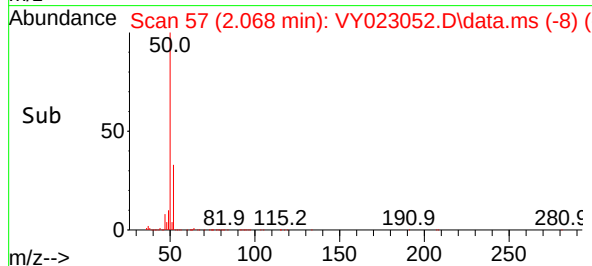
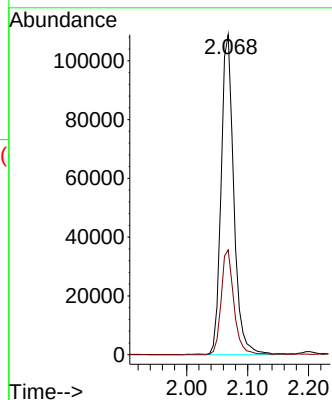
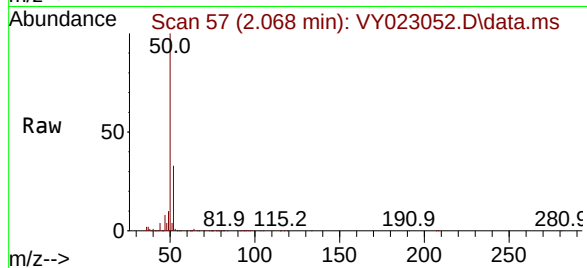
#3
Chloromethane
Concen: 22.268 ug/l
RT: 2.068 min Scan# 51
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 50 Resp: 158310
Ion Ratio Lower Upper
50 100
52 32.8 26.7 40.1

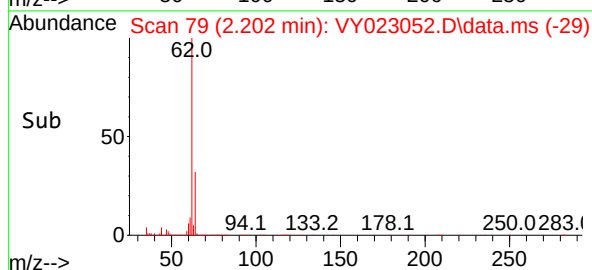
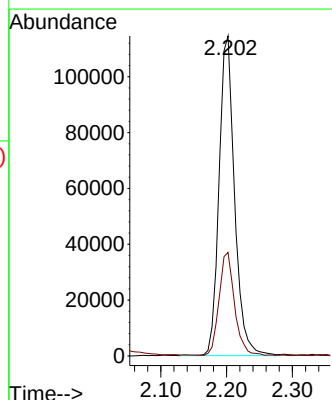
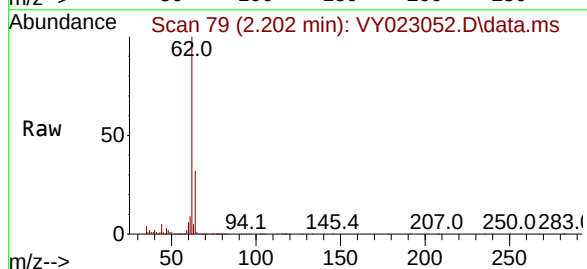
Manual Integrations
APPROVED

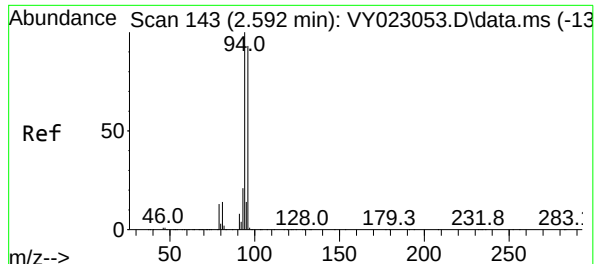
Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025



#4
Vinyl Chloride
Concen: 21.427 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.006 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion: 62 Resp: 188307
Ion Ratio Lower Upper
62 100
64 32.2 25.4 38.0





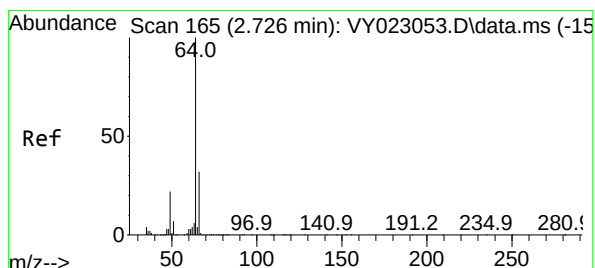
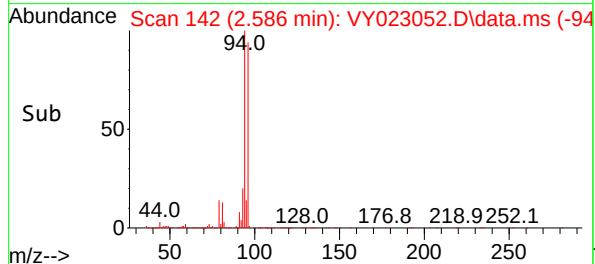
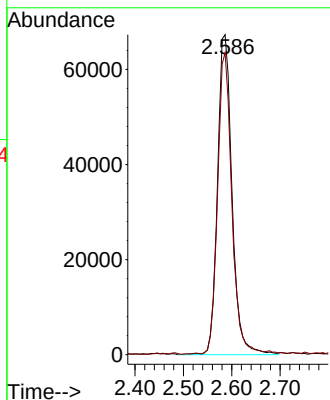
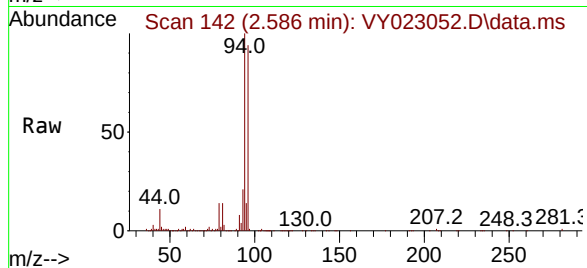
#5
Bromomethane
Concen: 21.410 ug/l
RT: 2.586 min Scan# 143
Delta R.T. -0.006 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tgt Ion: 94 Resp: 14051
Ion Ratio Lower Upper
94 100
96 94.1 74.6 112.0

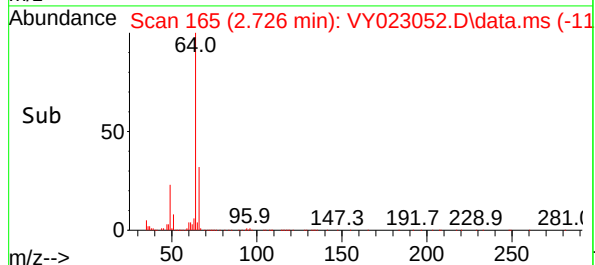
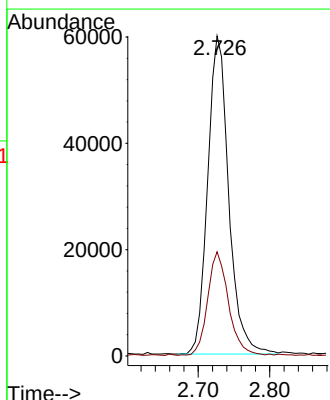
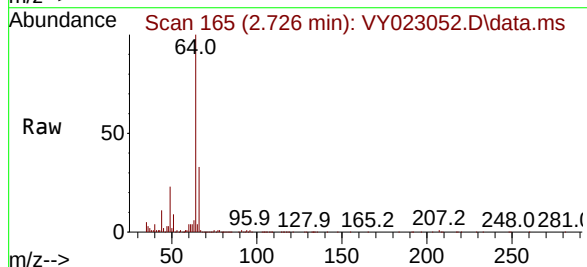
Manual Integrations
APPROVED

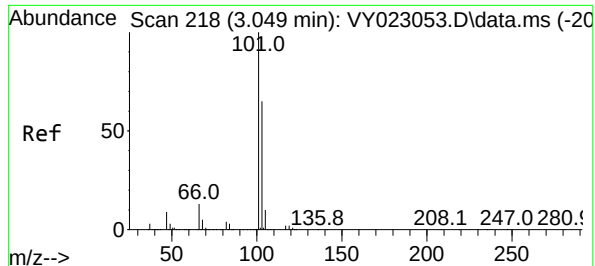
Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025



#6
Chloroethane
Concen: 20.934 ug/l
RT: 2.726 min Scan# 165
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion: 64 Resp: 122310
Ion Ratio Lower Upper
64 100
66 32.5 25.8 38.6





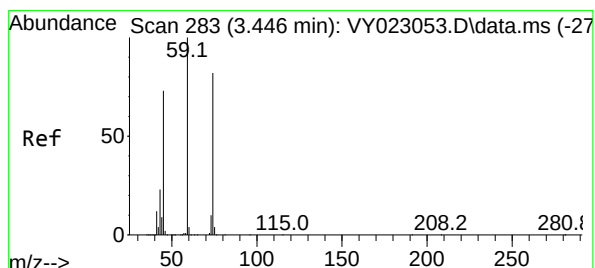
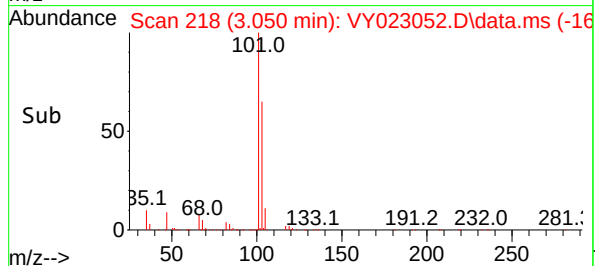
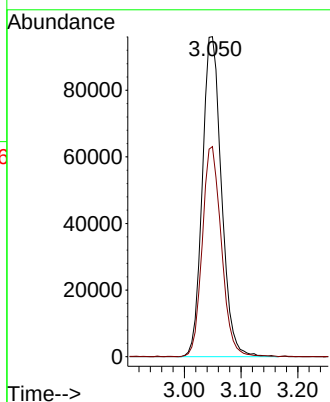
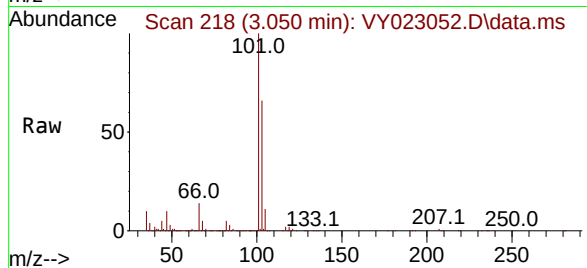
#7
Trichlorofluoromethane
Concen: 21.090 ug/l
RT: 3.050 min Scan# 218
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:101 Resp: 22537
Ion Ratio Lower Upper
101 100
103 65.7 51.9 77.9

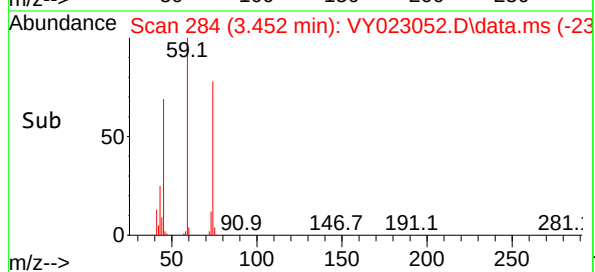
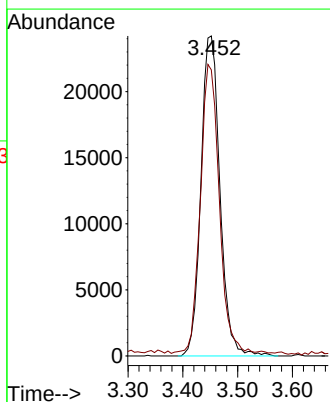
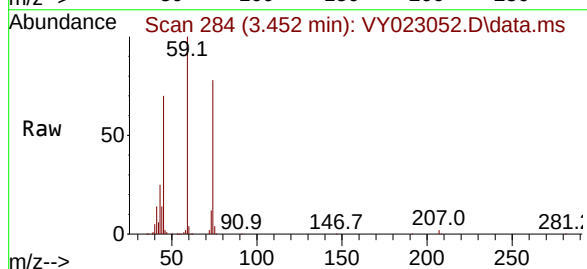
Manual Integrations
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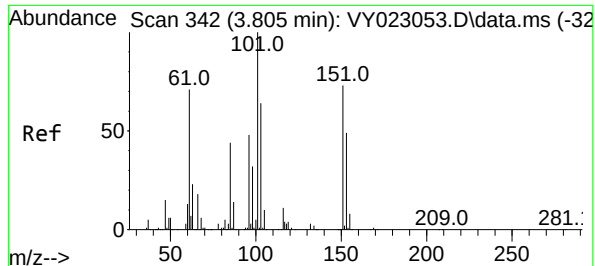
Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025



#8
Diethyl Ether
Concen: 20.602 ug/l
RT: 3.452 min Scan# 284
Delta R.T. 0.006 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion: 74 Resp: 58245
Ion Ratio Lower Upper
74 100
45 89.8 44.4 133.2





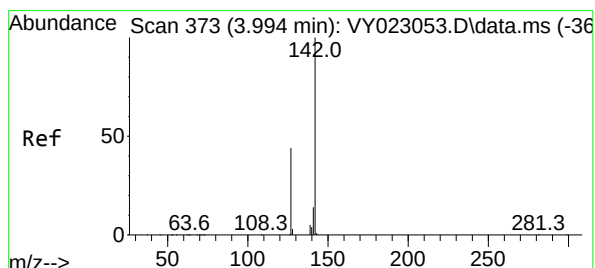
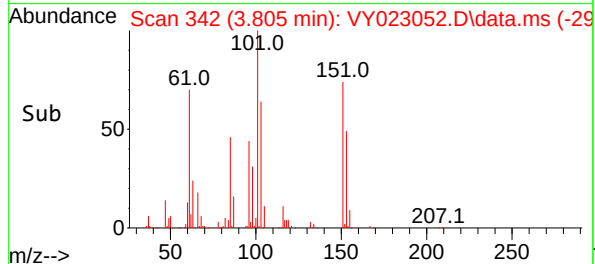
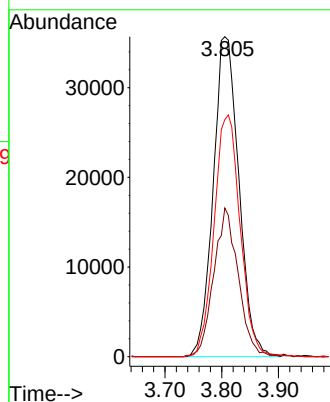
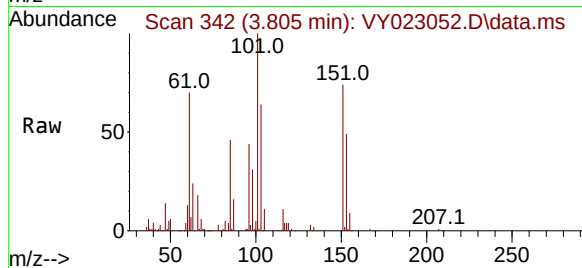
#9
1,1,2-Trichlorotrifluoroethane
Concen: 21.267 ug/l
RT: 3.805 min Scan# 342
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:101 Resp: 112110
Ion Ratio Lower Upper
101 100
85 44.2 36.3 54.5
151 76.8 61.5 92.3

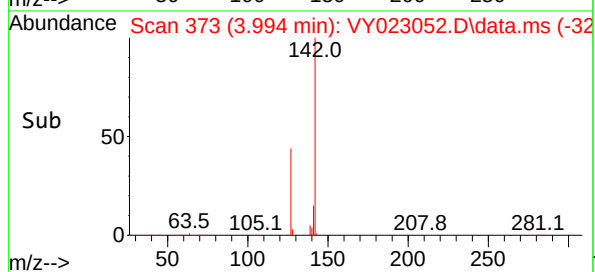
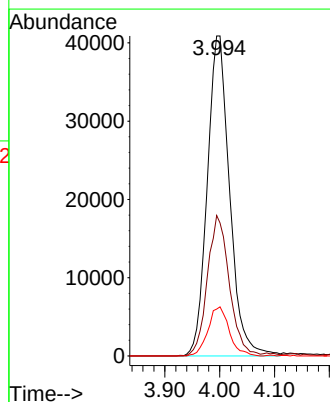
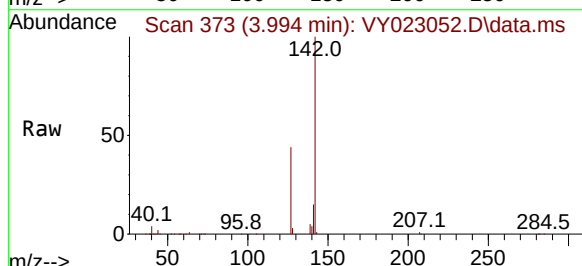
Manual Integrations
APPROVED

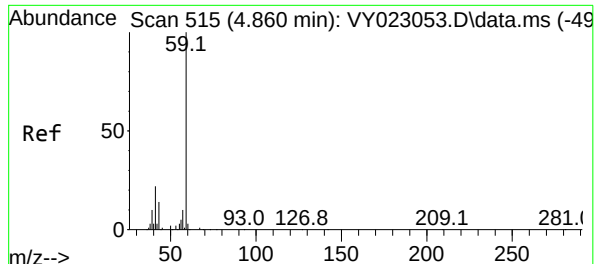
Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025



#10
Methyl Iodide
Concen: 20.370 ug/l
RT: 3.994 min Scan# 373
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion:142 Resp: 115879
Ion Ratio Lower Upper
142 100
127 43.0 34.9 52.3
141 14.6 11.3 16.9





#11

Tert butyl alcohol

Concen: 100.214 ug/l

RT: 4.860 min Scan# 515

Delta R.T. 0.000 min

Lab File: VY023052.D

Acq: 12 Aug 2025 15:40

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tgt Ion: 59 Resp: 35192

Ion Ratio Lower Upper

59 100

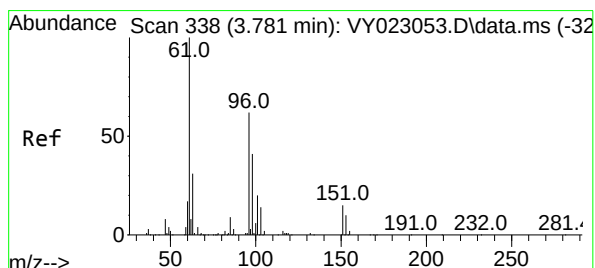
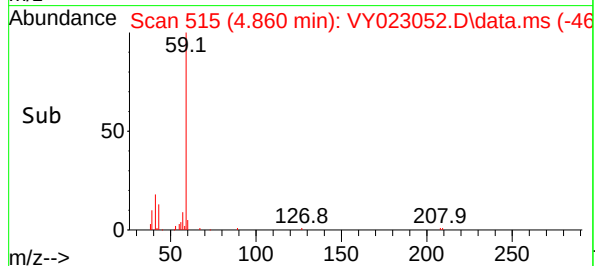
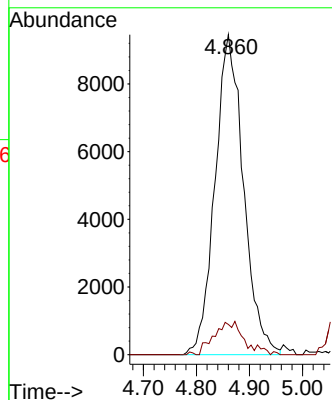
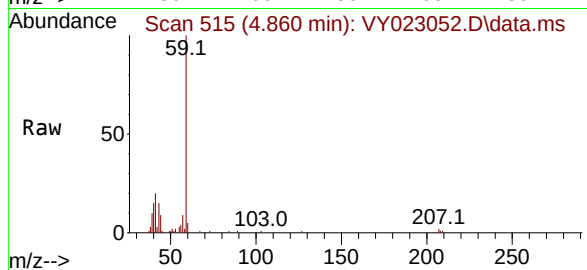
57 10.0 8.6 13.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025

Supervised By :Semsettin Yesilyurt 08/14/2025



#12

1,1-Dichloroethene

Concen: 20.840 ug/l

RT: 3.781 min Scan# 338

Delta R.T. 0.000 min

Lab File: VY023052.D

Acq: 12 Aug 2025 15:40

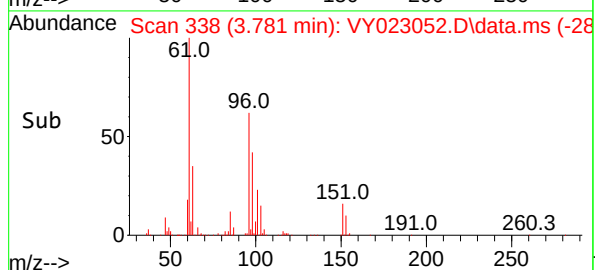
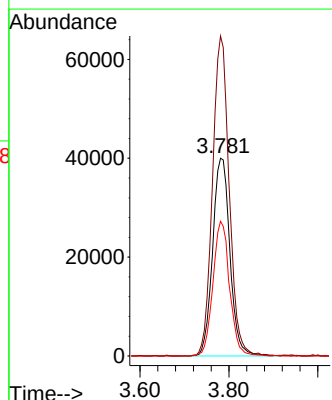
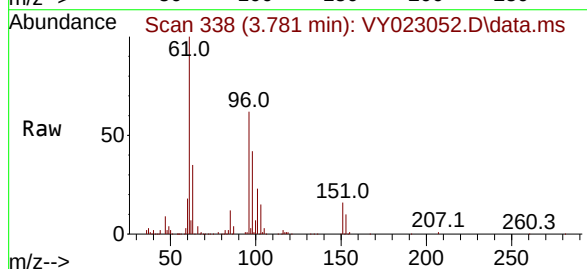
Tgt Ion: 96 Resp: 107992

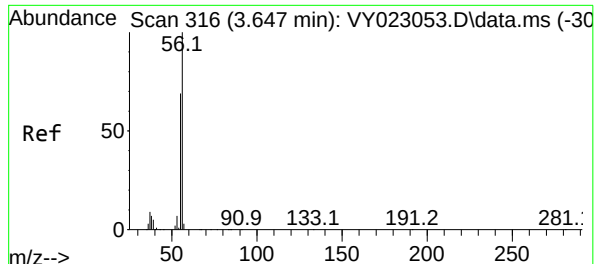
Ion Ratio Lower Upper

96 100

61 161.8 129.4 194.2

98 68.1 52.8 79.2





#13

Acrolein

Concen: 105.126 ug/l

RT: 3.653 min Scan# 316

Delta R.T. 0.006 min

Lab File: VY023052.D

Acq: 12 Aug 2025 15:40

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC020

Tgt Ion: 56 Resp: 5406

Ion Ratio Lower Upper

56 100

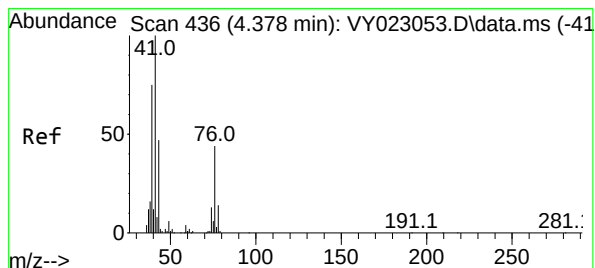
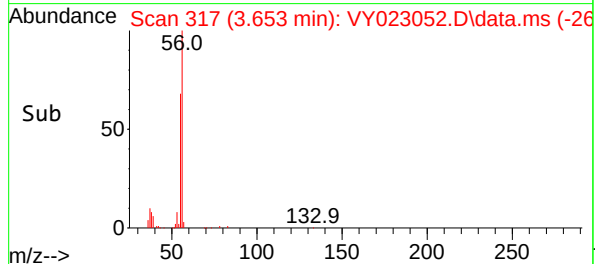
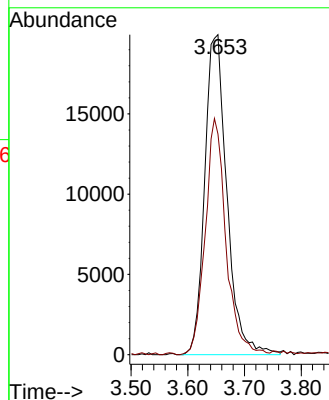
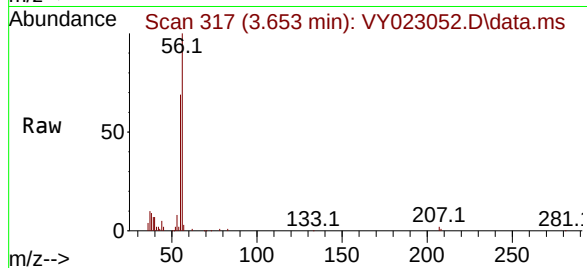
55 69.1 55.2 82.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025

Supervised By :Semsettin Yesilyurt 08/14/2025



#14

Allyl chloride

Concen: 20.421 ug/l

RT: 4.379 min Scan# 436

Delta R.T. 0.000 min

Lab File: VY023052.D

Acq: 12 Aug 2025 15:40

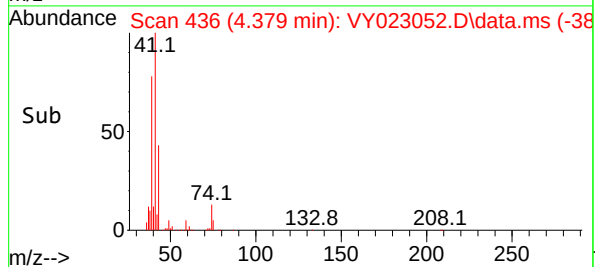
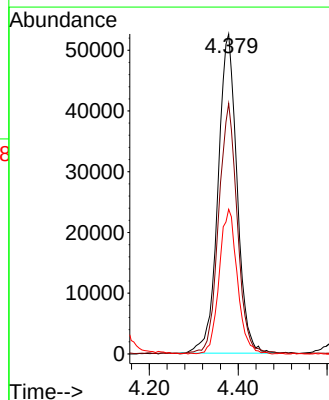
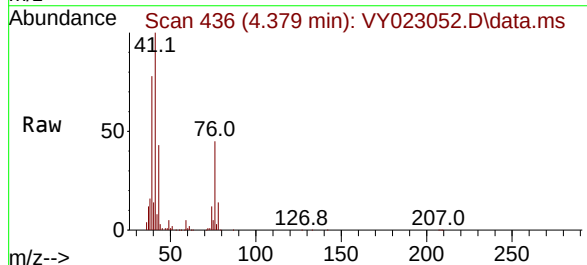
Tgt Ion: 41 Resp: 155709

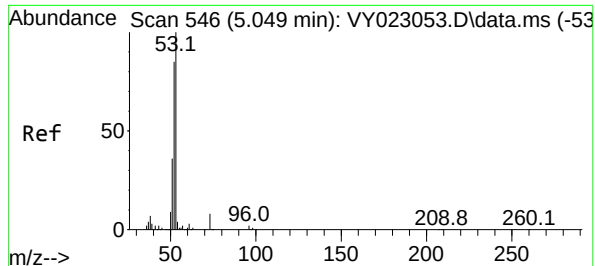
Ion Ratio Lower Upper

41 100

39 77.1 59.8 89.6

76 43.3 33.7 50.5





#15

Acrylonitrile

Concen: 104.535 ug/l

RT: 5.055 min Scan# 54

Delta R.T. 0.006 min

Lab File: VY023052.D

Acq: 12 Aug 2025 15:40

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC020

Tgt Ion: 53 Resp: 12015

Ion Ratio Lower Upper

53 100

52 78.7 65.3 97.9

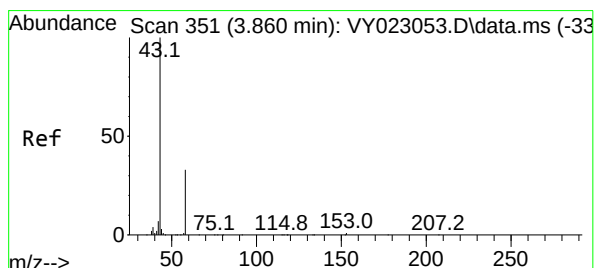
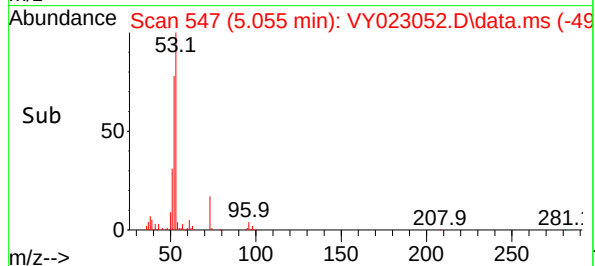
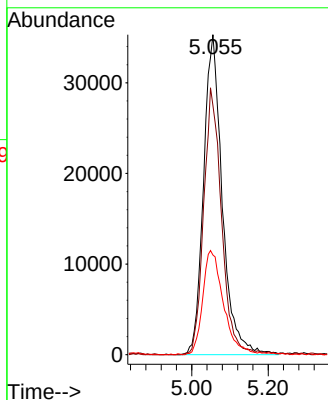
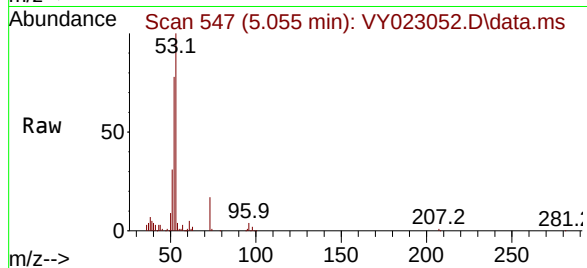
51 35.9 29.5 44.3

Manual Integrations

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Reviewed By :Mahesh Dadoda 08/14/2025

Supervised By :Semsettin Yesilyurt 08/14/2025



#16

Acetone

Concen: 102.193 ug/l

RT: 3.866 min Scan# 352

Delta R.T. 0.006 min

Lab File: VY023052.D

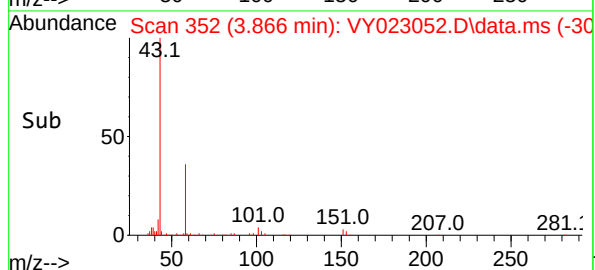
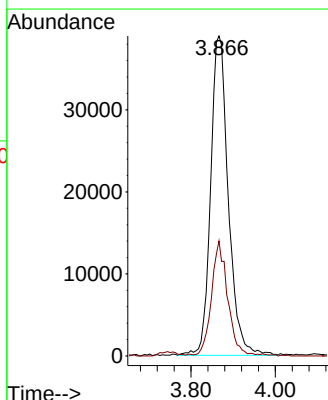
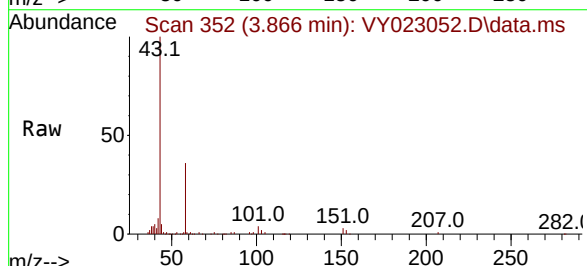
Acq: 12 Aug 2025 15:40

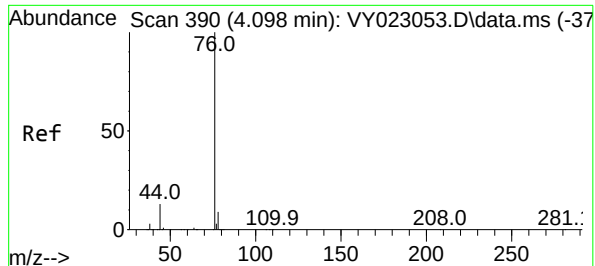
Tgt Ion: 43 Resp: 113468

Ion Ratio Lower Upper

43 100

58 36.0 27.1 40.7





#17

Carbon Disulfide

Concen: 21.157 ug/l

RT: 4.098 min Scan# 390

Delta R.T. 0.000 min

Lab File: VY023052.D

Acq: 12 Aug 2025 15:40

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC020

Tgt Ion: 76 Resp: 357484

Ion Ratio Lower Upper

76 100

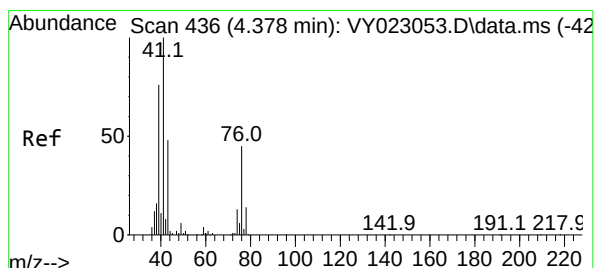
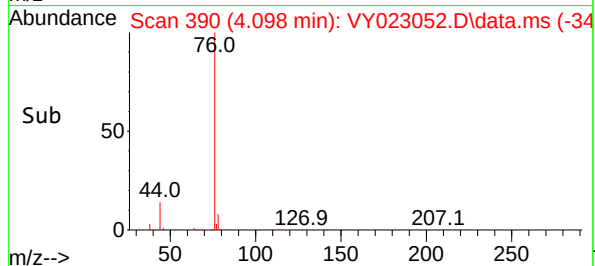
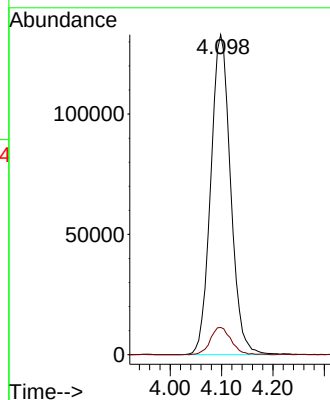
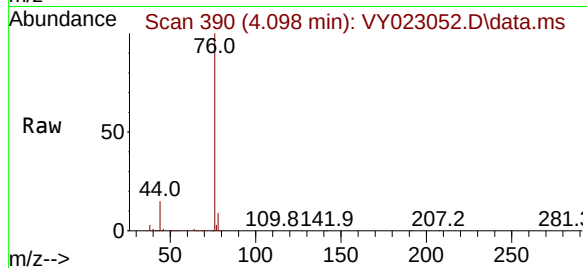
78 8.5 7.4 11.2

Manual Integrations

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Reviewed By :Mahesh Dadoda 08/14/2025

Supervised By :Semsettin Yesilyurt 08/14/2025



#18

Methyl Acetate

Concen: 21.141 ug/l

RT: 4.379 min Scan# 436

Delta R.T. 0.000 min

Lab File: VY023052.D

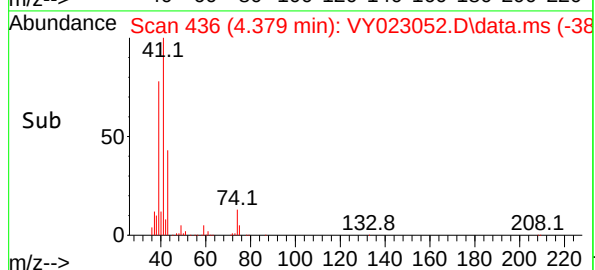
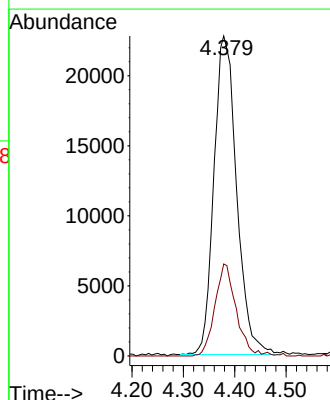
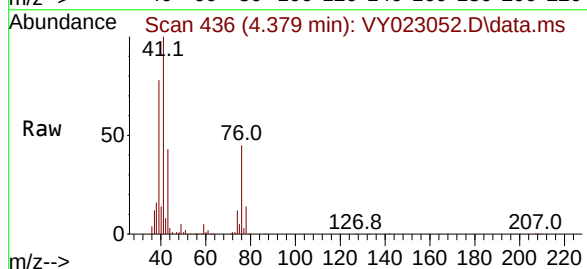
Acq: 12 Aug 2025 15:40

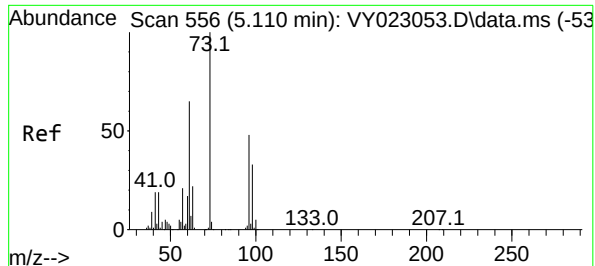
Tgt Ion: 43 Resp: 69853

Ion Ratio Lower Upper

43 100

74 27.0 21.2 31.8





#19

Methyl tert-butyl Ether

Concen: 20.767 ug/l

RT: 5.110 min Scan# 51

Delta R.T. 0.000 min

Lab File: VY023052.D

Acq: 12 Aug 2025 15:40

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC020

Tgt Ion: 73 Resp: 27886

Ion Ratio Lower Upper

73 100

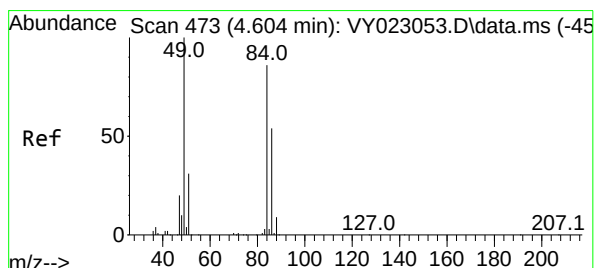
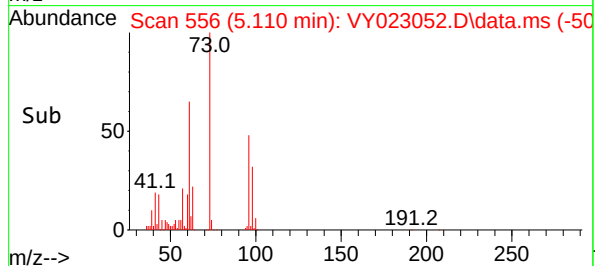
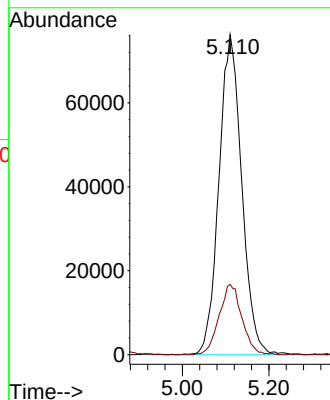
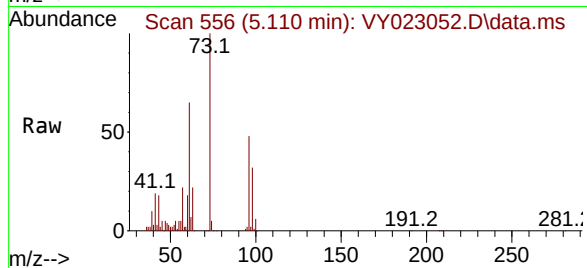
57 21.9 17.1 25.7

Manual Integrations

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Reviewed By :Mahesh Dadoda 08/14/2025

Supervised By :Semsettin Yesilyurt 08/14/2025



#20

Methylene Chloride

Concen: 21.069 ug/l

RT: 4.610 min Scan# 474

Delta R.T. 0.006 min

Lab File: VY023052.D

Acq: 12 Aug 2025 15:40

Tgt Ion: 84 Resp: 130416

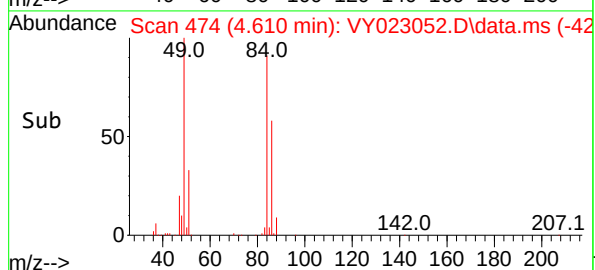
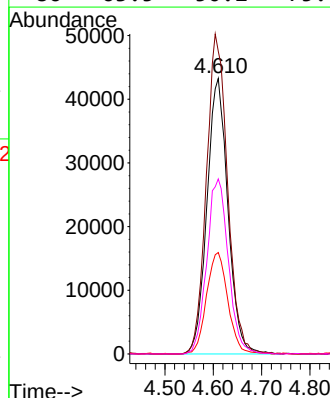
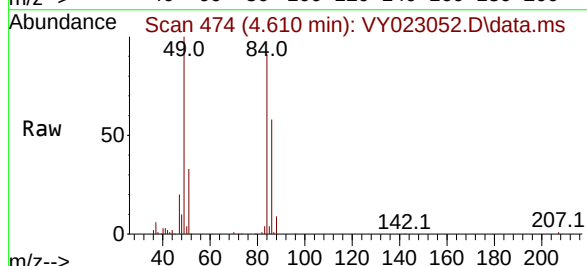
Ion Ratio Lower Upper

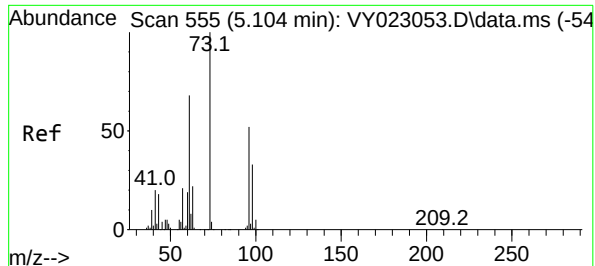
84 100

49 109.9 93.0 139.6

51 36.8 29.0 43.4

86 63.5 50.2 75.4





#21

trans-1,2-Dichloroethene

Concen: 20.661 ug/l

RT: 5.104 min Scan# 51

Delta R.T. 0.000 min

Lab File: VY023052.D

Acq: 12 Aug 2025 15:40

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC020

Tgt Ion: 96 Resp: 12032

Ion Ratio Lower Upper

96 100

61 137.0 104.8 157.2

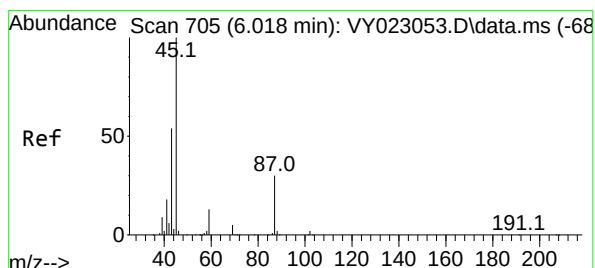
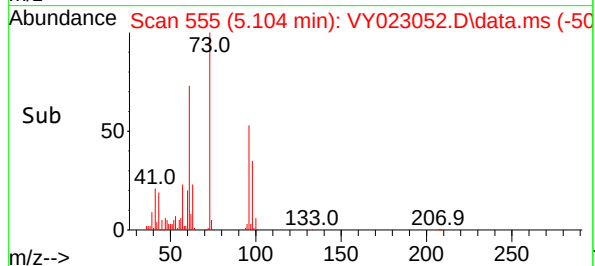
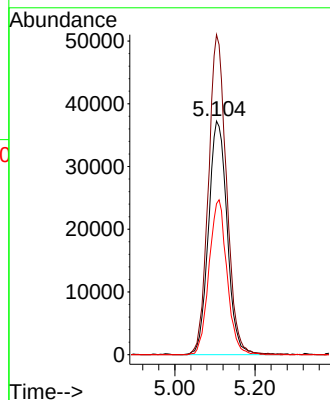
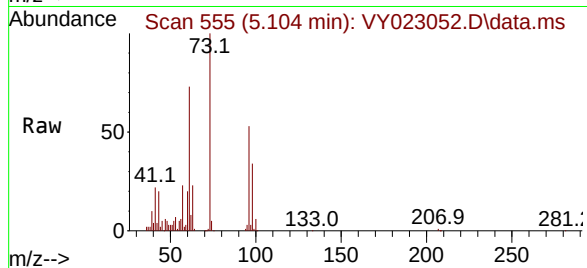
98 64.7 50.1 75.1

Manual Integrations

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Reviewed By :Mahesh Dadoda 08/14/2025

Supervised By :Semsettin Yesilyurt 08/14/2025



#22

Diisopropyl ether

Concen: 20.894 ug/l

RT: 6.012 min Scan# 704

Delta R.T. -0.006 min

Lab File: VY023052.D

Acq: 12 Aug 2025 15:40

Tgt Ion: 45 Resp: 346195

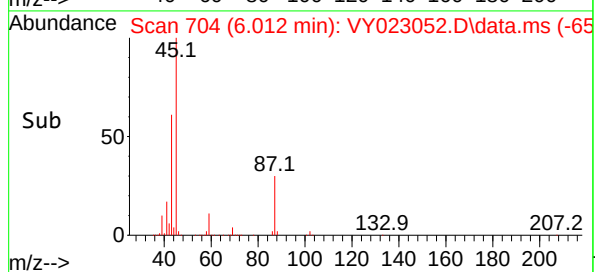
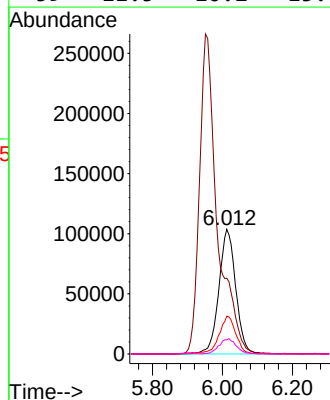
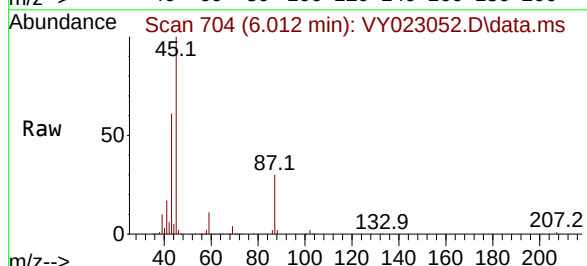
Ion Ratio Lower Upper

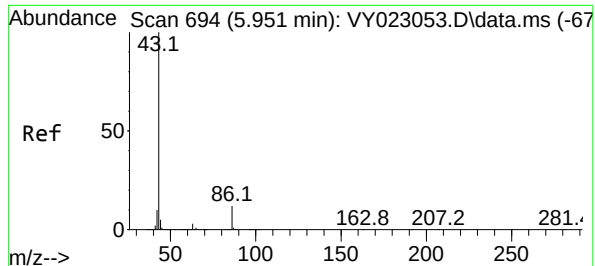
45 100

43 60.5 43.4 65.0

87 30.3 24.4 36.6

59 11.5 10.2 15.4





#23

Vinyl Acetate

Concen: 102.748 ug/l

RT: 5.951 min Scan# 694

Delta R.T. 0.000 min

Lab File: VY023052.D

Acq: 12 Aug 2025 15:40

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC020

Tgt Ion: 43 Resp: 941364

Ion Ratio Lower Upper

43 100

86 11.0

9.6

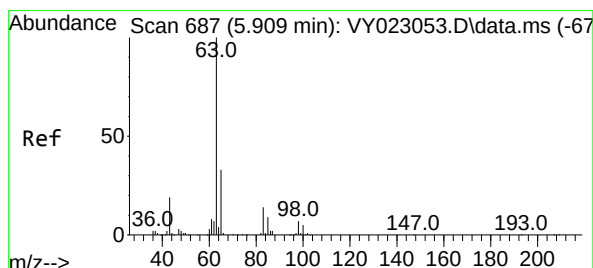
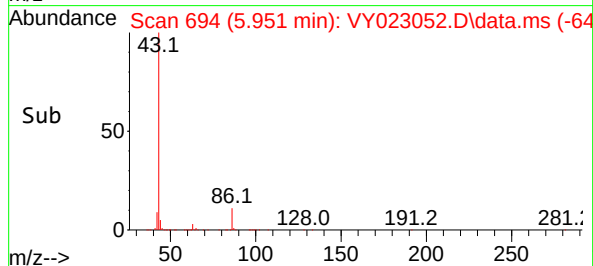
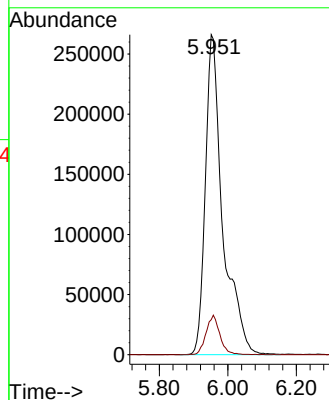
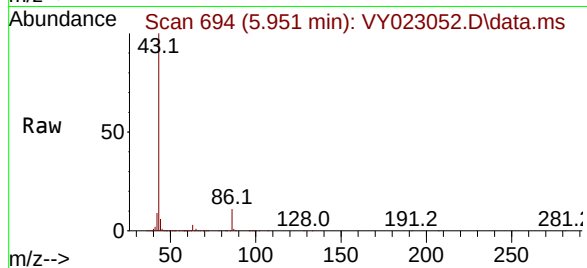
14.4

Manual Integrations

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Reviewed By :Mahesh Dadoda 08/14/2025

Supervised By :Semsettin Yesilyurt 08/14/2025



#24

1,1-Dichloroethane

Concen: 20.884 ug/l

RT: 5.909 min Scan# 687

Delta R.T. 0.000 min

Lab File: VY023052.D

Acq: 12 Aug 2025 15:40

Tgt Ion: 63 Resp: 211558

Ion Ratio Lower Upper

63 100

98 8.4

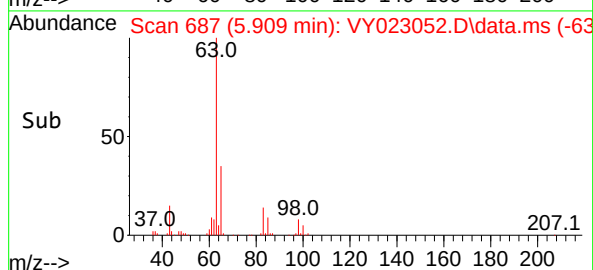
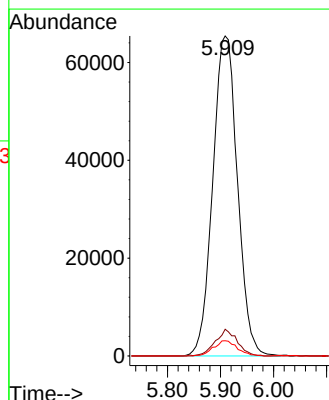
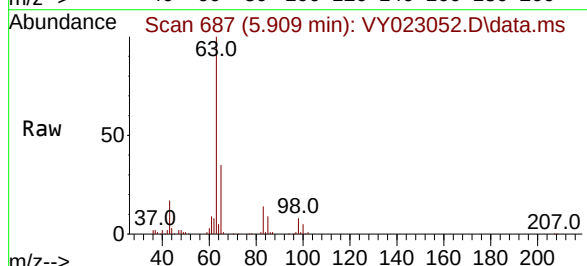
3.5

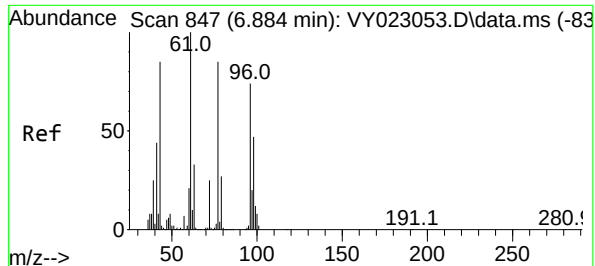
10.6

100 4.8

2.4

7.1





#25

2-Butanone

Concen: 101.559 ug/l

RT: 6.890 min Scan# 847

Delta R.T. 0.006 min

Lab File: VY023052.D

Acq: 12 Aug 2025 15:40

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC020

Tgt Ion: 43 Resp: 15336

Ion Ratio Lower Upper

43 100

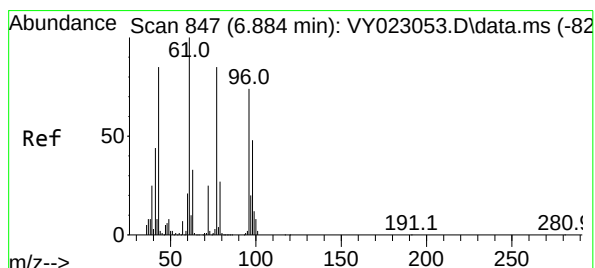
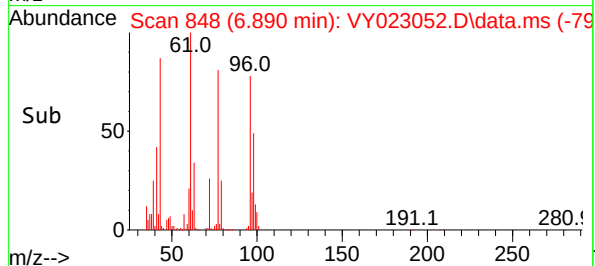
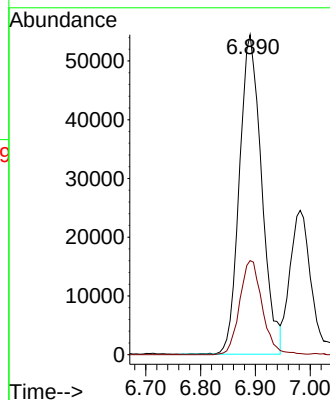
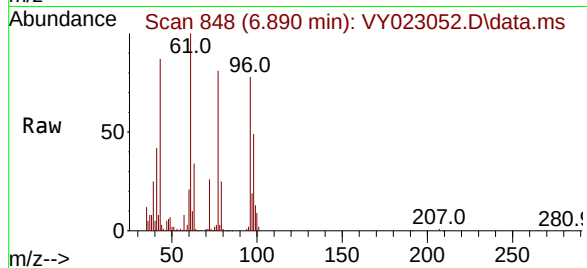
72 29.5 23.5 35.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025

Supervised By :Semsettin Yesilyurt 08/14/2025



#26

2,2-Dichloropropane

Concen: 20.767 ug/l

RT: 6.878 min Scan# 846

Delta R.T. -0.006 min

Lab File: VY023052.D

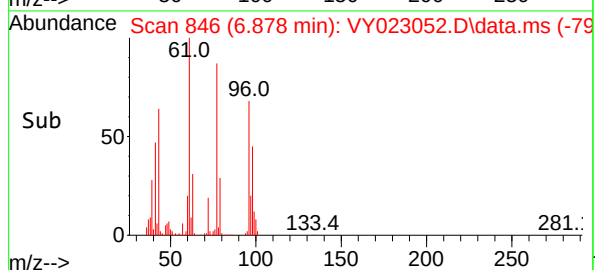
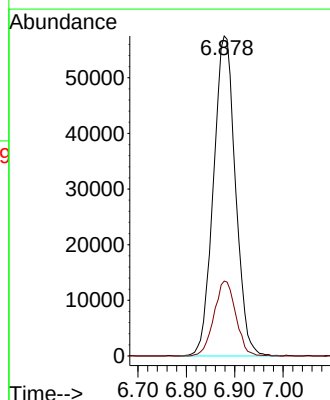
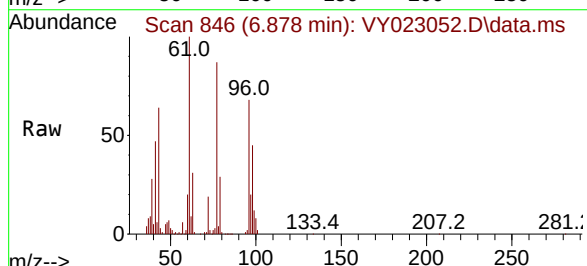
Acq: 12 Aug 2025 15:40

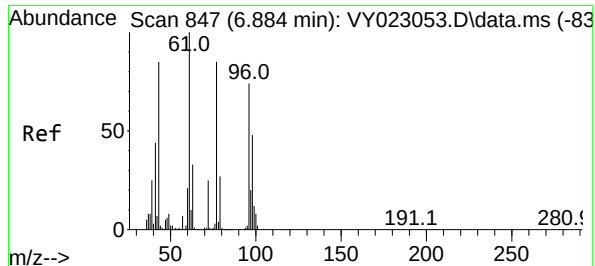
Tgt Ion: 77 Resp: 181528

Ion Ratio Lower Upper

77 100

97 23.2 11.6 34.8





#27

cis-1,2-Dichloroethene

Concen: 20.613 ug/l

RT: 6.884 min Scan# 847

Delta R.T. 0.000 min

Lab File: VY023052.D

Acq: 12 Aug 2025 15:40

Instrument :

MSVOA_Y

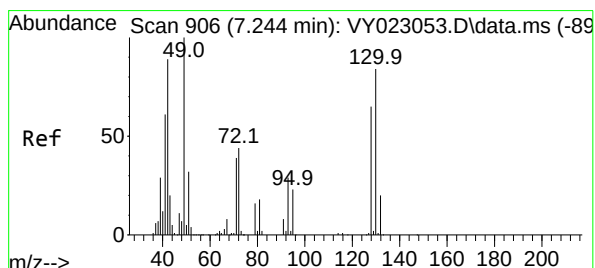
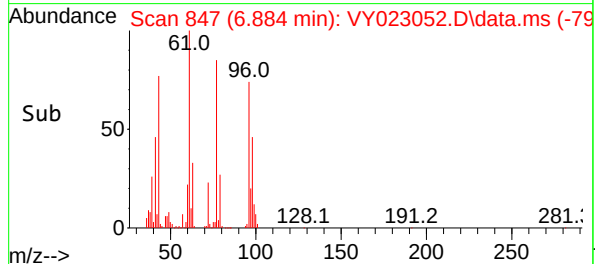
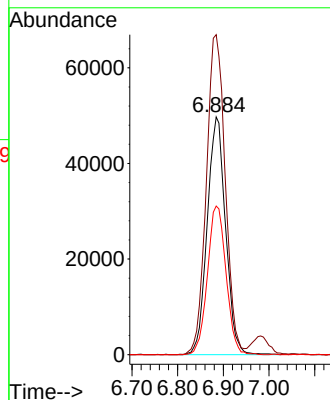
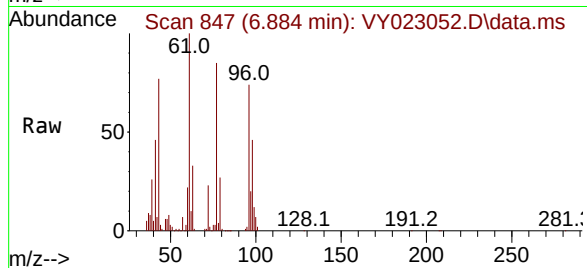
ClientSampleId :

VSTDICC020

Tgt Ion:	96	Resp:	13877
Ion	Ratio	Lower	Upper
96	100		
61	138.7	0.0	278.6
98	63.4	0.0	130.4

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025



#28

Bromochloromethane

Concen: 21.035 ug/l

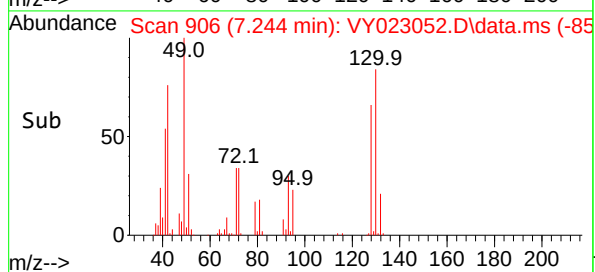
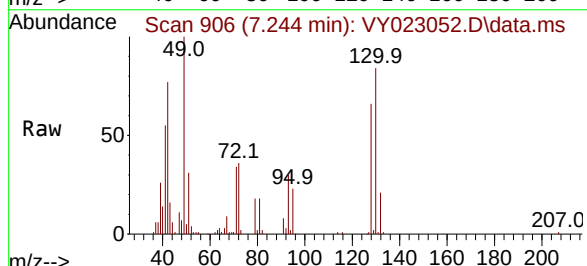
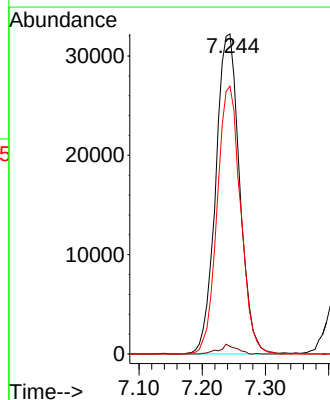
RT: 7.244 min Scan# 906

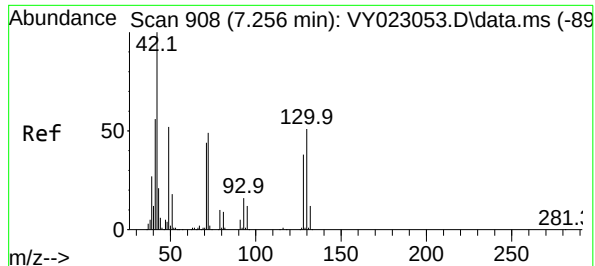
Delta R.T. 0.000 min

Lab File: VY023052.D

Acq: 12 Aug 2025 15:40

Tgt Ion:	49	Resp:	84540
Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.2
130	81.7	66.4	99.6





#29

Tetrahydrofuran

Concen: 102.341 ug/l

RT: 7.262 min Scan# 908

Delta R.T. 0.006 min

Lab File: VY023052.D

Acq: 12 Aug 2025 15:40

Instrument :

MSVOA_Y

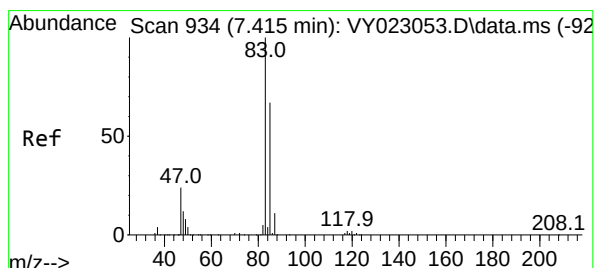
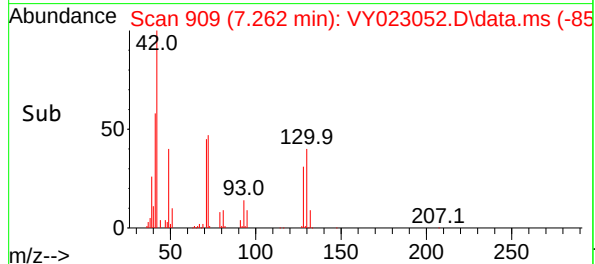
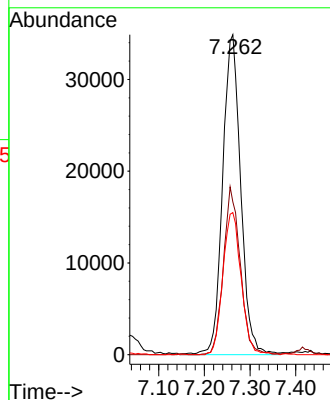
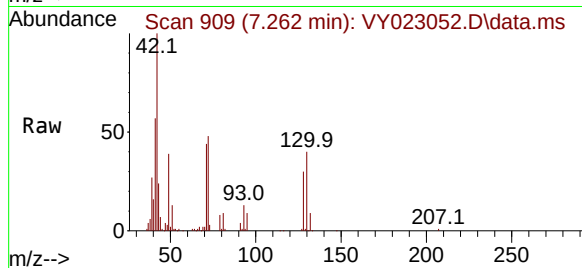
ClientSampleId :

VSTDICC020

Tgt Ion:	42	Resp:	9579
Ion	Ratio	Lower	Upper
42	100		
72	48.8	39.4	59.2
71	44.8	36.5	54.7

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025



#30

Chloroform

Concen: 20.635 ug/l

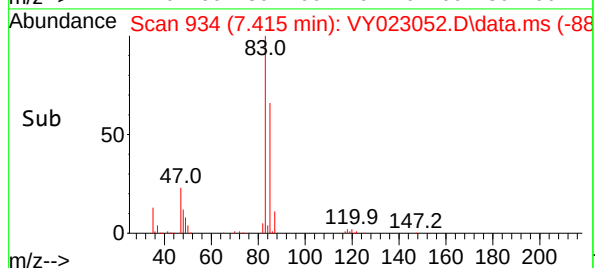
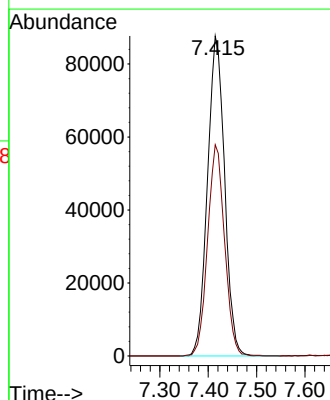
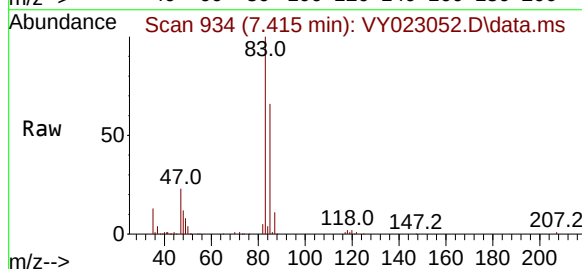
RT: 7.415 min Scan# 934

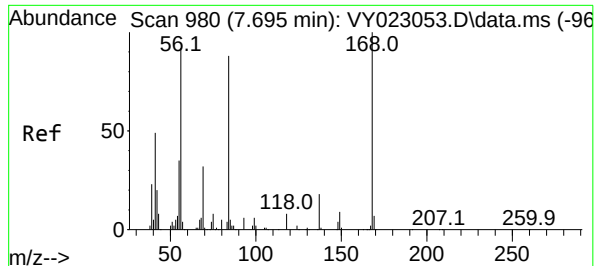
Delta R.T. 0.000 min

Lab File: VY023052.D

Acq: 12 Aug 2025 15:40

Tgt Ion:	83	Resp:	215585
Ion	Ratio	Lower	Upper
83	100		
85	66.0	53.8	80.8





#31

Cyclohexane

Concen: 20.393 ug/l

RT: 7.701 min Scan# 981

Delta R.T. 0.006 min

Lab File: VY023052.D

Acq: 12 Aug 2025 15:40

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC020

Tgt Ion: 56 Resp: 19467

Ion Ratio Lower Upper

56 100

69 39.1 28.2 42.2

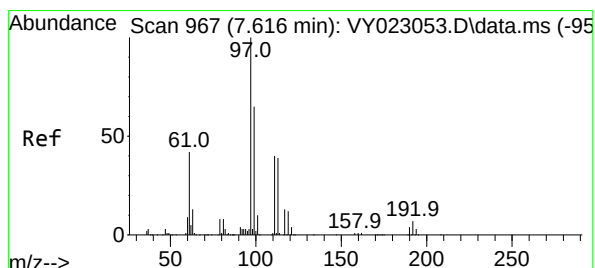
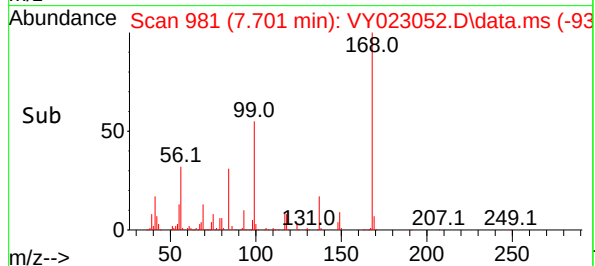
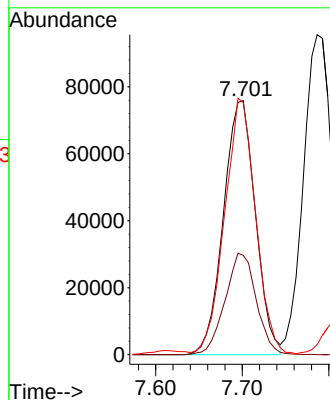
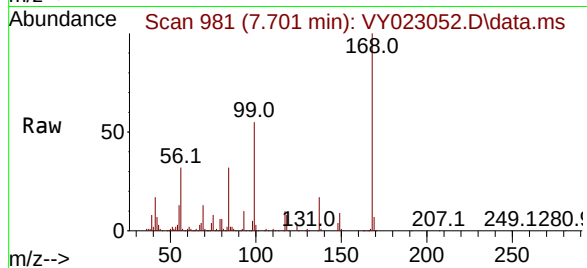
84 98.0 76.6 114.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025

Supervised By :Semsettin Yesilyurt 08/14/2025



#32

1,1,1-Trichloroethane

Concen: 20.848 ug/l

RT: 7.610 min Scan# 966

Delta R.T. -0.006 min

Lab File: VY023052.D

Acq: 12 Aug 2025 15:40

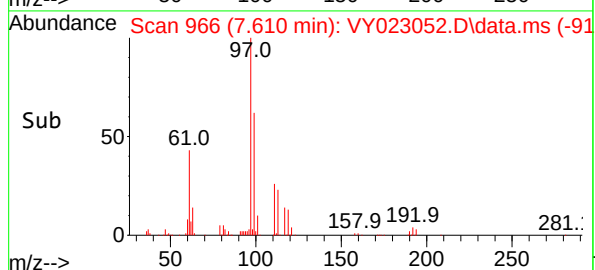
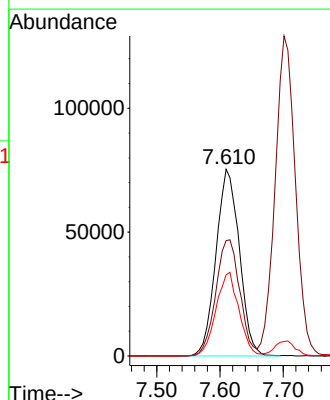
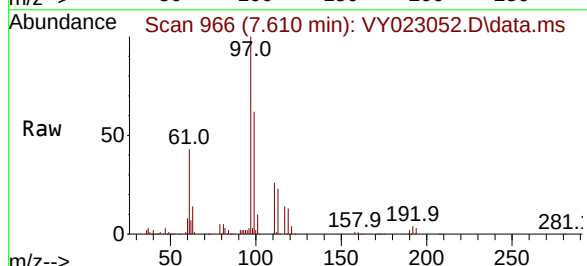
Tgt Ion: 97 Resp: 193268

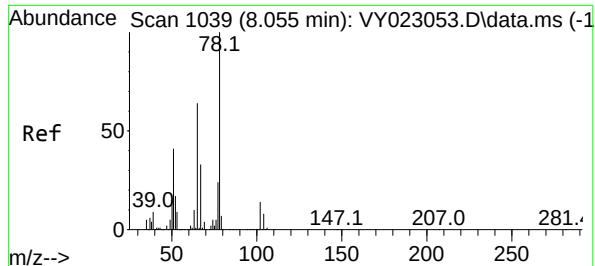
Ion Ratio Lower Upper

97 100

99 64.1 51.6 77.4

61 43.9 34.2 51.2





#33

1,2-Dichloroethane-d4

Concen: 20.244 ug/l

RT: 8.055 min Scan# 1039

Delta R.T. 0.000 min

Lab File: VY023052.D

Acq: 12 Aug 2025 15:40

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tgt Ion: 65 Resp: 10375

Ion Ratio Lower Upper

65 100

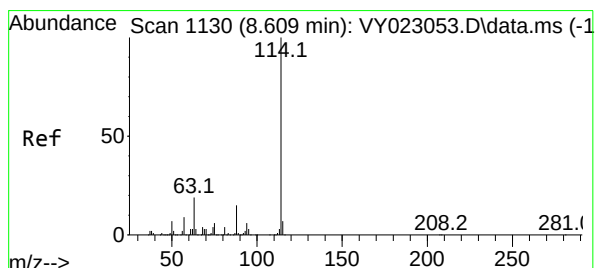
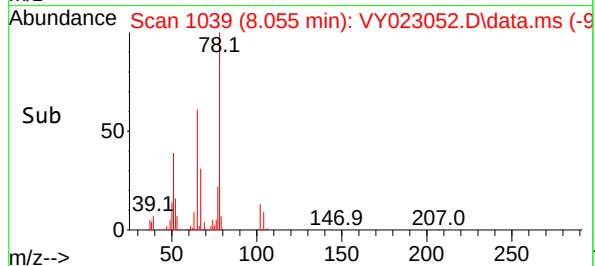
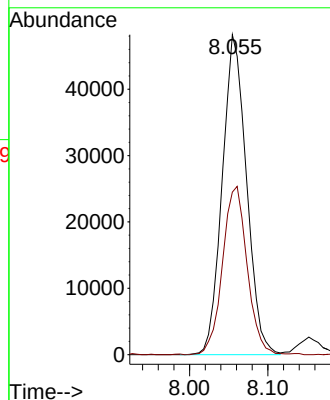
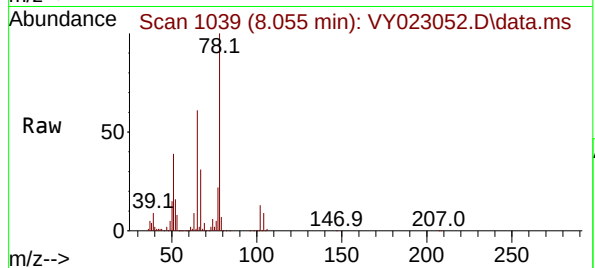
67 53.4 0.0 106.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025

Supervised By :Semsettin Yesilyurt 08/14/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.610 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VY023052.D

Acq: 12 Aug 2025 15:40

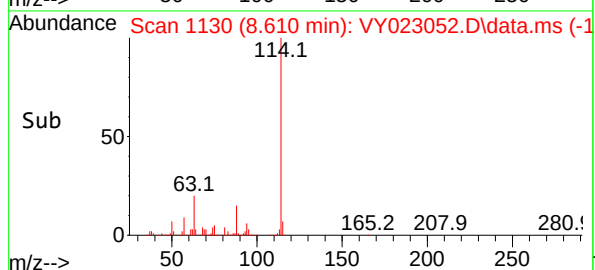
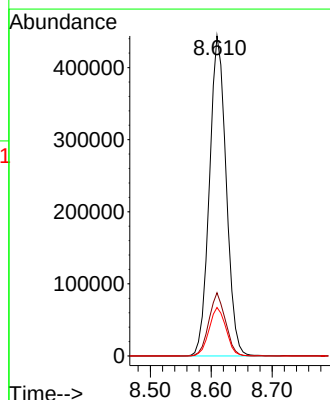
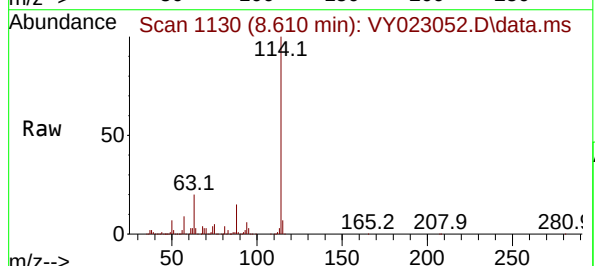
Tgt Ion:114 Resp: 848953

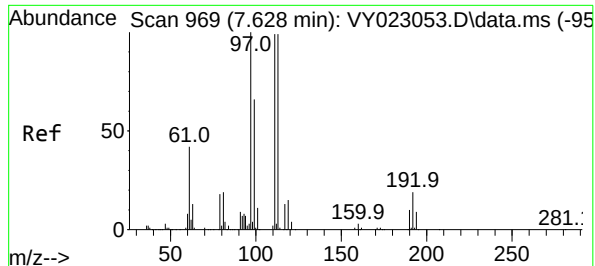
Ion Ratio Lower Upper

114 100

63 19.8 0.0 38.4

88 15.2 0.0 30.0





#35

Dibromofluoromethane

Concen: 20.093 ug/l

RT: 7.628 min Scan# 90

Delta R.T. 0.000 min

Lab File: VY023052.D

Acq: 12 Aug 2025 15:40

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tgt Ion:113 Resp: 102068

Ion Ratio Lower Upper

113 100

111 103.9 81.1 121.7

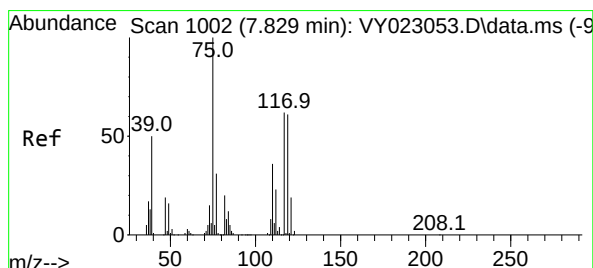
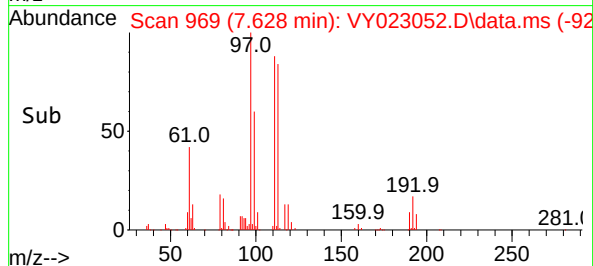
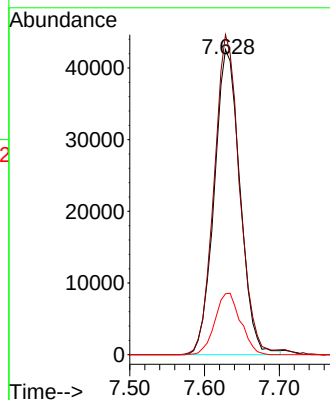
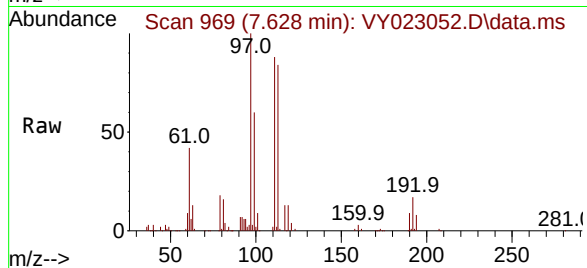
192 20.1 16.2 24.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025

Supervised By :Semsettin Yesilyurt 08/14/2025



#36

1,1-Dichloropropene

Concen: 20.746 ug/l

RT: 7.835 min Scan# 1003

Delta R.T. 0.006 min

Lab File: VY023052.D

Acq: 12 Aug 2025 15:40

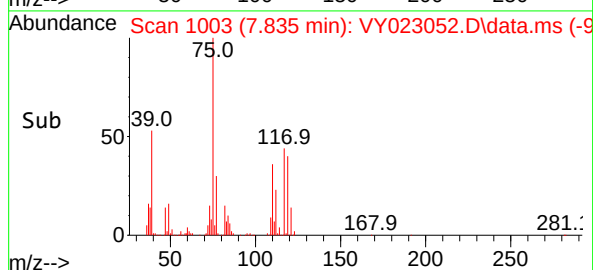
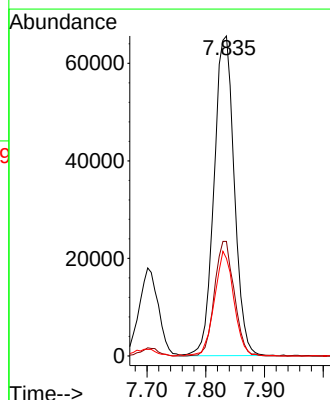
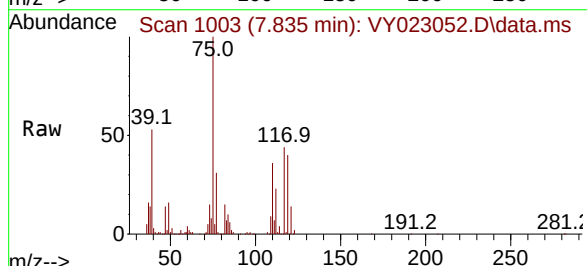
Tgt Ion: 75 Resp: 156617

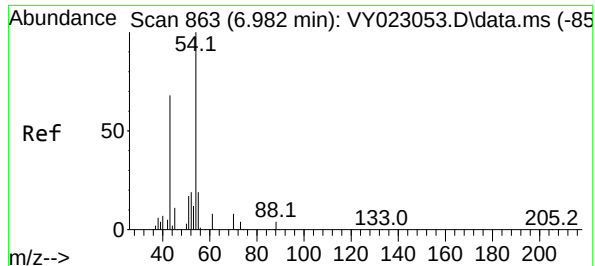
Ion Ratio Lower Upper

75 100

110 35.1 18.1 54.4

77 31.6 24.6 37.0





#37

Ethyl Acetate

Concen: 20.944 ug/l

RT: 6.982 min Scan# 80

Delta R.T. 0.000 min

Lab File: VY023052.D

Acq: 12 Aug 2025 15:40

Instrument :

MSVOA_Y

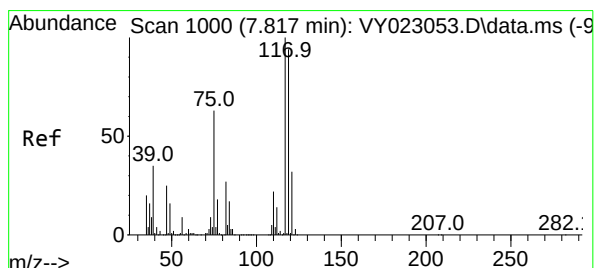
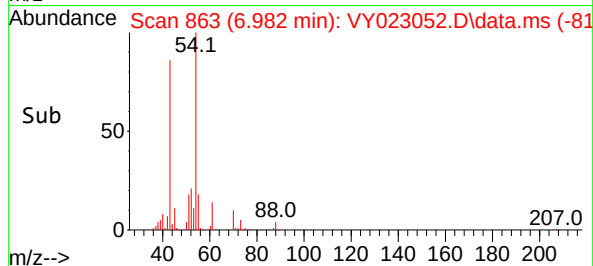
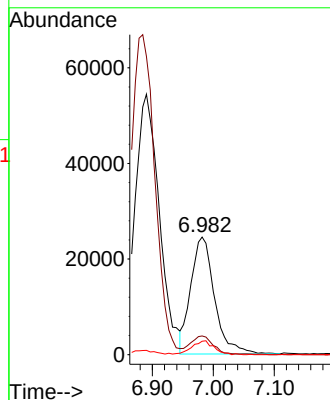
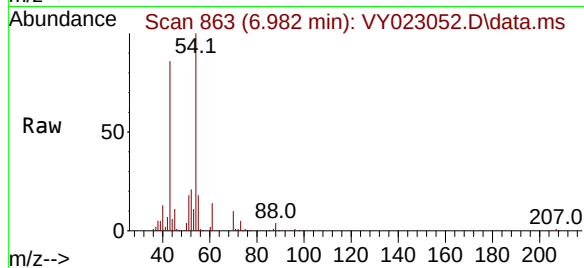
ClientSampleId :

VSTDICC020

Tgt Ion:	43	Resp:	66420
Ion	Ratio	Lower	Upper
43	100		
61	14.8	11.9	17.9
70	11.0	8.8	13.2

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025



#38

Carbon Tetrachloride

Concen: 20.897 ug/l

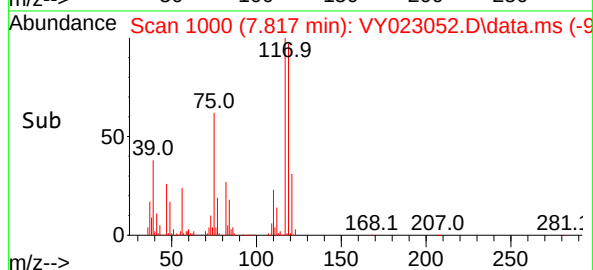
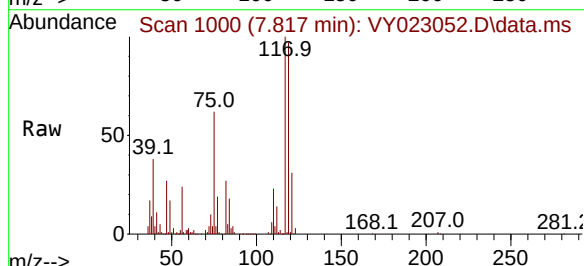
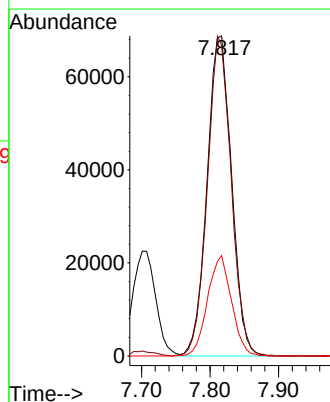
RT: 7.817 min Scan# 1000

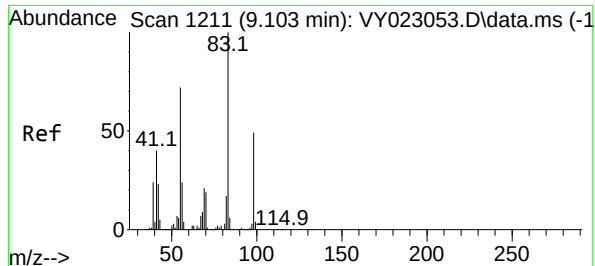
Delta R.T. 0.000 min

Lab File: VY023052.D

Acq: 12 Aug 2025 15:40

Tgt Ion:	117	Resp:	171344
Ion	Ratio	Lower	Upper
117	100		
119	97.0	75.6	113.4
121	31.3	25.8	38.8





#39

Methylcyclohexane

Concen: 20.680 ug/l

RT: 9.103 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY023052.D

Acq: 12 Aug 2025 15:40

Instrument :

MSVOA_Y

ClientSampleId :

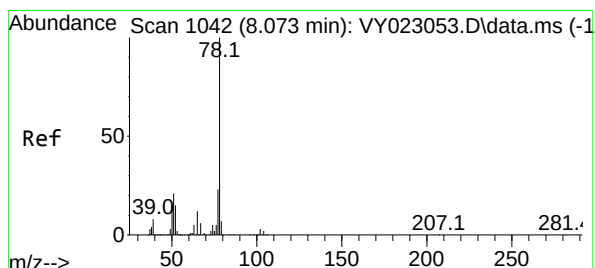
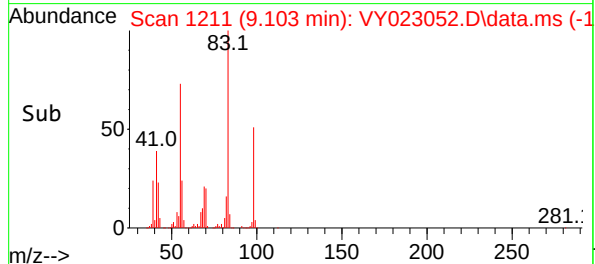
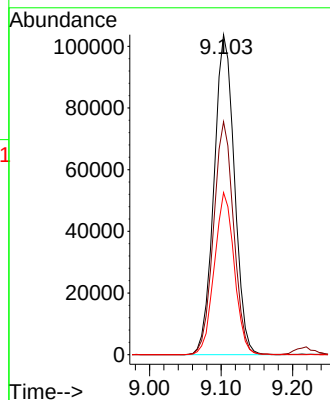
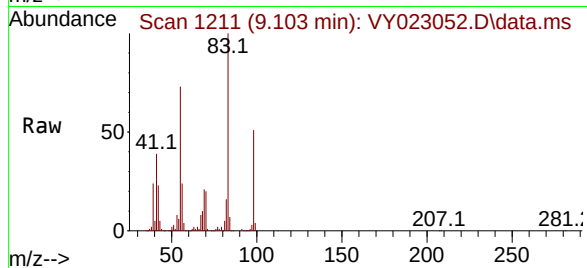
VSTDICC020

Tgt Ion:	83	Resp:	205594
Ion	Ratio	Lower	Upper
83	100		
55	72.8	57.6	86.4
98	50.7	39.2	58.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025



#40

Benzene

Concen: 20.871 ug/l

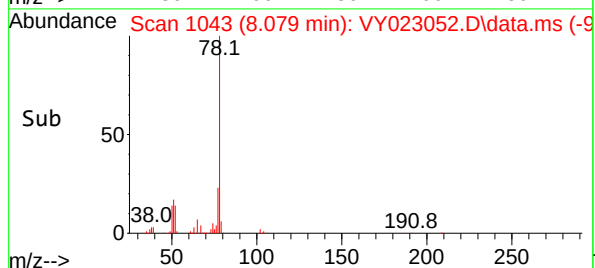
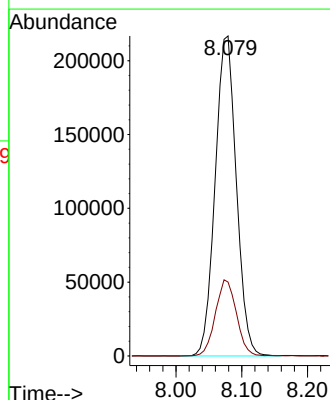
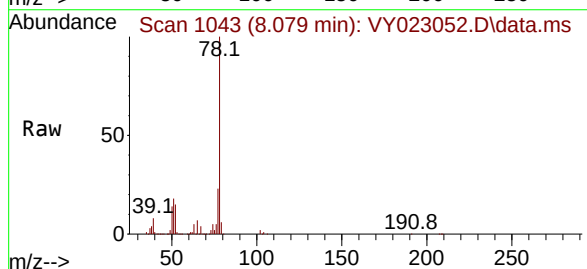
RT: 8.079 min Scan# 1043

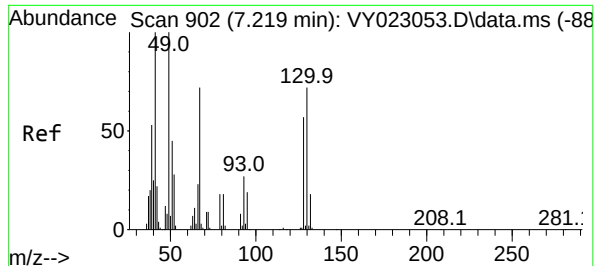
Delta R.T. 0.006 min

Lab File: VY023052.D

Acq: 12 Aug 2025 15:40

Tgt Ion:	78	Resp:	485631
Ion	Ratio	Lower	Upper
78	100		
77	23.1	18.6	28.0





#41

Methacrylonitrile

Concen: 20.623 ug/l m

RT: 7.226 min Scan# 902

Delta R.T. 0.006 min

Lab File: VY023052.D

Acq: 12 Aug 2025 15:40

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tgt Ion: 41 Resp: 3778

Ion Ratio Lower Upper

41 100

39 62.3 43.4 65.2

67 0.0 63.6 95.4

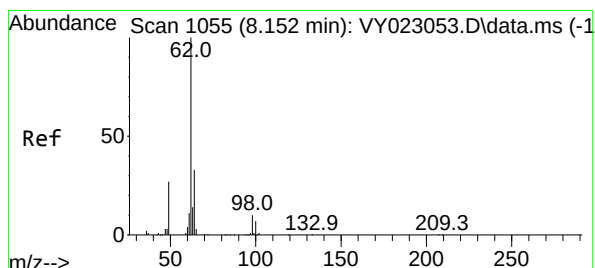
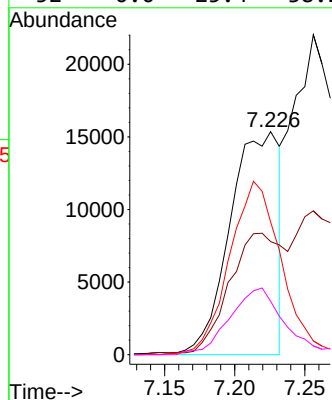
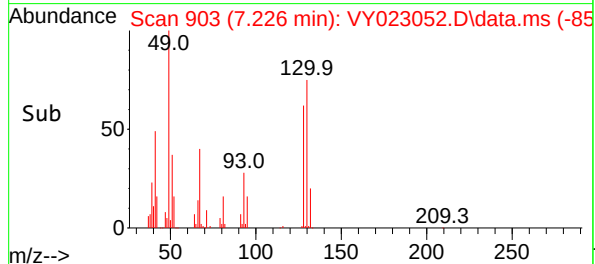
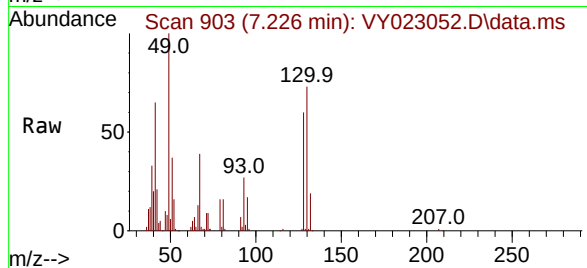
52 0.0 25.4 38.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025

Supervised By :Semsettin Yesilyurt 08/14/2025



#42

1,2-Dichloroethane

Concen: 20.839 ug/l

RT: 8.152 min Scan# 1055

Delta R.T. 0.000 min

Lab File: VY023052.D

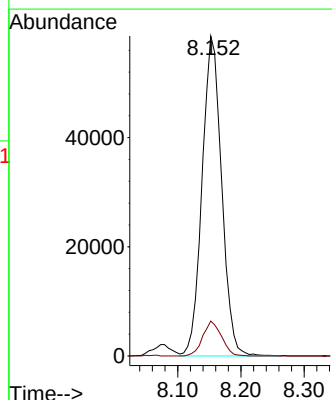
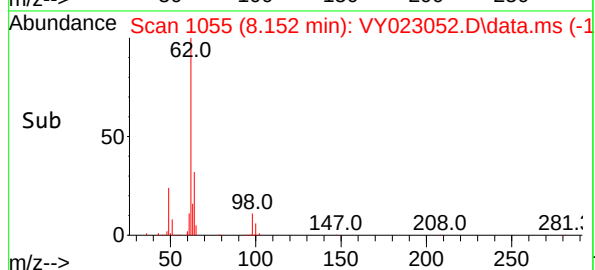
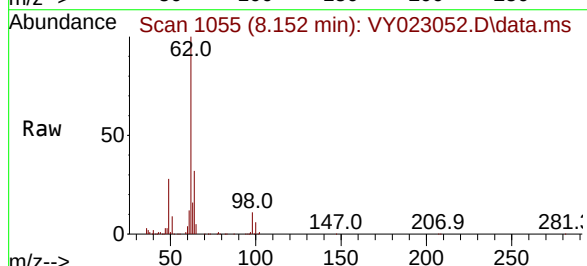
Acq: 12 Aug 2025 15:40

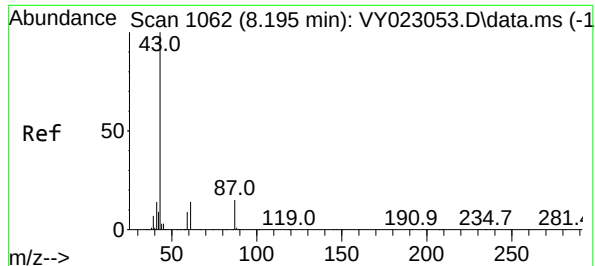
Tgt Ion: 62 Resp: 126111

Ion Ratio Lower Upper

62 100

98 10.4 0.0 20.6





#43

Isopropyl Acetate

Concen: 20.571 ug/l

RT: 8.195 min Scan# 1062

Delta R.T. 0.000 min

Lab File: VY023052.D

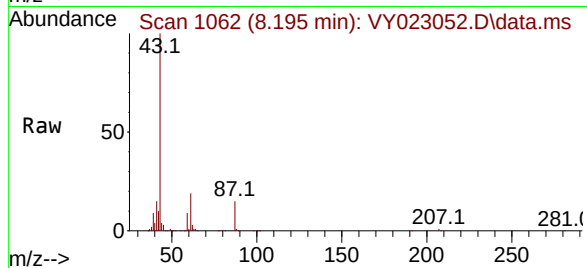
Acq: 12 Aug 2025 15:40

Instrument :

MSVOA_Y

ClientSampleId :

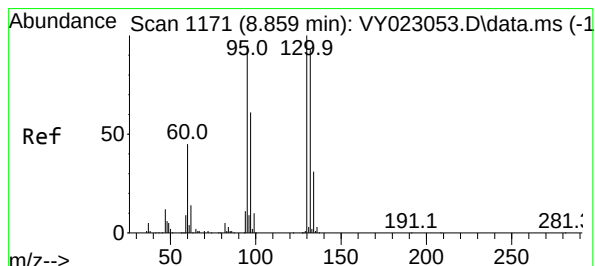
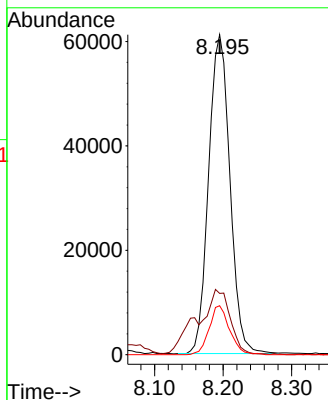
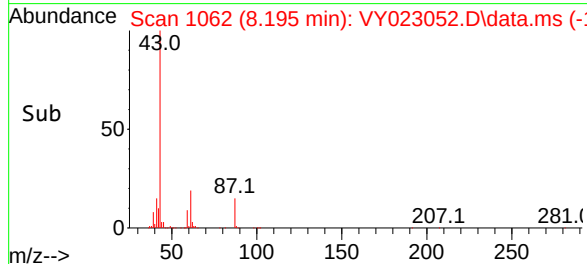
VSTDICC020



Tgt Ion:	43	Resp:	131854
Ion	Ratio	Lower	Upper
43	100		
61	22.2	16.4	24.6
87	14.7	11.8	17.6

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025



#44

Trichloroethene

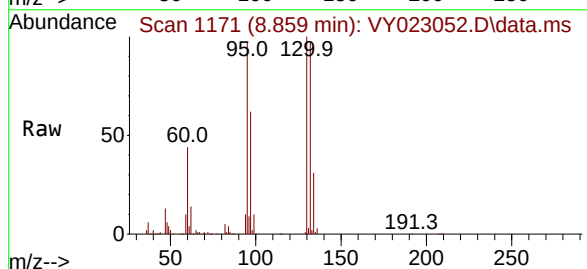
Concen: 21.083 ug/l

RT: 8.859 min Scan# 1171

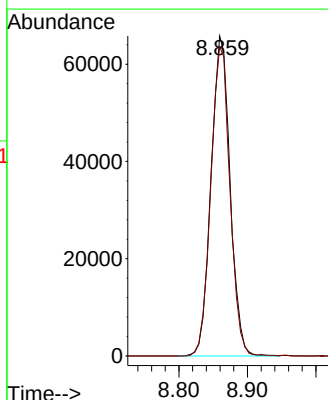
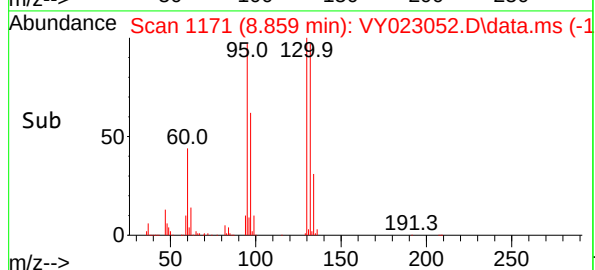
Delta R.T. 0.000 min

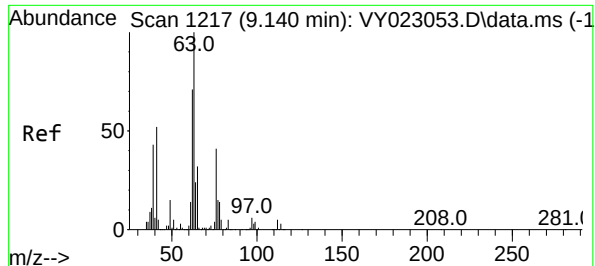
Lab File: VY023052.D

Acq: 12 Aug 2025 15:40



Tgt Ion:	130	Resp:	126772
Ion	Ratio	Lower	Upper
130	100		
95	96.6	0.0	190.2





#45

1,2-Dichloropropane

Concen: 20.677 ug/l

RT: 9.134 min Scan# 110699

Delta R.T. -0.006 min

Lab File: VY023052.D

Acq: 12 Aug 2025 15:40

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tgt Ion: 63 Resp: 110699

Ion Ratio Lower Upper

63 100

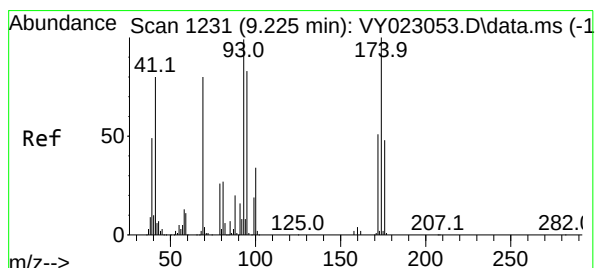
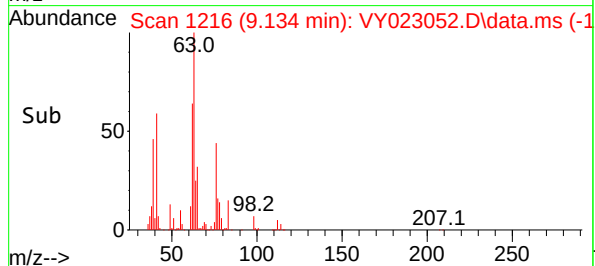
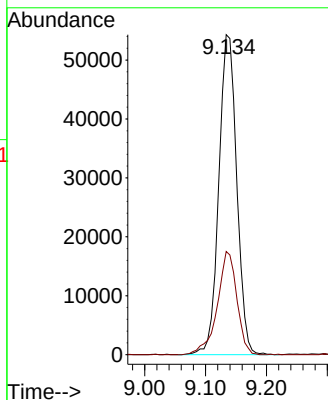
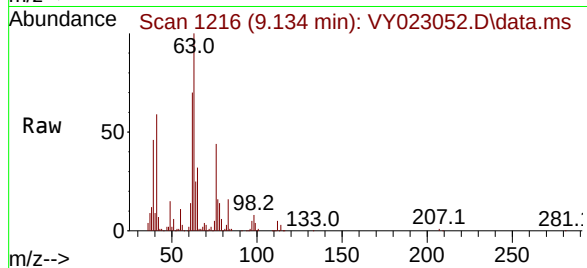
65 32.2 25.3 37.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025

Supervised By :Semsettin Yesilyurt 08/14/2025



#46

Dibromomethane

Concen: 20.635 ug/l

RT: 9.225 min Scan# 1231

Delta R.T. 0.000 min

Lab File: VY023052.D

Acq: 12 Aug 2025 15:40

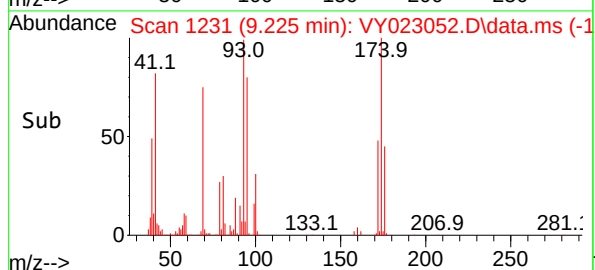
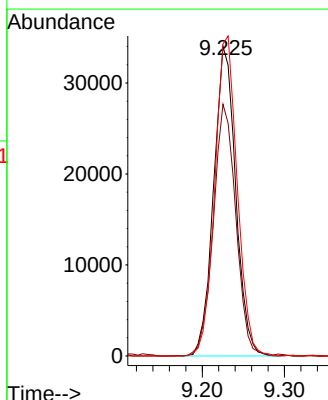
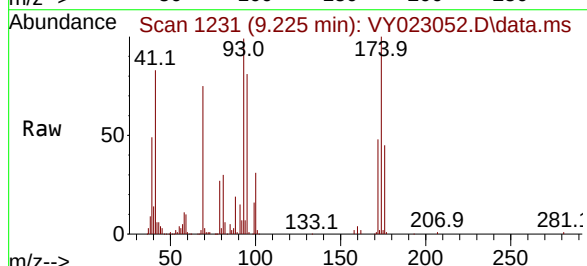
Tgt Ion: 93 Resp: 63410

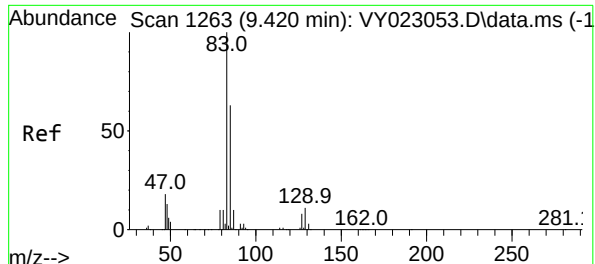
Ion Ratio Lower Upper

93 100

95 82.8 66.5 99.7

174 105.0 81.8 122.8





#47

Bromodichloromethane

Concen: 20.988 ug/l

RT: 9.420 min Scan# 1263

Delta R.T. 0.000 min

Lab File: VY023052.D

Acq: 12 Aug 2025 15:40

Instrument :

MSVOA_Y

ClientSampleId :

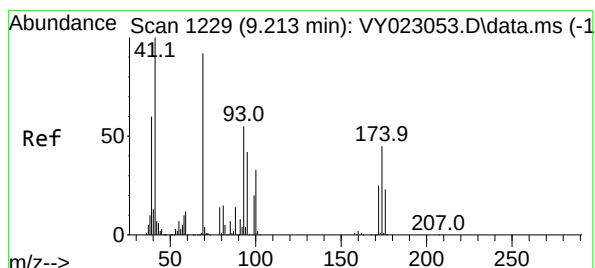
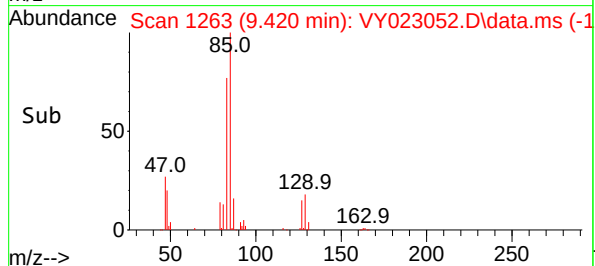
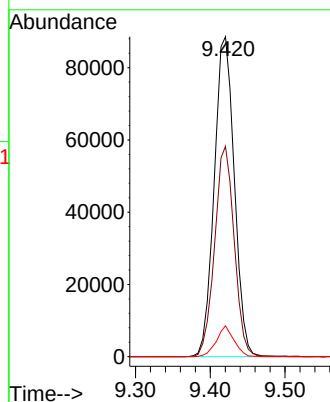
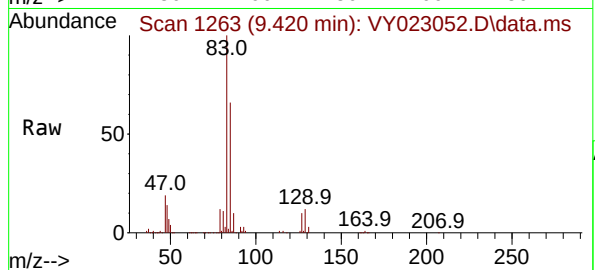
VSTDIC020

Tgt Ion:	83	Resp:	165954
Ion	Ratio	Lower	Upper
83	100		
85	65.8	50.2	75.4
127	9.6	6.6	10.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025



#48

Methyl methacrylate

Concen: 20.905 ug/l

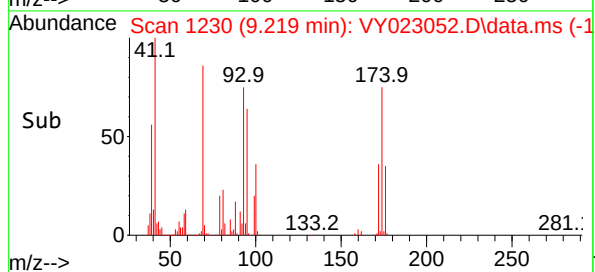
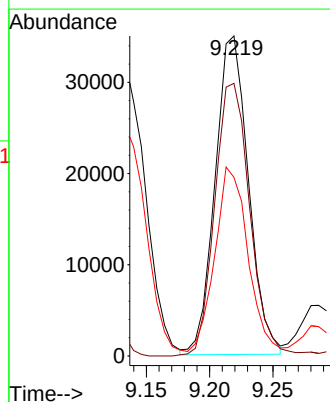
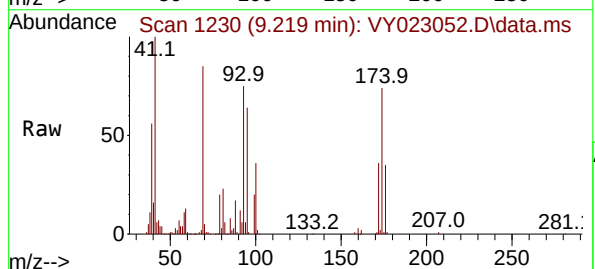
RT: 9.219 min Scan# 1230

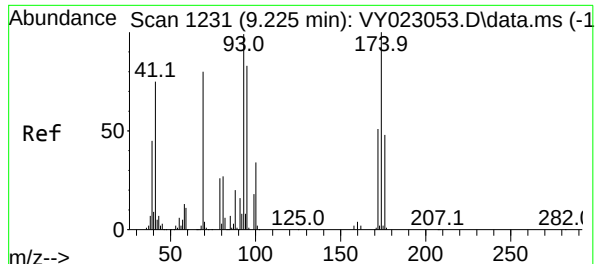
Delta R.T. 0.006 min

Lab File: VY023052.D

Acq: 12 Aug 2025 15:40

Tgt Ion:	41	Resp:	64120
Ion	Ratio	Lower	Upper
41	100		
69	89.9	73.2	109.8
39	57.0	47.0	70.4





#49

1,4-Dioxane

Concen: 411.480 ug/l

RT: 9.225 min Scan# 1231

Delta R.T. 0.000 min

Lab File: VY023052.D

Acq: 12 Aug 2025 15:40

Instrument :

MSVOA_Y

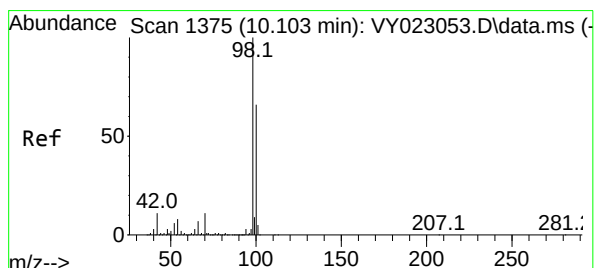
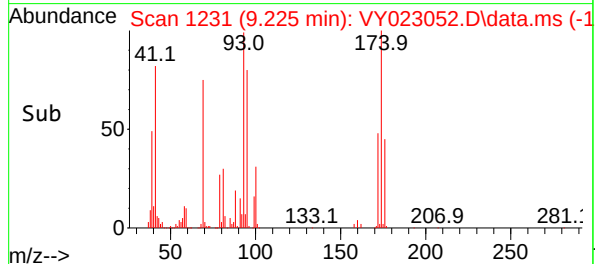
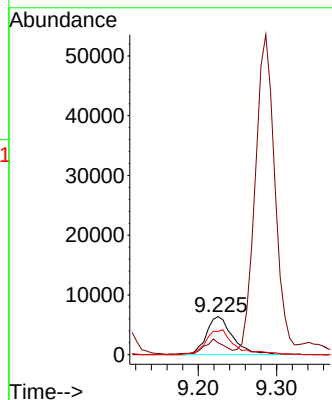
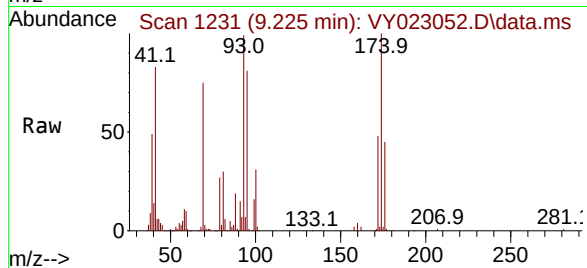
ClientSampleId :

VSTDIC020

Tgt Ion:	88	Resp:	14820
Ion	Ratio	Lower	Upper
88	100		
43	29.7	24.3	36.5
58	71.4	55.4	83.0

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025



#50

Toluene-d8

Concen: 20.075 ug/l

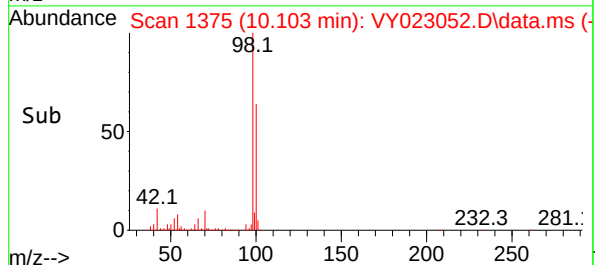
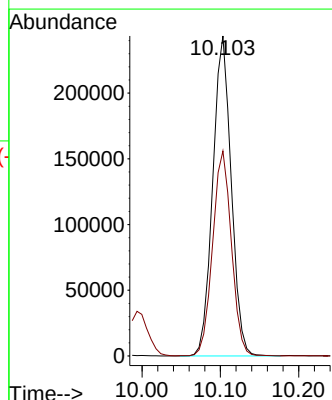
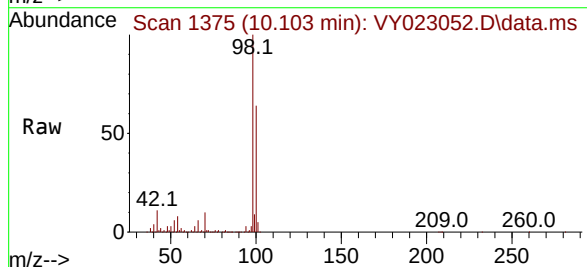
RT: 10.103 min Scan# 1375

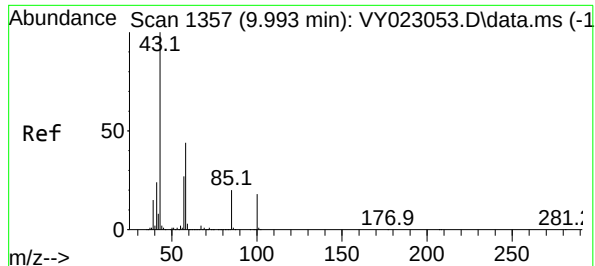
Delta R.T. 0.000 min

Lab File: VY023052.D

Acq: 12 Aug 2025 15:40

Tgt Ion:	98	Resp:	398394
Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.3	78.5





#51

4-Methyl-2-Pentanone

Concen: 102.622 ug/l

RT: 9.993 min Scan# 1357

Delta R.T. 0.000 min

Lab File: VY023052.D

Acq: 12 Aug 2025 15:40

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC020

Tgt Ion: 43 Resp: 339298

Ion Ratio Lower Upper

43 100

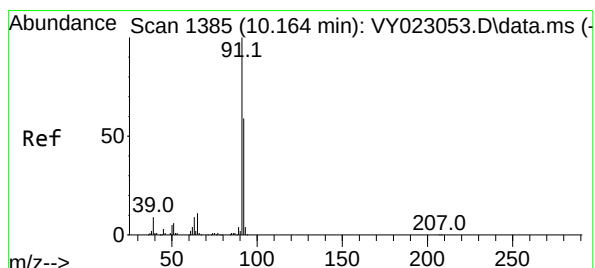
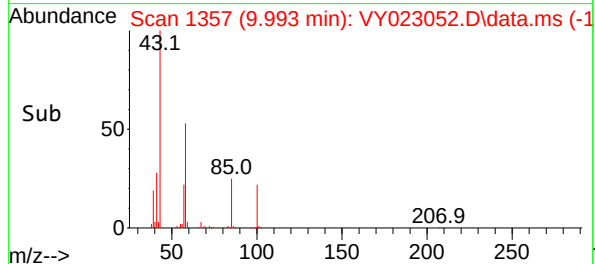
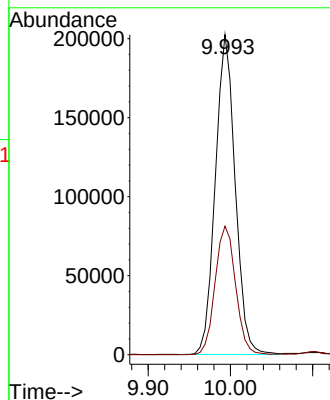
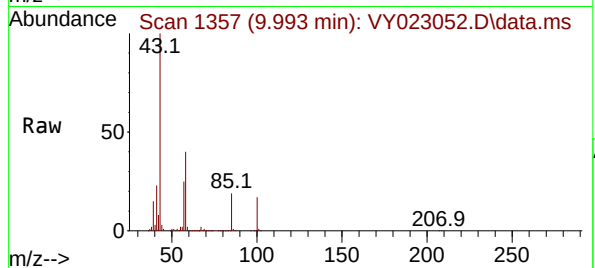
58 41.6 33.5 50.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025

Supervised By :Semsettin Yesilyurt 08/14/2025



#52

Toluene

Concen: 20.719 ug/l

RT: 10.164 min Scan# 1385

Delta R.T. 0.000 min

Lab File: VY023052.D

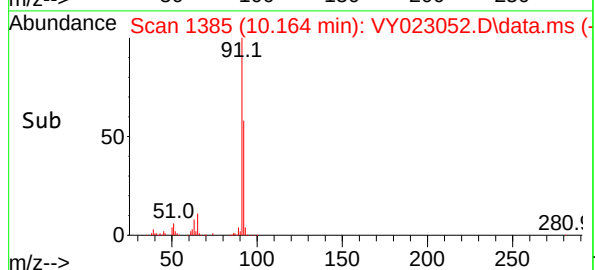
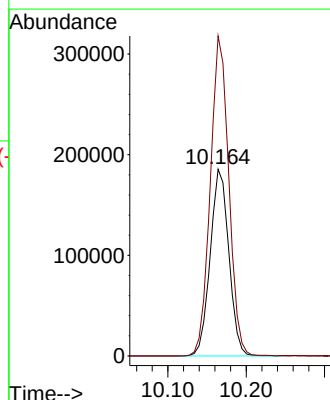
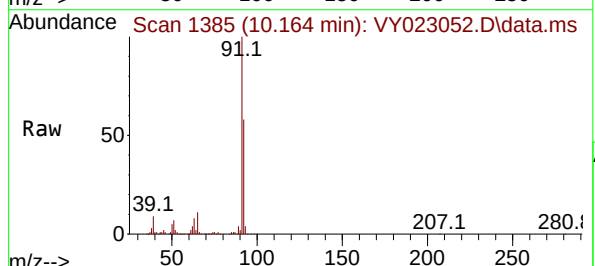
Acq: 12 Aug 2025 15:40

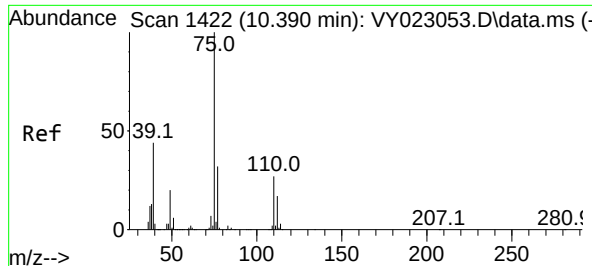
Tgt Ion: 92 Resp: 306193

Ion Ratio Lower Upper

92 100

91 170.2 136.4 204.6





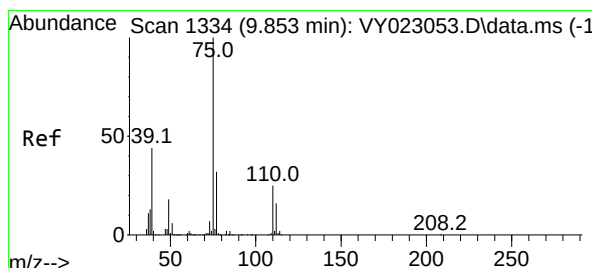
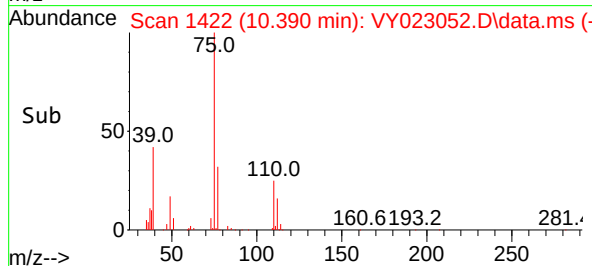
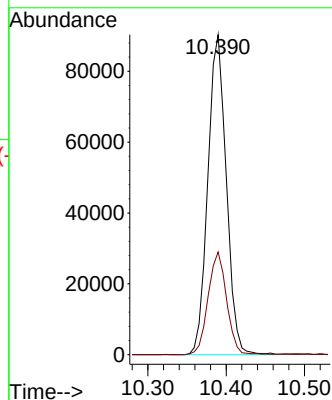
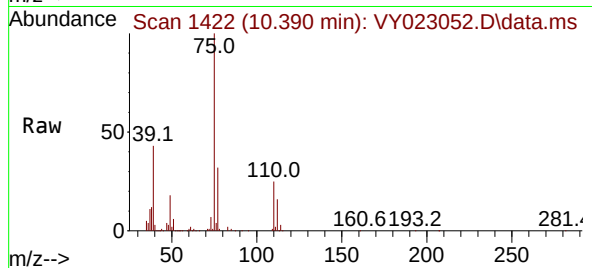
#53
t-1,3-Dichloropropene
Concen: 20.627 ug/l
RT: 10.390 min Scan# 1422
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 75 Resp: 147690
Ion Ratio Lower Upper
75 100
77 32.1 25.7 38.5

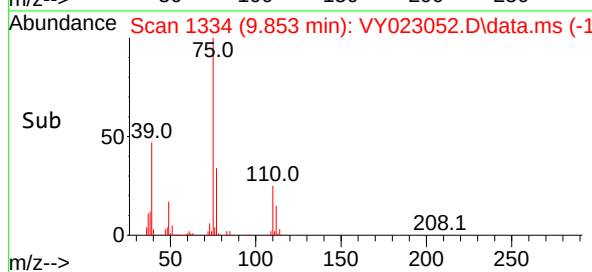
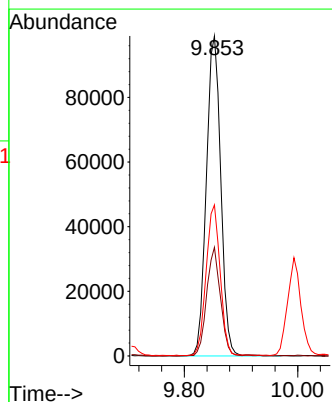
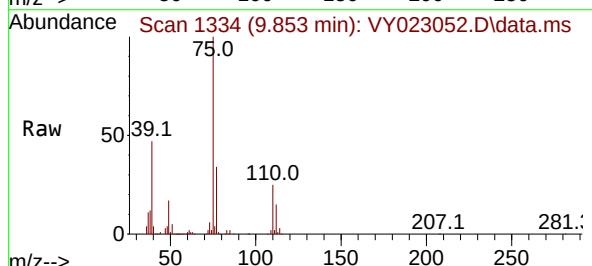
Manual Integrations
APPROVED

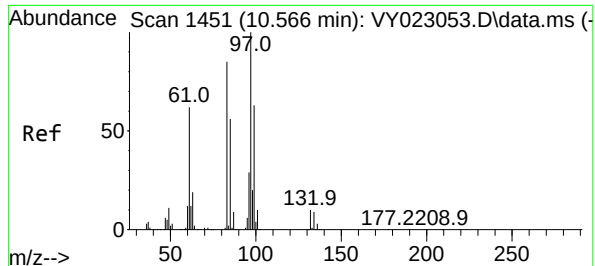
Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025



#54
cis-1,3-Dichloropropene
Concen: 20.580 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

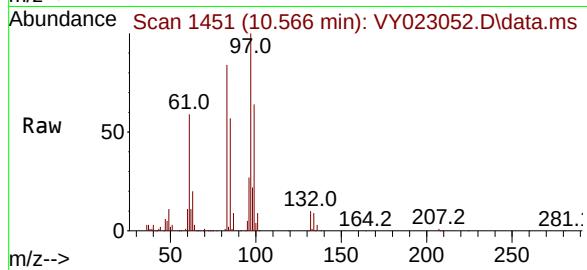
Tgt Ion: 75 Resp: 174243
Ion Ratio Lower Upper
75 100
77 33.9 25.4 38.0
39 47.1 35.6 53.4





#55
1,1,2-Trichloroethane
Concen: 20.920 ug/l
RT: 10.566 min Scan# 1451
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

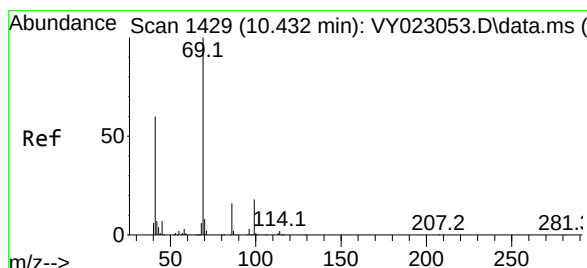
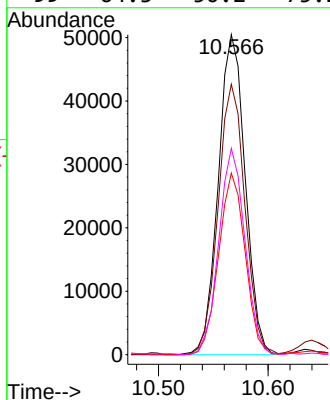
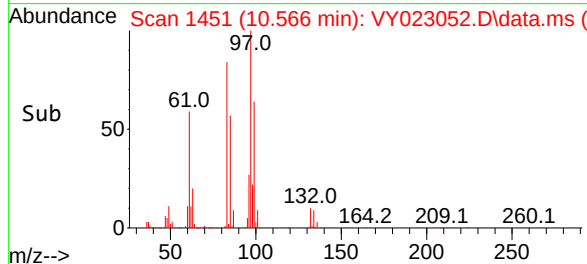
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020



Tgt Ion: 97 Resp: 8602
Ion Ratio Lower Upper
97 100
83 84.5 67.7 101.5
85 56.7 44.5 66.7
99 64.3 50.2 75.2

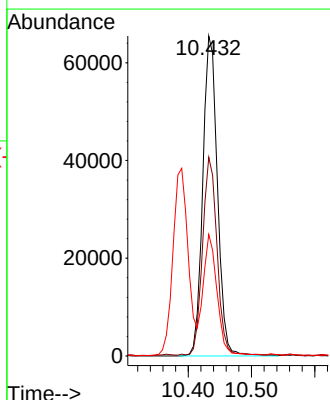
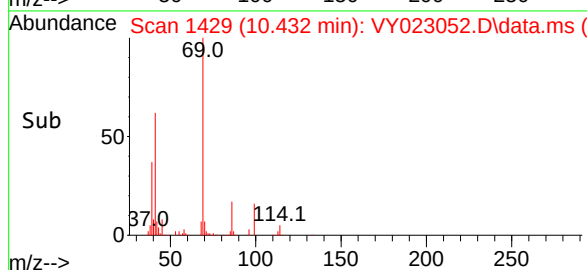
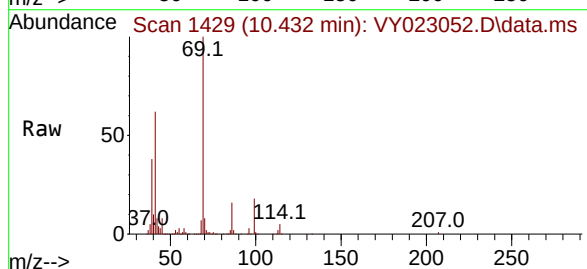
Manual Integrations
APPROVED

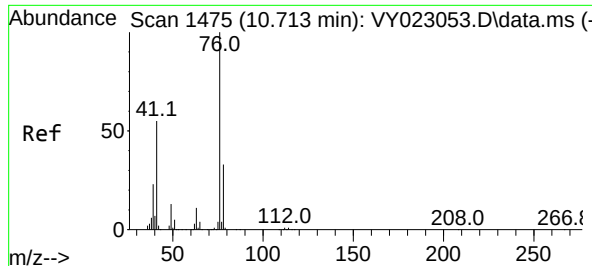
Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025



#56
Ethyl methacrylate
Concen: 20.111 ug/l
RT: 10.432 min Scan# 1429
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

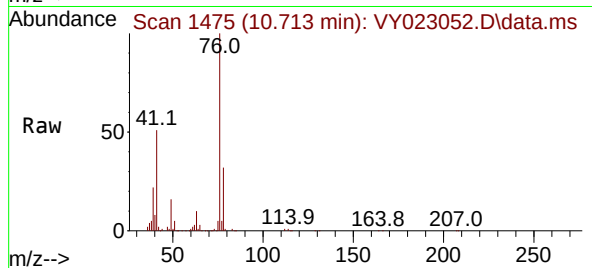
Tgt Ion: 69 Resp: 105816
Ion Ratio Lower Upper
69 100
41 61.2 48.6 72.8
39 34.7 27.0 40.4





#57
1,3-Dichloropropane
Concen: 20.882 ug/l
RT: 10.713 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

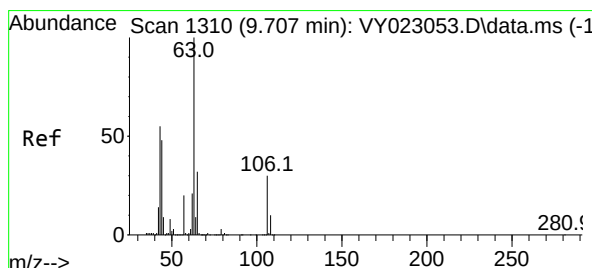
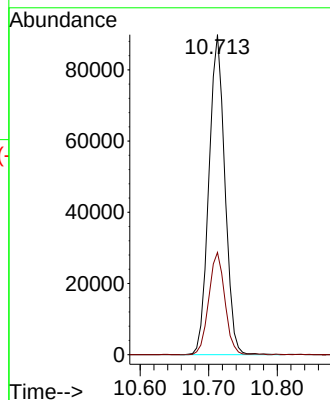
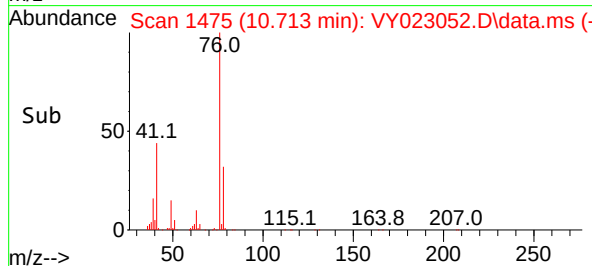
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020



Tgt Ion: 76 Resp: 14562
Ion Ratio Lower Upper
76 100
78 32.1 26.0 39.0

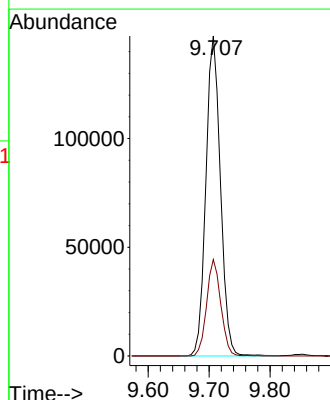
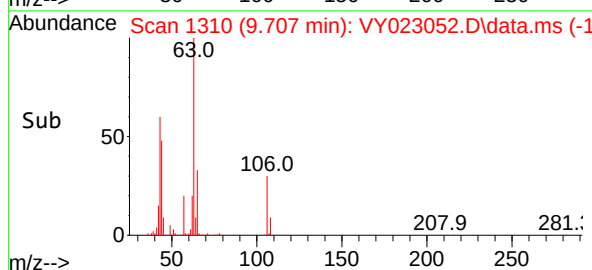
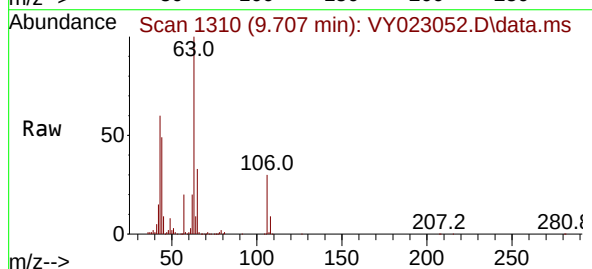
Manual Integrations
APPROVED

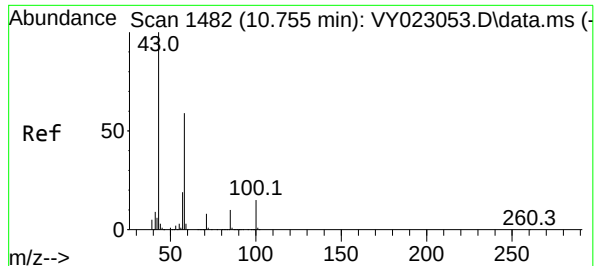
Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025



#58
2-Chloroethyl Vinyl ether
Concen: 98.450 ug/l
RT: 9.707 min Scan# 1310
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

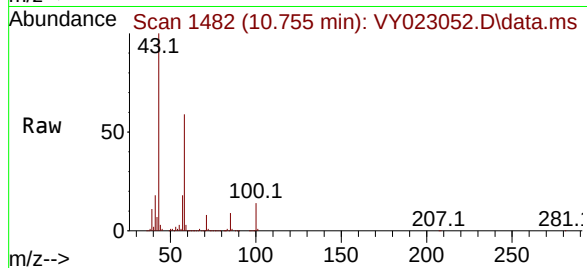
Tgt Ion: 63 Resp: 244340
Ion Ratio Lower Upper
63 100
106 29.3 23.2 34.8





#59
2-Hexanone
Concen: 102.992 ug/l
RT: 10.755 min Scan# 1482
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

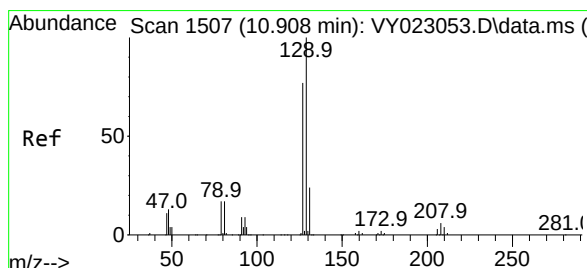
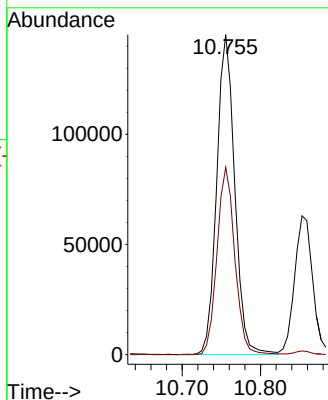
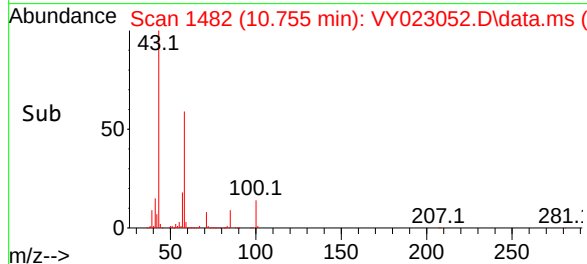
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020



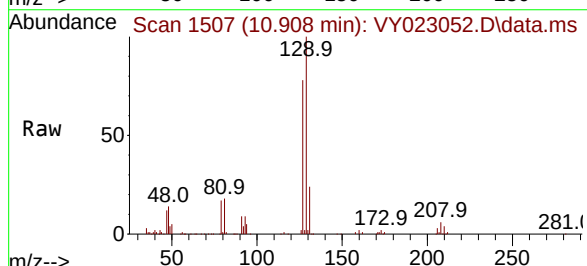
Tgt Ion: 43 Resp: 231872
Ion Ratio Lower Upper
43 100
58 58.1 29.5 88.5

Manual Integrations
APPROVED

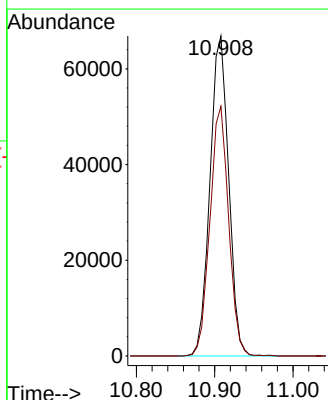
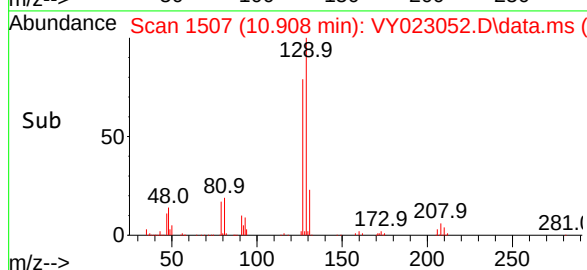
Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025

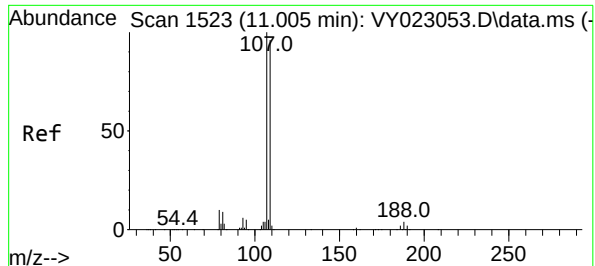


#60
Dibromochloromethane
Concen: 20.424 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40



Tgt Ion:129 Resp: 110810
Ion Ratio Lower Upper
129 100
127 78.0 38.5 115.5





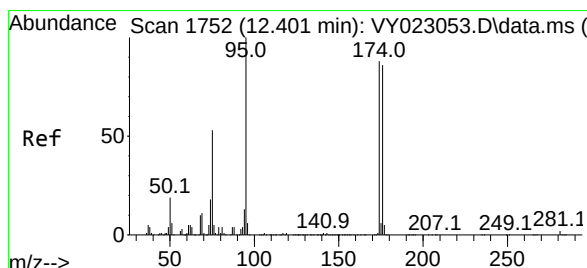
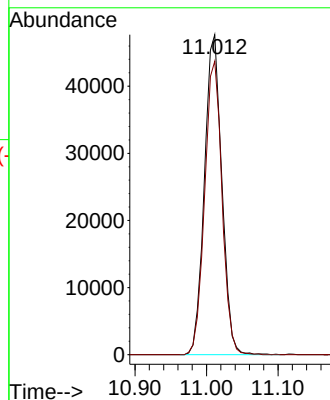
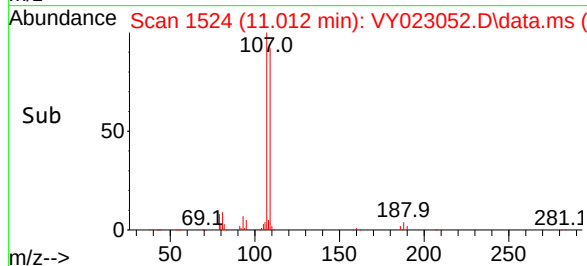
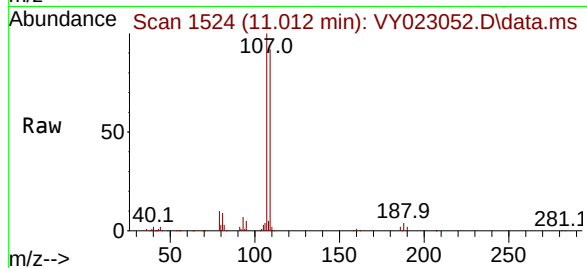
#61
1,2-Dibromoethane
Concen: 20.842 ug/l
RT: 11.012 min Scan# 1523
Delta R.T. 0.006 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tgt Ion:107 Resp: 80549
Ion Ratio Lower Upper
107 100
109 91.5 75.6 113.4

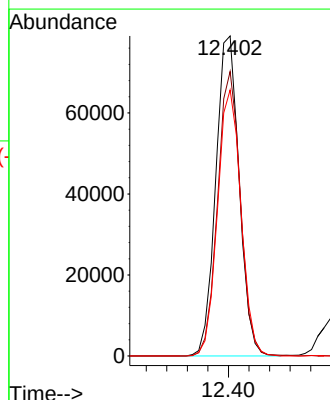
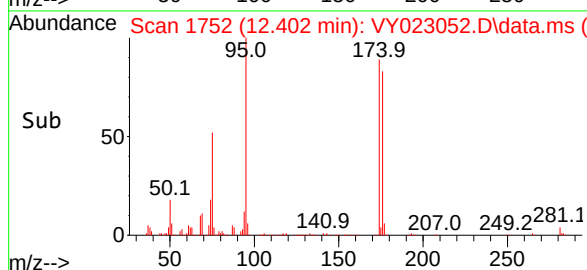
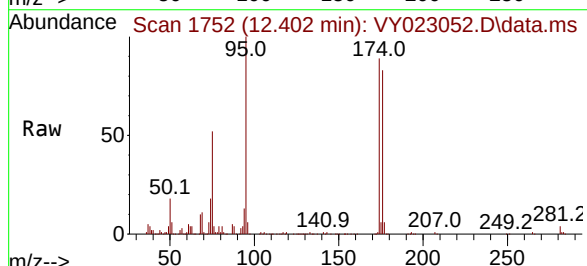
Manual Integrations
APPROVED

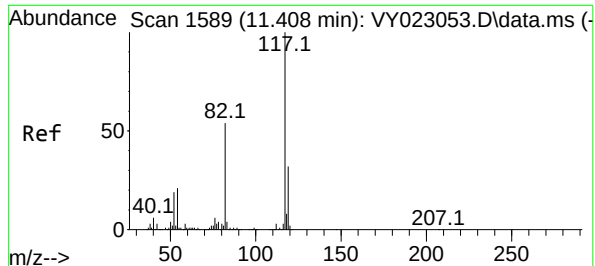
Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025



#62
4-Bromofluorobenzene
Concen: 19.503 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

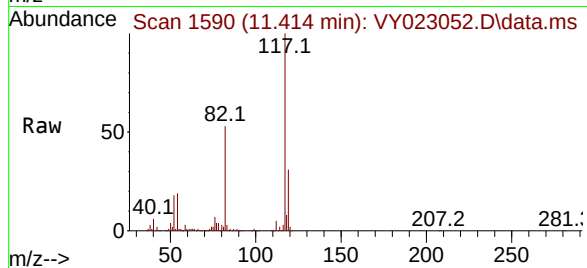
Tgt Ion: 95 Resp: 124467
Ion Ratio Lower Upper
95 100
174 86.7 0.0 171.6
176 83.3 0.0 167.6





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

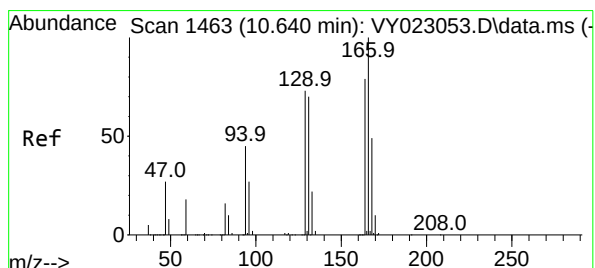
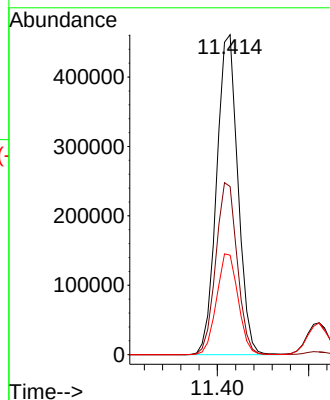
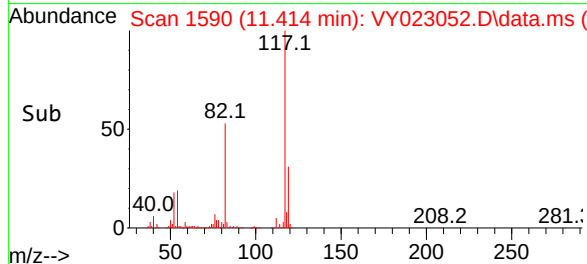
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020



Tgt Ion:117 Resp: 745484
Ion Ratio Lower Upper
117 100
82 52.5 43.4 65.0
119 31.1 25.6 38.4

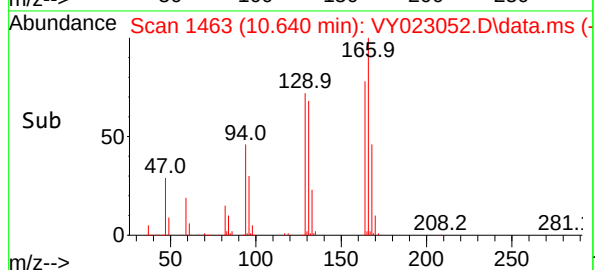
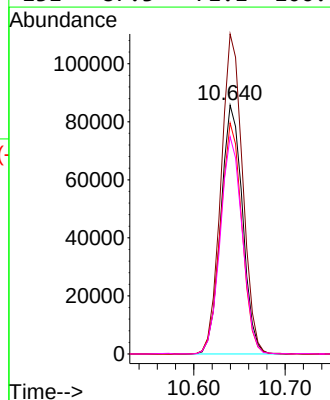
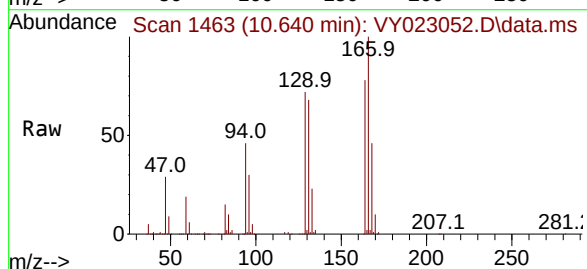
Manual Integrations
APPROVED

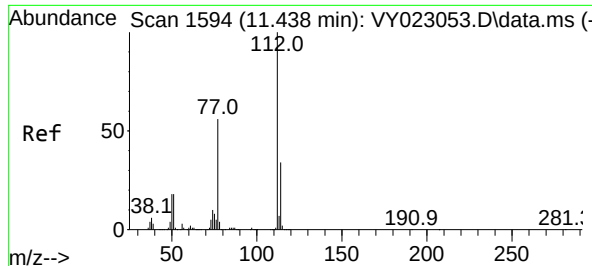
Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025



#64
Tetrachloroethene
Concen: 21.273 ug/l
RT: 10.640 min Scan# 1463
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion:164 Resp: 141609
Ion Ratio Lower Upper
164 100
166 128.7 101.1 151.7
129 92.9 74.0 111.0
131 87.3 71.1 106.7





#65

Chlorobenzene

Concen: 20.690 ug/l

RT: 11.438 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY023052.D

Acq: 12 Aug 2025 15:40

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tgt Ion:112 Resp: 332700

Ion Ratio Lower Upper

112 100

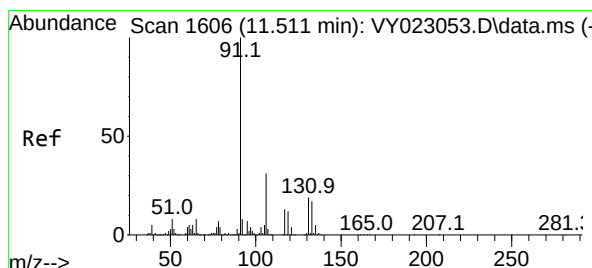
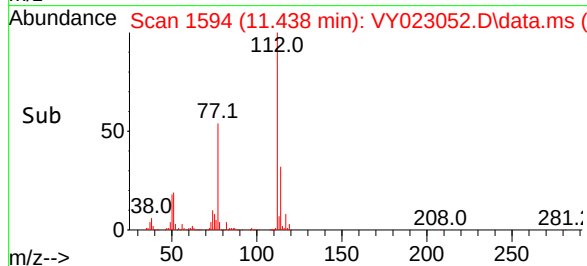
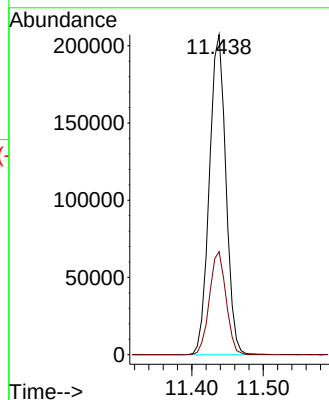
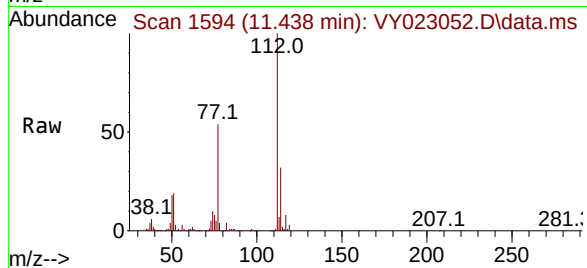
114 32.2 27.0 40.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025

Supervised By :Semsettin Yesilyurt 08/14/2025



#66

1,1,1,2-Tetrachloroethane

Concen: 20.647 ug/l

RT: 11.511 min Scan# 1606

Delta R.T. 0.000 min

Lab File: VY023052.D

Acq: 12 Aug 2025 15:40

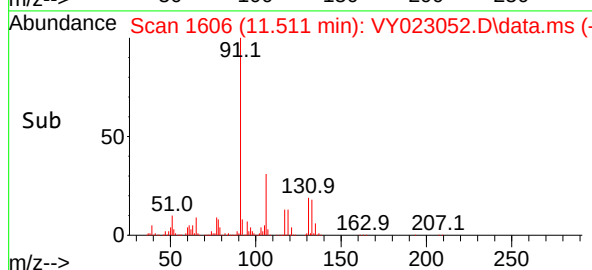
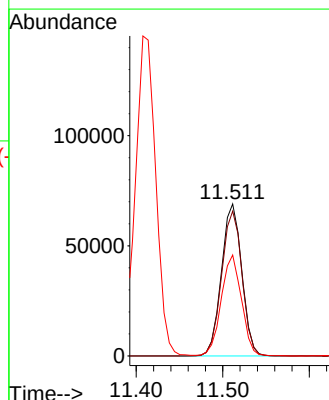
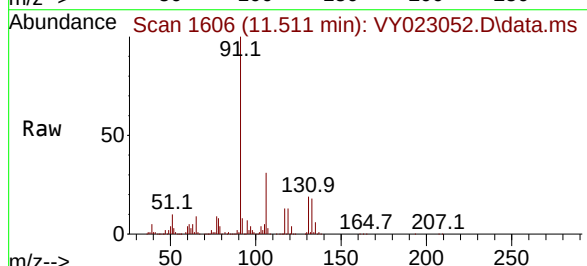
Tgt Ion:131 Resp: 112677

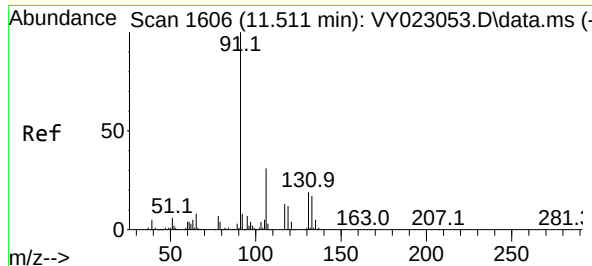
Ion Ratio Lower Upper

131 100

133 95.8 46.9 140.6

119 66.2 33.2 99.6





#67

Ethyl Benzene

Concen: 20.412 ug/l

RT: 11.511 min Scan# 1606

Delta R.T. 0.000 min

Lab File: VY023052.D

Acq: 12 Aug 2025 15:40

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC020

Tgt Ion: 91 Resp: 56485

Ion Ratio Lower Upper

91 100

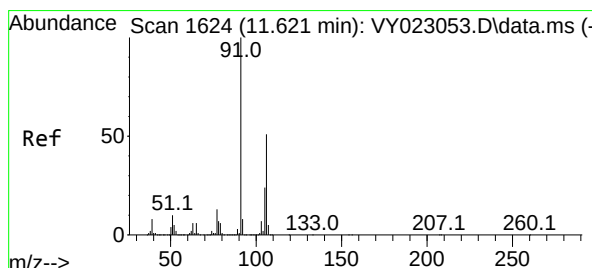
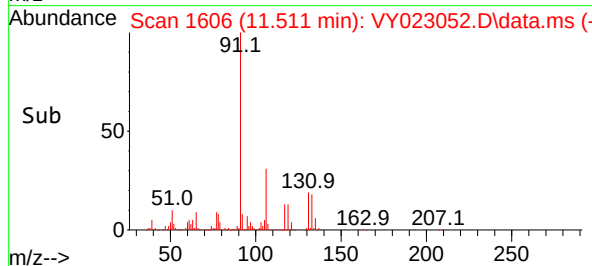
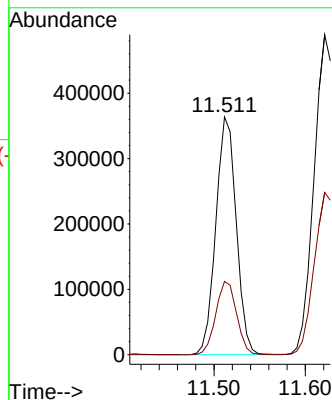
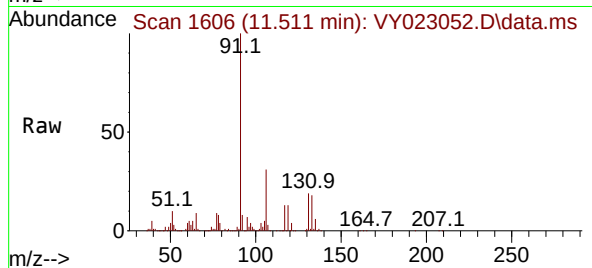
106 30.8 25.0 37.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025

Supervised By :Semsettin Yesilyurt 08/14/2025



#68

m/p-Xylenes

Concen: 41.115 ug/l

RT: 11.621 min Scan# 1624

Delta R.T. 0.000 min

Lab File: VY023052.D

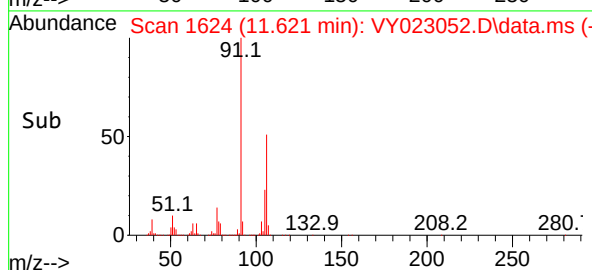
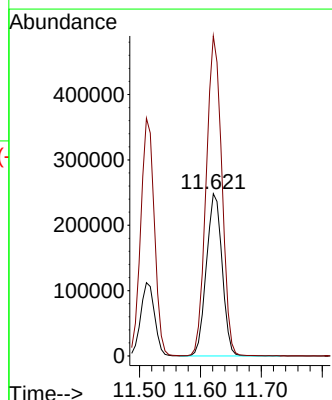
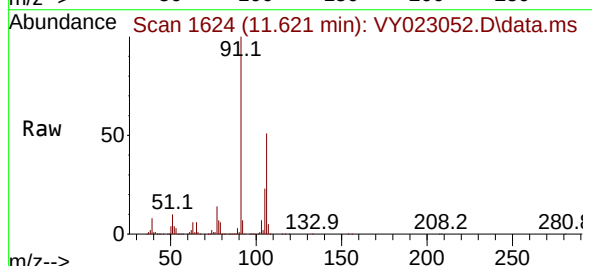
Acq: 12 Aug 2025 15:40

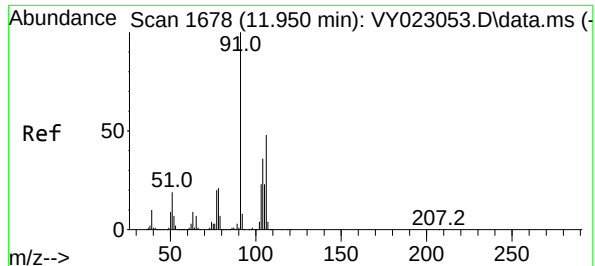
Tgt Ion:106 Resp: 444361

Ion Ratio Lower Upper

106 100

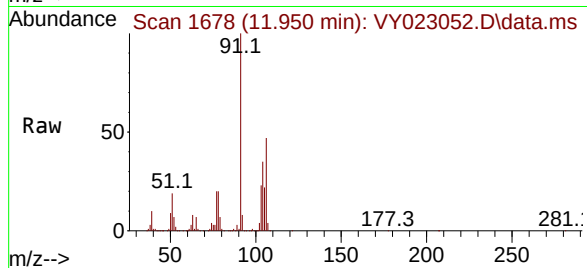
91 195.9 158.6 238.0





#69
o-Xylene
Concen: 20.513 ug/l
RT: 11.950 min Scan# 1678
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

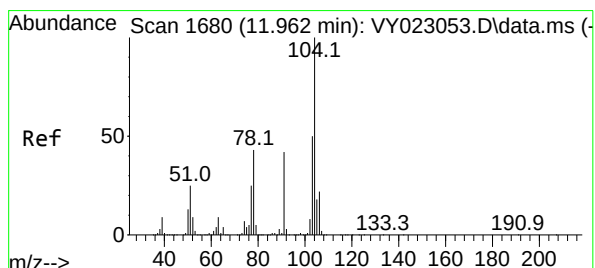
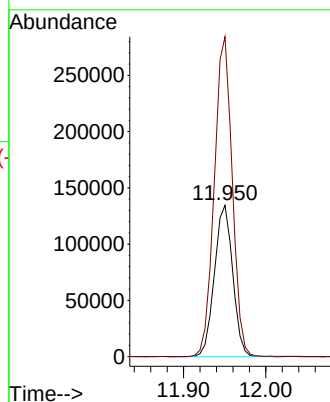
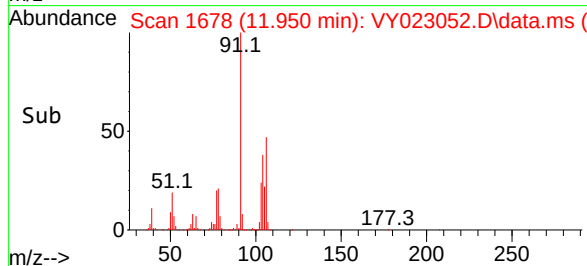
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020



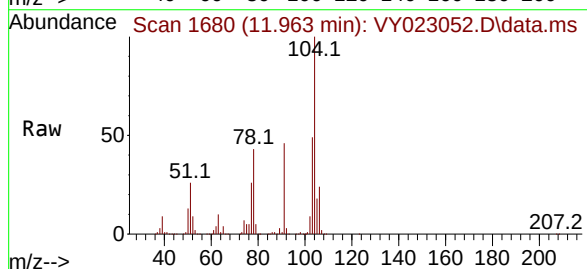
Tgt Ion:106 Resp: 207639
Ion Ratio Lower Upper
106 100
91 208.2 103.2 309.4

Manual Integrations
APPROVED

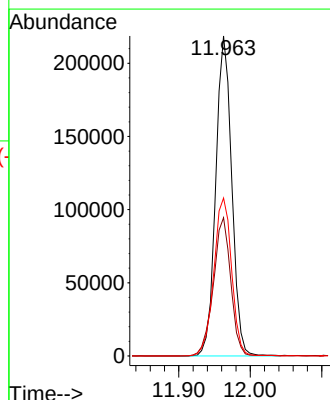
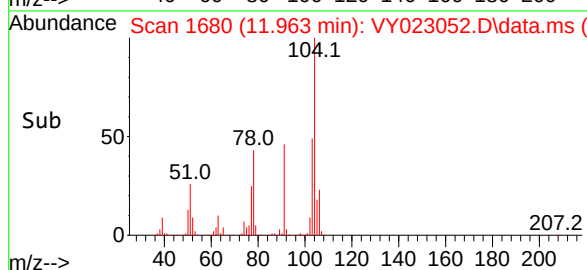
Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025

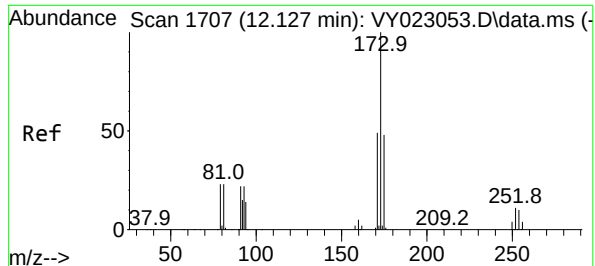


#70
Styrene
Concen: 20.532 ug/l
RT: 11.963 min Scan# 1680
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40



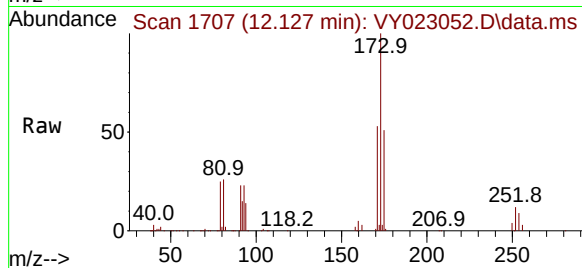
Tgt Ion:104 Resp: 339891
Ion Ratio Lower Upper
104 100
78 47.0 38.5 57.7
103 54.9 43.7 65.5





#71
Bromoform
Concen: 20.151 ug/l
RT: 12.127 min Scan# 1707
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

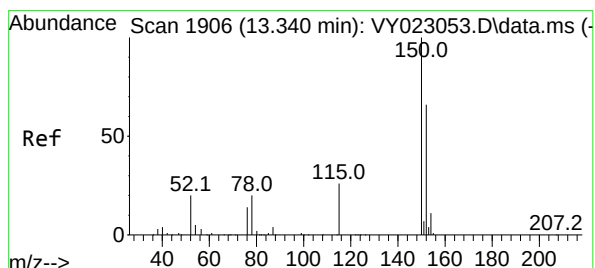
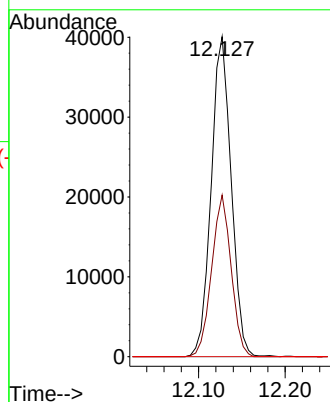
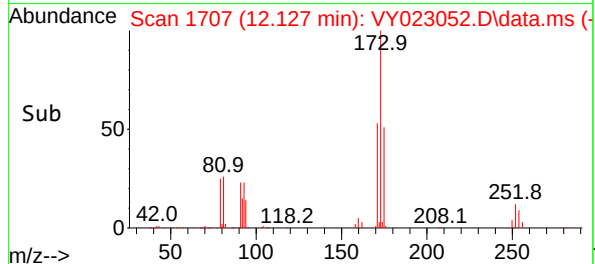
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020



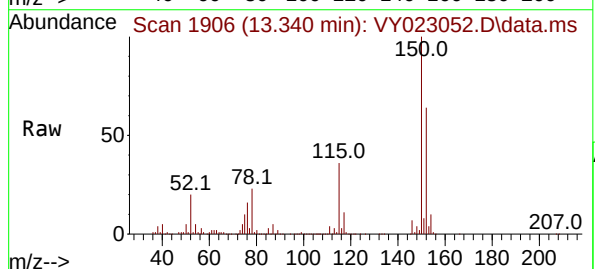
Tgt Ion:173 Resp: 64275
Ion Ratio Lower Upper
173 100
175 49.2 23.9 71.7
254 0.0 0.1 0.1

Manual Integrations
APPROVED

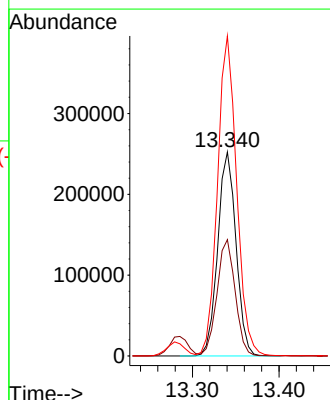
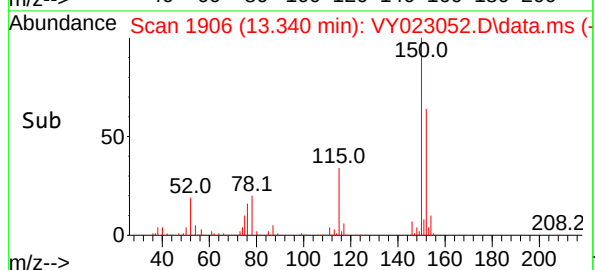
Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025

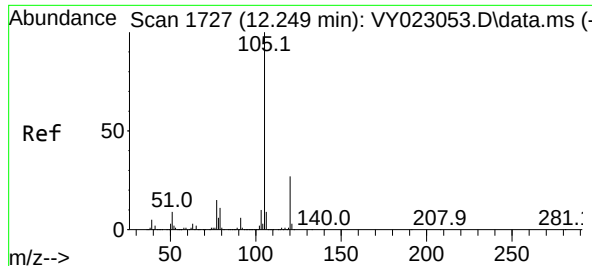


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.340 min Scan# 1906
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40



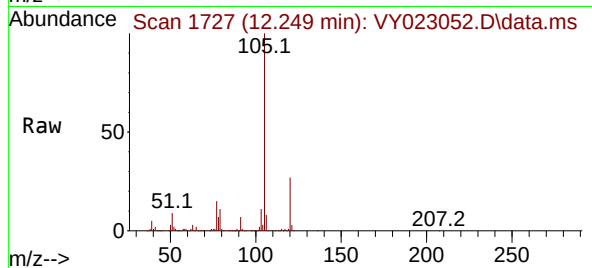
Tgt Ion:152 Resp: 370932
Ion Ratio Lower Upper
152 100
115 56.4 28.2 84.6
150 163.6 0.0 348.0





#73
Isopropylbenzene
Concen: 20.413 ug/l
RT: 12.249 min Scan# 1727
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

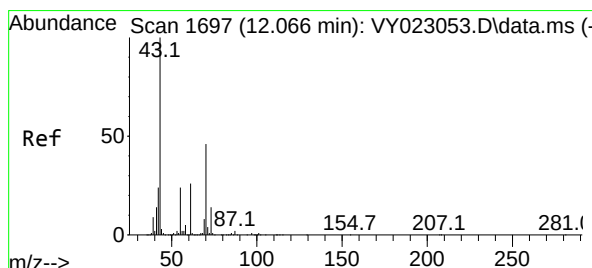
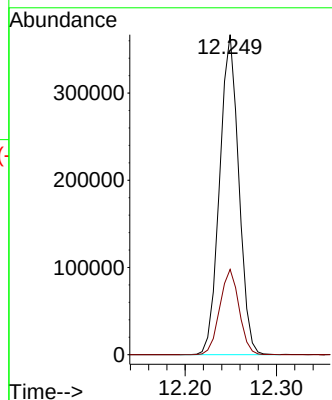
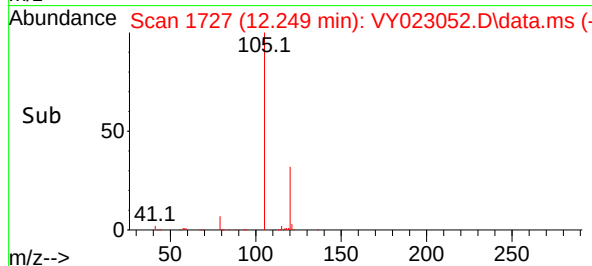
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020



Tgt Ion:105 Resp: 53442
Ion Ratio Lower Upper
105 100
120 26.8 13.4 40.2

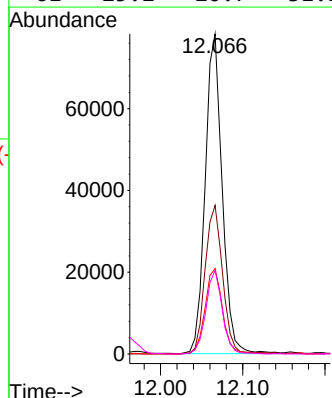
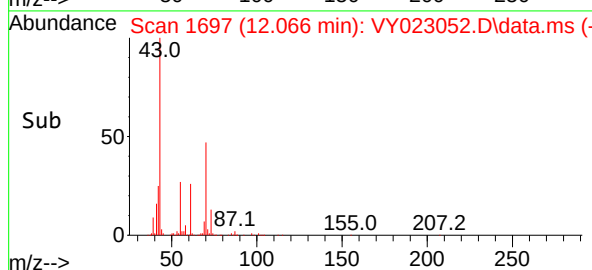
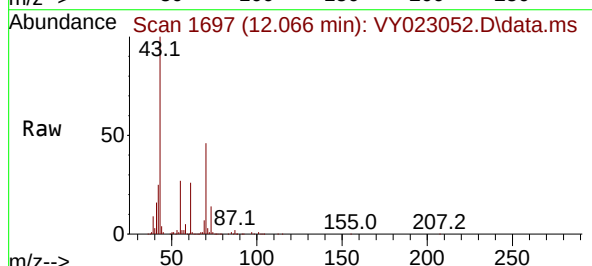
Manual Integrations
APPROVED

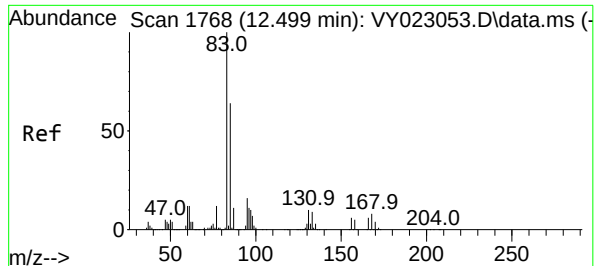
Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025



#74
N-ethyl acetate
Concen: 20.227 ug/l
RT: 12.066 min Scan# 1697
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion: 43 Resp: 112297
Ion Ratio Lower Upper
43 100
70 48.1 37.5 56.3
55 27.7 20.7 31.1
61 25.2 20.7 31.1





#75

1,1,2,2-Tetrachloroethane

Concen: 20.085 ug/l

RT: 12.499 min Scan# 1768

Delta R.T. 0.000 min

Lab File: VY023052.D

Acq: 12 Aug 2025 15:40

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC020

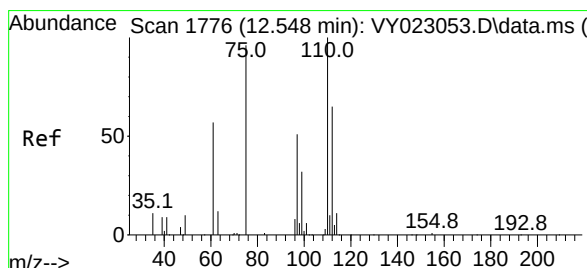
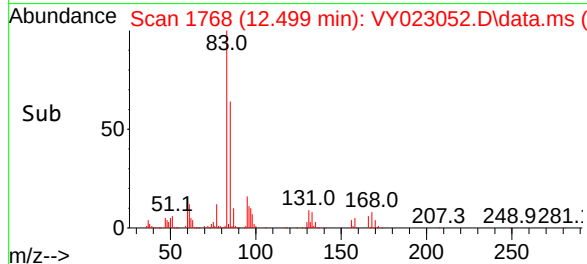
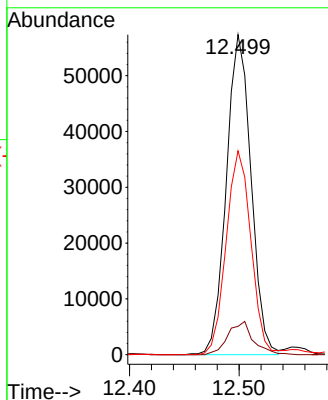
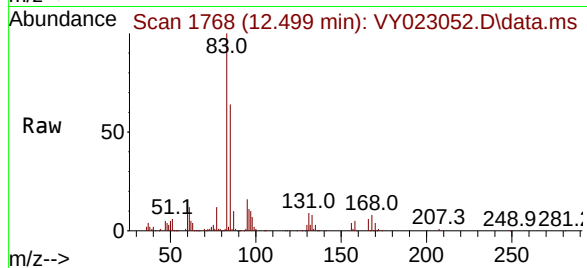
Tgt Ion:	83	Resp:	8978
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.1	15.3
85	63.8	31.8	95.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025

Supervised By :Semsettin Yesilyurt 08/14/2025



#76

1,2,3-Trichloropropane

Concen: 19.560 ug/l m

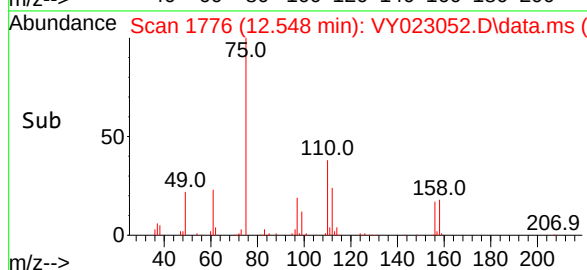
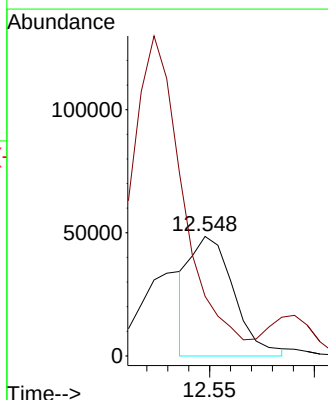
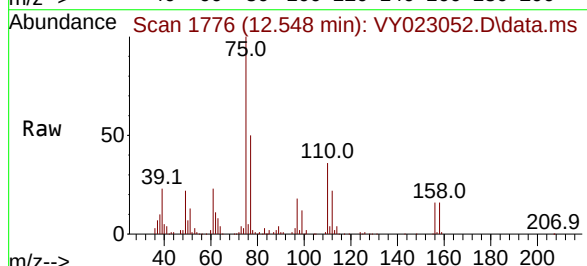
RT: 12.548 min Scan# 1776

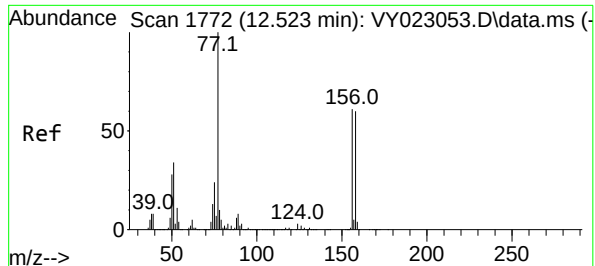
Delta R.T. 0.000 min

Lab File: VY023052.D

Acq: 12 Aug 2025 15:40

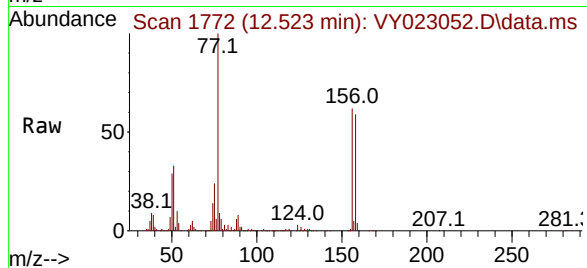
Tgt Ion:	75	Resp:	70070
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77
Bromobenzene
Concen: 20.574 ug/l
RT: 12.523 min Scan# 1772
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

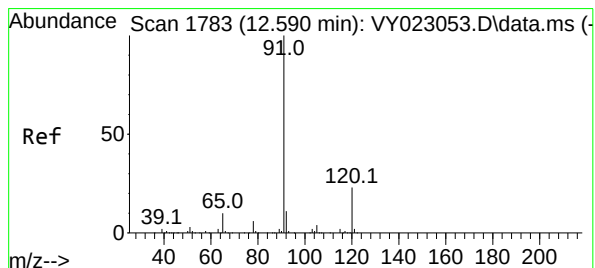
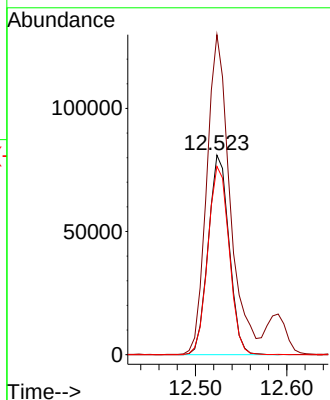
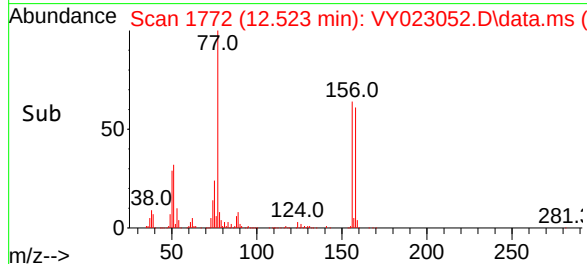
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020



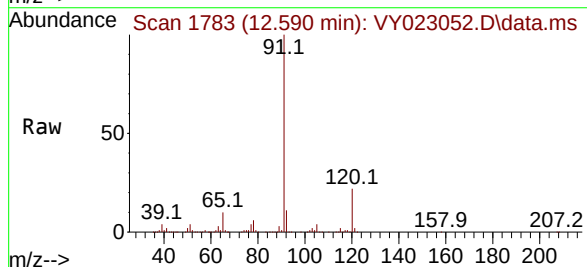
Tgt Ion:156 Resp: 12850
Ion Ratio Lower Upper
156 100
77 177.5 88.1 264.4
158 96.2 48.0 144.0

Manual Integrations
APPROVED

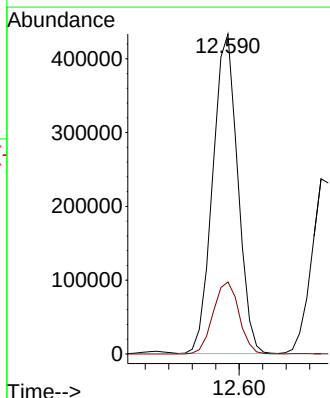
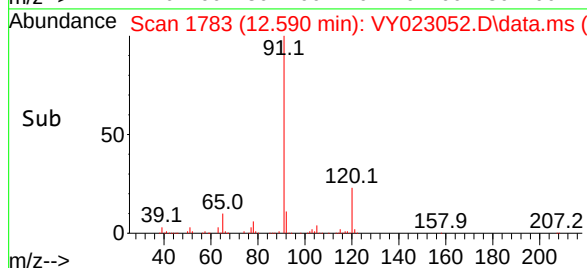
Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025

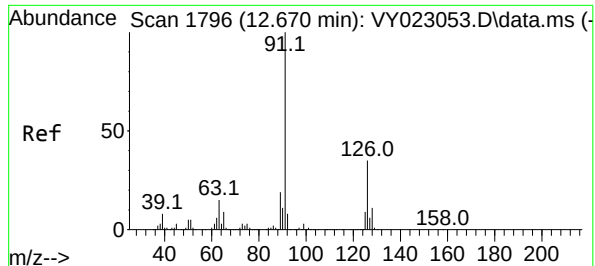


#78
n-propylbenzene
Concen: 20.550 ug/l
RT: 12.590 min Scan# 1783
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40



Tgt Ion: 91 Resp: 640528
Ion Ratio Lower Upper
91 100
120 23.3 11.5 34.5





#79

2-Chlorotoluene

Concen: 20.471 ug/l

RT: 12.670 min Scan# 1796

Delta R.T. 0.000 min

Lab File: VY023052.D

Acq: 12 Aug 2025 15:40

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tgt Ion: 91 Resp: 36557

Ion Ratio Lower Upper

91 100

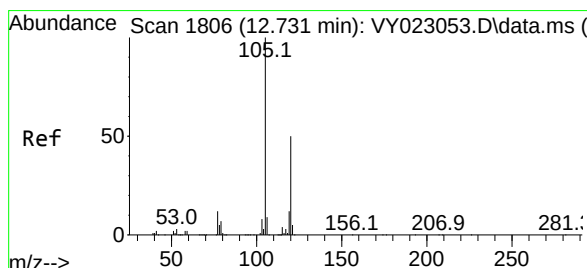
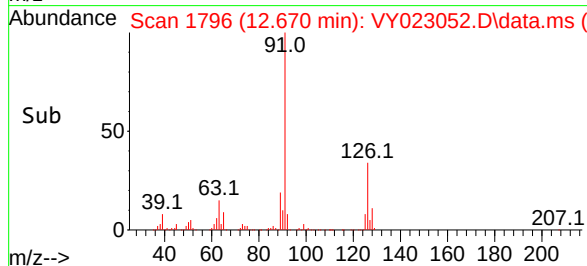
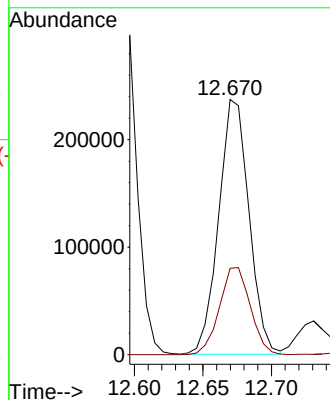
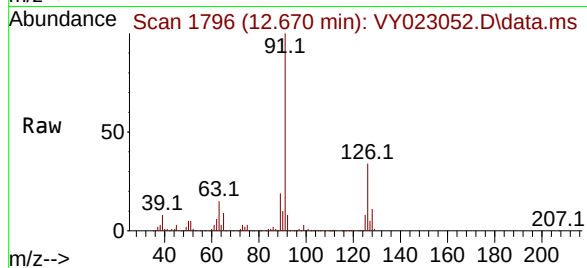
126 34.8 17.4 52.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025

Supervised By :Semsettin Yesilyurt 08/14/2025



#80

1,3,5-Trimethylbenzene

Concen: 20.563 ug/l

RT: 12.731 min Scan# 1806

Delta R.T. 0.000 min

Lab File: VY023052.D

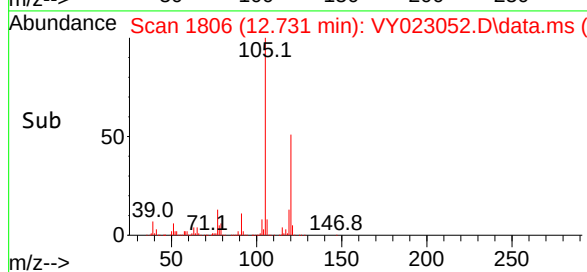
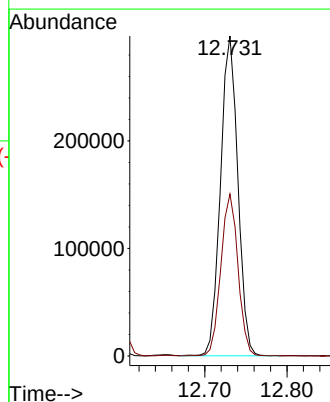
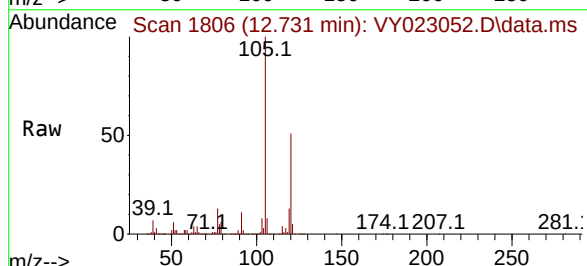
Acq: 12 Aug 2025 15:40

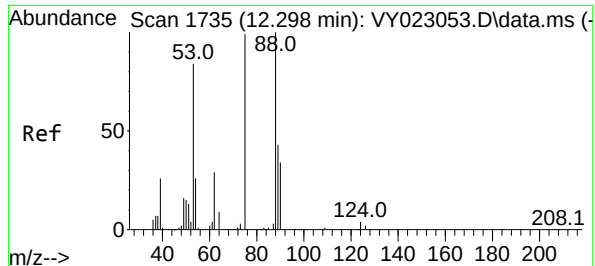
Tgt Ion:105 Resp: 435074

Ion Ratio Lower Upper

105 100

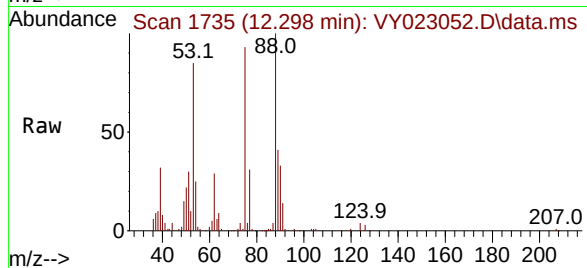
120 50.2 24.8 74.4





#81
trans-1,4-Dichloro-2-butene
Concen: 20.389 ug/l
RT: 12.298 min Scan# 1735
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

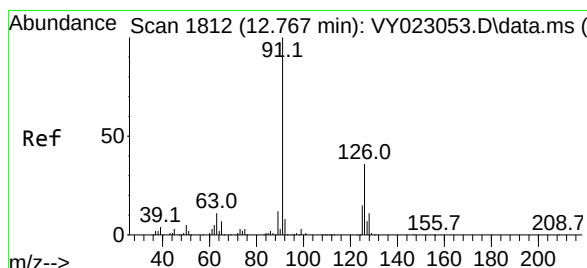
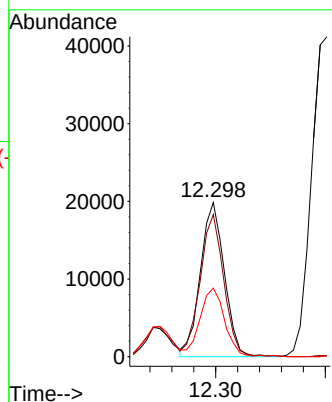
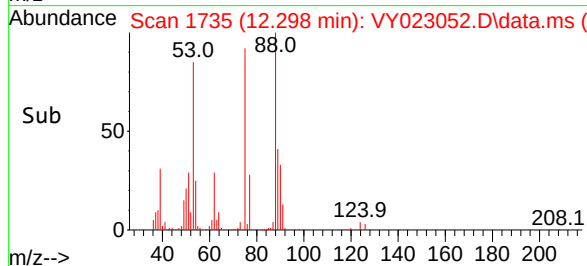
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020



Tgt Ion: 75 Resp: 3015
Ion Ratio Lower Upper
75 100
53 91.7 70.8 106.2
89 46.2 38.1 57.1

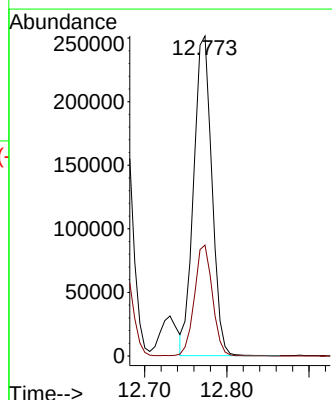
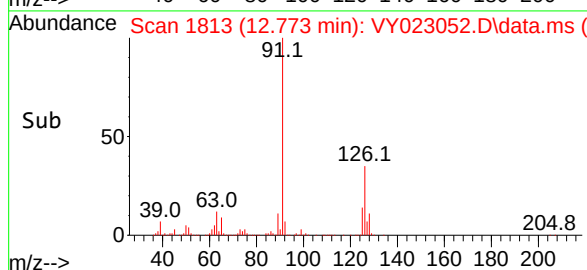
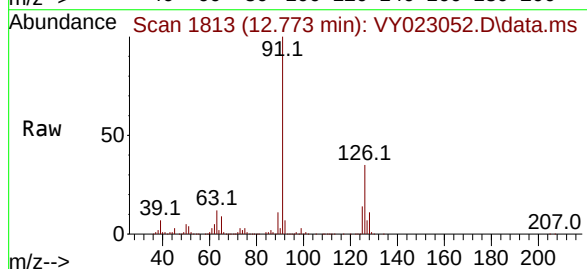
Manual Integrations
APPROVED

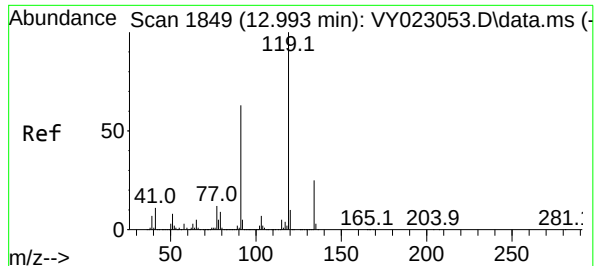
Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025



#82
4-Chlorotoluene
Concen: 20.822 ug/l
RT: 12.773 min Scan# 1813
Delta R.T. 0.006 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion: 91 Resp: 385755
Ion Ratio Lower Upper
91 100
126 34.3 17.3 52.0





#83

tert-Butylbenzene

Concen: 20.389 ug/l

RT: 12.993 min Scan# 1849

Delta R.T. 0.000 min

Lab File: VY023052.D

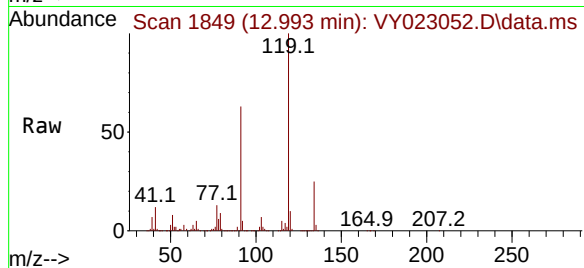
Acq: 12 Aug 2025 15:40

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020



Tgt Ion:119 Resp: 38962

Ion Ratio Lower Upper

119 100

91 63.4 31.6 94.8

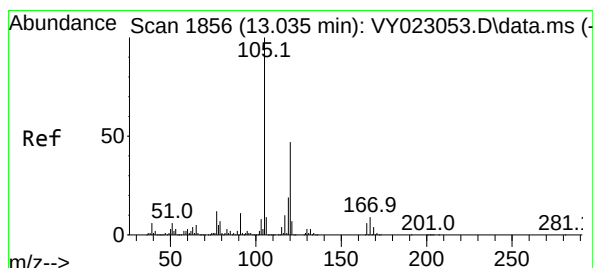
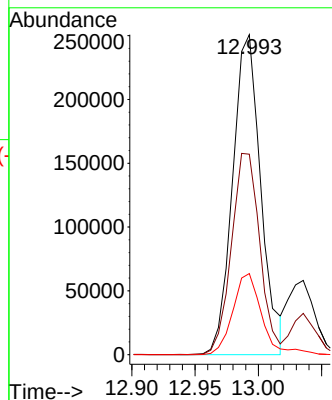
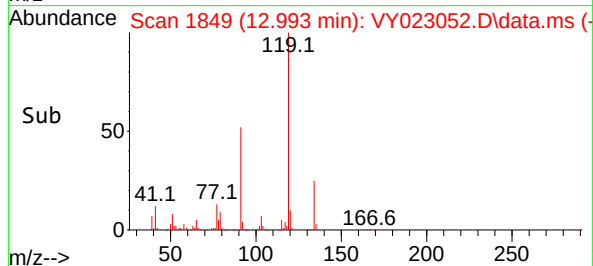
134 26.1 12.9 38.7

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025

Supervised By :Semsettin Yesilyurt 08/14/2025



#84

1,2,4-Trimethylbenzene

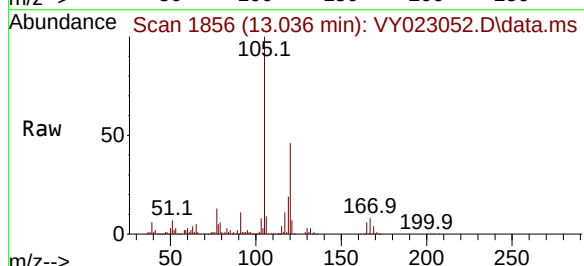
Concen: 20.814 ug/l

RT: 13.036 min Scan# 1856

Delta R.T. 0.000 min

Lab File: VY023052.D

Acq: 12 Aug 2025 15:40

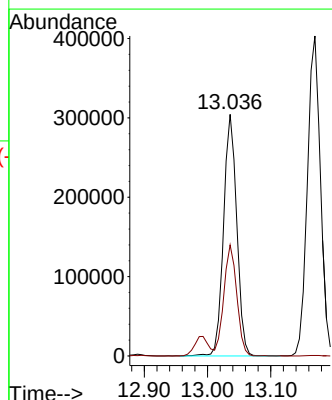
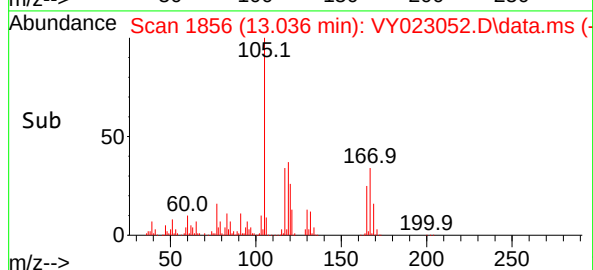


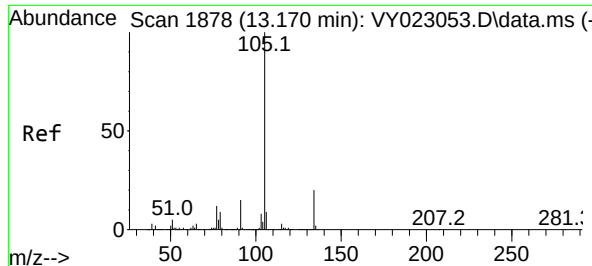
Tgt Ion:105 Resp: 438392

Ion Ratio Lower Upper

105 100

120 45.0 23.0 69.0





#85

sec-Butylbenzene

Concen: 20.512 ug/l

RT: 13.170 min Scan# 1878

Delta R.T. 0.000 min

Lab File: VY023052.D

Acq: 12 Aug 2025 15:40

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tgt Ion:105 Resp: 575804

Ion Ratio Lower Upper

105 100

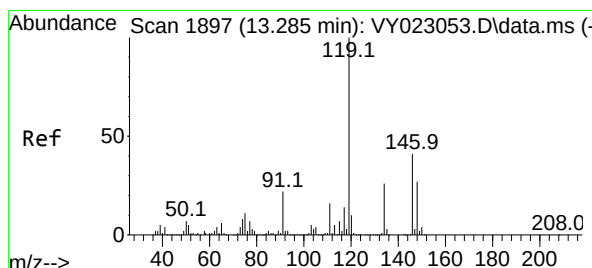
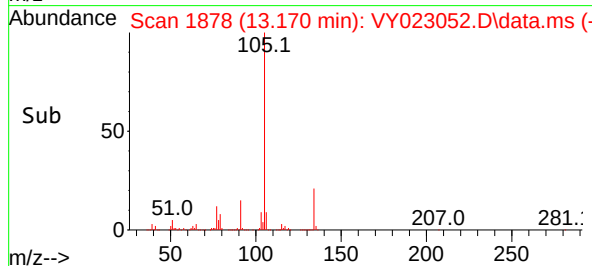
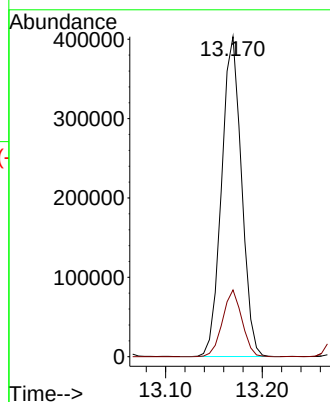
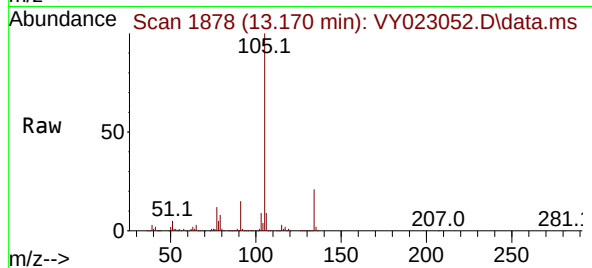
134 20.3 10.2 30.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025

Supervised By :Semsettin Yesilyurt 08/14/2025



#86

p-Isopropyltoluene

Concen: 20.640 ug/l

RT: 13.285 min Scan# 1897

Delta R.T. 0.000 min

Lab File: VY023052.D

Acq: 12 Aug 2025 15:40

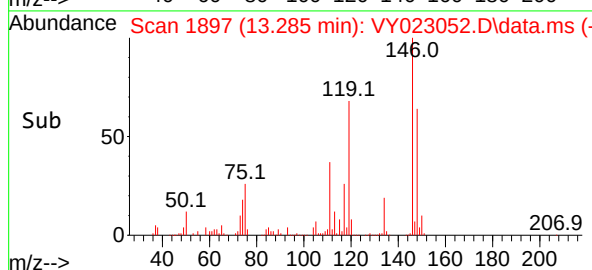
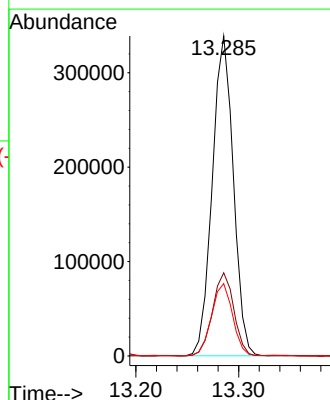
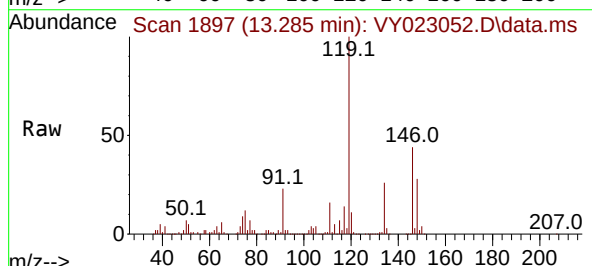
Tgt Ion:119 Resp: 480937

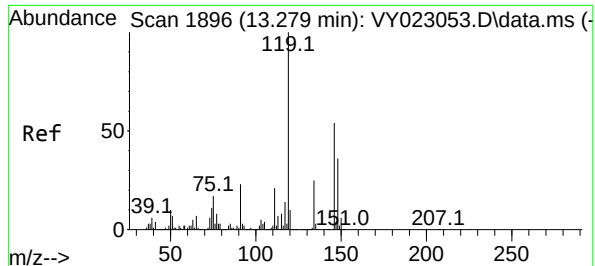
Ion Ratio Lower Upper

119 100

134 26.3 13.2 39.6

91 22.6 11.3 33.8





#87

1,3-Dichlorobenzene

Concen: 20.497 ug/l

RT: 13.279 min Scan# 1896

Delta R.T. 0.000 min

Lab File: VY023052.D

Acq: 12 Aug 2025 15:40

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tgt Ion:146 Resp: 252452

Ion Ratio Lower Upper

146 100

111 39.1 19.6 58.7

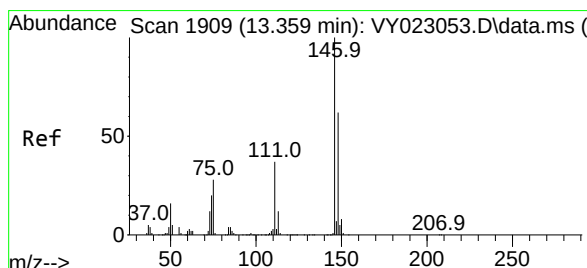
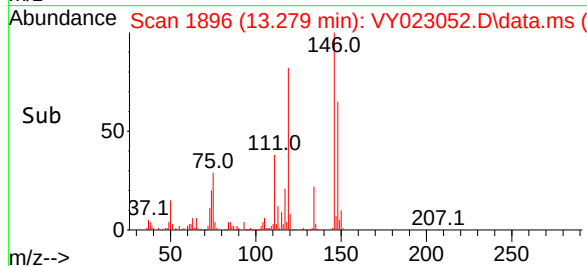
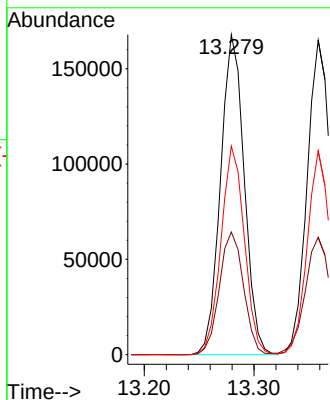
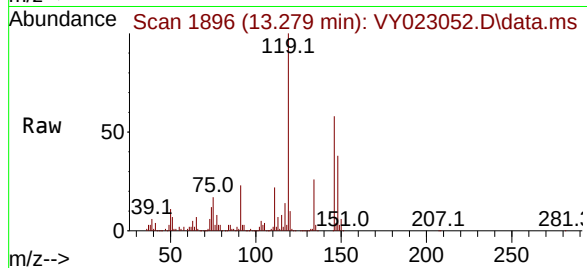
148 64.3 32.5 97.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025

Supervised By :Semsettin Yesilyurt 08/14/2025



#88

1,4-Dichlorobenzene

Concen: 20.403 ug/l

RT: 13.359 min Scan# 1909

Delta R.T. 0.000 min

Lab File: VY023052.D

Acq: 12 Aug 2025 15:40

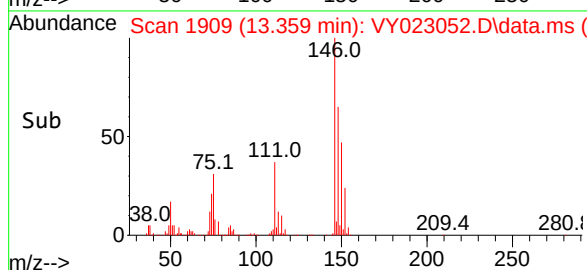
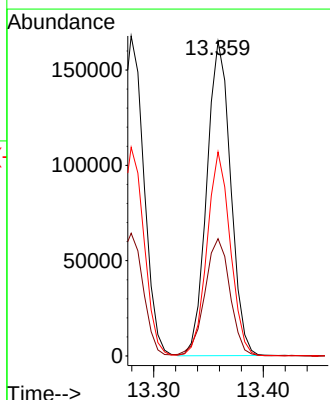
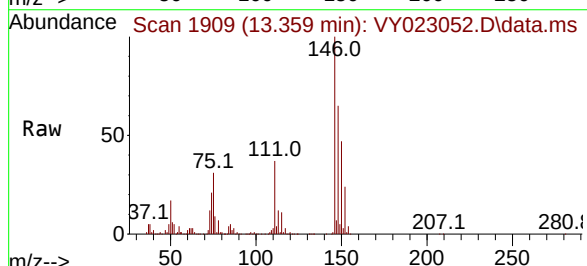
Tgt Ion:146 Resp: 249280

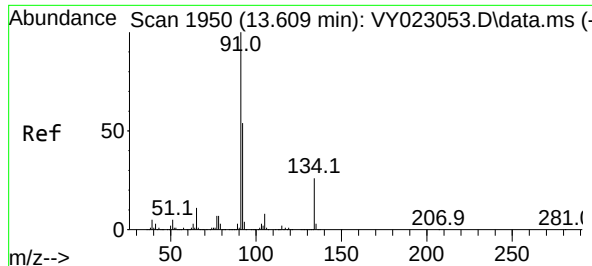
Ion Ratio Lower Upper

146 100

111 39.3 19.1 57.1

148 63.5 31.6 94.7





#89

n-Butylbenzene

Concen: 20.605 ug/l

RT: 13.609 min Scan# 1950

Delta R.T. 0.000 min

Lab File: VY023052.D

Acq: 12 Aug 2025 15:40

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC020

Tgt Ion: 91 Resp: 44096

Ion Ratio Lower Upper

91 100

92 53.4 26.9 80.7

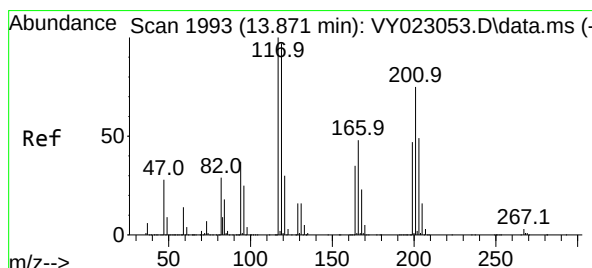
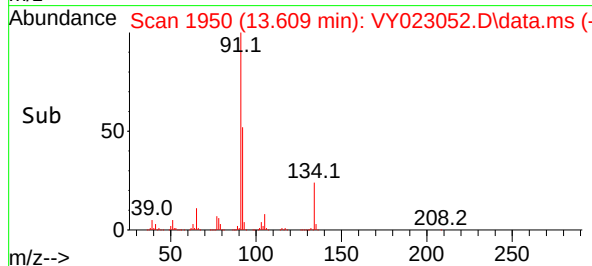
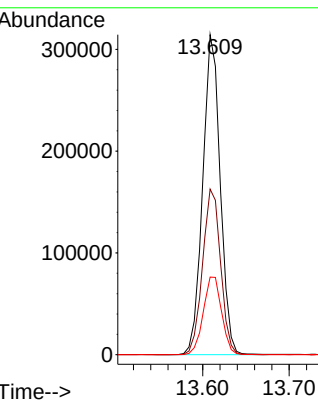
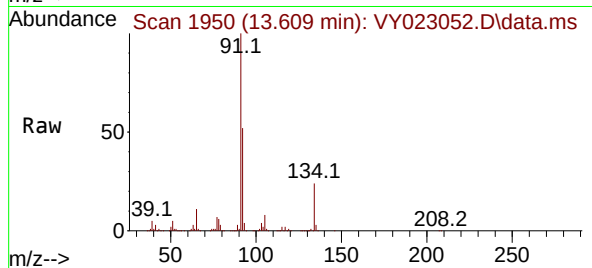
134 25.4 13.2 39.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025

Supervised By :Semsettin Yesilyurt 08/14/2025



#90

Hexachloroethane

Concen: 20.226 ug/l

RT: 13.871 min Scan# 1993

Delta R.T. 0.000 min

Lab File: VY023052.D

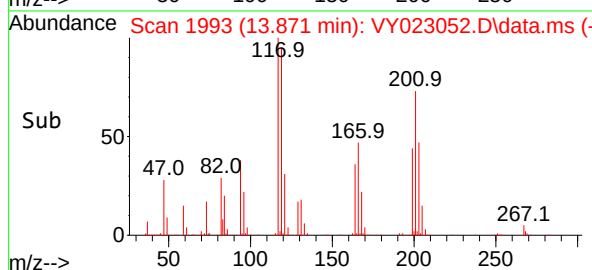
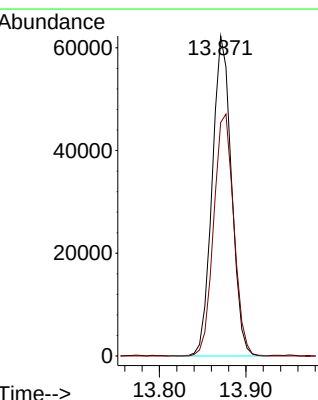
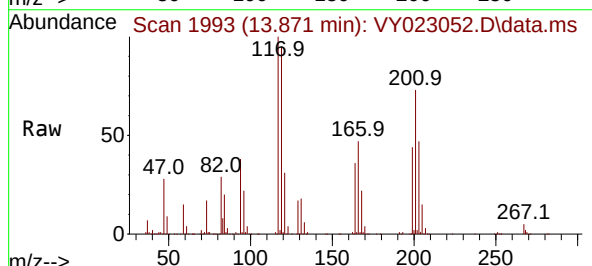
Acq: 12 Aug 2025 15:40

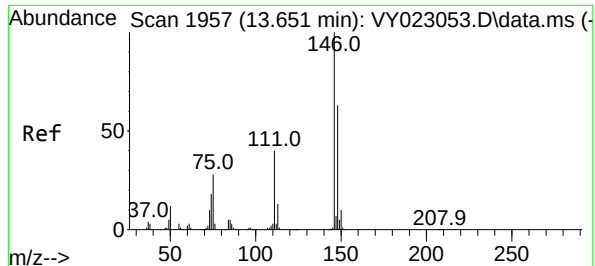
Tgt Ion:117 Resp: 96478

Ion Ratio Lower Upper

117 100

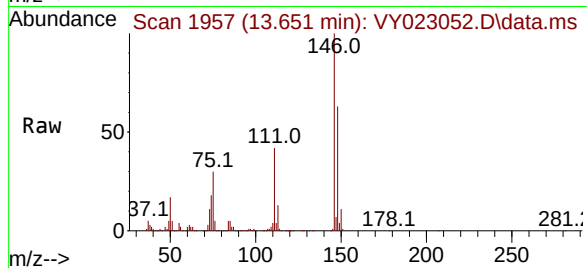
201 78.5 38.4 115.1





#91
1,2-Dichlorobenzene
Concen: 20.552 ug/l
RT: 13.651 min Scan# 1957
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

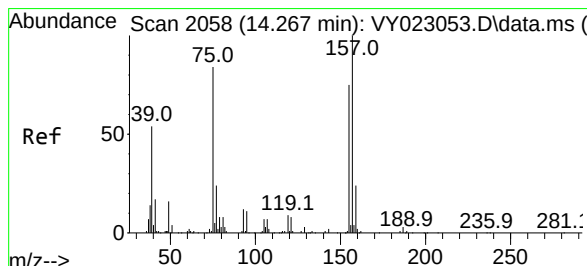
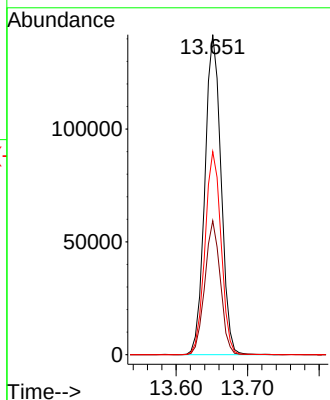
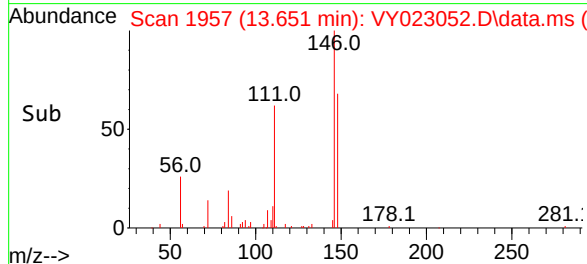
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020



Tgt Ion:146 Resp: 222000
Ion Ratio Lower Upper
146 100
111 40.2 20.3 60.8
148 63.2 32.2 96.6

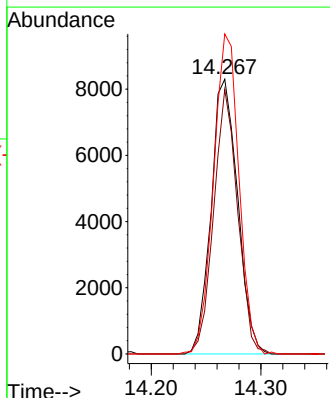
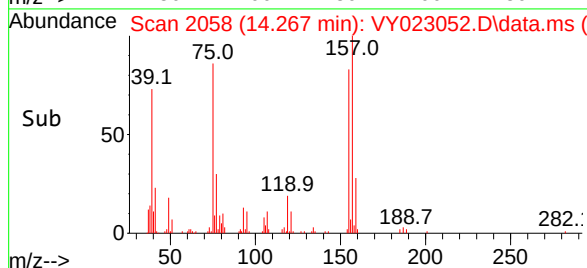
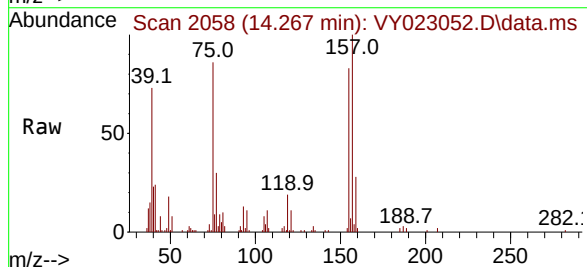
Manual Integrations
APPROVED

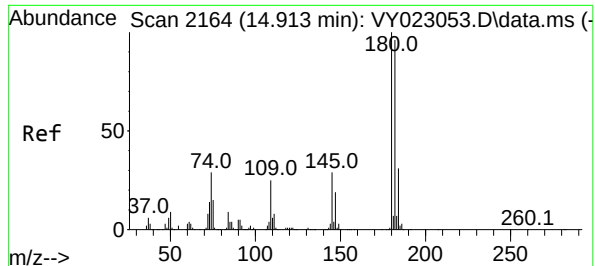
Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 20.076 ug/l
RT: 14.267 min Scan# 2058
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion: 75 Resp: 13973
Ion Ratio Lower Upper
75 100
155 86.7 43.9 131.6
157 111.6 57.2 171.6





#93

1,2,4-Trichlorobenzene

Concen: 20.464 ug/l

RT: 14.913 min Scan# 2164

Delta R.T. 0.000 min

Lab File: VY023052.D

Acq: 12 Aug 2025 15:40

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tgt Ion:180 Resp: 130718

Ion Ratio Lower Upper

180 100

182 95.1 46.8 140.4

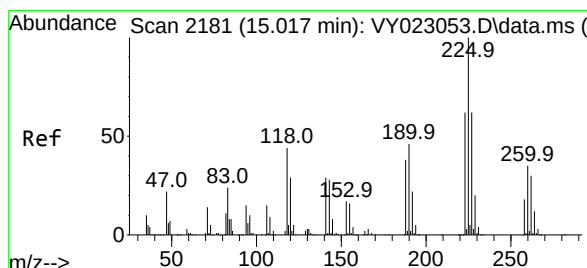
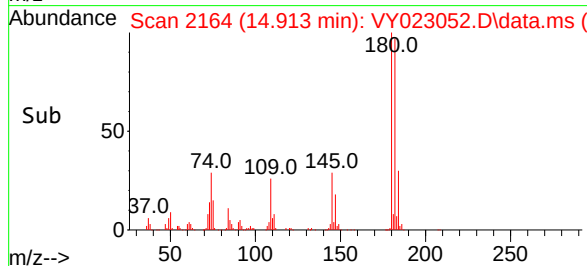
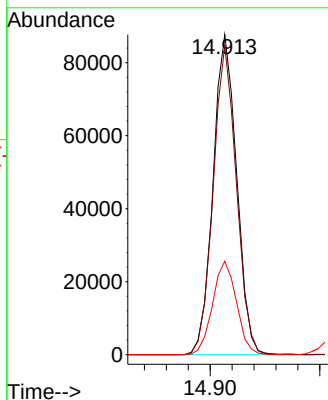
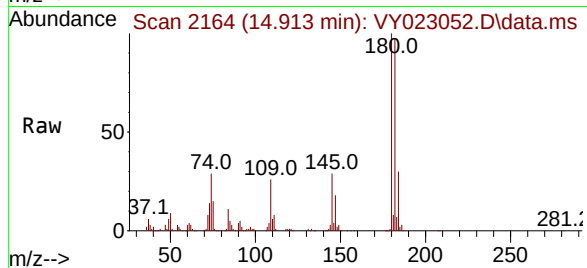
145 29.6 14.4 43.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025

Supervised By :Semsettin Yesilyurt 08/14/2025



#94

Hexachlorobutadiene

Concen: 20.650 ug/l

RT: 15.017 min Scan# 2181

Delta R.T. 0.000 min

Lab File: VY023052.D

Acq: 12 Aug 2025 15:40

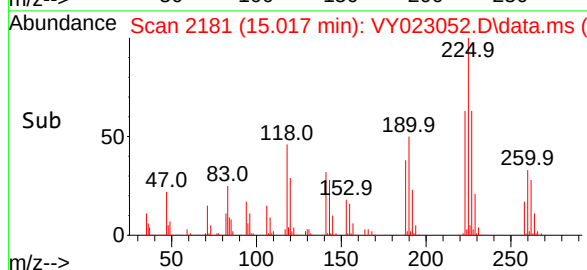
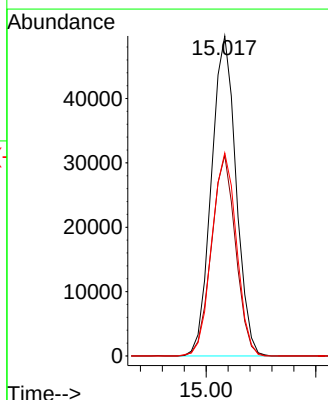
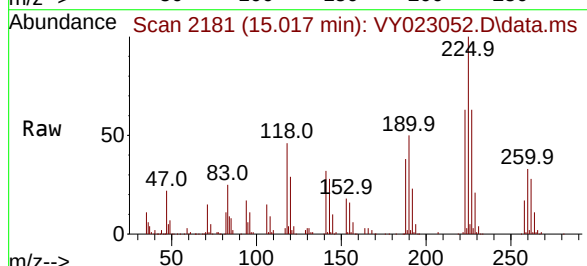
Tgt Ion:225 Resp: 77511

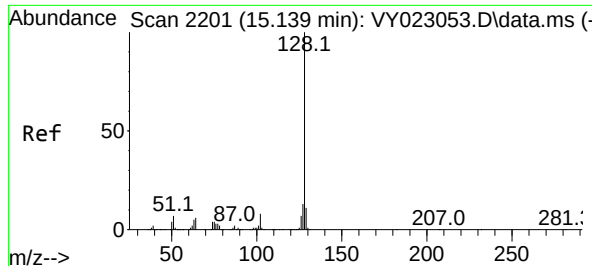
Ion Ratio Lower Upper

225 100

223 61.5 31.3 93.8

227 63.6 31.5 94.5





#95

Naphthalene

Concen: 19.915 ug/l

RT: 15.139 min Scan# 2201

Delta R.T. 0.000 min

Lab File: VY023052.D

Acq: 12 Aug 2025 15:40

Instrument :

MSVOA_Y

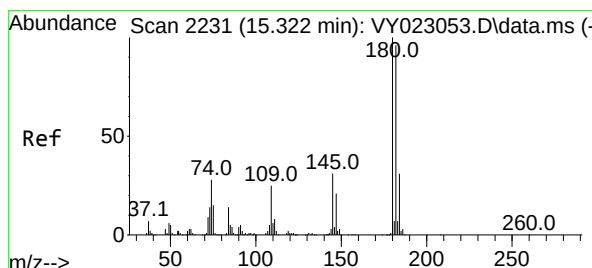
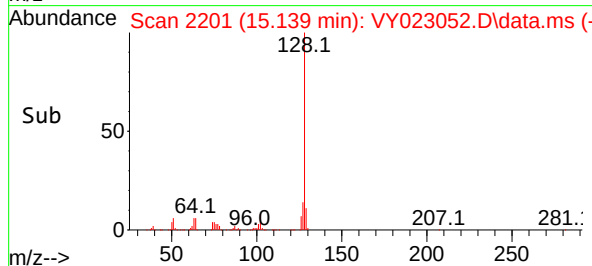
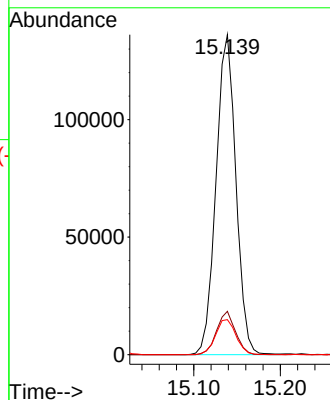
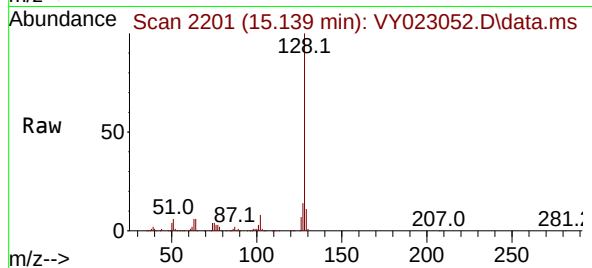
ClientSampleId :

VSTDIC020

Tgt Ion:128	Resp: 21692
Ion Ratio	Lower Upper
128 100	
127 12.9	10.4 15.6
129 11.4	9.0 13.4

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025



#96

1,2,3-Trichlorobenzene

Concen: 20.258 ug/l

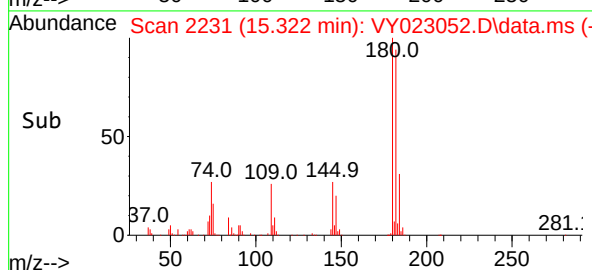
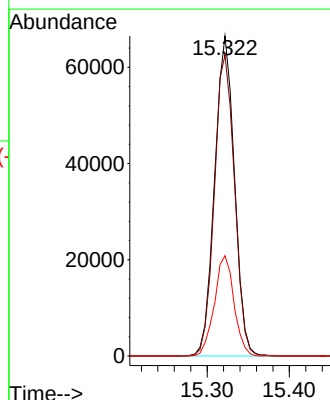
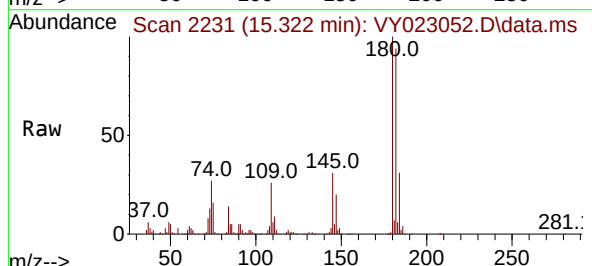
RT: 15.322 min Scan# 2231

Delta R.T. 0.000 min

Lab File: VY023052.D

Acq: 12 Aug 2025 15:40

Tgt Ion:180	Resp: 111506
Ion Ratio	Lower Upper
180 100	
182 95.3	47.9 143.7
145 31.0	15.9 47.7



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081225\
 Data File : VY023053.D
 Acq On : 12 Aug 2025 16:02
 Operator : SY/MD
 Sample : VSTDICCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025
 Supervised By :Semsettin Yesilyurt 08/14/2025

Quant Time: Aug 13 01:53:26 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 13 01:46:43 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	539282	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	856556	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.408	117	751969	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	377839	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	249044	48.455	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	96.900%		
35) Dibromofluoromethane	7.628	113	251193	49.010	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	98.020%		
50) Toluene-d8	10.103	98	979082	48.899	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	97.800%		
62) 4-Bromofluorobenzene	12.401	95	316770	49.194	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	98.380%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.861	85	187863	42.677	ug/l	100
3) Chloromethane	2.068	50	327481	45.932	ug/l	100
4) Vinyl Chloride	2.196	62	414609	47.044	ug/l	100
5) Bromomethane	2.592	94	291336	44.263	ug/l	100
6) Chloroethane	2.726	64	277698	47.394	ug/l	100
7) Trichlorofluoromethane	3.049	101	505137	47.136	ug/l	100
8) Diethyl Ether	3.446	74	135373	47.747	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.805	101	249063	47.109	ug/l	100
10) Methyl Iodide	3.994	142	296087	51.899	ug/l	100
11) Tert butyl alcohol	4.860	59	85712	243.383	ug/l	100
12) 1,1-Dichloroethene	3.781	96	249492	48.009	ug/l	100
13) Acrolein	3.647	56	121185	234.966	ug/l	100
14) Allyl chloride	4.378	41	369720	48.350	ug/l	100
15) Acrylonitrile	5.049	53	285675	247.839	ug/l	100
16) Acetone	3.860	43	278510	250.122	ug/l	100
17) Carbon Disulfide	4.098	76	804119	47.456	ug/l	100
18) Methyl Acetate	4.378	43	173642	52.403	ug/l	100
19) Methyl tert-butyl Ether	5.110	73	666514	49.495	ug/l	100
20) Methylene Chloride	4.604	84	275004	47.415	ug/l	100
21) trans-1,2-Dichloroethene	5.104	96	282272	48.334	ug/l	100
22) Diisopropyl ether	6.018	45	815359	49.070	ug/l	100
23) Vinyl Acetate	5.951	43	2268046	246.849	ug/l	100
24) 1,1-Dichloroethane	5.909	63	495073	48.732	ug/l	100
25) 2-Butanone	6.884	43	382711	252.715	ug/l	100
26) 2,2-Dichloropropane	6.884	77	425773	48.571	ug/l	100
27) cis-1,2-Dichloroethene	6.884	96	327272	48.474	ug/l	100
28) Bromochloromethane	7.244	49	196667	48.795	ug/l	100
29) Tetrahydrofuran	7.256	42	235169	250.523	ug/l	100
30) Chloroform	7.415	83	508641	48.547	ug/l	100
31) Cyclohexane	7.695	56	440266	45.989	ug/l	100
32) 1,1,1-Trichloroethane	7.616	97	451521	48.569	ug/l	100
36) 1,1-Dichloropropene	7.829	75	371204	48.734	ug/l	100
37) Ethyl Acetate	6.982	43	160980	50.311	ug/l	100
38) Carbon Tetrachloride	7.817	117	399463	48.285	ug/l	100
39) Methylcyclohexane	9.103	83	484691	48.321	ug/l	100
40) Benzene	8.073	78	1142910	48.683	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081225\
 Data File : VY023053.D
 Acq On : 12 Aug 2025 16:02
 Operator : SY/MD
 Sample : VSTDICCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025
 Supervised By :Semsettin Yesilyurt 08/14/2025

Quant Time: Aug 13 01:53:26 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 13 01:46:43 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.219	41	94123	50.916	ug/l	100
42) 1,2-Dichloroethane	8.152	62	296907	48.627	ug/l	100
43) Isopropyl Acetate	8.195	43	319600	49.419	ug/l	100
44) Trichloroethene	8.859	130	292421	48.199	ug/l	100
45) 1,2-Dichloropropane	9.140	63	264354	48.938	ug/l	100
46) Dibromomethane	9.225	93	152822	49.291	ug/l	100
47) Bromodichloromethane	9.420	83	393523	49.327	ug/l	100
48) Methyl methacrylate	9.213	41	160792	51.958	ug/l	100
49) 1,4-Dioxane	9.225	88	36249	997.124	ug/l	100
51) 4-Methyl-2-Pentanone	9.993	43	853025	255.710	ug/l	100
52) Toluene	10.164	92	735326	49.315	ug/l	100
53) t-1,3-Dichloropropene	10.390	75	359698	49.790	ug/l	100
54) cis-1,3-Dichloropropene	9.853	75	424834	49.731	ug/l	100
55) 1,1,2-Trichloroethane	10.566	97	204368	49.261	ug/l	100
56) Ethyl methacrylate	10.432	69	273801	51.576	ug/l	100
57) 1,3-Dichloropropane	10.713	76	346510	49.249	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.707	63	663351	264.906	ug/l	100
59) 2-Hexanone	10.755	43	584223	257.194	ug/l	100
60) Dibromochloromethane	10.908	129	272171	49.719	ug/l	100
61) 1,2-Dibromoethane	11.005	107	193398	49.598	ug/l	100
64) Tetrachloroethene	10.640	164	327271	48.740	ug/l	100
65) Chlorobenzene	11.438	112	793490	48.920	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.511	131	271839	49.381	ug/l	100
67) Ethyl Benzene	11.511	91	1397704	50.073	ug/l	100
68) m/p-Xylenes	11.621	106	1080401	99.103	ug/l	100
69) o-Xylene	11.950	106	516002	50.536	ug/l	100
70) Styrene	11.962	104	844409	50.569	ug/l	100
71) Bromoform	12.127	173	160769	49.969	ug/l #	100
73) Isopropylbenzene	12.249	105	1324313	49.660	ug/l	100
74) N-amyl acetate	12.066	43	289914	51.264	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.499	83	220853	48.503	ug/l	100
76) 1,2,3-Trichloropropane	12.548	75	202260m	55.430	ug/l	
77) Bromobenzene	12.523	156	312706	49.152	ug/l	100
78) n-propylbenzene	12.590	91	1593368	50.186	ug/l	100
79) 2-Chlorotoluene	12.670	91	899967	49.473	ug/l	100
80) 1,3,5-Trimethylbenzene	12.731	105	1080333	50.126	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.298	75	74567	49.500	ug/l	100
82) 4-Chlorotoluene	12.767	91	930329	49.299	ug/l	100
83) tert-Butylbenzene	12.993	119	978031	50.244	ug/l	100
84) 1,2,4-Trimethylbenzene	13.035	105	1071926	49.963	ug/l	100
85) sec-Butylbenzene	13.170	105	1425553	49.854	ug/l	100
86) p-Isopropyltoluene	13.285	119	1196645	50.417	ug/l	100
87) 1,3-Dichlorobenzene	13.279	146	608249	48.481	ug/l	100
88) 1,4-Dichlorobenzene	13.359	146	605079	48.618	ug/l	100
89) n-Butylbenzene	13.609	91	1099864	50.454	ug/l	100
90) Hexachloroethane	13.871	117	238005	48.984	ug/l	100
91) 1,2-Dichlorobenzene	13.651	146	536637	48.772	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.267	75	35867	50.592	ug/l	100
93) 1,2,4-Trichlorobenzene	14.913	180	320080	49.192	ug/l	100
94) Hexachlorobutadiene	15.017	225	185604	48.543	ug/l	100
95) Naphthalene	15.139	128	562363	50.685	ug/l	100
96) 1,2,3-Trichlorobenzene	15.322	180	272154	48.540	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081225\
Data File : VY023053.D
Acq On : 12 Aug 2025 16:02
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025

Quant Time: Aug 13 01:53:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 01:46:43 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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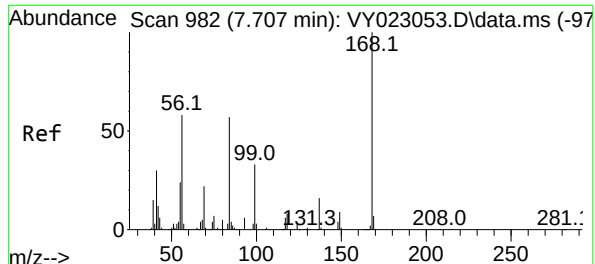
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Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations

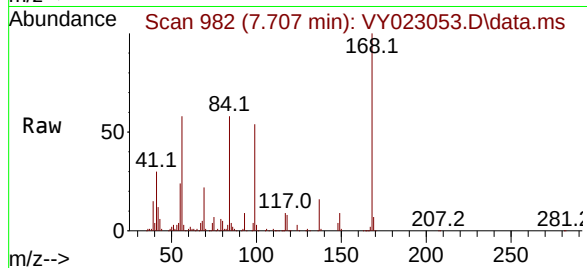
Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

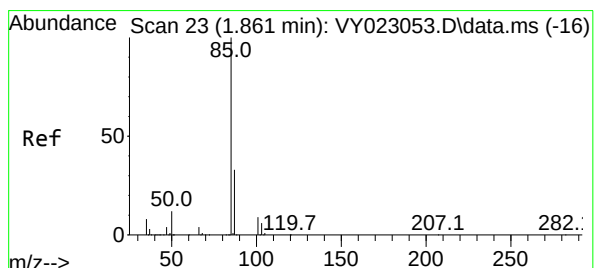
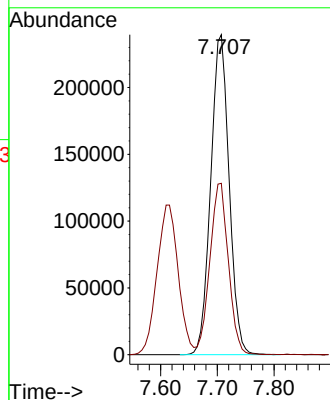
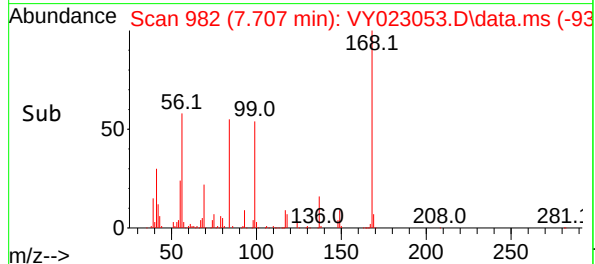
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



Tgt Ion: 168 Resp: 53928
Ion Ratio Lower Upper
168 100
99 53.5 42.8 64.2

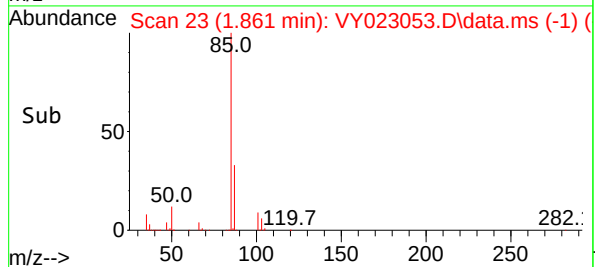
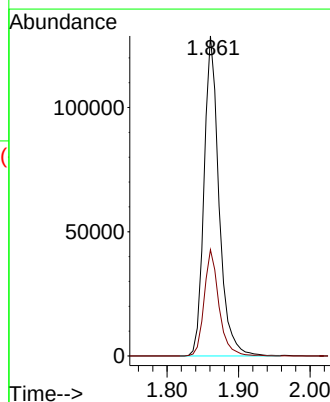
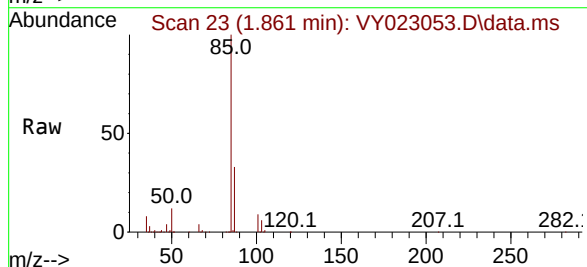
Manual Integrations
APPROVED

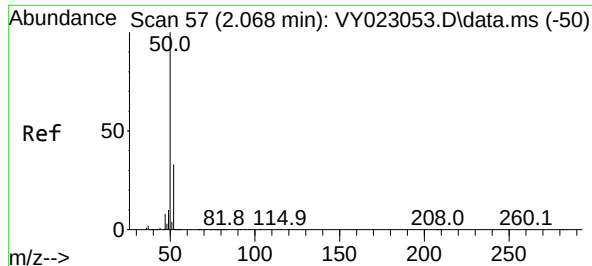
Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025



#2
Dichlorodifluoromethane
Concen: 42.677 ug/l
RT: 1.861 min Scan# 23
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion: 85 Resp: 187863
Ion Ratio Lower Upper
85 100
87 33.2 16.6 49.8





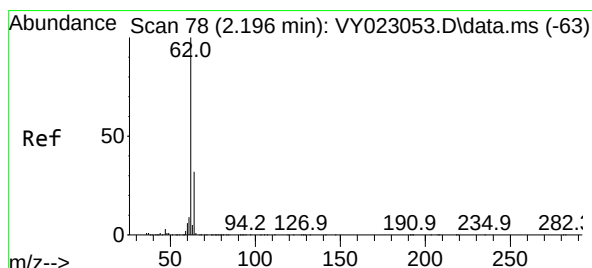
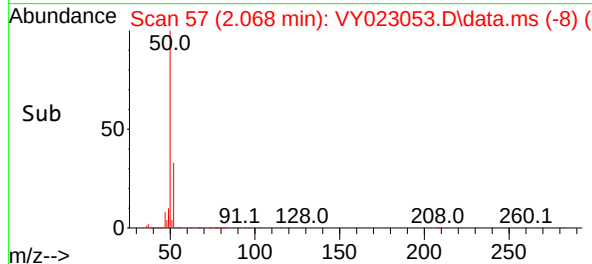
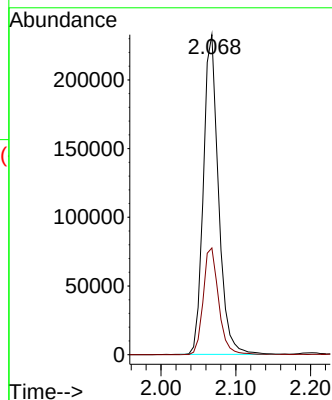
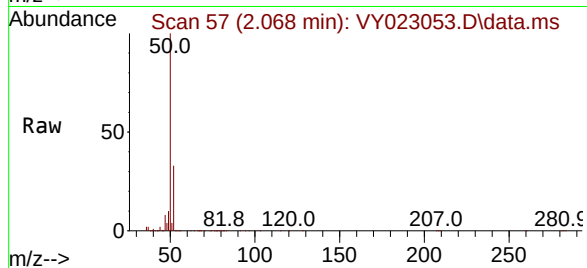
#3
Chloromethane
Concen: 45.932 ug/l
RT: 2.068 min Scan# 51
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 50 Resp: 32748
Ion Ratio Lower Upper
50 100
52 33.4 26.7 40.1

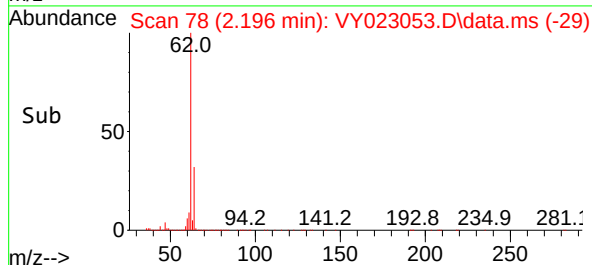
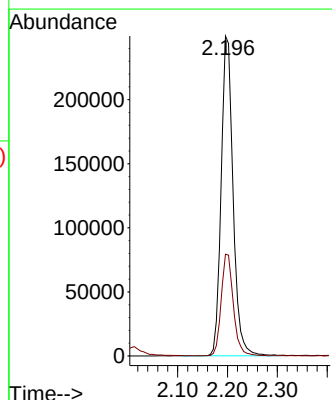
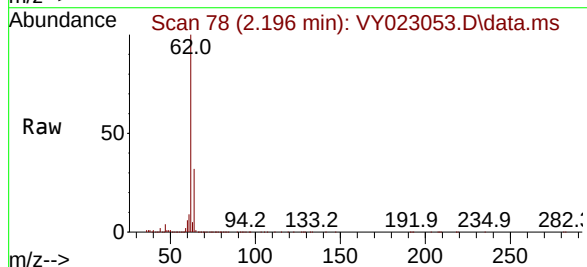
Manual Integrations
APPROVED

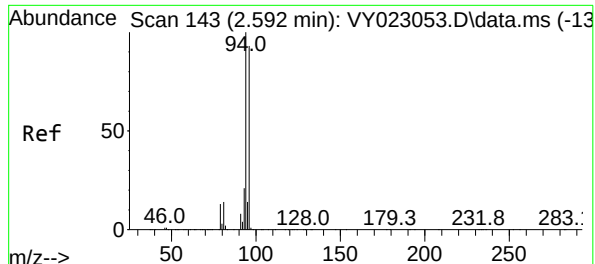
Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025



#4
Vinyl Chloride
Concen: 47.044 ug/l
RT: 2.196 min Scan# 78
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion: 62 Resp: 414609
Ion Ratio Lower Upper
62 100
64 31.7 25.4 38.0





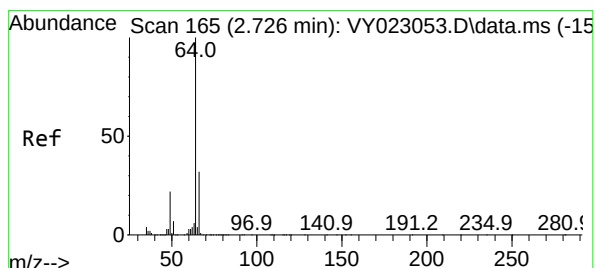
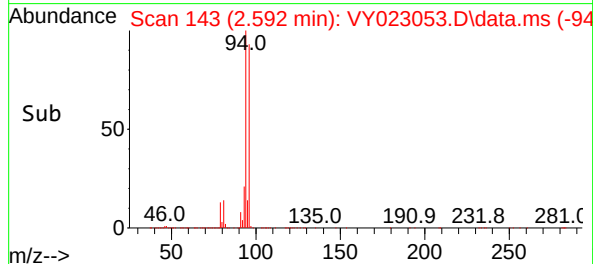
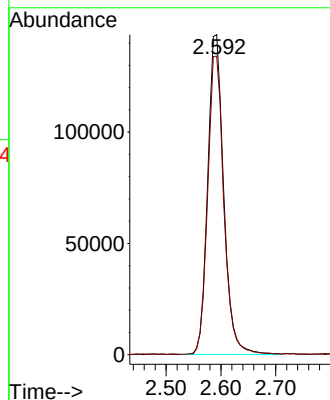
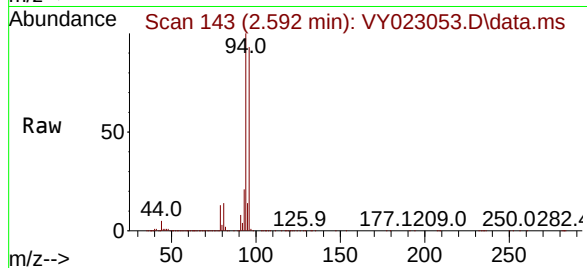
#5
Bromomethane
Concen: 44.263 ug/l
RT: 2.592 min Scan# 143
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 94 Resp: 291330
Ion Ratio Lower Upper
94 100
96 93.3 74.6 112.0

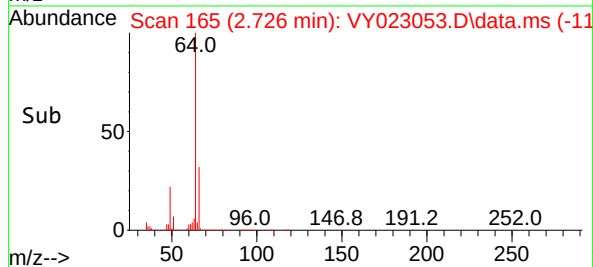
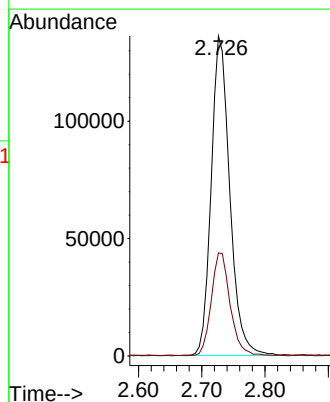
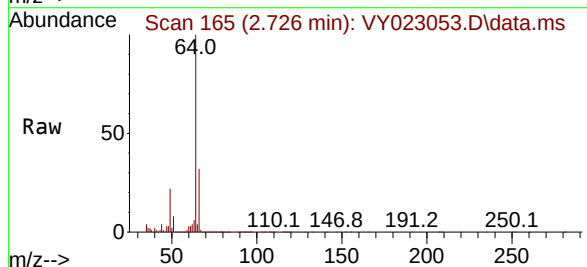
Manual Integrations
APPROVED

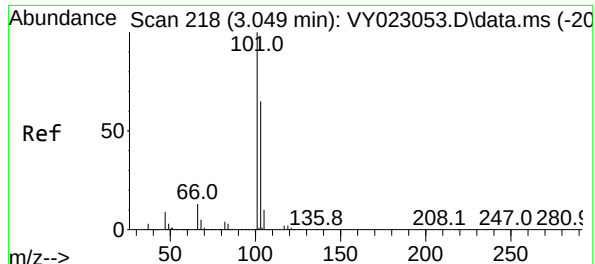
Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025



#6
Chloroethane
Concen: 47.394 ug/l
RT: 2.726 min Scan# 165
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

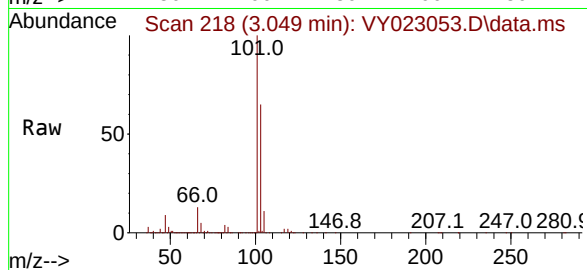
Tgt Ion: 64 Resp: 277698
Ion Ratio Lower Upper
64 100
66 32.2 25.8 38.6





#7
Trichlorofluoromethane
Concen: 47.136 ug/l
RT: 3.049 min Scan# 218
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

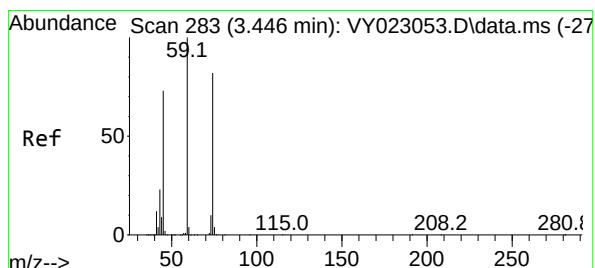
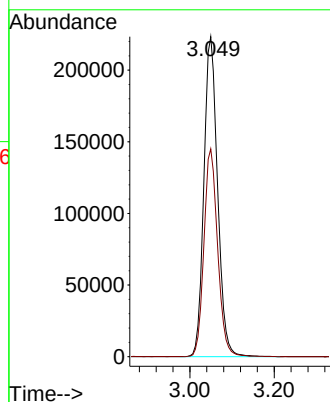
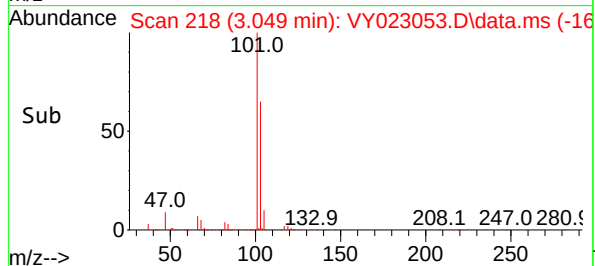
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



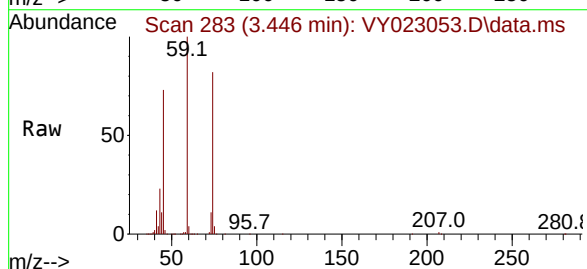
Tgt Ion:101 Resp: 50513
Ion Ratio Lower Upper
101 100
103 64.9 51.9 77.9

Manual Integrations
APPROVED

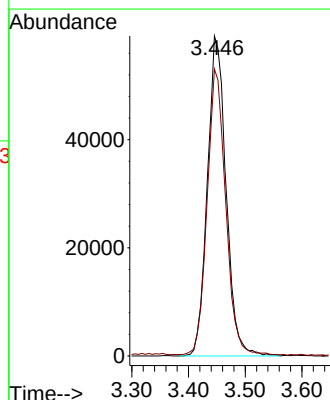
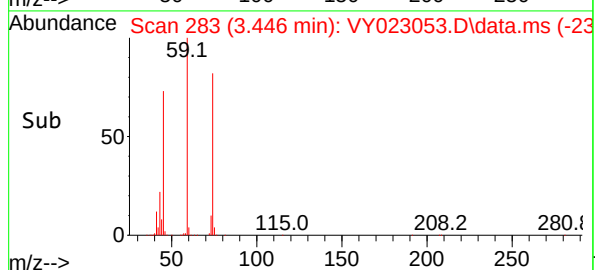
Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025

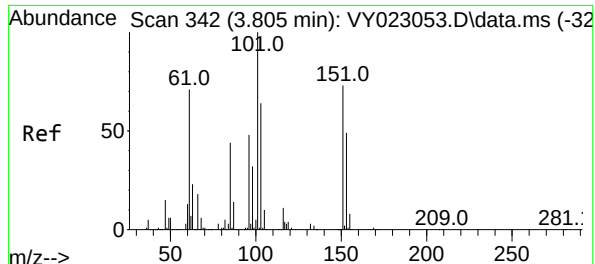


#8
Diethyl Ether
Concen: 47.747 ug/l
RT: 3.446 min Scan# 283
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02



Tgt Ion: 74 Resp: 135373
Ion Ratio Lower Upper
74 100
45 88.8 44.4 133.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.109 ug/l

RT: 3.805 min Scan# 342

Delta R.T. 0.000 min

Lab File: VY023053.D

Acq: 12 Aug 2025 16:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion:101 Resp: 24906

Ion Ratio Lower Upper

101 100

85 45.4 36.3 54.5

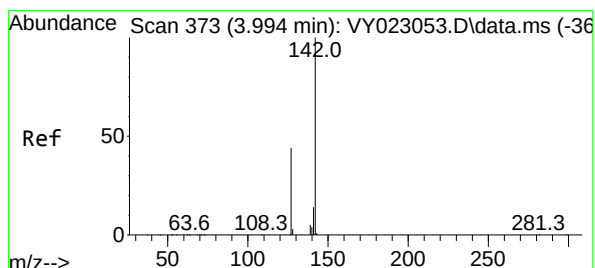
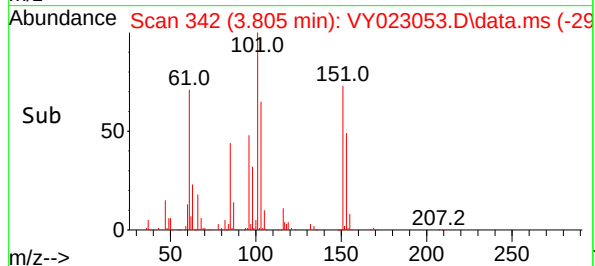
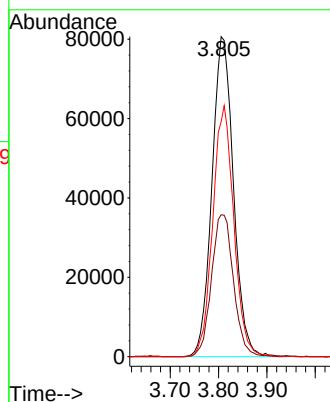
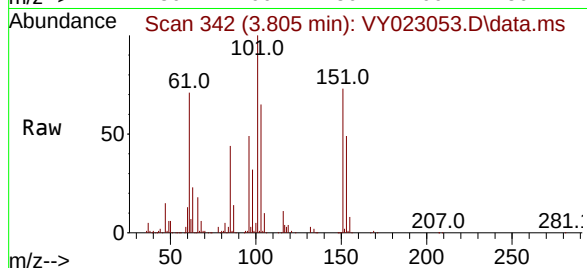
151 76.9 61.5 92.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025

Supervised By :Semsettin Yesilyurt 08/14/2025



#10

Methyl Iodide

Concen: 51.899 ug/l

RT: 3.994 min Scan# 373

Delta R.T. 0.000 min

Lab File: VY023053.D

Acq: 12 Aug 2025 16:02

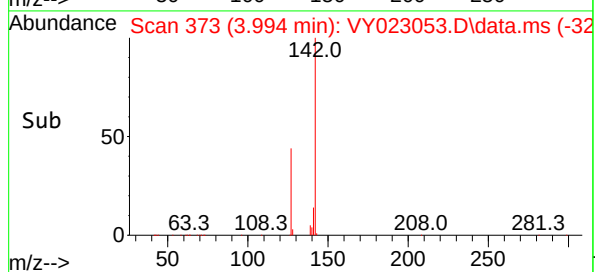
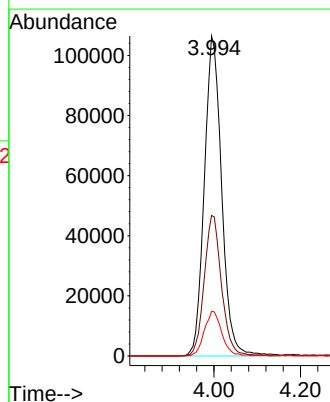
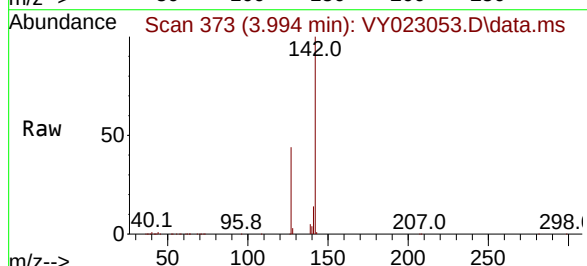
Tgt Ion:142 Resp: 296087

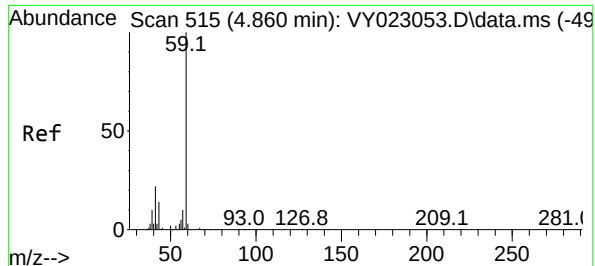
Ion Ratio Lower Upper

142 100

127 43.6 34.9 52.3

141 14.1 11.3 16.9





#11

Tert butyl alcohol

Concen: 243.383 ug/l

RT: 4.860 min Scan# 515

Delta R.T. 0.000 min

Lab File: VY023053.D

Acq: 12 Aug 2025 16:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 59 Resp: 8571

Ion Ratio Lower Upper

59 100

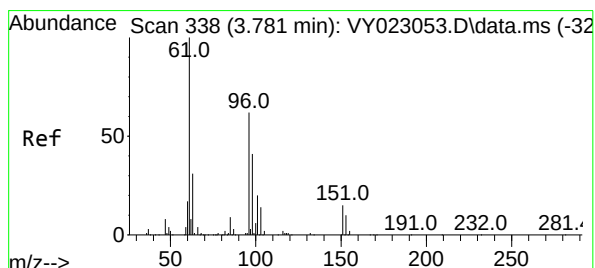
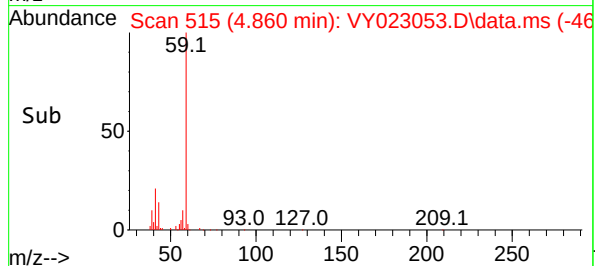
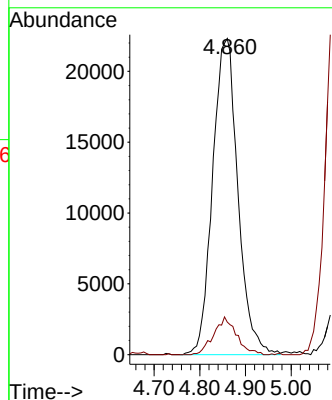
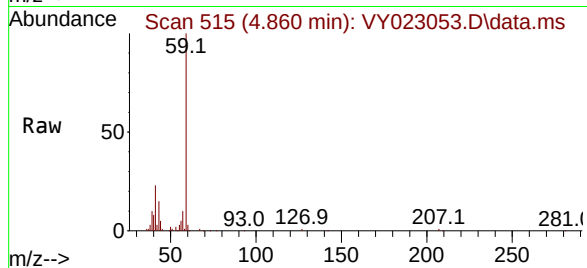
57 10.8 8.6 13.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025

Supervised By :Semsettin Yesilyurt 08/14/2025



#12

1,1-Dichloroethene

Concen: 48.009 ug/l

RT: 3.781 min Scan# 338

Delta R.T. 0.000 min

Lab File: VY023053.D

Acq: 12 Aug 2025 16:02

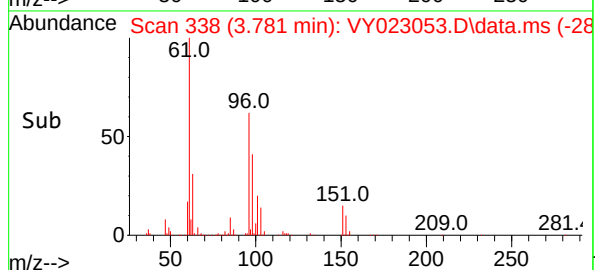
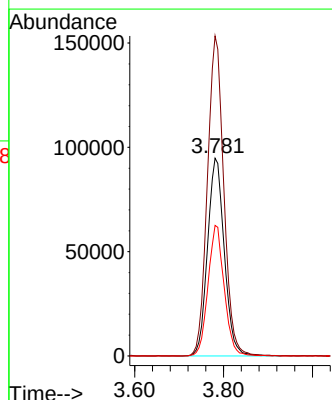
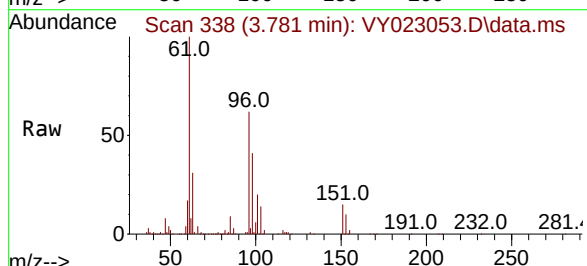
Tgt Ion: 96 Resp: 249492

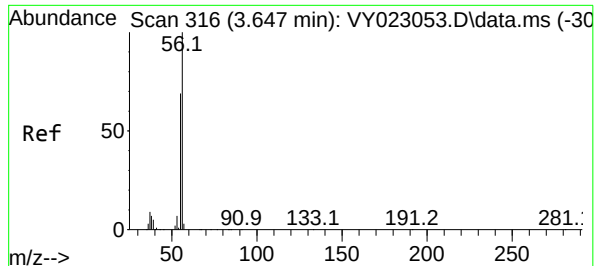
Ion Ratio Lower Upper

96 100

61 161.8 129.4 194.2

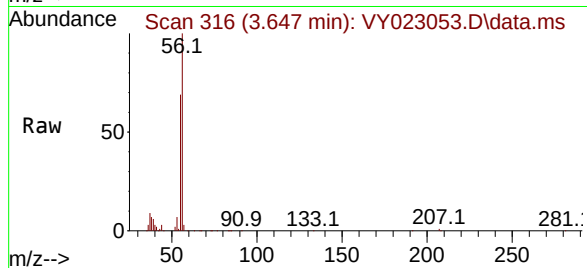
98 66.0 52.8 79.2





#13
Acrolein
Concen: 234.966 ug/l
RT: 3.647 min Scan# 316
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

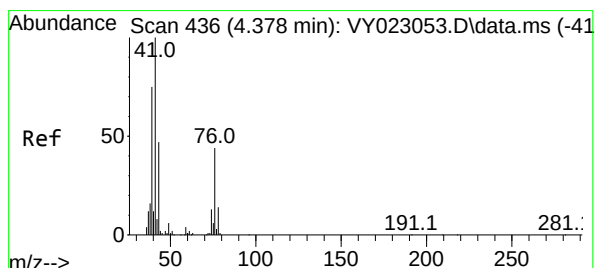
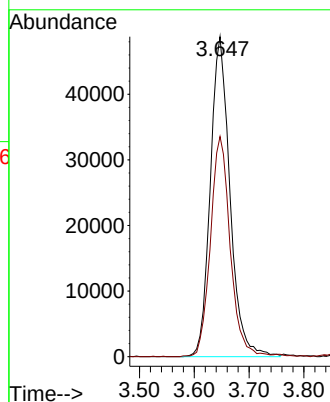
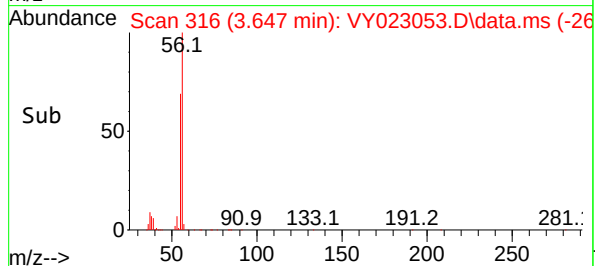
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



Tgt Ion: 56 Resp: 121185
Ion Ratio Lower Upper
56 100
55 69.0 55.2 82.8

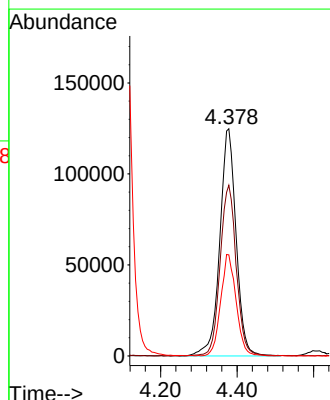
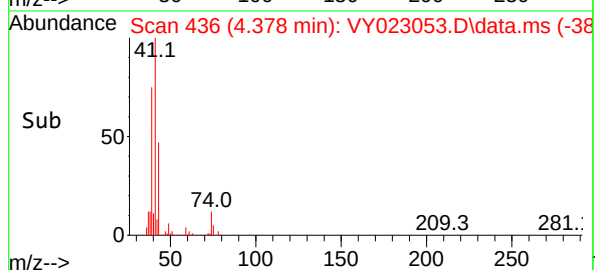
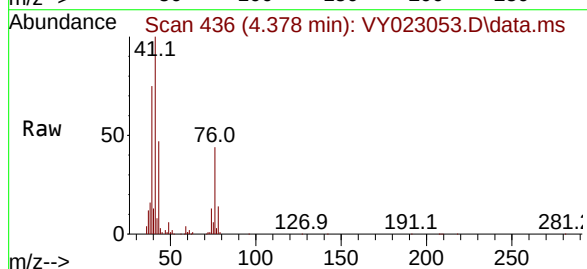
Manual Integrations
APPROVED

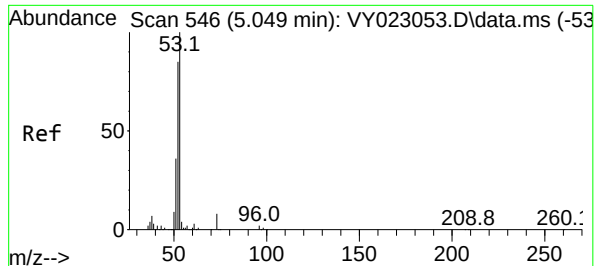
Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025



#14
Allyl chloride
Concen: 48.350 ug/l
RT: 4.378 min Scan# 436
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion: 41 Resp: 369720
Ion Ratio Lower Upper
41 100
39 74.7 59.8 89.6
76 42.1 33.7 50.5





#15

Acrylonitrile

Concen: 247.839 ug/l

RT: 5.049 min Scan# 546

Delta R.T. 0.000 min

Lab File: VY023053.D

Acq: 12 Aug 2025 16:02

Instrument :

MSVOA_Y

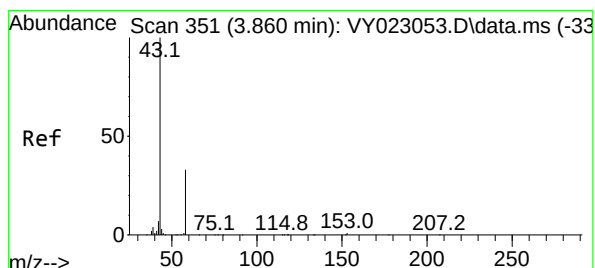
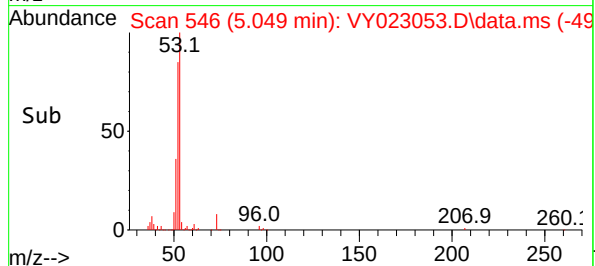
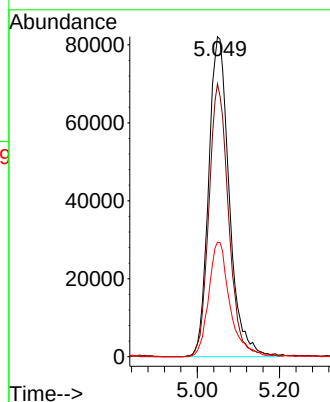
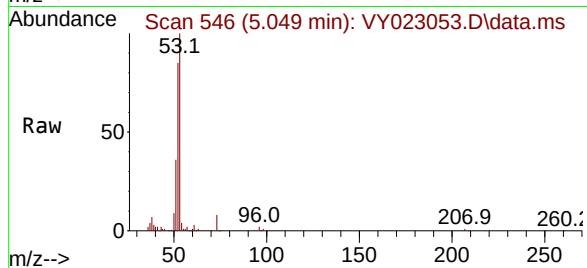
ClientSampleId :

VSTDICCC050

Tgt Ion:	53	Resp:	28567
Ion	Ratio	Lower	Upper
53	100		
52	81.6	65.3	97.9
51	36.9	29.5	44.3

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025



#16

Acetone

Concen: 250.122 ug/l

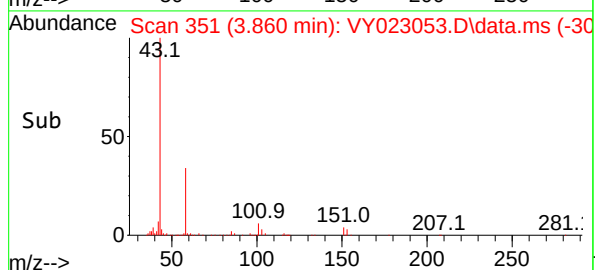
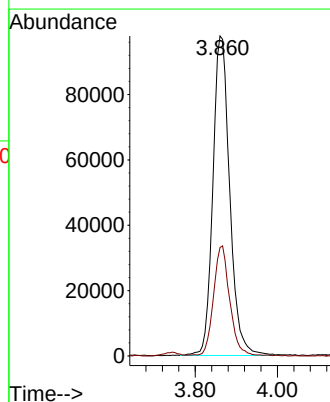
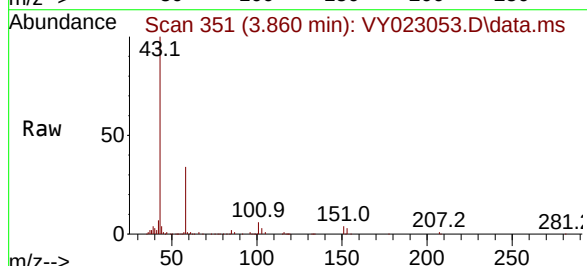
RT: 3.860 min Scan# 351

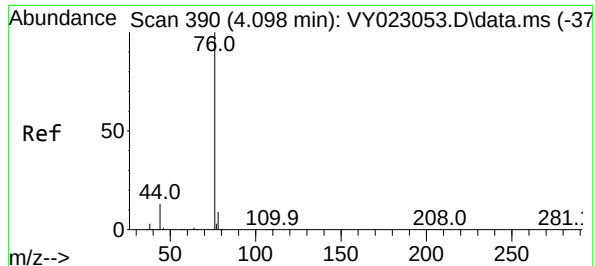
Delta R.T. 0.000 min

Lab File: VY023053.D

Acq: 12 Aug 2025 16:02

Tgt Ion:	43	Resp:	278510
Ion	Ratio	Lower	Upper
43	100		
58	33.9	27.1	40.7





#17

Carbon Disulfide

Concen: 47.456 ug/l

RT: 4.098 min Scan# 390

Delta R.T. 0.000 min

Lab File: VY023053.D

Acq: 12 Aug 2025 16:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 76 Resp: 804119

Ion Ratio Lower Upper

76 100

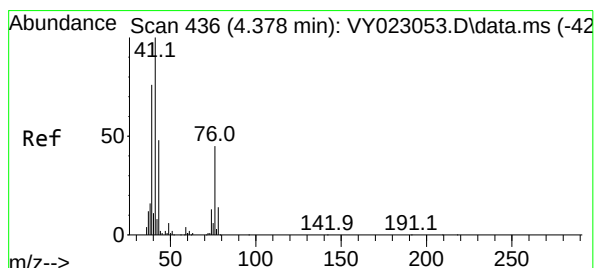
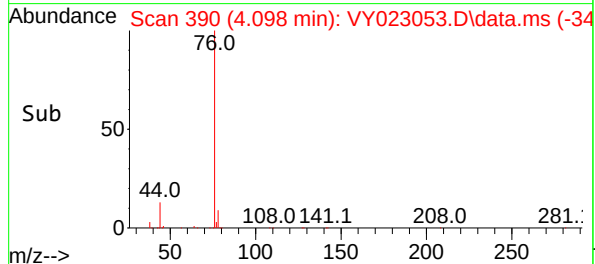
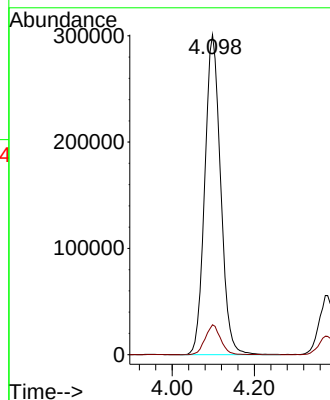
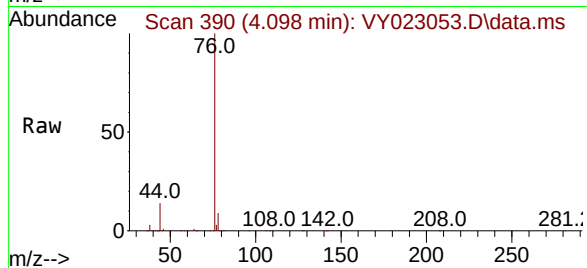
78 9.3 7.4 11.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025

Supervised By :Semsettin Yesilyurt 08/14/2025



#18

Methyl Acetate

Concen: 52.403 ug/l

RT: 4.378 min Scan# 436

Delta R.T. 0.000 min

Lab File: VY023053.D

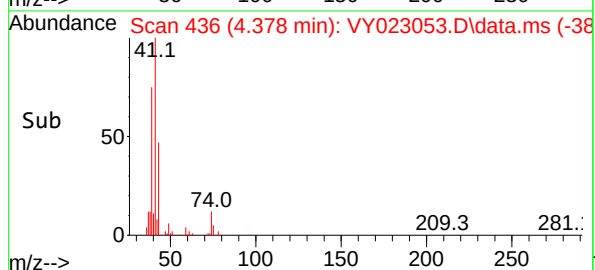
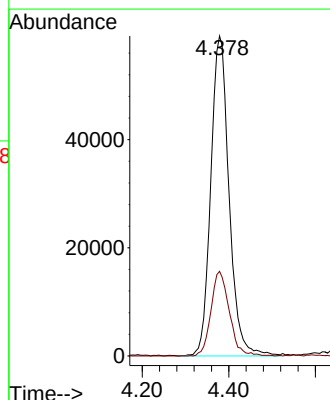
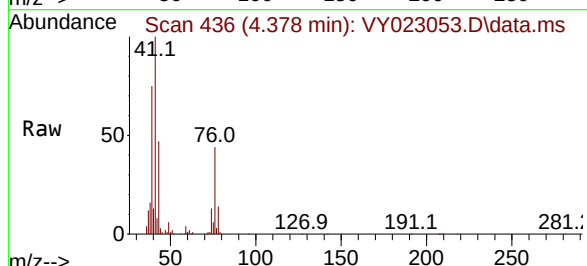
Acq: 12 Aug 2025 16:02

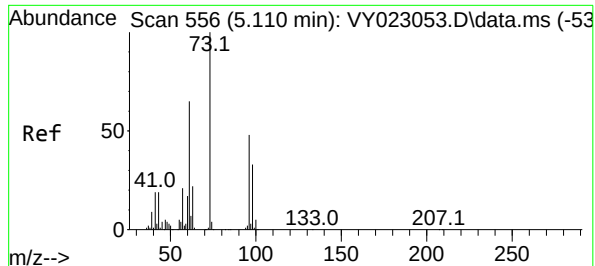
Tgt Ion: 43 Resp: 173642

Ion Ratio Lower Upper

43 100

74 26.5 21.2 31.8





#19

Methyl tert-butyl Ether

Concen: 49.495 ug/l

RT: 5.110 min Scan# 556

Delta R.T. 0.000 min

Lab File: VY023053.D

Acq: 12 Aug 2025 16:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 73 Resp: 666514

Ion Ratio Lower Upper

73 100

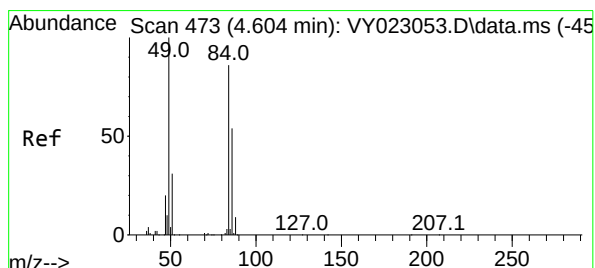
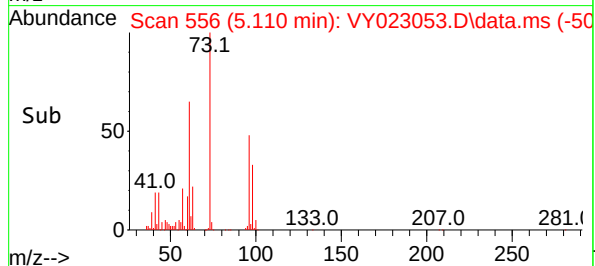
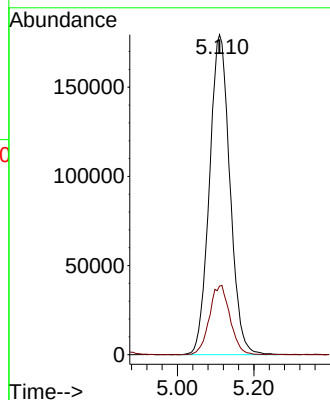
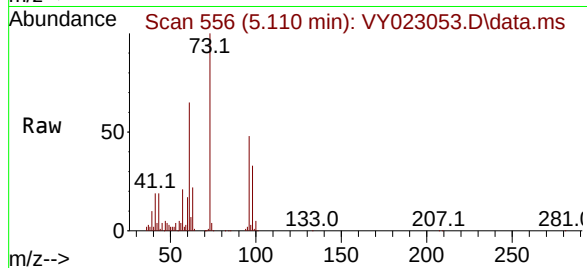
57 21.4 17.1 25.7

Manual Integrations

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Reviewed By :Mahesh Dadoda 08/14/2025

Supervised By :Semsettin Yesilyurt 08/14/2025



#20

Methylene Chloride

Concen: 47.415 ug/l

RT: 4.604 min Scan# 473

Delta R.T. 0.000 min

Lab File: VY023053.D

Acq: 12 Aug 2025 16:02

Tgt Ion: 84 Resp: 275004

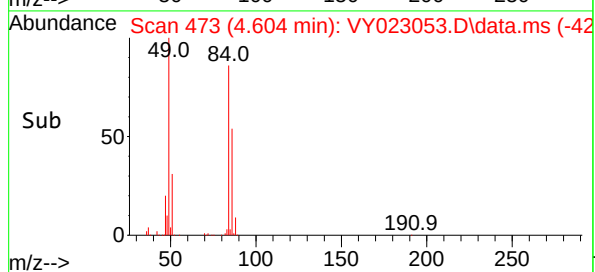
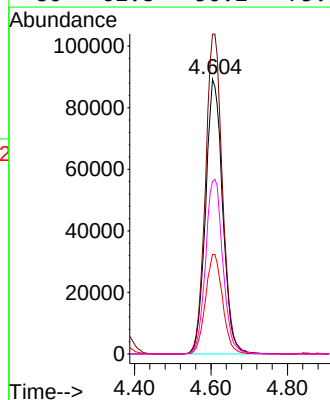
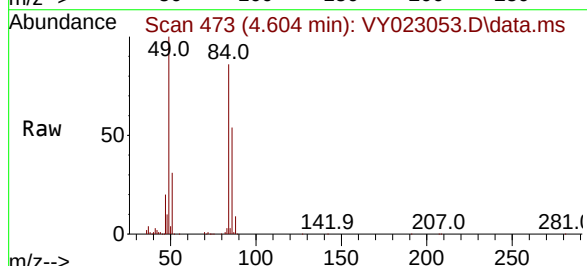
Ion Ratio Lower Upper

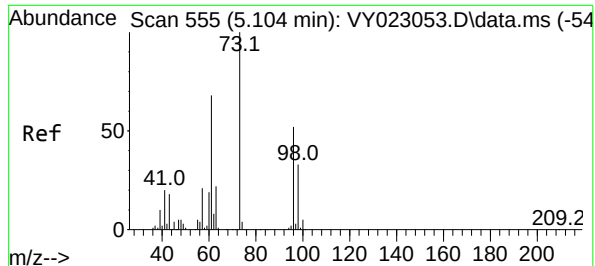
84 100

49 116.3 93.0 139.6

51 36.2 29.0 43.4

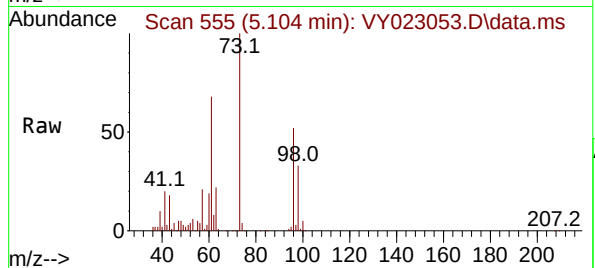
86 62.8 50.2 75.4





#21
trans-1,2-Dichloroethene
Concen: 48.334 ug/l
RT: 5.104 min Scan# 511
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

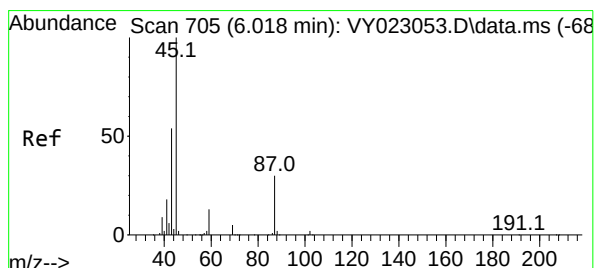
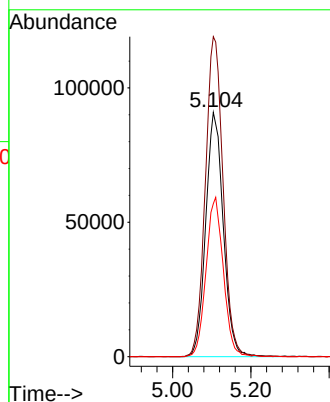
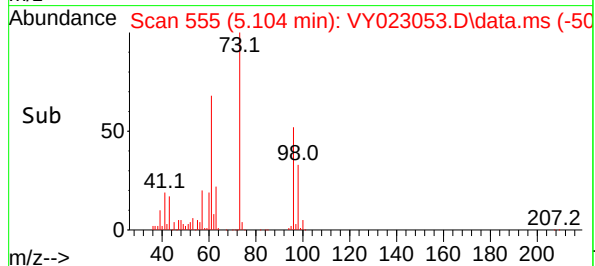
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



Tgt Ion: 96 Resp: 282272
Ion Ratio Lower Upper
96 100
61 131.0 104.8 157.2
98 62.6 50.1 75.1

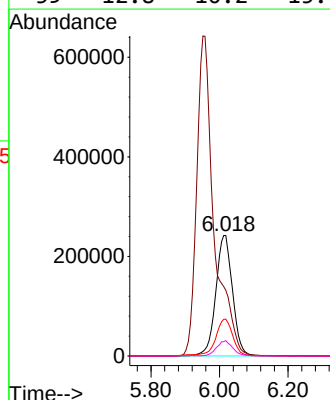
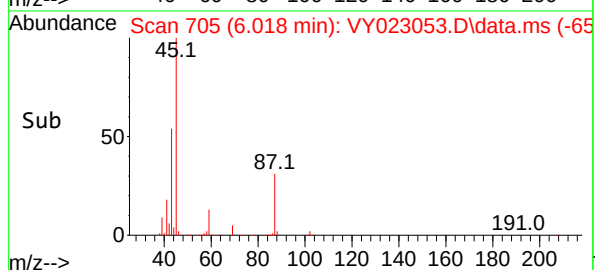
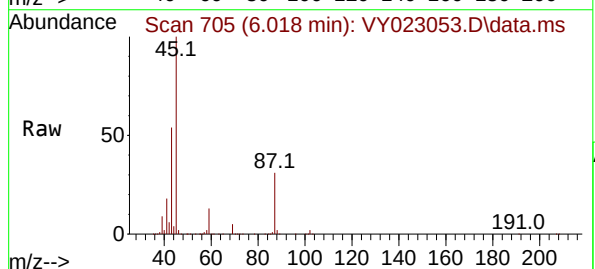
Manual Integrations
APPROVED

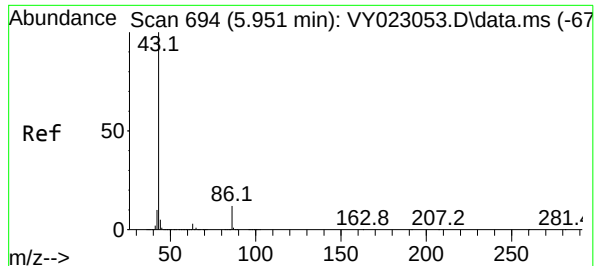
Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025



#22
Diisopropyl ether
Concen: 49.070 ug/l
RT: 6.018 min Scan# 705
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion: 45 Resp: 815359
Ion Ratio Lower Upper
45 100
43 54.2 43.4 65.0
87 30.5 24.4 36.6
59 12.8 10.2 15.4





#23

Vinyl Acetate

Concen: 246.849 ug/l

RT: 5.951 min Scan# 694

Delta R.T. 0.000 min

Lab File: VY023053.D

Acq: 12 Aug 2025 16:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 43 Resp: 226804

Ion Ratio Lower Upper

43 100

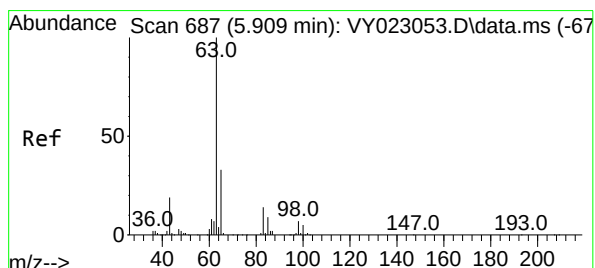
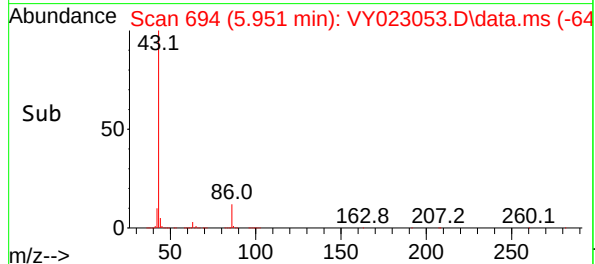
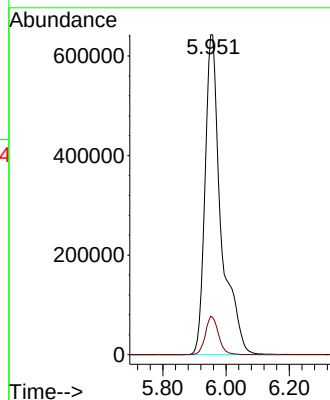
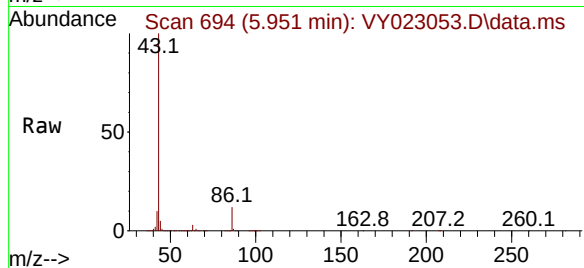
86 12.0 9.6 14.4

Manual Integrations

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Reviewed By :Mahesh Dadoda 08/14/2025

Supervised By :Semsettin Yesilyurt 08/14/2025



#24

1,1-Dichloroethane

Concen: 48.732 ug/l

RT: 5.909 min Scan# 687

Delta R.T. 0.000 min

Lab File: VY023053.D

Acq: 12 Aug 2025 16:02

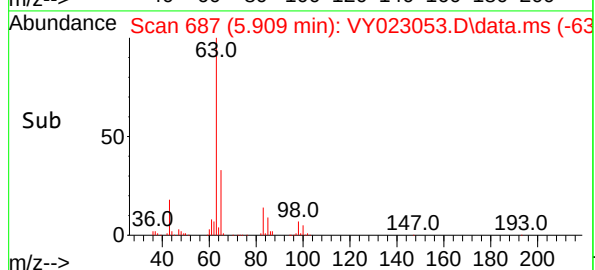
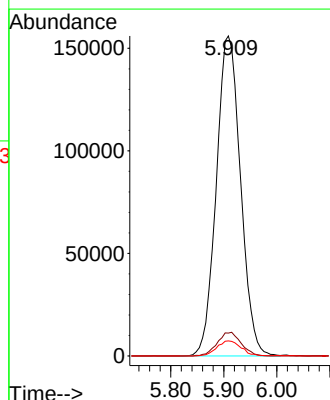
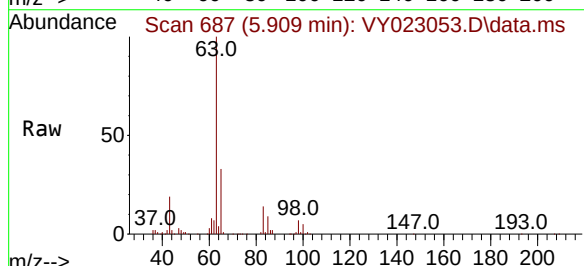
Tgt Ion: 63 Resp: 495073

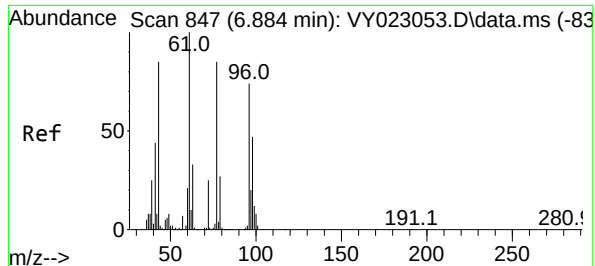
Ion Ratio Lower Upper

63 100

98 7.1 3.5 10.6

100 4.7 2.4 7.1





#25

2-Butanone

Concen: 252.715 ug/l

RT: 6.884 min Scan# 847

Delta R.T. 0.000 min

Lab File: VY023053.D

Acq: 12 Aug 2025 16:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 43 Resp: 38271

Ion Ratio Lower Upper

43 100

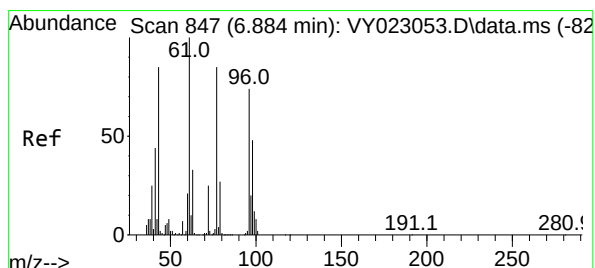
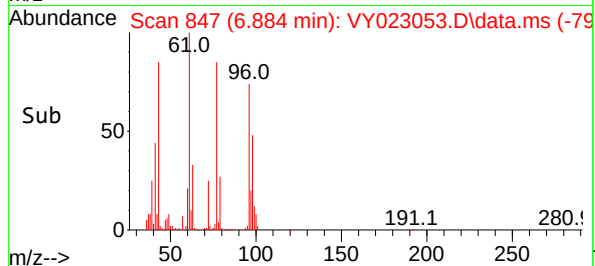
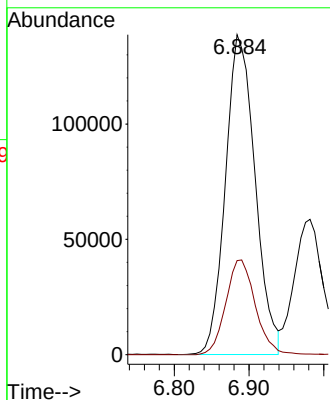
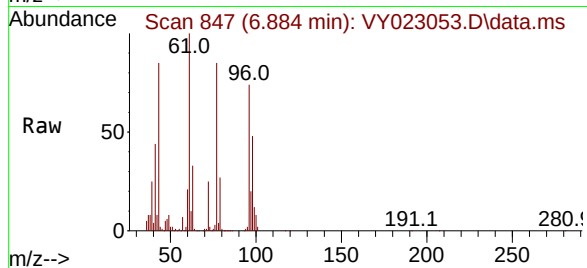
72 29.4 23.5 35.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025

Supervised By :Semsettin Yesilyurt 08/14/2025



#26

2,2-Dichloropropane

Concen: 48.571 ug/l

RT: 6.884 min Scan# 847

Delta R.T. 0.000 min

Lab File: VY023053.D

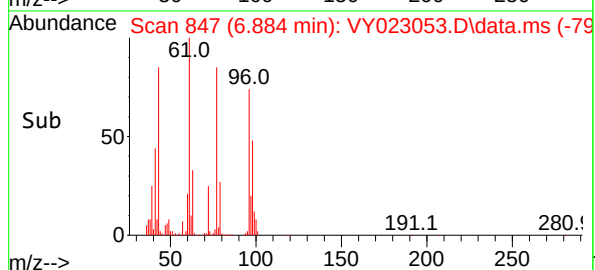
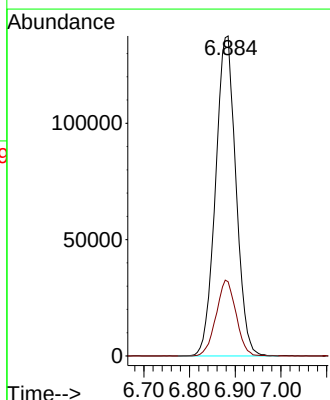
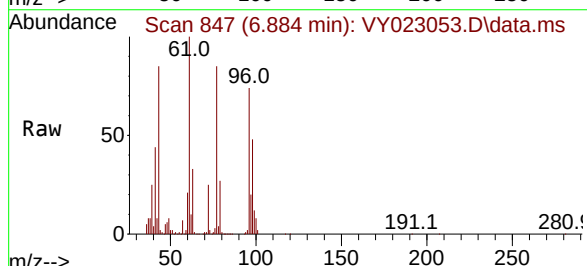
Acq: 12 Aug 2025 16:02

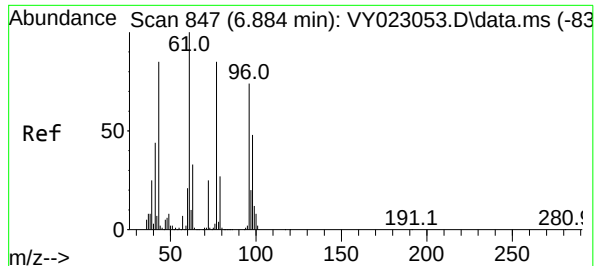
Tgt Ion: 77 Resp: 425773

Ion Ratio Lower Upper

77 100

97 23.2 11.6 34.8





#27

cis-1,2-Dichloroethene

Concen: 48.474 ug/l

RT: 6.884 min Scan# 847

Delta R.T. 0.000 min

Lab File: VY023053.D

Acq: 12 Aug 2025 16:02

Tgt Ion: 96 Resp: 32727

Ion Ratio Lower Upper

96 100

61 139.3 0.0 278.6

98 65.2 0.0 130.4

Instrument :

MSVOA_Y

ClientSampleId :

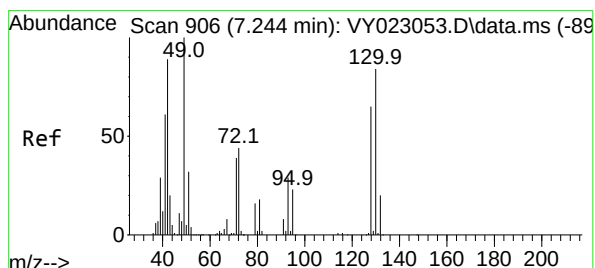
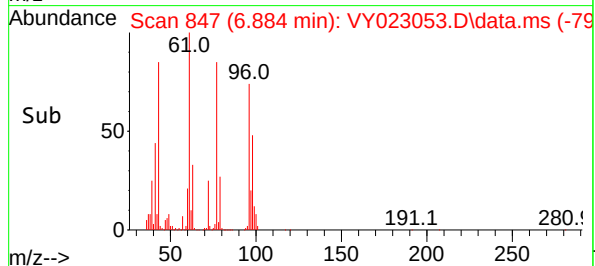
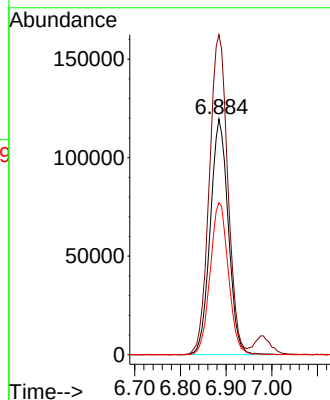
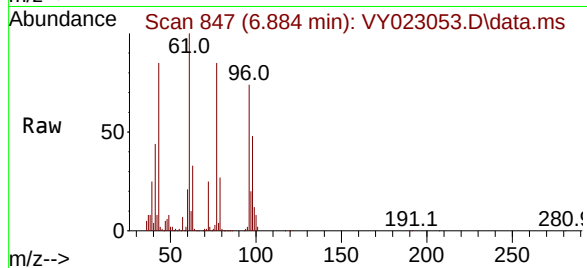
VSTDICCC050

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025

Supervised By :Semsettin Yesilyurt 08/14/2025



#28

Bromochloromethane

Concen: 48.795 ug/l

RT: 7.244 min Scan# 906

Delta R.T. 0.000 min

Lab File: VY023053.D

Acq: 12 Aug 2025 16:02

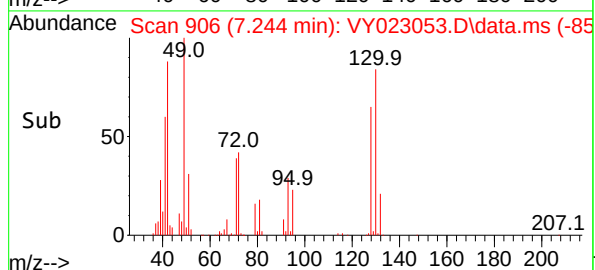
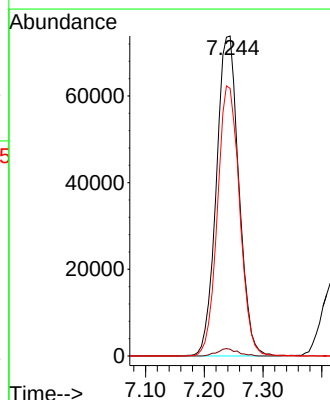
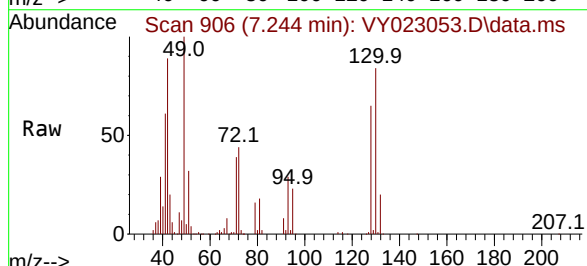
Tgt Ion: 49 Resp: 196667

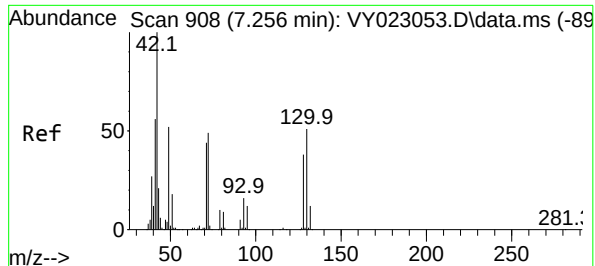
Ion Ratio Lower Upper

49 100

129 2.1 0.0 4.2

130 83.0 66.4 99.6





#29

Tetrahydrofuran

Concen: 250.523 ug/l

RT: 7.256 min Scan# 908

Delta R.T. 0.000 min

Lab File: VY023053.D

Acq: 12 Aug 2025 16:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 42 Resp: 235169

Ion Ratio Lower Upper

42 100

72 49.3 39.4 59.2

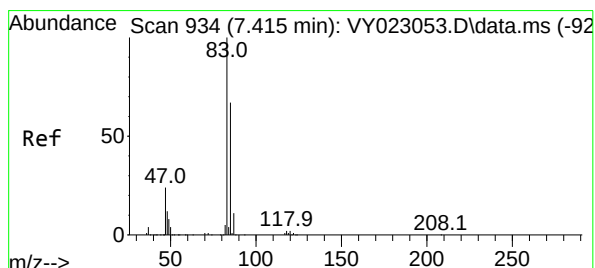
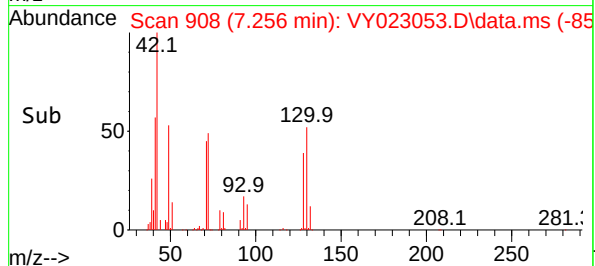
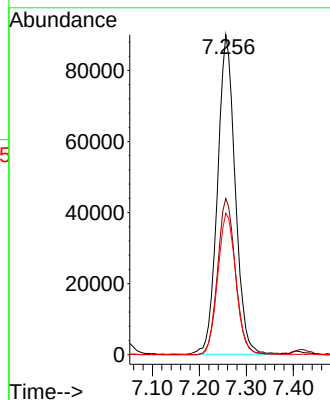
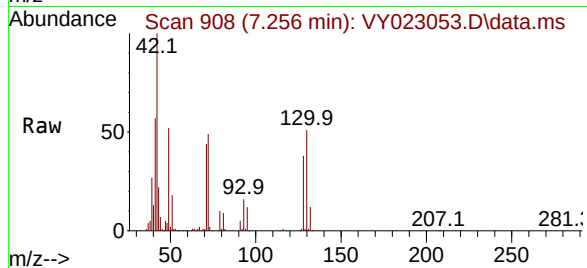
71 45.6 36.5 54.7

Manual Integrations

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Reviewed By :Mahesh Dadoda 08/14/2025

Supervised By :Semsettin Yesilyurt 08/14/2025



#30

Chloroform

Concen: 48.547 ug/l

RT: 7.415 min Scan# 934

Delta R.T. 0.000 min

Lab File: VY023053.D

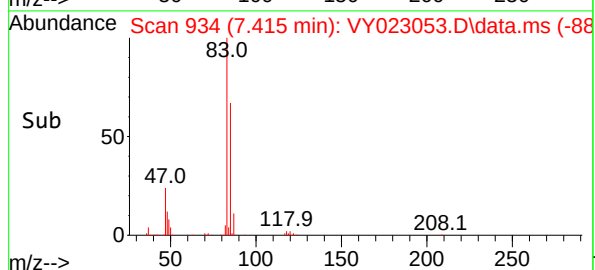
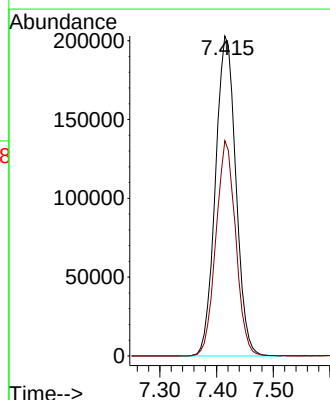
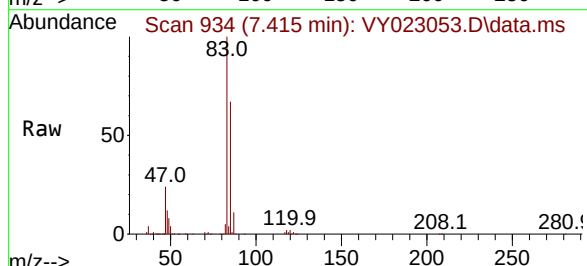
Acq: 12 Aug 2025 16:02

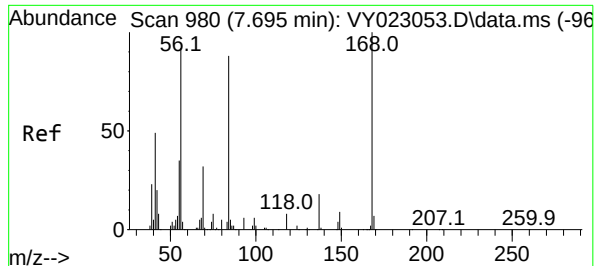
Tgt Ion: 83 Resp: 508641

Ion Ratio Lower Upper

83 100

85 67.3 53.8 80.8





#31

Cyclohexane

Concen: 45.989 ug/l

RT: 7.695 min Scan# 980

Delta R.T. 0.000 min

Lab File: VY023053.D

Acq: 12 Aug 2025 16:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 56 Resp: 440260

Ion Ratio Lower Upper

56 100

69 35.2 28.2 42.2

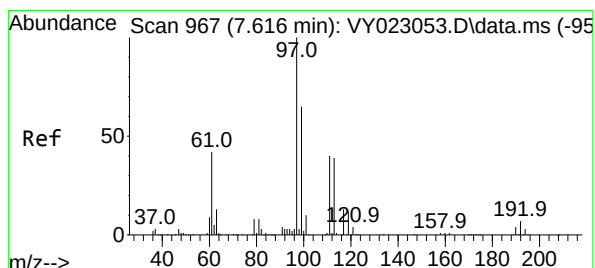
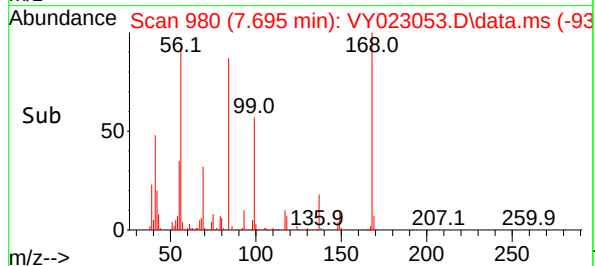
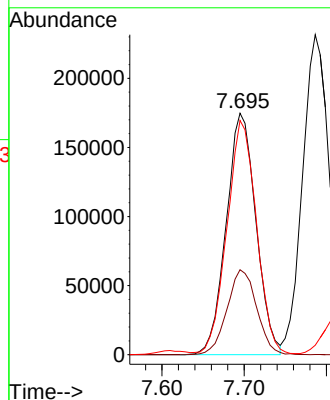
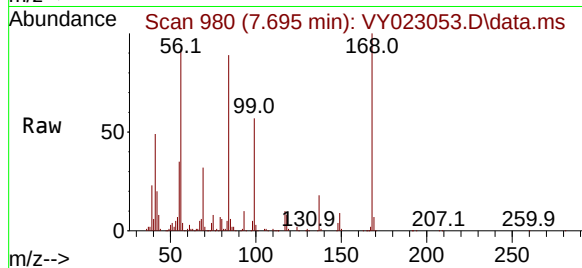
84 95.7 76.6 114.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025

Supervised By :Semsettin Yesilyurt 08/14/2025



#32

1,1,1-Trichloroethane

Concen: 48.569 ug/l

RT: 7.616 min Scan# 967

Delta R.T. 0.000 min

Lab File: VY023053.D

Acq: 12 Aug 2025 16:02

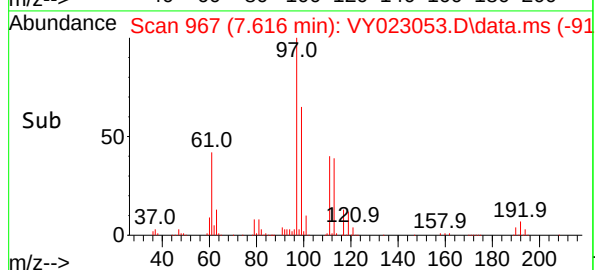
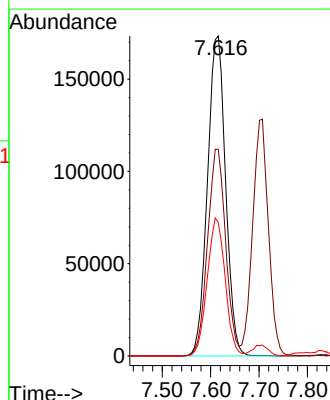
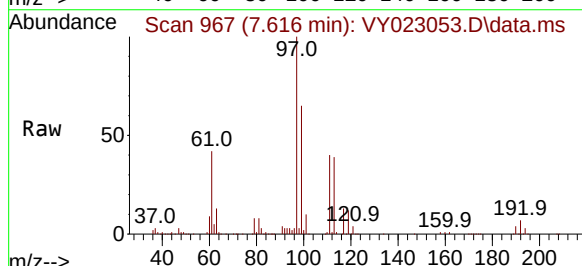
Tgt Ion: 97 Resp: 451521

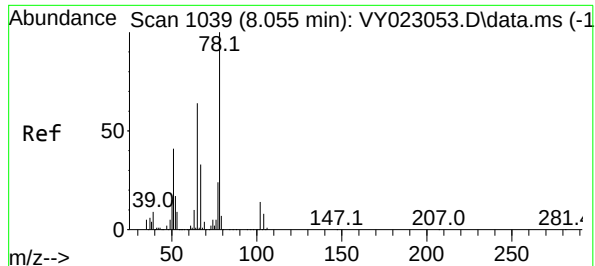
Ion Ratio Lower Upper

97 100

99 64.5 51.6 77.4

61 42.7 34.2 51.2





#33

1,2-Dichloroethane-d4

Concen: 48.455 ug/l

RT: 8.055 min Scan# 1039

Delta R.T. 0.000 min

Lab File: VY023053.D

Acq: 12 Aug 2025 16:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 65 Resp: 24904

Ion Ratio Lower Upper

65 100

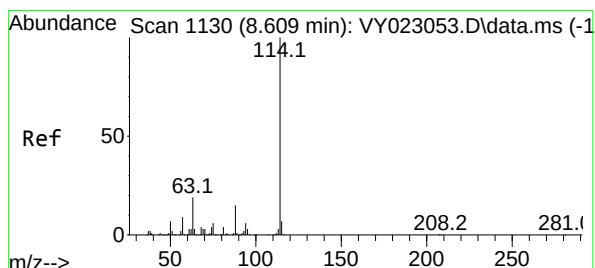
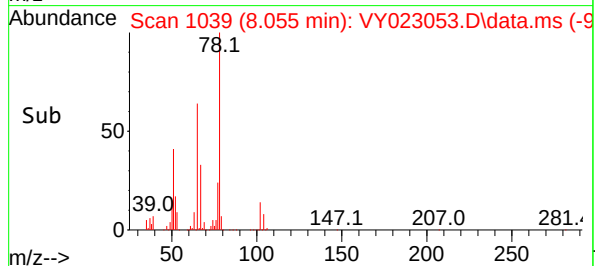
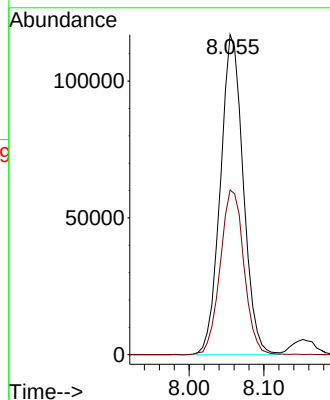
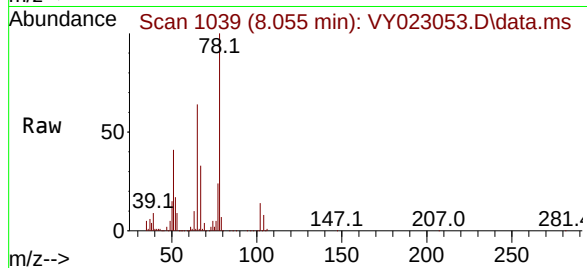
67 53.4 0.0 106.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025

Supervised By :Semsettin Yesilyurt 08/14/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.609 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VY023053.D

Acq: 12 Aug 2025 16:02

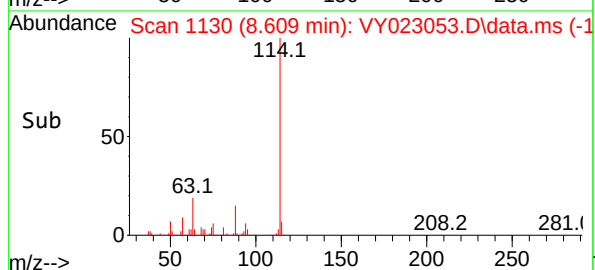
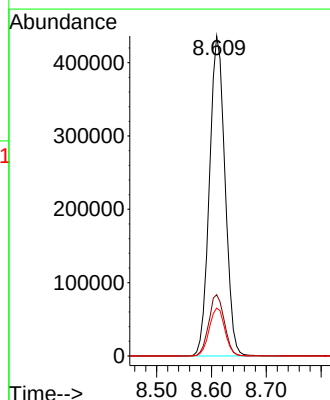
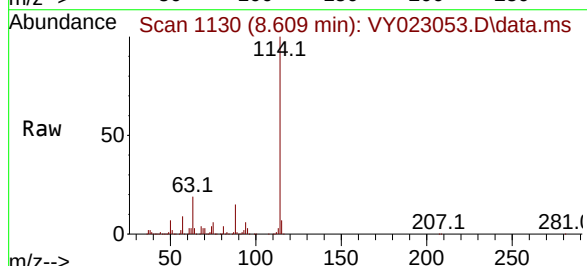
Tgt Ion:114 Resp: 856556

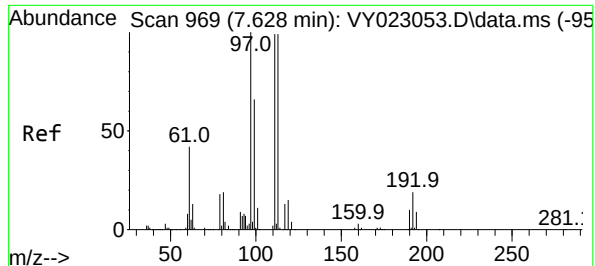
Ion Ratio Lower Upper

114 100

63 19.2 0.0 38.4

88 15.0 0.0 30.0





#35

Dibromofluoromethane

Concen: 49.010 ug/l

RT: 7.628 min Scan# 969

Delta R.T. 0.000 min

Lab File: VY023053.D

Acq: 12 Aug 2025 16:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion:113 Resp: 25119

Ion Ratio Lower Upper

113 100

111 101.4 81.1 121.7

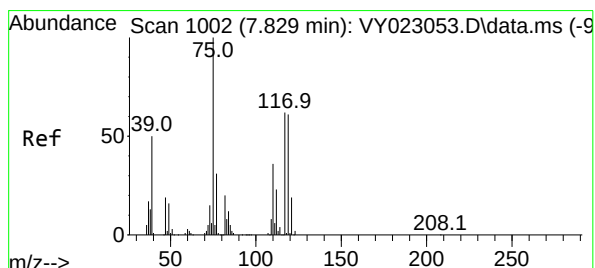
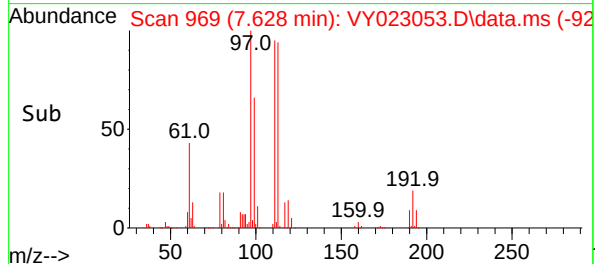
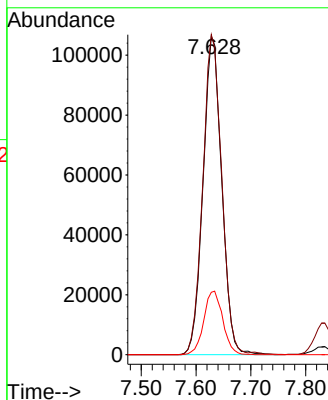
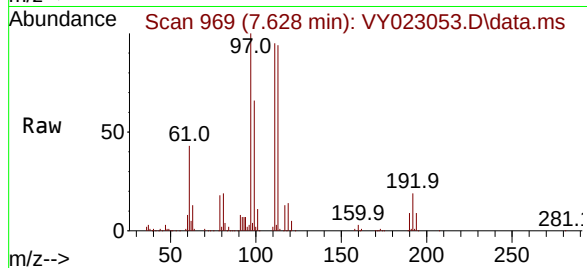
192 20.3 16.2 24.4

Manual Integrations

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Reviewed By :Mahesh Dadoda 08/14/2025

Supervised By :Semsettin Yesilyurt 08/14/2025



#36

1,1-Dichloropropene

Concen: 48.734 ug/l

RT: 7.829 min Scan# 1002

Delta R.T. 0.000 min

Lab File: VY023053.D

Acq: 12 Aug 2025 16:02

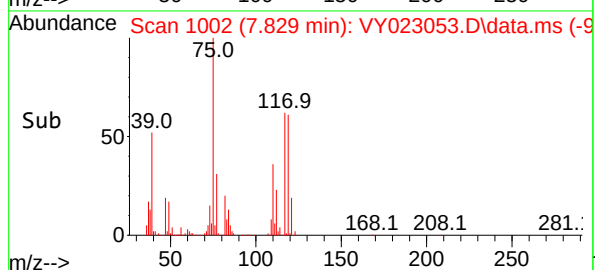
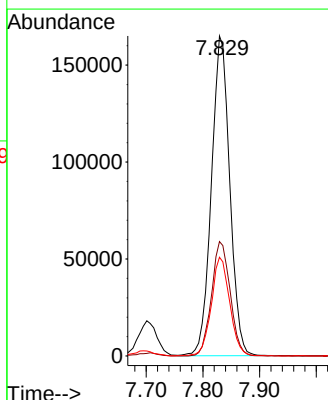
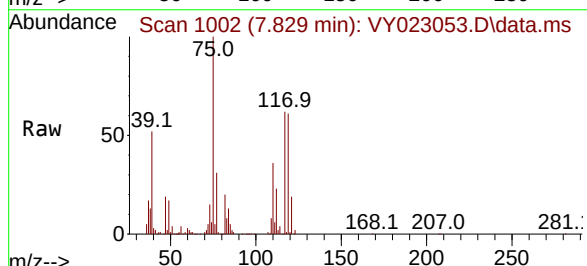
Tgt Ion: 75 Resp: 371204

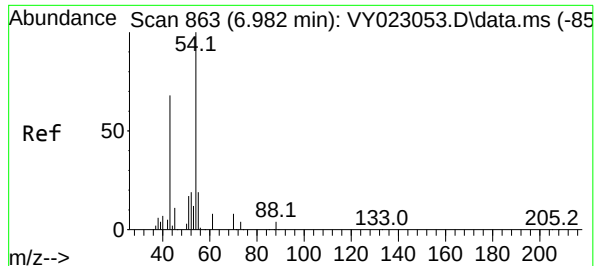
Ion Ratio Lower Upper

75 100

110 36.3 18.1 54.4

77 30.8 24.6 37.0





#37

Ethyl Acetate

Concen: 50.311 ug/l

RT: 6.982 min Scan# 80

Delta R.T. 0.000 min

Lab File: VY023053.D

Acq: 12 Aug 2025 16:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 43 Resp: 160980

Ion Ratio Lower Upper

43 100

61 14.9 11.9 17.9

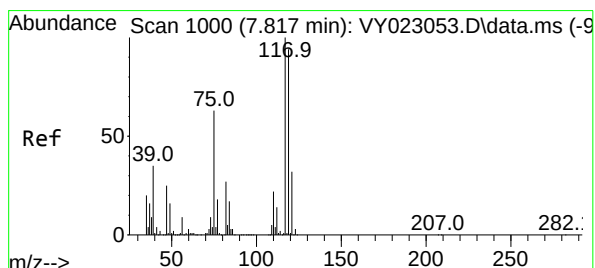
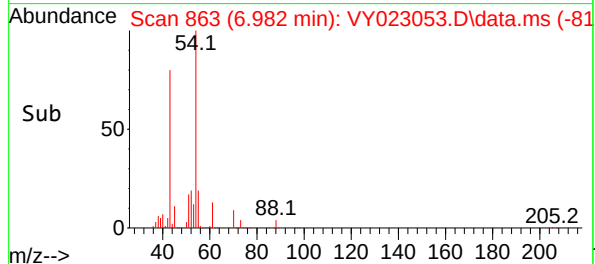
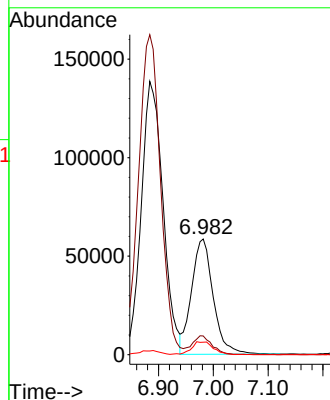
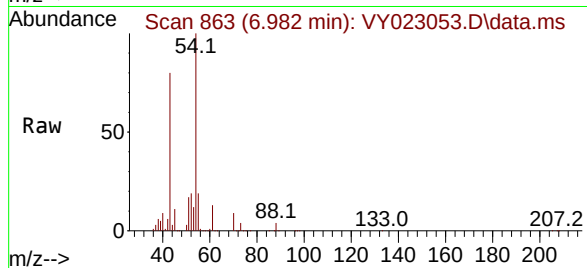
70 11.0 8.8 13.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025

Supervised By :Semsettin Yesilyurt 08/14/2025



#38

Carbon Tetrachloride

Concen: 48.285 ug/l

RT: 7.817 min Scan# 1000

Delta R.T. 0.000 min

Lab File: VY023053.D

Acq: 12 Aug 2025 16:02

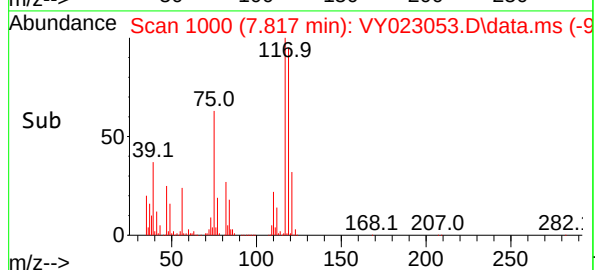
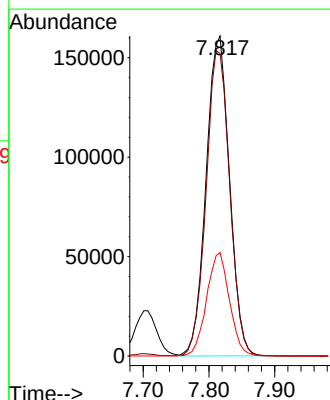
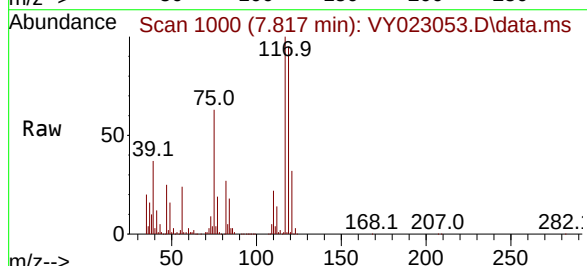
Tgt Ion:117 Resp: 399463

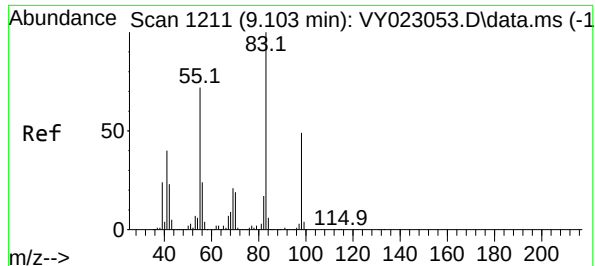
Ion Ratio Lower Upper

117 100

119 94.5 75.6 113.4

121 32.3 25.8 38.8





#39

Methylcyclohexane

Concen: 48.321 ug/l

RT: 9.103 min Scan# 1211

Delta R.T. 0.000 min

Lab File: VY023053.D

Acq: 12 Aug 2025 16:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 83 Resp: 48469

Ion Ratio Lower Upper

83 100

55 72.0 57.6 86.4

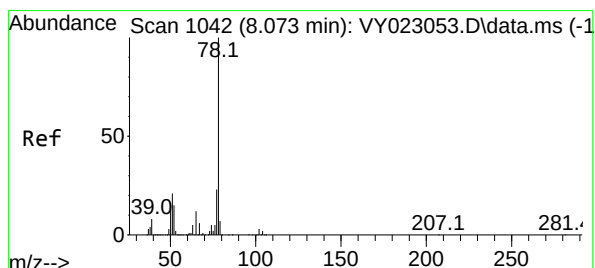
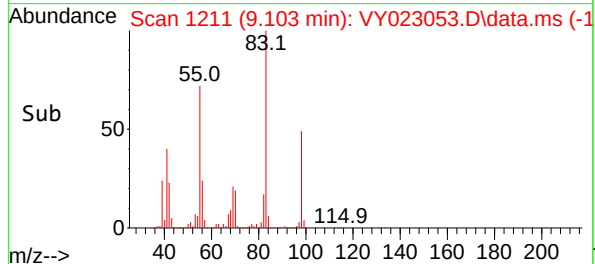
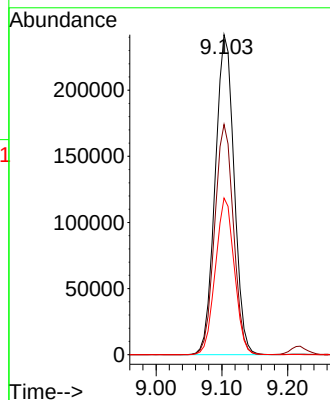
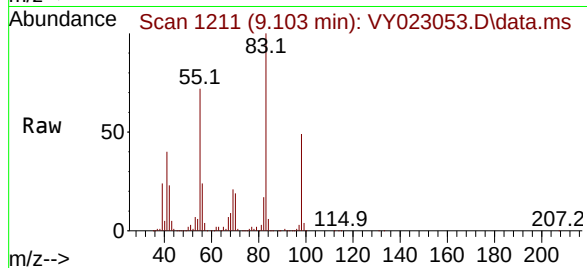
98 49.0 39.2 58.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025

Supervised By :Semsettin Yesilyurt 08/14/2025



#40

Benzene

Concen: 48.683 ug/l

RT: 8.073 min Scan# 1042

Delta R.T. 0.000 min

Lab File: VY023053.D

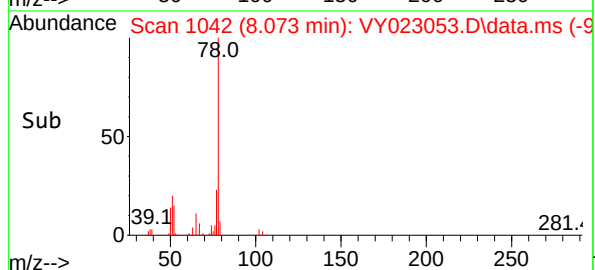
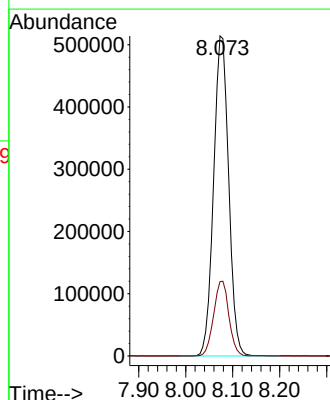
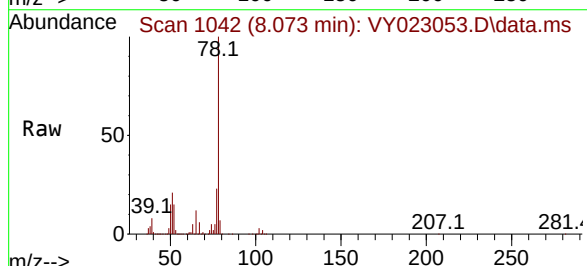
Acq: 12 Aug 2025 16:02

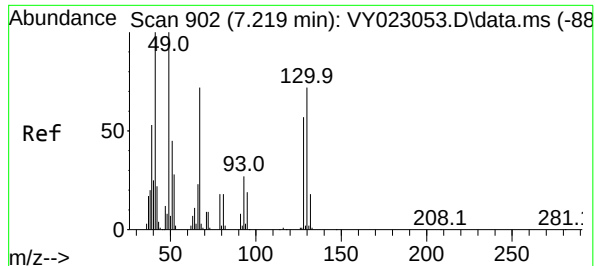
Tgt Ion: 78 Resp: 1142910

Ion Ratio Lower Upper

78 100

77 23.3 18.6 28.0





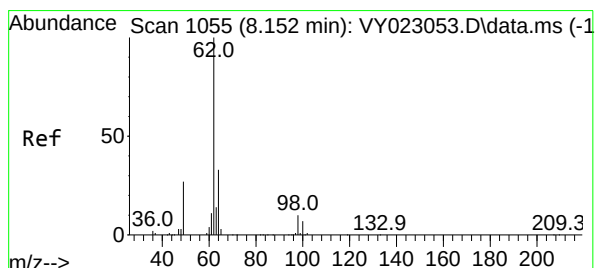
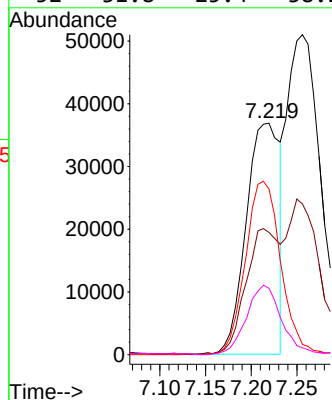
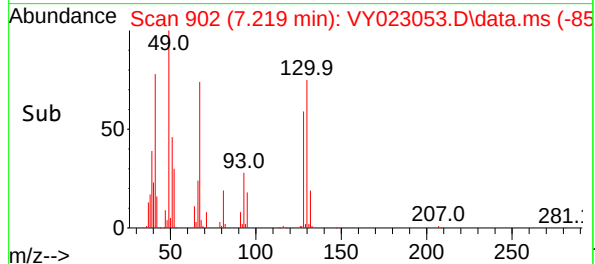
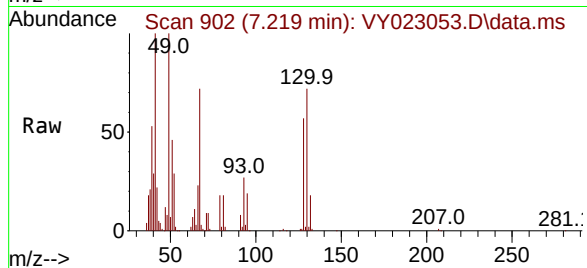
#41
Methacrylonitrile
Concen: 50.916 ug/l
RT: 7.219 min Scan# 902
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:	41	Resp:	9412
Ion	Ratio	Lower	Upper
41	100		
39	54.3	43.4	65.2
67	79.5	63.6	95.4
52	31.8	25.4	38.2

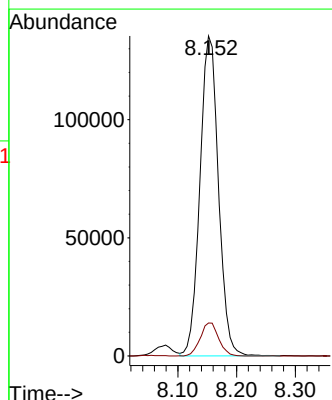
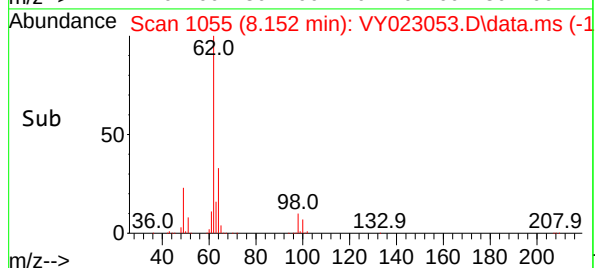
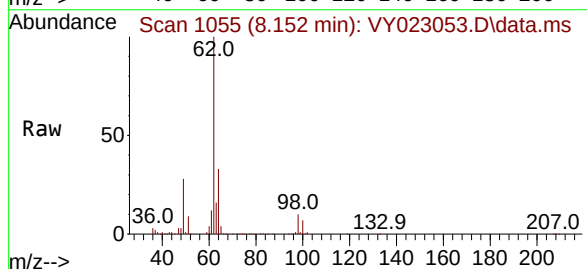
Manual Integrations
APPROVED

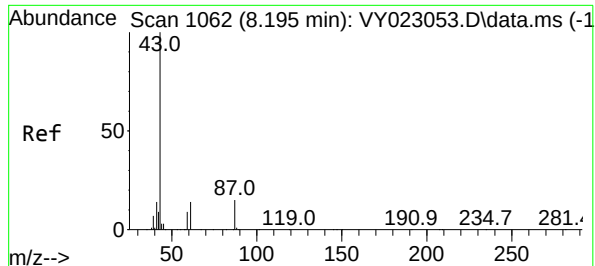
Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025



#42
1,2-Dichloroethane
Concen: 48.627 ug/l
RT: 8.152 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion:	62	Resp:	296907
Ion	Ratio	Lower	Upper
62	100		
98	10.3	0.0	20.6





#43

Isopropyl Acetate

Concen: 49.419 ug/l

RT: 8.195 min Scan# 1062

Delta R.T. 0.000 min

Lab File: VY023053.D

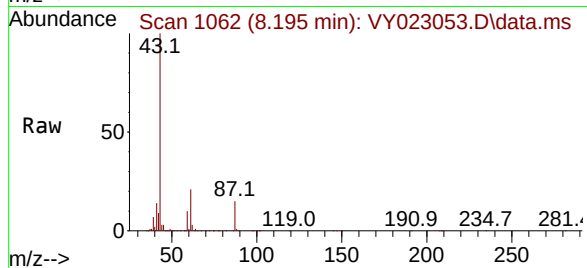
Acq: 12 Aug 2025 16:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050



Tgt Ion: 43 Resp: 319600

Ion Ratio Lower Upper

43 100

61 20.5 16.4 24.6

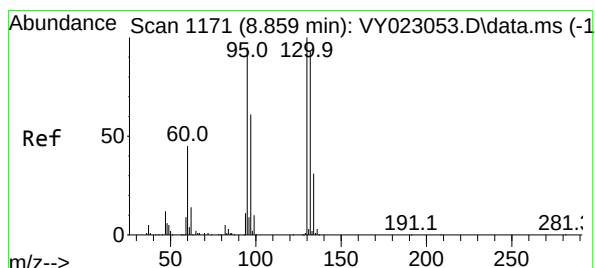
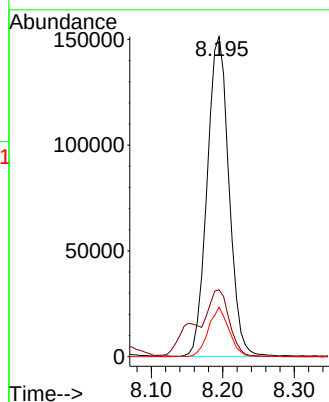
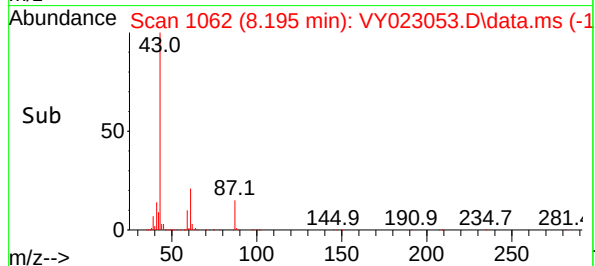
87 14.7 11.8 17.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025

Supervised By :Semsettin Yesilyurt 08/14/2025



#44

Trichloroethene

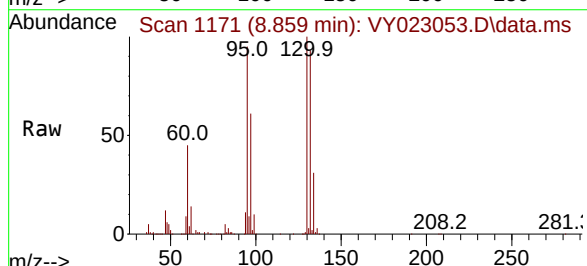
Concen: 48.199 ug/l

RT: 8.859 min Scan# 1171

Delta R.T. 0.000 min

Lab File: VY023053.D

Acq: 12 Aug 2025 16:02

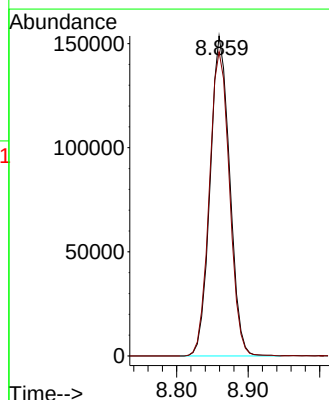
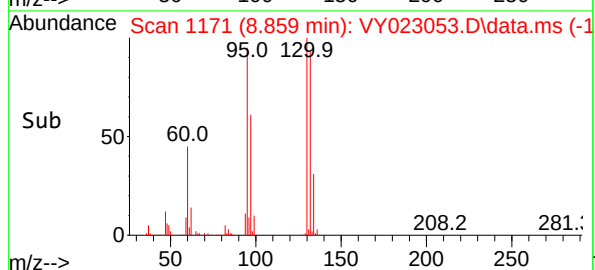


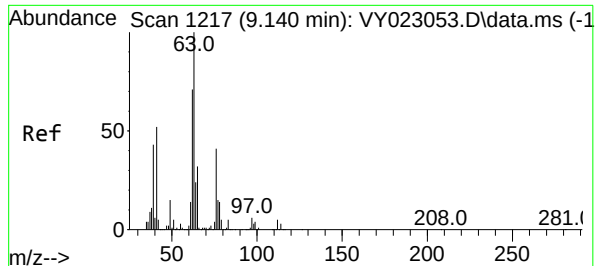
Tgt Ion:130 Resp: 292421

Ion Ratio Lower Upper

130 100

95 95.1 0.0 190.2





#45

1,2-Dichloropropane

Concen: 48.938 ug/l

RT: 9.140 min Scan# 1217

Delta R.T. 0.000 min

Lab File: VY023053.D

Acq: 12 Aug 2025 16:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 63 Resp: 264354

Ion Ratio Lower Upper

63 100

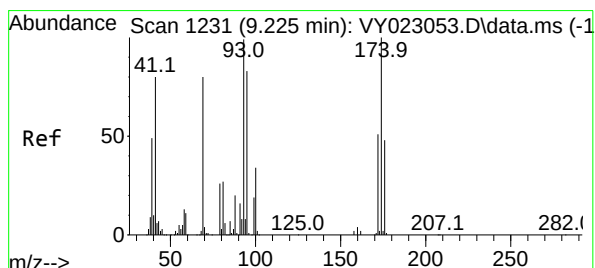
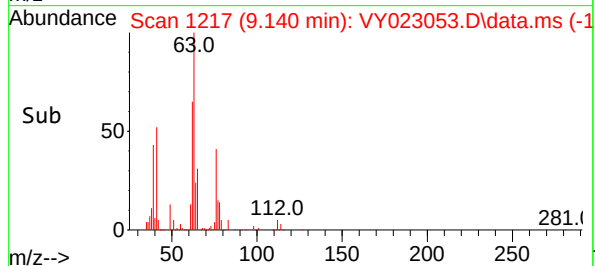
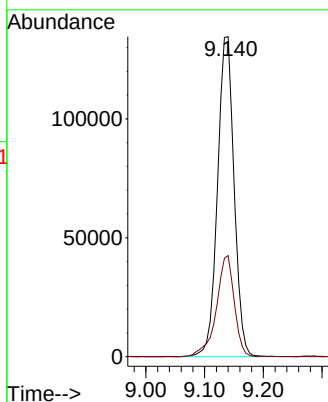
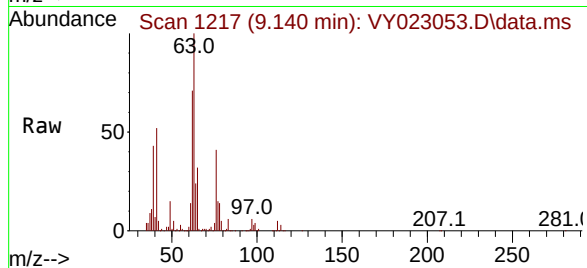
65 31.6 25.3 37.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025

Supervised By :Semsettin Yesilyurt 08/14/2025



#46

Dibromomethane

Concen: 49.291 ug/l

RT: 9.225 min Scan# 1231

Delta R.T. 0.000 min

Lab File: VY023053.D

Acq: 12 Aug 2025 16:02

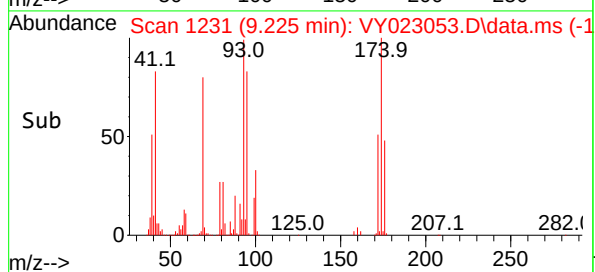
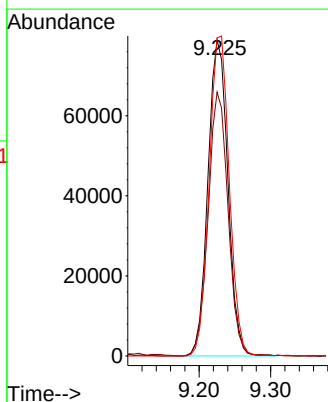
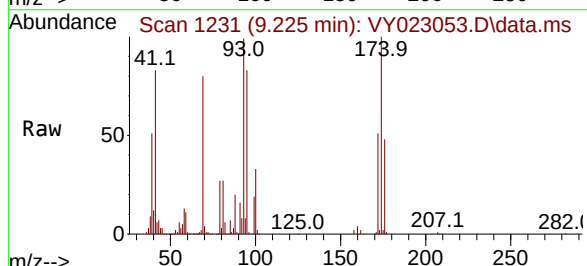
Tgt Ion: 93 Resp: 152822

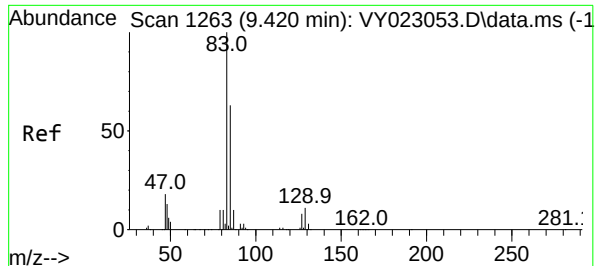
Ion Ratio Lower Upper

93 100

95 83.1 66.5 99.7

174 102.3 81.8 122.8





#47

Bromodichloromethane

Concen: 49.327 ug/l

RT: 9.420 min Scan# 1263

Delta R.T. 0.000 min

Lab File: VY023053.D

Acq: 12 Aug 2025 16:02

Instrument :

MSVOA_Y

ClientSampleId :

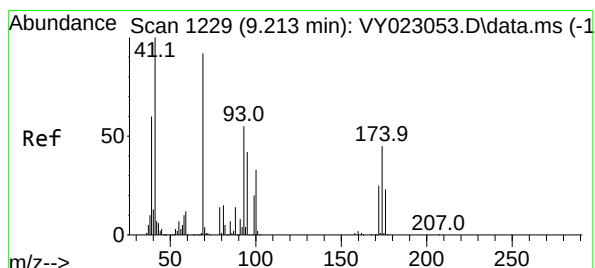
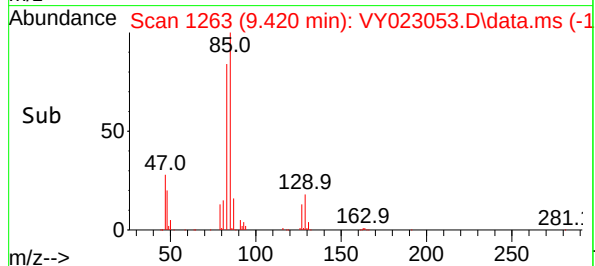
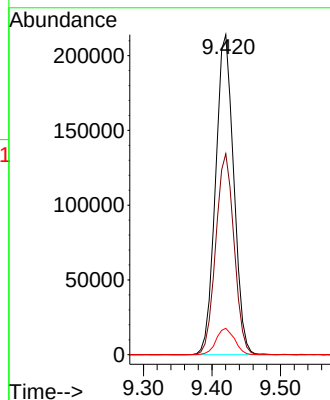
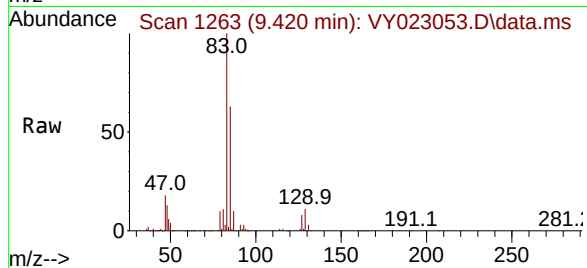
VSTDICCC050

Tgt Ion: 83 Resp: 39352

Ion	Ratio	Lower	Upper
83	100		
85	62.8	50.2	75.4
127	8.3	6.6	10.0

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025



#48

Methyl methacrylate

Concen: 51.958 ug/l

RT: 9.213 min Scan# 1229

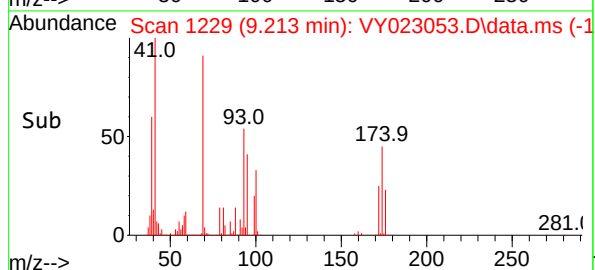
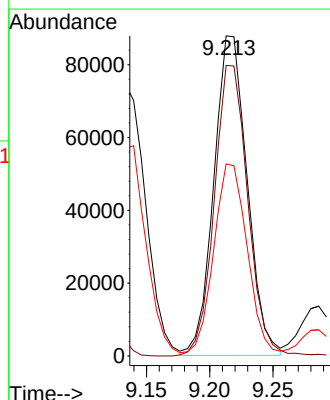
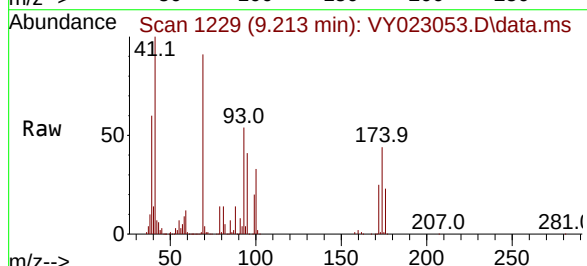
Delta R.T. 0.000 min

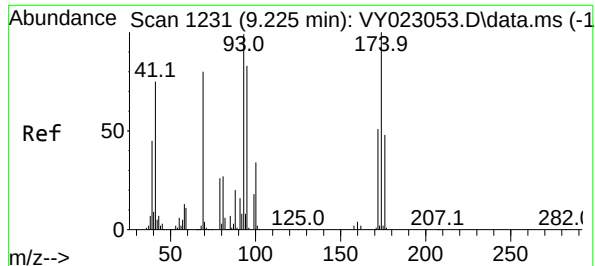
Lab File: VY023053.D

Acq: 12 Aug 2025 16:02

Tgt Ion: 41 Resp: 160792

Ion	Ratio	Lower	Upper
41	100		
69	91.5	73.2	109.8
39	58.7	47.0	70.4





#49

1,4-Dioxane

Concen: 997.124 ug/l

RT: 9.225 min Scan# 1231

Delta R.T. 0.000 min

Lab File: VY023053.D

Acq: 12 Aug 2025 16:02

Instrument :

MSVOA_Y

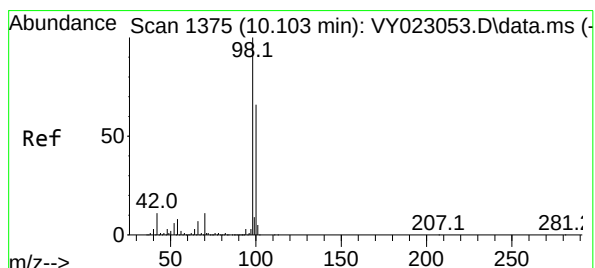
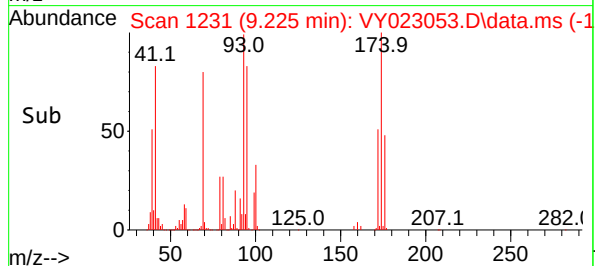
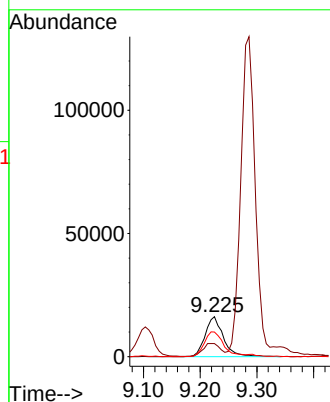
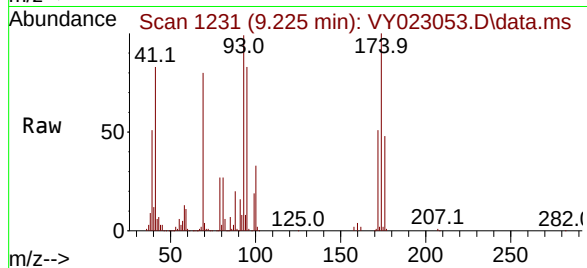
ClientSampleId :

VSTDICCC050

Tgt Ion:	88	Resp:	36249
Ion	Ratio	Lower	Upper
88	100		
43	30.4	24.3	36.5
58	69.2	55.4	83.0

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025



#50

Toluene-d8

Concen: 48.899 ug/l

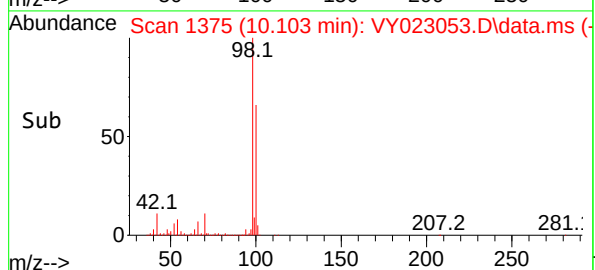
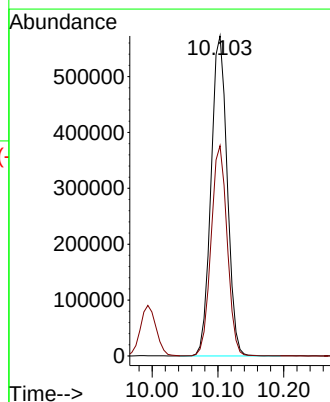
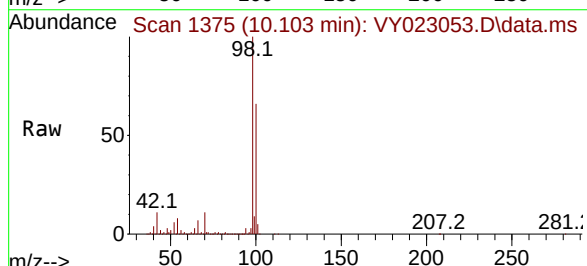
RT: 10.103 min Scan# 1375

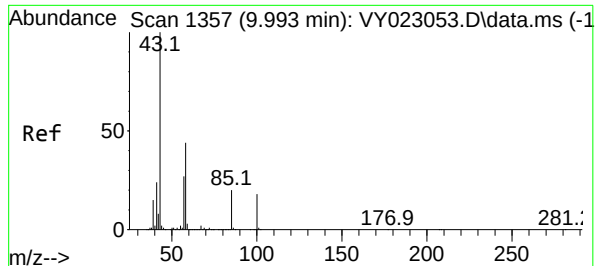
Delta R.T. 0.000 min

Lab File: VY023053.D

Acq: 12 Aug 2025 16:02

Tgt Ion:	98	Resp:	979082
Ion	Ratio	Lower	Upper
98	100		
100	65.4	52.3	78.5





#51

4-Methyl-2-Pentanone

Concen: 255.710 ug/l

RT: 9.993 min Scan# 1357

Delta R.T. 0.000 min

Lab File: VY023053.D

Acq: 12 Aug 2025 16:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 43 Resp: 853025

Ion Ratio Lower Upper

43 100

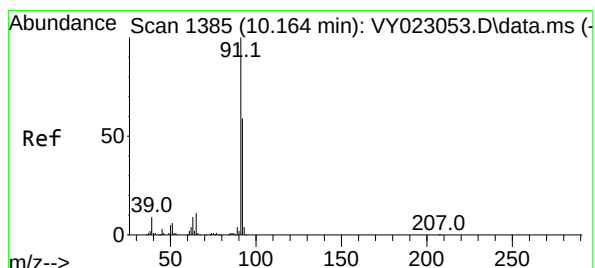
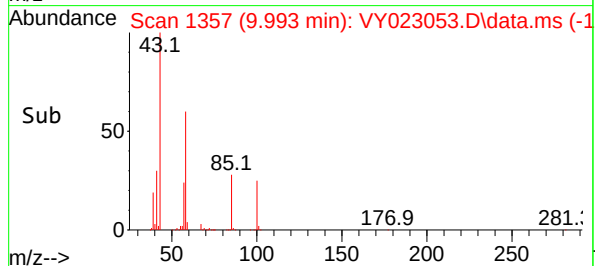
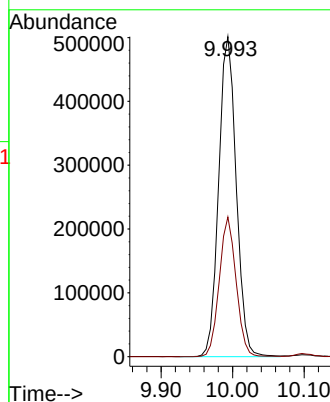
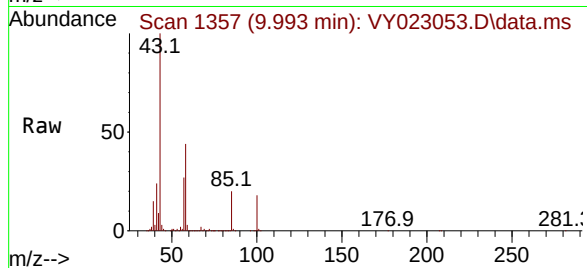
58 41.9 33.5 50.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025

Supervised By :Semsettin Yesilyurt 08/14/2025



#52

Toluene

Concen: 49.315 ug/l

RT: 10.164 min Scan# 1385

Delta R.T. 0.000 min

Lab File: VY023053.D

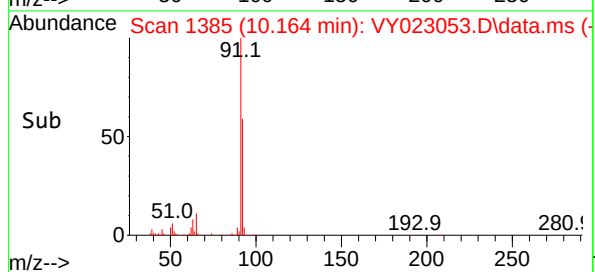
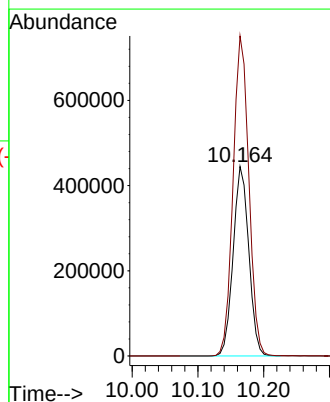
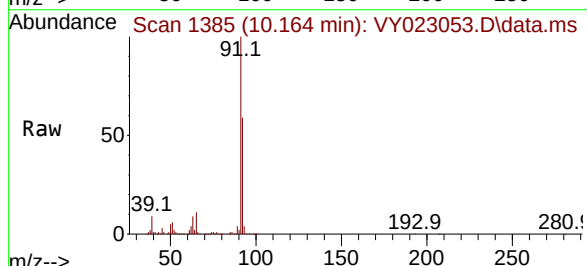
Acq: 12 Aug 2025 16:02

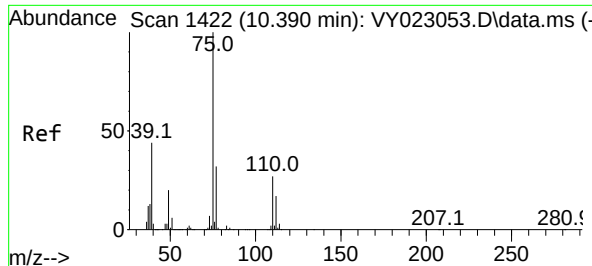
Tgt Ion: 92 Resp: 735326

Ion Ratio Lower Upper

92 100

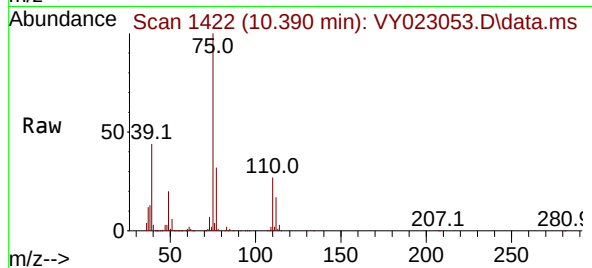
91 170.5 136.4 204.6





#53
t-1,3-Dichloropropene
Concen: 49.790 ug/l
RT: 10.390 min Scan# 1422
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

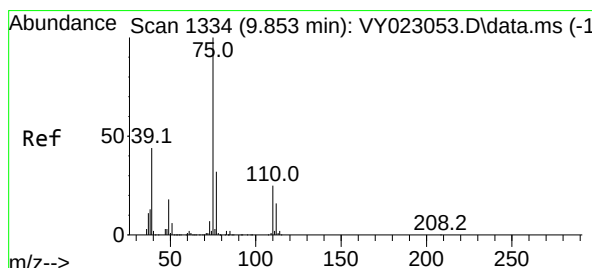
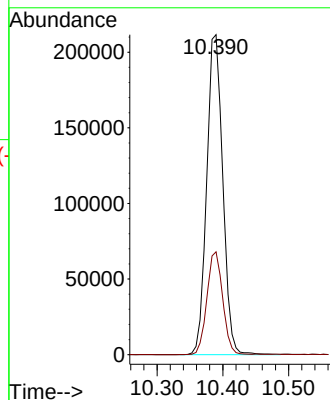
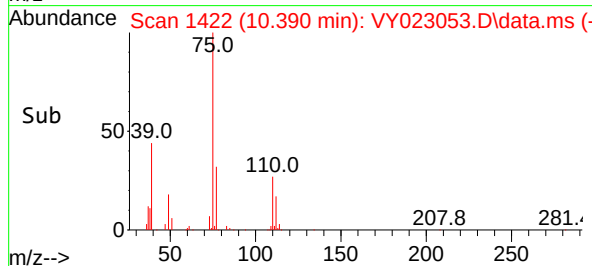
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



Tgt Ion: 75 Resp: 359698
Ion Ratio Lower Upper
75 100
77 32.1 25.7 38.5

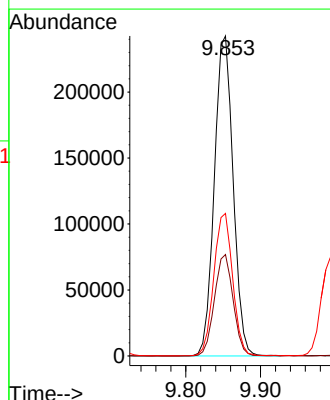
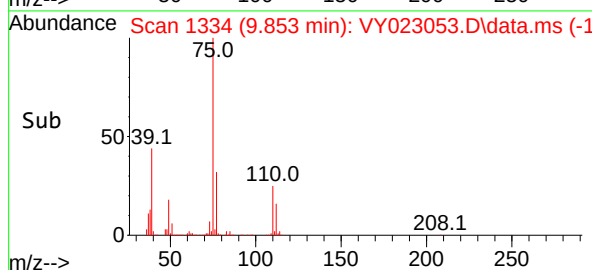
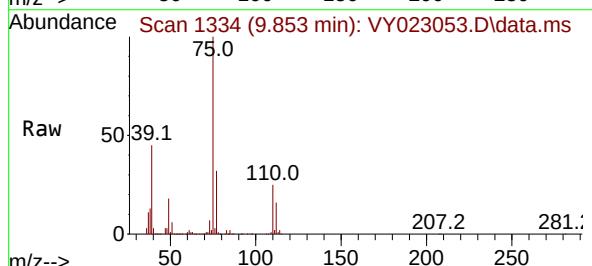
Manual Integrations
APPROVED

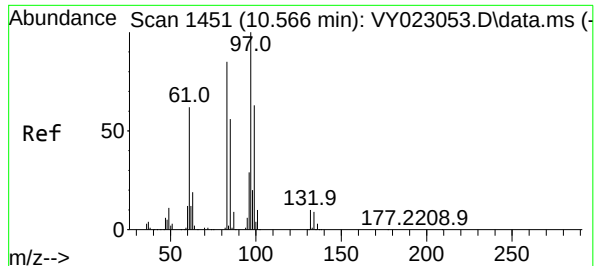
Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025



#54
cis-1,3-Dichloropropene
Concen: 49.731 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion: 75 Resp: 424834
Ion Ratio Lower Upper
75 100
77 31.7 25.4 38.0
39 44.5 35.6 53.4





#55

1,1,2-Trichloroethane

Concen: 49.261 ug/l

RT: 10.566 min Scan# 1451

Delta R.T. 0.000 min

Lab File: VY023053.D

Acq: 12 Aug 2025 16:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 97 Resp: 204368

Ion Ratio Lower Upper

97 100

83 84.6 67.7 101.5

85 55.6 44.5 66.7

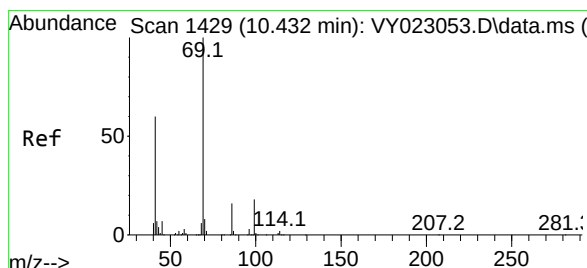
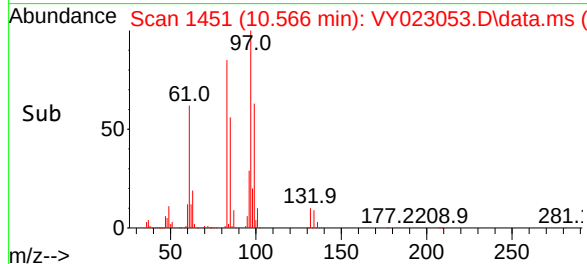
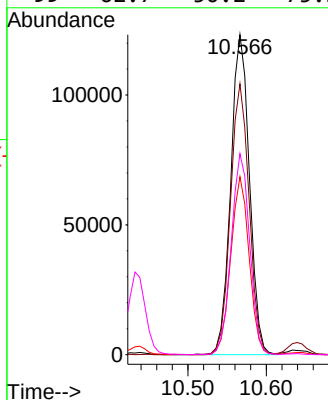
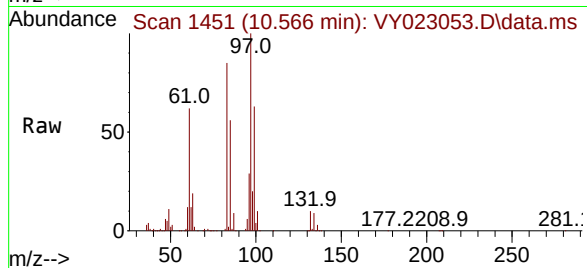
99 62.7 50.2 75.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025

Supervised By :Semsettin Yesilyurt 08/14/2025



#56

Ethyl methacrylate

Concen: 51.576 ug/l

RT: 10.432 min Scan# 1429

Delta R.T. 0.000 min

Lab File: VY023053.D

Acq: 12 Aug 2025 16:02

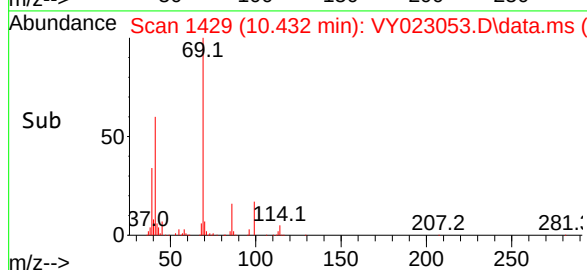
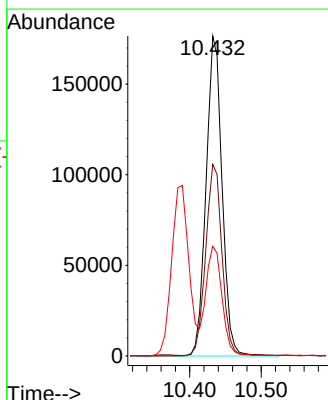
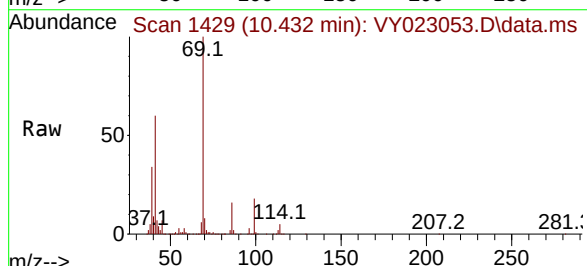
Tgt Ion: 69 Resp: 273801

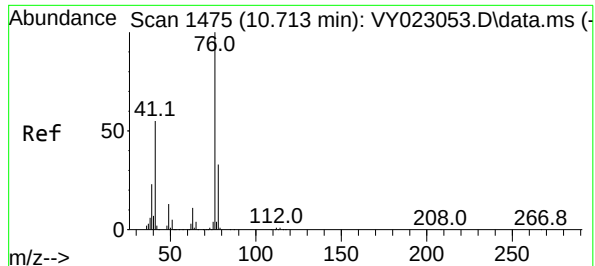
Ion Ratio Lower Upper

69 100

41 60.7 48.6 72.8

39 33.7 27.0 40.4





#57

1,3-Dichloropropane

Concen: 49.249 ug/l

RT: 10.713 min Scan# 1475

Delta R.T. 0.000 min

Lab File: VY023053.D

Acq: 12 Aug 2025 16:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 76 Resp: 346510

Ion Ratio Lower Upper

76 100

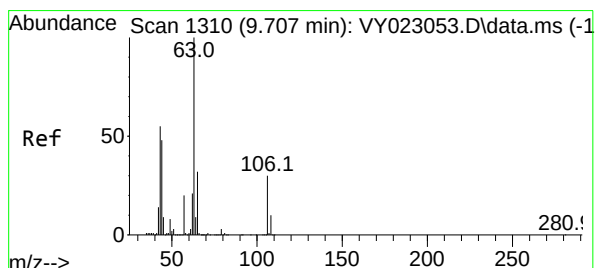
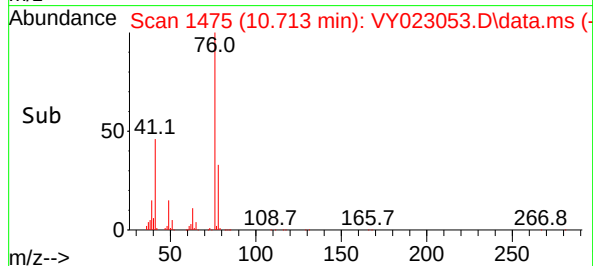
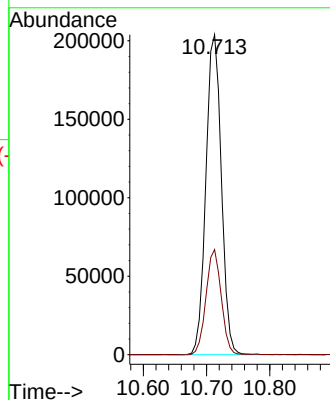
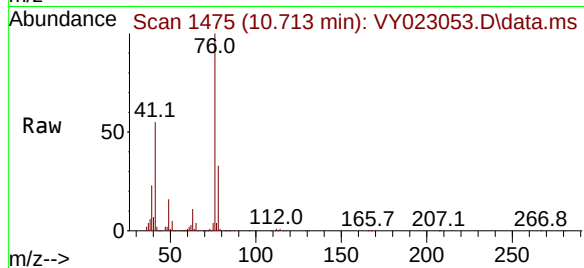
78 32.5 26.0 39.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025

Supervised By :Semsettin Yesilyurt 08/14/2025



#58

2-Chloroethyl Vinyl ether

Concen: 264.906 ug/l

RT: 9.707 min Scan# 1310

Delta R.T. 0.000 min

Lab File: VY023053.D

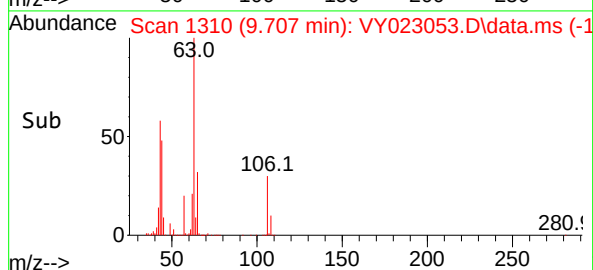
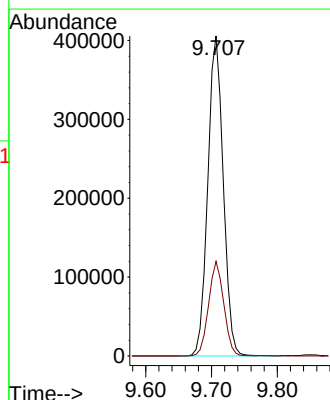
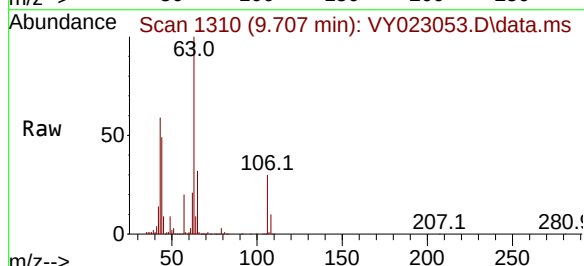
Acq: 12 Aug 2025 16:02

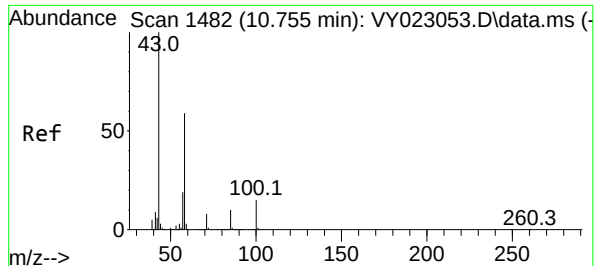
Tgt Ion: 63 Resp: 663351

Ion Ratio Lower Upper

63 100

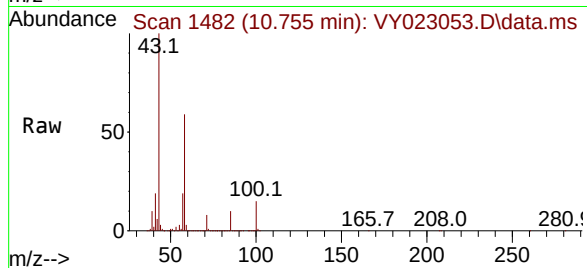
106 29.0 23.2 34.8





#59
2-Hexanone
Concen: 257.194 ug/l
RT: 10.755 min Scan# 1482
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

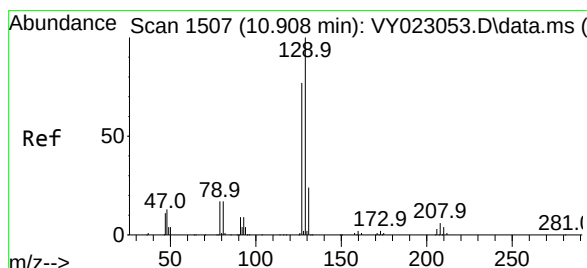
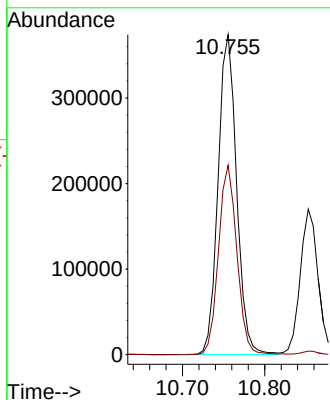
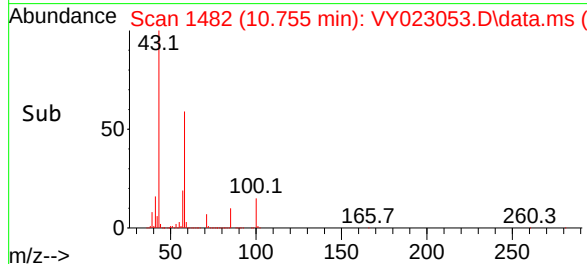
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



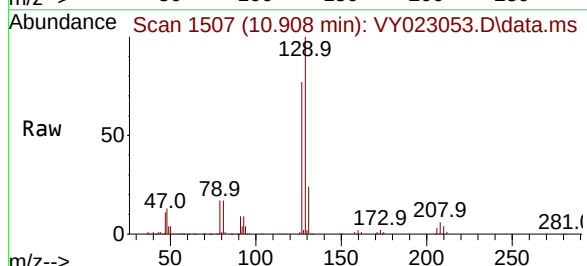
Tgt Ion: 43 Resp: 584223
Ion Ratio Lower Upper
43 100
58 59.0 29.5 88.5

Manual Integrations
APPROVED

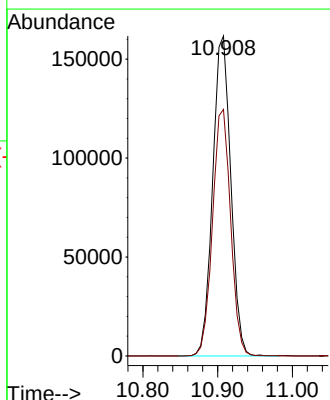
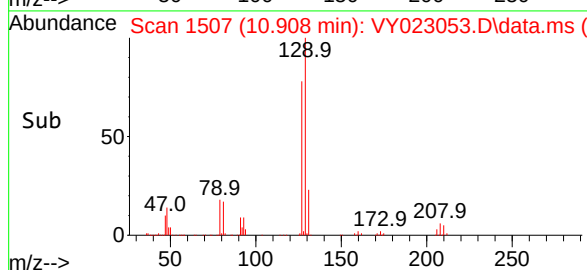
Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025

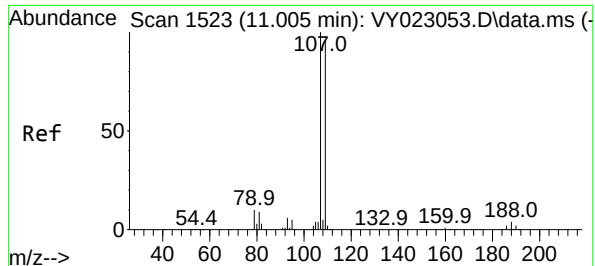


#60
Dibromochloromethane
Concen: 49.719 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02



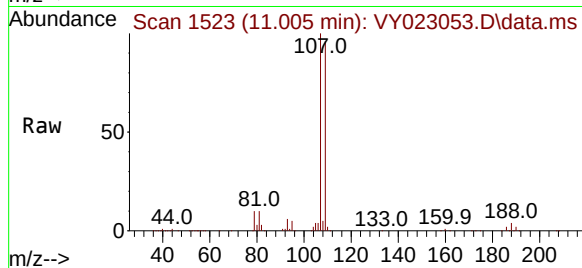
Tgt Ion:129 Resp: 272171
Ion Ratio Lower Upper
129 100
127 77.0 38.5 115.5





#61
1,2-Dibromoethane
Concen: 49.598 ug/l
RT: 11.005 min Scan# 1523
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

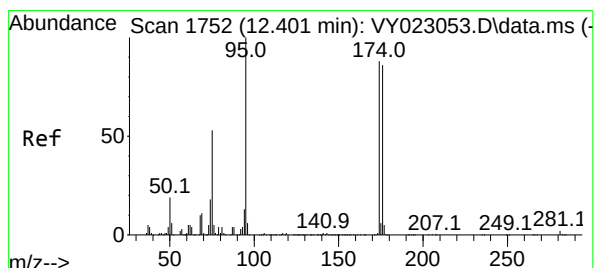
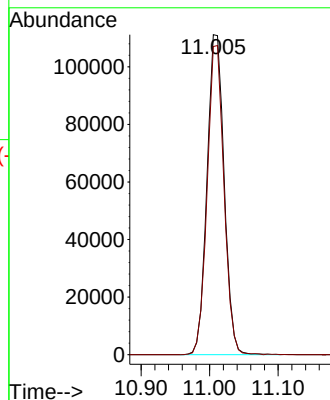
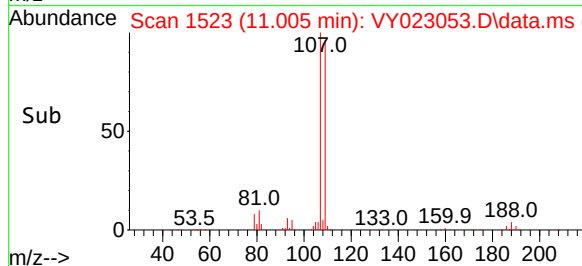
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



Tgt Ion:107 Resp: 193398
Ion Ratio Lower Upper
107 100
109 94.5 75.6 113.4

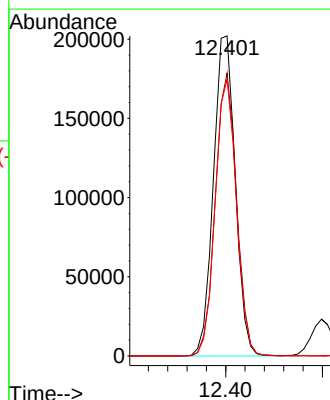
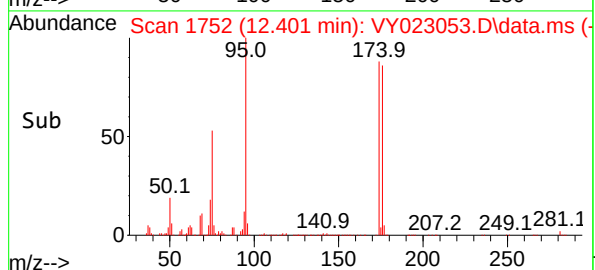
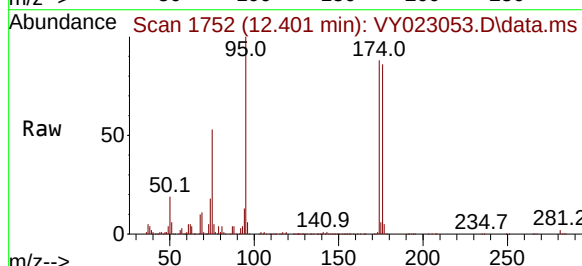
Manual Integrations
APPROVED

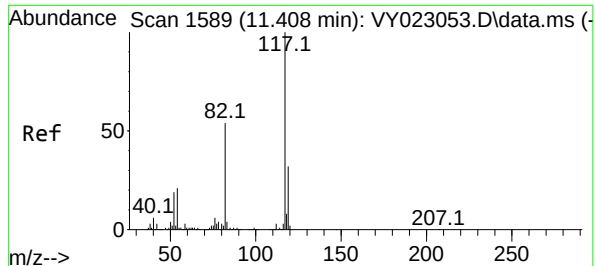
Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025



#62
4-Bromofluorobenzene
Concen: 49.194 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

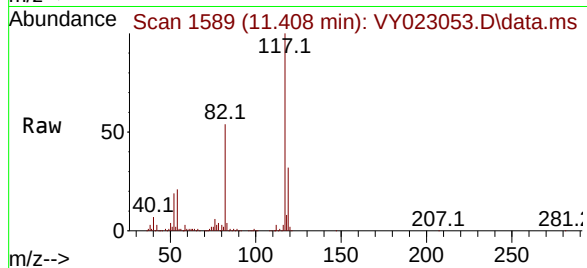
Tgt Ion: 95 Resp: 316770
Ion Ratio Lower Upper
95 100
174 85.8 0.0 171.6
176 83.8 0.0 167.6





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.408 min Scan# 1589
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

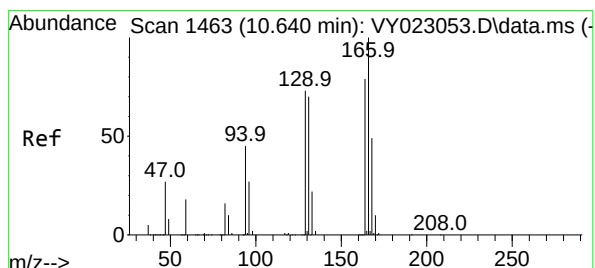
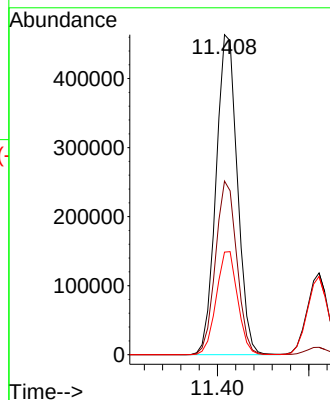
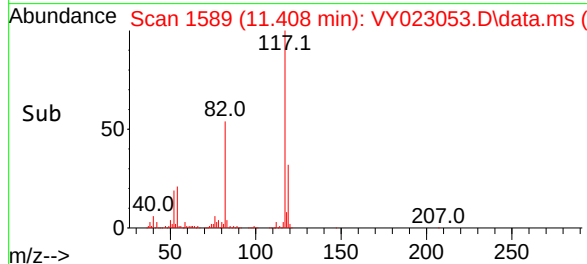
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



Tgt Ion:117 Resp: 751969
Ion Ratio Lower Upper
117 100
82 54.2 43.4 65.0
119 32.0 25.6 38.4

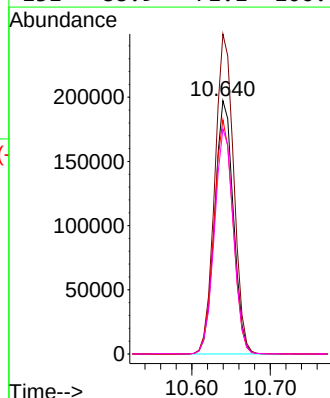
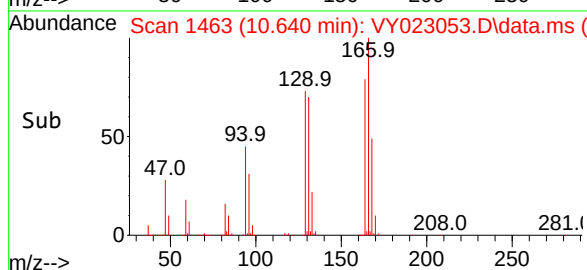
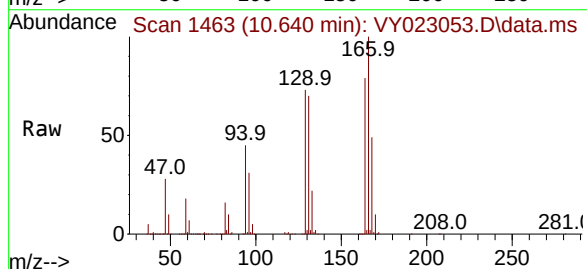
Manual Integrations
APPROVED

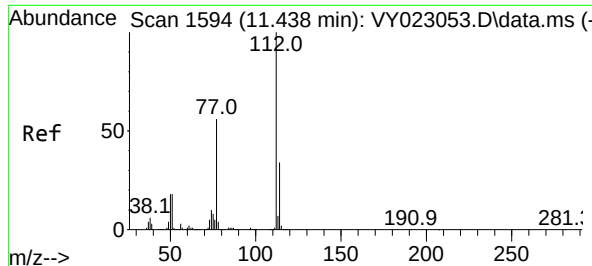
Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025



#64
Tetrachloroethene
Concen: 48.740 ug/l
RT: 10.640 min Scan# 1463
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

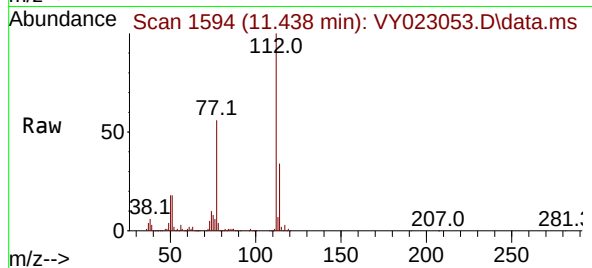
Tgt Ion:164 Resp: 327271
Ion Ratio Lower Upper
164 100
166 126.4 101.1 151.7
129 92.5 74.0 111.0
131 88.9 71.1 106.7





#65
Chlorobenzene
Concen: 48.920 ug/l
RT: 11.438 min Scan# 1594
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

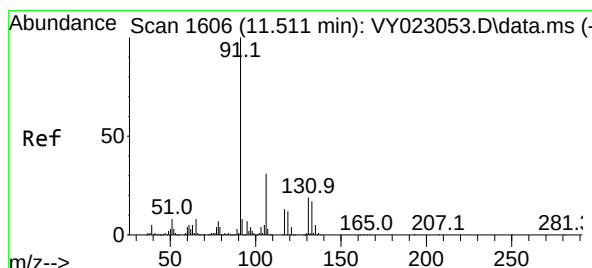
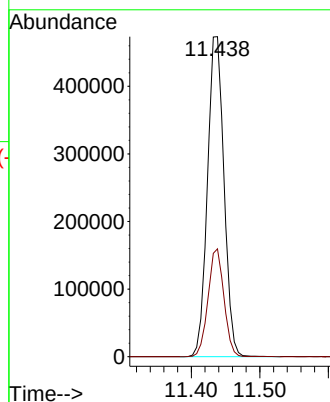
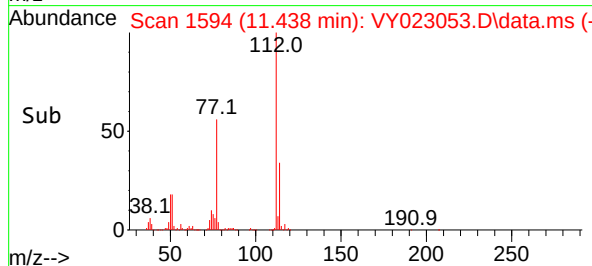
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



Tgt Ion:112 Resp: 793490
Ion Ratio Lower Upper
112 100
114 33.7 27.0 40.4

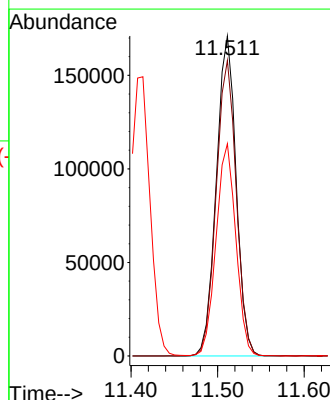
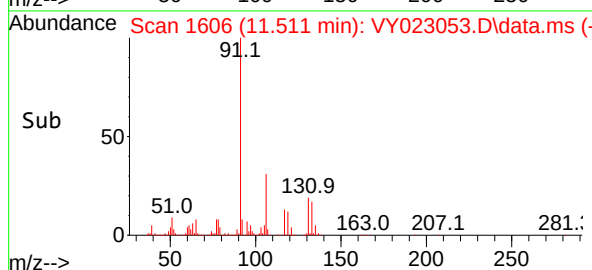
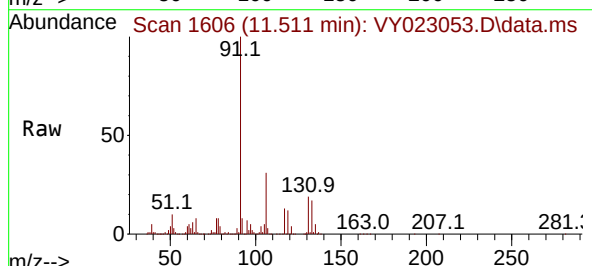
Manual Integrations
APPROVED

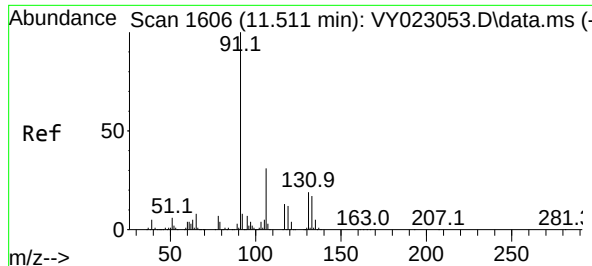
Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 49.381 ug/l
RT: 11.511 min Scan# 1606
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

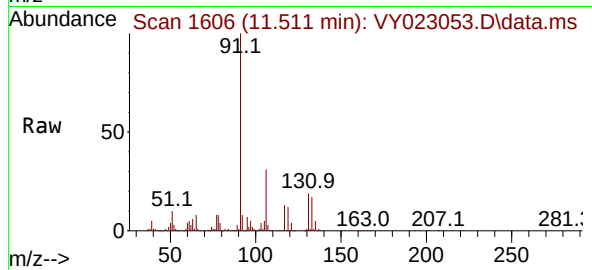
Tgt Ion:131 Resp: 271839
Ion Ratio Lower Upper
131 100
133 93.7 46.9 140.6
119 66.4 33.2 99.6





#67
Ethyl Benzene
Concen: 50.073 ug/l
RT: 11.511 min Scan# 1606
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

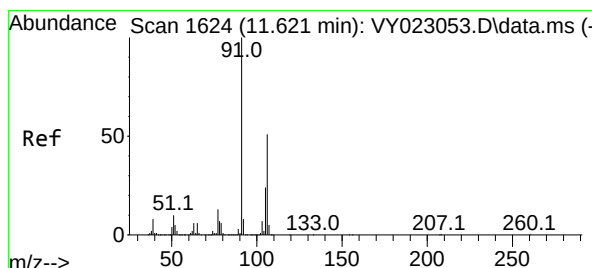
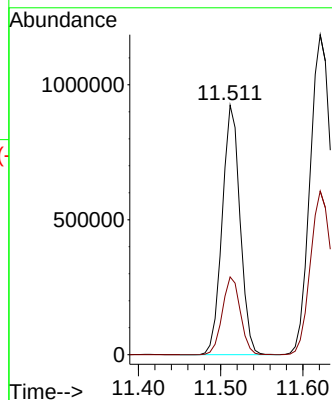
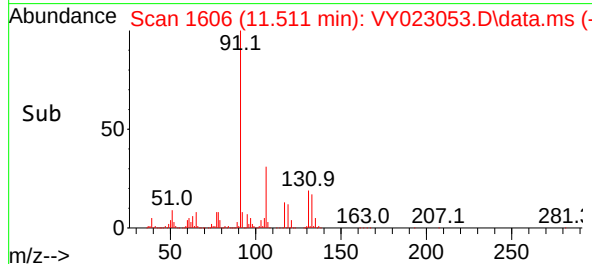
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



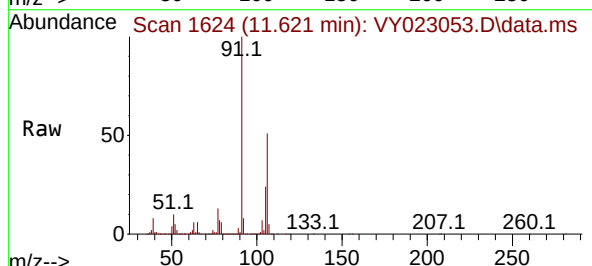
Tgt Ion: 91 Resp: 1397704
Ion Ratio Lower Upper
91 100
106 31.2 25.0 37.4

Manual Integrations
APPROVED

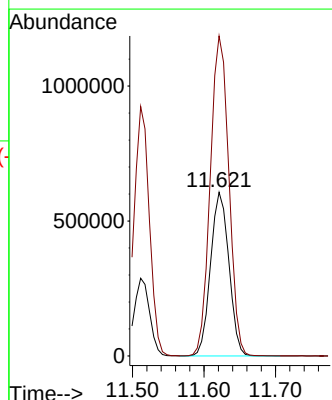
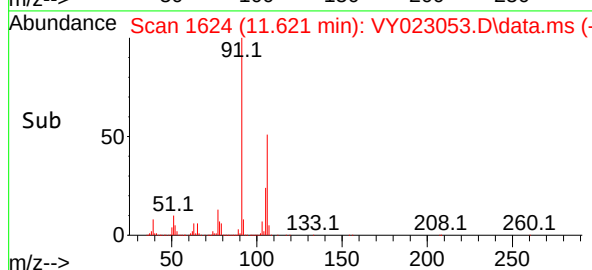
Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025

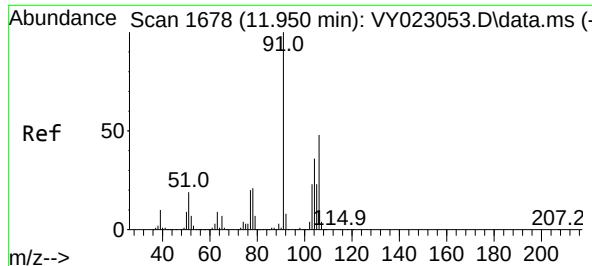


#68
m/p-Xylenes
Concen: 99.103 ug/l
RT: 11.621 min Scan# 1624
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02



Tgt Ion:106 Resp: 1080401
Ion Ratio Lower Upper
106 100
91 198.3 158.6 238.0





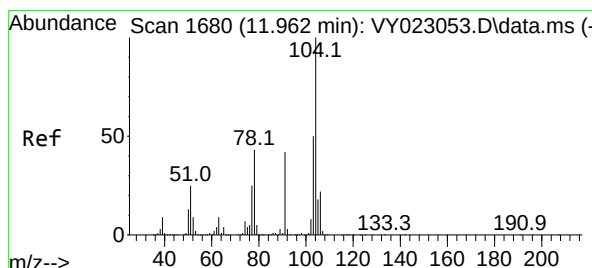
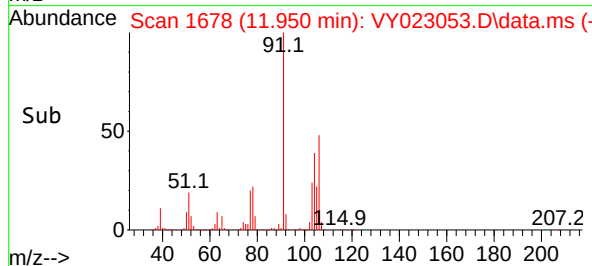
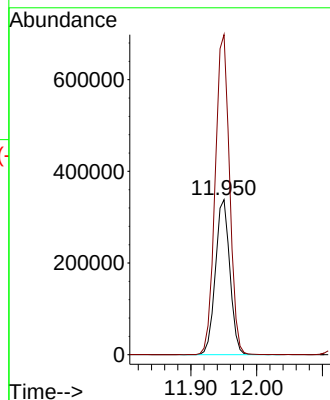
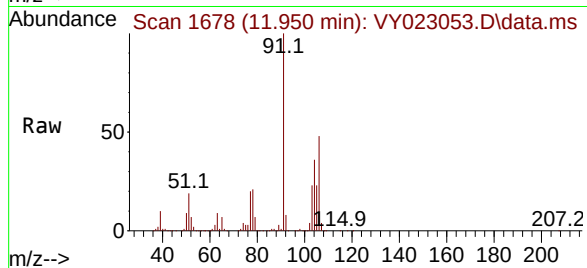
#69
o-Xylene
Concen: 50.536 ug/l
RT: 11.950 min Scan# 1678
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:106 Resp: 516002
Ion Ratio Lower Upper
106 100
91 206.3 103.2 309.4

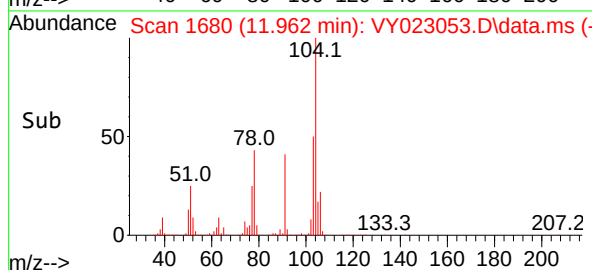
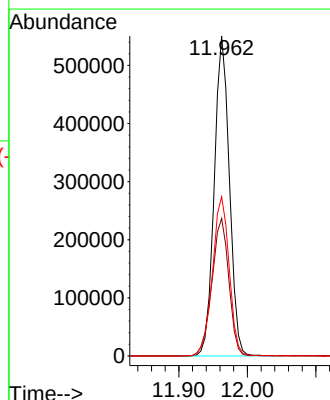
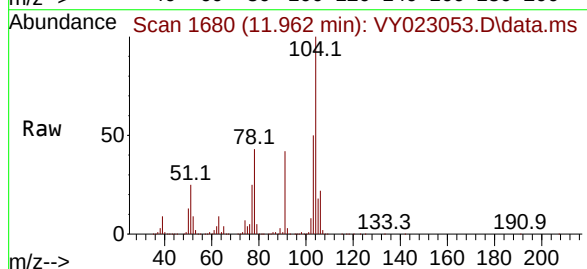
Manual Integrations
APPROVED

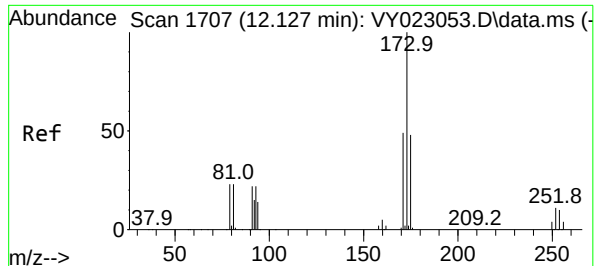
Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025



#70
Styrene
Concen: 50.569 ug/l
RT: 11.962 min Scan# 1680
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

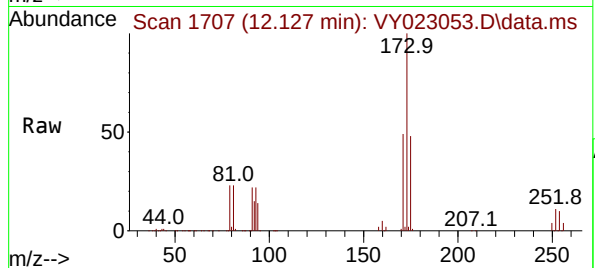
Tgt Ion:104 Resp: 844409
Ion Ratio Lower Upper
104 100
78 48.1 38.5 57.7
103 54.6 43.7 65.5





#71
Bromoform
Concen: 49.969 ug/l
RT: 12.127 min Scan# 1707
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

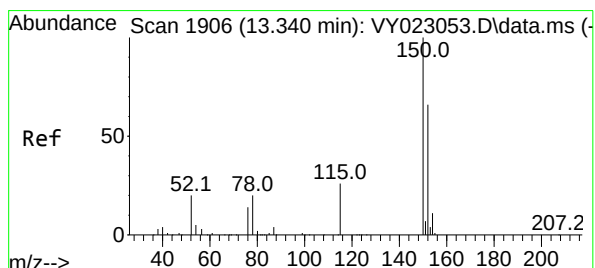
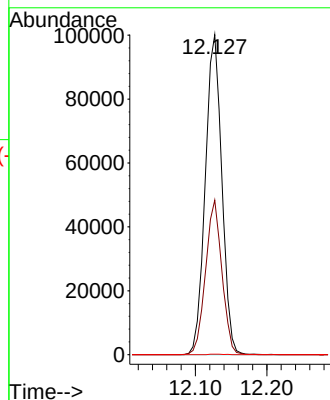
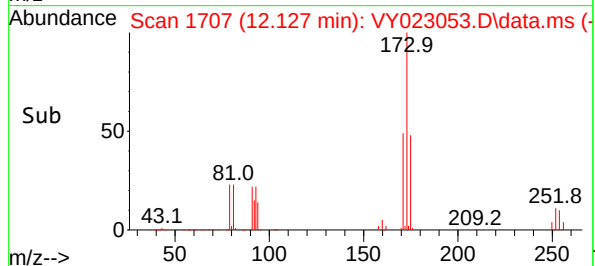
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



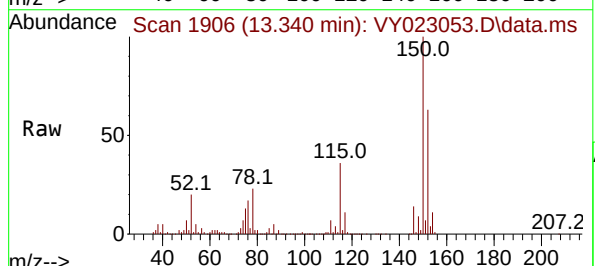
Tgt Ion:173 Resp: 160769
Ion Ratio Lower Upper
173 100
175 47.8 23.9 71.7
254 0.1 0.1 0.1

Manual Integrations
APPROVED

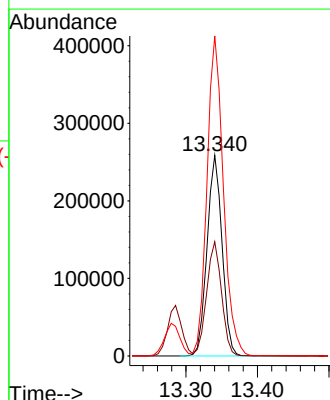
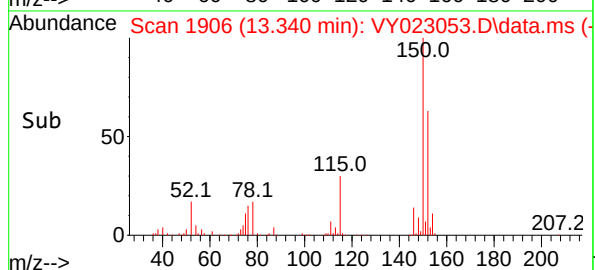
Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025

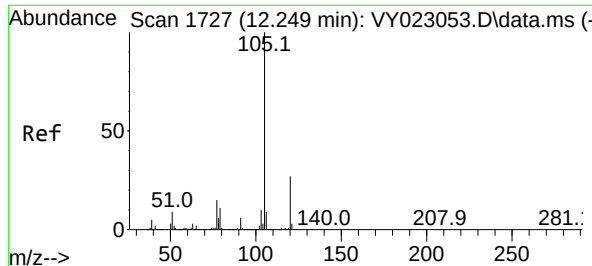


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.340 min Scan# 1906
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02



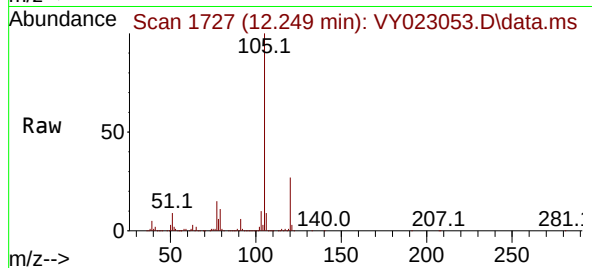
Tgt Ion:152 Resp: 377839
Ion Ratio Lower Upper
152 100
115 56.4 28.2 84.6
150 174.0 0.0 348.0





#73
Isopropylbenzene
Concen: 49.660 ug/l
RT: 12.249 min Scan# 1727
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

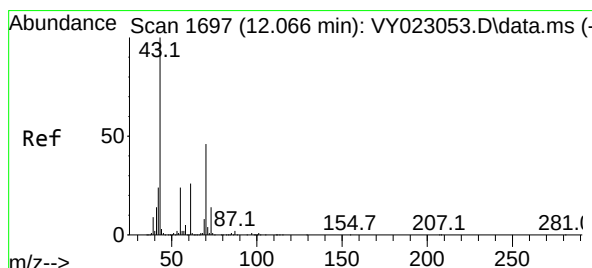
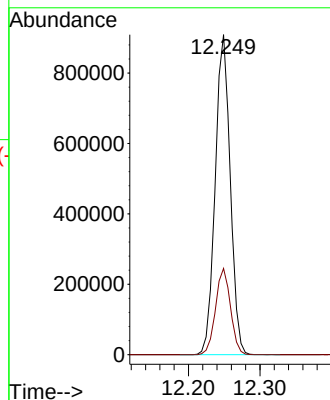
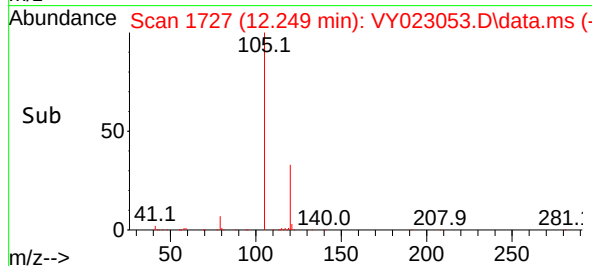
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



Tgt Ion:105 Resp: 132431
Ion Ratio Lower Upper
105 100
120 26.8 13.4 40.2

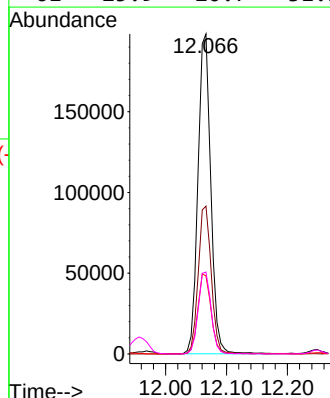
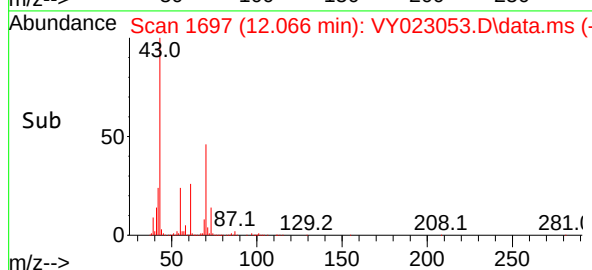
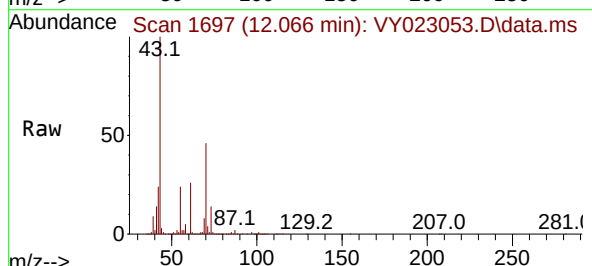
Manual Integrations
APPROVED

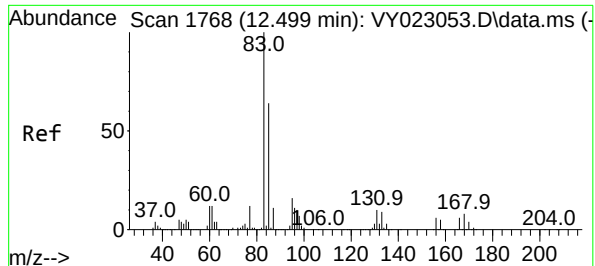
Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025



#74
N-ethyl acetate
Concen: 51.264 ug/l
RT: 12.066 min Scan# 1697
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

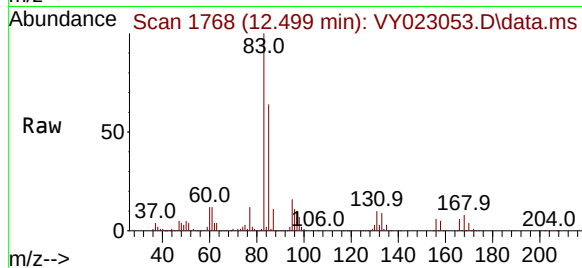
Tgt Ion: 43 Resp: 289914
Ion Ratio Lower Upper
43 100
70 46.9 37.5 56.3
55 25.9 20.7 31.1
61 25.9 20.7 31.1





#75
1,1,2,2-Tetrachloroethane
Concen: 48.503 ug/l
RT: 12.499 min Scan# 1768
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

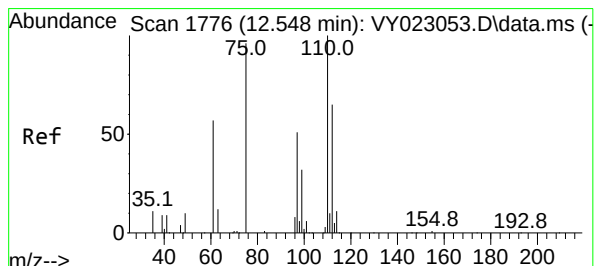
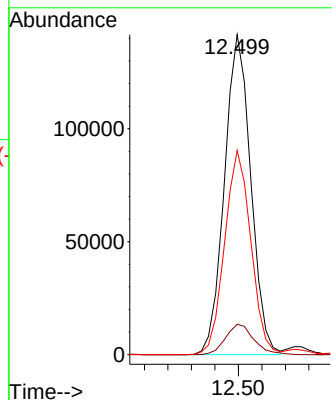
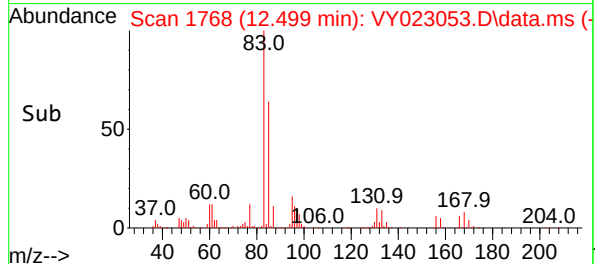
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



Tgt Ion: 83 Resp: 22085
Ion Ratio Lower Upper
83 100
131 10.2 5.1 15.3
85 63.5 31.8 95.3

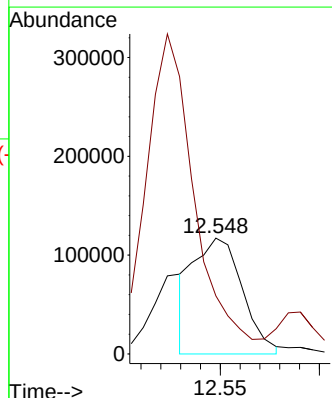
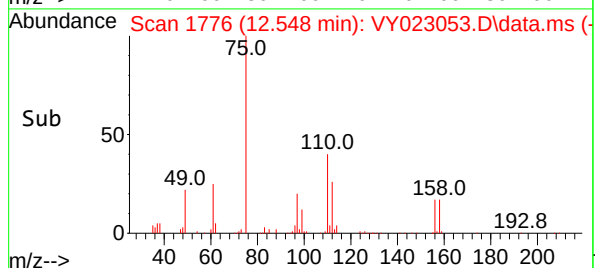
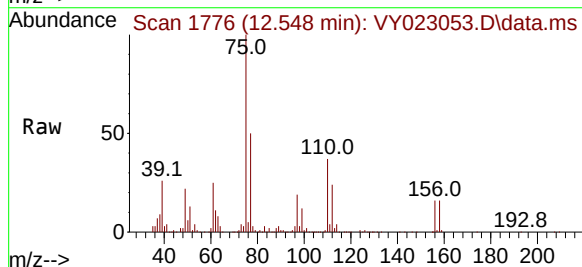
Manual Integrations
APPROVED

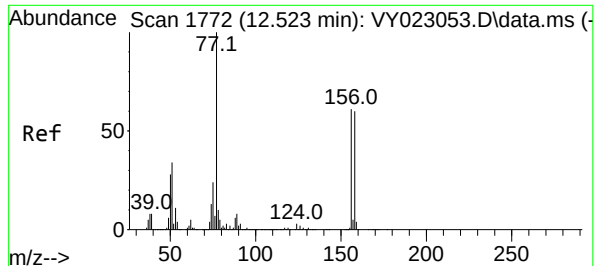
Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025



#76
1,2,3-Trichloropropane
Concen: 55.430 ug/l m
RT: 12.548 min Scan# 1776
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion: 75 Resp: 202260
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 49.152 ug/l

RT: 12.523 min Scan# 1772

Delta R.T. 0.000 min

Lab File: VY023053.D

Acq: 12 Aug 2025 16:02

Instrument :

MSVOA_Y

ClientSampleId :

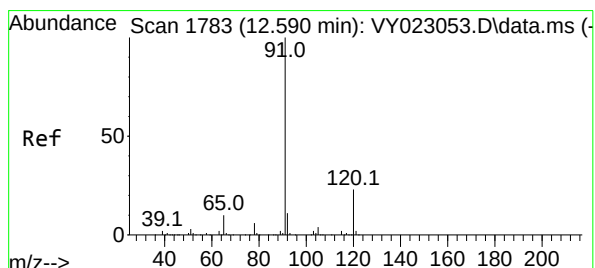
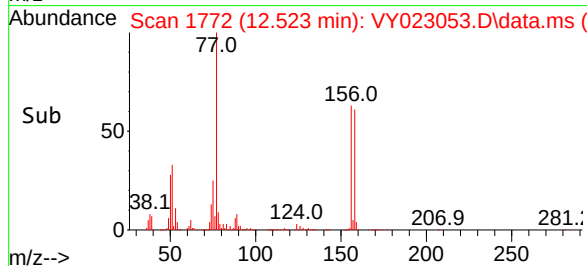
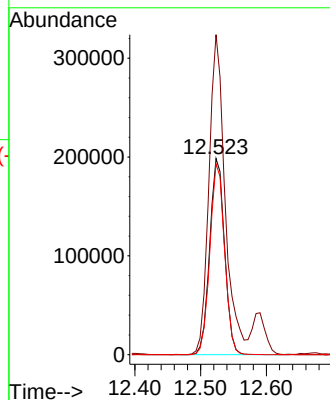
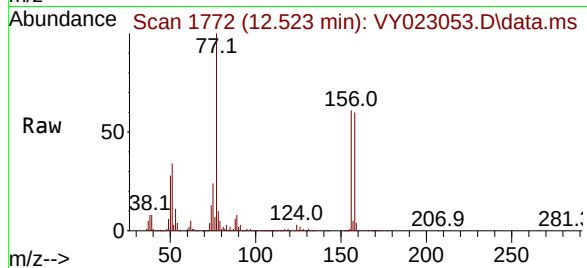
VSTDICCC050

Tgt Ion:	156	Resp:	312700
Ion Ratio	Lower	Upper	
156	100		
77	176.3	88.1	264.4
158	96.0	48.0	144.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025



#78

n-propylbenzene

Concen: 50.186 ug/l

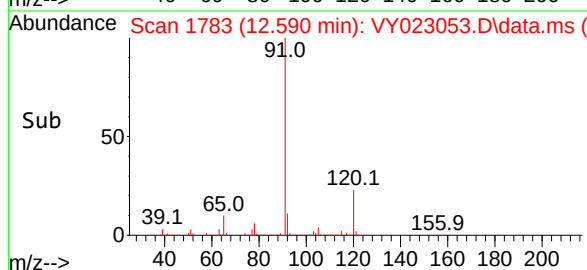
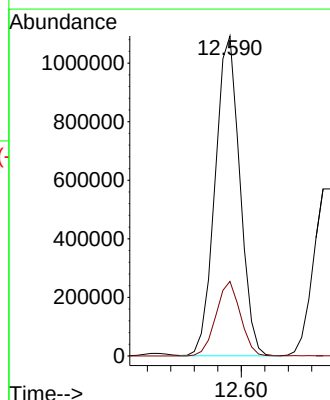
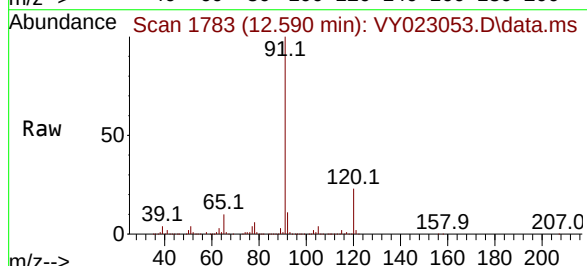
RT: 12.590 min Scan# 1783

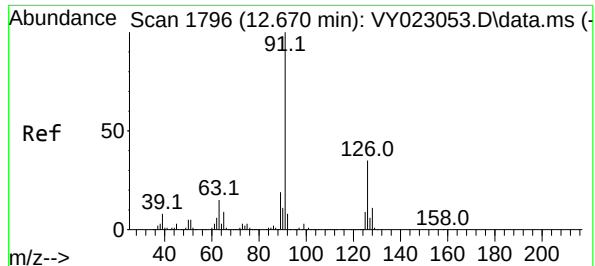
Delta R.T. 0.000 min

Lab File: VY023053.D

Acq: 12 Aug 2025 16:02

Tgt Ion:	91	Resp:	1593368
Ion Ratio	Lower	Upper	
91	100		
120	23.0	11.5	34.5





#79

2-Chlorotoluene

Concen: 49.473 ug/l

RT: 12.670 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY023053.D

Acq: 12 Aug 2025 16:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 91 Resp: 89996

Ion Ratio Lower Upper

91 100

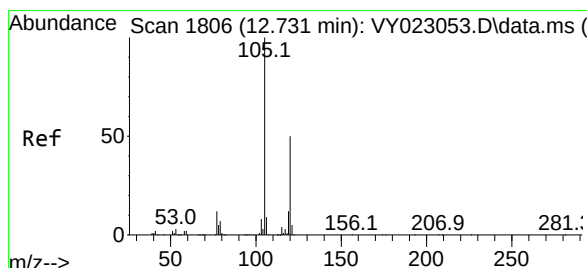
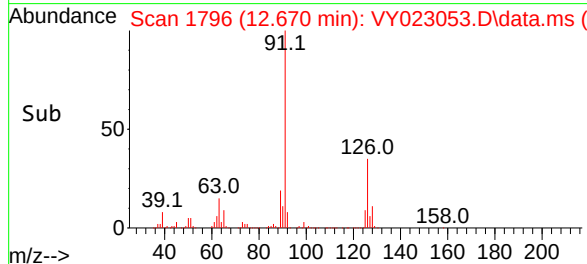
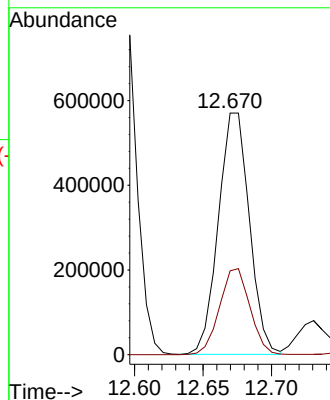
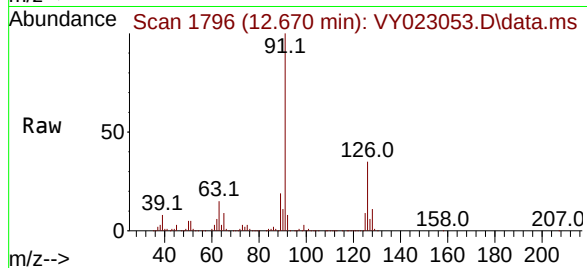
126 34.9 17.4 52.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025

Supervised By :Semsettin Yesilyurt 08/14/2025



#80

1,3,5-Trimethylbenzene

Concen: 50.126 ug/l

RT: 12.731 min Scan# 1806

Delta R.T. 0.000 min

Lab File: VY023053.D

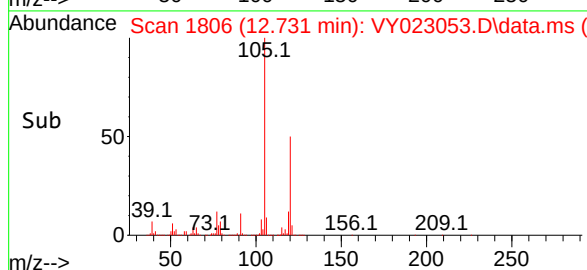
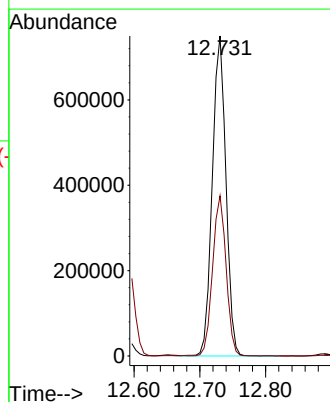
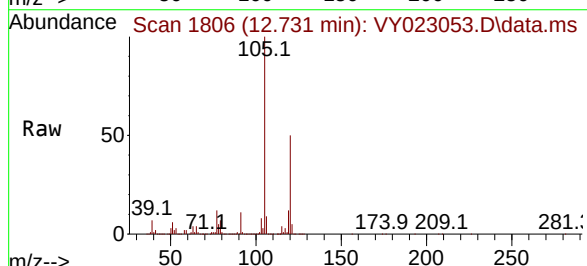
Acq: 12 Aug 2025 16:02

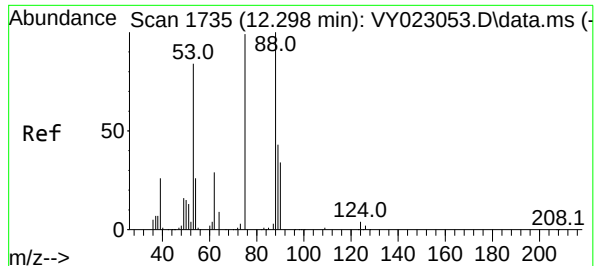
Tgt Ion:105 Resp: 1080333

Ion Ratio Lower Upper

105 100

120 49.6 24.8 74.4





#81

trans-1,4-Dichloro-2-butene

Concen: 49.500 ug/l

RT: 12.298 min Scan# 1735

Delta R.T. 0.000 min

Lab File: VY023053.D

Acq: 12 Aug 2025 16:02

Instrument :

MSVOA_Y

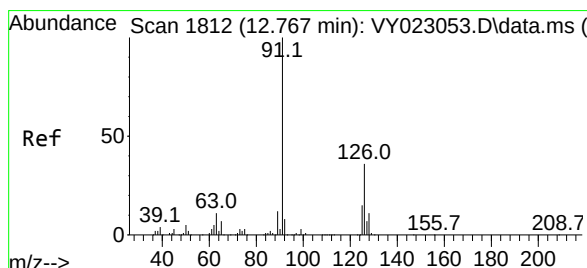
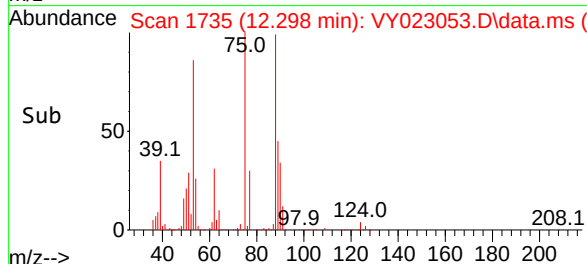
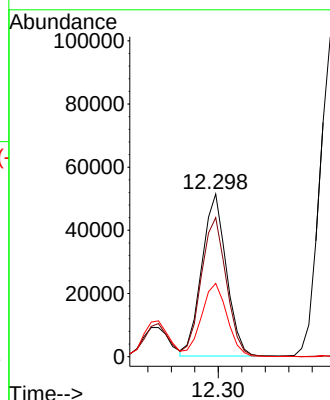
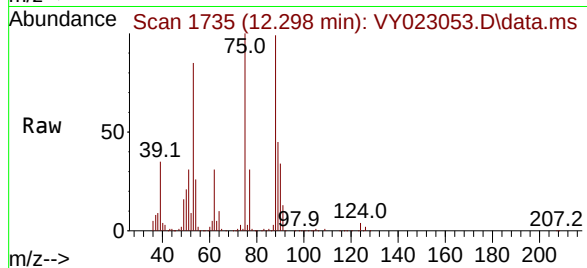
ClientSampleId :

VSTDICCC050

Tgt Ion:	75	Resp:	7456
Ion Ratio	Lower	Upper	
75	100		
53	88.5	70.8	106.2
89	47.6	38.1	57.1

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025



#82

4-Chlorotoluene

Concen: 49.299 ug/l

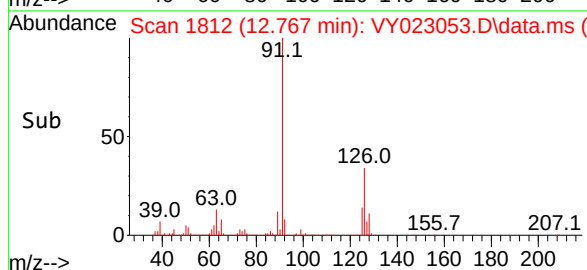
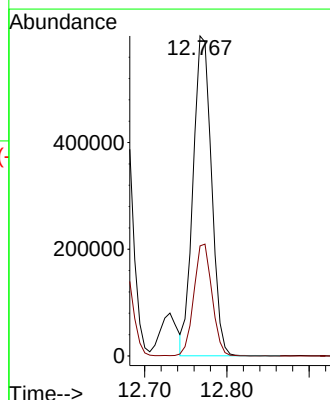
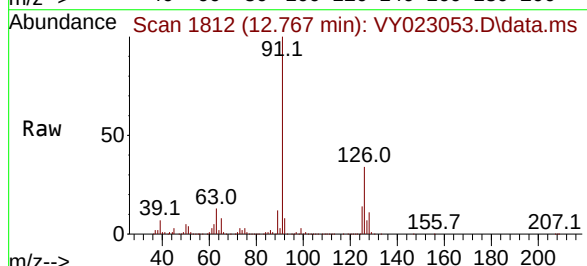
RT: 12.767 min Scan# 1812

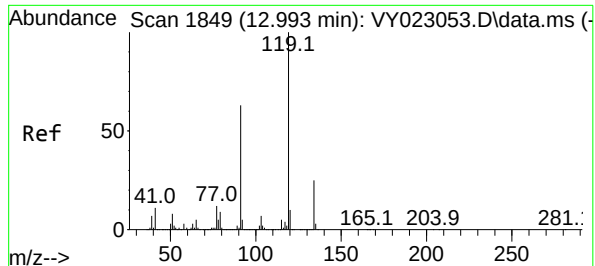
Delta R.T. 0.000 min

Lab File: VY023053.D

Acq: 12 Aug 2025 16:02

Tgt Ion:	91	Resp:	930329
Ion Ratio	Lower	Upper	
91	100		
126	34.7	17.3	52.0





#83

tert-Butylbenzene

Concen: 50.244 ug/l

RT: 12.993 min Scan# 1849

Delta R.T. 0.000 min

Lab File: VY023053.D

Acq: 12 Aug 2025 16:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion:119 Resp: 97803

Ion Ratio Lower Upper

119 100

91 63.2 31.6 94.8

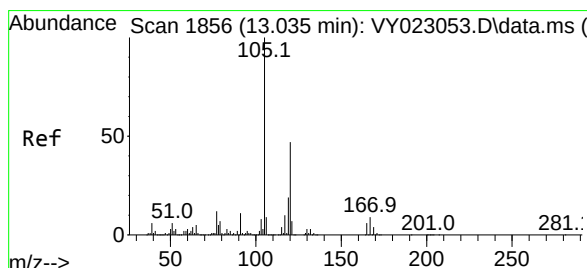
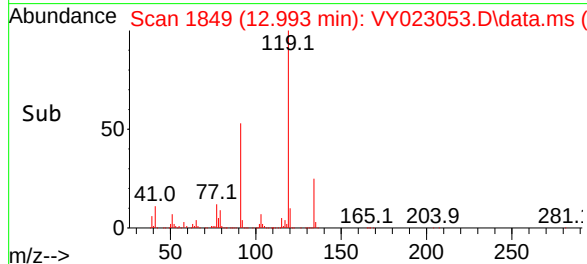
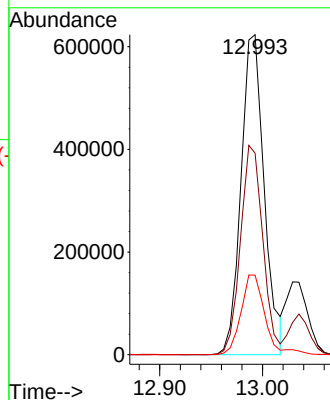
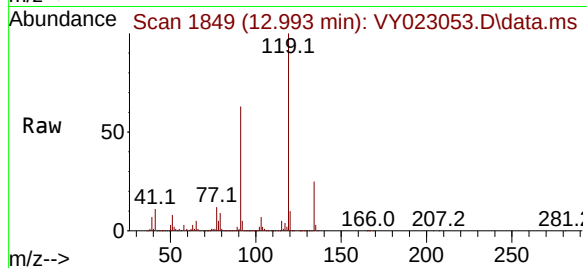
134 25.8 12.9 38.7

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025

Supervised By :Semsettin Yesilyurt 08/14/2025



#84

1,2,4-Trimethylbenzene

Concen: 49.963 ug/l

RT: 13.035 min Scan# 1856

Delta R.T. 0.000 min

Lab File: VY023053.D

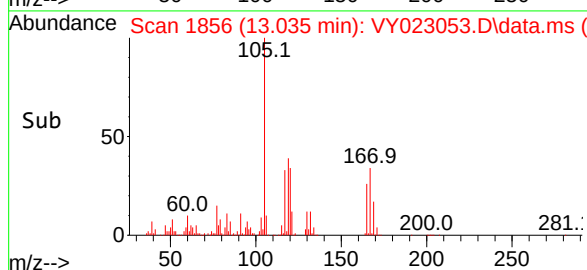
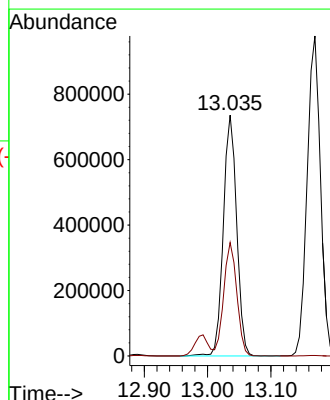
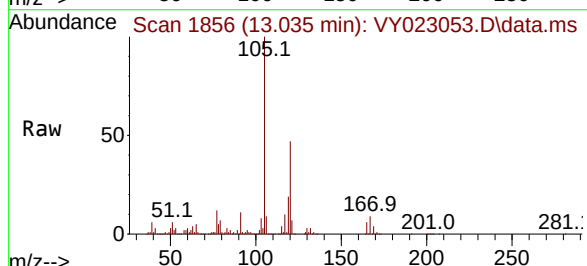
Acq: 12 Aug 2025 16:02

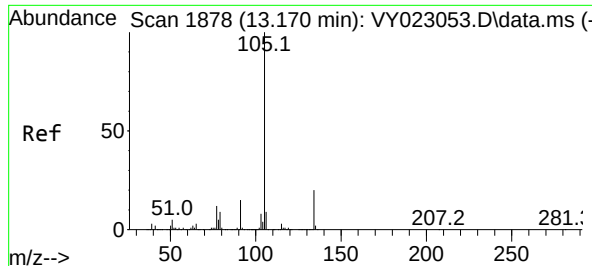
Tgt Ion:105 Resp: 1071926

Ion Ratio Lower Upper

105 100

120 46.0 23.0 69.0





#85

sec-Butylbenzene

Concen: 49.854 ug/l

RT: 13.170 min Scan# 1878

Delta R.T. 0.000 min

Lab File: VY023053.D

Acq: 12 Aug 2025 16:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion:105 Resp: 142555

Ion Ratio Lower Upper

105 100

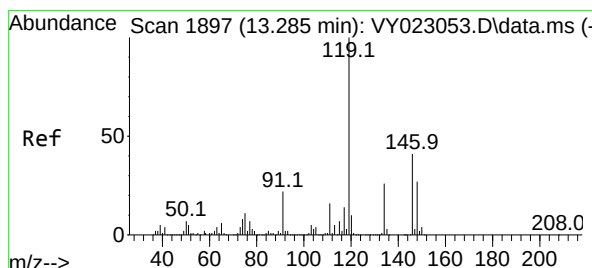
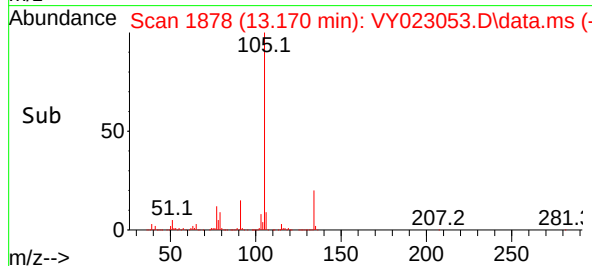
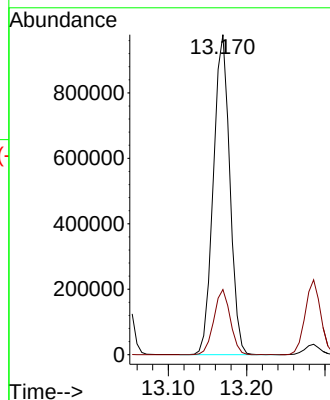
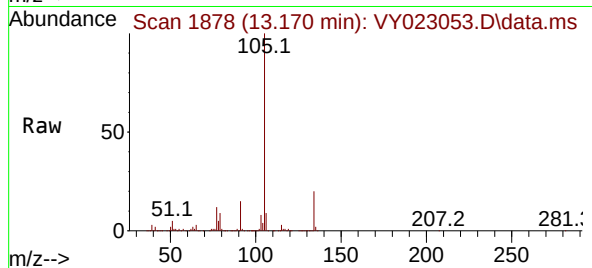
134 20.3 10.2 30.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025

Supervised By :Semsettin Yesilyurt 08/14/2025



#86

p-Isopropyltoluene

Concen: 50.417 ug/l

RT: 13.285 min Scan# 1897

Delta R.T. 0.000 min

Lab File: VY023053.D

Acq: 12 Aug 2025 16:02

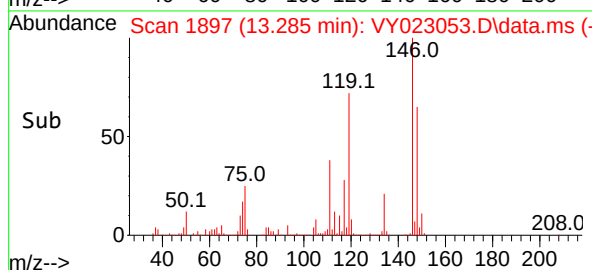
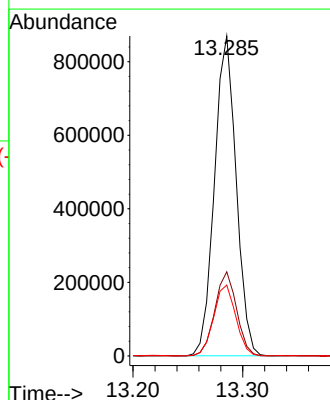
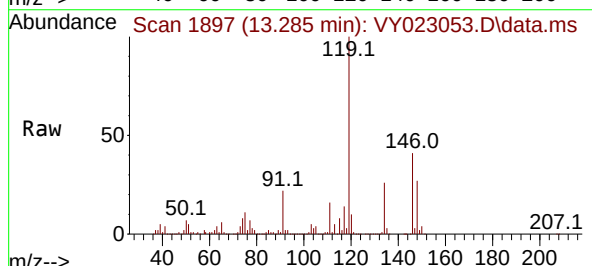
Tgt Ion:119 Resp: 1196645

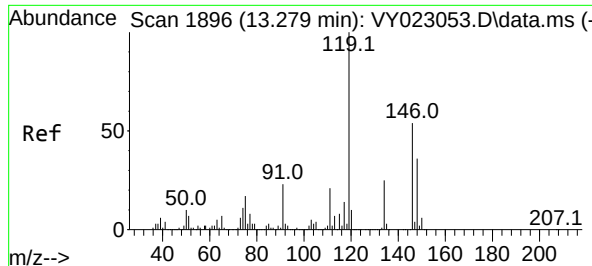
Ion Ratio Lower Upper

119 100

134 26.4 13.2 39.6

91 22.5 11.3 33.8





#87

1,3-Dichlorobenzene

Concen: 48.481 ug/l

RT: 13.279 min Scan# 1896

Delta R.T. 0.000 min

Lab File: VY023053.D

Acq: 12 Aug 2025 16:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion:146 Resp: 608249

Ion Ratio Lower Upper

146 100

111 39.1 19.6 58.7

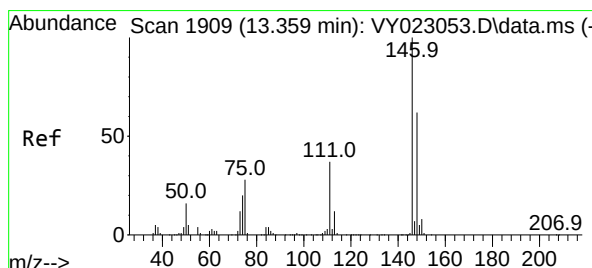
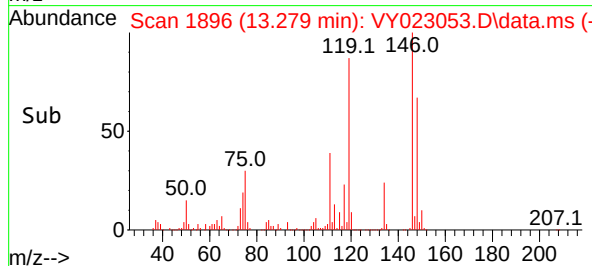
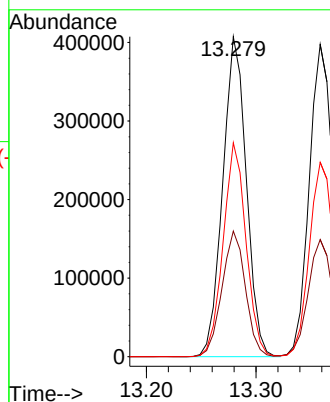
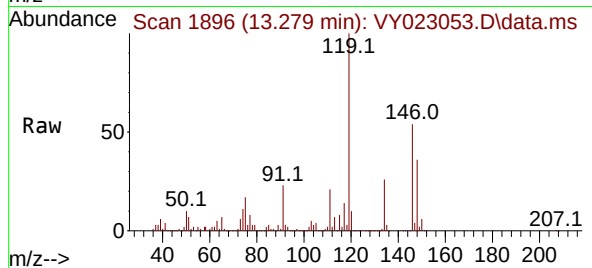
148 65.0 32.5 97.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025

Supervised By :Semsettin Yesilyurt 08/14/2025



#88

1,4-Dichlorobenzene

Concen: 48.618 ug/l

RT: 13.359 min Scan# 1909

Delta R.T. 0.000 min

Lab File: VY023053.D

Acq: 12 Aug 2025 16:02

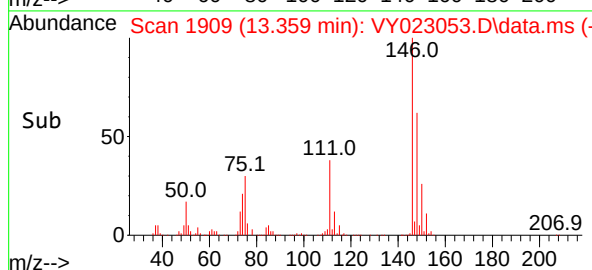
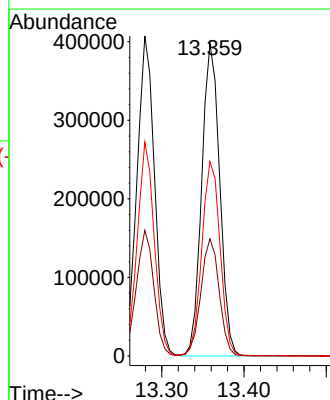
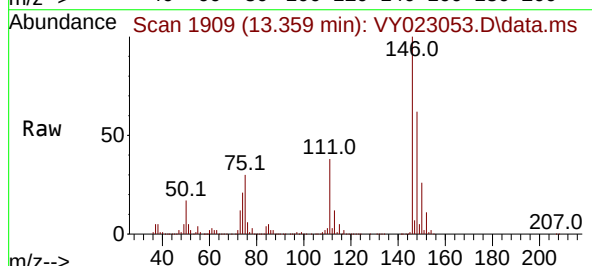
Tgt Ion:146 Resp: 605079

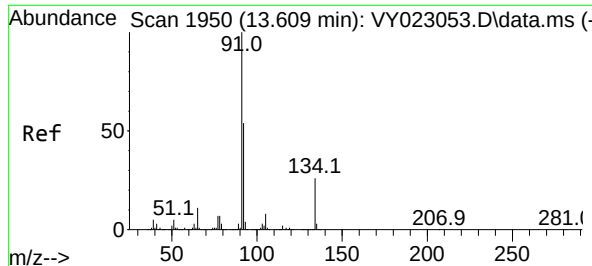
Ion Ratio Lower Upper

146 100

111 38.1 19.1 57.1

148 63.1 31.6 94.7





#89

n-Butylbenzene

Concen: 50.454 ug/l

RT: 13.609 min Scan# 1950

Delta R.T. 0.000 min

Lab File: VY023053.D

Acq: 12 Aug 2025 16:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 91 Resp: 1099864

Ion Ratio Lower Upper

91 100

92 53.8 26.9 80.7

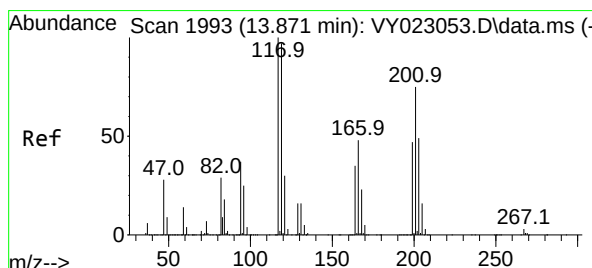
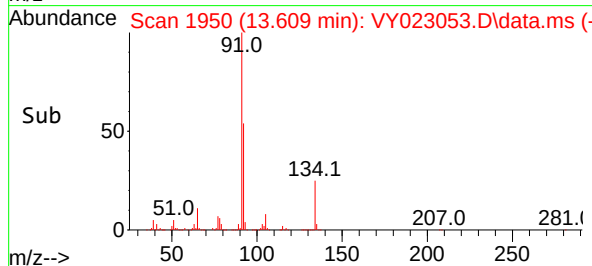
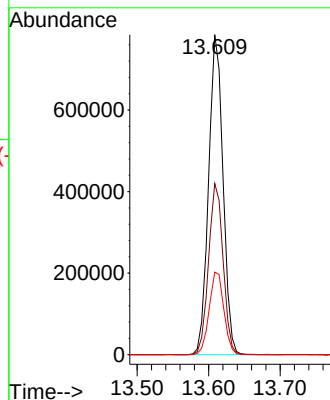
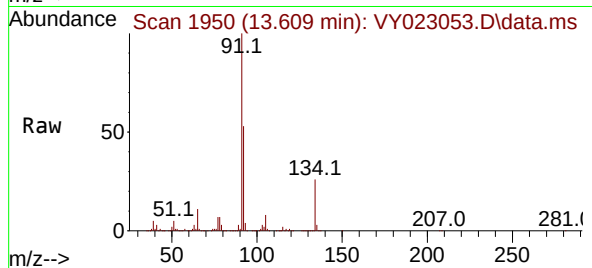
134 26.3 13.2 39.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025

Supervised By :Semsettin Yesilyurt 08/14/2025



#90

Hexachloroethane

Concen: 48.984 ug/l

RT: 13.871 min Scan# 1993

Delta R.T. 0.000 min

Lab File: VY023053.D

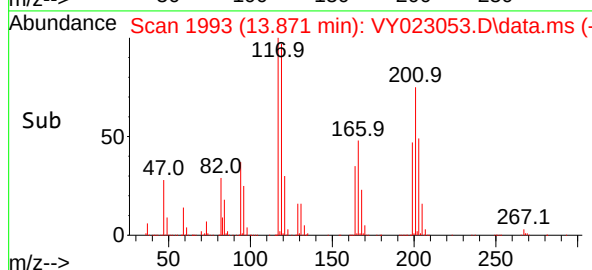
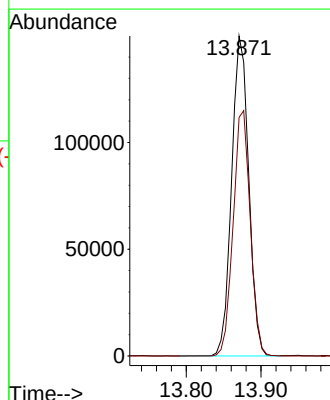
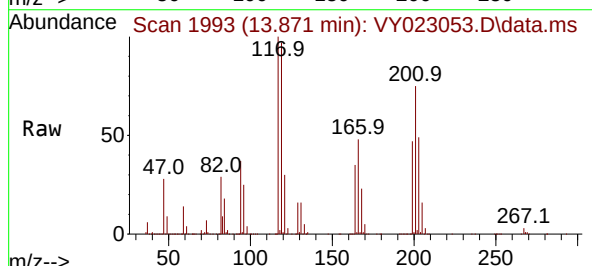
Acq: 12 Aug 2025 16:02

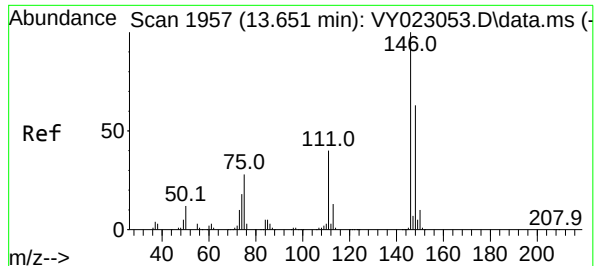
Tgt Ion:117 Resp: 238005

Ion Ratio Lower Upper

117 100

201 76.7 38.4 115.1





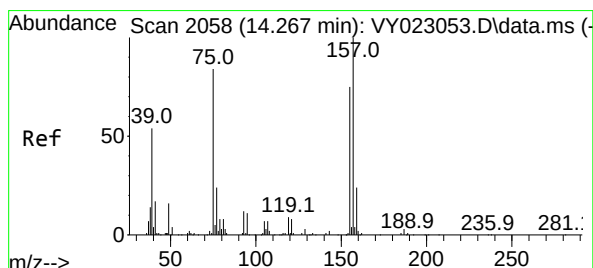
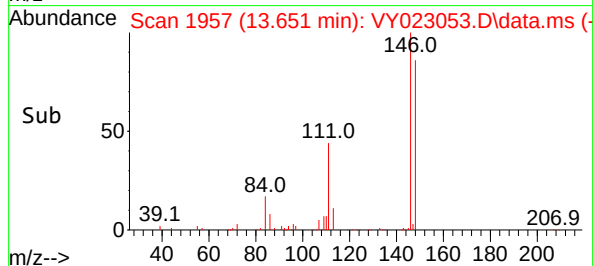
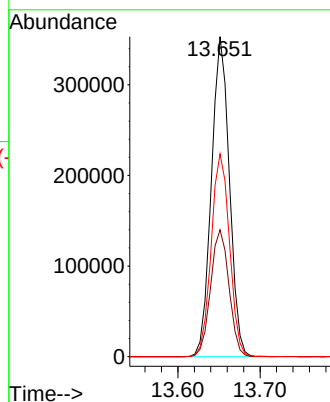
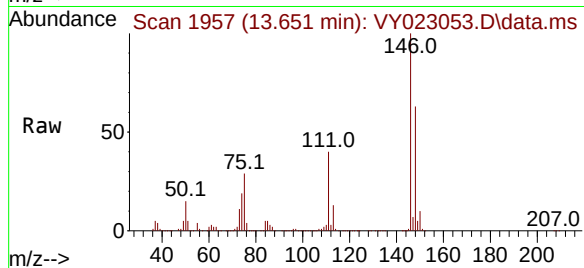
#91
1,2-Dichlorobenzene
Concen: 48.772 ug/l
RT: 13.651 min Scan# 1957
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:146 Resp: 53663
Ion Ratio Lower Upper
146 100
111 40.5 20.3 60.8
148 64.4 32.2 96.6

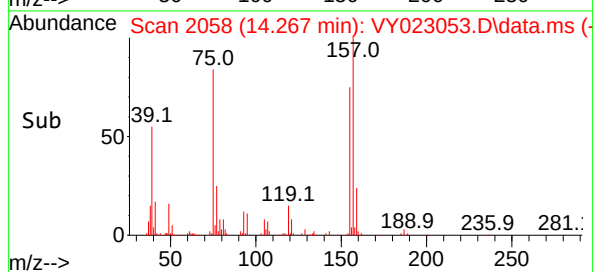
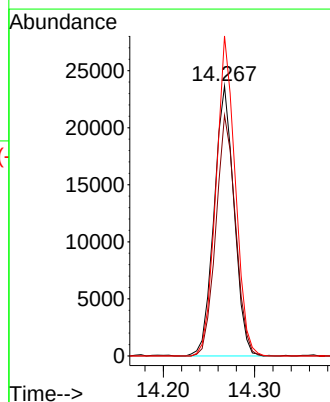
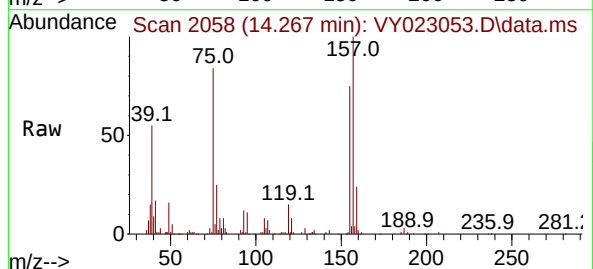
Manual Integrations
APPROVED

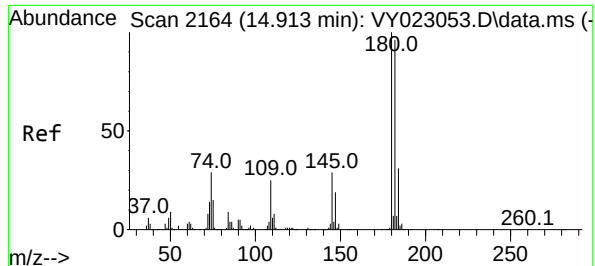
Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 50.592 ug/l
RT: 14.267 min Scan# 2058
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion: 75 Resp: 35867
Ion Ratio Lower Upper
75 100
155 87.7 43.9 131.6
157 114.4 57.2 171.6





#93

1,2,4-Trichlorobenzene

Concen: 49.192 ug/l

RT: 14.913 min Scan# 2164

Delta R.T. 0.000 min

Lab File: VY023053.D

Acq: 12 Aug 2025 16:02

Instrument :

MSVOA_Y

ClientSampleId :

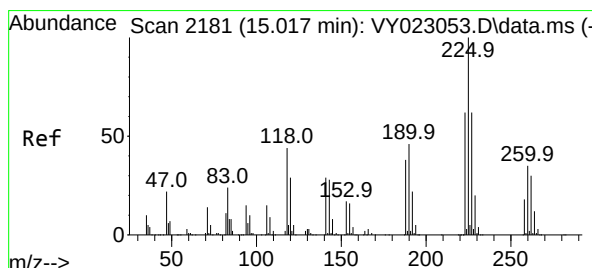
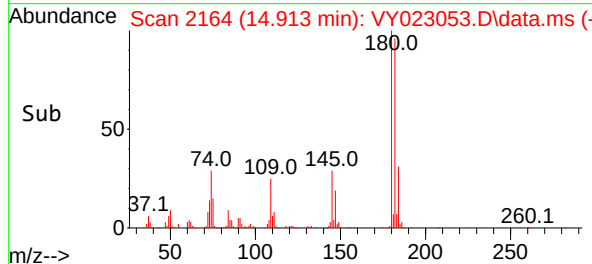
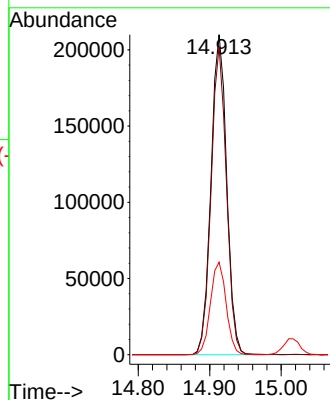
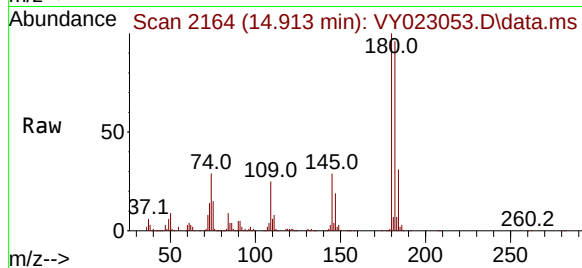
VSTDICCC050

Tgt Ion:180	Resp: 32080
Ion Ratio	Lower Upper
180	100
182	93.6 46.8 140.4
145	28.9 14.4 43.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025



#94

Hexachlorobutadiene

Concen: 48.543 ug/l

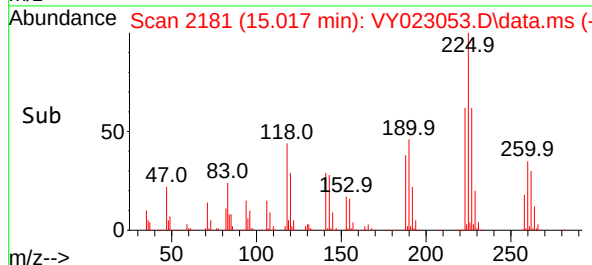
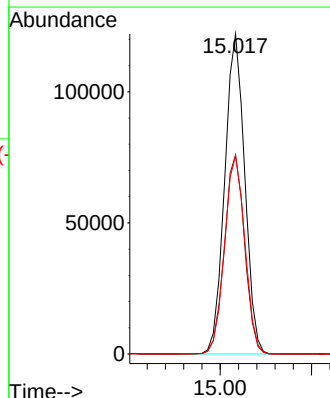
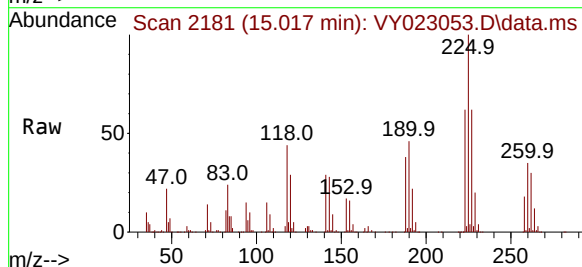
RT: 15.017 min Scan# 2181

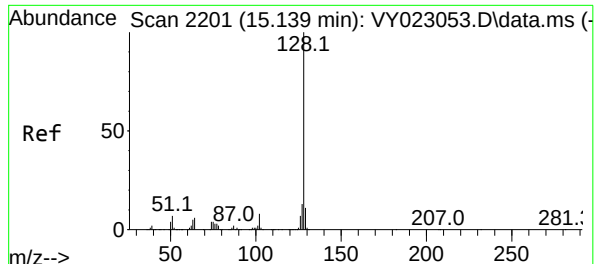
Delta R.T. 0.000 min

Lab File: VY023053.D

Acq: 12 Aug 2025 16:02

Tgt Ion:225	Resp: 185604
Ion Ratio	Lower Upper
225	100
223	62.5 31.3 93.8
227	63.0 31.5 94.5





#95

Naphthalene

Concen: 50.685 ug/l

RT: 15.139 min Scan# 2201

Delta R.T. 0.000 min

Lab File: VY023053.D

Acq: 12 Aug 2025 16:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion:128 Resp: 56236

Ion Ratio Lower Upper

128 100

127 13.0 10.4 15.6

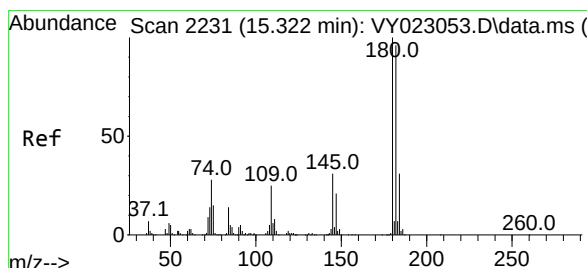
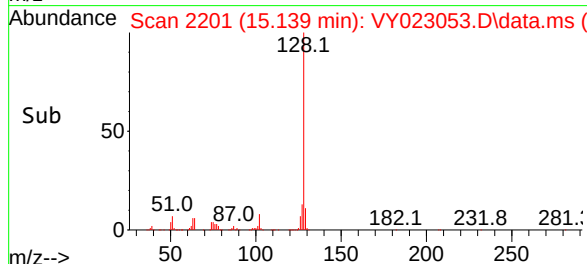
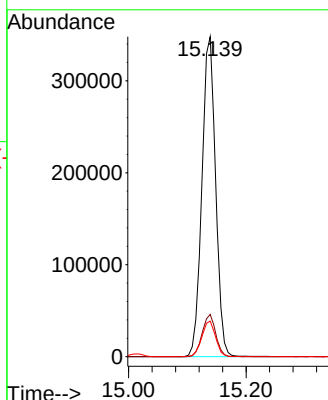
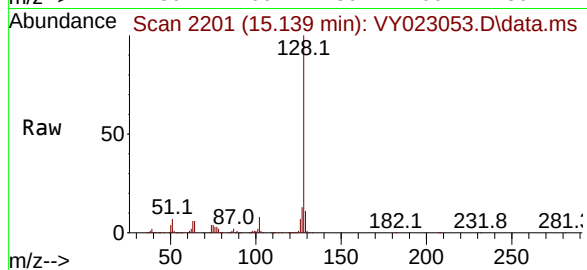
129 11.2 9.0 13.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025

Supervised By :Semsettin Yesilyurt 08/14/2025



#96

1,2,3-Trichlorobenzene

Concen: 48.540 ug/l

RT: 15.322 min Scan# 2231

Delta R.T. 0.000 min

Lab File: VY023053.D

Acq: 12 Aug 2025 16:02

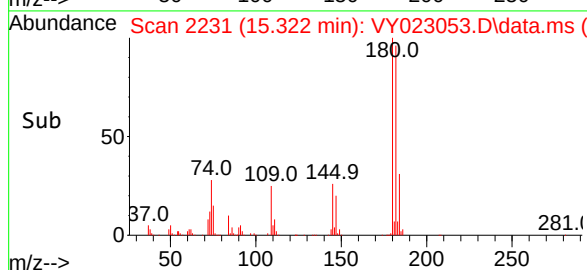
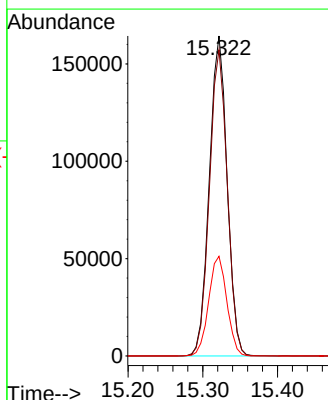
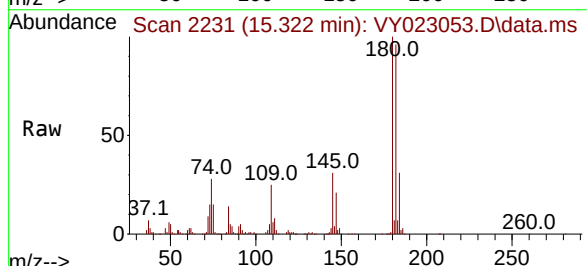
Tgt Ion:180 Resp: 272154

Ion Ratio Lower Upper

180 100

182 95.8 47.9 143.7

145 31.8 15.9 47.7



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081225\
 Data File : VY023054.D
 Acq On : 12 Aug 2025 16:25
 Operator : SY/MD
 Sample : VSTDICC100
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC100

Quant Time: Aug 13 01:54:25 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 13 01:46:43 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Mahesh Dadoda 08/14/2025
 Supervised By : Semsettin Yesilyurt 08/14/2025

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	558266	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	880463	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.408	117	784385	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	404136	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.061	65	527356	99.115	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 198.220%#	
35) Dibromofluoromethane	7.628	113	540106	102.518	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 205.040%#	
50) Toluene-d8	10.103	98	2116445	102.832	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 205.660%#	
62) 4-Bromofluorobenzene	12.402	95	702583	106.147	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 212.300%#	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.867	85	376261	82.570	ug/l	98
3) Chloromethane	2.068	50	673475	91.248	ug/l	99
4) Vinyl Chloride	2.202	62	841648	92.250	ug/l	98
5) Bromomethane	2.586	94	643103	94.384	ug/l	100
6) Chloroethane	2.727	64	567515	93.563	ug/l	99
7) Trichlorofluoromethane	3.050	101	1005284	90.617	ug/l	99
8) Diethyl Ether	3.452	74	273400	93.150	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.812	101	497408	90.882	ug/l	99
10) Methyl Iodide	4.001	142	629775	106.635	ug/l	99
11) Tert butyl alcohol	4.866	59	162373	445.387	ug/l	99
12) 1,1-Dichloroethene	3.787	96	506919	94.229	ug/l	95
13) Acrolein	3.647	56	240580	450.599	ug/l	100
14) Allyl chloride	4.379	41	759925	96.000	ug/l	99
15) Acrylonitrile	5.049	53	555815	465.802	ug/l	99
16) Acetone	3.867	43	522178	453.007	ug/l	97
17) Carbon Disulfide	4.098	76	1622451	92.494	ug/l	100
18) Methyl Acetate	4.379	43	312127	90.993	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	1342237	96.284	ug/l	100
20) Methylene Chloride	4.610	84	570465	97.847	ug/l	98
21) trans-1,2-Dichloroethene	5.110	96	580972	96.098	ug/l	99
22) Diisopropyl ether	6.019	45	1686285	98.033	ug/l	99
23) Vinyl Acetate	5.958	43	4632278	487.023	ug/l	100
24) 1,1-Dichloroethane	5.909	63	1012815	96.306	ug/l	100
25) 2-Butanone	6.890	43	722555	460.899	ug/l	97
26) 2,2-Dichloropropane	6.878	77	866598	95.497	ug/l	99
27) cis-1,2-Dichloroethene	6.884	96	681242	97.472	ug/l	100
28) Bromochloromethane	7.244	49	409677	98.188	ug/l	100
29) Tetrahydrofuran	7.256	42	451254	464.370	ug/l	100
30) Chloroform	7.415	83	1045381	96.383	ug/l	96
31) Cyclohexane	7.695	56	884707	89.271	ug/l	98
32) 1,1,1-Trichloroethane	7.610	97	929858	96.620	ug/l	99
36) 1,1-Dichloropropene	7.829	75	755114	96.443	ug/l	99
37) Ethyl Acetate	6.982	43	313447	95.302	ug/l	99
38) Carbon Tetrachloride	7.811	117	819941	96.419	ug/l	98
39) Methylcyclohexane	9.103	83	1011944	98.146	ug/l	99
40) Benzene	8.073	78	2348617	97.324	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081225\
 Data File : VY023054.D
 Acq On : 12 Aug 2025 16:25
 Operator : SY/MD
 Sample : VSTDICC100
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC100

Quant Time: Aug 13 01:54:25 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 13 01:46:43 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025
 Supervised By :Semsettin Yesilyurt 08/14/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	180468	94.973	ug/l	98
42) 1,2-Dichloroethane	8.152	62	597215	95.155	ug/l	100
43) Isopropyl Acetate	8.195	43	636710	95.780	ug/l	99
44) Trichloroethene	8.860	130	602322	96.584	ug/l	97
45) 1,2-Dichloropropane	9.140	63	543589	97.899	ug/l	99
46) Dibromomethane	9.225	93	309302	97.052	ug/l	99
47) Bromodichloromethane	9.420	83	802532	97.864	ug/l	98
48) Methyl methacrylate	9.219	41	319906	100.567	ug/l	99
49) 1,4-Dioxane	9.225	88	71300	1908.039	ug/l	94
51) 4-Methyl-2-Pentanone	9.994	43	1669668	486.924	ug/l	100
52) Toluene	10.164	92	1537088	100.288	ug/l	100
53) t-1,3-Dichloropropene	10.390	75	754278	101.574	ug/l	99
54) cis-1,3-Dichloropropene	9.853	75	880571	100.281	ug/l	99
55) 1,1,2-Trichloroethane	10.567	97	415556	97.446	ug/l	99
56) Ethyl methacrylate	10.432	69	569556	104.375	ug/l	100
57) 1,3-Dichloropropane	10.713	76	696130	96.253	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.707	63	1389847	539.957	ug/l	99
59) 2-Hexanone	10.756	43	1151000	492.950	ug/l	100
60) Dibromochloromethane	10.902	129	557205	99.024	ug/l	99
61) 1,2-Dibromoethane	11.012	107	391650	97.713	ug/l	98
64) Tetrachloroethene	10.640	164	615871	87.931	ug/l	98
65) Chlorobenzene	11.438	112	1658154	98.004	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.512	131	573131	99.810	ug/l	99
67) Ethyl Benzene	11.512	91	2914020	100.082	ug/l	98
68) m/p-Xylenes	11.621	106	2312597	203.363	ug/l	98
69) o-Xylene	11.950	106	1100998	103.373	ug/l	99
70) Styrene	11.963	104	1845480	105.953	ug/l	99
71) Bromoform	12.127	173	334886	99.786	ug/l #	99
73) Isopropylbenzene	12.249	105	2839999	99.567	ug/l	99
74) N-amyl acetate	12.066	43	610668	100.955	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.499	83	469810	96.464	ug/l	100
76) 1,2,3-Trichloropropane	12.548	75	330554m	84.695	ug/l	
77) Bromobenzene	12.524	156	671329	98.655	ug/l	98
78) n-propylbenzene	12.591	91	3360679	98.963	ug/l	99
79) 2-Chlorotoluene	12.670	91	1931460	99.268	ug/l	100
80) 1,3,5-Trimethylbenzene	12.731	105	2321527	100.707	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.298	75	153260	95.118	ug/l	100
82) 4-Chlorotoluene	12.767	91	1988544	98.519	ug/l	100
83) tert-Butylbenzene	12.993	119	2125785	102.102	ug/l	98
84) 1,2,4-Trimethylbenzene	13.036	105	2339432	101.946	ug/l	100
85) sec-Butylbenzene	13.170	105	3056373	99.932	ug/l	100
86) p-Isopropyltoluene	13.286	119	2610936	102.846	ug/l	100
87) 1,3-Dichlorobenzene	13.280	146	1338547	99.748	ug/l	99
88) 1,4-Dichlorobenzene	13.359	146	1290840	96.970	ug/l	99
89) n-Butylbenzene	13.609	91	2370706	101.675	ug/l	100
90) Hexachloroethane	13.871	117	510900	98.308	ug/l	99
91) 1,2-Dichlorobenzene	13.651	146	1162152	98.749	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.267	75	69736	91.965	ug/l	97
93) 1,2,4-Trichlorobenzene	14.913	180	692201	99.460	ug/l	98
94) Hexachlorobutadiene	15.017	225	387707	94.803	ug/l	99
95) Naphthalene	15.133	128	1212227	102.147	ug/l	100
96) 1,2,3-Trichlorobenzene	15.322	180	587990	98.046	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081225\
Data File : VY023054.D
Acq On : 12 Aug 2025 16:25
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025

Quant Time: Aug 13 01:54:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 01:46:43 2025
Response via : Initial Calibration

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081225\
 Data File : VY023054.D
 Acq On : 12 Aug 2025 16:25
 Operator : SY/MD
 Sample : VSTDICC100
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025

Supervised By :Semsettin Yesilyurt 08/14/2025

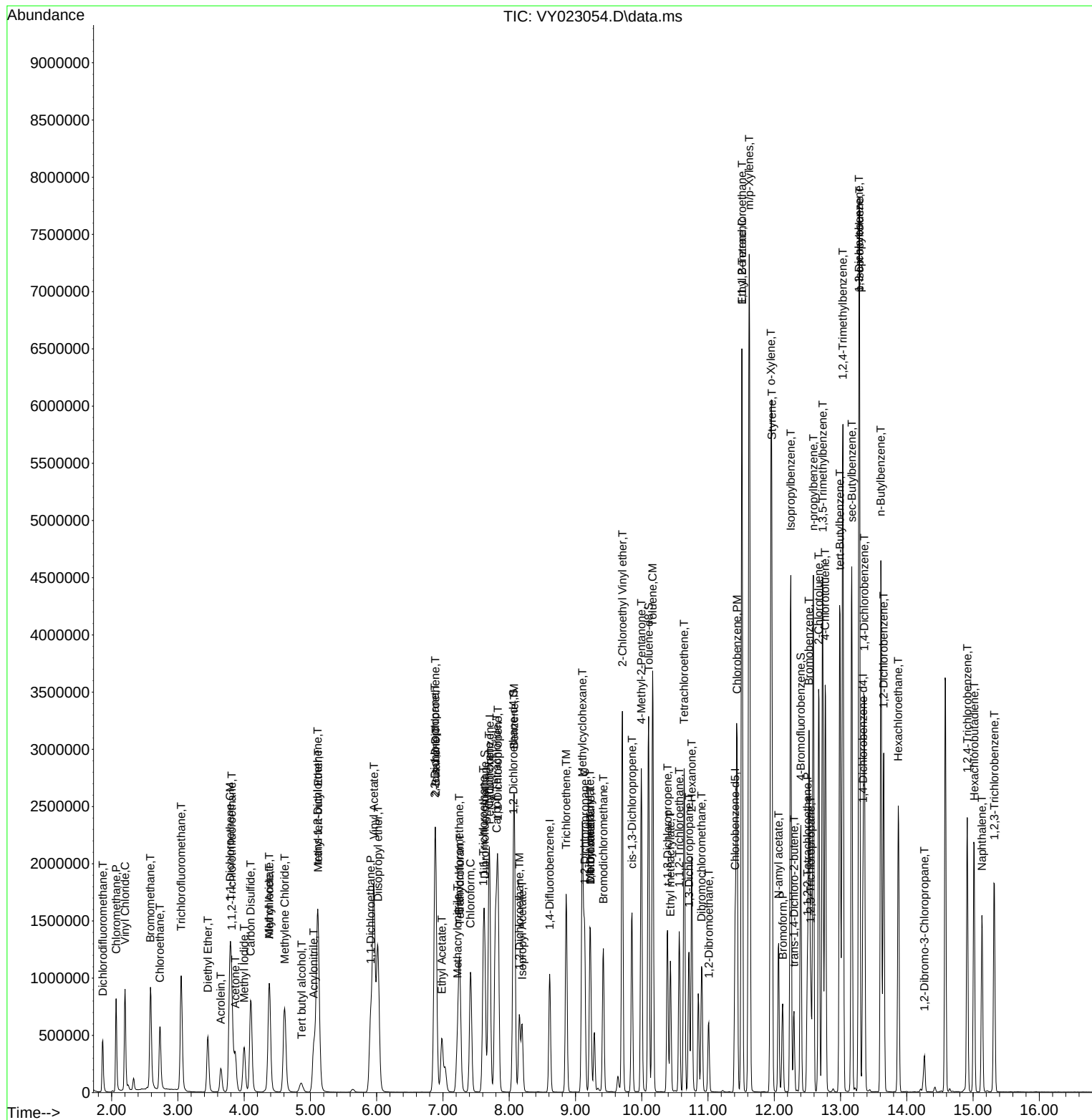
Quant Time: Aug 13 01:54:25 2025

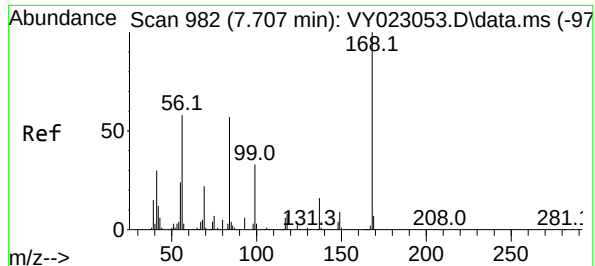
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M

Quant Title : SW846 8260

QLast Update : Wed Aug 13 01:46:43 2025

Response via : Initial Calibration





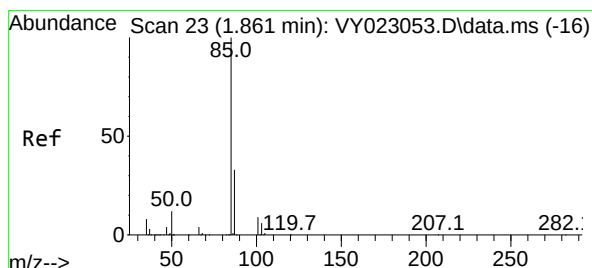
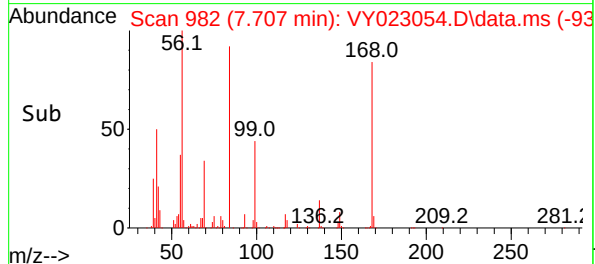
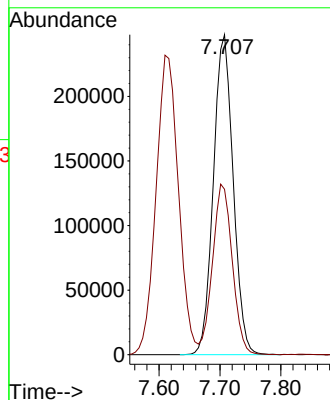
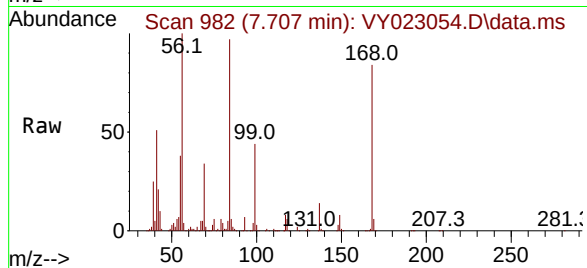
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:168 Resp: 558260
Ion Ratio Lower Upper
168 100
99 51.7 42.8 64.2

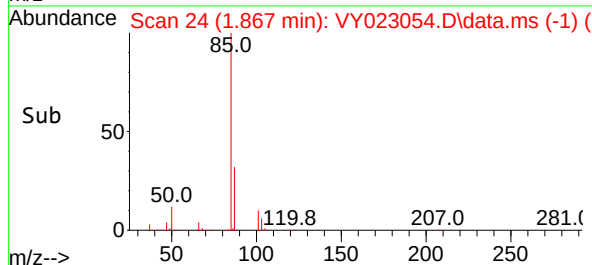
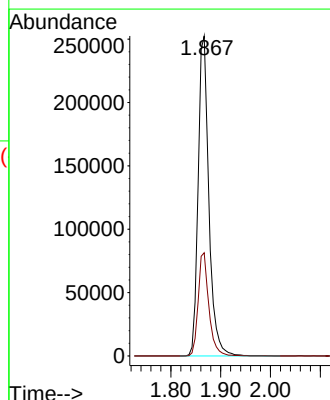
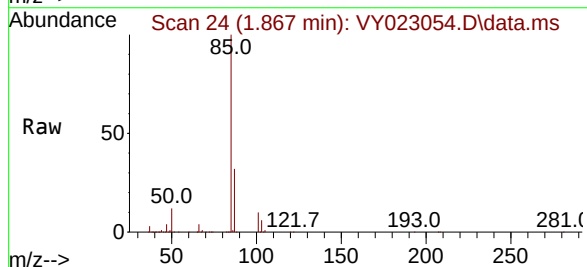
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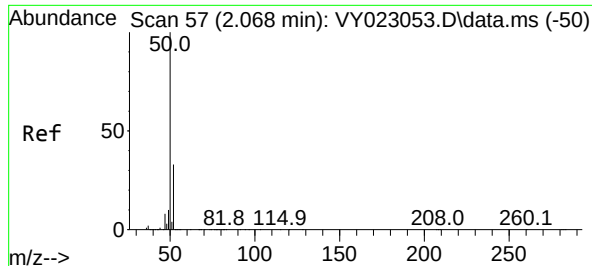
Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025



#2
Dichlorodifluoromethane
Concen: 82.570 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.006 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion: 85 Resp: 376261
Ion Ratio Lower Upper
85 100
87 32.3 16.6 49.8





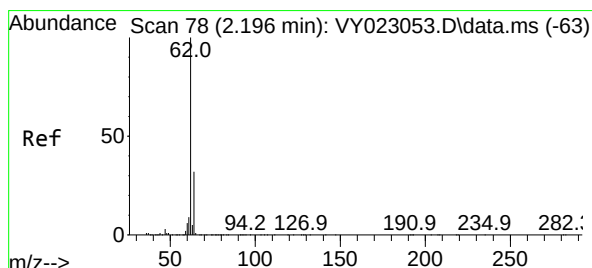
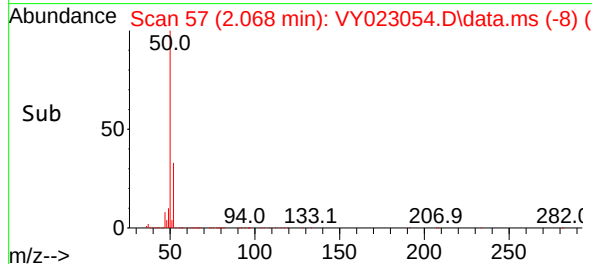
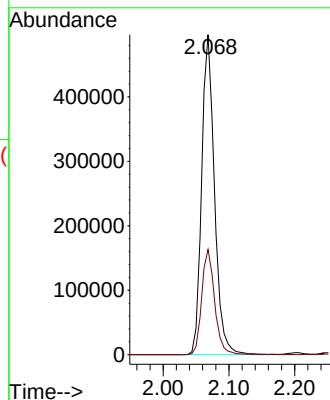
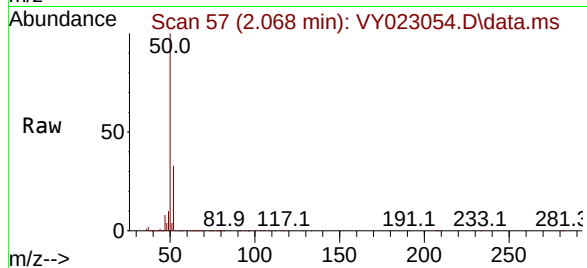
#3
Chloromethane
Concen: 91.248 ug/l
RT: 2.068 min Scan# 51
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 50 Resp: 673475
Ion Ratio Lower Upper
50 100
52 32.9 26.7 40.1

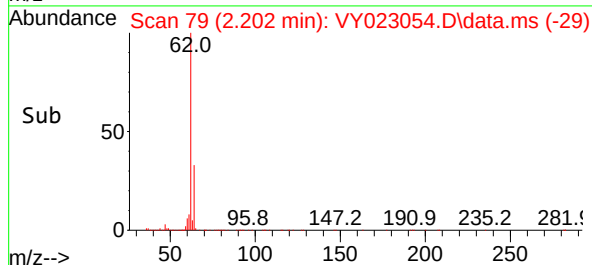
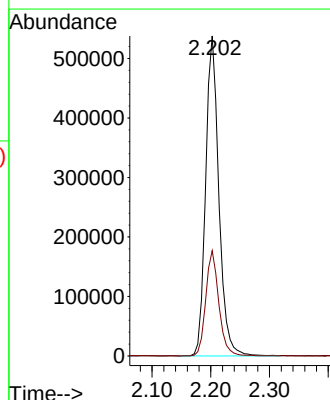
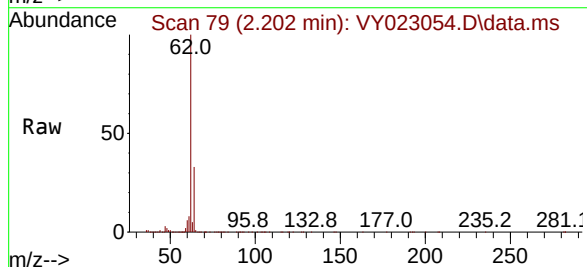
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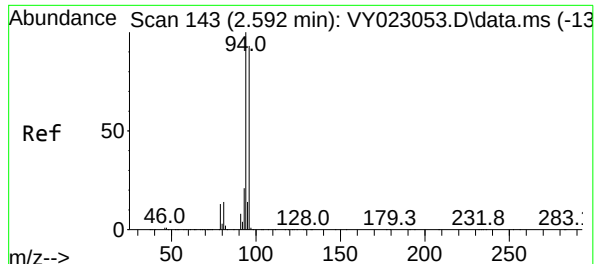
Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025



#4
Vinyl Chloride
Concen: 92.250 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.006 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion: 62 Resp: 841648
Ion Ratio Lower Upper
62 100
64 32.9 25.4 38.0





#5

Bromomethane

Concen: 94.384 ug/l

RT: 2.586 min Scan# 143

Delta R.T. -0.006 min

Lab File: VY023054.D

Acq: 12 Aug 2025 16:25

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tgt Ion: 94 Resp: 64310

Ion Ratio Lower Upper

94 100

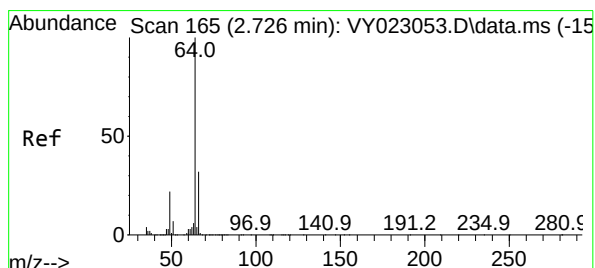
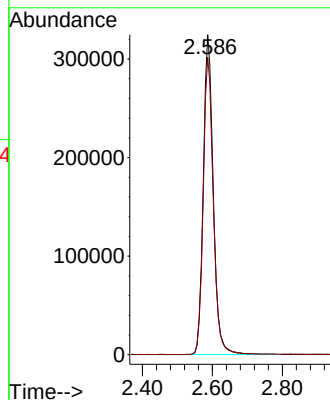
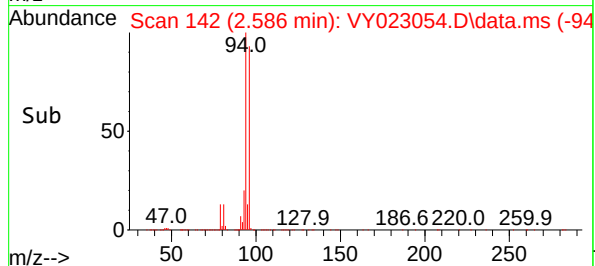
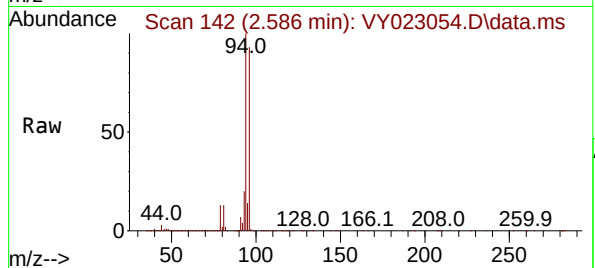
96 92.9 74.6 112.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025

Supervised By :Semsettin Yesilyurt 08/14/2025



#6

Chloroethane

Concen: 93.563 ug/l

RT: 2.727 min Scan# 165

Delta R.T. 0.000 min

Lab File: VY023054.D

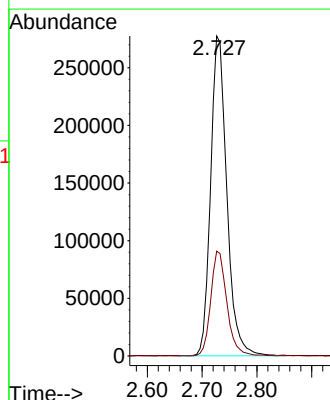
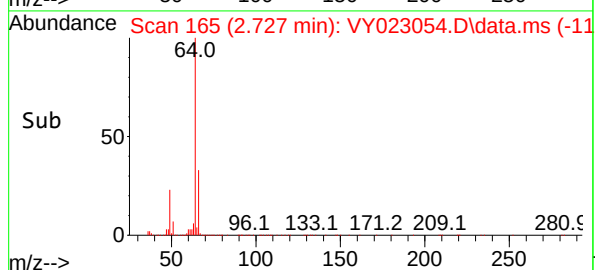
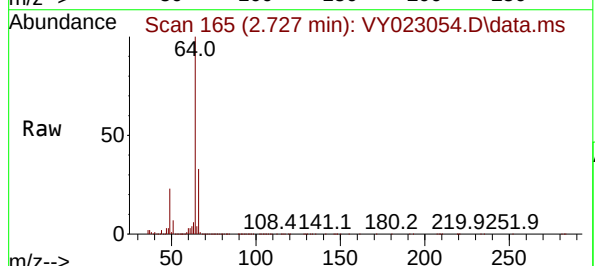
Acq: 12 Aug 2025 16:25

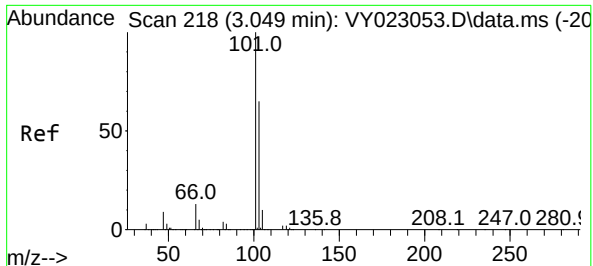
Tgt Ion: 64 Resp: 567515

Ion Ratio Lower Upper

64 100

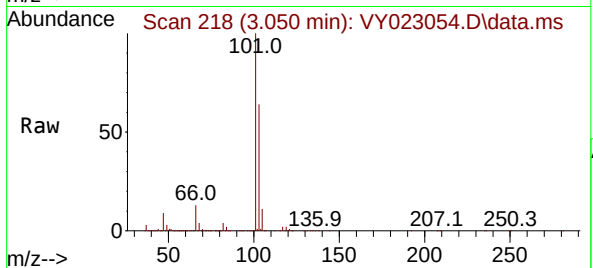
66 32.7 25.8 38.6





#7
Trichlorofluoromethane
Concen: 90.617 ug/l
RT: 3.050 min Scan# 218
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

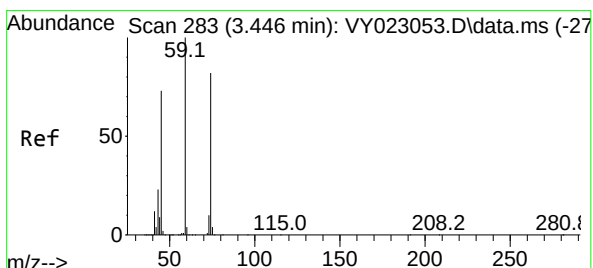
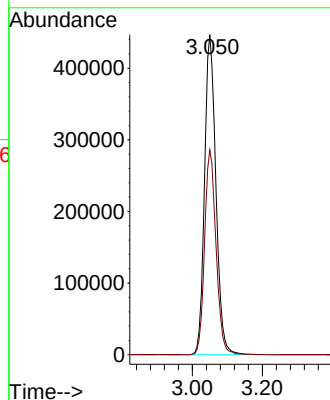
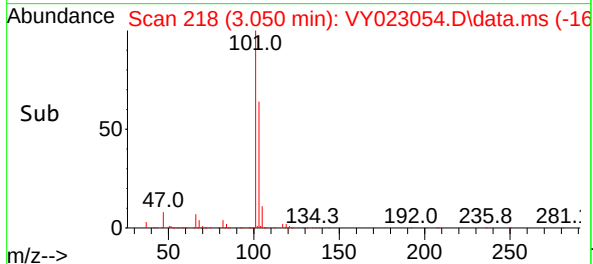
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100



Tgt Ion:101 Resp: 1005284
Ion Ratio Lower Upper
101 100
103 64.0 51.9 77.9

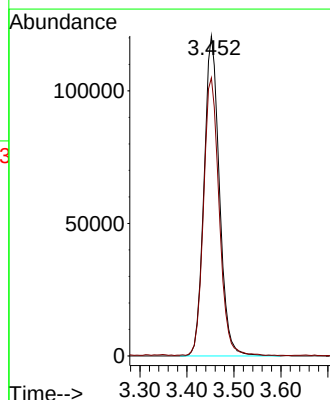
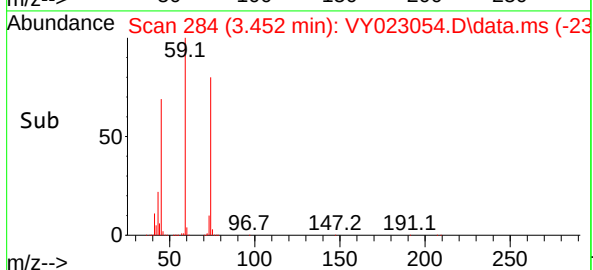
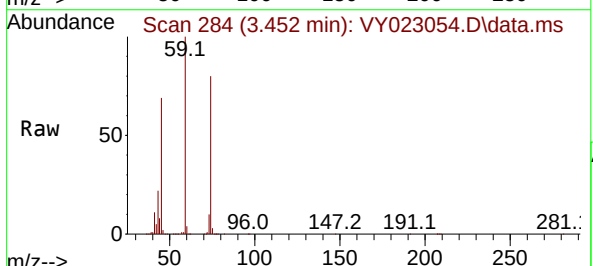
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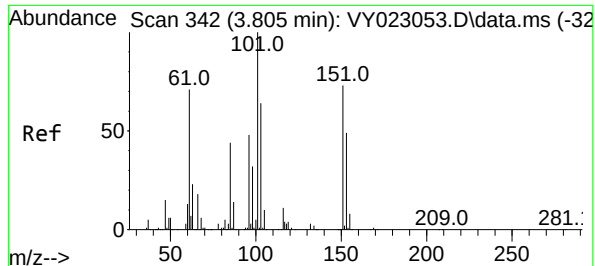
Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025



#8
Diethyl Ether
Concen: 93.150 ug/l
RT: 3.452 min Scan# 284
Delta R.T. 0.006 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion: 74 Resp: 273400
Ion Ratio Lower Upper
74 100
45 88.2 44.4 133.2





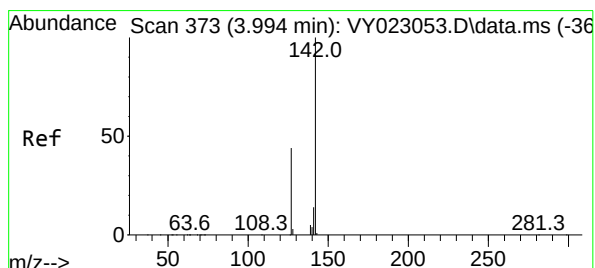
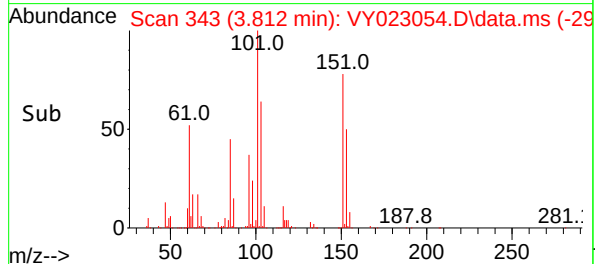
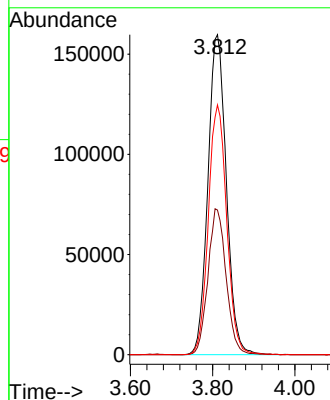
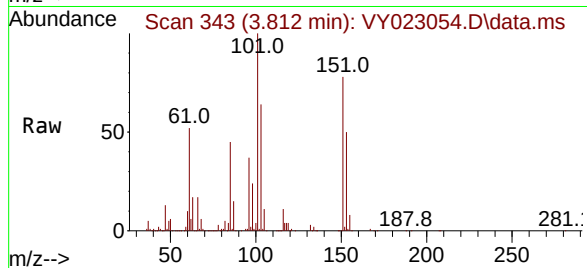
#9
1,1,2-Trichlorotrifluoroethane
Concen: 90.882 ug/l
RT: 3.812 min Scan# 342
Delta R.T. 0.006 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:101 Resp: 497408
Ion Ratio Lower Upper
101 100
85 45.0 36.3 54.5
151 77.9 61.5 92.3

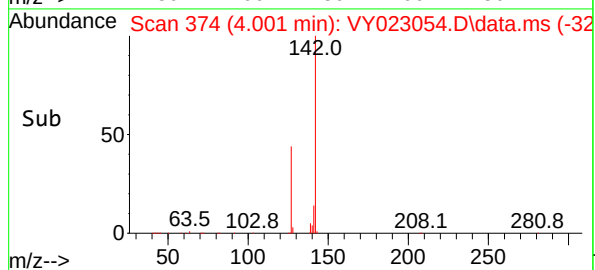
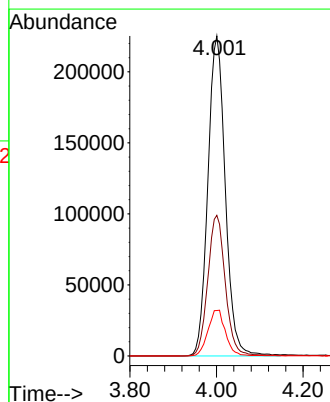
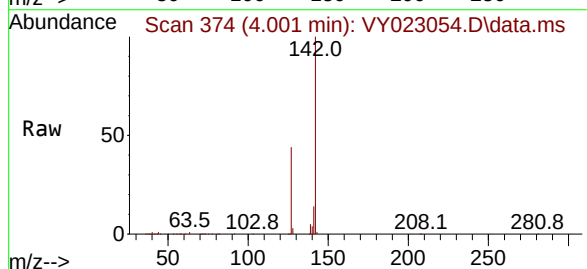
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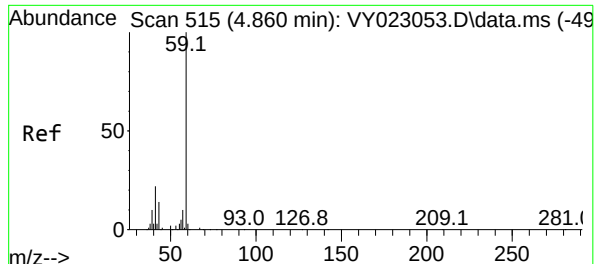
Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025



#10
Methyl Iodide
Concen: 106.635 ug/l
RT: 4.001 min Scan# 374
Delta R.T. 0.006 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion:142 Resp: 629775
Ion Ratio Lower Upper
142 100
127 44.2 34.9 52.3
141 14.4 11.3 16.9





#11

Tert butyl alcohol

Concen: 445.387 ug/l

RT: 4.866 min Scan# 51

Delta R.T. 0.006 min

Lab File: VY023054.D

Acq: 12 Aug 2025 16:25

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tgt Ion: 59 Resp: 16237

Ion Ratio Lower Upper

59 100

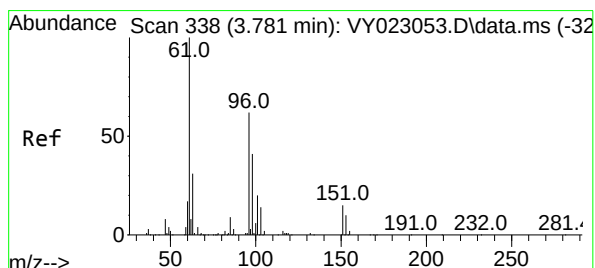
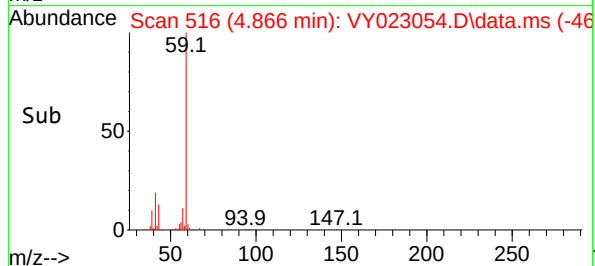
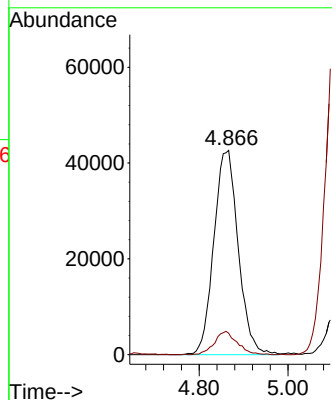
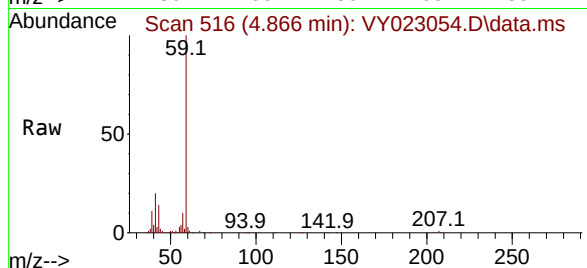
57 10.6 8.6 13.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025

Supervised By :Semsettin Yesilyurt 08/14/2025



#12

1,1-Dichloroethene

Concen: 94.229 ug/l

RT: 3.787 min Scan# 339

Delta R.T. 0.006 min

Lab File: VY023054.D

Acq: 12 Aug 2025 16:25

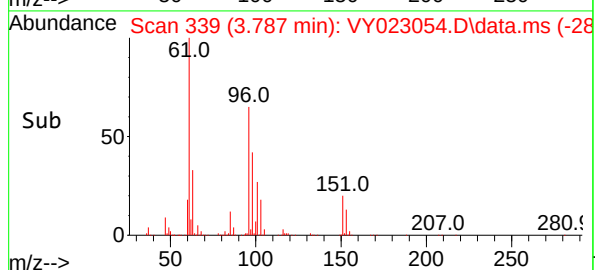
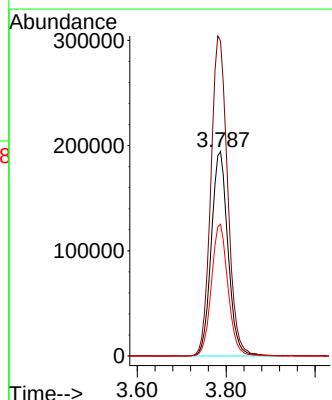
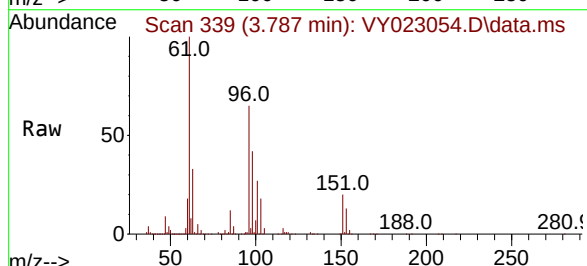
Tgt Ion: 96 Resp: 506919

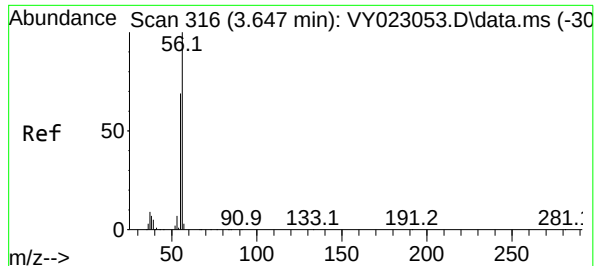
Ion Ratio Lower Upper

96 100

61 154.0 129.4 194.2

98 64.4 52.8 79.2





#13

Acrolein

Concen: 450.599 ug/l

RT: 3.647 min Scan# 316

Delta R.T. 0.000 min

Lab File: VY023054.D

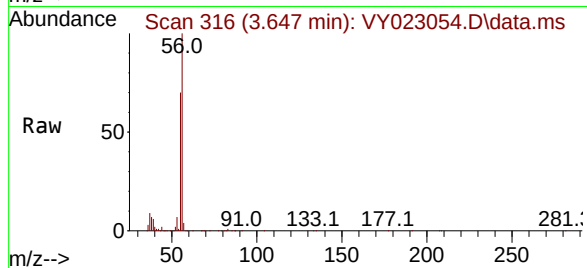
Acq: 12 Aug 2025 16:25

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100



Tgt Ion: 56 Resp: 240580

Ion Ratio Lower Upper

56 100

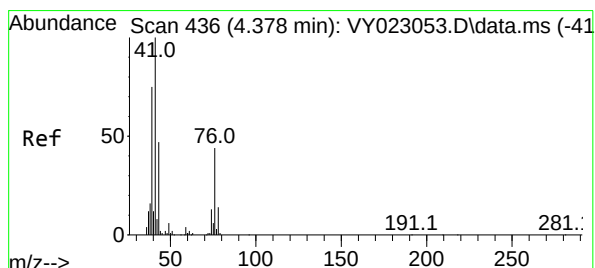
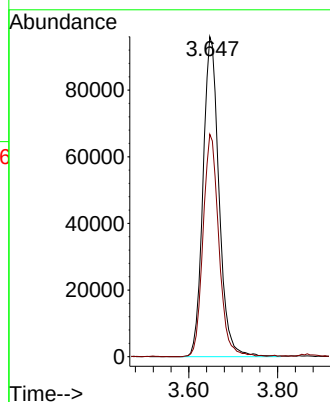
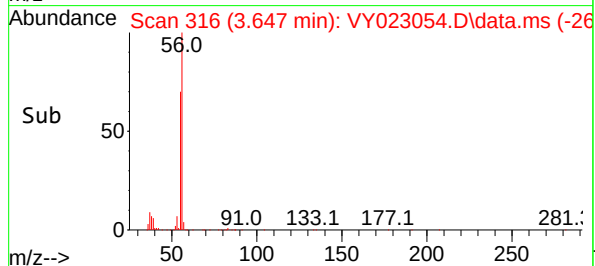
55 68.9 55.2 82.8

Manual Integrations

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Reviewed By :Mahesh Dadoda 08/14/2025

Supervised By :Semsettin Yesilyurt 08/14/2025



#14

Allyl chloride

Concen: 96.000 ug/l

RT: 4.379 min Scan# 436

Delta R.T. 0.000 min

Lab File: VY023054.D

Acq: 12 Aug 2025 16:25

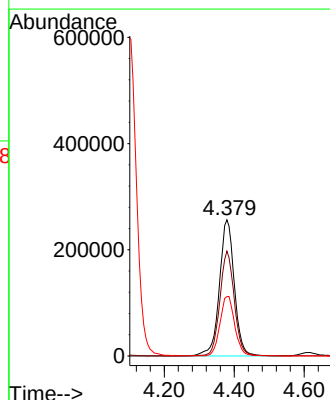
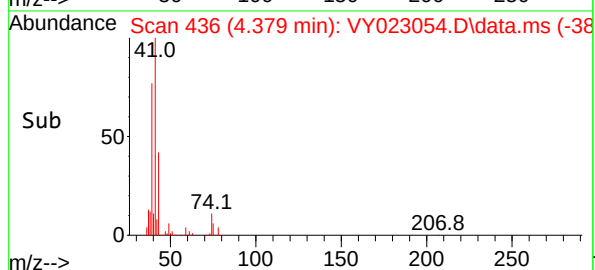
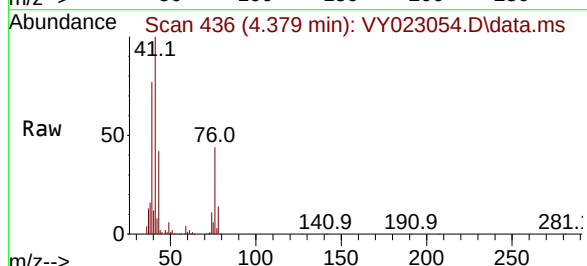
Tgt Ion: 41 Resp: 759925

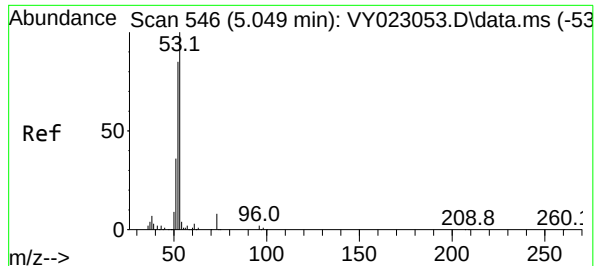
Ion Ratio Lower Upper

41 100

39 74.3 59.8 89.6

76 43.0 33.7 50.5





#15

Acrylonitrile

Concen: 465.802 ug/l

RT: 5.049 min Scan# 546

Delta R.T. 0.000 min

Lab File: VY023054.D

Acq: 12 Aug 2025 16:25

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

Tgt Ion: 53 Resp: 55581

Ion Ratio Lower Upper

53 100

52 80.3 65.3 97.9

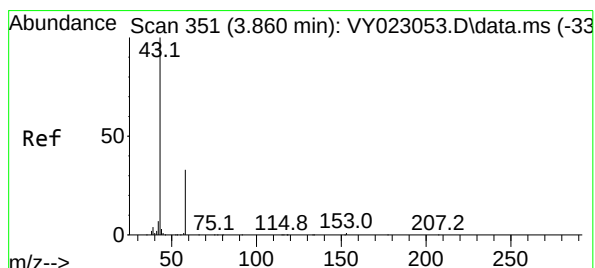
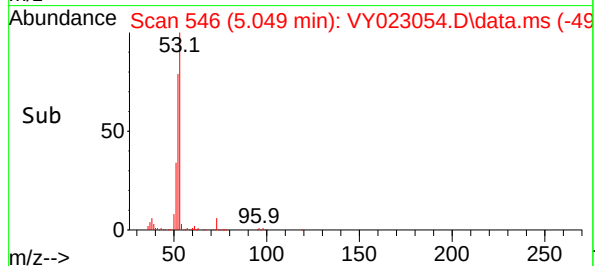
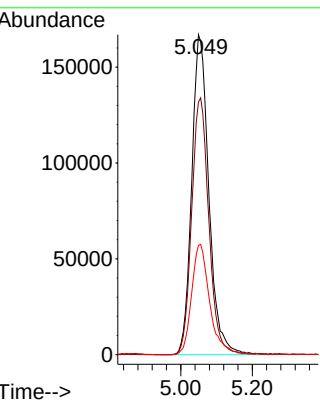
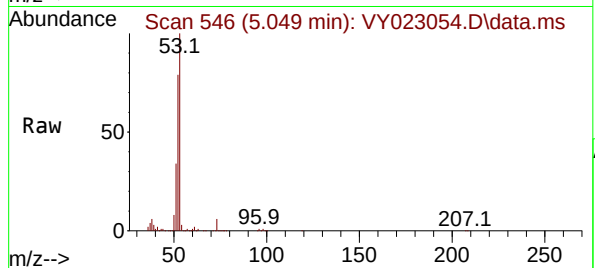
51 36.3 29.5 44.3

Manual Integrations

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Reviewed By :Mahesh Dadoda 08/14/2025

Supervised By :Semsettin Yesilyurt 08/14/2025



#16

Acetone

Concen: 453.007 ug/l

RT: 3.867 min Scan# 352

Delta R.T. 0.006 min

Lab File: VY023054.D

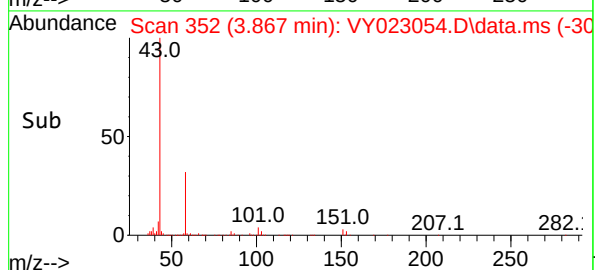
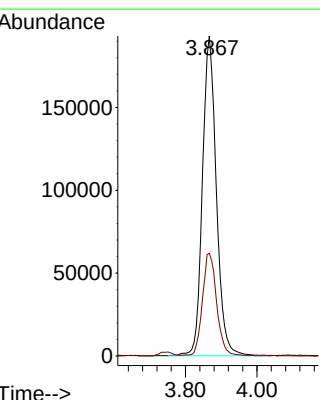
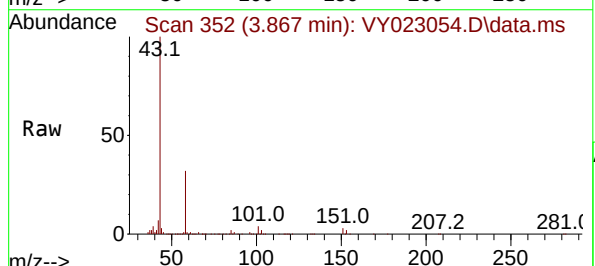
Acq: 12 Aug 2025 16:25

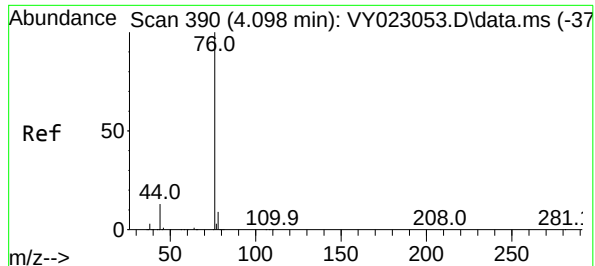
Tgt Ion: 43 Resp: 522178

Ion Ratio Lower Upper

43 100

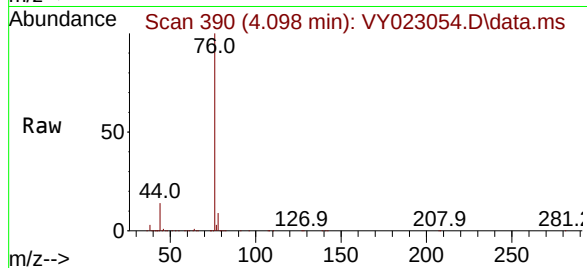
58 32.1 27.1 40.7





#17
Carbon Disulfide
Concen: 92.494 ug/l
RT: 4.098 min Scan# 390
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

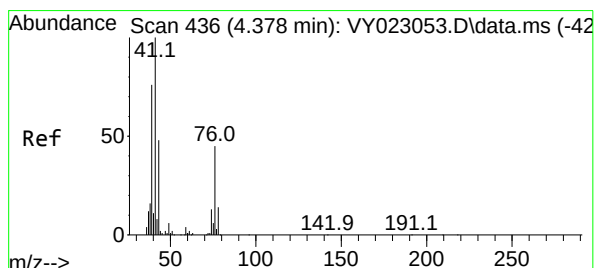
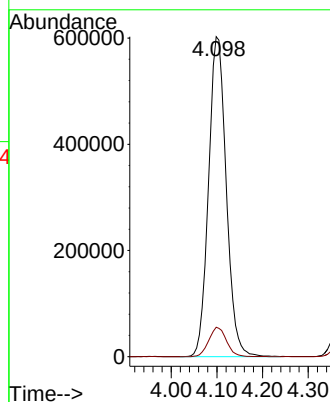
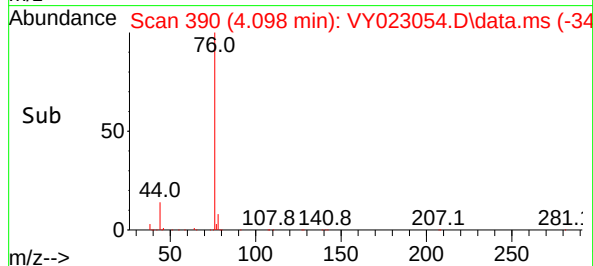
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100



Tgt Ion: 76 Resp: 162245
Ion Ratio Lower Upper
76 100
78 9.2 7.4 11.2

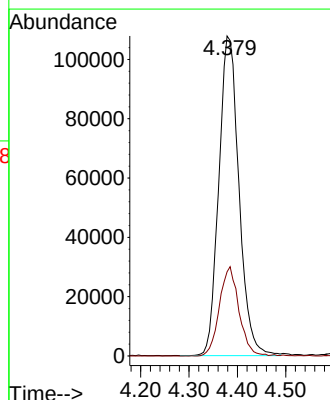
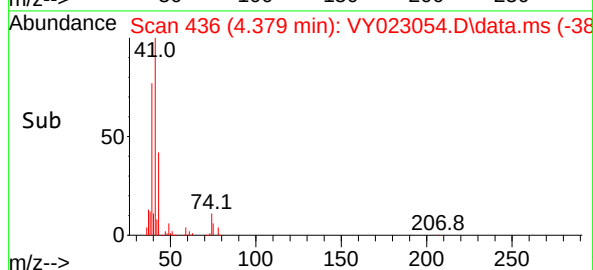
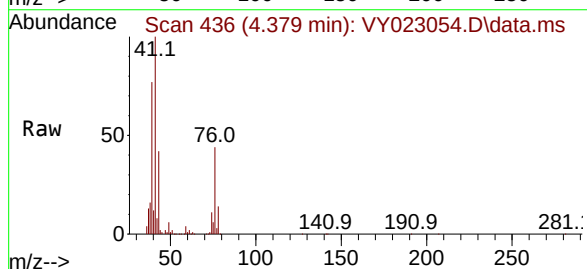
Manual Integrations
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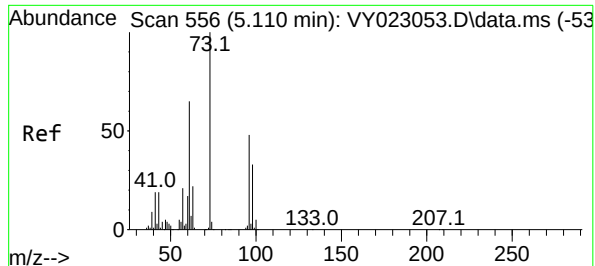
Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025



#18
Methyl Acetate
Concen: 90.993 ug/l
RT: 4.379 min Scan# 436
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion: 43 Resp: 312127
Ion Ratio Lower Upper
43 100
74 27.1 21.2 31.8





#19

Methyl tert-butyl Ether

Concen: 96.284 ug/l

RT: 5.116 min Scan# 51

Delta R.T. 0.006 min

Lab File: VY023054.D

Acq: 12 Aug 2025 16:25

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

Tgt Ion: 73 Resp: 134223

Ion Ratio Lower Upper

73 100

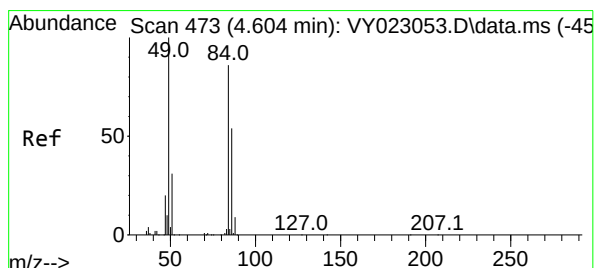
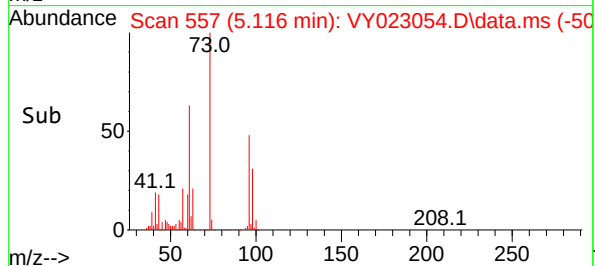
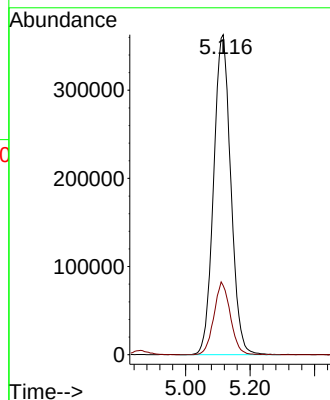
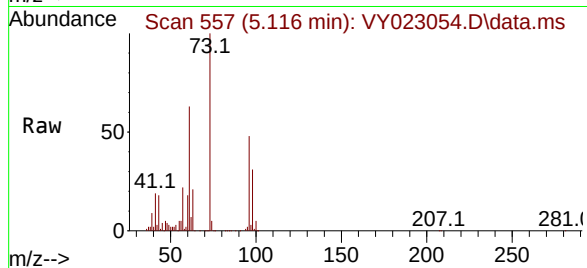
57 21.5 17.1 25.7

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025

Supervised By :Semsettin Yesilyurt 08/14/2025



#20

Methylene Chloride

Concen: 97.847 ug/l

RT: 4.610 min Scan# 474

Delta R.T. 0.006 min

Lab File: VY023054.D

Acq: 12 Aug 2025 16:25

Tgt Ion: 84 Resp: 570465

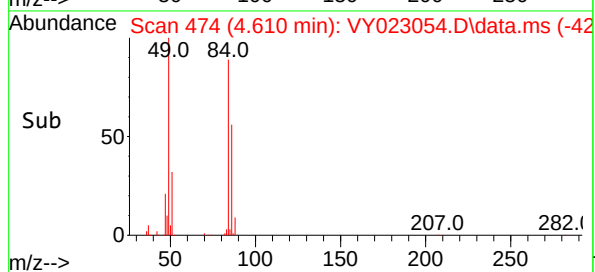
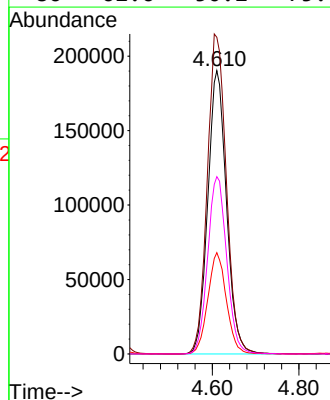
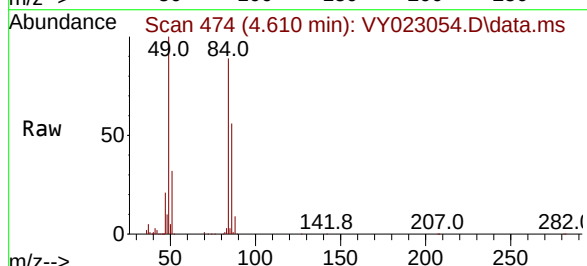
Ion Ratio Lower Upper

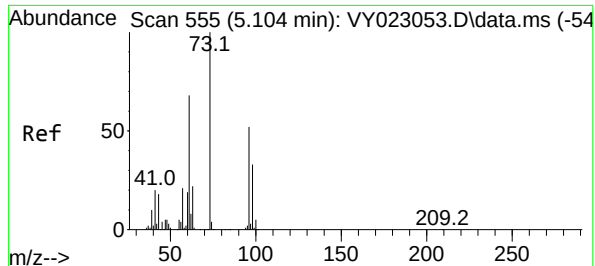
84 100

49 111.7 93.0 139.6

51 35.7 29.0 43.4

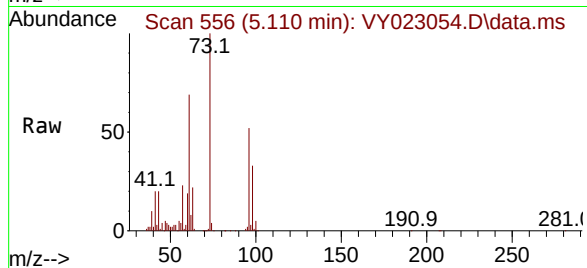
86 62.6 50.2 75.4





#21
trans-1,2-Dichloroethene
Concen: 96.098 ug/l
RT: 5.110 min Scan# 5110
Delta R.T. 0.006 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

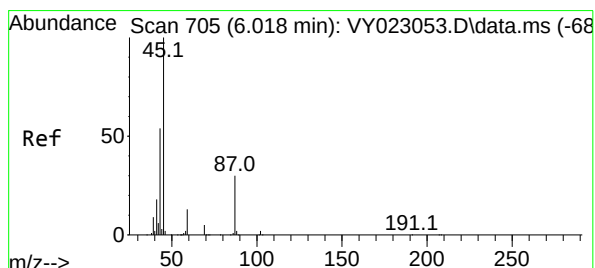
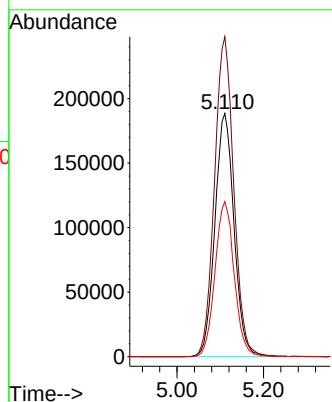
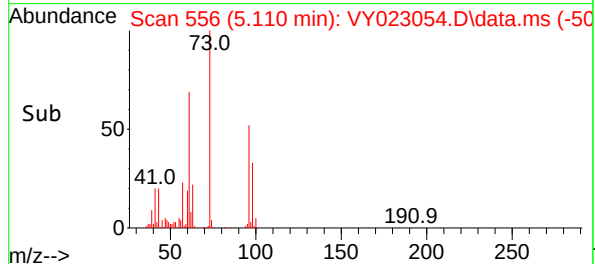
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100



Tgt Ion: 96 Resp: 580972
Ion Ratio Lower Upper
96 100
61 131.5 104.8 157.2
98 63.8 50.1 75.1

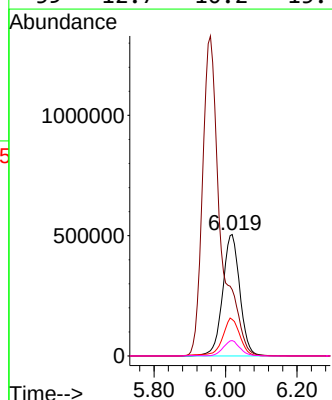
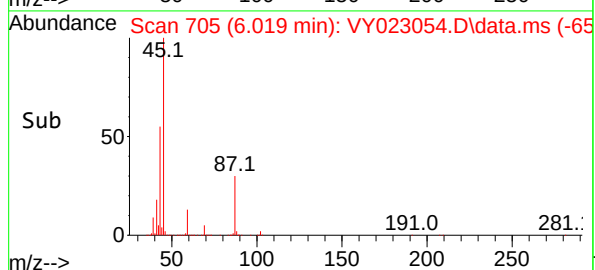
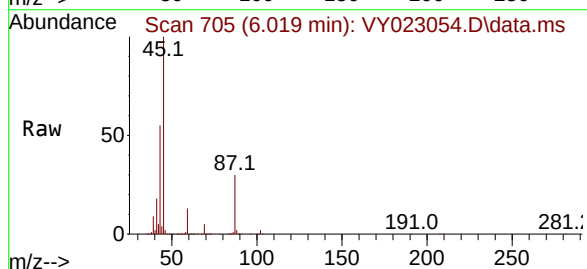
Manual Integrations
APPROVED

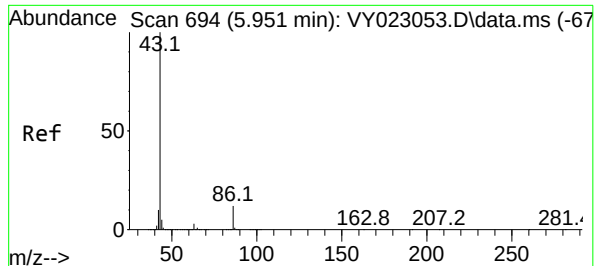
Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025



#22
Diisopropyl ether
Concen: 98.033 ug/l
RT: 6.019 min Scan# 705
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

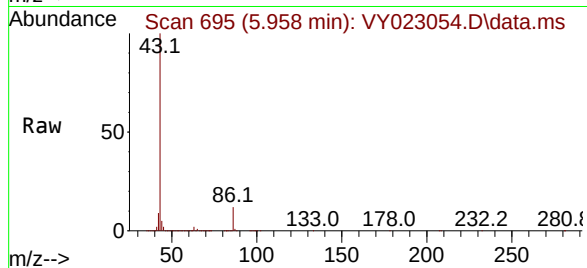
Tgt Ion: 45 Resp: 1686285
Ion Ratio Lower Upper
45 100
43 54.5 43.4 65.0
87 30.0 24.4 36.6
59 12.7 10.2 15.4





#23
Vinyl Acetate
Concen: 487.023 ug/l
RT: 5.958 min Scan# 694
Delta R.T. 0.006 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

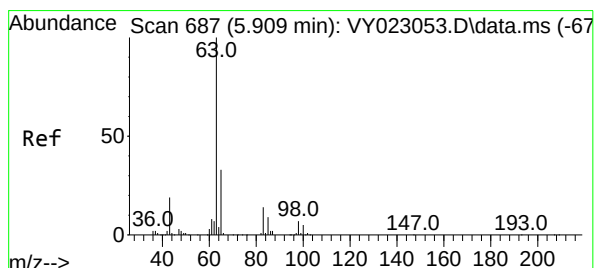
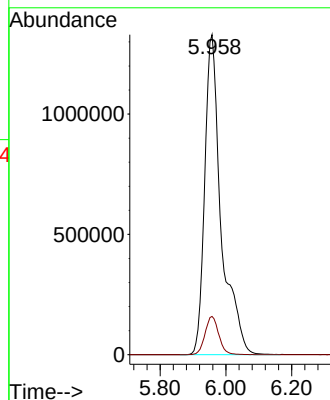
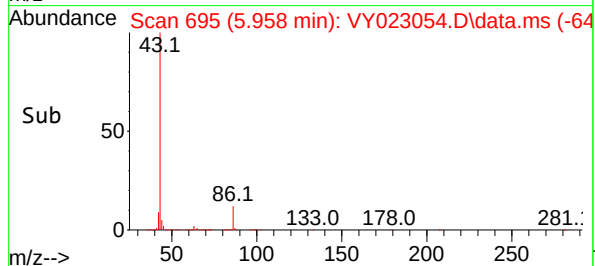
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100



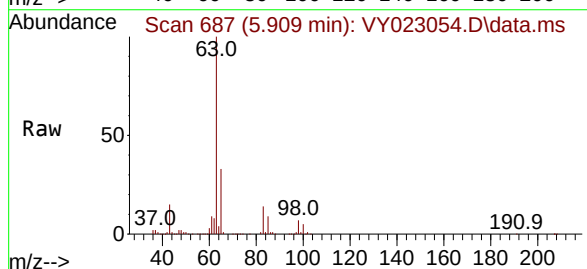
Tgt Ion: 43 Resp: 4632278
Ion Ratio Lower Upper
43 100
86 11.9 9.6 14.4

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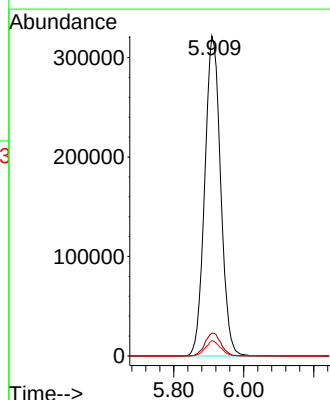
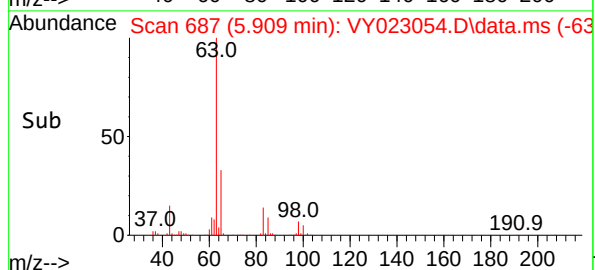
Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025

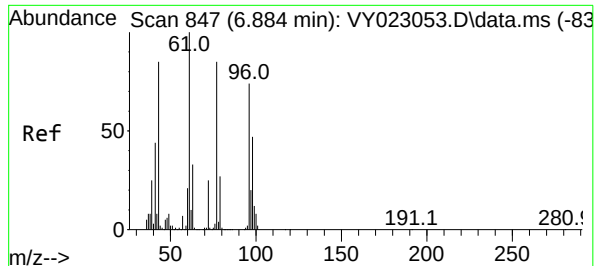


#24
1,1-Dichloroethane
Concen: 96.306 ug/l
RT: 5.909 min Scan# 687
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25



Tgt Ion: 63 Resp: 1012815
Ion Ratio Lower Upper
63 100
98 7.1 3.5 10.6
100 4.8 2.4 7.1





#25

2-Butanone

Concen: 460.899 ug/l

RT: 6.890 min Scan# 847

Delta R.T. 0.006 min

Lab File: VY023054.D

Acq: 12 Aug 2025 16:25

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tgt Ion: 43 Resp: 72255

Ion Ratio Lower Upper

43 100

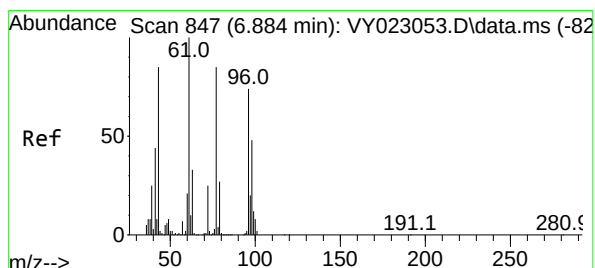
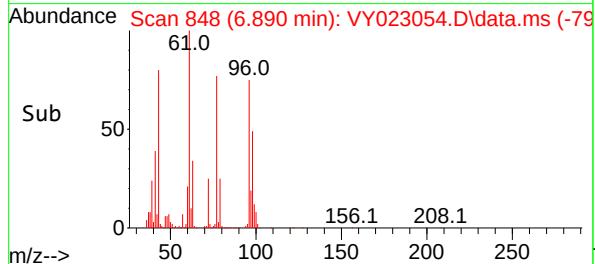
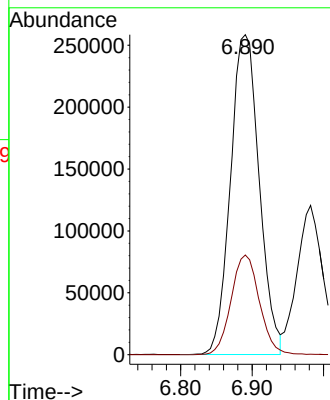
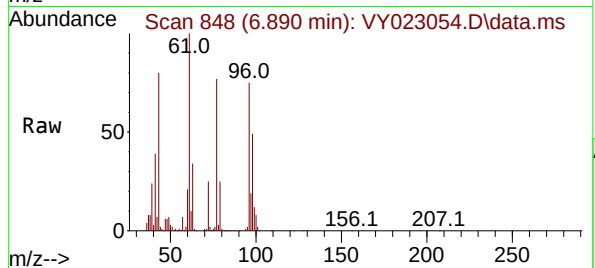
72 31.2 23.5 35.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025

Supervised By :Semsettin Yesilyurt 08/14/2025



#26

2,2-Dichloropropane

Concen: 95.497 ug/l

RT: 6.878 min Scan# 846

Delta R.T. -0.006 min

Lab File: VY023054.D

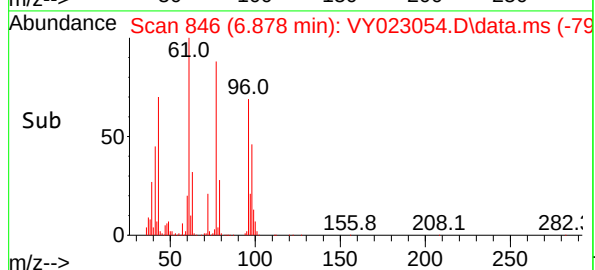
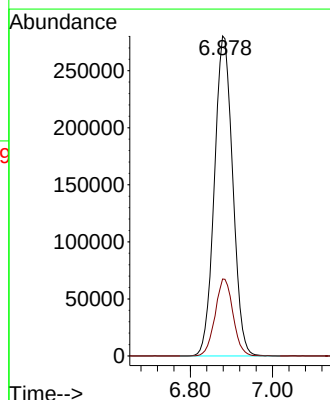
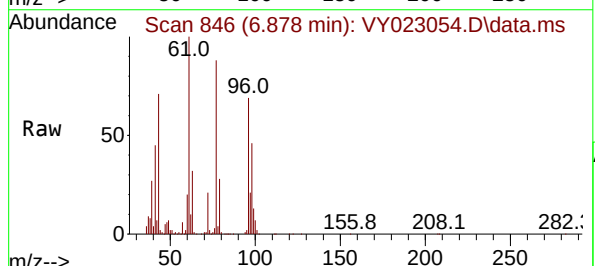
Acq: 12 Aug 2025 16:25

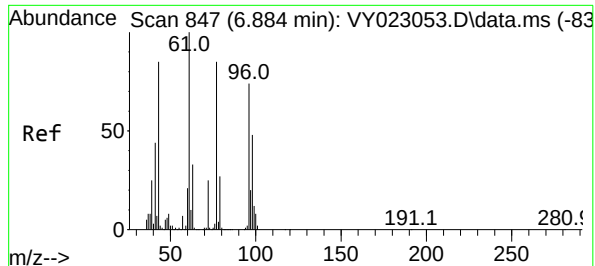
Tgt Ion: 77 Resp: 866598

Ion Ratio Lower Upper

77 100

97 23.6 11.6 34.8





#27

cis-1,2-Dichloroethene

Concen: 97.472 ug/l

RT: 6.884 min Scan# 847

Delta R.T. 0.000 min

Lab File: VY023054.D

Acq: 12 Aug 2025 16:25

Instrument :

MSVOA_Y

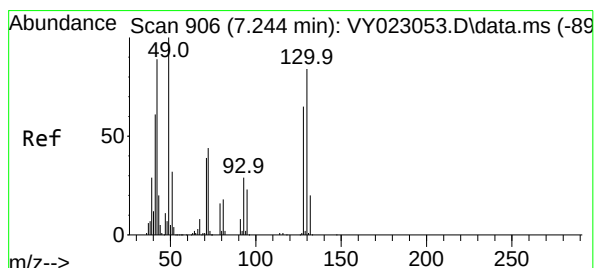
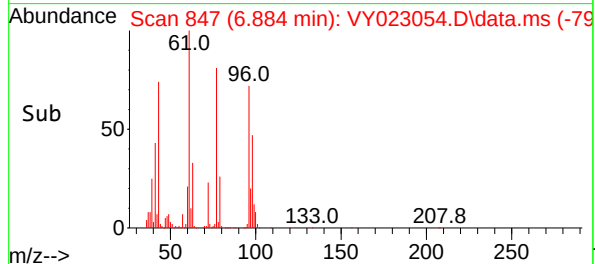
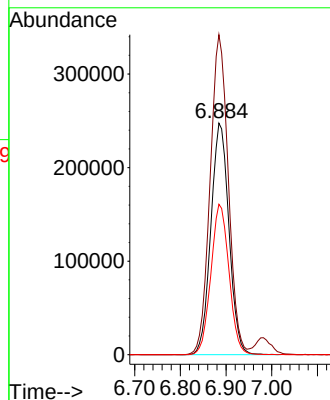
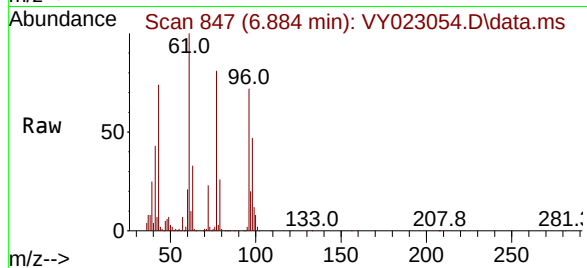
ClientSampleId :

VSTDICC100

Tgt Ion:	96	Resp:	68124
Ion	Ratio	Lower	Upper
96	100		
61	138.6	0.0	278.6
98	65.0	0.0	130.4

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025



#28

Bromochloromethane

Concen: 98.188 ug/l

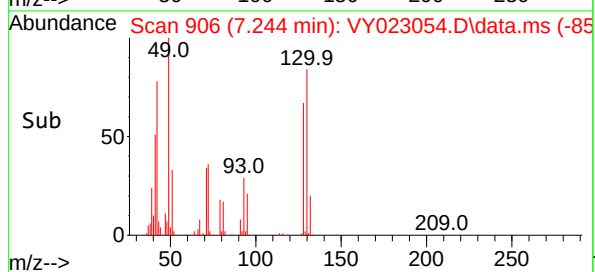
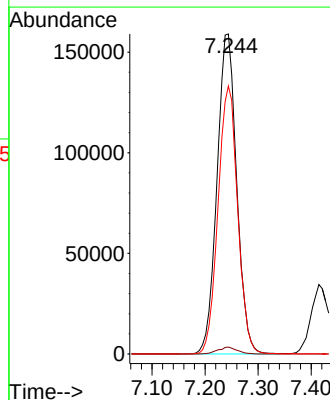
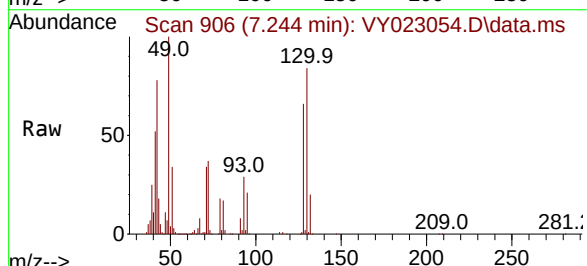
RT: 7.244 min Scan# 906

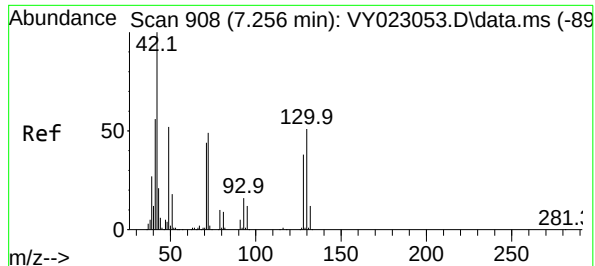
Delta R.T. 0.000 min

Lab File: VY023054.D

Acq: 12 Aug 2025 16:25

Tgt Ion:	49	Resp:	409677
Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.2
130	83.4	66.4	99.6





#29

Tetrahydrofuran

Concen: 464.370 ug/l

RT: 7.256 min Scan# 908

Delta R.T. 0.000 min

Lab File: VY023054.D

Acq: 12 Aug 2025 16:25

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tgt Ion: 42 Resp: 451254

Ion Ratio Lower Upper

42 100

72 49.4 39.4 59.2

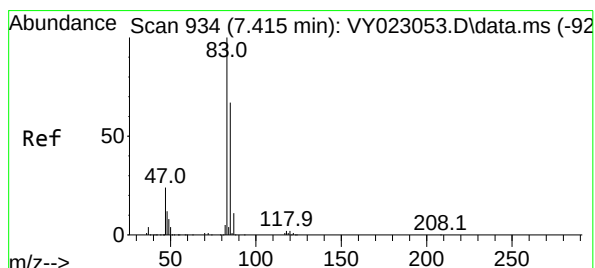
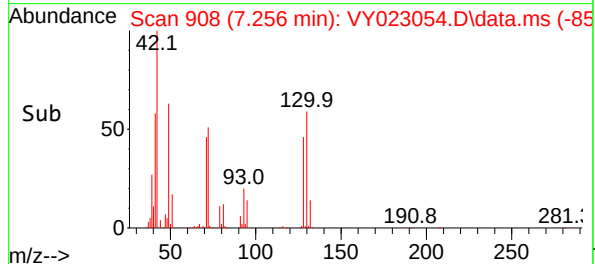
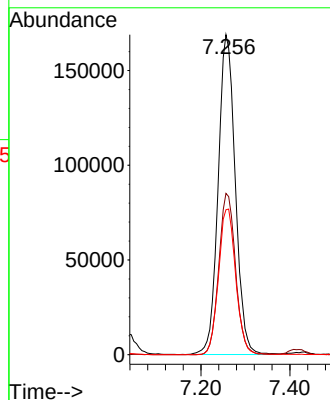
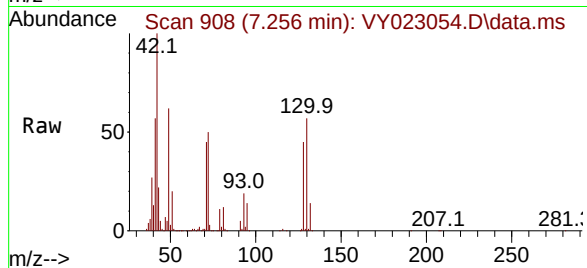
71 45.8 36.5 54.7

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025

Supervised By :Semsettin Yesilyurt 08/14/2025



#30

Chloroform

Concen: 96.383 ug/l

RT: 7.415 min Scan# 934

Delta R.T. 0.000 min

Lab File: VY023054.D

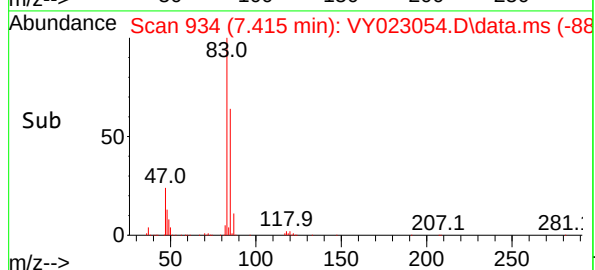
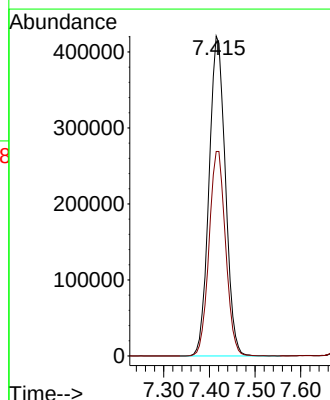
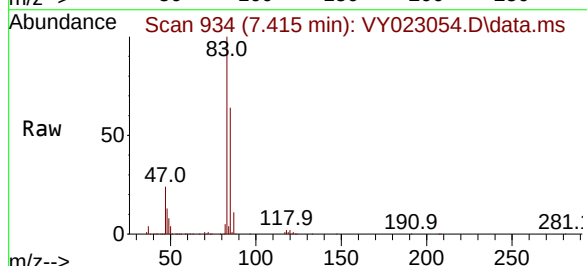
Acq: 12 Aug 2025 16:25

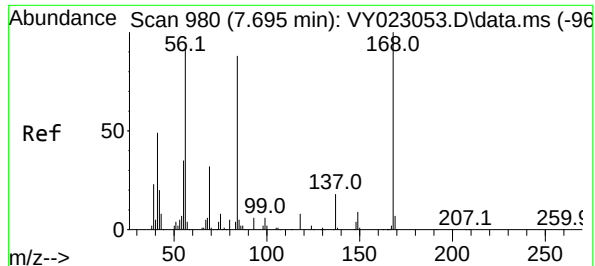
Tgt Ion: 83 Resp: 1045381

Ion Ratio Lower Upper

83 100

85 63.9 53.8 80.8





#31

Cyclohexane

Concen: 89.271 ug/l

RT: 7.695 min Scan# 980

Delta R.T. 0.000 min

Lab File: VY023054.D

Acq: 12 Aug 2025 16:25

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

Tgt Ion: 56 Resp: 88470

Ion Ratio Lower Upper

56 100

69 32.3 28.2 42.2

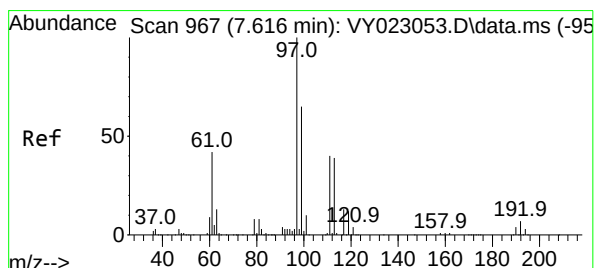
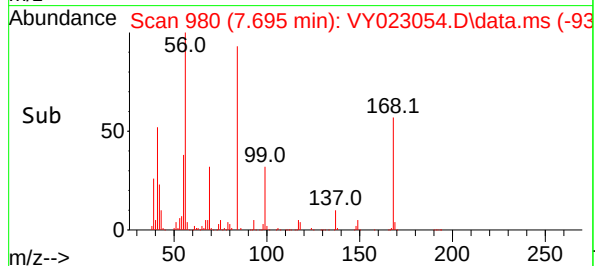
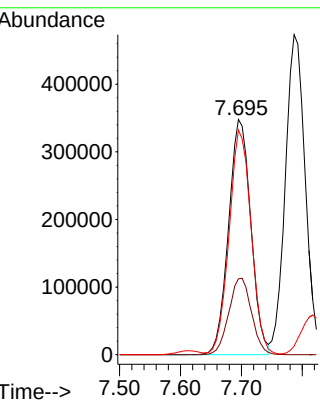
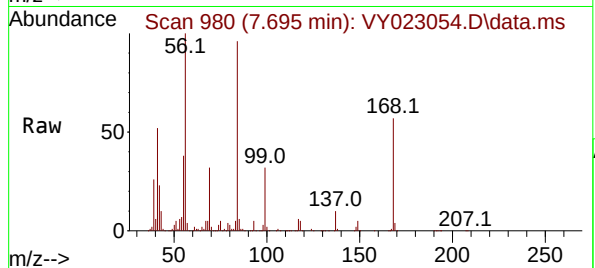
84 95.2 76.6 114.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025

Supervised By :Semsettin Yesilyurt 08/14/2025



#32

1,1,1-Trichloroethane

Concen: 96.620 ug/l

RT: 7.610 min Scan# 966

Delta R.T. -0.006 min

Lab File: VY023054.D

Acq: 12 Aug 2025 16:25

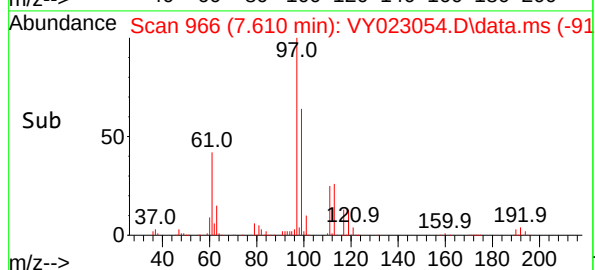
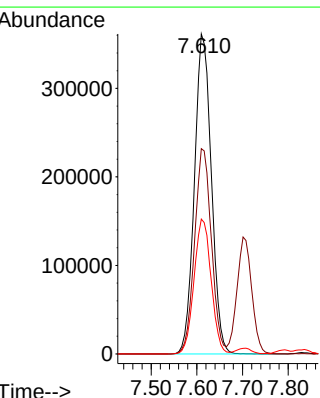
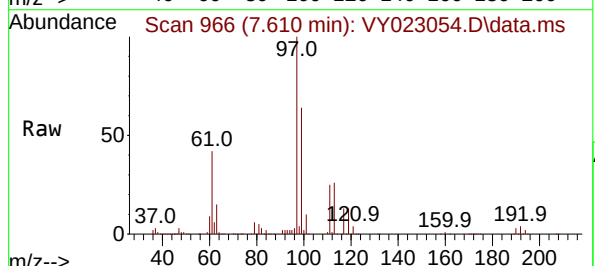
Tgt Ion: 97 Resp: 929858

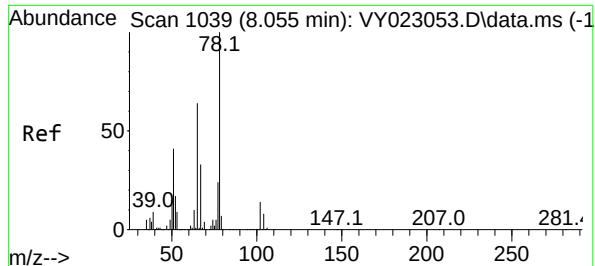
Ion Ratio Lower Upper

97 100

99 63.9 51.6 77.4

61 42.5 34.2 51.2





#33

1,2-Dichloroethane-d4

Concen: 99.115 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. 0.006 min

Lab File: VY023054.D

Acq: 12 Aug 2025 16:25

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

Tgt Ion: 65 Resp: 527350

Ion Ratio Lower Upper

65 100

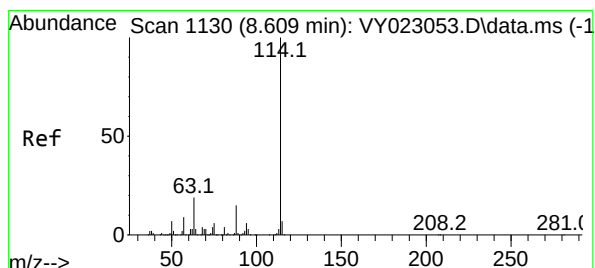
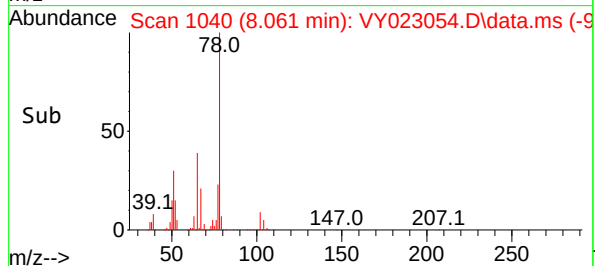
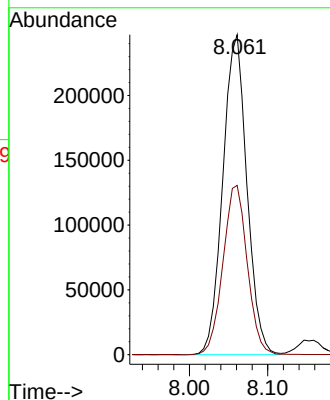
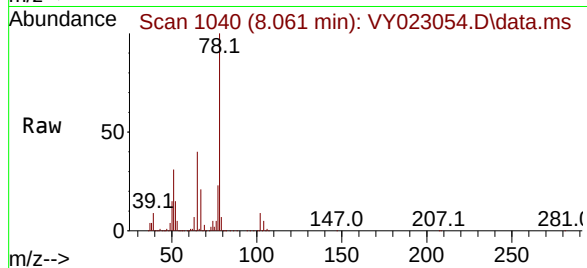
67 53.5 0.0 106.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025

Supervised By :Semsettin Yesilyurt 08/14/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.610 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VY023054.D

Acq: 12 Aug 2025 16:25

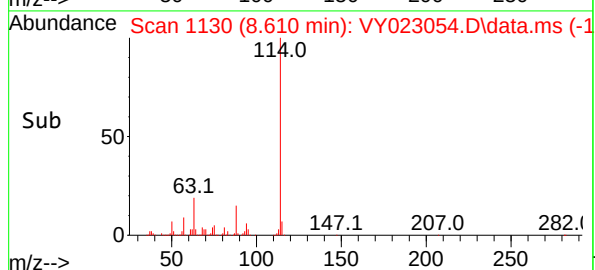
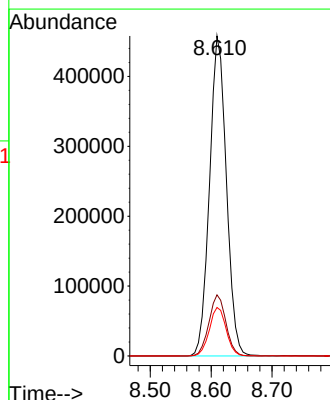
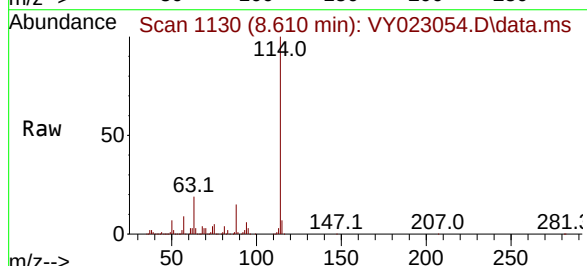
Tgt Ion:114 Resp: 880463

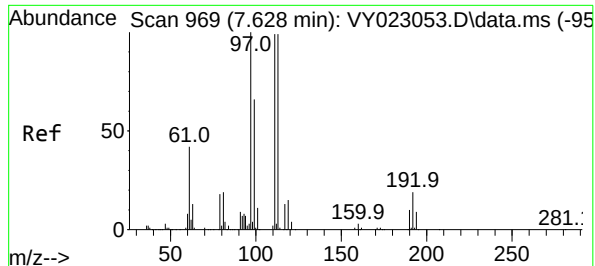
Ion Ratio Lower Upper

114 100

63 19.1 0.0 38.4

88 15.2 0.0 30.0





#35

Dibromofluoromethane

Concen: 102.518 ug/l

RT: 7.628 min Scan# 969

Delta R.T. 0.000 min

Lab File: VY023054.D

Acq: 12 Aug 2025 16:25

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

Tgt Ion:113 Resp: 540100

Ion Ratio Lower Upper

113 100

111 102.6 81.1 121.7

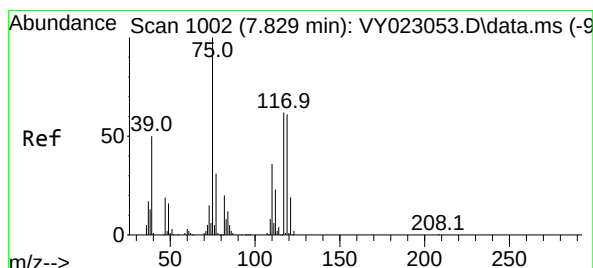
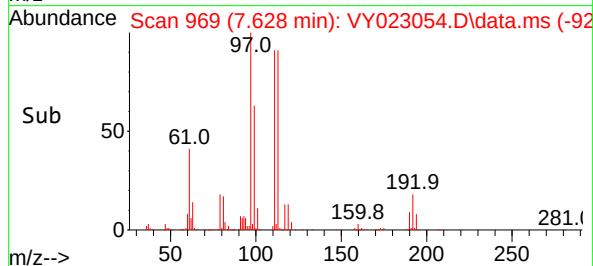
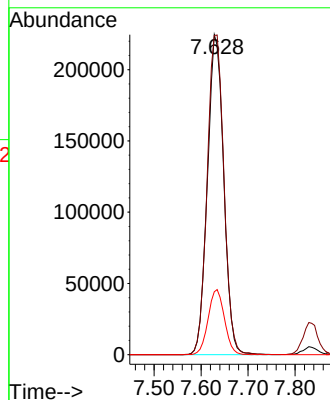
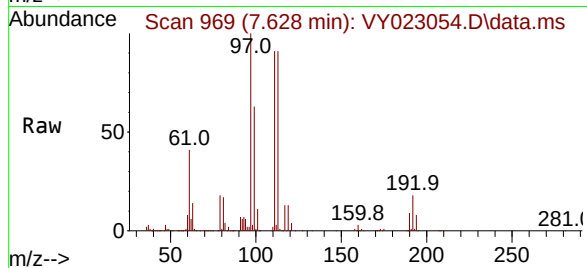
192 20.4 16.2 24.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025

Supervised By :Semsettin Yesilyurt 08/14/2025



#36

1,1-Dichloropropene

Concen: 96.443 ug/l

RT: 7.829 min Scan# 1002

Delta R.T. 0.000 min

Lab File: VY023054.D

Acq: 12 Aug 2025 16:25

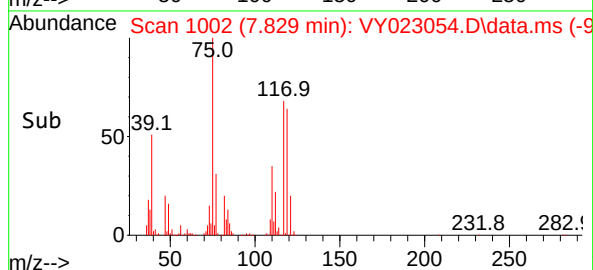
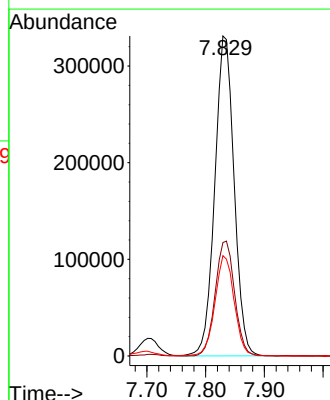
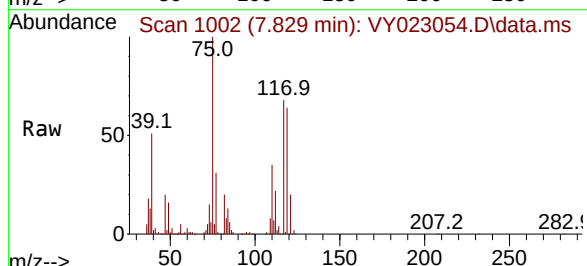
Tgt Ion: 75 Resp: 755114

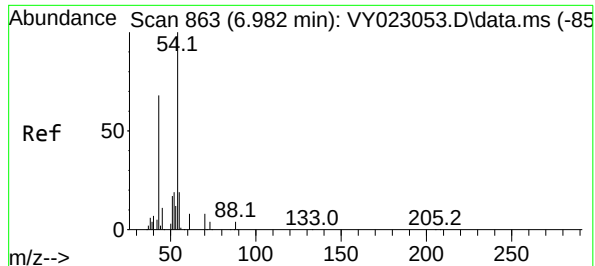
Ion Ratio Lower Upper

75 100

110 36.1 18.1 54.4

77 31.3 24.6 37.0





#37

Ethyl Acetate

Concen: 95.302 ug/l

RT: 6.982 min Scan# 80

Delta R.T. 0.000 min

Lab File: VY023054.D

Acq: 12 Aug 2025 16:25

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

Tgt Ion: 43 Resp: 31344

Ion Ratio Lower Upper

43 100

61 14.1 11.9 17.9

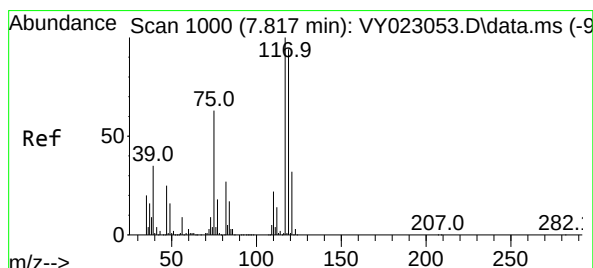
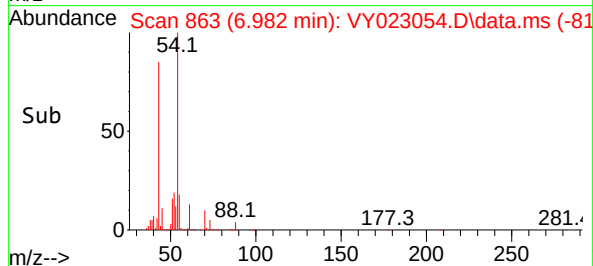
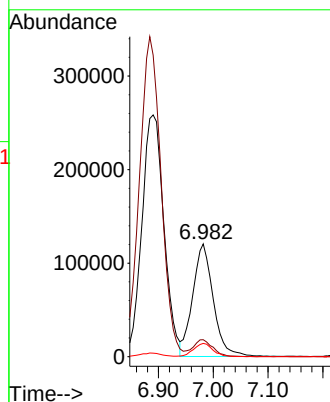
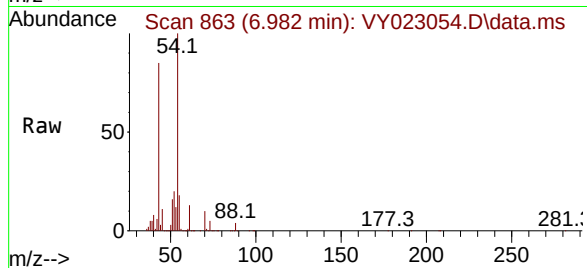
70 11.2 8.8 13.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025

Supervised By :Semsettin Yesilyurt 08/14/2025



#38

Carbon Tetrachloride

Concen: 96.419 ug/l

RT: 7.811 min Scan# 999

Delta R.T. -0.006 min

Lab File: VY023054.D

Acq: 12 Aug 2025 16:25

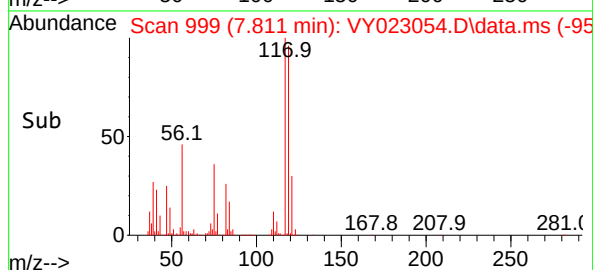
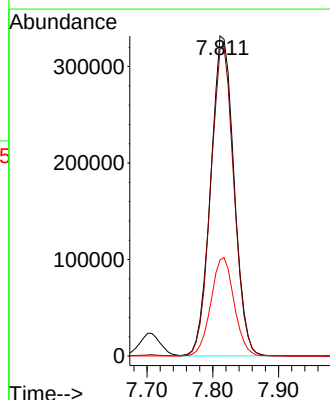
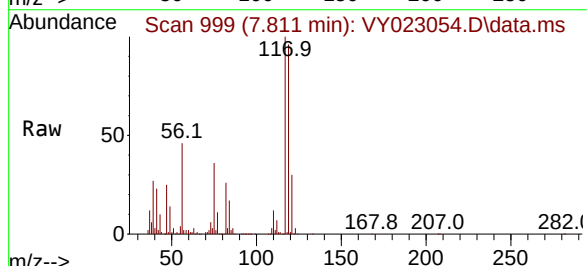
Tgt Ion:117 Resp: 819941

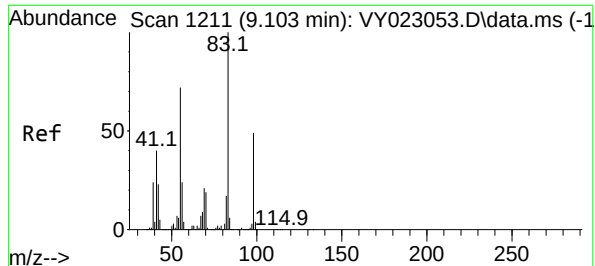
Ion Ratio Lower Upper

117 100

119 95.8 75.6 113.4

121 30.0 25.8 38.8





#39

Methylcyclohexane

Concen: 98.146 ug/l

RT: 9.103 min Scan# 1011

Delta R.T. 0.000 min

Lab File: VY023054.D

Acq: 12 Aug 2025 16:25

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

Tgt Ion: 83 Resp: 1011944

Ion Ratio Lower Upper

83 100

55 70.9 57.6 86.4

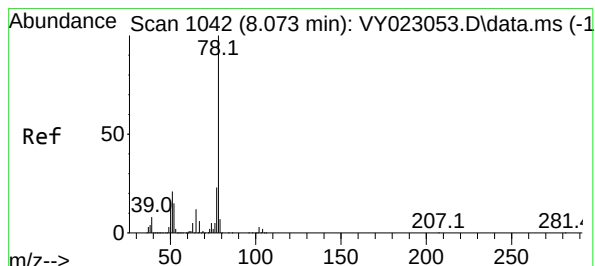
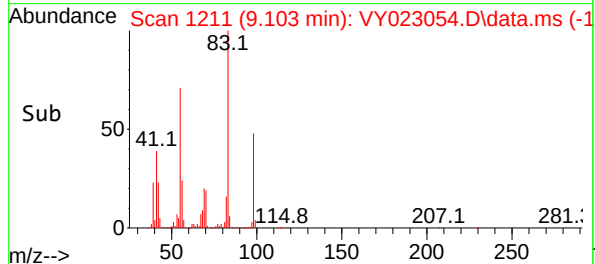
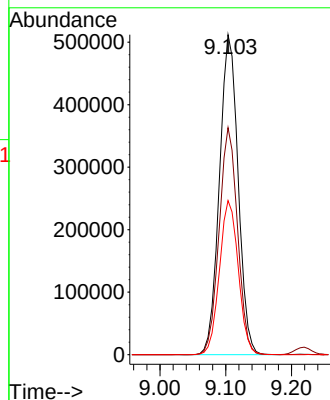
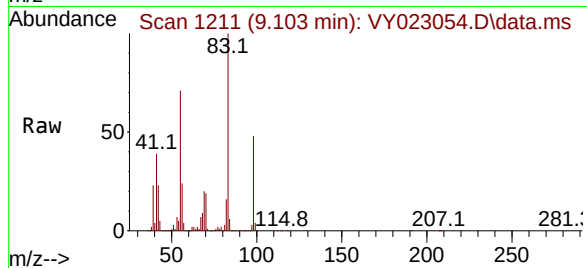
98 48.2 39.2 58.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025

Supervised By :Semsettin Yesilyurt 08/14/2025



#40

Benzene

Concen: 97.324 ug/l

RT: 8.073 min Scan# 1042

Delta R.T. 0.000 min

Lab File: VY023054.D

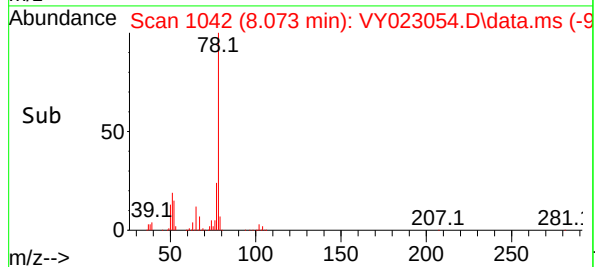
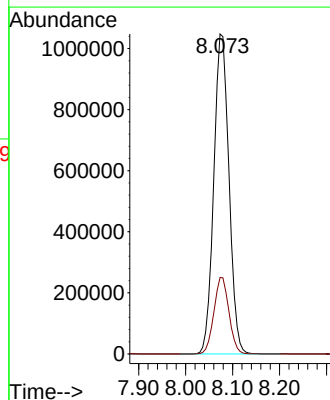
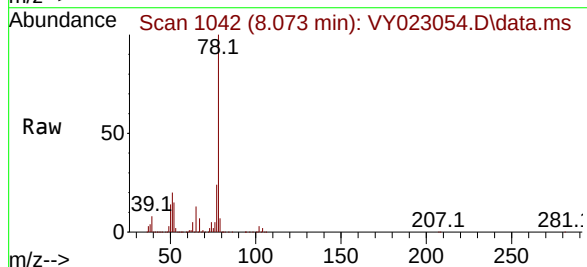
Acq: 12 Aug 2025 16:25

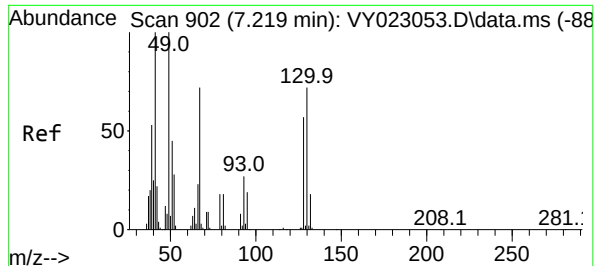
Tgt Ion: 78 Resp: 2348617

Ion Ratio Lower Upper

78 100

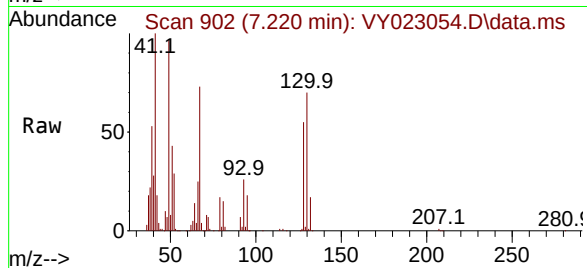
77 23.9 18.6 28.0





#41
Methacrylonitrile
Concen: 94.973 ug/l
RT: 7.220 min Scan# 902
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

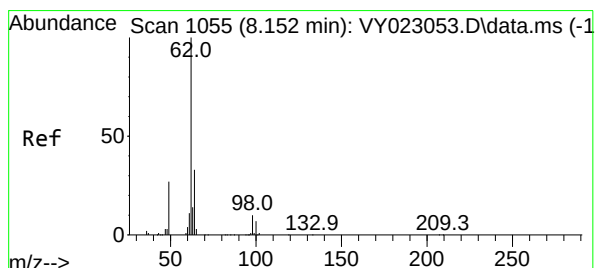
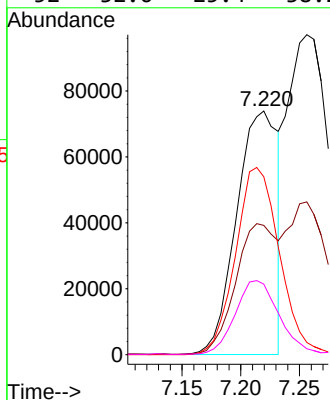
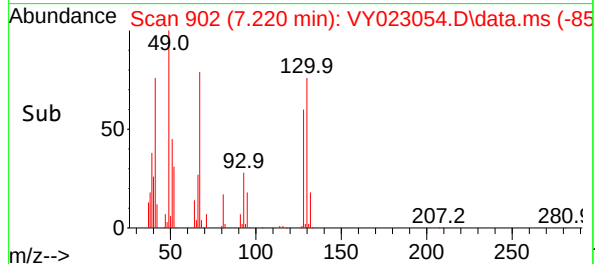
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100



Tgt Ion: 41 Resp: 180468
Ion Ratio Lower Upper
41 100
39 53.8 43.4 65.2
67 82.3 63.6 95.4
52 32.6 25.4 38.2

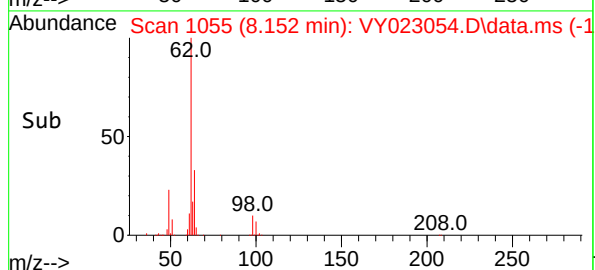
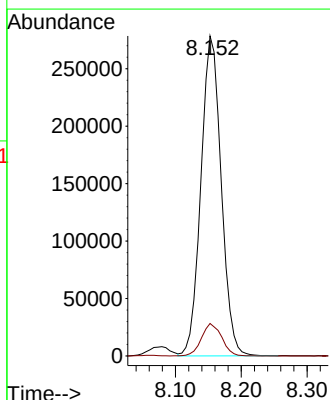
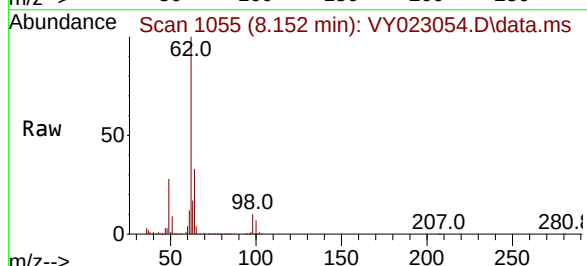
Manual Integrations
APPROVED

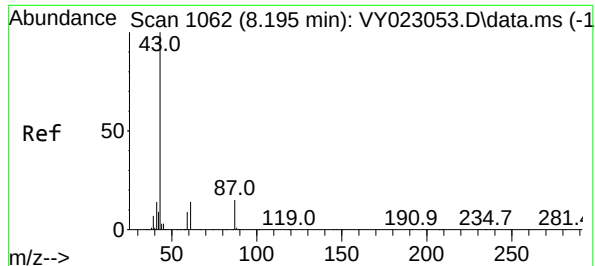
Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025



#42
1,2-Dichloroethane
Concen: 95.155 ug/l
RT: 8.152 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion: 62 Resp: 597215
Ion Ratio Lower Upper
62 100
98 10.1 0.0 20.6





#43

Isopropyl Acetate

Concen: 95.780 ug/l

RT: 8.195 min Scan# 1062

Delta R.T. 0.000 min

Lab File: VY023054.D

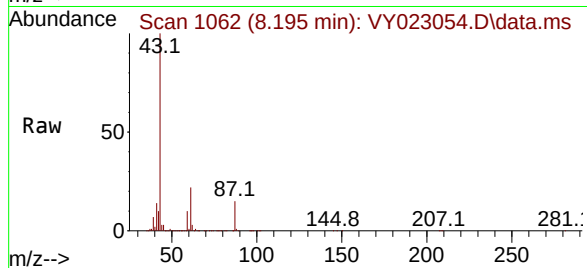
Acq: 12 Aug 2025 16:25

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100



Tgt Ion: 43 Resp: 636710

Ion Ratio Lower Upper

43 100

61 21.0 16.4 24.6

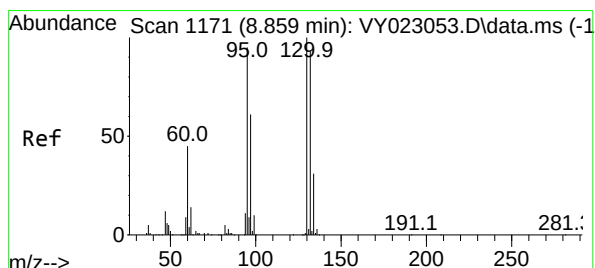
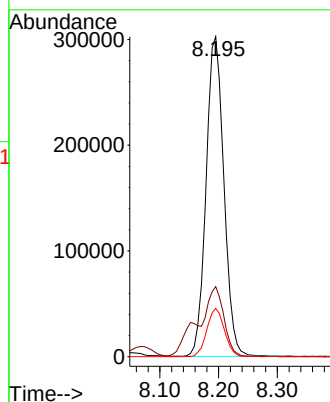
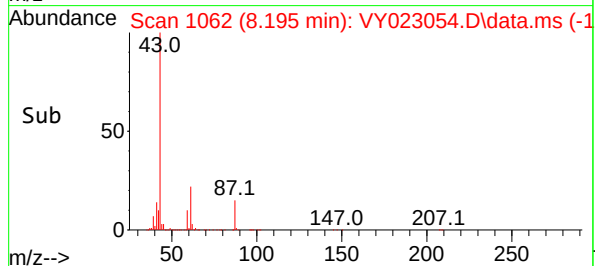
87 14.9 11.8 17.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025

Supervised By :Semsettin Yesilyurt 08/14/2025



#44

Trichloroethene

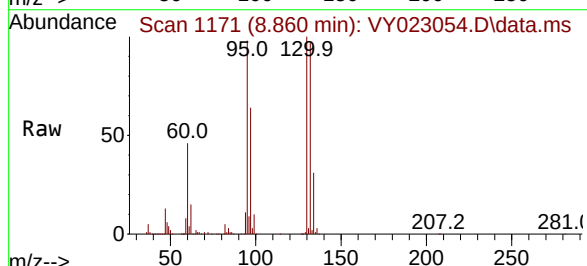
Concen: 96.584 ug/l

RT: 8.860 min Scan# 1171

Delta R.T. 0.000 min

Lab File: VY023054.D

Acq: 12 Aug 2025 16:25

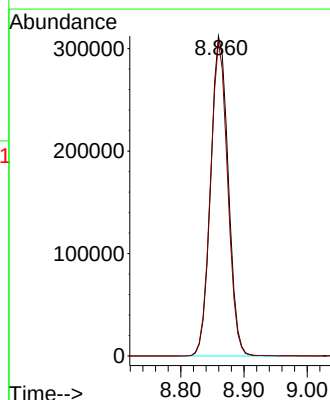
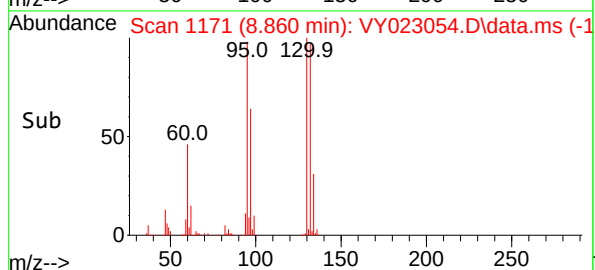


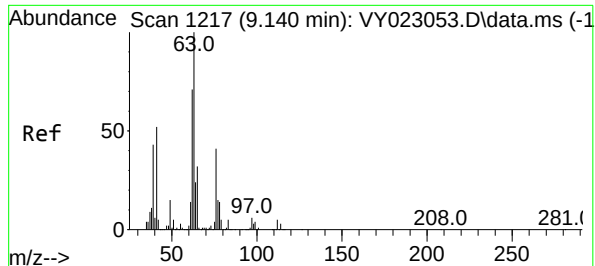
Tgt Ion:130 Resp: 602322

Ion Ratio Lower Upper

130 100

95 98.1 0.0 190.2





#45

1,2-Dichloropropane

Concen: 97.899 ug/l

RT: 9.140 min Scan# 1217

Delta R.T. 0.000 min

Lab File: VY023054.D

Acq: 12 Aug 2025 16:25

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

Tgt Ion: 63 Resp: 543589

Ion Ratio Lower Upper

63 100

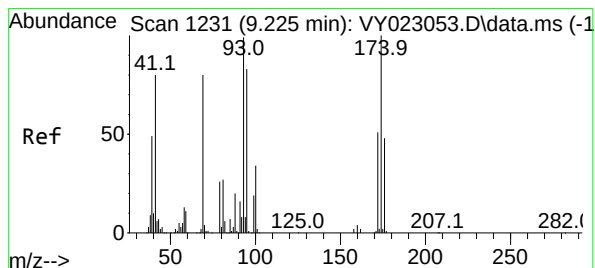
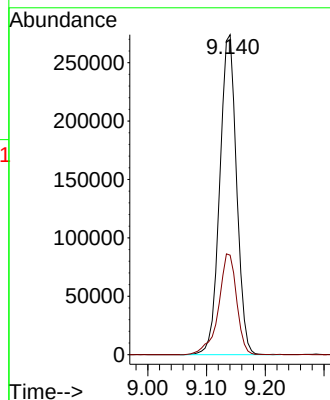
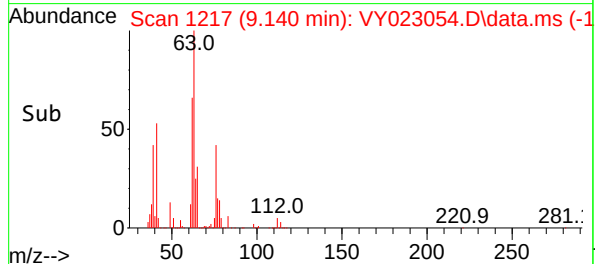
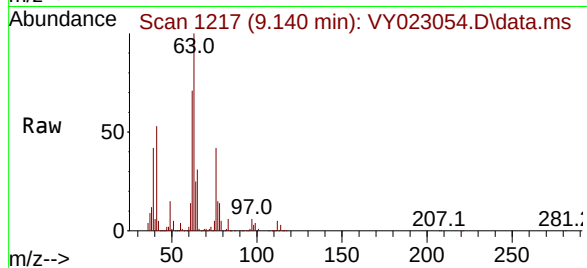
65 31.1 25.3 37.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025

Supervised By :Semsettin Yesilyurt 08/14/2025



#46

Dibromomethane

Concen: 97.052 ug/l

RT: 9.225 min Scan# 1231

Delta R.T. 0.000 min

Lab File: VY023054.D

Acq: 12 Aug 2025 16:25

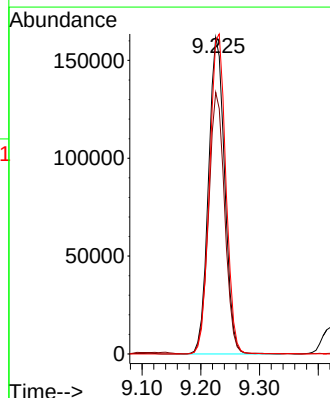
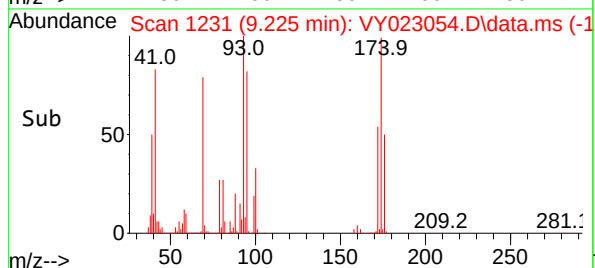
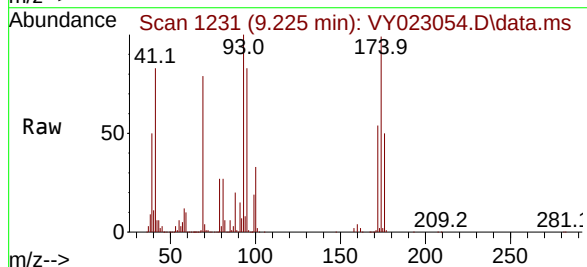
Tgt Ion: 93 Resp: 309302

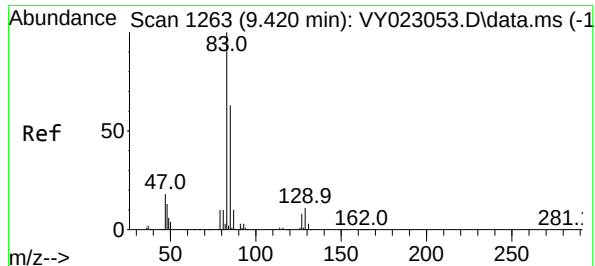
Ion Ratio Lower Upper

93 100

95 81.8 66.5 99.7

174 101.9 81.8 122.8





#47

Bromodichloromethane

Concen: 97.864 ug/l

RT: 9.420 min Scan# 1263

Delta R.T. 0.000 min

Lab File: VY023054.D

Acq: 12 Aug 2025 16:25

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tgt Ion: 83 Resp: 80253

Ion Ratio Lower Upper

83 100

85 64.5 50.2 75.4

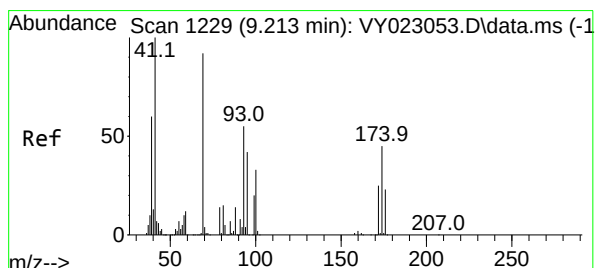
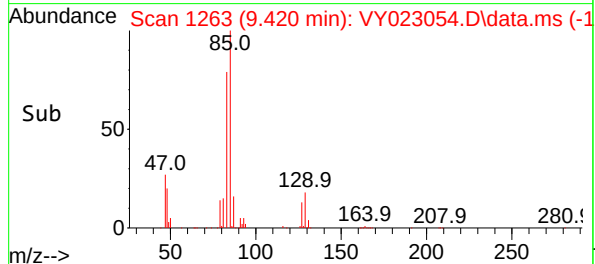
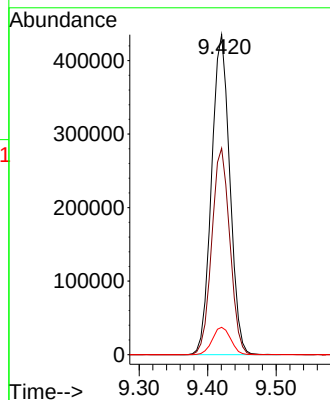
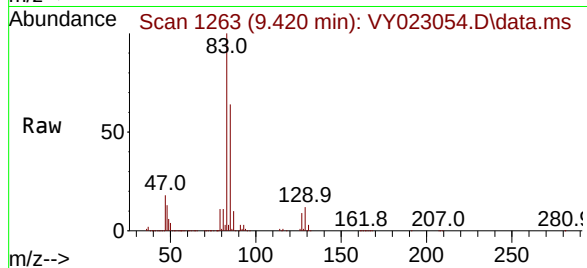
127 8.5 6.6 10.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025

Supervised By :Semsettin Yesilyurt 08/14/2025



#48

Methyl methacrylate

Concen: 100.567 ug/l

RT: 9.219 min Scan# 1230

Delta R.T. 0.006 min

Lab File: VY023054.D

Acq: 12 Aug 2025 16:25

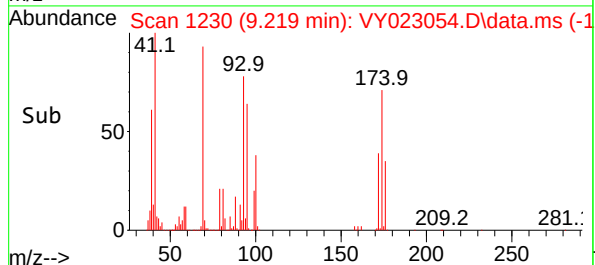
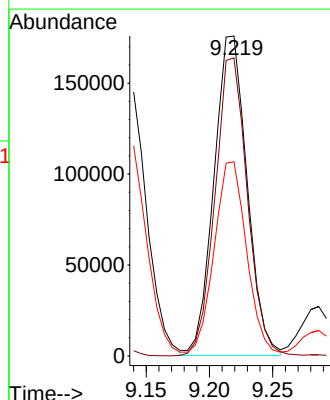
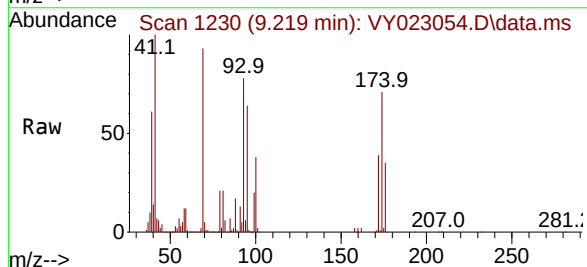
Tgt Ion: 41 Resp: 319906

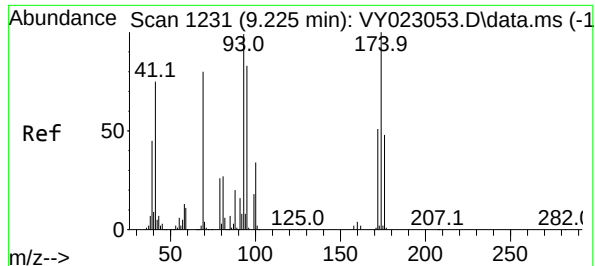
Ion Ratio Lower Upper

41 100

69 91.4 73.2 109.8

39 57.6 47.0 70.4





#49

1,4-Dioxane

Concen: 1908.039 ug/l

RT: 9.225 min Scan# 1231

Delta R.T. 0.000 min

Lab File: VY023054.D

Acq: 12 Aug 2025 16:25

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

Tgt Ion: 88 Resp: 71300

Ion Ratio Lower Upper

88 100

43 30.6 24.3 36.5

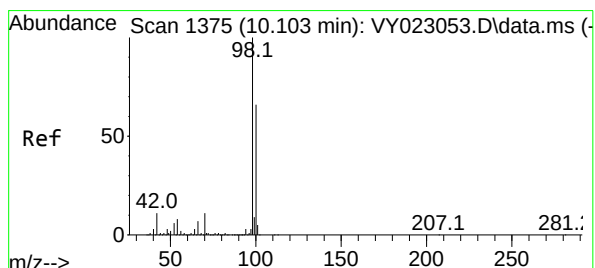
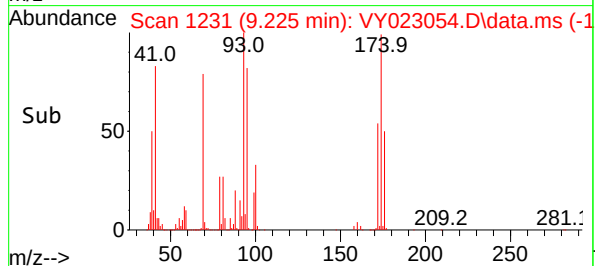
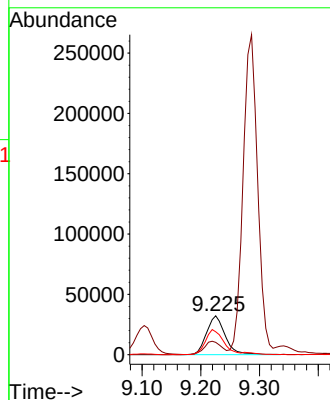
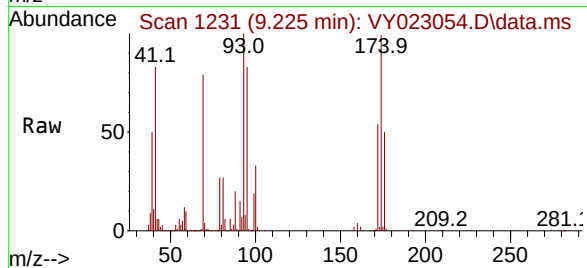
58 62.4 55.4 83.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025

Supervised By :Semsettin Yesilyurt 08/14/2025



#50

Toluene-d8

Concen: 102.832 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. 0.000 min

Lab File: VY023054.D

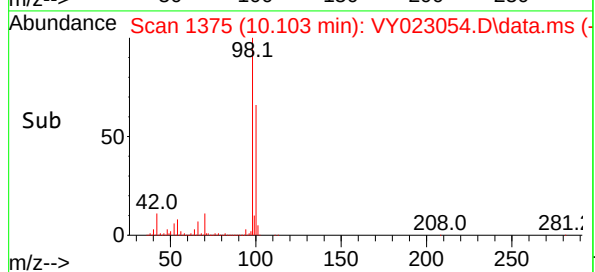
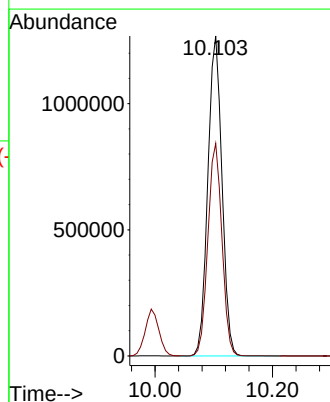
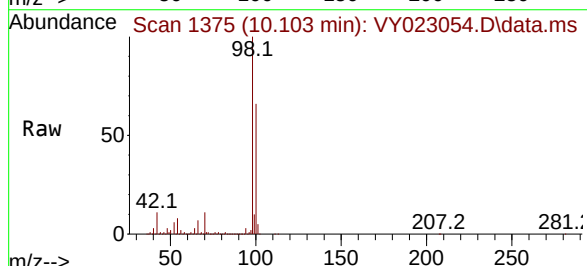
Acq: 12 Aug 2025 16:25

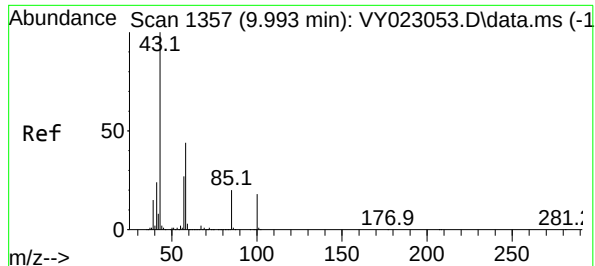
Tgt Ion: 98 Resp: 2116445

Ion Ratio Lower Upper

98 100

100 66.1 52.3 78.5





#51

4-Methyl-2-Pentanone

Concen: 486.924 ug/l

RT: 9.994 min Scan# 1357

Delta R.T. 0.000 min

Lab File: VY023054.D

Acq: 12 Aug 2025 16:25

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

Tgt Ion: 43 Resp: 166966

Ion Ratio Lower Upper

43 100

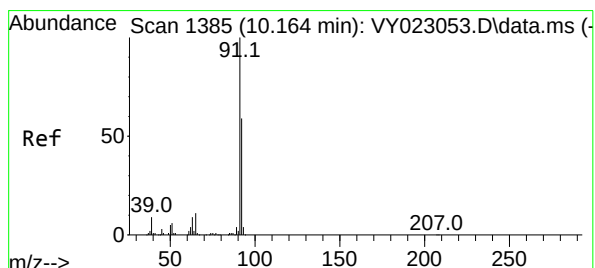
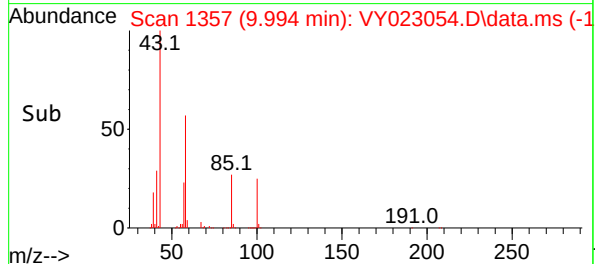
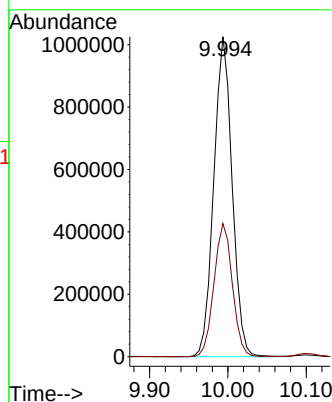
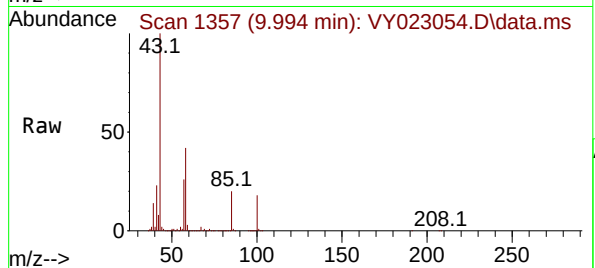
58 41.8 33.5 50.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025

Supervised By :Semsettin Yesilyurt 08/14/2025



#52

Toluene

Concen: 100.288 ug/l

RT: 10.164 min Scan# 1385

Delta R.T. 0.000 min

Lab File: VY023054.D

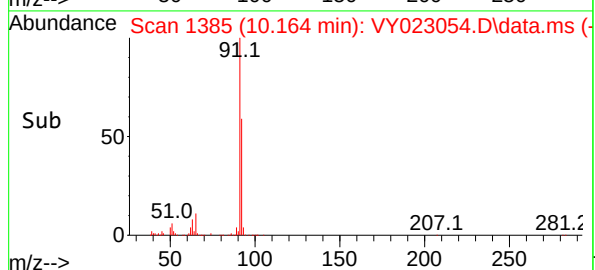
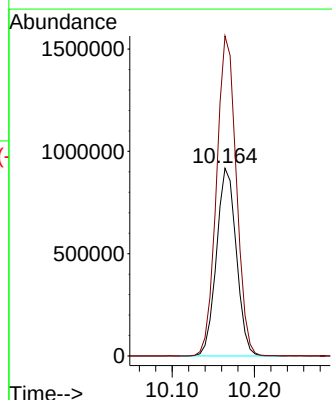
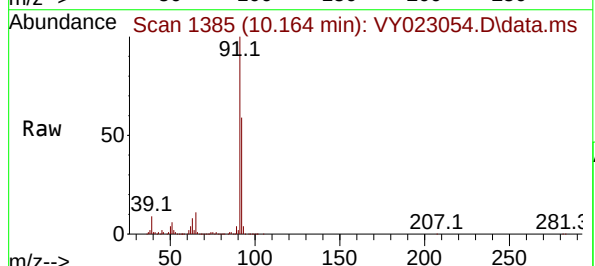
Acq: 12 Aug 2025 16:25

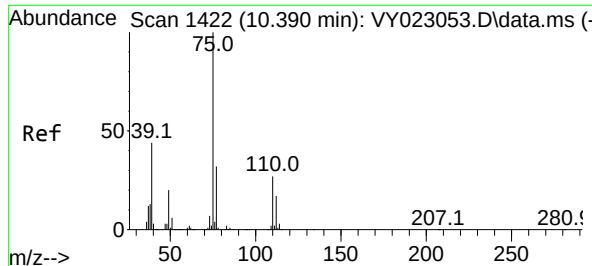
Tgt Ion: 92 Resp: 1537088

Ion Ratio Lower Upper

92 100

91 170.5 136.4 204.6





#53

t-1,3-Dichloropropene

Concen: 101.574 ug/l

RT: 10.390 min Scan# 1422

Delta R.T. 0.000 min

Lab File: VY023054.D

Acq: 12 Aug 2025 16:25

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

Tgt Ion: 75 Resp: 754278

Ion Ratio Lower Upper

75 100

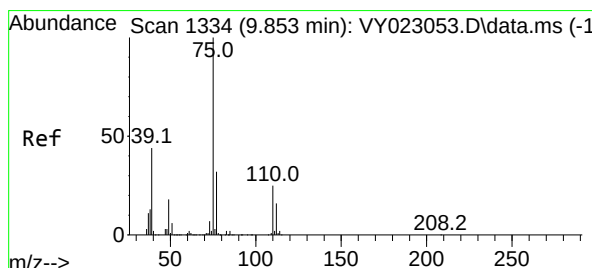
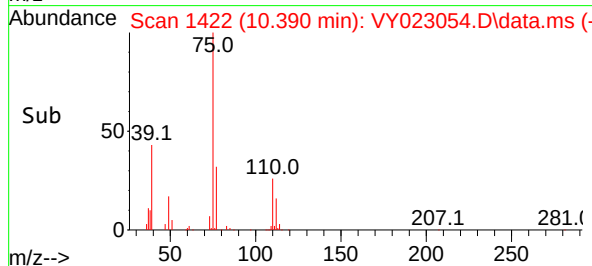
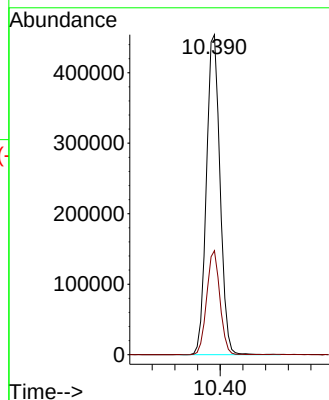
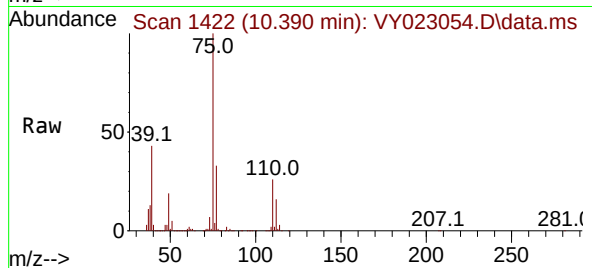
77 32.5 25.7 38.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025

Supervised By :Semsettin Yesilyurt 08/14/2025



#54

cis-1,3-Dichloropropene

Concen: 100.281 ug/l

RT: 9.853 min Scan# 1334

Delta R.T. 0.000 min

Lab File: VY023054.D

Acq: 12 Aug 2025 16:25

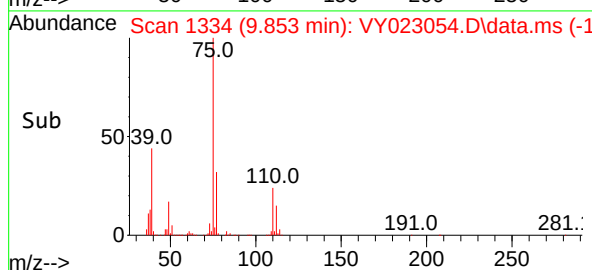
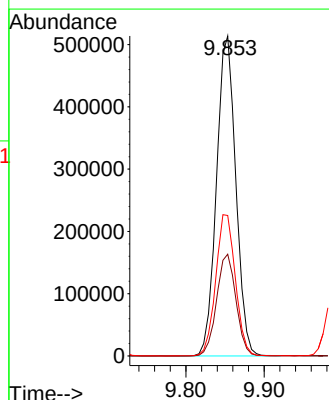
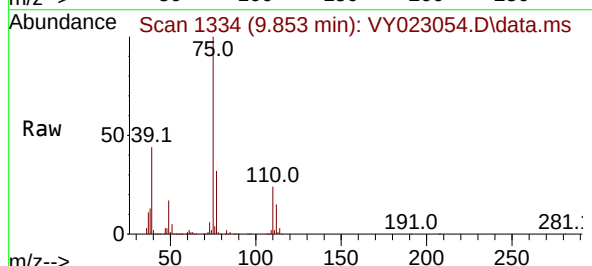
Tgt Ion: 75 Resp: 880571

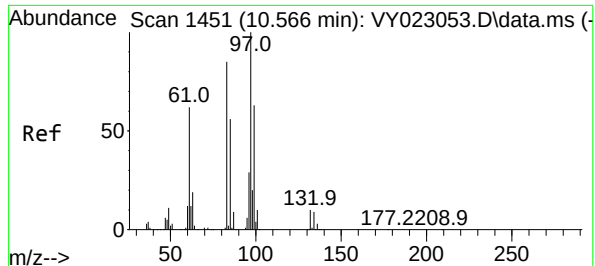
Ion Ratio Lower Upper

75 100

77 31.8 25.4 38.0

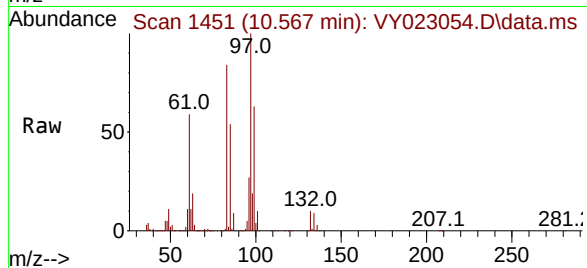
39 43.9 35.6 53.4





#55
1,1,2-Trichloroethane
Concen: 97.446 ug/l
RT: 10.567 min Scan# 1451
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

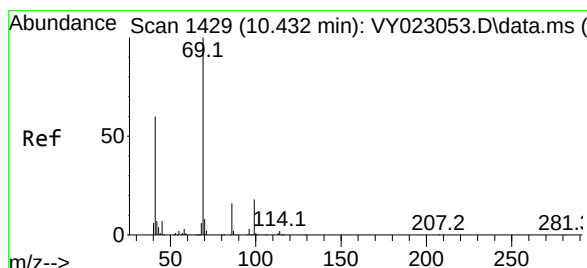
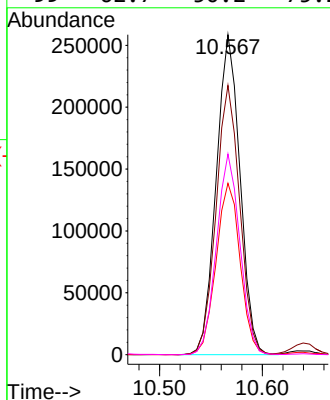
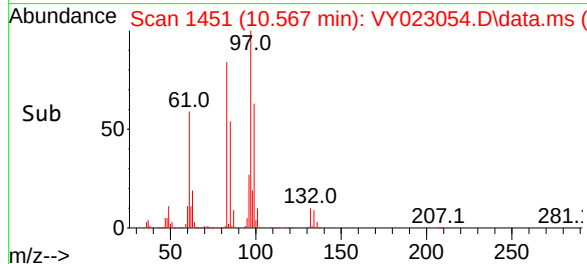
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100



Tgt Ion: 97 Resp: 415556
Ion Ratio Lower Upper
97 100
83 84.2 67.7 101.5
85 53.5 44.5 66.7
99 62.7 50.2 75.2

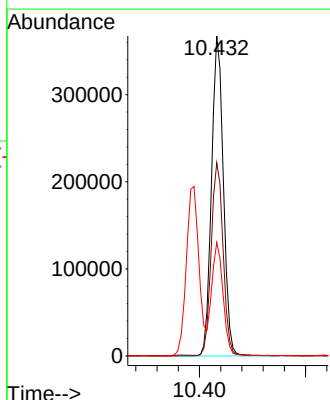
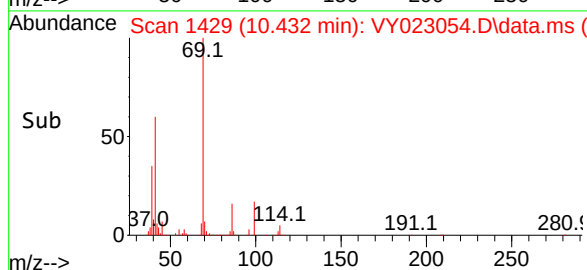
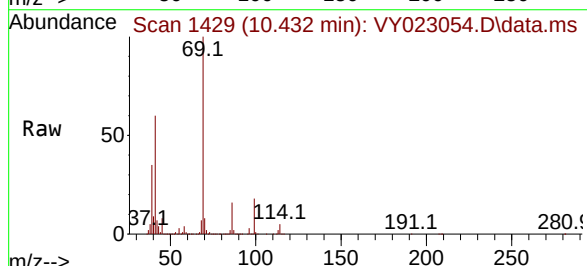
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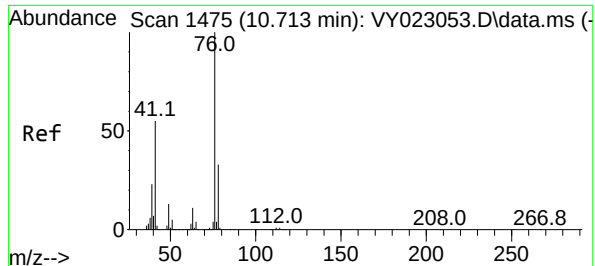
Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025



#56
Ethyl methacrylate
Concen: 104.375 ug/l
RT: 10.432 min Scan# 1429
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion: 69 Resp: 569556
Ion Ratio Lower Upper
69 100
41 60.4 48.6 72.8
39 33.4 27.0 40.4





#57

1,3-Dichloropropane

Concen: 96.253 ug/l

RT: 10.713 min Scan# 1475

Delta R.T. 0.000 min

Lab File: VY023054.D

Acq: 12 Aug 2025 16:25

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tgt Ion: 76 Resp: 696130

Ion Ratio Lower Upper

76 100

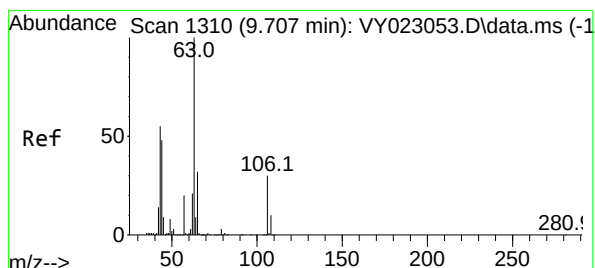
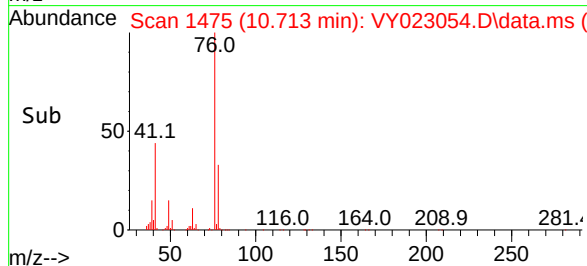
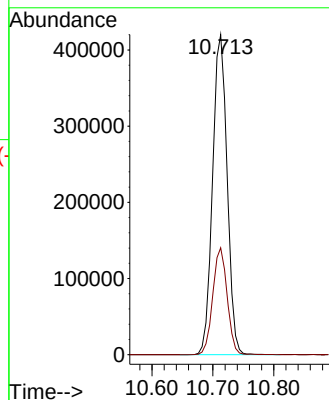
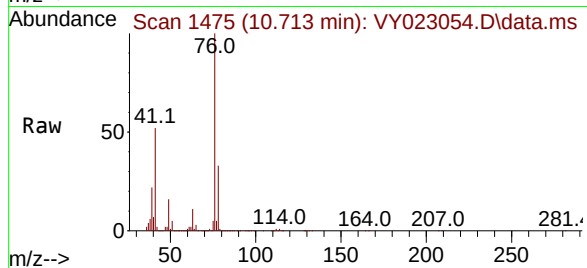
78 33.0 26.0 39.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025

Supervised By :Semsettin Yesilyurt 08/14/2025



#58

2-Chloroethyl Vinyl ether

Concen: 539.957 ug/l

RT: 9.707 min Scan# 1310

Delta R.T. 0.000 min

Lab File: VY023054.D

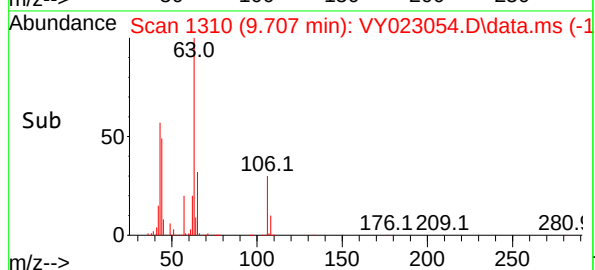
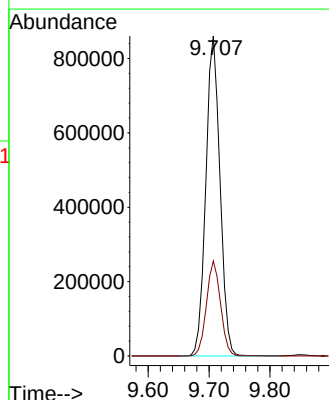
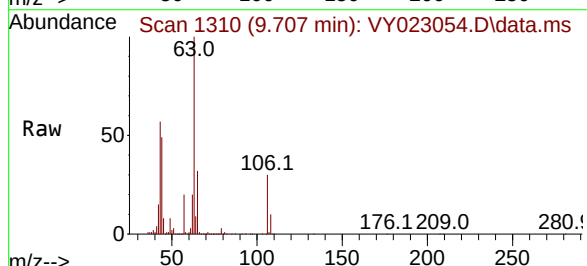
Acq: 12 Aug 2025 16:25

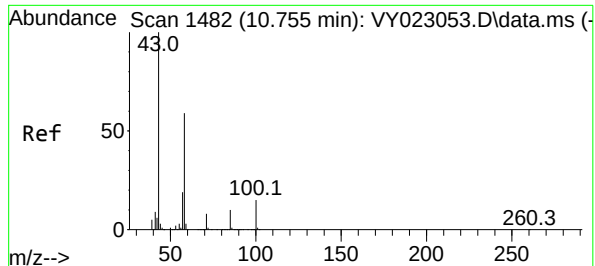
Tgt Ion: 63 Resp: 1389847

Ion Ratio Lower Upper

63 100

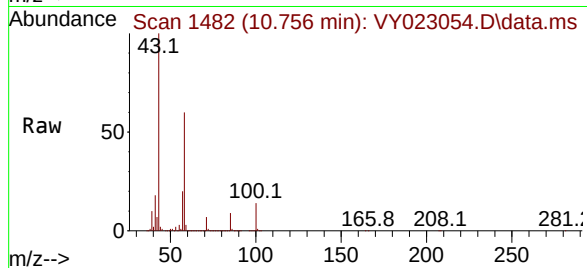
106 29.5 23.2 34.8





#59
2-Hexanone
Concen: 492.950 ug/l
RT: 10.756 min Scan# 1482
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

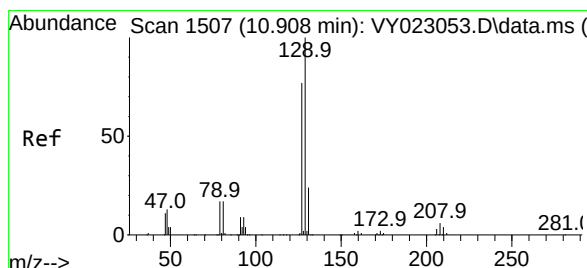
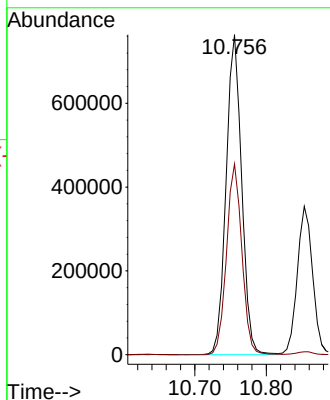
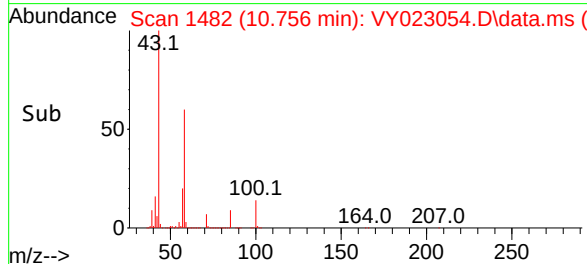
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100



Tgt Ion: 43 Resp: 1151000
Ion Ratio Lower Upper
43 100
58 58.9 29.5 88.5

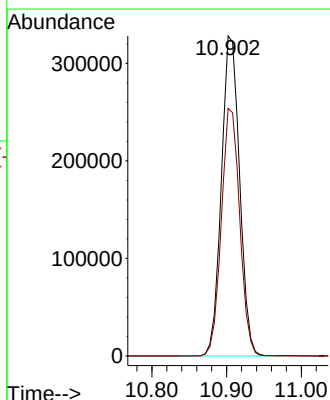
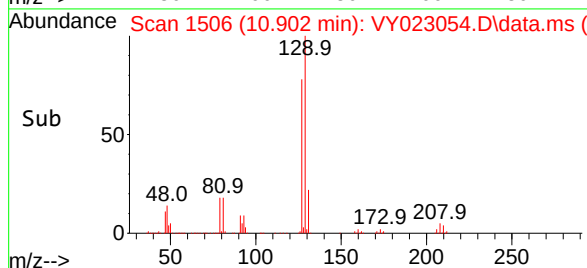
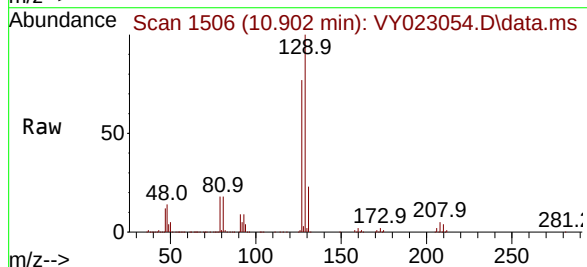
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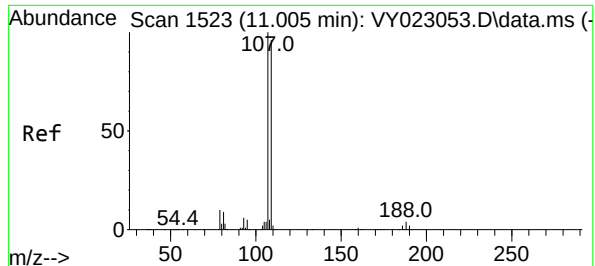
Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025



#60
Dibromochloromethane
Concen: 99.024 ug/l
RT: 10.902 min Scan# 1506
Delta R.T. -0.006 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion:129 Resp: 557205
Ion Ratio Lower Upper
129 100
127 77.8 38.5 115.5





#61

1,2-Dibromoethane

Concen: 97.713 ug/l

RT: 11.012 min Scan# 1524

Delta R.T. 0.006 min

Lab File: VY023054.D

Acq: 12 Aug 2025 16:25

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tgt Ion:107 Resp: 391650

Ion Ratio Lower Upper

107 100

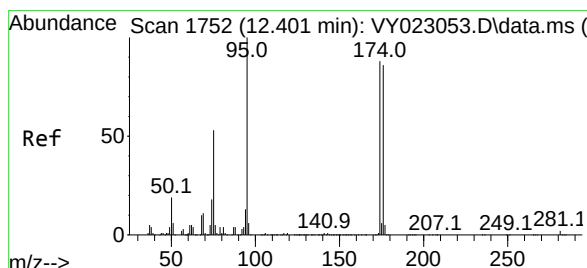
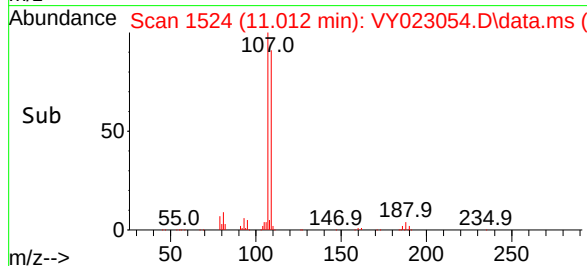
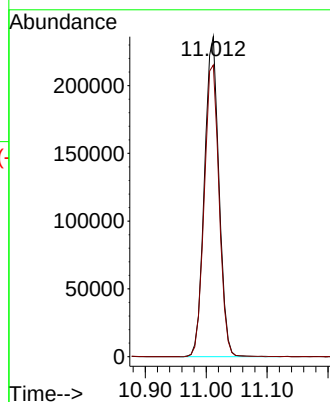
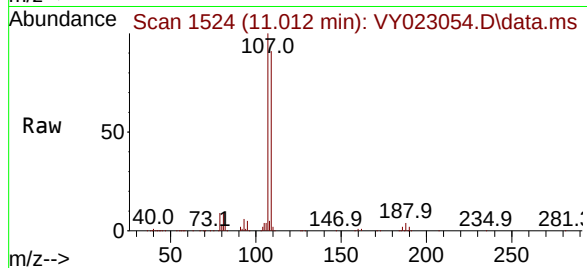
109 92.9 75.6 113.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025

Supervised By :Semsettin Yesilyurt 08/14/2025



#62

4-Bromofluorobenzene

Concen: 106.147 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. 0.000 min

Lab File: VY023054.D

Acq: 12 Aug 2025 16:25

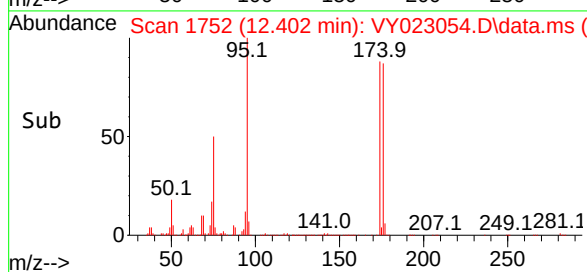
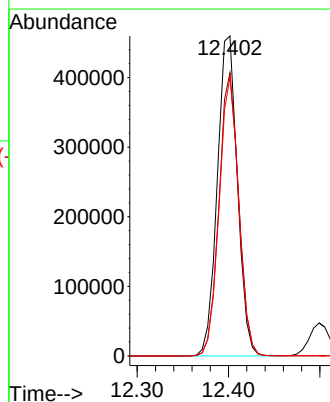
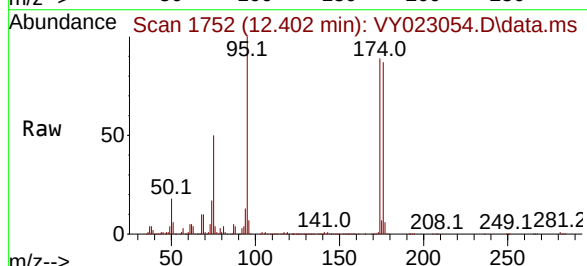
Tgt Ion: 95 Resp: 702583

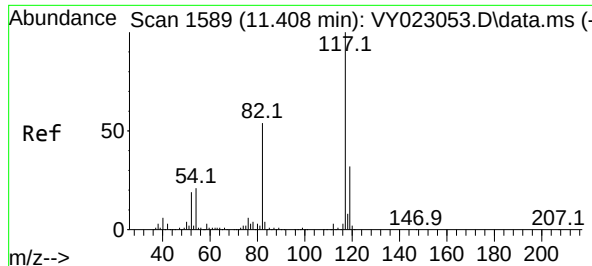
Ion Ratio Lower Upper

95 100

174 86.7 0.0 171.6

176 84.8 0.0 167.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.408 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY023054.D

Acq: 12 Aug 2025 16:25

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tgt Ion:117 Resp: 78438

Ion Ratio Lower Upper

117 100

82 56.0 43.4 65.0

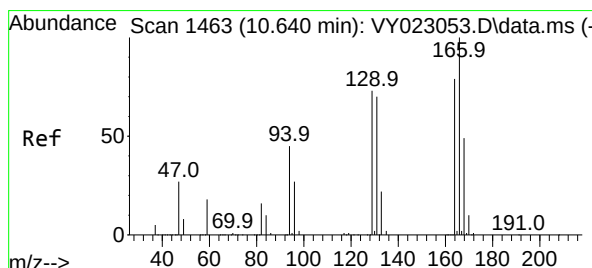
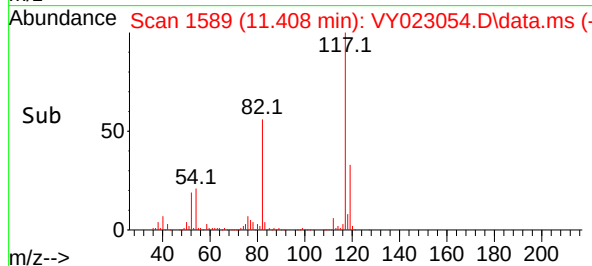
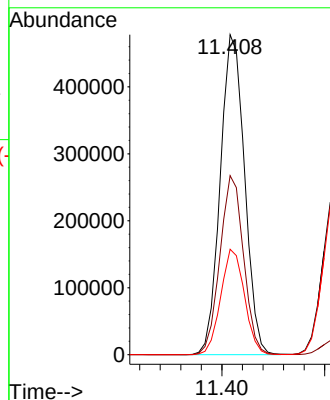
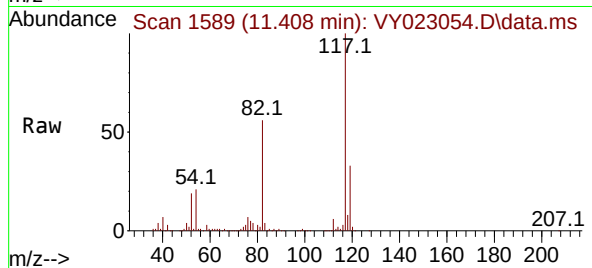
119 33.0 25.6 38.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025

Supervised By :Semsettin Yesilyurt 08/14/2025



#64

Tetrachloroethene

Concen: 87.931 ug/l

RT: 10.640 min Scan# 1463

Delta R.T. 0.000 min

Lab File: VY023054.D

Acq: 12 Aug 2025 16:25

Tgt Ion:164 Resp: 615871

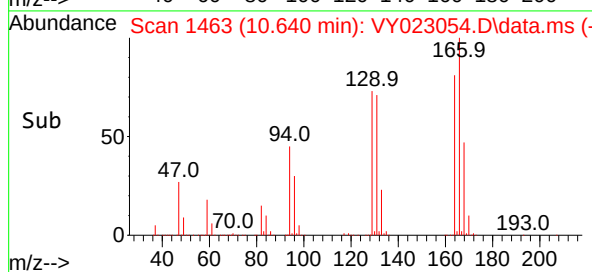
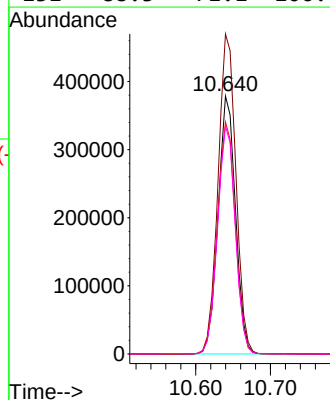
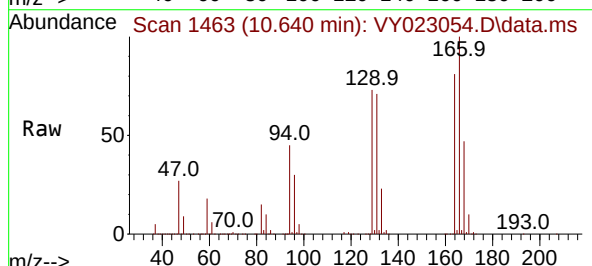
Ion Ratio Lower Upper

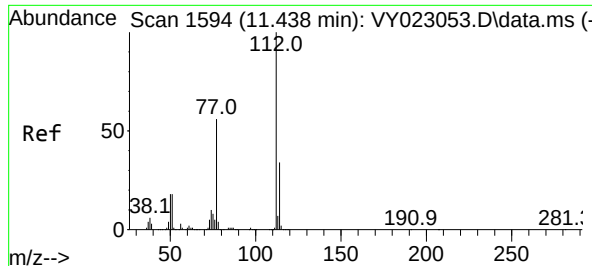
164 100

166 124.1 101.1 151.7

129 90.0 74.0 111.0

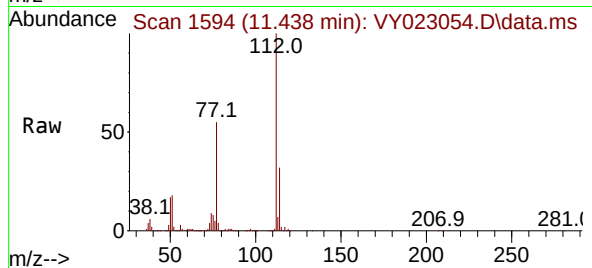
131 88.3 71.1 106.7





#65
Chlorobenzene
Concen: 98.004 ug/l
RT: 11.438 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

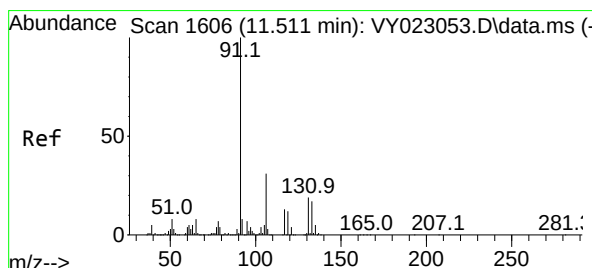
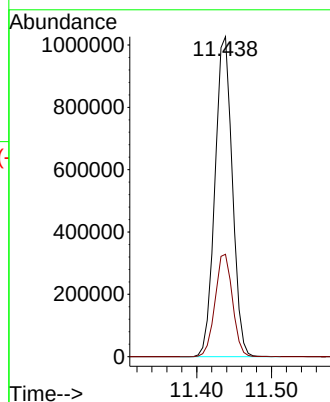
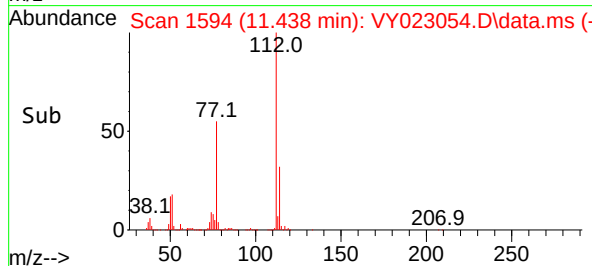
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100



Tgt Ion:112 Resp: 1658154
Ion Ratio Lower Upper
112 100
114 32.0 27.0 40.4

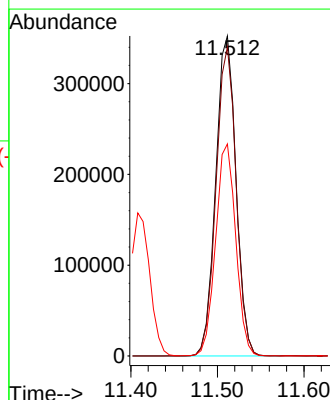
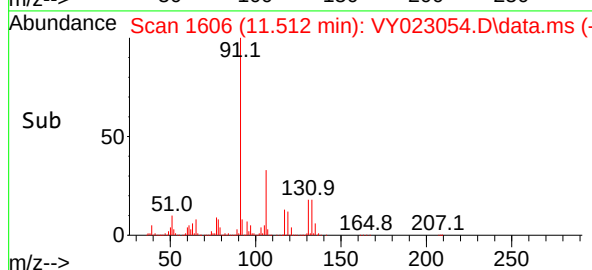
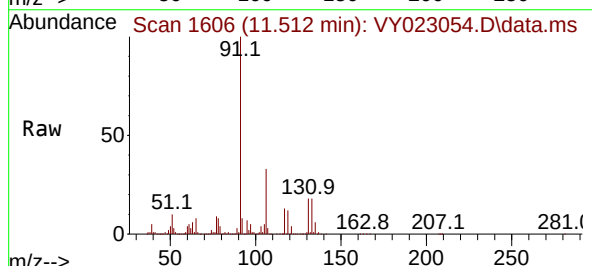
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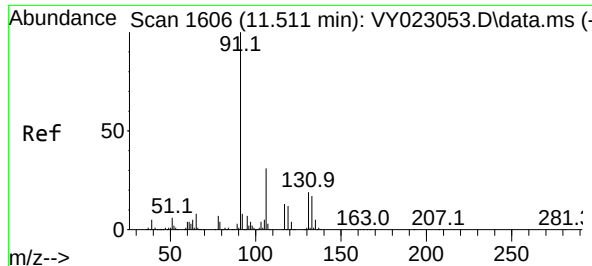
Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 99.810 ug/l
RT: 11.512 min Scan# 1606
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion:131 Resp: 573131
Ion Ratio Lower Upper
131 100
133 95.5 46.9 140.6
119 65.9 33.2 99.6





#67

Ethyl Benzene

Concen: 100.082 ug/l

RT: 11.512 min Scan# 1606

Delta R.T. 0.000 min

Lab File: VY023054.D

Acq: 12 Aug 2025 16:25

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

Tgt Ion: 91 Resp: 2914020

Ion Ratio Lower Upper

91 100

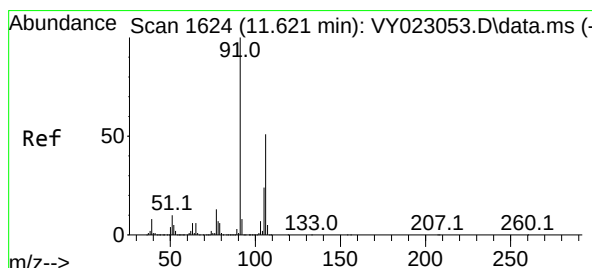
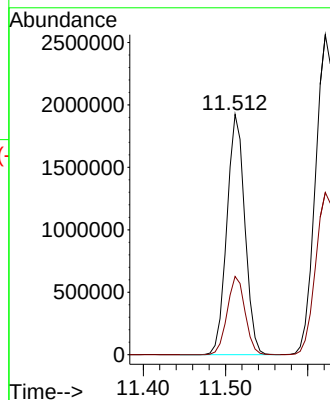
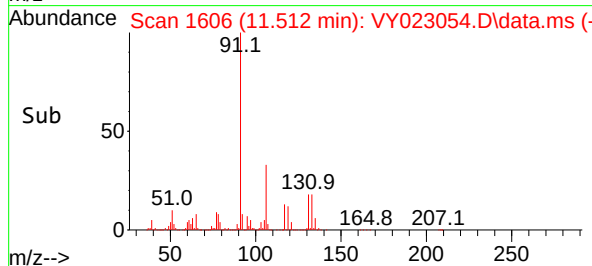
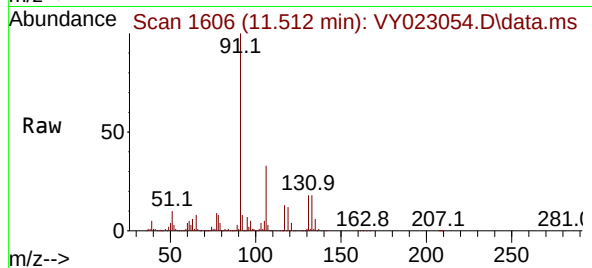
106 32.5 25.0 37.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025

Supervised By :Semsettin Yesilyurt 08/14/2025



#68

m/p-Xylenes

Concen: 203.363 ug/l

RT: 11.621 min Scan# 1624

Delta R.T. 0.000 min

Lab File: VY023054.D

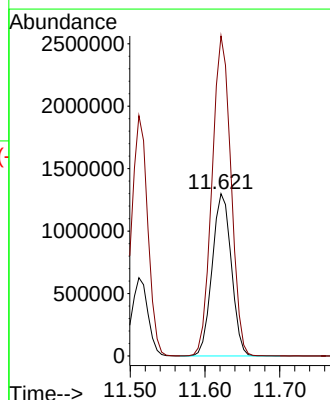
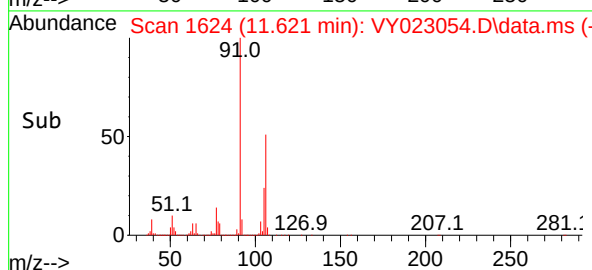
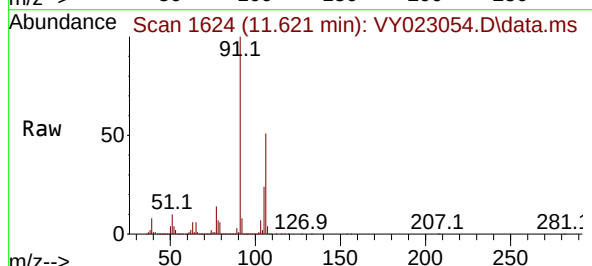
Acq: 12 Aug 2025 16:25

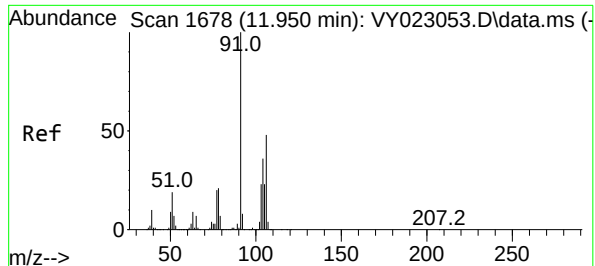
Tgt Ion:106 Resp: 2312597

Ion Ratio Lower Upper

106 100

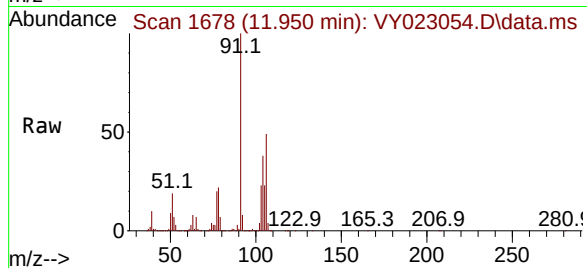
91 195.1 158.6 238.0





#69
o-Xylene
Concen: 103.373 ug/l
RT: 11.950 min Scan# 1678
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

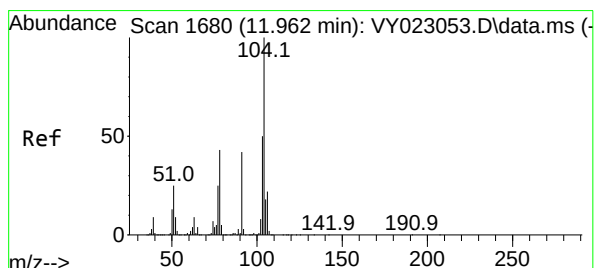
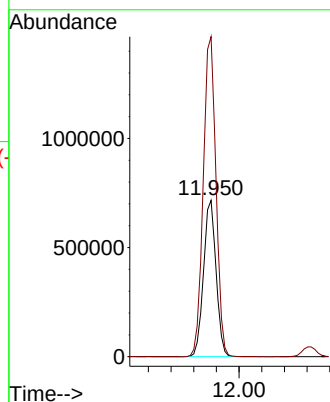
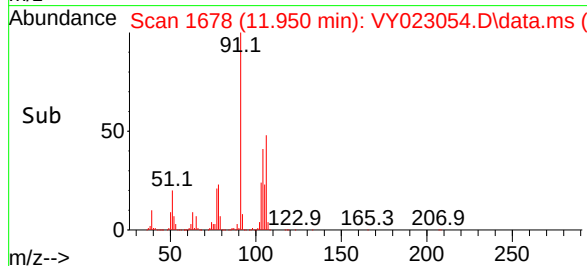
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100



Tgt Ion:106 Resp: 1100998
Ion Ratio Lower Upper
106 100
91 207.5 103.2 309.4

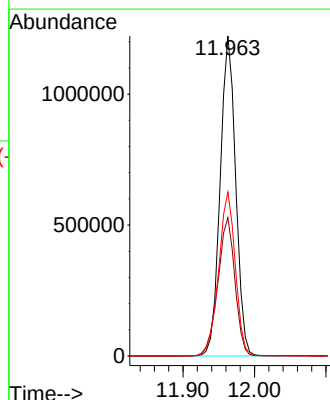
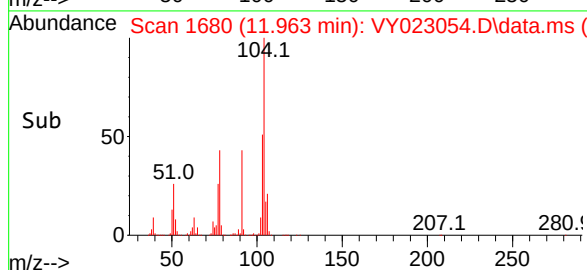
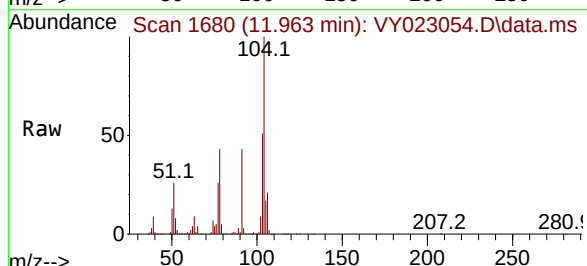
Manual Integrations
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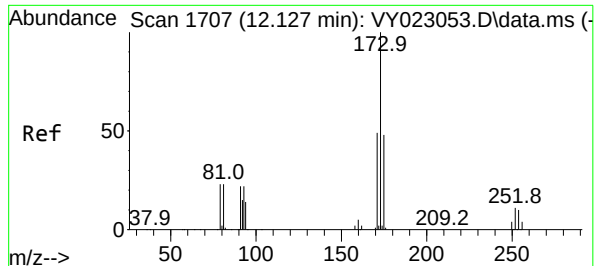
Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025



#70
Styrene
Concen: 105.953 ug/l
RT: 11.963 min Scan# 1680
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

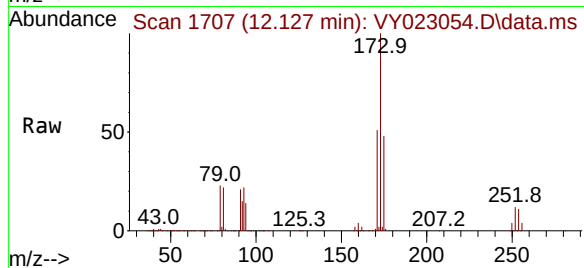
Tgt Ion:104 Resp: 1845480
Ion Ratio Lower Upper
104 100
78 47.4 38.5 57.7
103 54.9 43.7 65.5





#71
Bromoform
Concen: 99.786 ug/l
RT: 12.127 min Scan# 1707
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

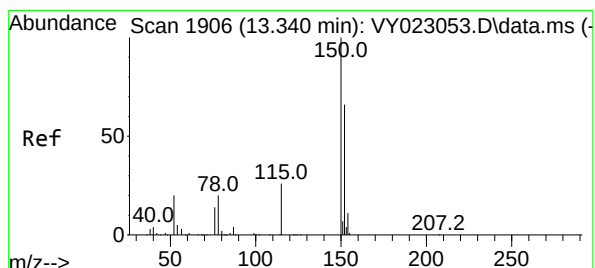
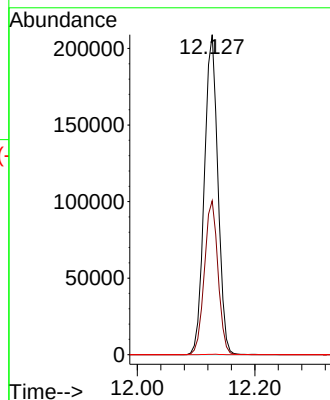
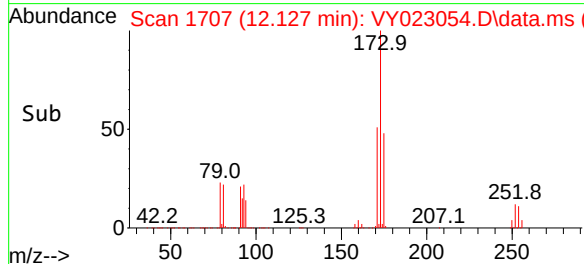
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100



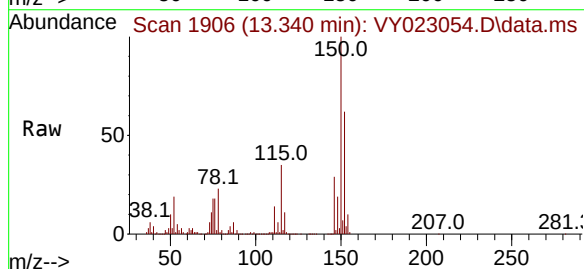
Tgt Ion:173 Resp: 334880
Ion Ratio Lower Upper
173 100
175 48.4 23.9 71.7
254 0.1 0.1 0.1

Manual Integrations
APPROVED

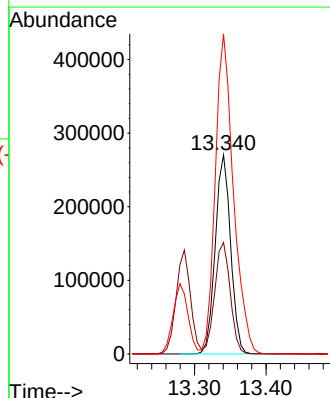
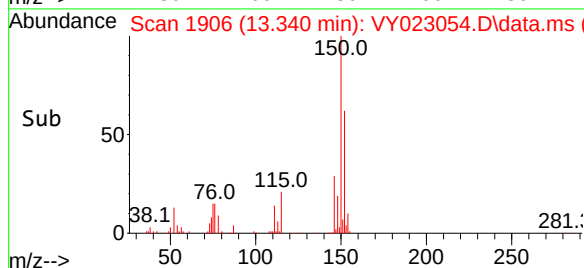
Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025

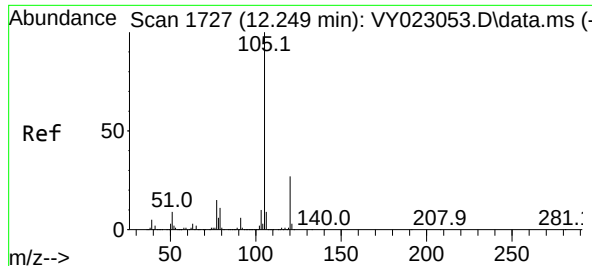


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.340 min Scan# 1906
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25



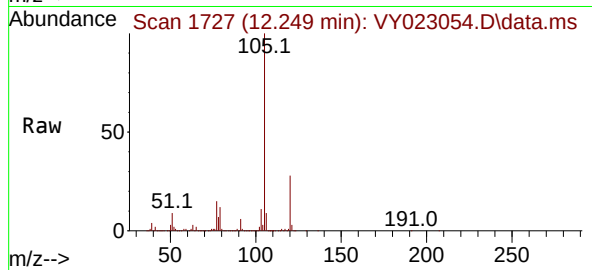
Tgt Ion:152 Resp: 404136
Ion Ratio Lower Upper
152 100
115 56.4 28.2 84.6
150 189.2 0.0 348.0





#73
Isopropylbenzene
Concen: 99.567 ug/l
RT: 12.249 min Scan# 1727
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

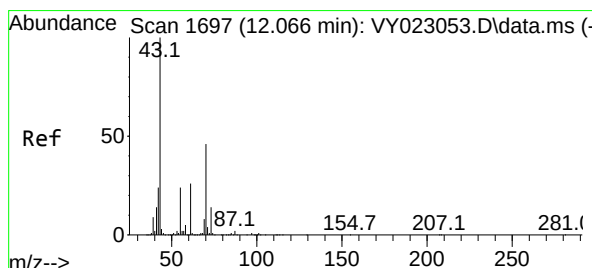
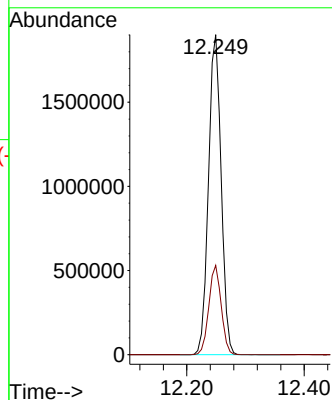
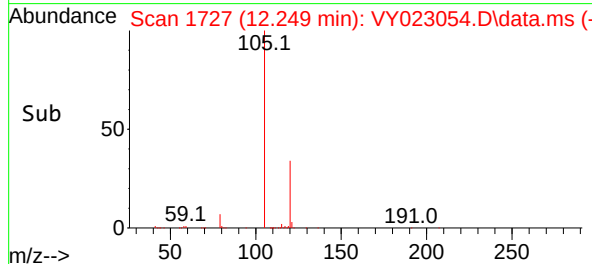
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100



Tgt Ion:105 Resp: 2839999
Ion Ratio Lower Upper
105 100
120 27.3 13.4 40.2

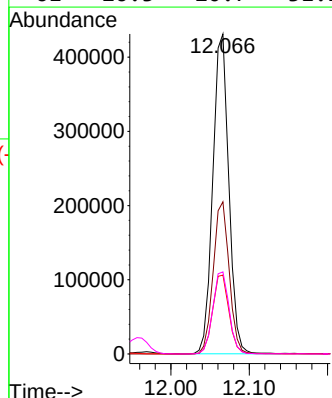
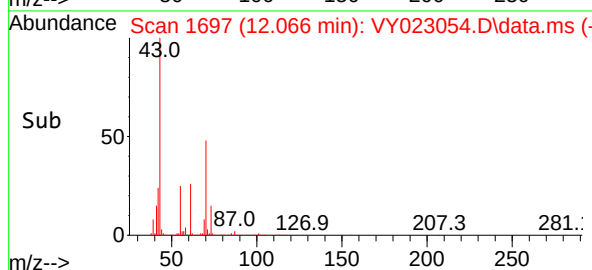
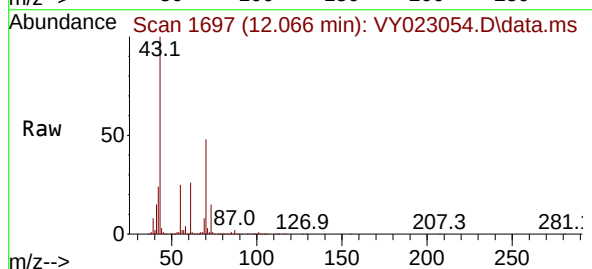
Manual Integrations
APPROVED

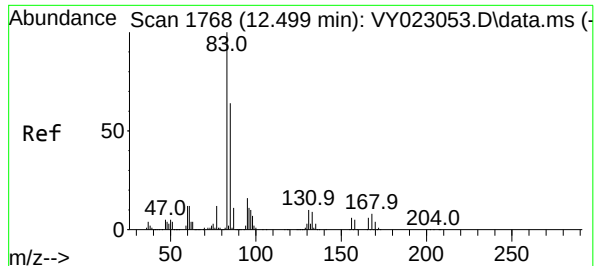
Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025



#74
N-ethyl acetate
Concen: 100.955 ug/l
RT: 12.066 min Scan# 1697
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion: 43 Resp: 610668
Ion Ratio Lower Upper
43 100
70 47.8 37.5 56.3
55 25.3 20.7 31.1
61 26.3 20.7 31.1





#75

1,1,2,2-Tetrachloroethane

Concen: 96.464 ug/l

RT: 12.499 min Scan# 1768

Delta R.T. 0.000 min

Lab File: VY023054.D

Acq: 12 Aug 2025 16:25

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

Tgt Ion: 83 Resp: 469810

Ion Ratio Lower Upper

83 100

131 10.3 5.1 15.3

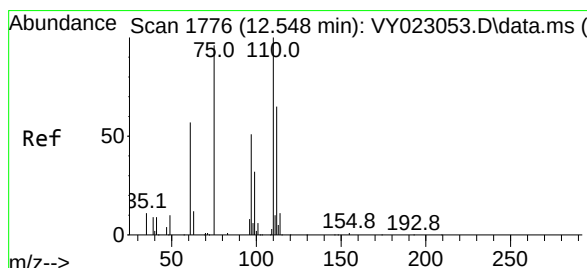
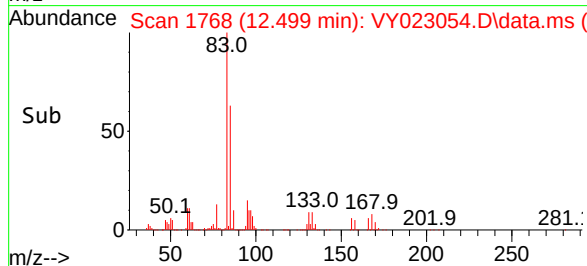
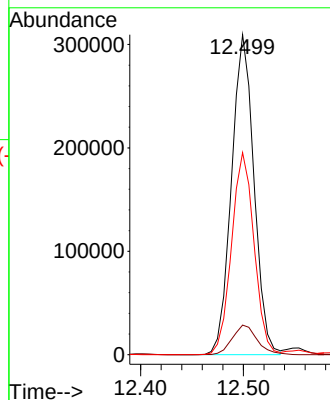
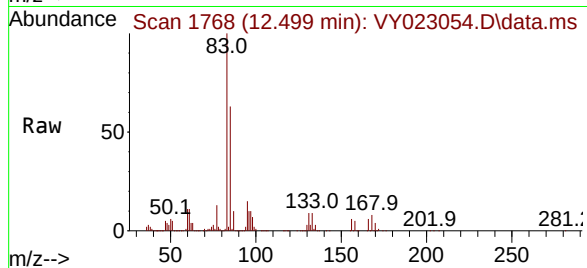
85 63.3 31.8 95.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025

Supervised By :Semsettin Yesilyurt 08/14/2025



#76

1,2,3-Trichloropropane

Concen: 84.695 ug/l m

RT: 12.548 min Scan# 1776

Delta R.T. 0.000 min

Lab File: VY023054.D

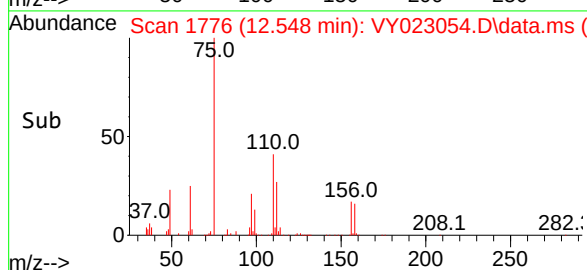
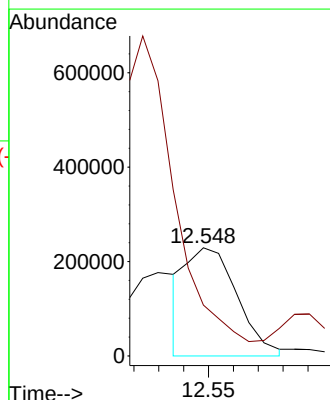
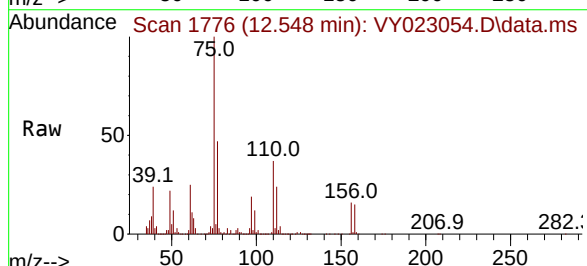
Acq: 12 Aug 2025 16:25

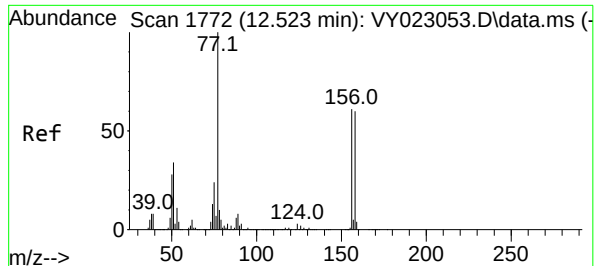
Tgt Ion: 75 Resp: 330554

Ion Ratio Lower Upper

75 100

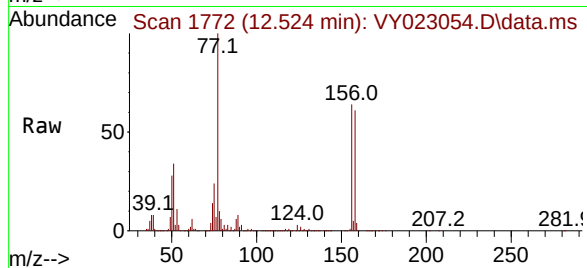
77 0.0 0.0 0.0





#77
Bromobenzene
Concen: 98.655 ug/l
RT: 12.524 min Scan# 1772
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

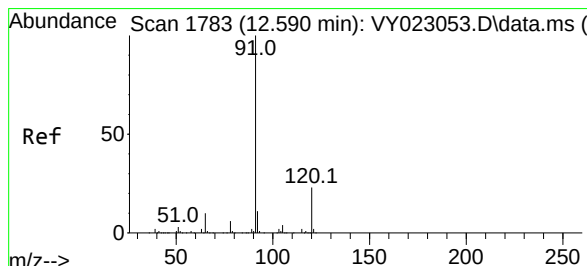
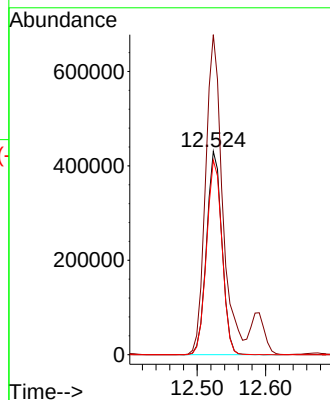
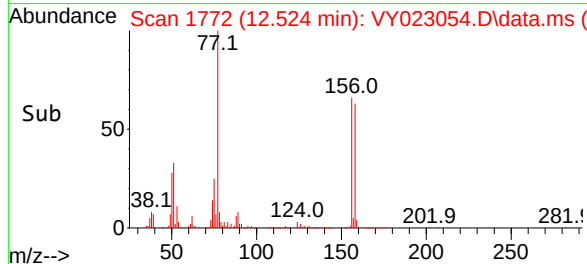
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100



Tgt Ion: 156 Resp: 671329
Ion Ratio Lower Upper
156 100
77 172.8 88.1 264.4
158 96.5 48.0 144.0

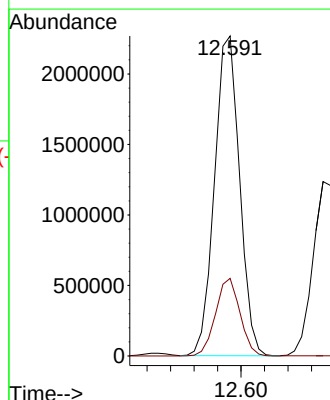
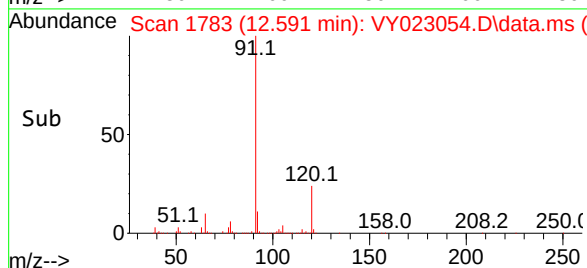
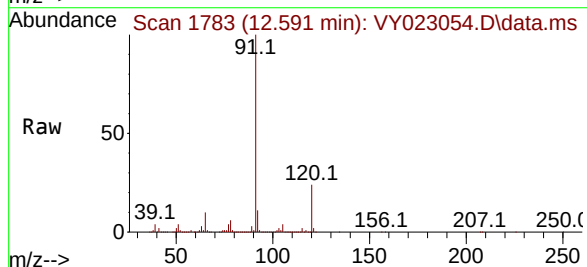
Manual Integrations
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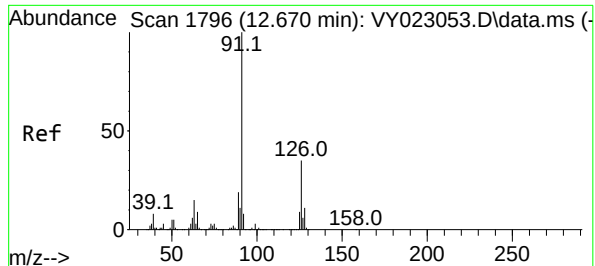
Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025



#78
n-propylbenzene
Concen: 98.963 ug/l
RT: 12.591 min Scan# 1783
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion: 91 Resp: 3360679
Ion Ratio Lower Upper
91 100
120 23.6 11.5 34.5





#79

2-Chlorotoluene

Concen: 99.268 ug/l

RT: 12.670 min Scan# 1796

Delta R.T. 0.000 min

Lab File: VY023054.D

Acq: 12 Aug 2025 16:25

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

Tgt Ion: 91 Resp: 1931460

Ion Ratio Lower Upper

91 100

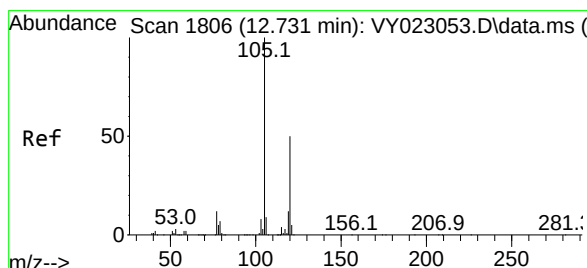
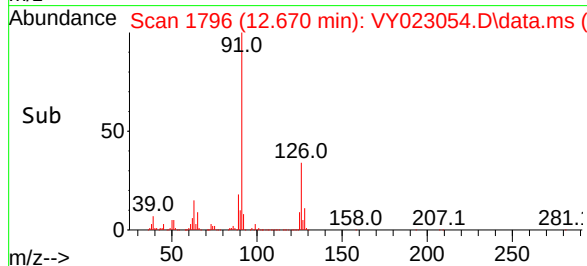
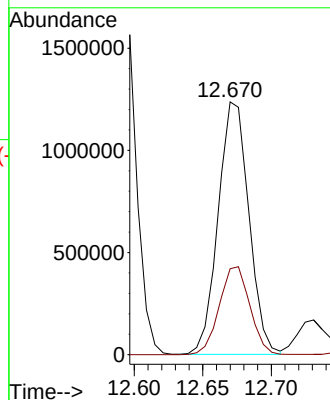
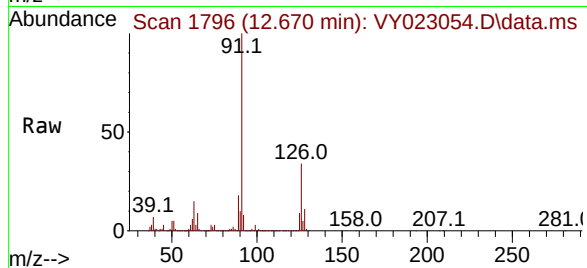
126 34.7 17.4 52.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025

Supervised By :Semsettin Yesilyurt 08/14/2025



#80

1,3,5-Trimethylbenzene

Concen: 100.707 ug/l

RT: 12.731 min Scan# 1806

Delta R.T. 0.000 min

Lab File: VY023054.D

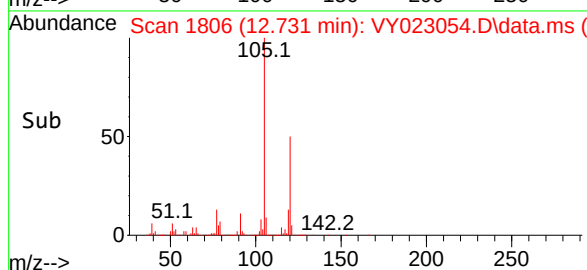
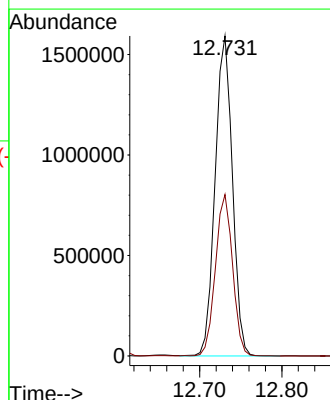
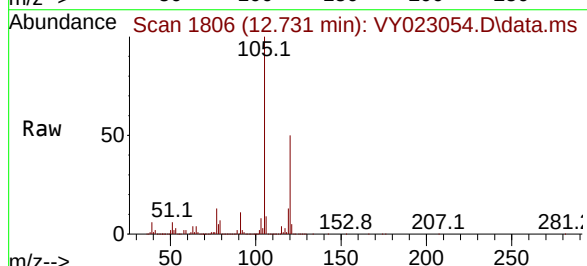
Acq: 12 Aug 2025 16:25

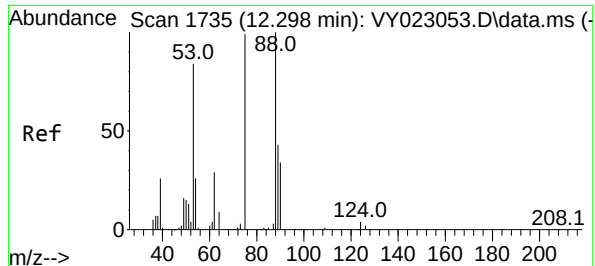
Tgt Ion:105 Resp: 2321527

Ion Ratio Lower Upper

105 100

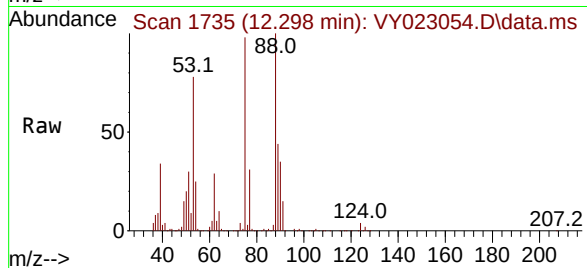
120 50.2 24.8 74.4





#81
trans-1,4-Dichloro-2-butene
Concen: 95.118 ug/l
RT: 12.298 min Scan# 1735
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

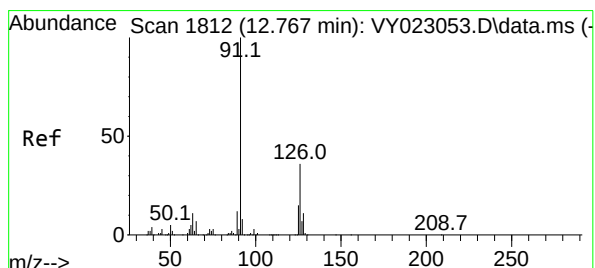
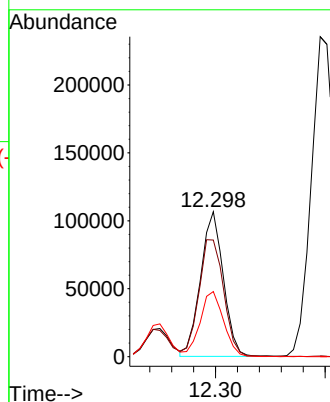
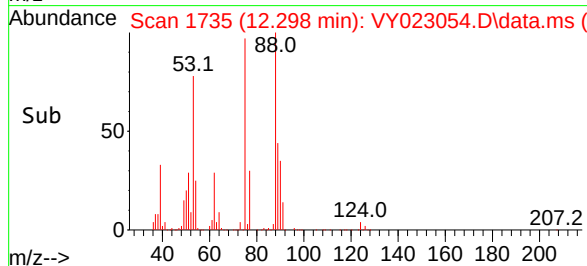
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100



Tgt Ion: 75 Resp: 153260
Ion Ratio Lower Upper
75 100
53 88.4 70.8 106.2
89 47.0 38.1 57.1

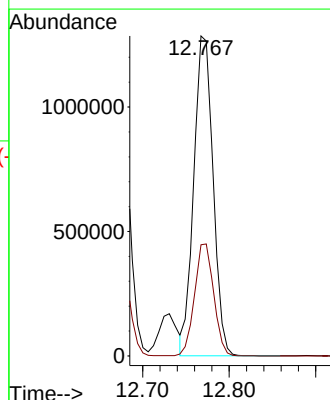
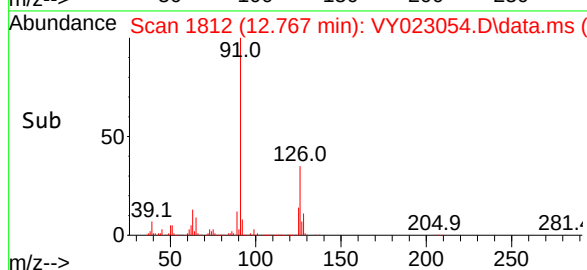
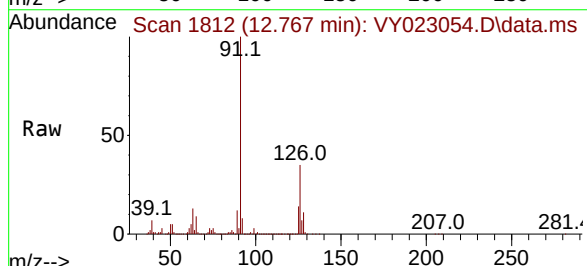
Manual Integrations
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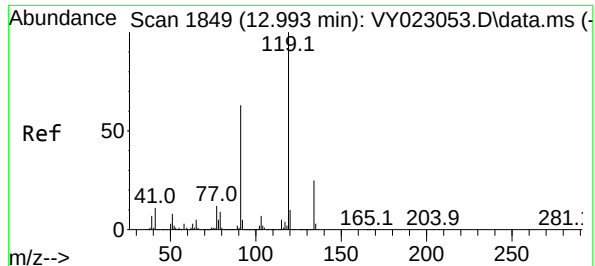
Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025



#82
4-Chlorotoluene
Concen: 98.519 ug/l
RT: 12.767 min Scan# 1812
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion: 91 Resp: 1988544
Ion Ratio Lower Upper
91 100
126 34.9 17.3 52.0





#83

tert-Butylbenzene

Concen: 102.102 ug/l

RT: 12.993 min Scan# 1849

Delta R.T. 0.000 min

Lab File: VY023054.D

Acq: 12 Aug 2025 16:25

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tgt Ion:119 Resp: 212578

Ion Ratio Lower Upper

119 100

91 61.6 31.6 94.8

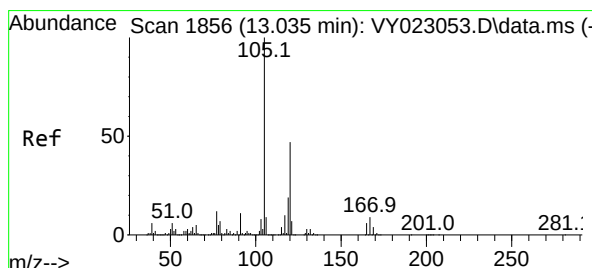
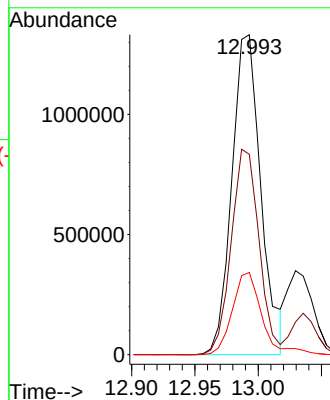
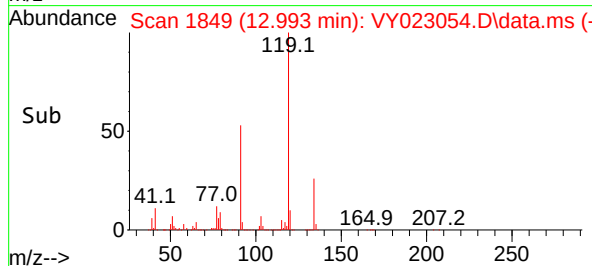
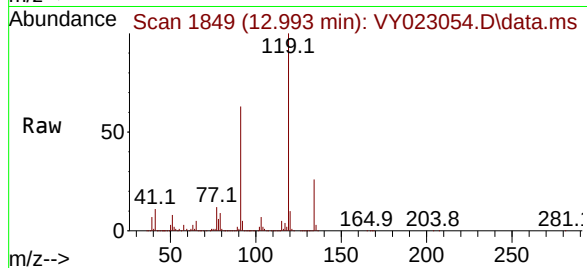
134 26.2 12.9 38.7

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025

Supervised By :Semsettin Yesilyurt 08/14/2025



#84

1,2,4-Trimethylbenzene

Concen: 101.946 ug/l

RT: 13.036 min Scan# 1856

Delta R.T. 0.000 min

Lab File: VY023054.D

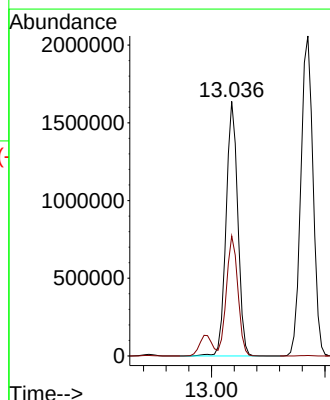
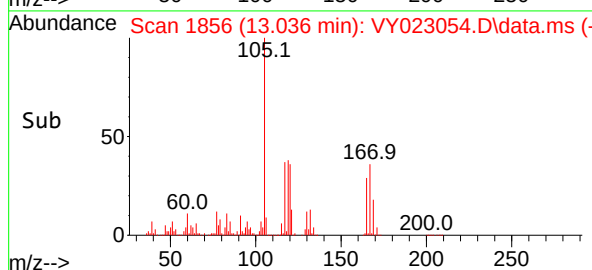
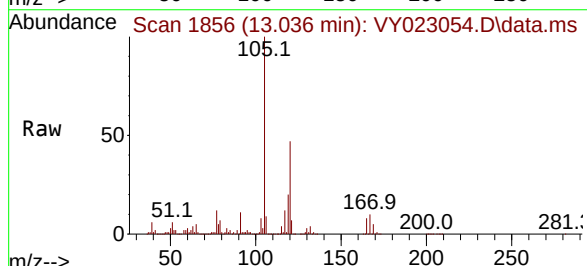
Acq: 12 Aug 2025 16:25

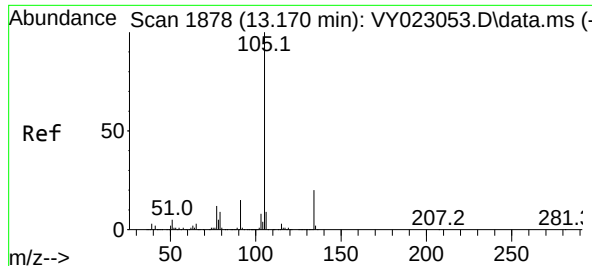
Tgt Ion:105 Resp: 2339432

Ion Ratio Lower Upper

105 100

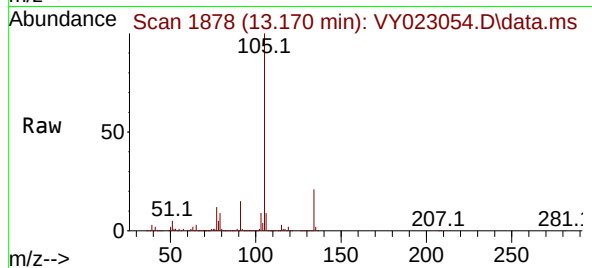
120 46.2 23.0 69.0





#85
sec-Butylbenzene
Concen: 99.932 ug/l
RT: 13.170 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

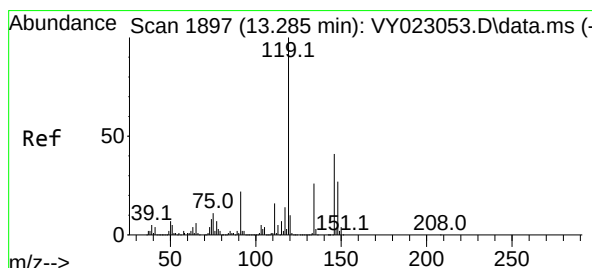
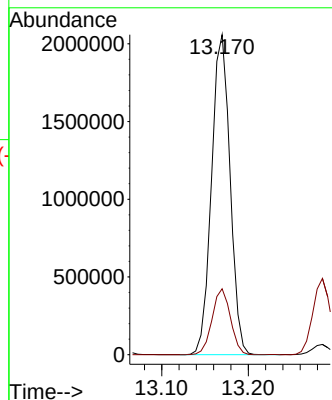
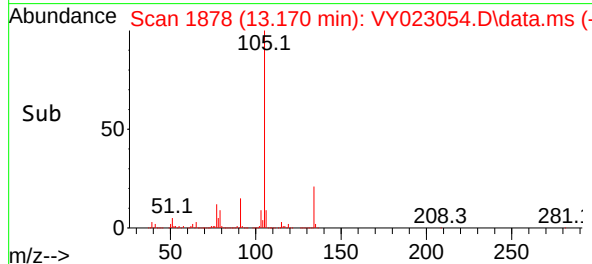
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100



Tgt Ion:105 Resp: 305637
Ion Ratio Lower Upper
105 100
134 20.4 10.2 30.4

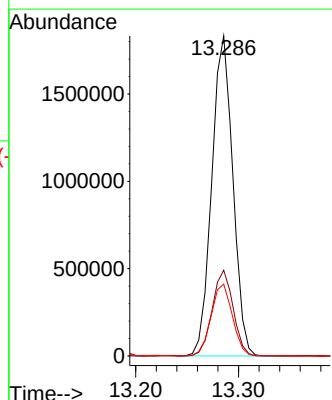
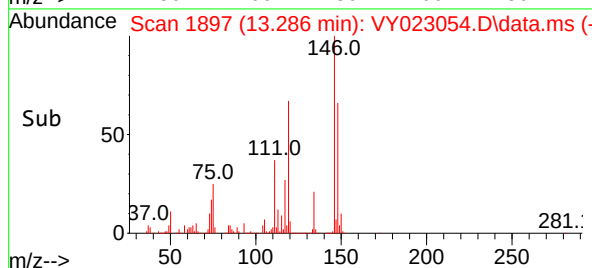
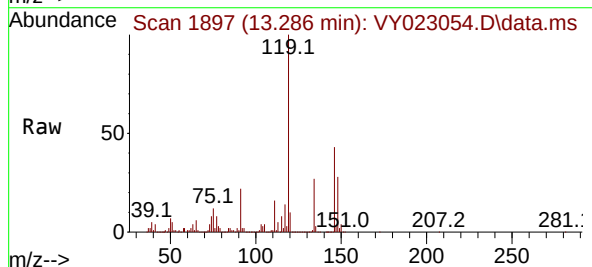
Manual Integrations
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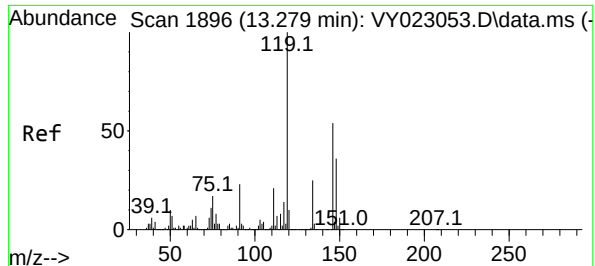
Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025



#86
p-Isopropyltoluene
Concen: 102.846 ug/l
RT: 13.286 min Scan# 1897
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion:119 Resp: 2610936
Ion Ratio Lower Upper
119 100
134 26.5 13.2 39.6
91 22.7 11.3 33.8





#87

1,3-Dichlorobenzene

Concen: 99.748 ug/l

RT: 13.280 min Scan# 1896

Delta R.T. 0.000 min

Lab File: VY023054.D

Acq: 12 Aug 2025 16:25

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tgt Ion:146 Resp: 133854

Ion Ratio Lower Upper

146 100

111 38.8 19.6 58.7

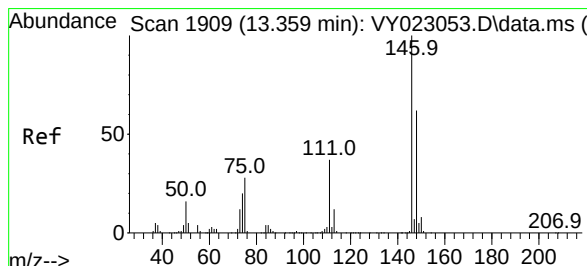
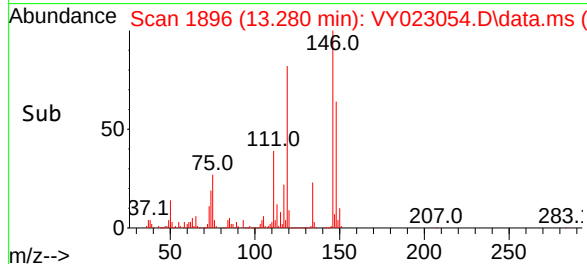
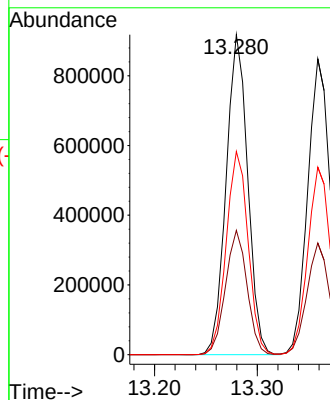
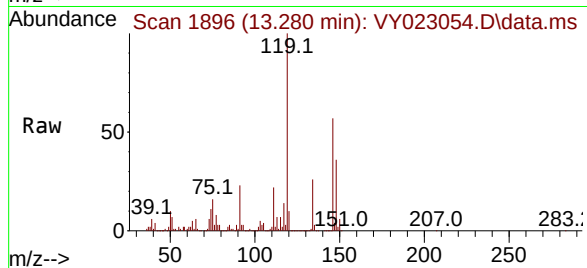
148 64.5 32.5 97.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025

Supervised By :Semsettin Yesilyurt 08/14/2025



#88

1,4-Dichlorobenzene

Concen: 96.970 ug/l

RT: 13.359 min Scan# 1909

Delta R.T. 0.000 min

Lab File: VY023054.D

Acq: 12 Aug 2025 16:25

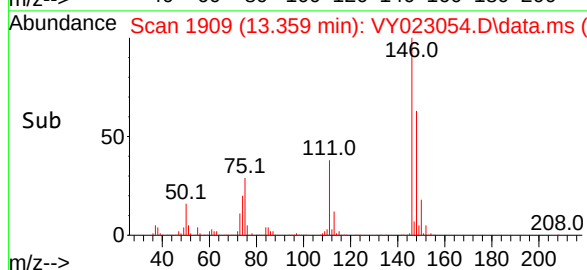
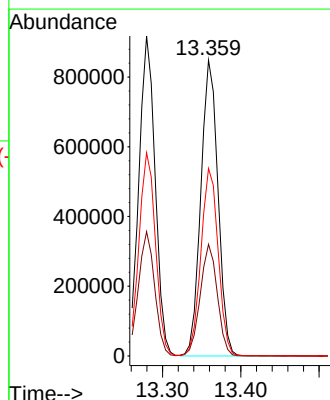
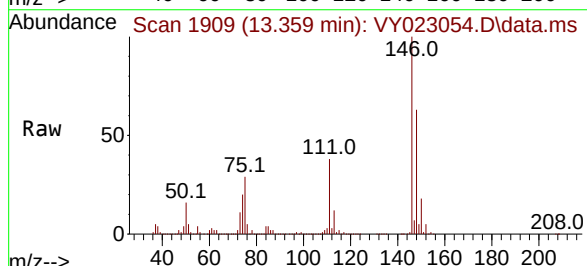
Tgt Ion:146 Resp: 1290840

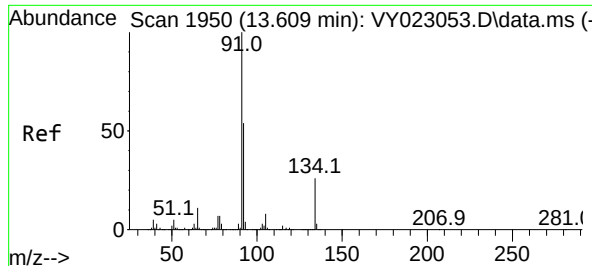
Ion Ratio Lower Upper

146 100

111 37.5 19.1 57.1

148 63.7 31.6 94.7





#89

n-Butylbenzene

Concen: 101.675 ug/l

RT: 13.609 min Scan# 1950

Delta R.T. 0.000 min

Lab File: VY023054.D

Acq: 12 Aug 2025 16:25

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

Tgt Ion: 91 Resp: 2370700

Ion Ratio Lower Upper

91 100

92 53.9 26.9 80.7

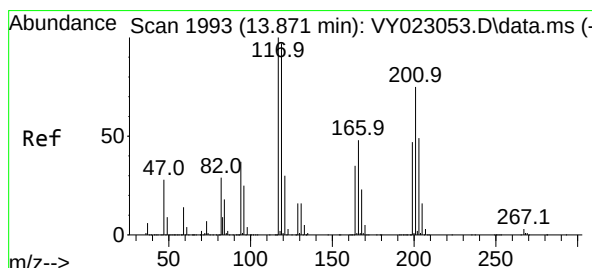
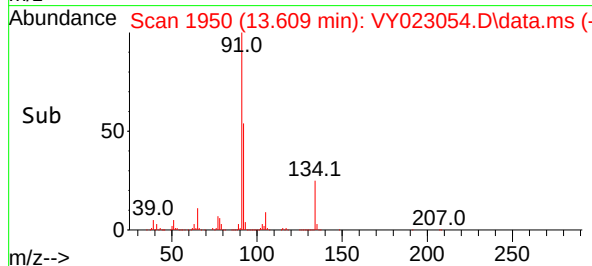
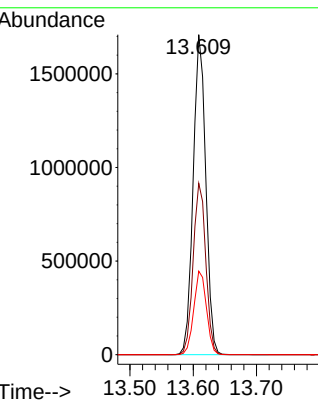
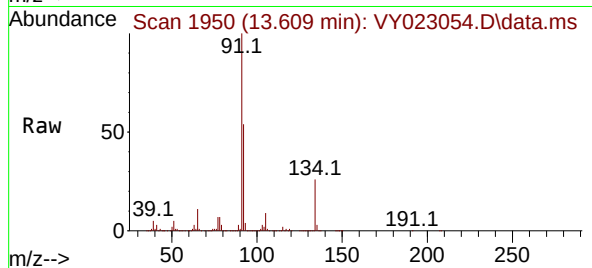
134 26.4 13.2 39.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025

Supervised By :Semsettin Yesilyurt 08/14/2025



#90

Hexachloroethane

Concen: 98.308 ug/l

RT: 13.871 min Scan# 1993

Delta R.T. 0.000 min

Lab File: VY023054.D

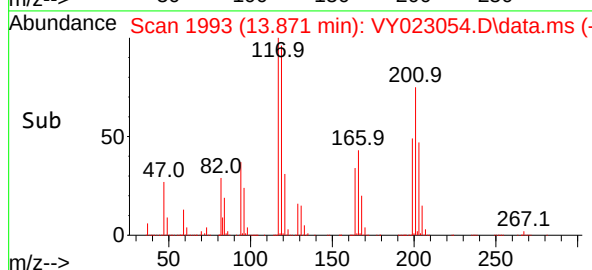
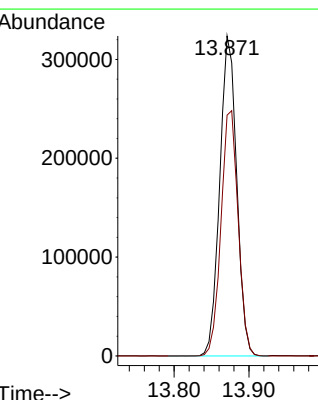
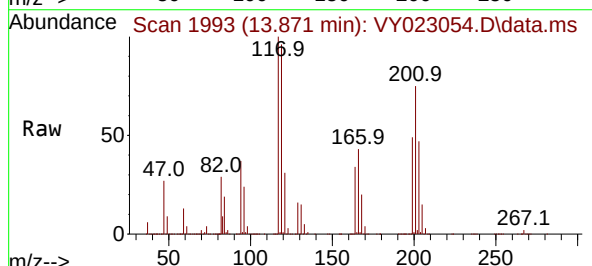
Acq: 12 Aug 2025 16:25

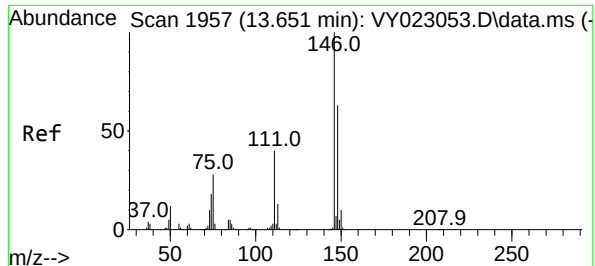
Tgt Ion:117 Resp: 510900

Ion Ratio Lower Upper

117 100

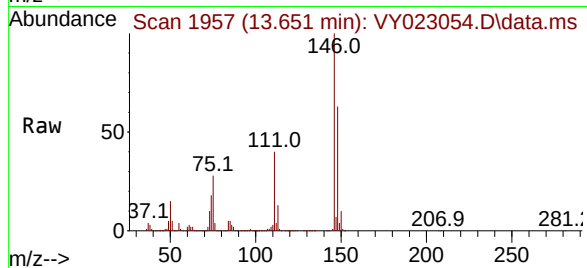
201 77.6 38.4 115.1





#91
1,2-Dichlorobenzene
Concen: 98.749 ug/l
RT: 13.651 min Scan# 1957
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

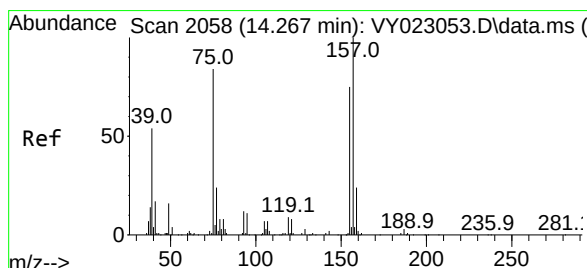
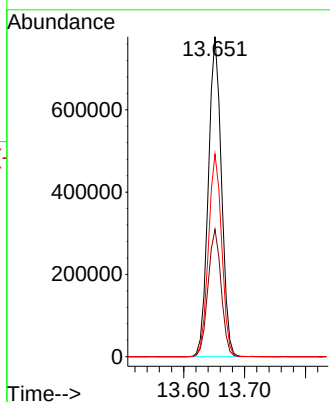
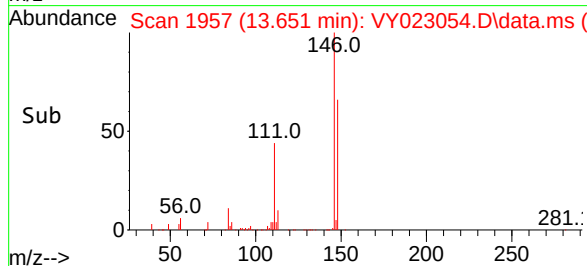
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100



Tgt Ion:146 Resp: 116215
Ion Ratio Lower Upper
146 100
111 39.9 20.3 60.8
148 63.9 32.2 96.6

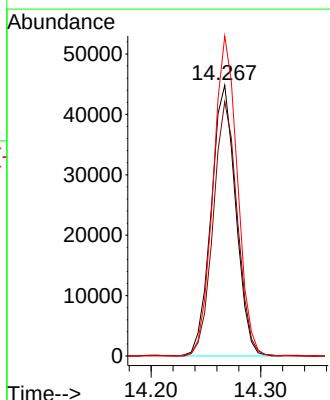
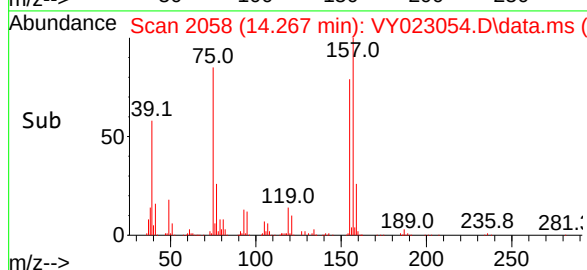
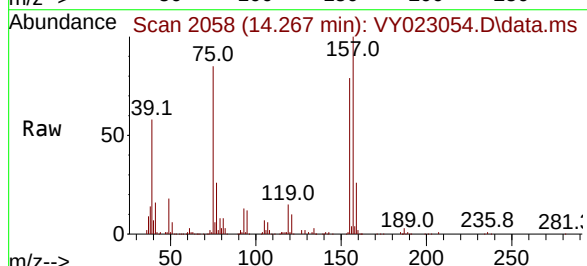
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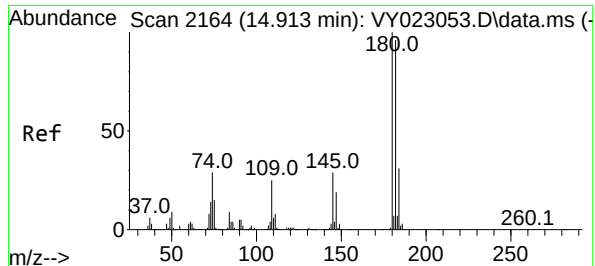
Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 91.965 ug/l
RT: 14.267 min Scan# 2058
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion: 75 Resp: 69736
Ion Ratio Lower Upper
75 100
155 92.1 43.9 131.6
157 116.2 57.2 171.6





#93

1,2,4-Trichlorobenzene

Concen: 99.460 ug/l

RT: 14.913 min Scan# 2164

Delta R.T. 0.000 min

Lab File: VY023054.D

Acq: 12 Aug 2025 16:25

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tgt Ion:180 Resp: 69220

Ion Ratio Lower Upper

180 100

182 95.8 46.8 140.4

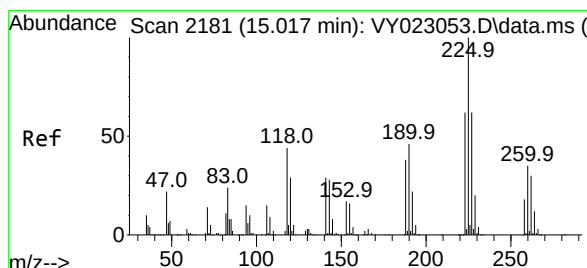
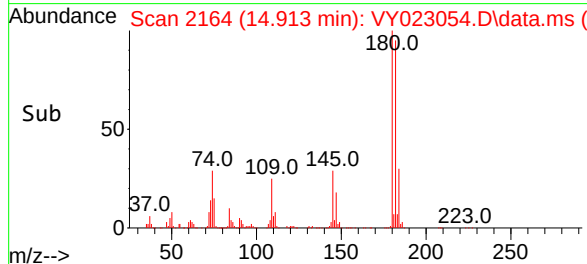
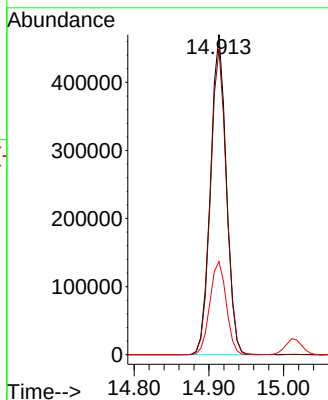
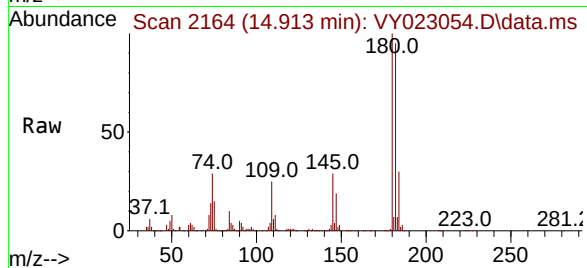
145 30.1 14.4 43.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025

Supervised By :Semsettin Yesilyurt 08/14/2025



#94

Hexachlorobutadiene

Concen: 94.803 ug/l

RT: 15.017 min Scan# 2181

Delta R.T. 0.000 min

Lab File: VY023054.D

Acq: 12 Aug 2025 16:25

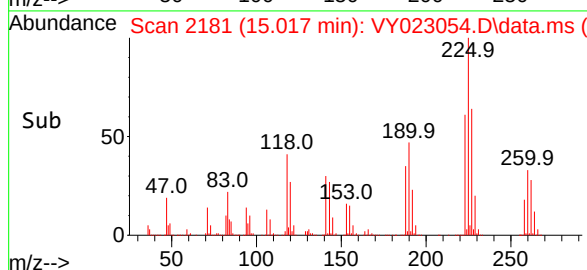
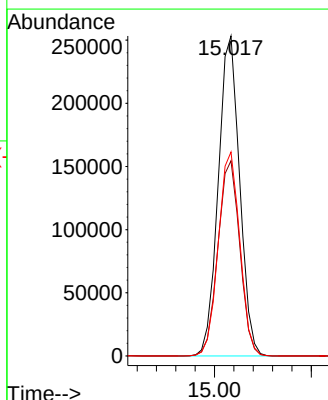
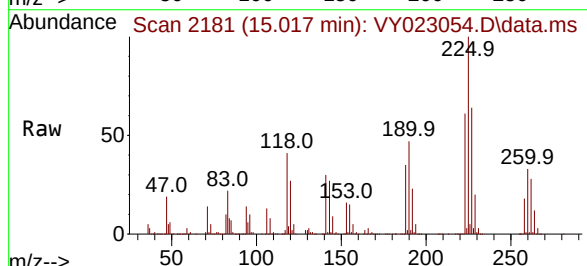
Tgt Ion:225 Resp: 387707

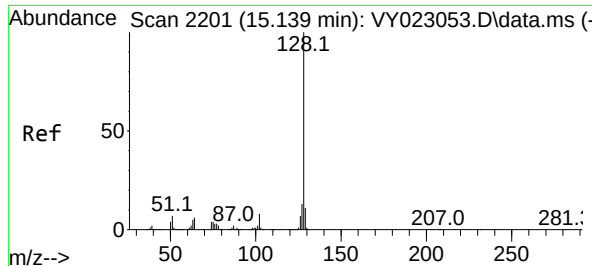
Ion Ratio Lower Upper

225 100

223 62.4 31.3 93.8

227 64.2 31.5 94.5





#95

Naphthalene

Concen: 102.147 ug/l

RT: 15.133 min Scan# 2201

Delta R.T. -0.006 min

Lab File: VY023054.D

Acq: 12 Aug 2025 16:25

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tgt Ion:128 Resp: 121222

Ion Ratio Lower Upper

128 100

127 13.0 10.4 15.6

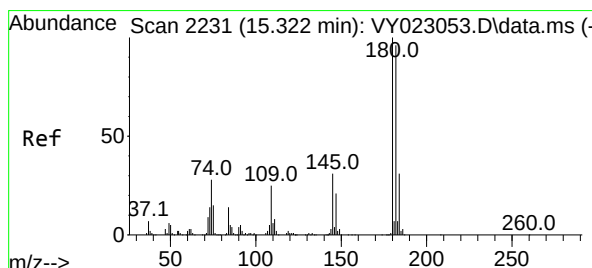
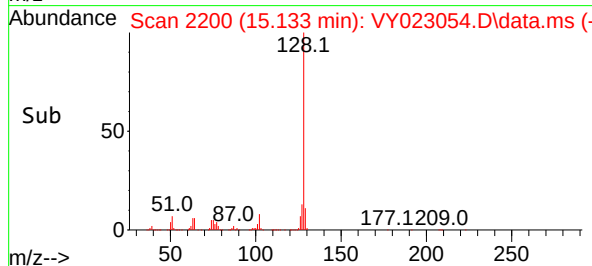
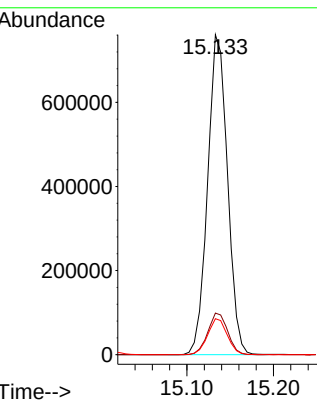
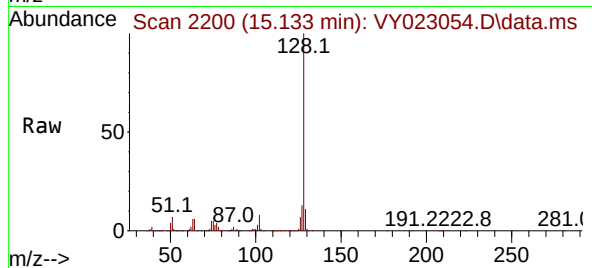
129 11.1 9.0 13.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025

Supervised By :Semsettin Yesilyurt 08/14/2025



#96

1,2,3-Trichlorobenzene

Concen: 98.046 ug/l

RT: 15.322 min Scan# 2231

Delta R.T. 0.000 min

Lab File: VY023054.D

Acq: 12 Aug 2025 16:25

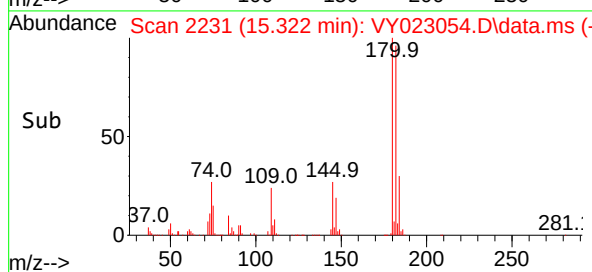
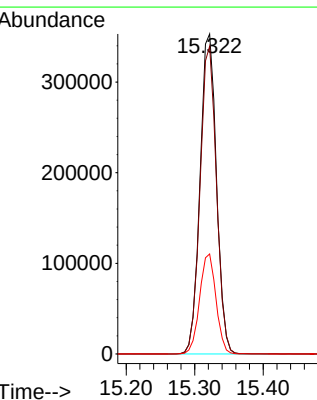
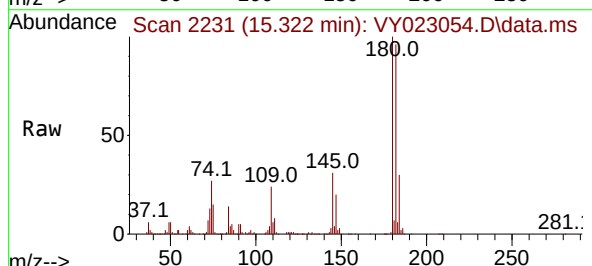
Tgt Ion:180 Resp: 587990

Ion Ratio Lower Upper

180 100

182 95.8 47.9 143.7

145 31.2 15.9 47.7



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081225\
 Data File : VY023055.D
 Acq On : 12 Aug 2025 16:47
 Operator : SY/MD
 Sample : VSTDICC150
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC150

Quant Time: Aug 13 01:55:24 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 13 01:46:43 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025
 Supervised By :Semsettin Yesilyurt 08/14/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.701	168	538712	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	844092	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.408	117	756365	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	389949	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	746936	145.480	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 290.960%#			
35) Dibromofluoromethane	7.628	113	771944	152.837	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 305.680%#			
50) Toluene-d8	10.103	98	3003834	152.237	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 304.480%#			
62) 4-Bromofluorobenzene	12.402	95	998318	157.326	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 314.660%#			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.861	85	571723	130.017	ug/l	98
3) Chloromethane	2.062	50	991215	139.173	ug/l	99
4) Vinyl Chloride	2.202	62	1238646	140.692	ug/l	99
5) Bromomethane	2.580	94	938717	142.770	ug/l	100
6) Chloroethane	2.720	64	834547	142.581	ug/l	100
7) Trichlorofluoromethane	3.043	101	1574213	147.051	ug/l	99
8) Diethyl Ether	3.446	74	426242	150.496	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.806	101	763053	144.479	ug/l	99
10) Methyl Iodide	3.995	142	909378	159.567	ug/l	100
11) Tert butyl alcohol	4.860	59	265243	753.967	ug/l	100
12) 1,1-Dichloroethene	3.781	96	768098	147.960	ug/l	95
13) Acrolein	3.647	56	374594	727.070	ug/l	98
14) Allyl chloride	4.372	41	1151194	150.707	ug/l	99
15) Acrylonitrile	5.049	53	883293	767.115	ug/l	99
16) Acetone	3.866	43	777658	699.133	ug/l	100
17) Carbon Disulfide	4.098	76	2426564	143.357	ug/l	99
18) Methyl Acetate	4.379	43	500151	151.100	ug/l	99
19) Methyl tert-butyl Ether	5.110	73	2113920	157.144	ug/l	99
20) Methylene Chloride	4.604	84	846955	152.064	ug/l	99
21) trans-1,2-Dichloroethene	5.110	96	889517	152.474	ug/l	97
22) Diisopropyl ether	6.012	45	2594499	156.307	ug/l	99
23) Vinyl Acetate	5.951	43	7267824	791.851	ug/l	99
24) 1,1-Dichloroethane	5.909	63	1527663	150.534	ug/l	99
25) 2-Butanone	6.890	43	1144112	756.289	ug/l	97
26) 2,2-Dichloropropane	6.878	77	1293043	147.663	ug/l	99
27) cis-1,2-Dichloroethene	6.884	96	1047717	155.348	ug/l	98
28) Bromochloromethane	7.238	49	599841	148.984	ug/l	98
29) Tetrahydrofuran	7.256	42	734408	783.186	ug/l	99
30) Chloroform	7.415	83	1585686	151.505	ug/l	95
31) Cyclohexane	7.695	56	1354021	141.586	ug/l	98
32) 1,1,1-Trichloroethane	7.610	97	1396470	150.372	ug/l	100
36) 1,1-Dichloropropene	7.829	75	1132306	150.850	ug/l	99
37) Ethyl Acetate	6.982	43	494371	156.788	ug/l	99
38) Carbon Tetrachloride	7.811	117	1226800	150.478	ug/l	96
39) Methylcyclohexane	9.103	83	1556004	157.417	ug/l	98
40) Benzene	8.073	78	3533174	152.720	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081225\
 Data File : VY023055.D
 Acq On : 12 Aug 2025 16:47
 Operator : SY/MD
 Sample : VSTDICC150
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC150

Manual Integrations
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Reviewed By :Mahesh Dadoda 08/14/2025
 Supervised By :Semsettin Yesilyurt 08/14/2025

Quant Time: Aug 13 01:55:24 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 13 01:46:43 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.213	41	261721	143.669	ug/l	90
42) 1,2-Dichloroethane	8.152	62	909030	151.078	ug/l	100
43) Isopropyl Acetate	8.195	43	1029854	161.596	ug/l	98
44) Trichloroethene	8.860	130	909510	152.126	ug/l	94
45) 1,2-Dichloropropane	9.134	63	822035	154.426	ug/l	99
46) Dibromomethane	9.225	93	480162	157.156	ug/l	100
47) Bromodichloromethane	9.420	83	1217658	154.884	ug/l	99
48) Methyl methacrylate	9.213	41	497527	163.144	ug/l	97
49) 1,4-Dioxane	9.225	88	117513	3280.235	ug/l	98
51) 4-Methyl-2-Pentanone	9.993	43	2677587	814.509	ug/l	99
52) Toluene	10.164	92	2332797	158.762	ug/l	99
53) t-1,3-Dichloropropene	10.390	75	1162952	163.355	ug/l	99
54) cis-1,3-Dichloropropene	9.853	75	1366797	162.359	ug/l	99
55) 1,1,2-Trichloroethane	10.567	97	642236	157.090	ug/l	98
56) Ethyl methacrylate	10.432	69	908662	173.693	ug/l	100
57) 1,3-Dichloropropane	10.713	76	1087297	156.818	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.707	63	2167815	878.488	ug/l	99
59) 2-Hexanone	10.756	43	1848093	825.606	ug/l	100
60) Dibromochloromethane	10.908	129	860181	159.454	ug/l	99
61) 1,2-Dibromoethane	11.012	107	613069	159.546	ug/l	99
64) Tetrachloroethene	10.640	164	990664	146.682	ug/l	98
65) Chlorobenzene	11.438	112	2520874	154.514	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.511	131	871003	157.304	ug/l	99
67) Ethyl Benzene	11.511	91	4438665	158.093	ug/l	98
68) m/p-Xylenes	11.621	106	3511726	320.251	ug/l	96
69) o-Xylene	11.950	106	1683720	163.941	ug/l	100
70) Styrene	11.963	104	2846443	169.475	ug/l	99
71) Bromoform	12.127	173	523541	161.778	ug/l #	98
73) Isopropylbenzene	12.249	105	4269945	155.145	ug/l	99
74) N-amyl acetate	12.066	43	982090	168.265	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.499	83	717524	152.686	ug/l	100
76) 1,2,3-Trichloropropane	12.548	75	519276m	137.890	ug/l	
77) Bromobenzene	12.523	156	1021449	155.568	ug/l	99
78) n-propylbenzene	12.591	91	5048012	154.058	ug/l	99
79) 2-Chlorotoluene	12.676	91	2878647	153.331	ug/l	100
80) 1,3,5-Trimethylbenzene	12.731	105	3469329	155.973	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.298	75	245958	158.203	ug/l	97
82) 4-Chlorotoluene	12.773	91	2981042	153.063	ug/l	99
83) tert-Butylbenzene	12.993	119	3161475	157.371	ug/l	99
84) 1,2,4-Trimethylbenzene	13.036	105	3501626	158.143	ug/l	100
85) sec-Butylbenzene	13.170	105	4541629	153.897	ug/l	99
86) p-Isopropyltoluene	13.286	119	3918969	159.987	ug/l	99
87) 1,3-Dichlorobenzene	13.279	146	2049060	158.251	ug/l	99
88) 1,4-Dichlorobenzene	13.359	146	1941716	151.172	ug/l	98
89) n-Butylbenzene	13.609	91	3578272	159.048	ug/l	100
90) Hexachloroethane	13.871	117	772603	154.073	ug/l	99
91) 1,2-Dichlorobenzene	13.651	146	1754100	154.469	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.267	75	114505	156.498	ug/l	96
93) 1,2,4-Trichlorobenzene	14.913	180	1117401	166.397	ug/l	98
94) Hexachlorobutadiene	15.017	225	589351	149.352	ug/l	99
95) Naphthalene	15.139	128	2094983	182.954	ug/l	100
96) 1,2,3-Trichlorobenzene	15.322	180	975366	168.557	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081225\
Data File : VY023055.D
Acq On : 12 Aug 2025 16:47
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025

Quant Time: Aug 13 01:55:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 01:46:43 2025
Response via : Initial Calibration

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081225\
 Data File : VY023055.D
 Acq On : 12 Aug 2025 16:47
 Operator : SY/MD
 Sample : VSTDICC150
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC150

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025

Supervised By :Semsettin Yesilyurt 08/14/2025

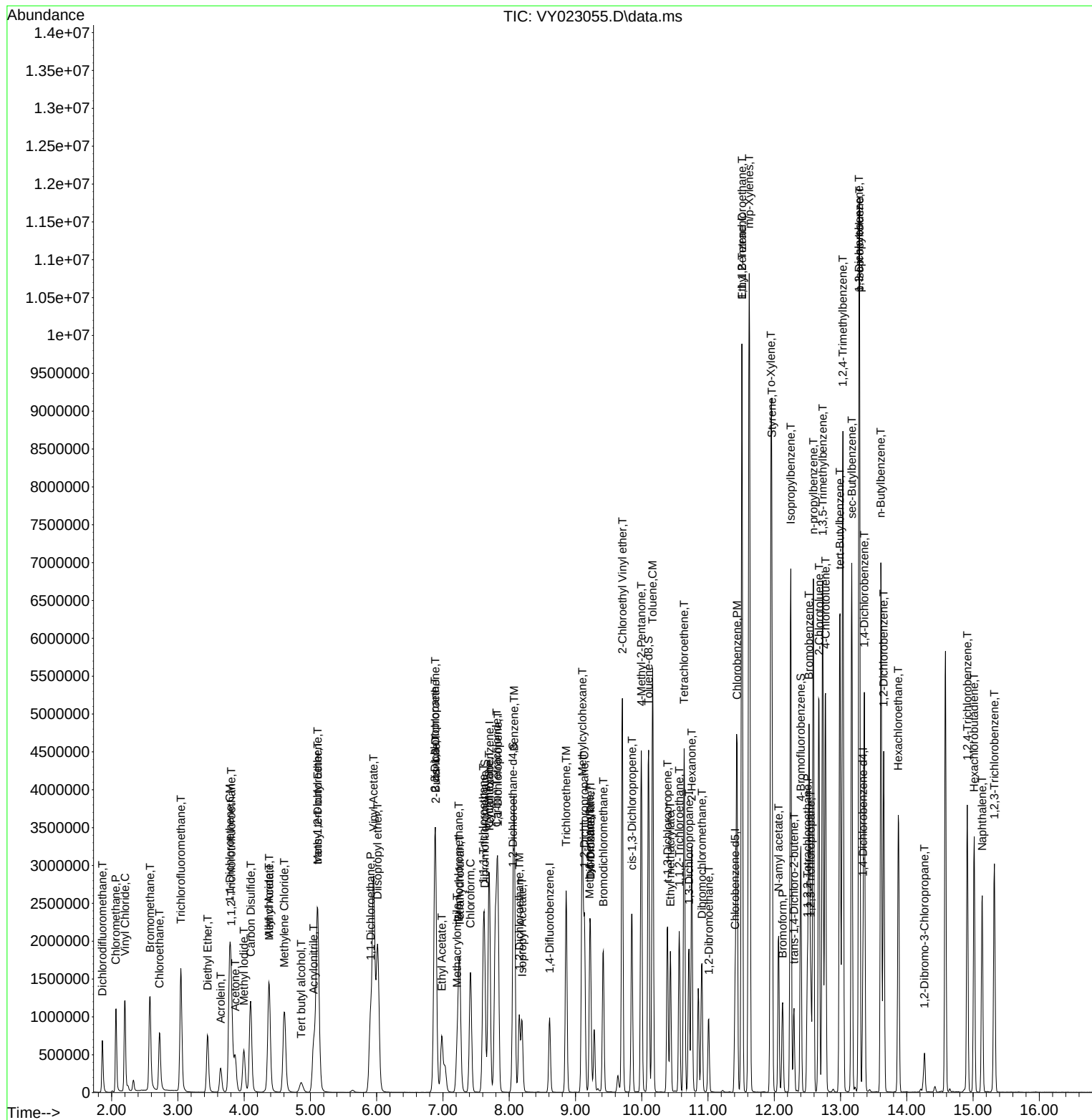
Quant Time: Aug 13 01:55:24 2025

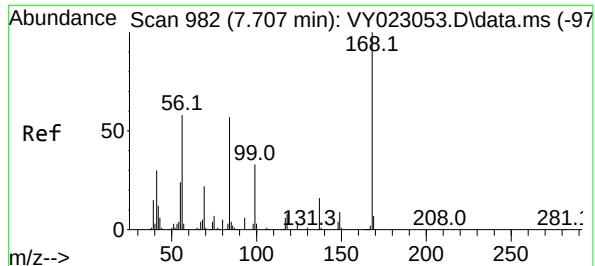
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M

Quant Title : SW846 8260

QLast Update : Wed Aug 13 01:46:43 2025

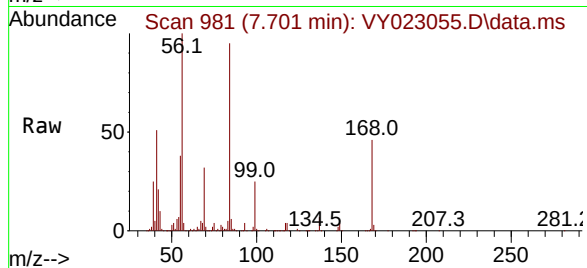
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.006 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

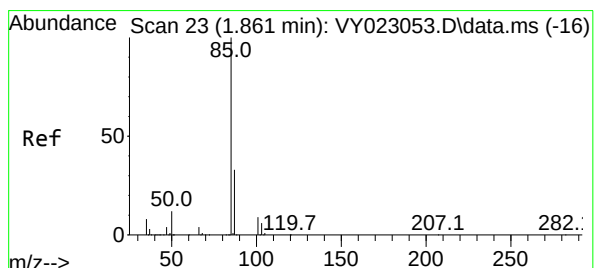
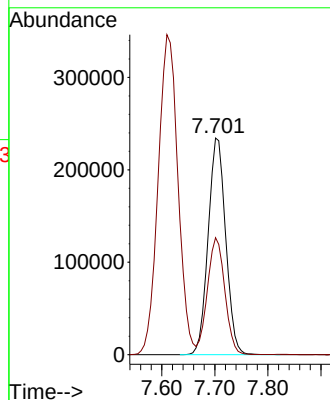
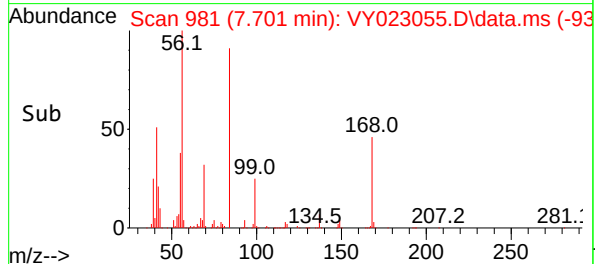
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150



Tgt Ion: 168 Resp: 538712
Ion Ratio Lower Upper
168 100
99 53.8 42.8 64.2

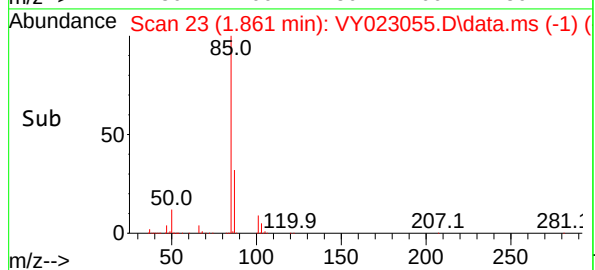
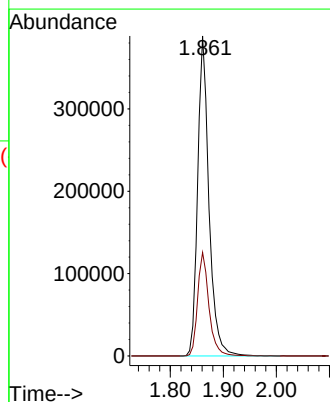
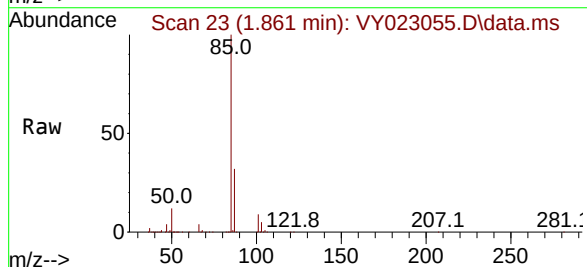
Manual Integrations
APPROVED

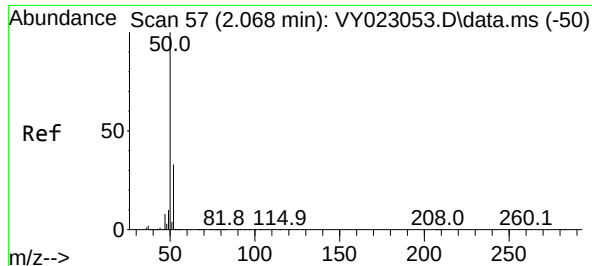
Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025



#2
Dichlorodifluoromethane
Concen: 130.017 ug/l
RT: 1.861 min Scan# 23
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion: 85 Resp: 571723
Ion Ratio Lower Upper
85 100
87 32.3 16.6 49.8





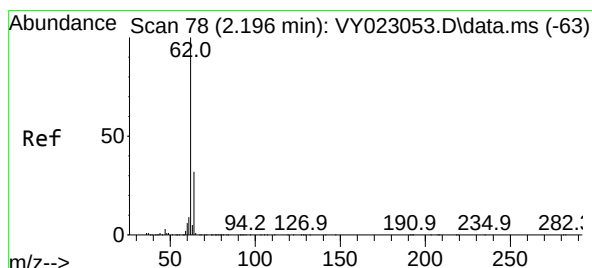
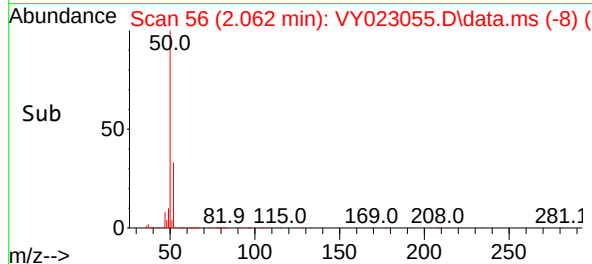
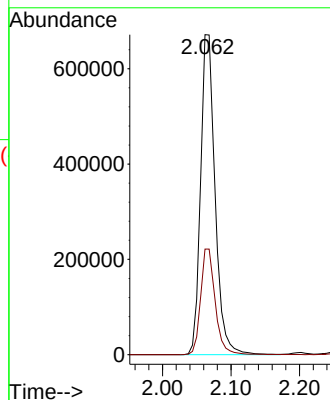
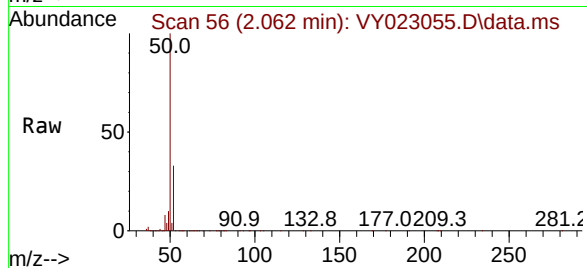
#3
Chloromethane
Concen: 139.173 ug/l
RT: 2.062 min Scan# 50
Delta R.T. -0.006 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 50 Resp: 991215
Ion Ratio Lower Upper
50 100
52 33.0 26.7 40.1

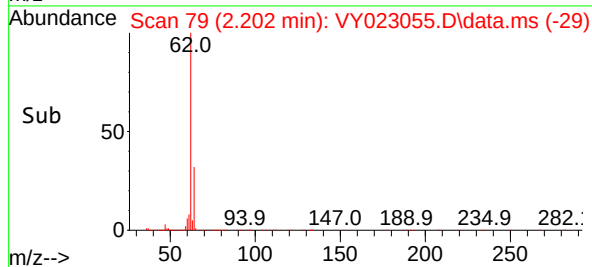
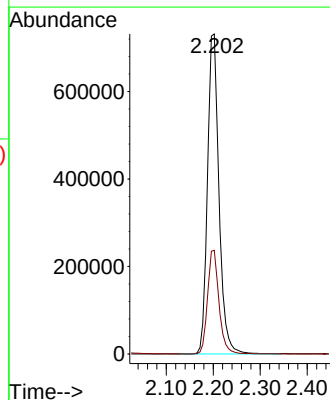
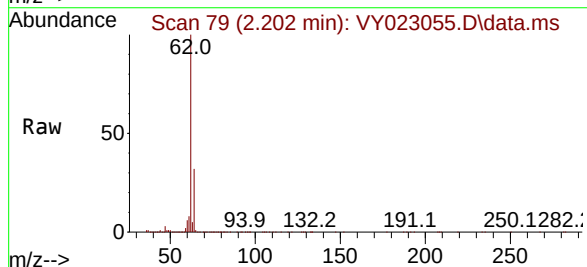
Manual Integrations
APPROVED

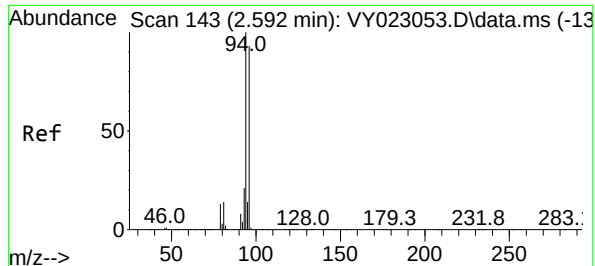
Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025



#4
Vinyl Chloride
Concen: 140.692 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.006 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion: 62 Resp: 1238646
Ion Ratio Lower Upper
62 100
64 32.4 25.4 38.0





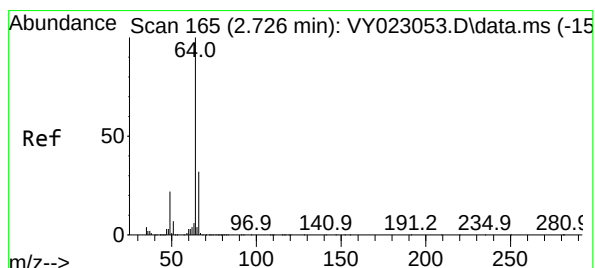
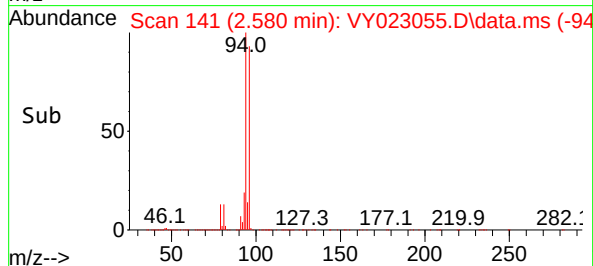
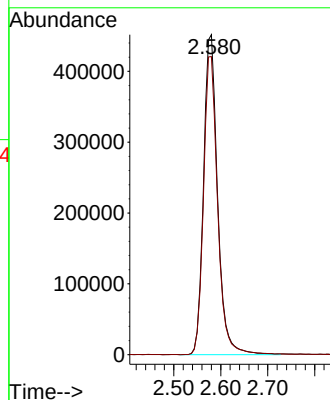
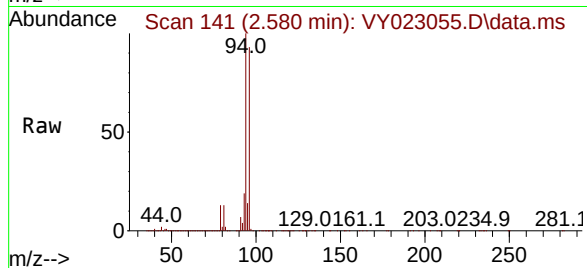
#5
Bromomethane
Concen: 142.770 ug/l
RT: 2.580 min Scan# 141
Delta R.T. -0.012 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tgt Ion: 94 Resp: 93871
Ion Ratio Lower Upper
94 100
96 93.2 74.6 112.0

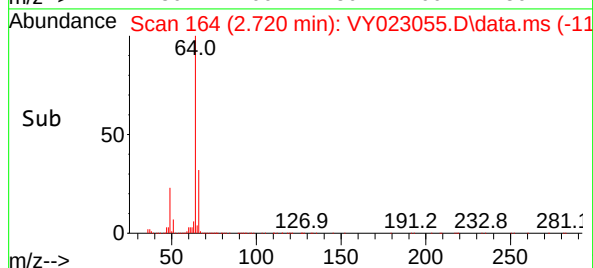
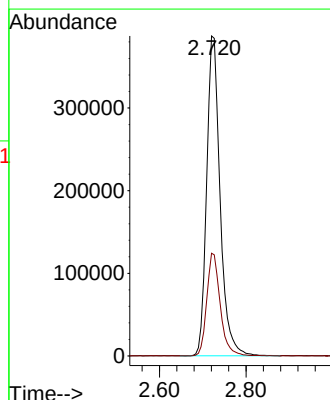
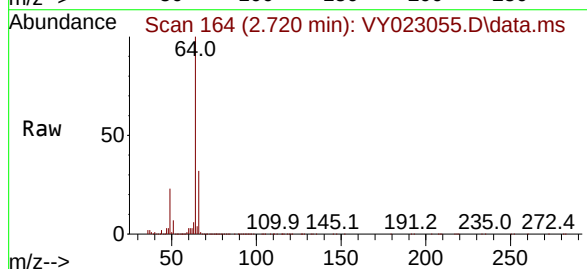
Manual Integrations
APPROVED

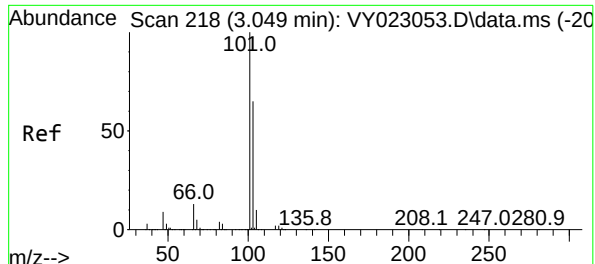
Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025



#6
Chloroethane
Concen: 142.581 ug/l
RT: 2.720 min Scan# 164
Delta R.T. -0.006 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion: 64 Resp: 834547
Ion Ratio Lower Upper
64 100
66 32.1 25.8 38.6





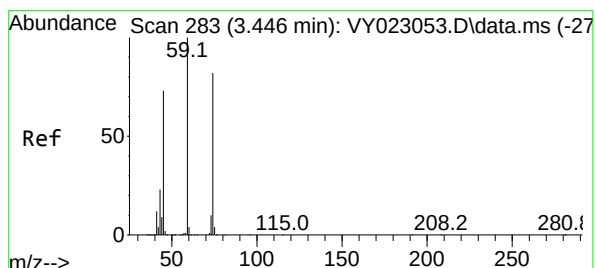
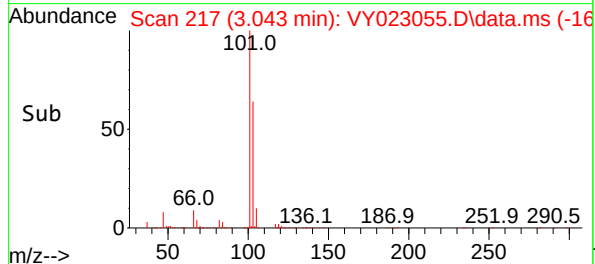
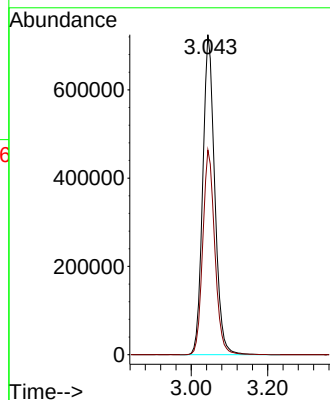
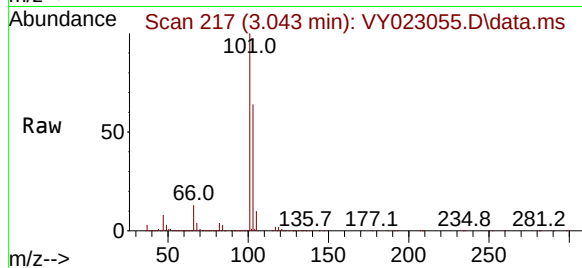
#7
Trichlorofluoromethane
Concen: 147.051 ug/l
RT: 3.043 min Scan# 218
Delta R.T. -0.006 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:101 Resp: 157421
Ion Ratio Lower Upper
101 100
103 63.9 51.9 77.9

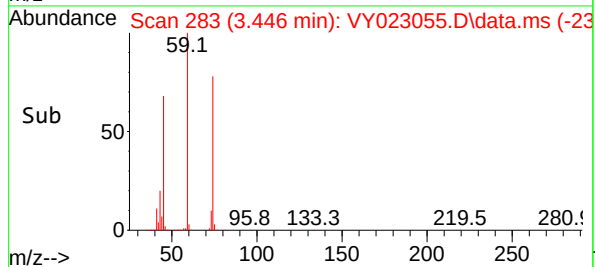
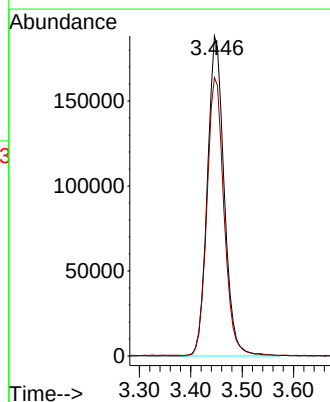
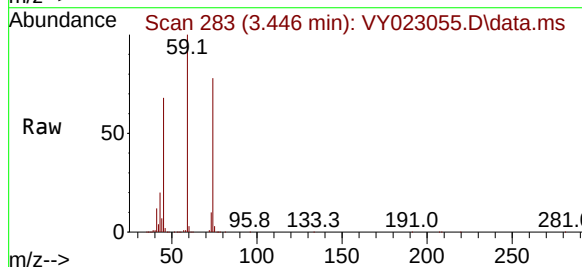
Manual Integrations
APPROVED

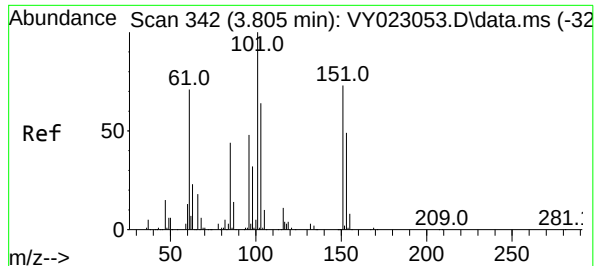
Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025



#8
Diethyl Ether
Concen: 150.496 ug/l
RT: 3.446 min Scan# 283
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion: 74 Resp: 426242
Ion Ratio Lower Upper
74 100
45 88.9 44.4 133.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 144.479 ug/l

RT: 3.806 min Scan# 342

Delta R.T. 0.000 min

Lab File: VY023055.D

Acq: 12 Aug 2025 16:47

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion:101 Resp: 76305

Ion Ratio Lower Upper

101 100

85 44.7 36.3 54.5

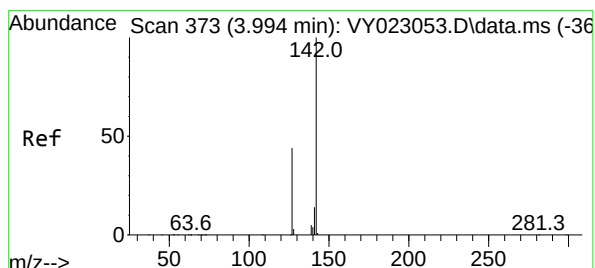
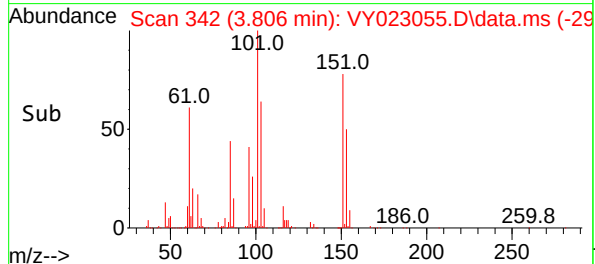
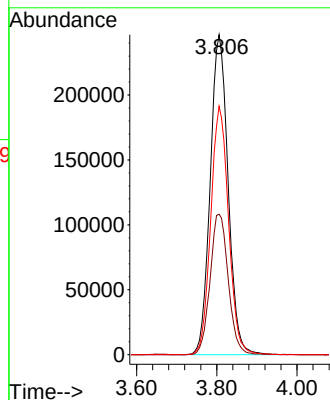
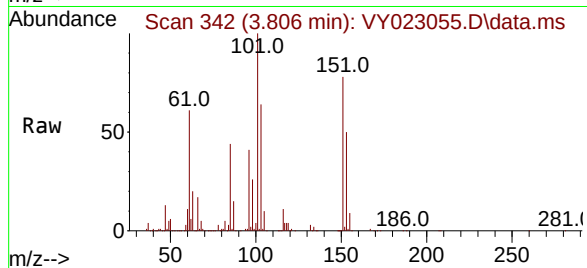
151 77.4 61.5 92.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025

Supervised By :Semsettin Yesilyurt 08/14/2025



#10

Methyl Iodide

Concen: 159.567 ug/l

RT: 3.995 min Scan# 373

Delta R.T. 0.000 min

Lab File: VY023055.D

Acq: 12 Aug 2025 16:47

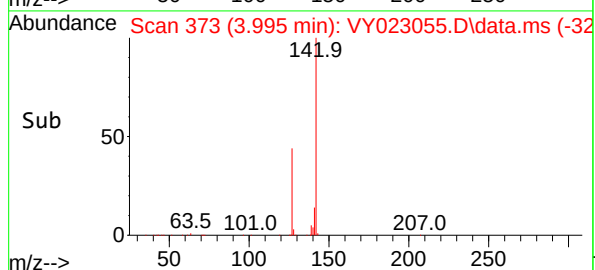
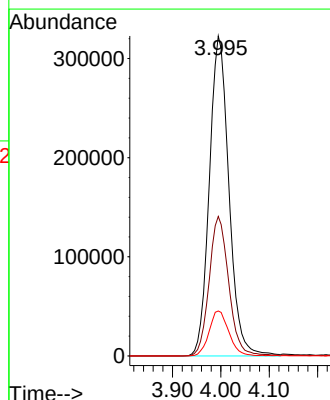
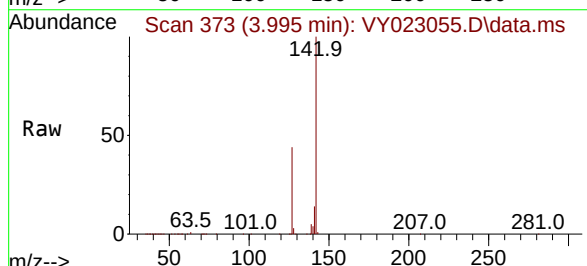
Tgt Ion:142 Resp: 909378

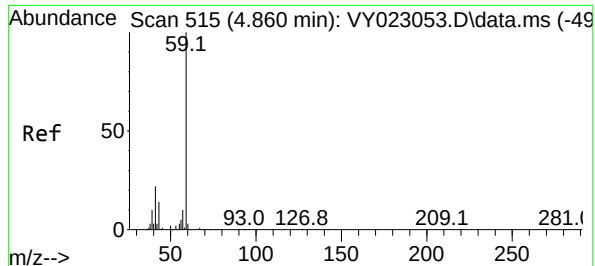
Ion Ratio Lower Upper

142 100

127 43.7 34.9 52.3

141 14.2 11.3 16.9





#11

Tert butyl alcohol

Concen: 753.967 ug/l

RT: 4.860 min Scan# 515

Delta R.T. 0.000 min

Lab File: VY023055.D

Acq: 12 Aug 2025 16:47

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion: 59 Resp: 26524

Ion Ratio Lower Upper

59 100

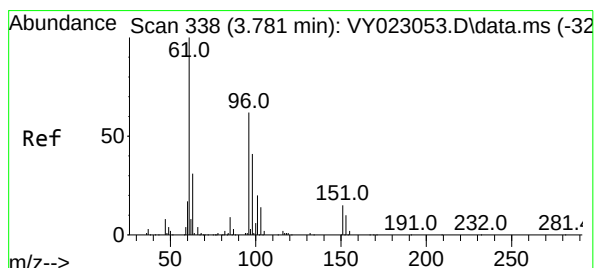
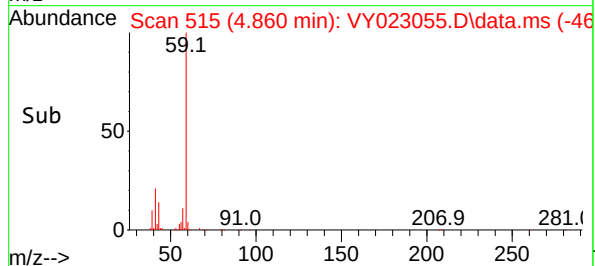
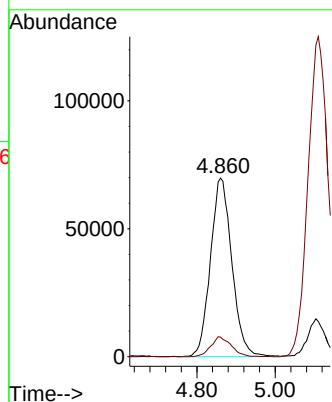
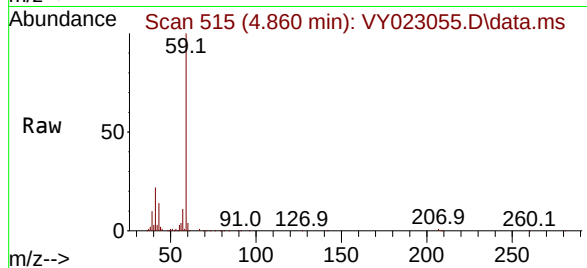
57 10.7 8.6 13.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025

Supervised By :Semsettin Yesilyurt 08/14/2025



#12

1,1-Dichloroethene

Concen: 147.960 ug/l

RT: 3.781 min Scan# 338

Delta R.T. 0.000 min

Lab File: VY023055.D

Acq: 12 Aug 2025 16:47

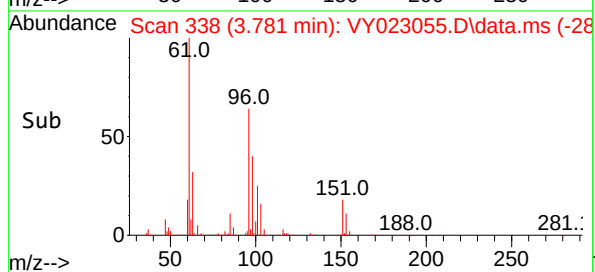
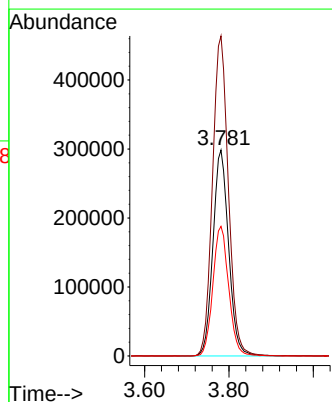
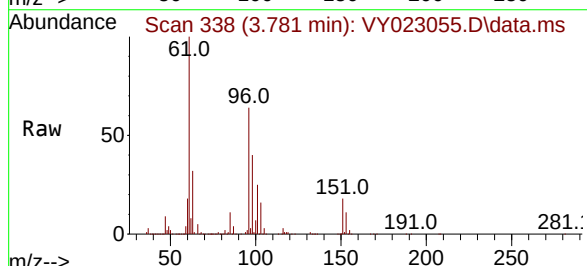
Tgt Ion: 96 Resp: 768098

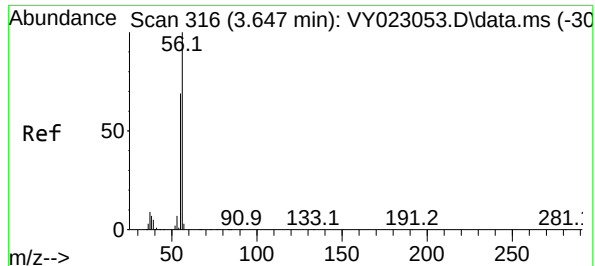
Ion Ratio Lower Upper

96 100

61 155.4 129.4 194.2

98 62.9 52.8 79.2





#13

Acrolein

Concen: 727.070 ug/l

RT: 3.647 min Scan# 316

Delta R.T. 0.000 min

Lab File: VY023055.D

Acq: 12 Aug 2025 16:47

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC150

Tgt Ion: 56 Resp: 374594

Ion Ratio Lower Upper

56 100

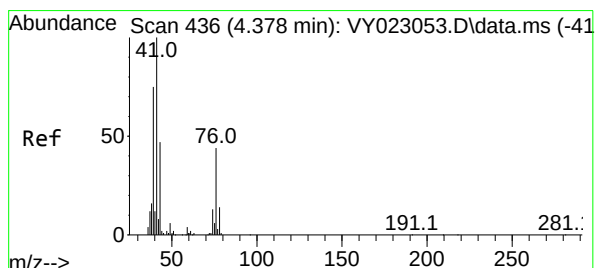
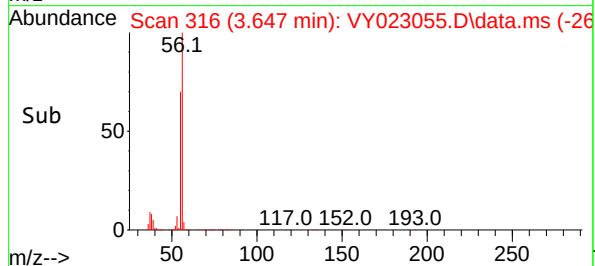
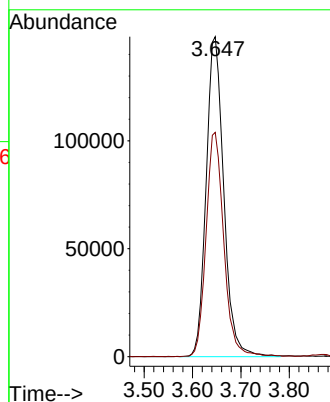
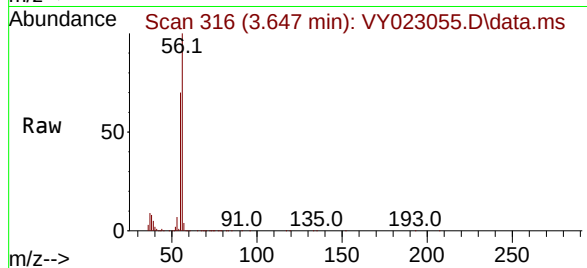
55 70.6 55.2 82.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025

Supervised By :Semsettin Yesilyurt 08/14/2025



#14

Allyl chloride

Concen: 150.707 ug/l

RT: 4.372 min Scan# 435

Delta R.T. -0.006 min

Lab File: VY023055.D

Acq: 12 Aug 2025 16:47

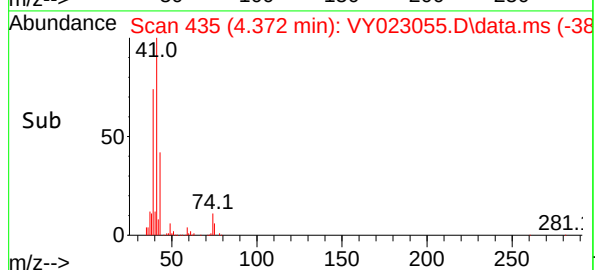
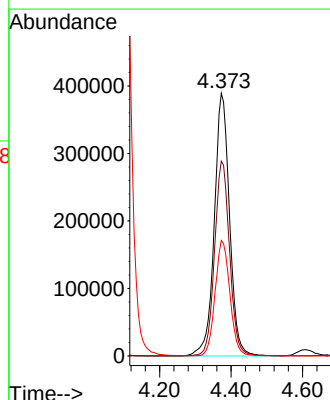
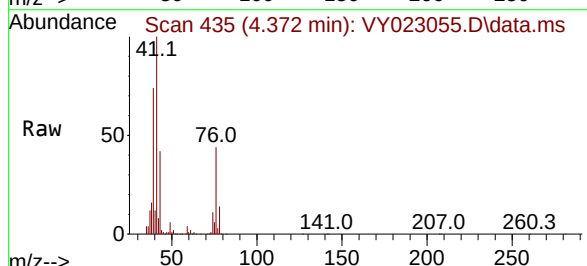
Tgt Ion: 41 Resp: 1151194

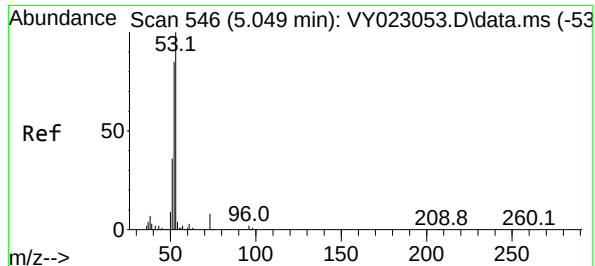
Ion Ratio Lower Upper

41 100

39 73.2 59.8 89.6

76 42.6 33.7 50.5





#15

Acrylonitrile

Concen: 767.115 ug/l

RT: 5.049 min Scan# 546

Delta R.T. 0.000 min

Lab File: VY023055.D

Acq: 12 Aug 2025 16:47

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion: 53 Resp: 88329

Ion Ratio Lower Upper

53 100

52 80.4 65.3 97.9

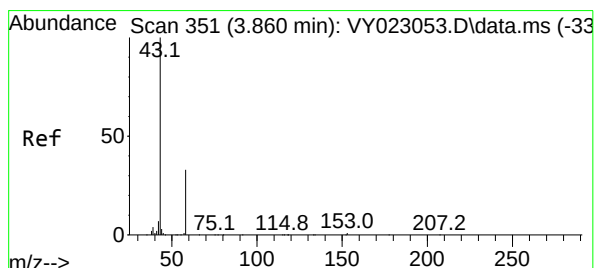
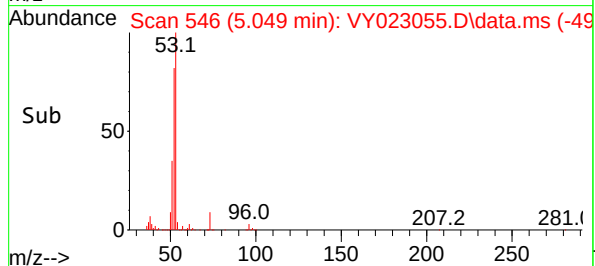
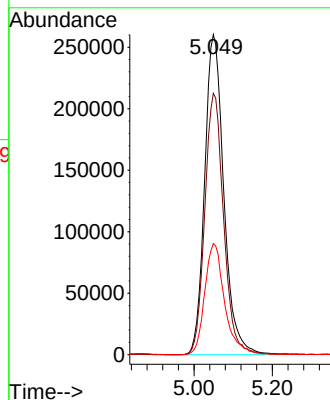
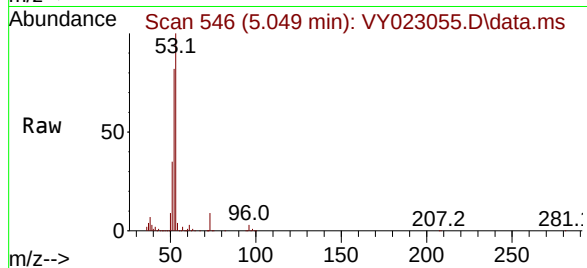
51 36.2 29.5 44.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025

Supervised By :Semsettin Yesilyurt 08/14/2025



#16

Acetone

Concen: 699.133 ug/l

RT: 3.866 min Scan# 352

Delta R.T. 0.006 min

Lab File: VY023055.D

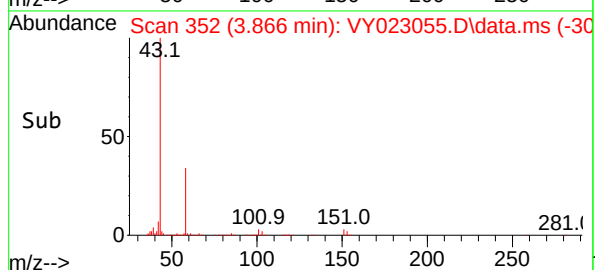
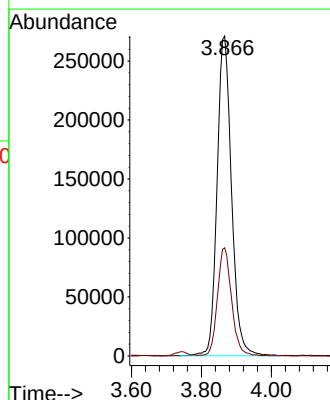
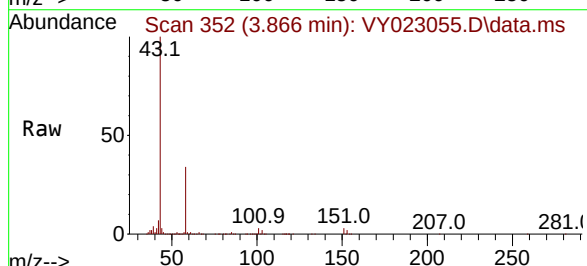
Acq: 12 Aug 2025 16:47

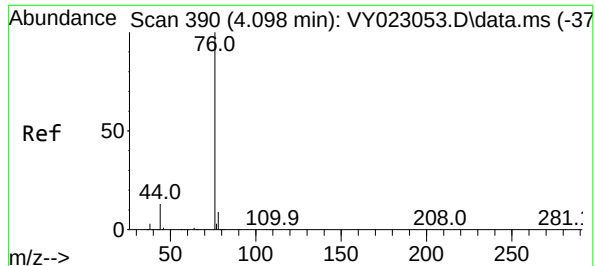
Tgt Ion: 43 Resp: 777658

Ion Ratio Lower Upper

43 100

58 33.7 27.1 40.7





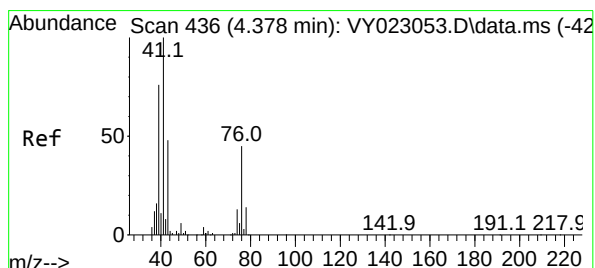
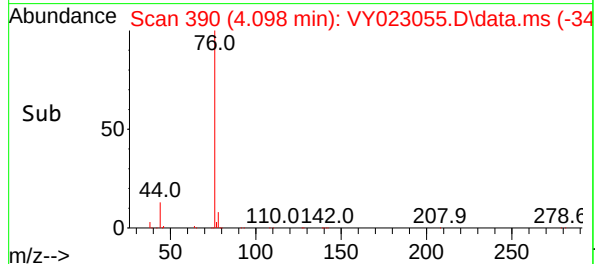
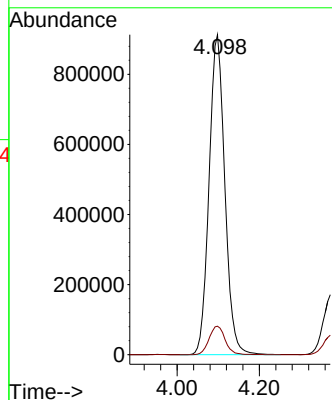
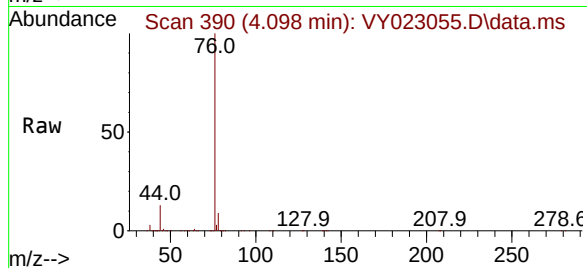
#17
Carbon Disulfide
Concen: 143.357 ug/l
RT: 4.098 min Scan# 390
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 76 Resp: 242656
Ion Ratio Lower Upper
76 100
78 8.9 7.4 11.2

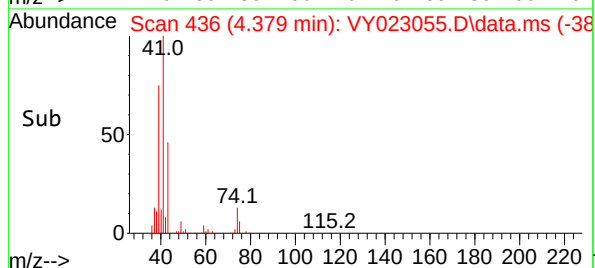
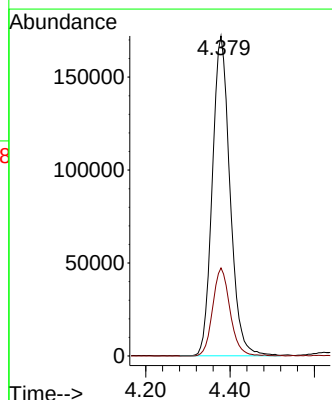
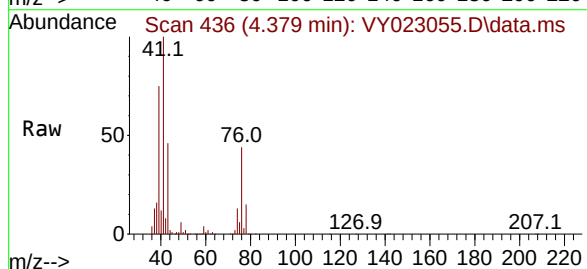
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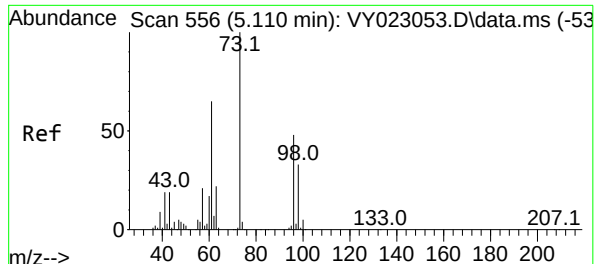
Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025



#18
Methyl Acetate
Concen: 151.100 ug/l
RT: 4.379 min Scan# 436
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion: 43 Resp: 500151
Ion Ratio Lower Upper
43 100
74 27.1 21.2 31.8





#19

Methyl tert-butyl Ether

Concen: 157.144 ug/l

RT: 5.110 min Scan# 511

Delta R.T. 0.000 min

Lab File: VY023055.D

Acq: 12 Aug 2025 16:47

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion: 73 Resp: 2113920

Ion Ratio Lower Upper

73 100

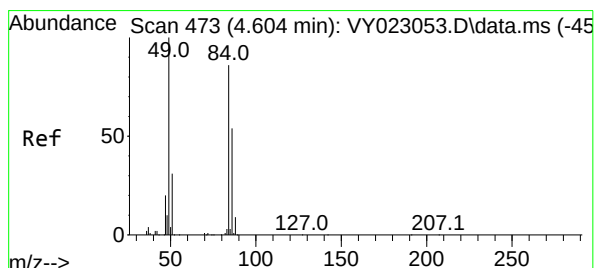
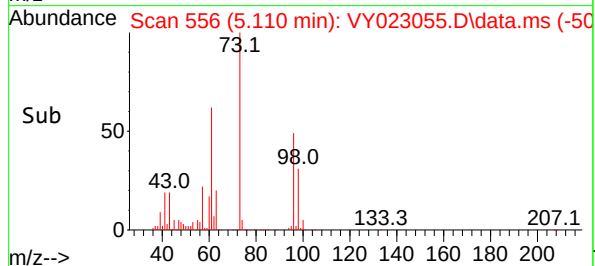
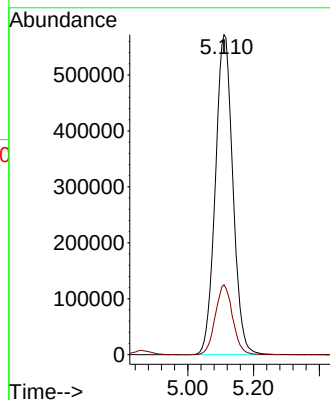
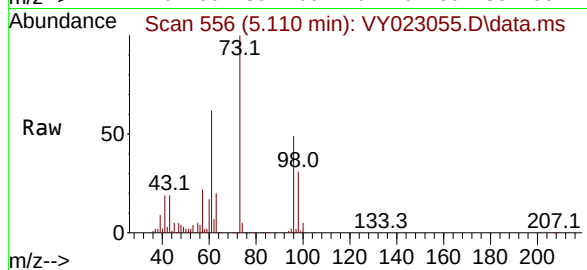
57 21.9 17.1 25.7

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025

Supervised By :Semsettin Yesilyurt 08/14/2025



#20

Methylene Chloride

Concen: 152.064 ug/l

RT: 4.604 min Scan# 473

Delta R.T. 0.000 min

Lab File: VY023055.D

Acq: 12 Aug 2025 16:47

Tgt Ion: 84 Resp: 846955

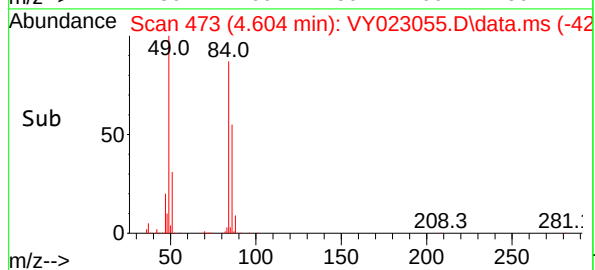
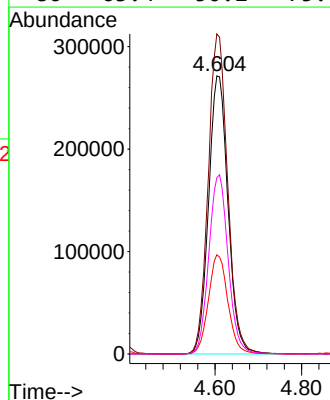
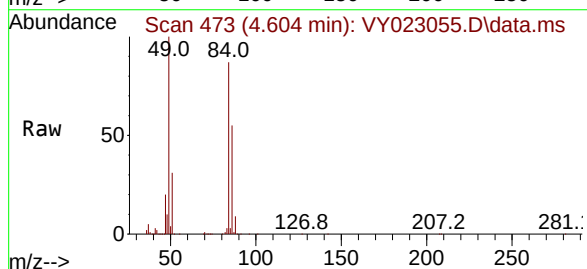
Ion Ratio Lower Upper

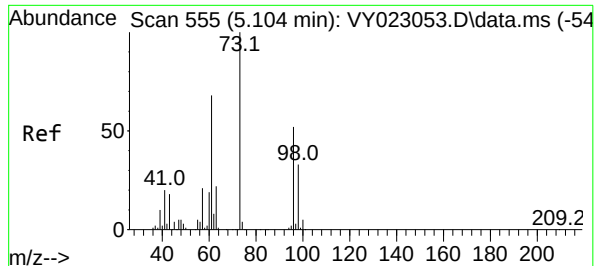
84 100

49 115.1 93.0 139.6

51 35.7 29.0 43.4

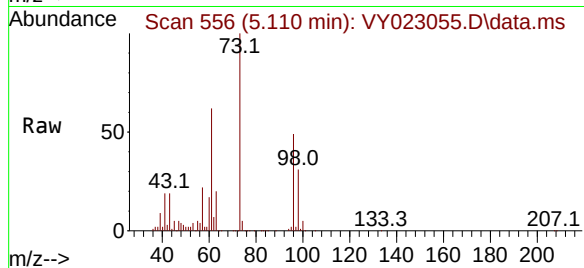
86 63.4 50.2 75.4





#21
trans-1,2-Dichloroethene
Concen: 152.474 ug/l
RT: 5.110 min Scan# 51
Delta R.T. 0.006 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

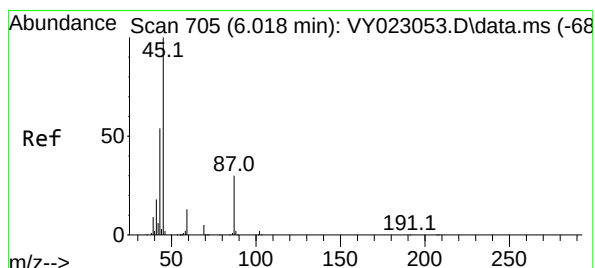
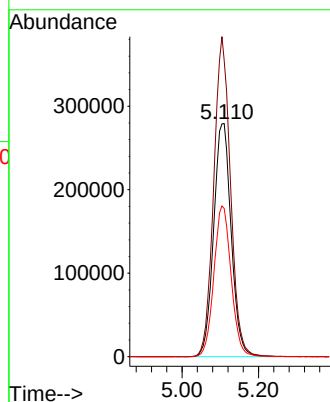
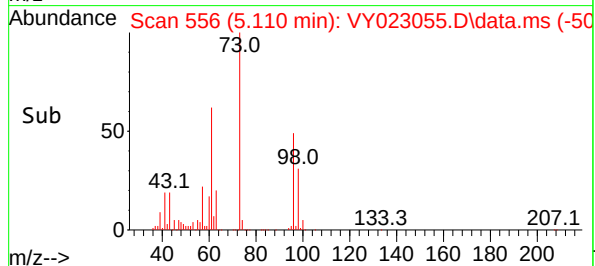
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150



Tgt Ion: 96 Resp: 88951
Ion Ratio Lower Upper
96 100
61 127.0 104.8 157.2
98 63.5 50.1 75.1

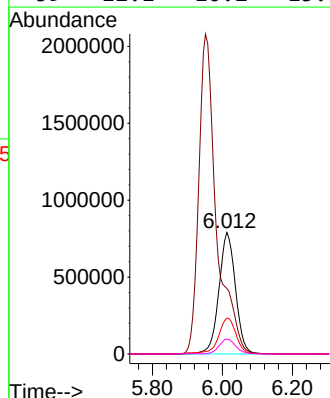
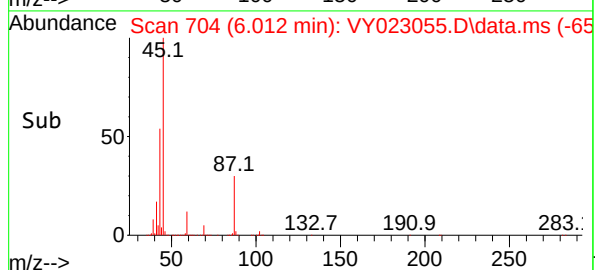
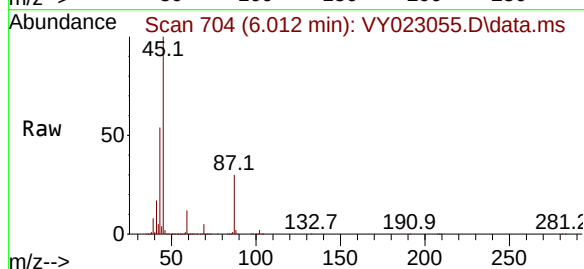
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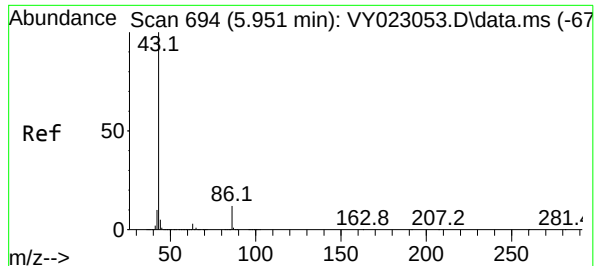
Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025



#22
Diisopropyl ether
Concen: 156.307 ug/l
RT: 6.012 min Scan# 704
Delta R.T. -0.006 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion: 45 Resp: 2594499
Ion Ratio Lower Upper
45 100
43 53.8 43.4 65.0
87 29.5 24.4 36.6
59 12.1 10.2 15.4





#23

Vinyl Acetate

Concen: 791.851 ug/l

RT: 5.951 min Scan# 694

Delta R.T. 0.000 min

Lab File: VY023055.D

Acq: 12 Aug 2025 16:47

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC150

Tgt Ion: 43 Resp: 7267824

Ion Ratio Lower Upper

43 100

86 12.3

9.6

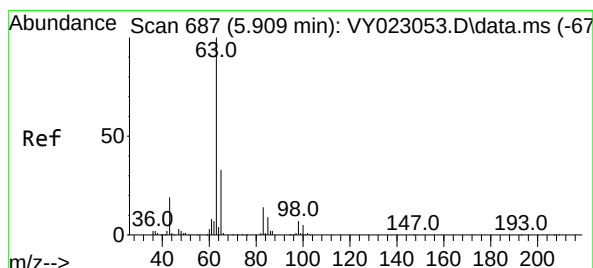
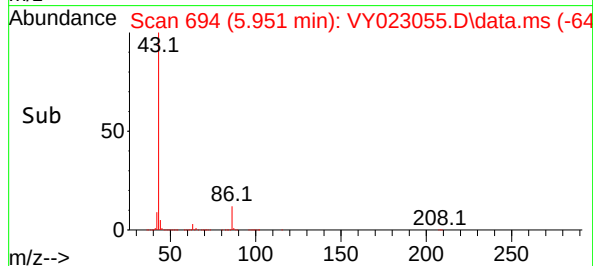
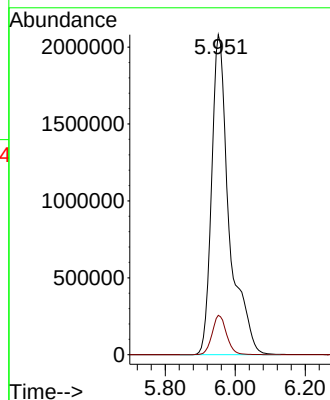
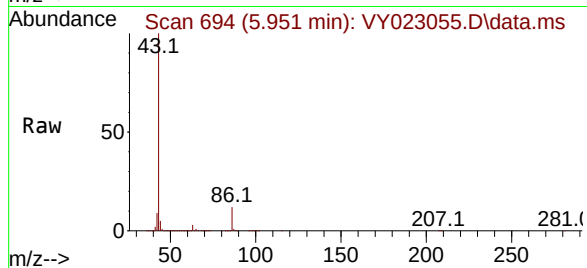
14.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025

Supervised By :Semsettin Yesilyurt 08/14/2025



#24

1,1-Dichloroethane

Concen: 150.534 ug/l

RT: 5.909 min Scan# 687

Delta R.T. 0.000 min

Lab File: VY023055.D

Acq: 12 Aug 2025 16:47

Tgt Ion: 63 Resp: 1527663

Ion Ratio Lower Upper

63 100

98 7.4

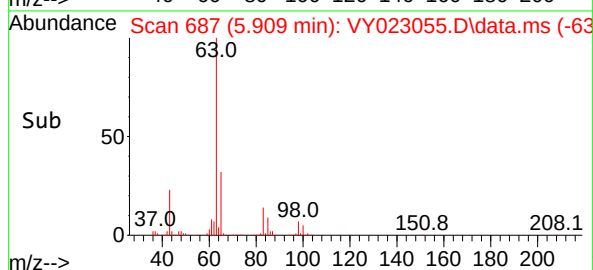
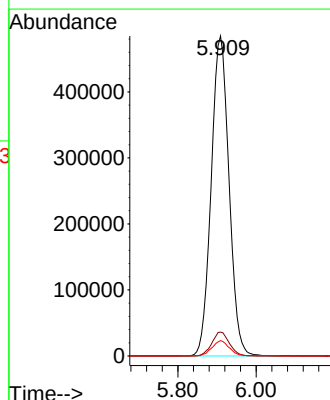
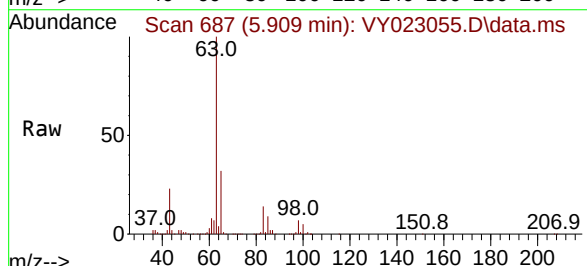
3.5

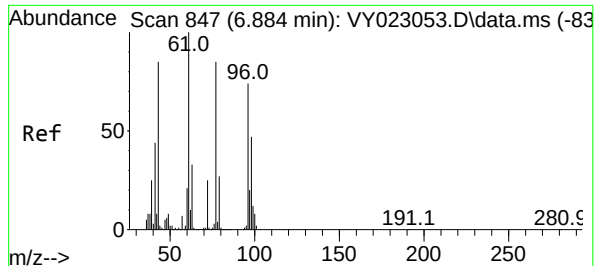
10.6

100 4.8

2.4

7.1





#25

2-Butanone

Concen: 756.289 ug/l

RT: 6.890 min Scan# 847

Delta R.T. 0.006 min

Lab File: VY023055.D

Acq: 12 Aug 2025 16:47

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion: 43 Resp: 114411

Ion Ratio Lower Upper

43 100

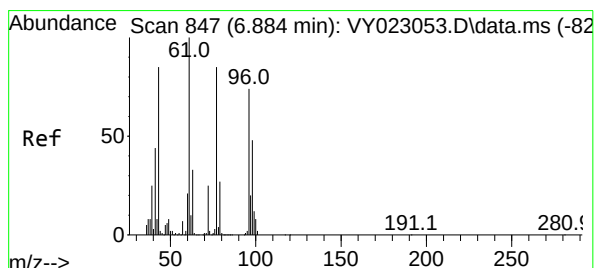
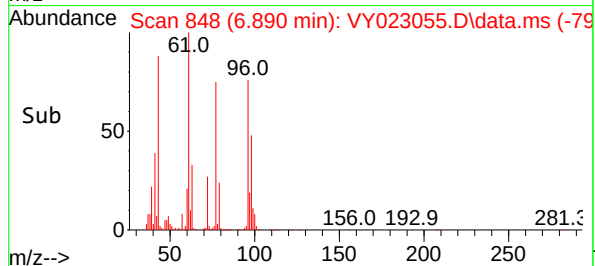
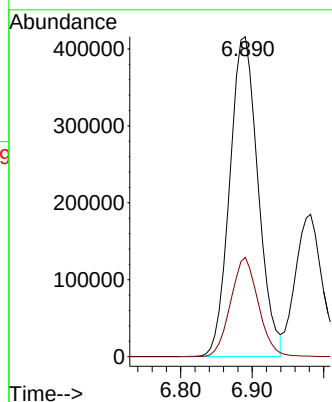
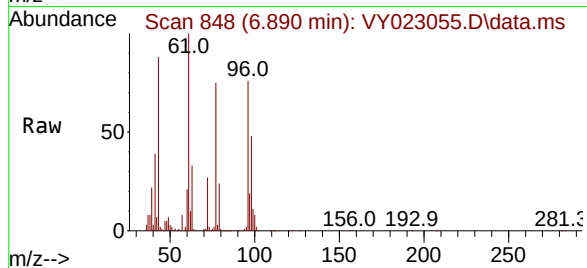
72 31.1 23.5 35.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025

Supervised By :Semsettin Yesilyurt 08/14/2025



#26

2,2-Dichloropropane

Concen: 147.663 ug/l

RT: 6.878 min Scan# 846

Delta R.T. -0.006 min

Lab File: VY023055.D

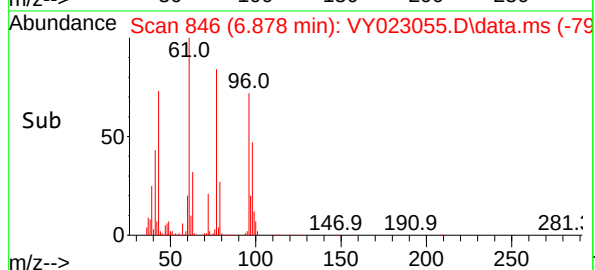
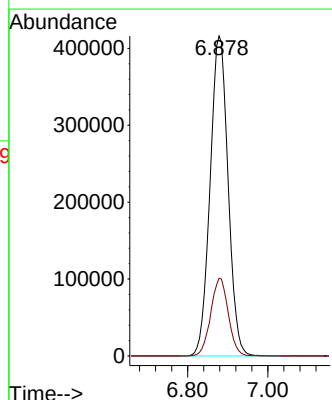
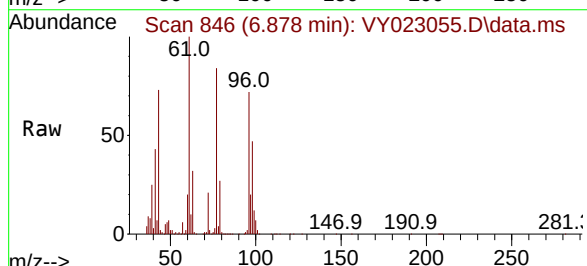
Acq: 12 Aug 2025 16:47

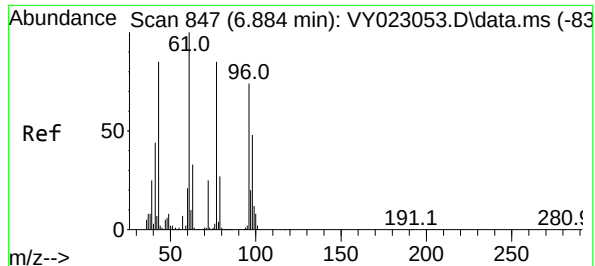
Tgt Ion: 77 Resp: 1293043

Ion Ratio Lower Upper

77 100

97 23.8 11.6 34.8





#27

cis-1,2-Dichloroethene

Concen: 155.348 ug/l

RT: 6.884 min Scan# 847

Delta R.T. 0.000 min

Lab File: VY023055.D

Acq: 12 Aug 2025 16:47

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion: 96 Resp: 104771

Ion Ratio Lower Upper

96 100

61 136.6 0.0 278.6

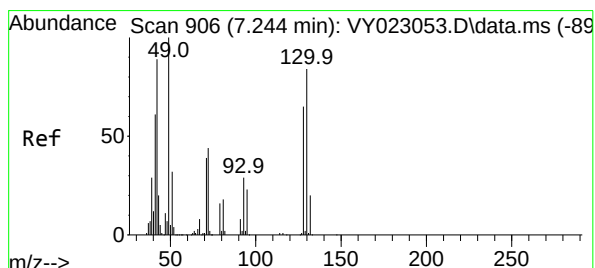
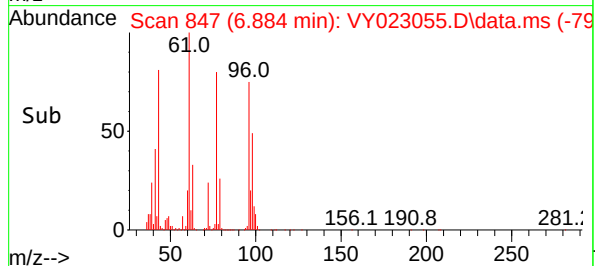
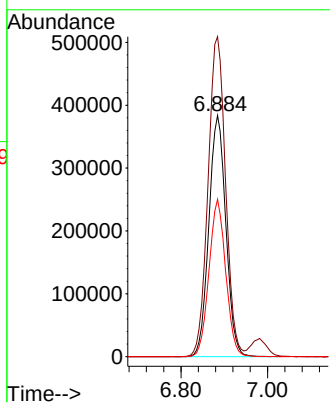
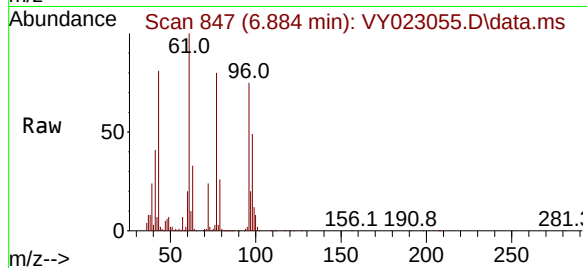
98 64.1 0.0 130.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025

Supervised By :Semsettin Yesilyurt 08/14/2025



#28

Bromochloromethane

Concen: 148.984 ug/l

RT: 7.238 min Scan# 905

Delta R.T. -0.006 min

Lab File: VY023055.D

Acq: 12 Aug 2025 16:47

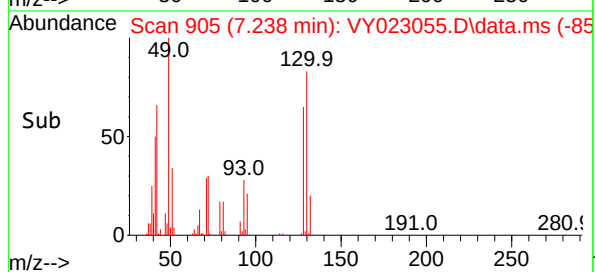
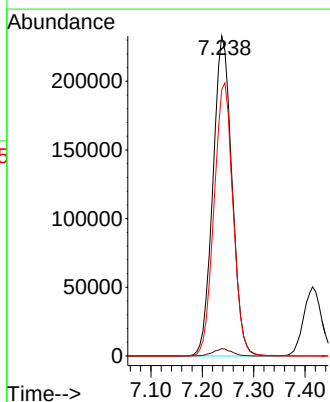
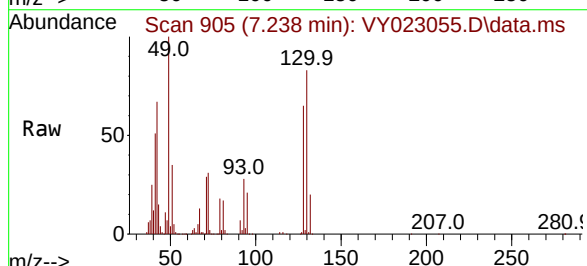
Tgt Ion: 49 Resp: 599841

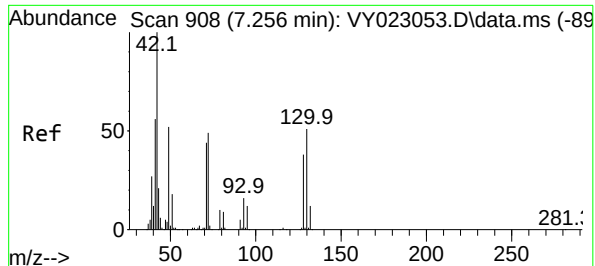
Ion Ratio Lower Upper

49 100

129 2.2 0.0 4.2

130 84.9 66.4 99.6





#29

Tetrahydrofuran

Concen: 783.186 ug/l

RT: 7.256 min Scan# 908

Delta R.T. 0.000 min

Lab File: VY023055.D

Acq: 12 Aug 2025 16:47

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion: 42 Resp: 734408

Ion Ratio Lower Upper

42 100

72 48.3 39.4 59.2

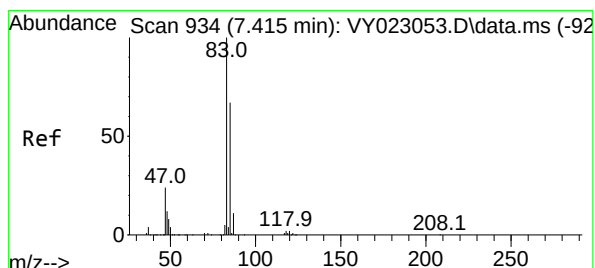
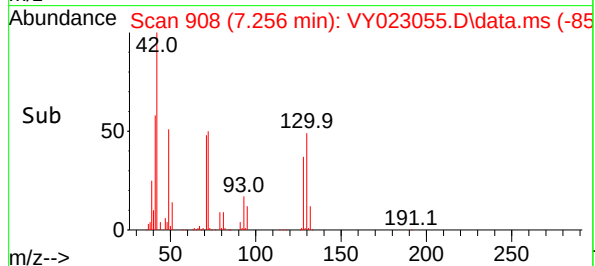
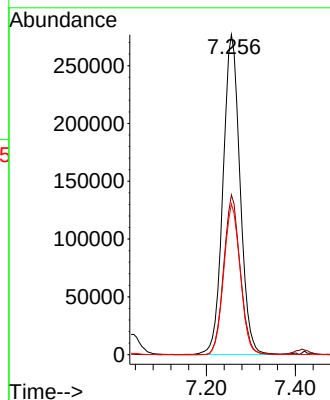
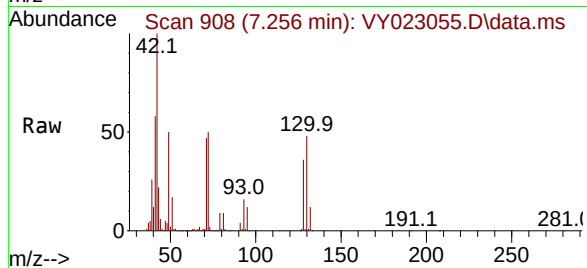
71 45.8 36.5 54.7

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025

Supervised By :Semsettin Yesilyurt 08/14/2025



#30

Chloroform

Concen: 151.505 ug/l

RT: 7.415 min Scan# 934

Delta R.T. 0.000 min

Lab File: VY023055.D

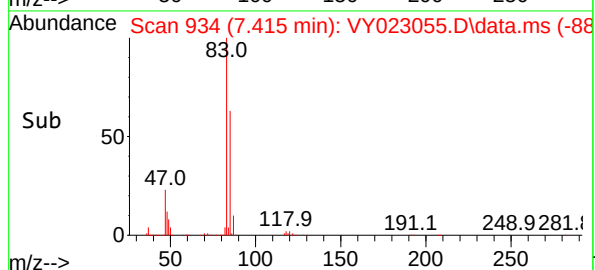
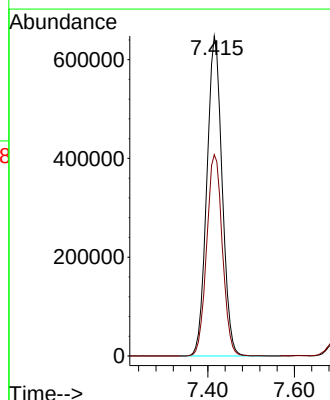
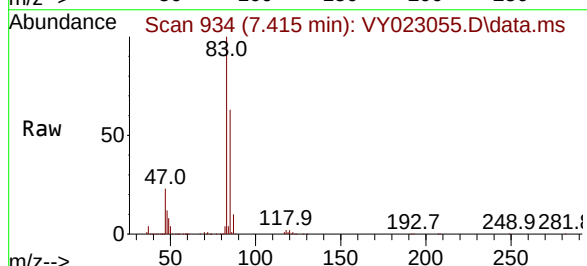
Acq: 12 Aug 2025 16:47

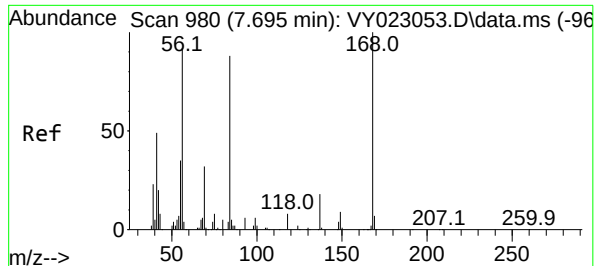
Tgt Ion: 83 Resp: 1585686

Ion Ratio Lower Upper

83 100

85 62.9 53.8 80.8





#31

Cyclohexane

Concen: 141.586 ug/l

RT: 7.695 min Scan# 980

Delta R.T. 0.000 min

Lab File: VY023055.D

Acq: 12 Aug 2025 16:47

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC150

Tgt Ion: 56 Resp: 135402

Ion Ratio Lower Upper

56 100

69 32.4 28.2 42.2

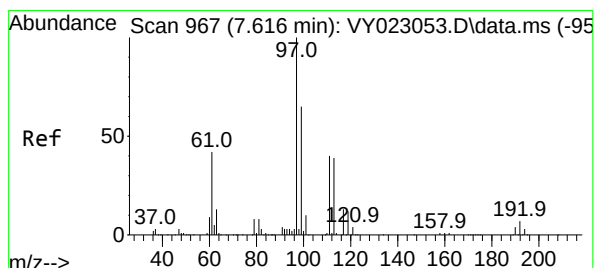
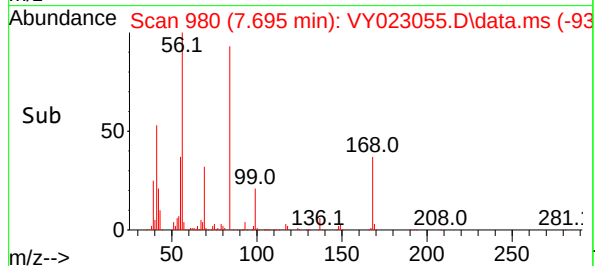
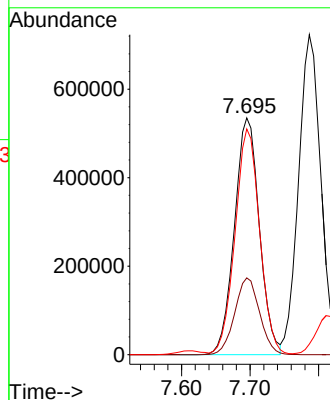
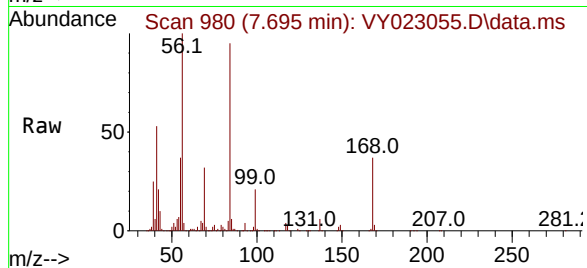
84 94.2 76.6 114.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025

Supervised By :Semsettin Yesilyurt 08/14/2025



#32

1,1,1-Trichloroethane

Concen: 150.372 ug/l

RT: 7.610 min Scan# 966

Delta R.T. -0.006 min

Lab File: VY023055.D

Acq: 12 Aug 2025 16:47

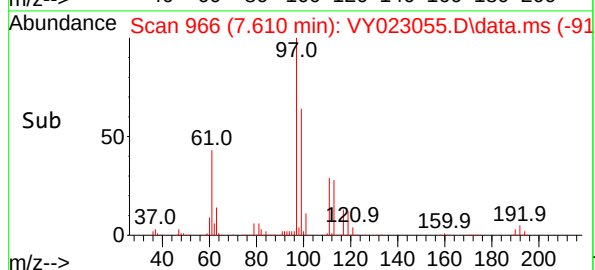
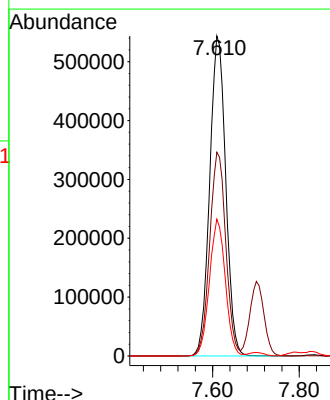
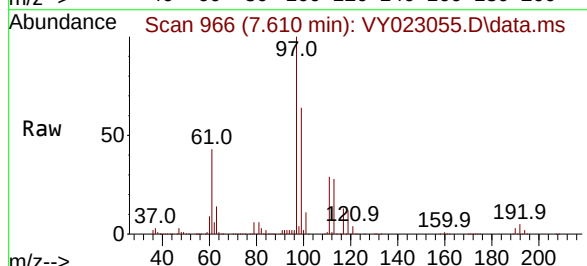
Tgt Ion: 97 Resp: 1396470

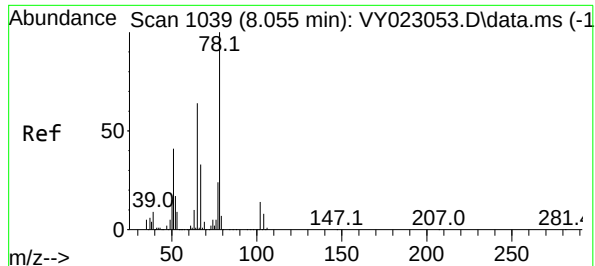
Ion Ratio Lower Upper

97 100

99 64.3 51.6 77.4

61 42.4 34.2 51.2





#33

1,2-Dichloroethane-d4

Concen: 145.480 ug/l

RT: 8.055 min Scan# 1039

Delta R.T. 0.000 min

Lab File: VY023055.D

Acq: 12 Aug 2025 16:47

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion: 65 Resp: 746930

Ion Ratio Lower Upper

65 100

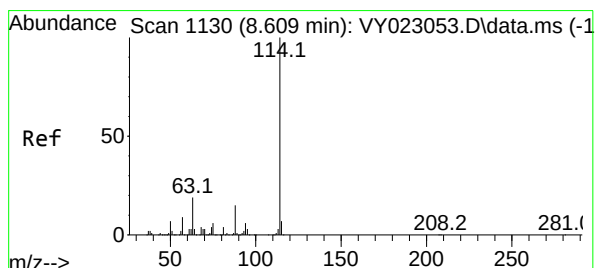
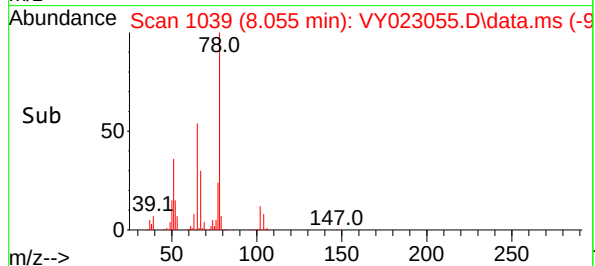
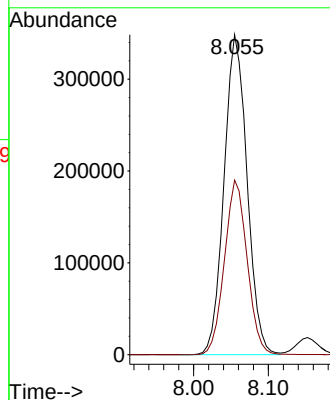
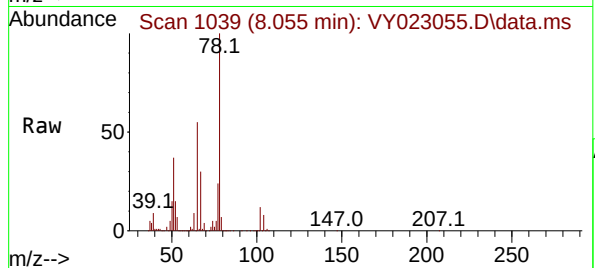
67 53.8 0.0 106.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025

Supervised By :Semsettin Yesilyurt 08/14/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.610 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VY023055.D

Acq: 12 Aug 2025 16:47

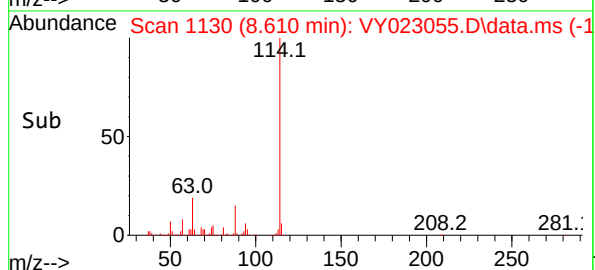
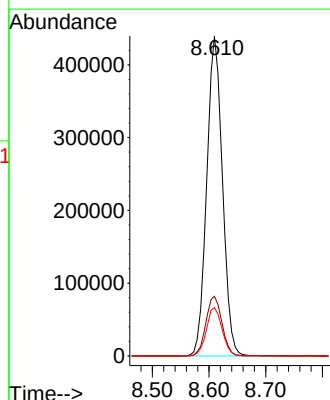
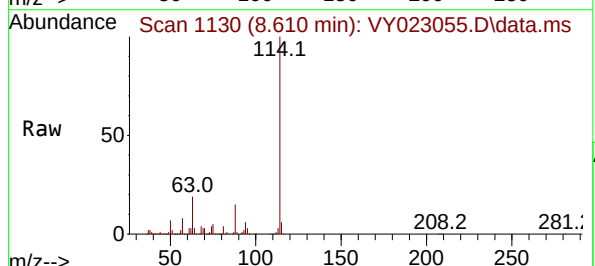
Tgt Ion:114 Resp: 844092

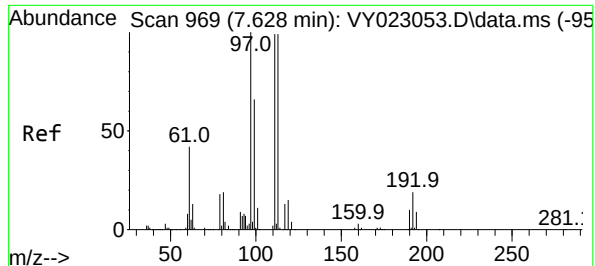
Ion Ratio Lower Upper

114 100

63 18.7 0.0 38.4

88 15.1 0.0 30.0





#35

Dibromofluoromethane

Concen: 152.837 ug/l

RT: 7.628 min Scan# 969

Delta R.T. 0.000 min

Lab File: VY023055.D

Acq: 12 Aug 2025 16:47

Instrument :

MSVOA_Y

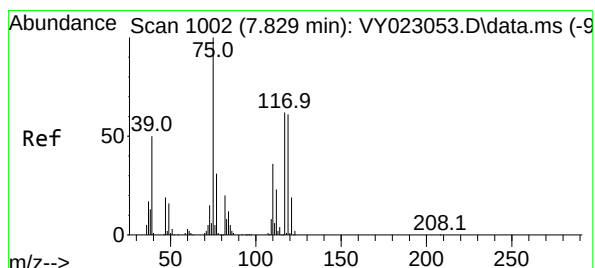
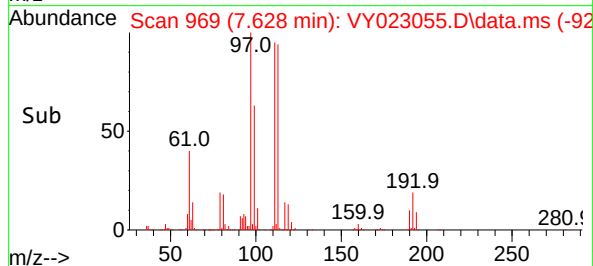
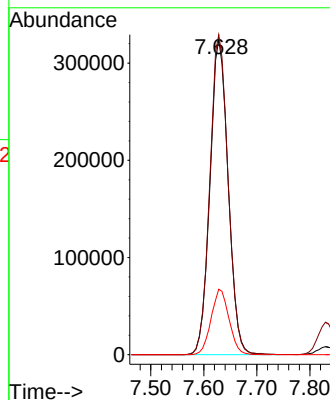
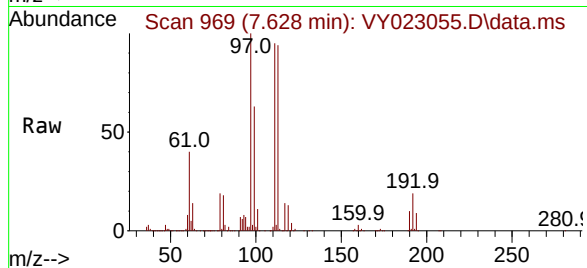
ClientSampleId :

VSTDIC150

Tgt Ion:	113	Resp:	771944
Ion	Ratio	Lower	Upper
113	100		
111	101.8	81.1	121.7
192	20.4	16.2	24.4

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025



#36

1,1-Dichloropropene

Concen: 150.850 ug/l

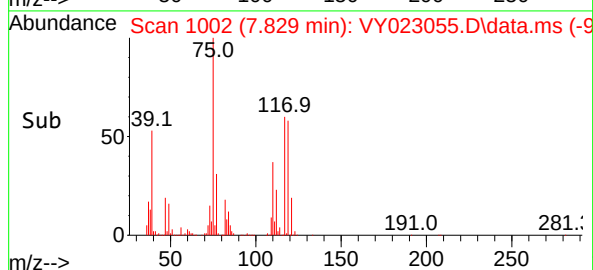
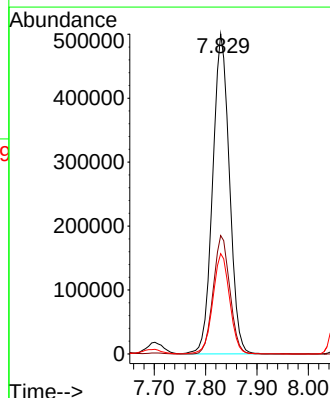
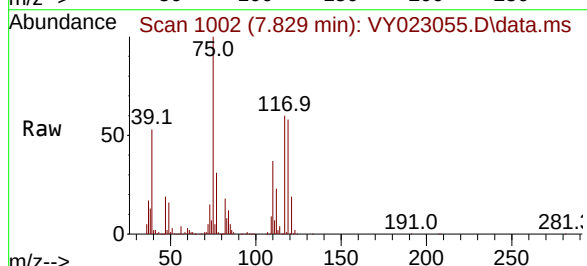
RT: 7.829 min Scan# 1002

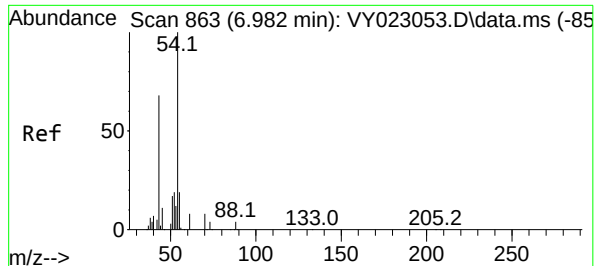
Delta R.T. 0.000 min

Lab File: VY023055.D

Acq: 12 Aug 2025 16:47

Tgt Ion:	75	Resp:	1132306
Ion	Ratio	Lower	Upper
75	100		
110	36.5	18.1	54.4
77	31.5	24.6	37.0





#37

Ethyl Acetate

Concen: 156.788 ug/l

RT: 6.982 min Scan# 80

Delta R.T. 0.000 min

Lab File: VY023055.D

Acq: 12 Aug 2025 16:47

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC150

Tgt Ion: 43 Resp: 49437

Ion Ratio Lower Upper

43 100

61 15.1 11.9 17.9

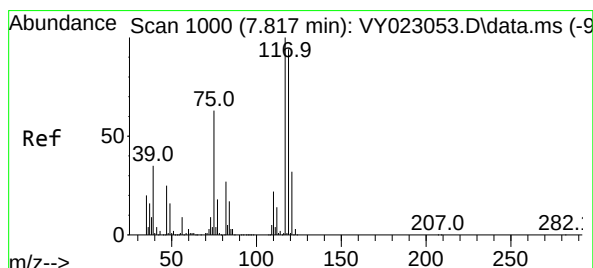
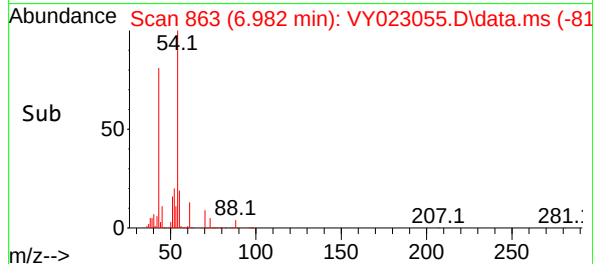
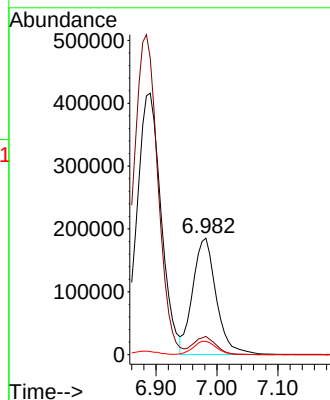
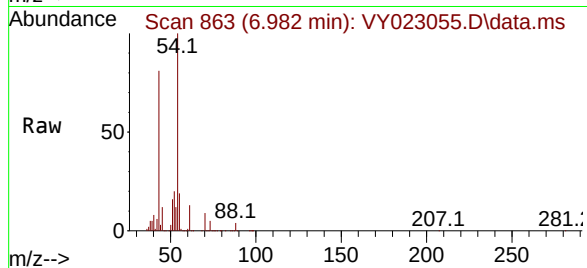
70 11.4 8.8 13.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025

Supervised By :Semsettin Yesilyurt 08/14/2025



#38

Carbon Tetrachloride

Concen: 150.478 ug/l

RT: 7.811 min Scan# 999

Delta R.T. -0.006 min

Lab File: VY023055.D

Acq: 12 Aug 2025 16:47

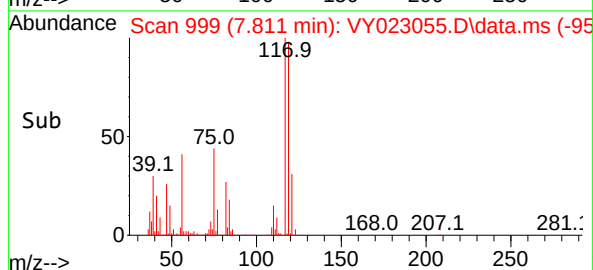
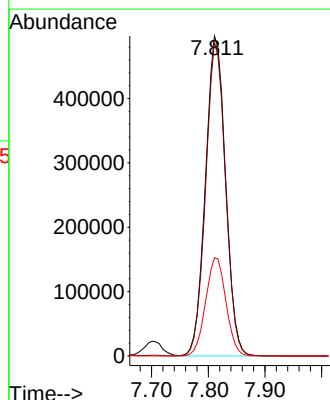
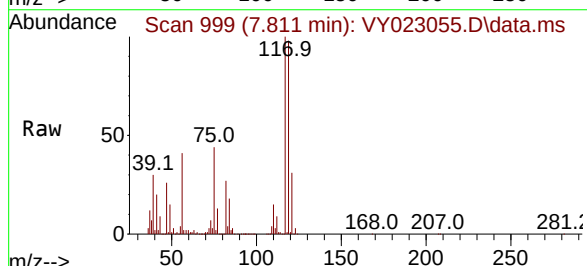
Tgt Ion:117 Resp: 1226800

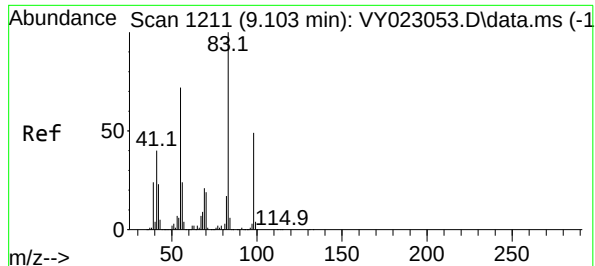
Ion Ratio Lower Upper

117 100

119 98.1 75.6 113.4

121 30.7 25.8 38.8





#39

Methylcyclohexane

Concen: 157.417 ug/l

RT: 9.103 min Scan# 1211

Delta R.T. 0.000 min

Lab File: VY023055.D

Acq: 12 Aug 2025 16:47

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC150

Tgt Ion: 83 Resp: 1556004

Ion Ratio Lower Upper

83 100

55 69.6 57.6 86.4

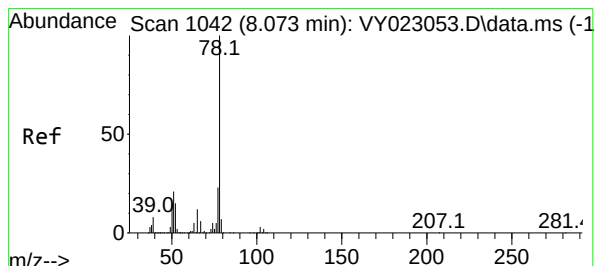
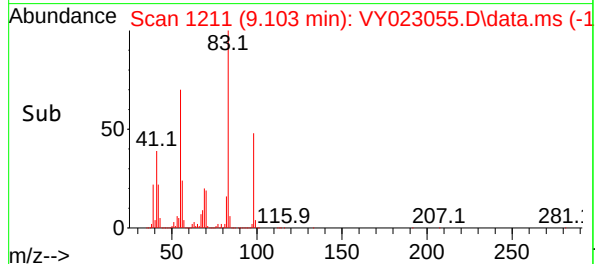
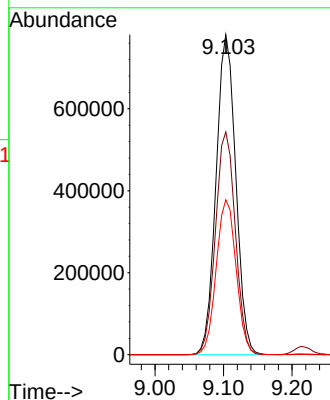
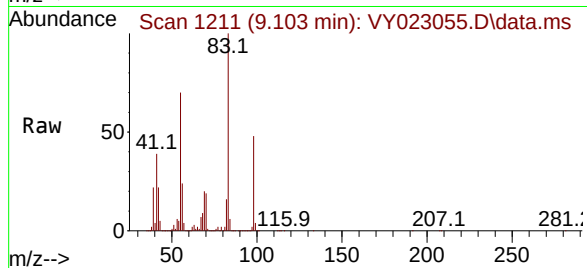
98 48.4 39.2 58.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025

Supervised By :Semsettin Yesilyurt 08/14/2025



#40

Benzene

Concen: 152.720 ug/l

RT: 8.073 min Scan# 1042

Delta R.T. 0.000 min

Lab File: VY023055.D

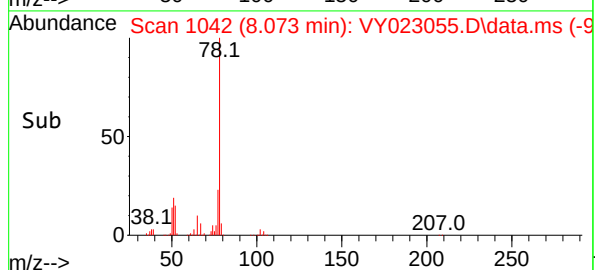
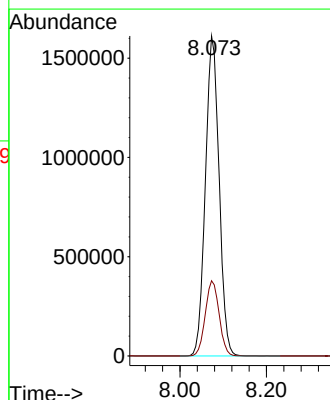
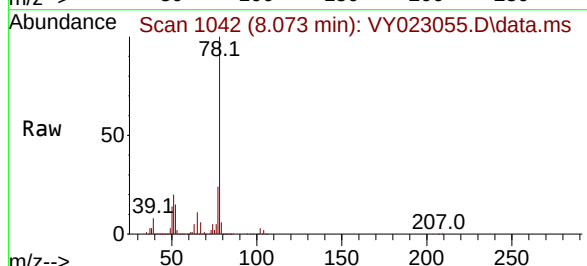
Acq: 12 Aug 2025 16:47

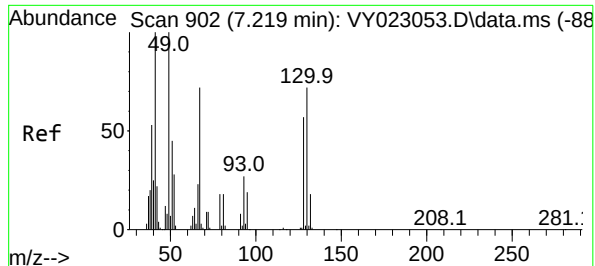
Tgt Ion: 78 Resp: 3533174

Ion Ratio Lower Upper

78 100

77 23.5 18.6 28.0





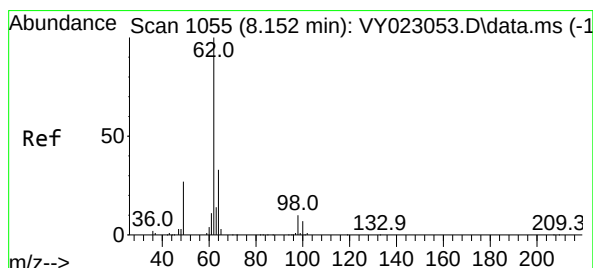
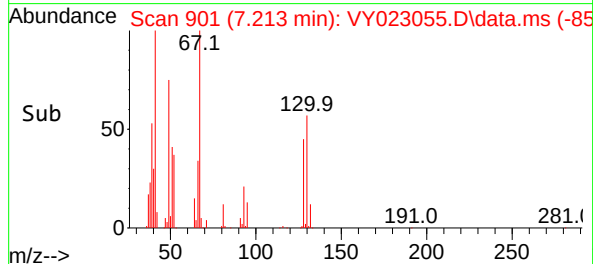
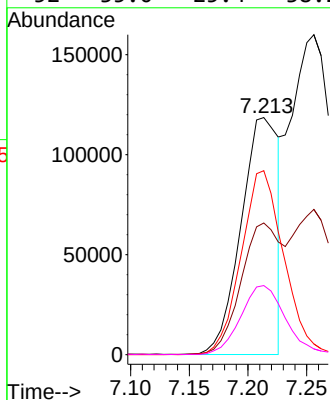
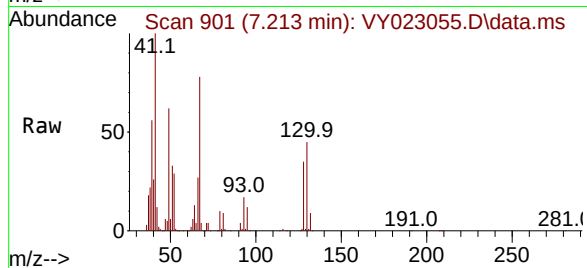
#41
Methacrylonitrile
Concen: 143.669 ug/l
RT: 7.213 min Scan# 901
Delta R.T. -0.006 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 41 Resp: 26172
Ion Ratio Lower Upper
41 100
39 62.2 43.4 65.2
67 89.0 63.6 95.4
52 35.0 25.4 38.2

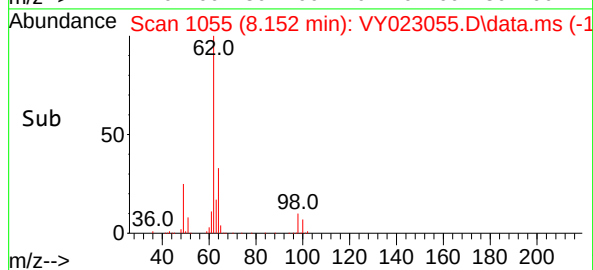
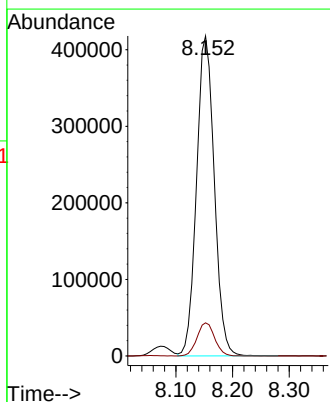
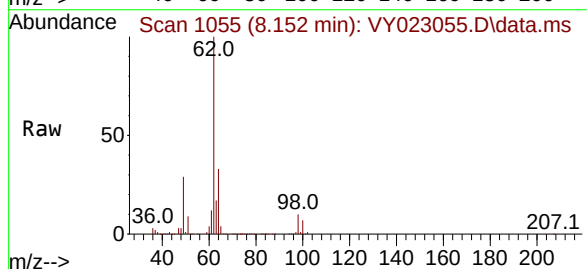
Manual Integrations
APPROVED

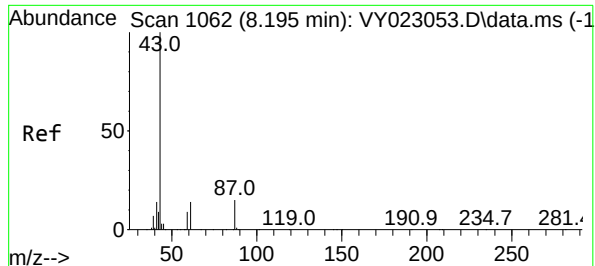
Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025



#42
1,2-Dichloroethane
Concen: 151.078 ug/l
RT: 8.152 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion: 62 Resp: 909030
Ion Ratio Lower Upper
62 100
98 10.3 0.0 20.6





#43

Isopropyl Acetate

Concen: 161.596 ug/l

RT: 8.195 min Scan# 1062

Delta R.T. 0.000 min

Lab File: VY023055.D

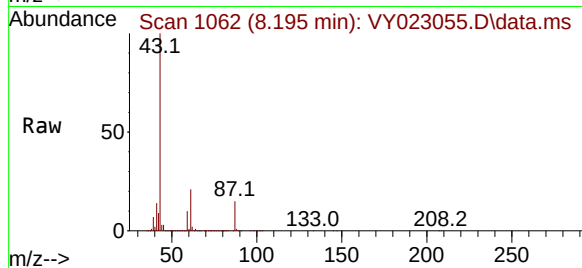
Acq: 12 Aug 2025 16:47

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC150



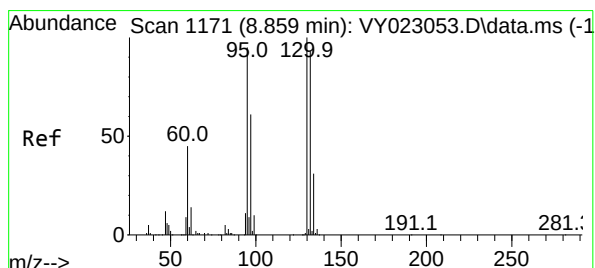
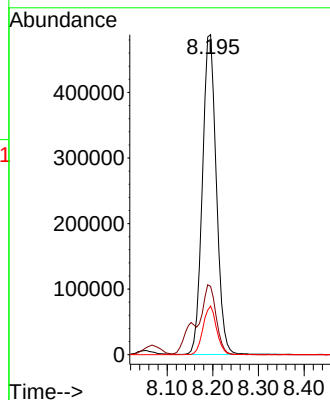
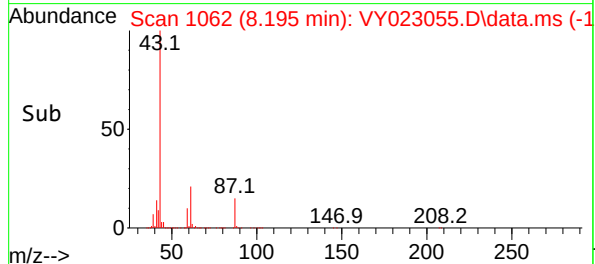
Tgt Ion: 43 Resp: 1029854

Ion	Ratio	Lower	Upper
43	100		
61	22.1	16.4	24.6
87	14.8	11.8	17.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025



#44

Trichloroethene

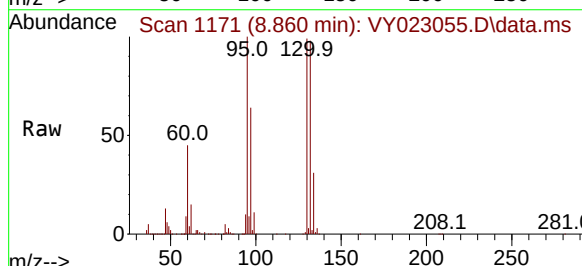
Concen: 152.126 ug/l

RT: 8.860 min Scan# 1171

Delta R.T. 0.000 min

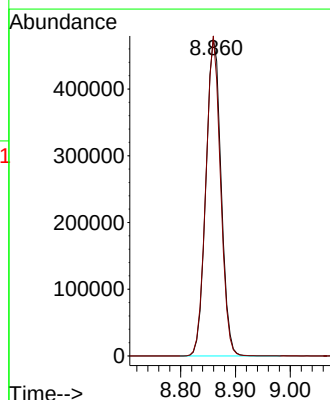
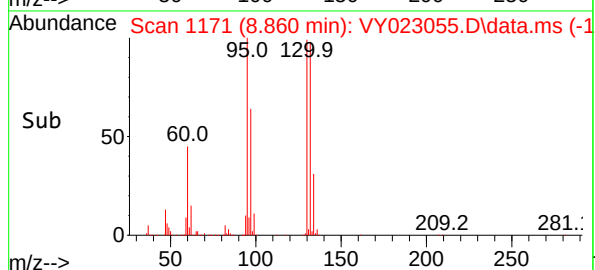
Lab File: VY023055.D

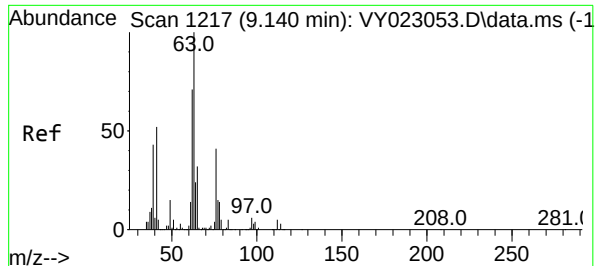
Acq: 12 Aug 2025 16:47



Tgt Ion:130 Resp: 909510

Ion	Ratio	Lower	Upper
130	100		
95	101.0	0.0	190.2





#45

1,2-Dichloropropane

Concen: 154.426 ug/l

RT: 9.134 min Scan# 1216

Delta R.T. -0.006 min

Lab File: VY023055.D

Acq: 12 Aug 2025 16:47

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion: 63 Resp: 822035

Ion Ratio Lower Upper

63 100

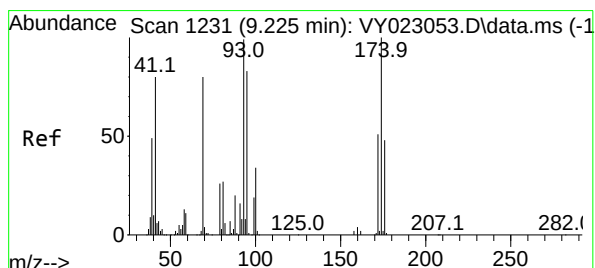
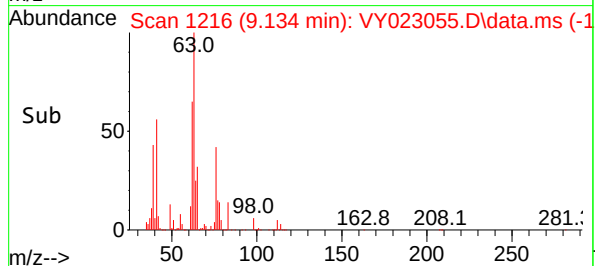
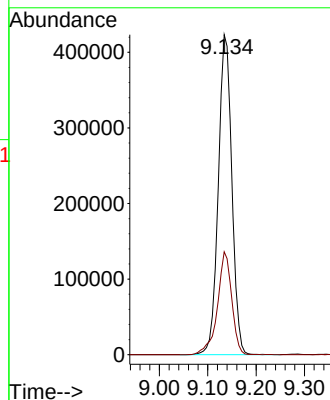
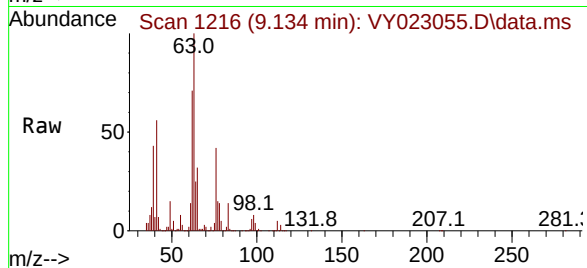
65 32.1 25.3 37.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025

Supervised By :Semsettin Yesilyurt 08/14/2025



#46

Dibromomethane

Concen: 157.156 ug/l

RT: 9.225 min Scan# 1231

Delta R.T. 0.000 min

Lab File: VY023055.D

Acq: 12 Aug 2025 16:47

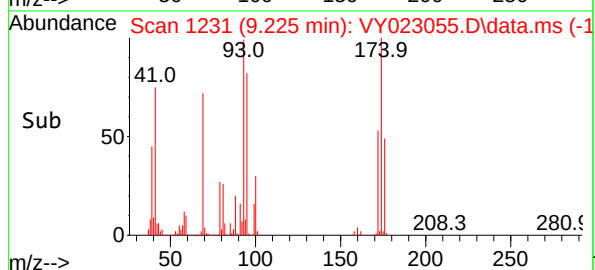
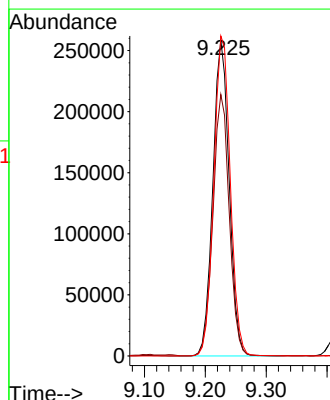
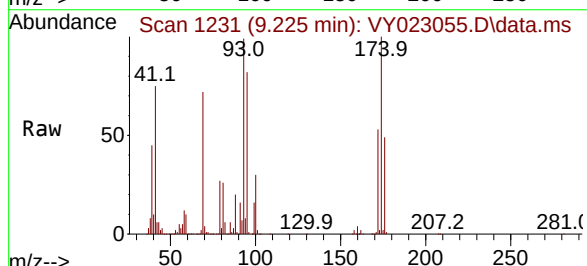
Tgt Ion: 93 Resp: 480162

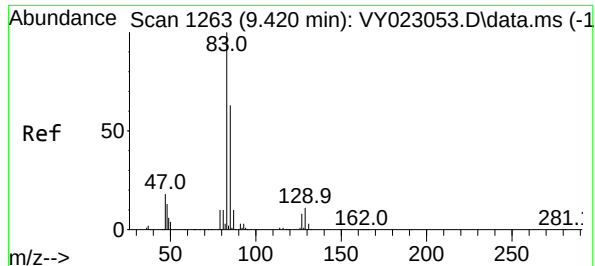
Ion Ratio Lower Upper

93 100

95 82.8 66.5 99.7

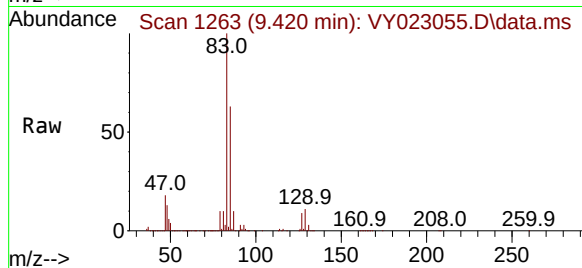
174 102.6 81.8 122.8





#47
Bromodichloromethane
Concen: 154.884 ug/l
RT: 9.420 min Scan# 1263
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

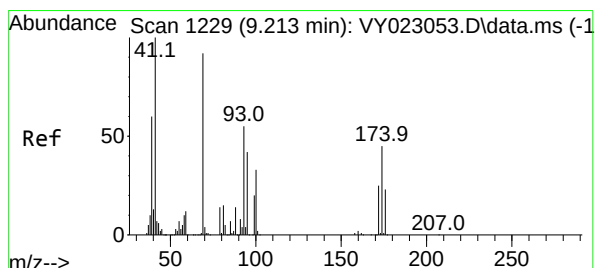
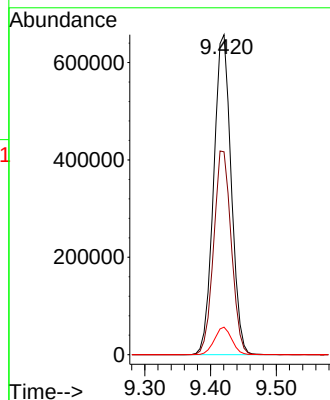
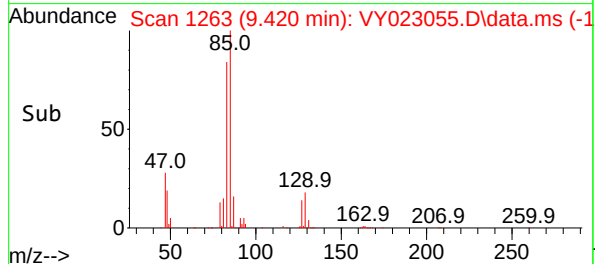
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150



Tgt Ion: 83 Resp: 1217658
Ion Ratio Lower Upper
83 100
85 63.4 50.2 75.4
127 8.6 6.6 10.0

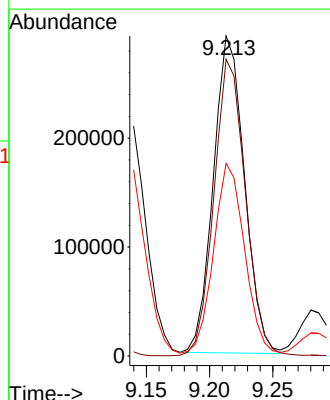
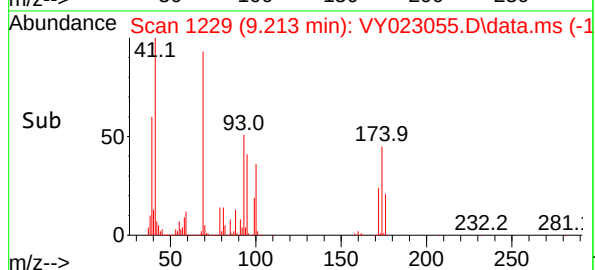
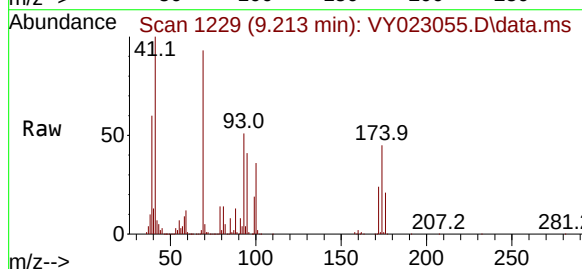
Manual Integrations
APPROVED

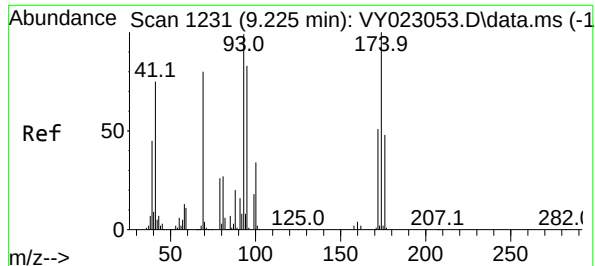
Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025



#48
Methyl methacrylate
Concen: 163.144 ug/l
RT: 9.213 min Scan# 1229
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion: 41 Resp: 497527
Ion Ratio Lower Upper
41 100
69 95.0 73.2 109.8
39 59.3 47.0 70.4





#49

1,4-Dioxane

Concen: 3280.235 ug/l

RT: 9.225 min Scan# 11751

Delta R.T. 0.000 min

Lab File: VY023055.D

Acq: 12 Aug 2025 16:47

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC150

Tgt Ion: 88 Resp: 11751

Ion Ratio Lower Upper

88 100

43 30.0 24.3 36.5

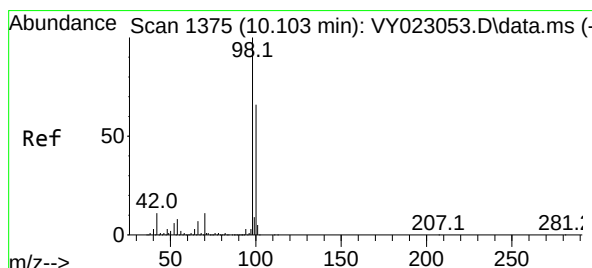
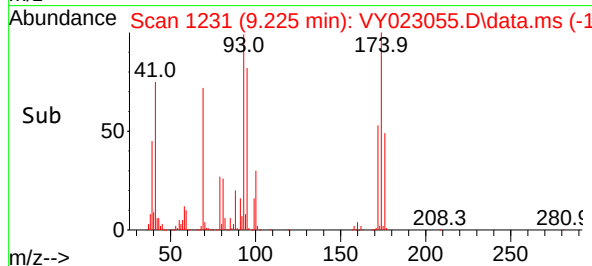
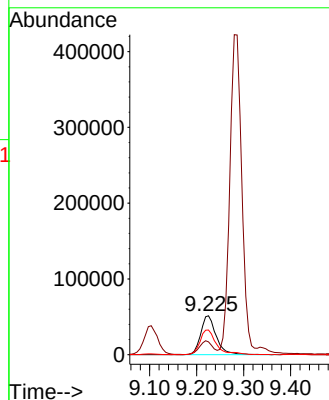
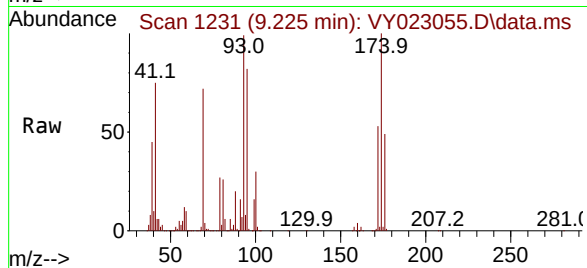
58 67.5 55.4 83.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025

Supervised By :Semsettin Yesilyurt 08/14/2025



#50

Toluene-d8

Concen: 152.237 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. 0.000 min

Lab File: VY023055.D

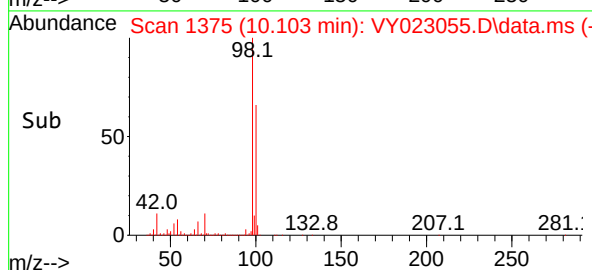
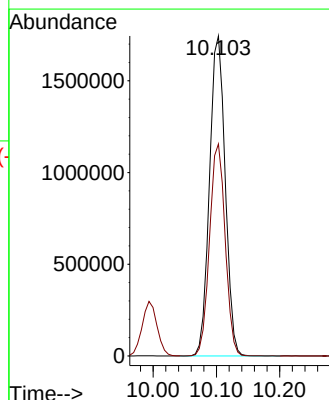
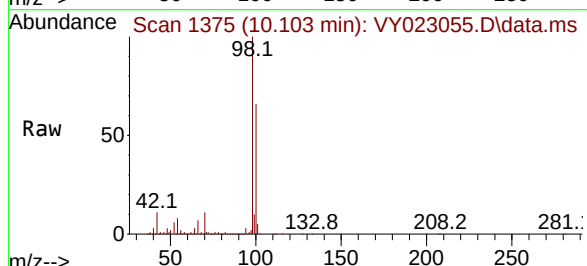
Acq: 12 Aug 2025 16:47

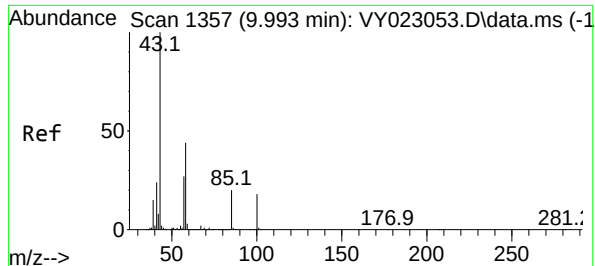
Tgt Ion: 98 Resp: 3003834

Ion Ratio Lower Upper

98 100

100 66.0 52.3 78.5





#51

4-Methyl-2-Pentanone

Concen: 814.509 ug/l

RT: 9.993 min Scan# 1357

Delta R.T. 0.000 min

Lab File: VY023055.D

Acq: 12 Aug 2025 16:47

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC150

Tgt Ion: 43 Resp: 267758

Ion Ratio Lower Upper

43 100

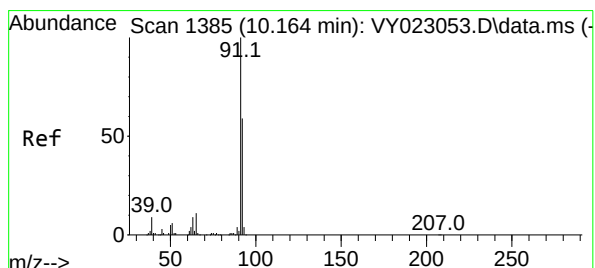
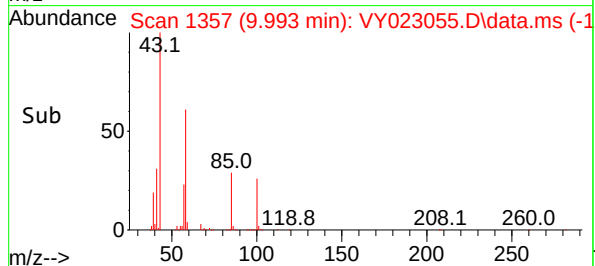
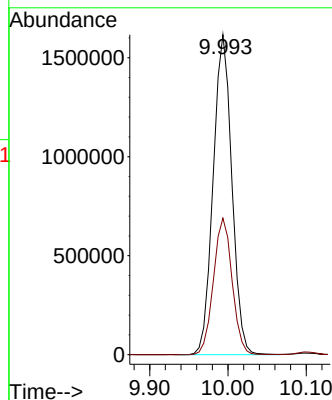
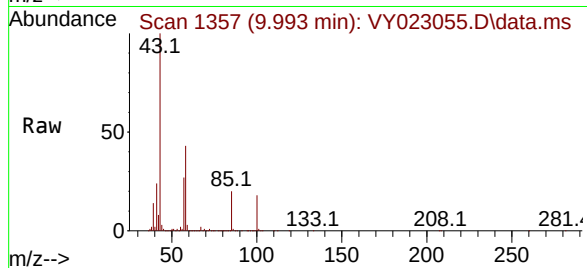
58 42.6 33.5 50.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025

Supervised By :Semsettin Yesilyurt 08/14/2025



#52

Toluene

Concen: 158.762 ug/l

RT: 10.164 min Scan# 1385

Delta R.T. 0.000 min

Lab File: VY023055.D

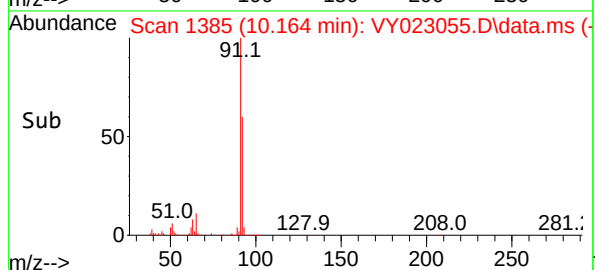
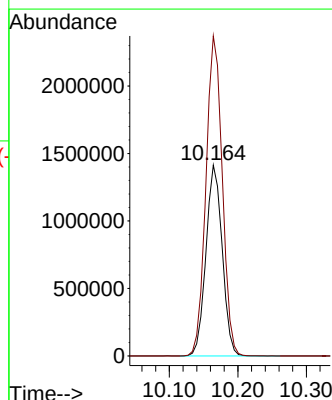
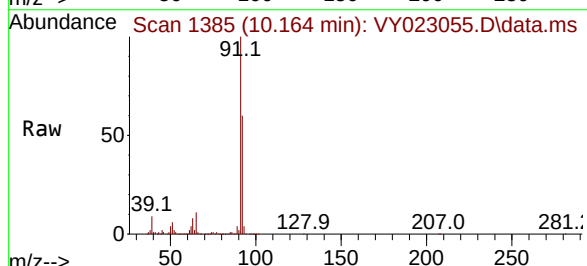
Acq: 12 Aug 2025 16:47

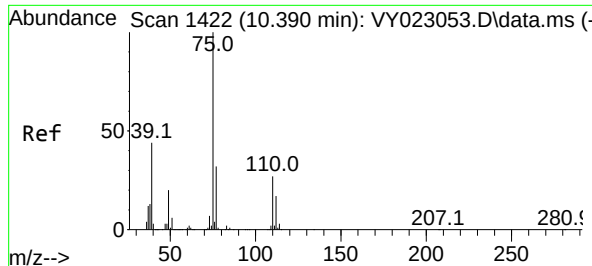
Tgt Ion: 92 Resp: 2332797

Ion Ratio Lower Upper

92 100

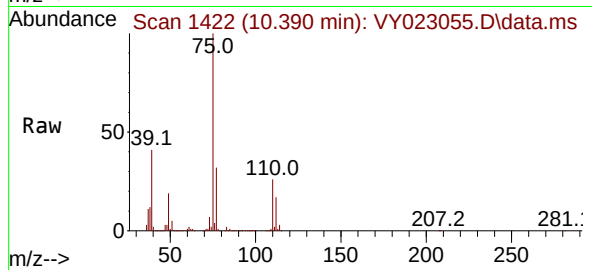
91 168.8 136.4 204.6





#53
t-1,3-Dichloropropene
Concen: 163.355 ug/l
RT: 10.390 min Scan# 1422
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

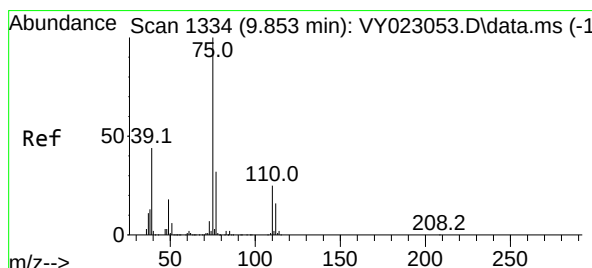
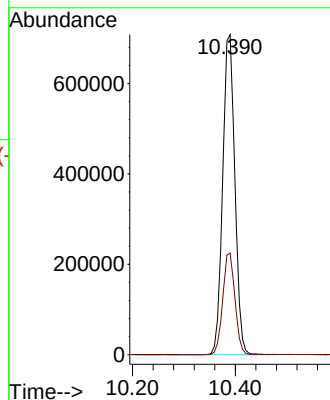
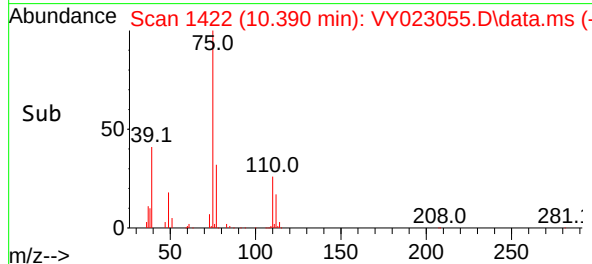
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150



Tgt Ion: 75 Resp: 1162952
Ion Ratio Lower Upper
75 100
77 31.8 25.7 38.5

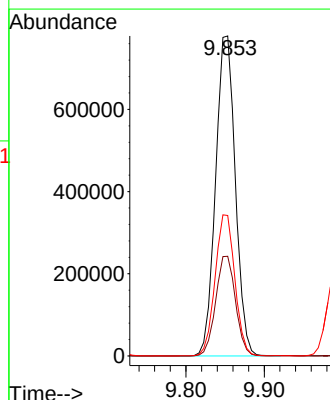
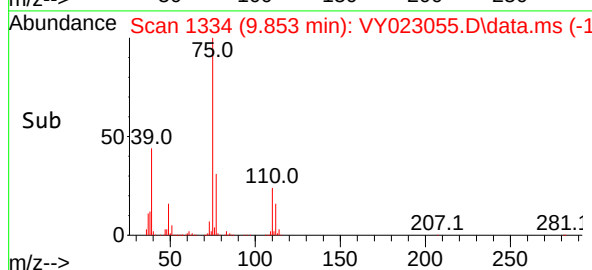
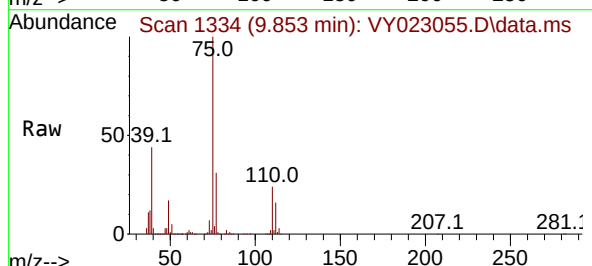
Manual Integrations
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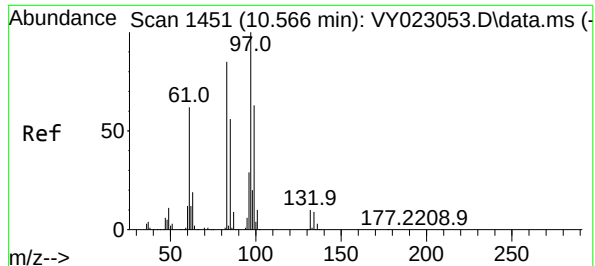
Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025



#54
cis-1,3-Dichloropropene
Concen: 162.359 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion: 75 Resp: 1366797
Ion Ratio Lower Upper
75 100
77 31.1 25.4 38.0
39 43.9 35.6 53.4





#55

1,1,2-Trichloroethane

Concen: 157.090 ug/l

RT: 10.567 min Scan# 1451

Delta R.T. 0.000 min

Lab File: VY023055.D

Acq: 12 Aug 2025 16:47

Tgt Ion: 97 Resp: 642230

Ion Ratio Lower Upper

97 100

83 84.5 67.7 101.5

85 54.5 44.5 66.7

99 59.7 50.2 75.2

Instrument :

MSVOA_Y

ClientSampleId :

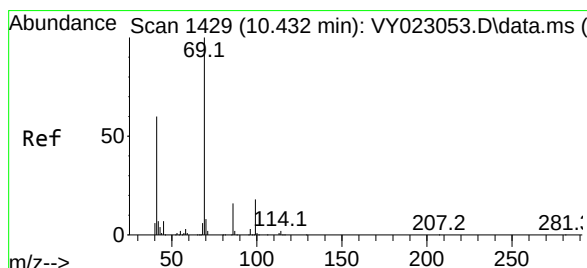
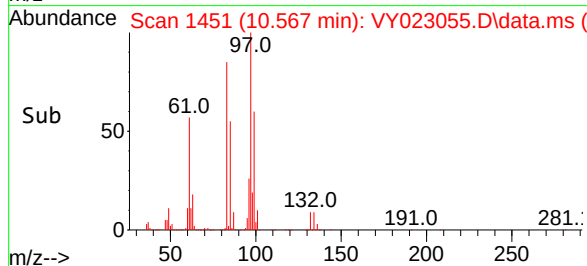
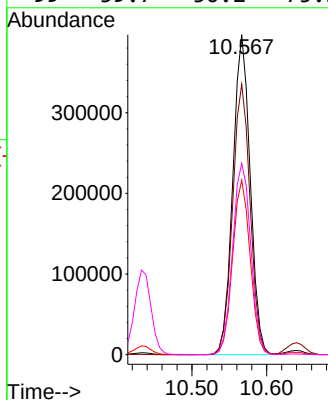
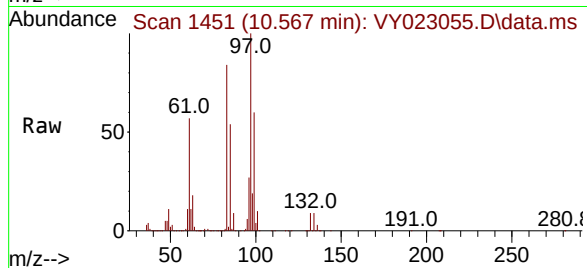
VSTDIC150

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025

Supervised By :Semsettin Yesilyurt 08/14/2025



#56

Ethyl methacrylate

Concen: 173.693 ug/l

RT: 10.432 min Scan# 1429

Delta R.T. 0.000 min

Lab File: VY023055.D

Acq: 12 Aug 2025 16:47

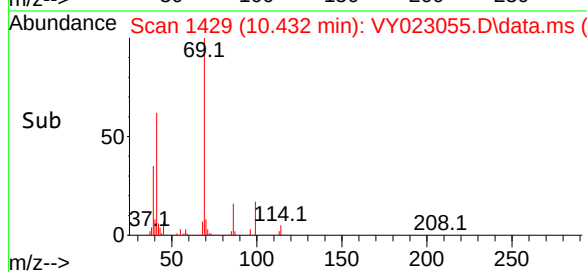
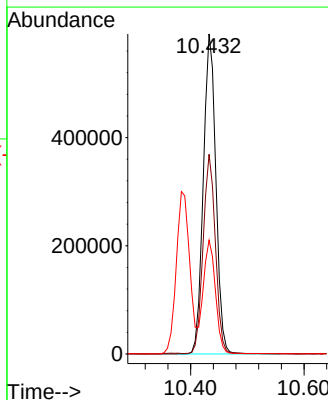
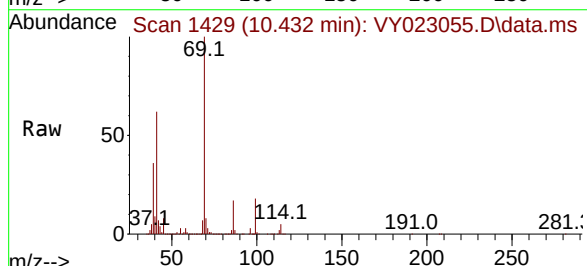
Tgt Ion: 69 Resp: 908662

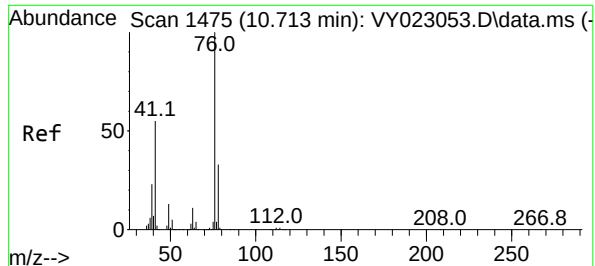
Ion Ratio Lower Upper

69 100

41 60.9 48.6 72.8

39 33.4 27.0 40.4





#57

1,3-Dichloropropane

Concen: 156.818 ug/l

RT: 10.713 min Scan# 1475

Delta R.T. 0.000 min

Lab File: VY023055.D

Acq: 12 Aug 2025 16:47

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion: 76 Resp: 108729

Ion Ratio Lower Upper

76 100

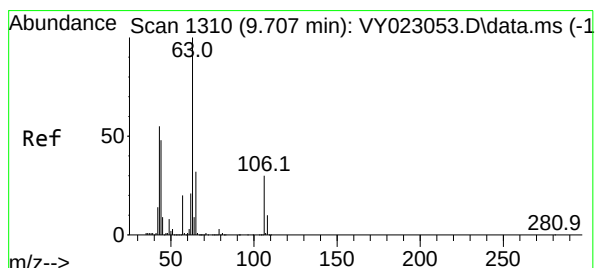
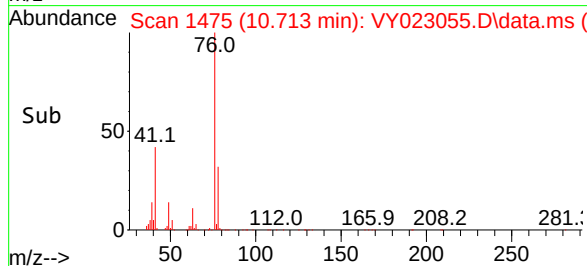
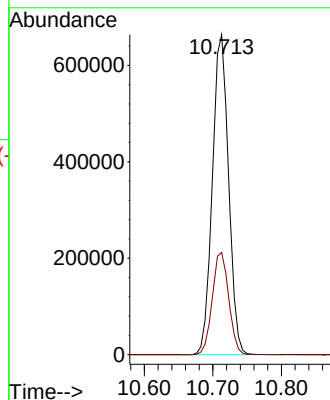
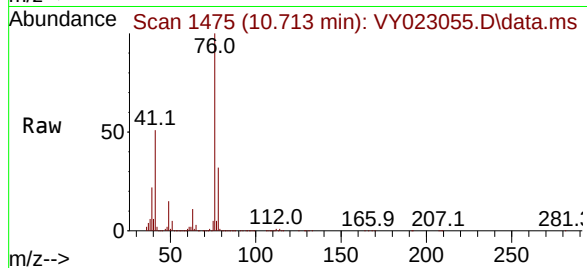
78 32.5 26.0 39.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025

Supervised By :Semsettin Yesilyurt 08/14/2025



#58

2-Chloroethyl Vinyl ether

Concen: 878.488 ug/l

RT: 9.707 min Scan# 1310

Delta R.T. 0.000 min

Lab File: VY023055.D

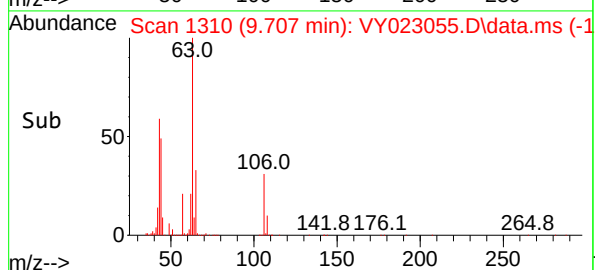
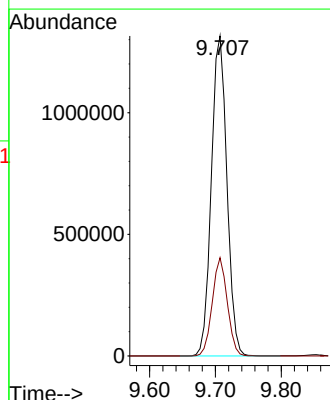
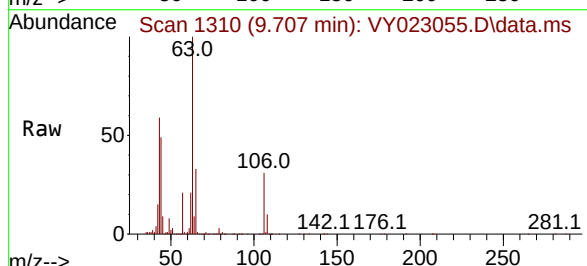
Acq: 12 Aug 2025 16:47

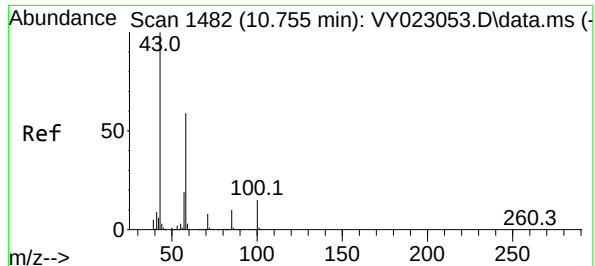
Tgt Ion: 63 Resp: 2167815

Ion Ratio Lower Upper

63 100

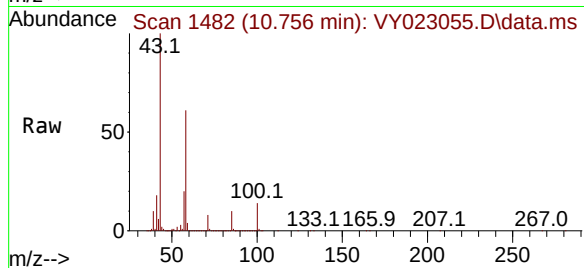
106 29.6 23.2 34.8





#59
2-Hexanone
Concen: 825.606 ug/l
RT: 10.756 min Scan# 1482
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

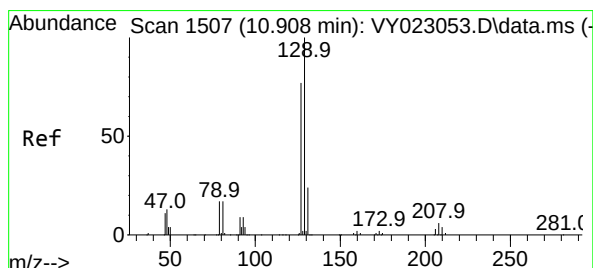
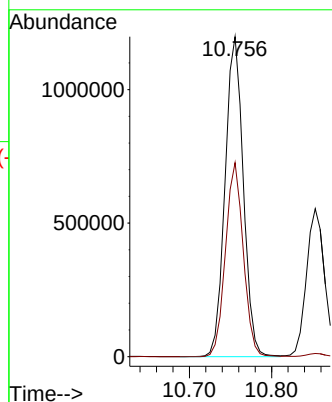
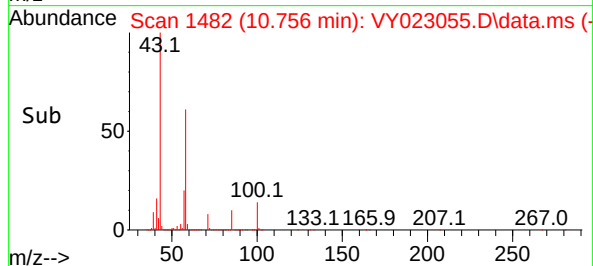
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150



Tgt Ion: 43 Resp: 184809
Ion Ratio Lower Upper
43 100
58 59.3 29.5 88.5

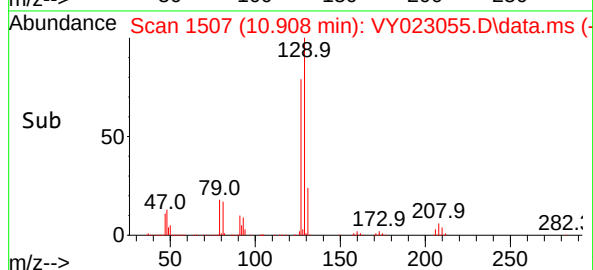
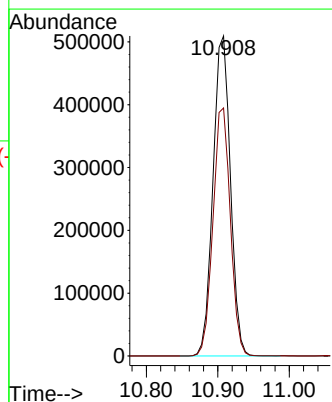
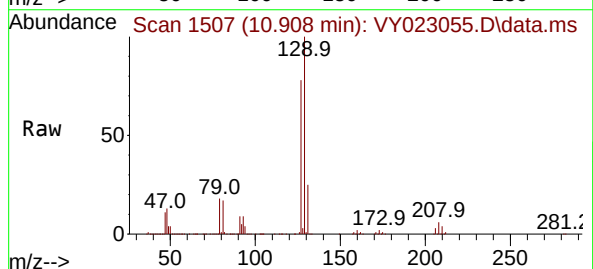
Manual Integrations
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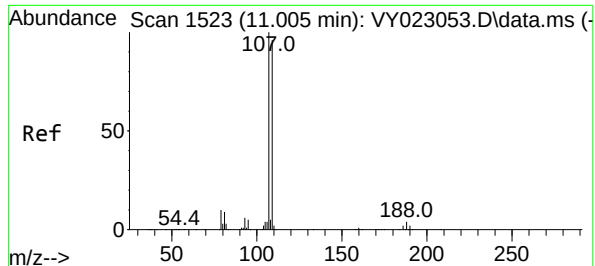
Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025



#60
Dibromochloromethane
Concen: 159.454 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion:129 Resp: 860181
Ion Ratio Lower Upper
129 100
127 77.5 38.5 115.5





#61

1,2-Dibromoethane

Concen: 159.546 ug/l

RT: 11.012 min Scan# 1523

Delta R.T. 0.006 min

Lab File: VY023055.D

Acq: 12 Aug 2025 16:47

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion:107 Resp: 613069

Ion Ratio Lower Upper

107 100

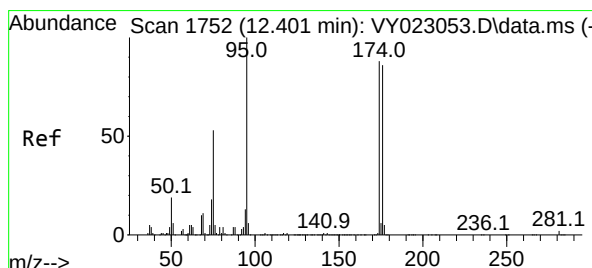
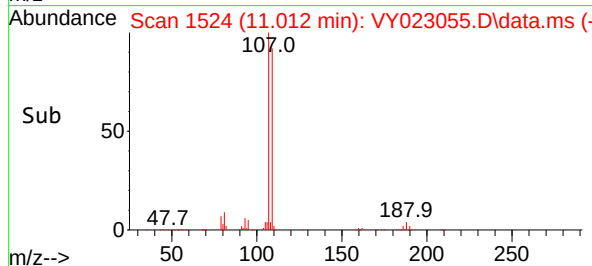
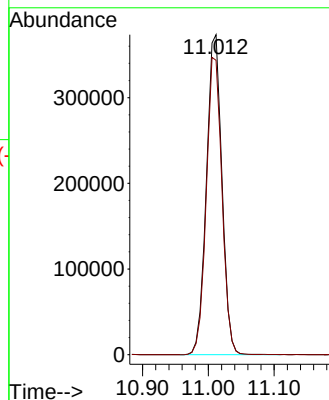
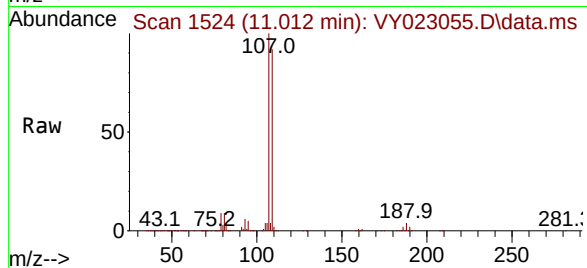
109 93.9 75.6 113.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025

Supervised By :Semsettin Yesilyurt 08/14/2025



#62

4-Bromofluorobenzene

Concen: 157.326 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. 0.000 min

Lab File: VY023055.D

Acq: 12 Aug 2025 16:47

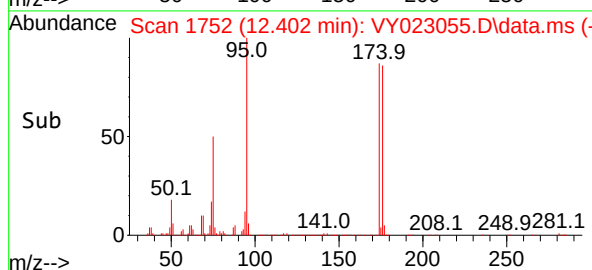
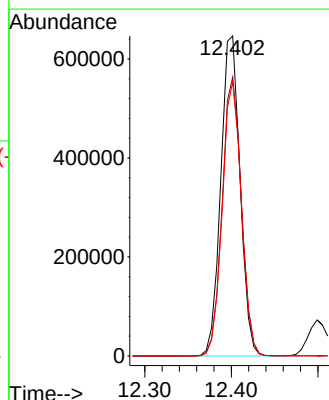
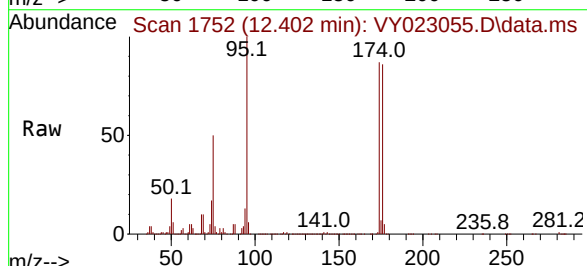
Tgt Ion: 95 Resp: 998318

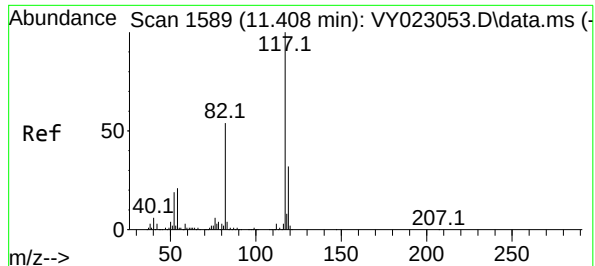
Ion Ratio Lower Upper

95 100

174 86.9 0.0 171.6

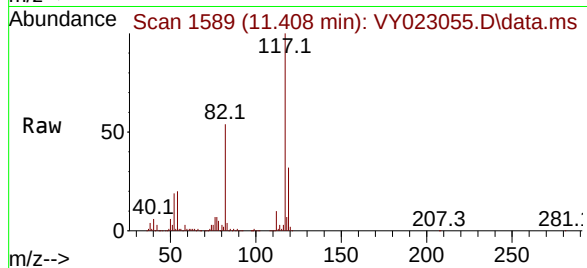
176 84.6 0.0 167.6





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.408 min Scan# 1589
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

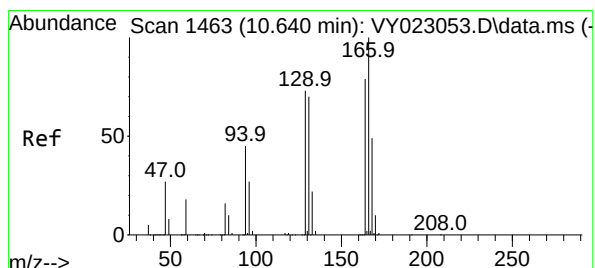
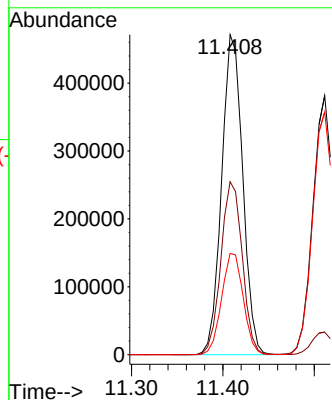
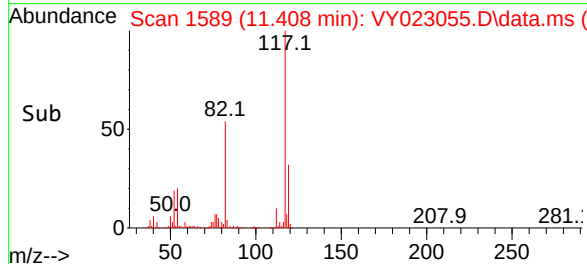
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150



Tgt Ion:117 Resp: 75636
Ion Ratio Lower Upper
117 100
82 54.0 43.4 65.0
119 31.7 25.6 38.4

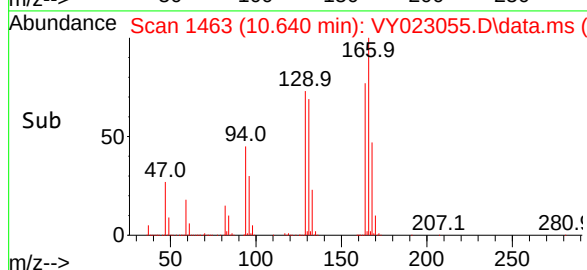
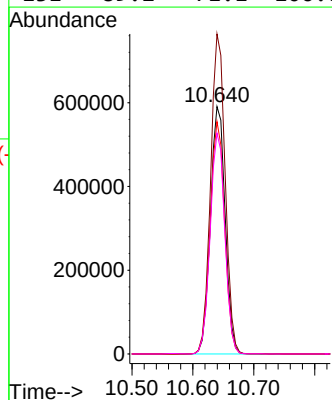
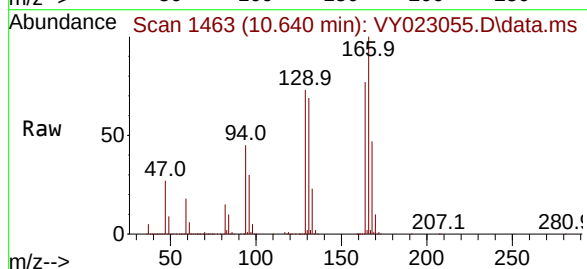
Manual Integrations
APPROVED

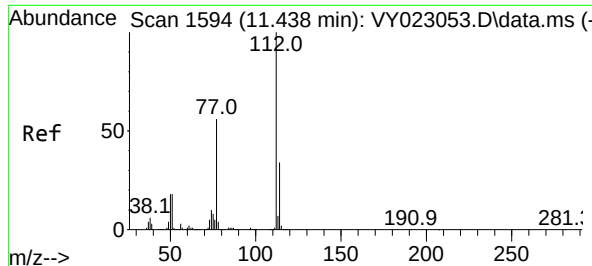
Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025



#64
Tetrachloroethene
Concen: 146.682 ug/l
RT: 10.640 min Scan# 1463
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion:164 Resp: 990664
Ion Ratio Lower Upper
164 100
166 129.4 101.1 151.7
129 93.9 74.0 111.0
131 89.2 71.1 106.7





#65

Chlorobenzene

Concen: 154.514 ug/l

RT: 11.438 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY023055.D

Acq: 12 Aug 2025 16:47

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion:112 Resp: 2520874

Ion Ratio Lower Upper

112 100

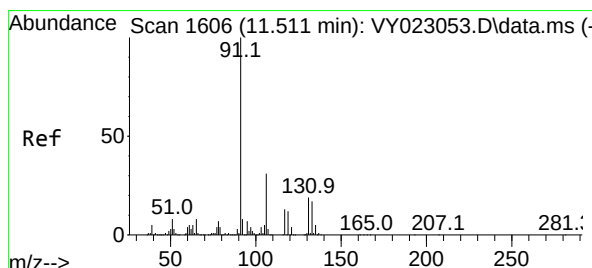
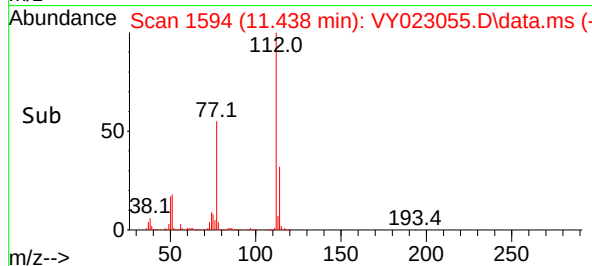
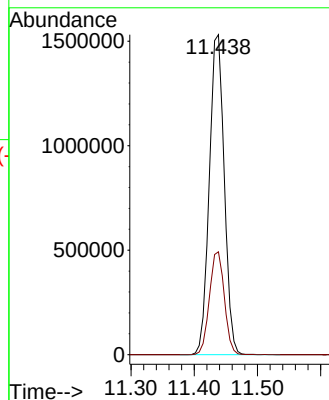
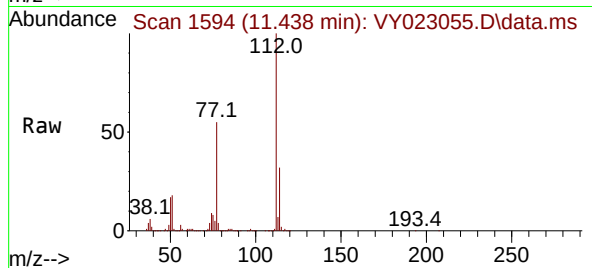
114 32.2 27.0 40.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025

Supervised By :Semsettin Yesilyurt 08/14/2025



#66

1,1,1,2-Tetrachloroethane

Concen: 157.304 ug/l

RT: 11.511 min Scan# 1606

Delta R.T. 0.000 min

Lab File: VY023055.D

Acq: 12 Aug 2025 16:47

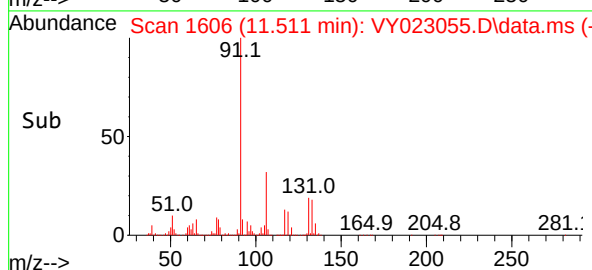
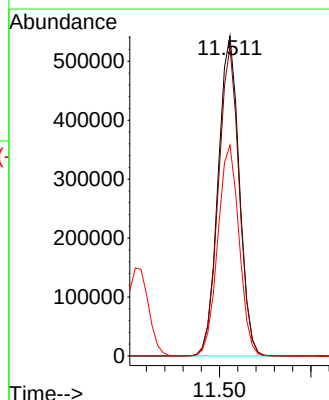
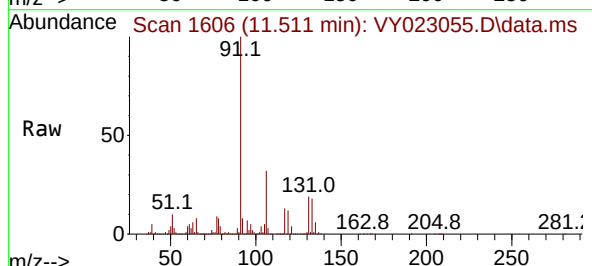
Tgt Ion:131 Resp: 871003

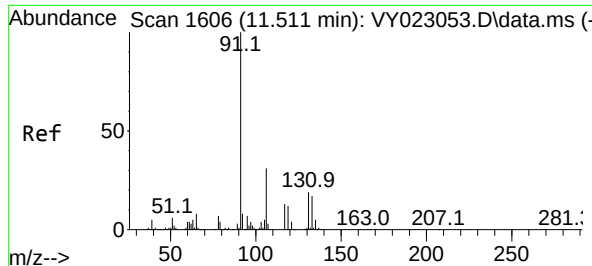
Ion Ratio Lower Upper

131 100

133 95.1 46.9 140.6

119 66.5 33.2 99.6





#67

Ethyl Benzene

Concen: 158.093 ug/l

RT: 11.511 min Scan# 1606

Delta R.T. 0.000 min

Lab File: VY023055.D

Acq: 12 Aug 2025 16:47

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion: 91 Resp: 443866

Ion Ratio Lower Upper

91 100

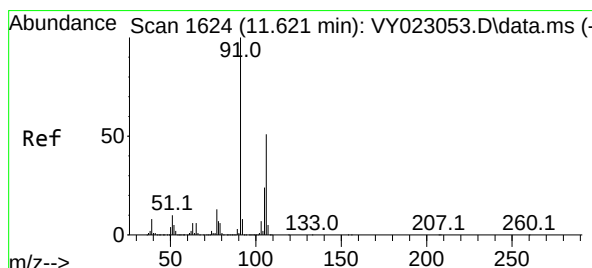
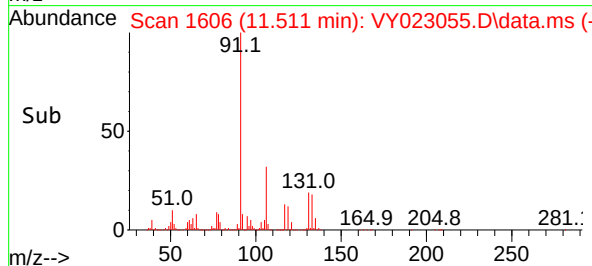
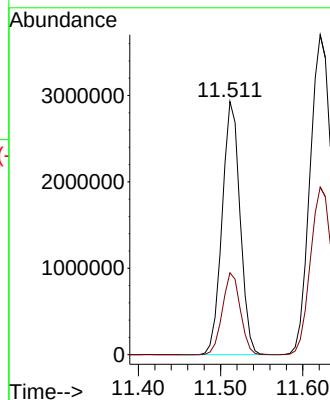
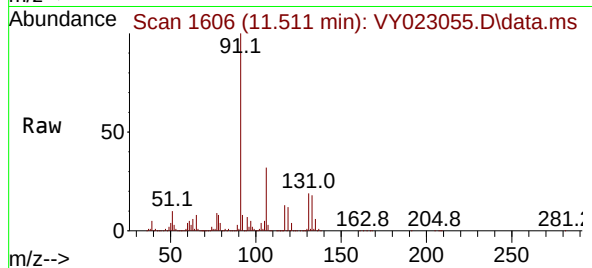
106 32.4 25.0 37.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025

Supervised By :Semsettin Yesilyurt 08/14/2025



#68

m/p-Xylenes

Concen: 320.251 ug/l

RT: 11.621 min Scan# 1624

Delta R.T. 0.000 min

Lab File: VY023055.D

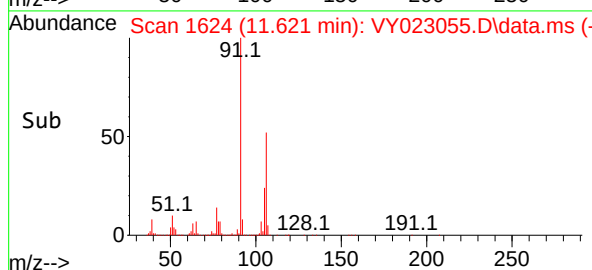
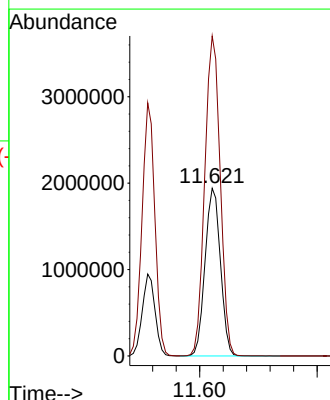
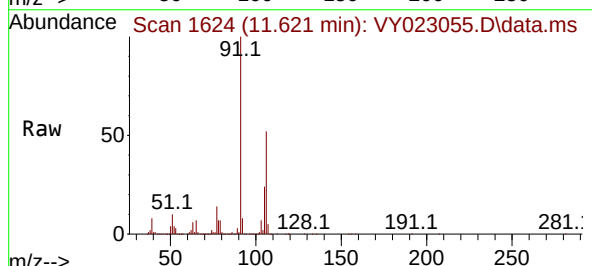
Acq: 12 Aug 2025 16:47

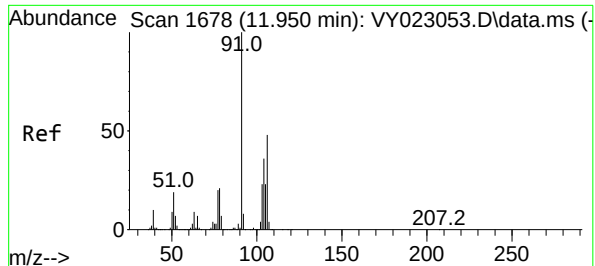
Tgt Ion:106 Resp: 3511726

Ion Ratio Lower Upper

106 100

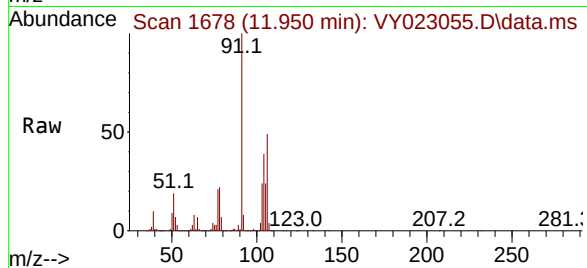
91 192.1 158.6 238.0





#69
o-Xylene
Concen: 163.941 ug/l
RT: 11.950 min Scan# 1678
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

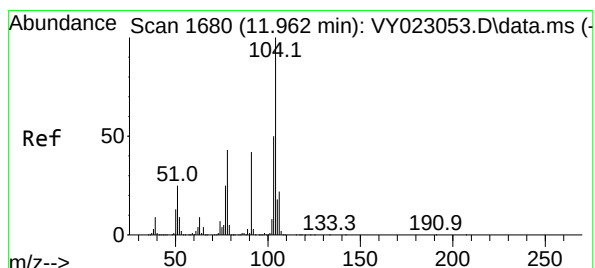
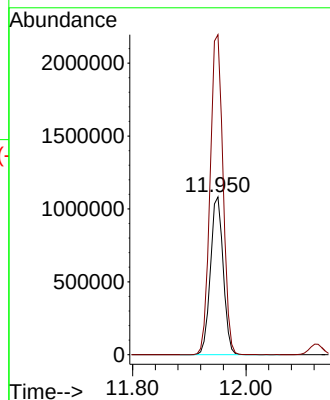
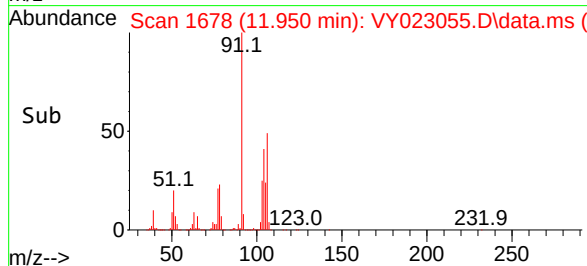
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150



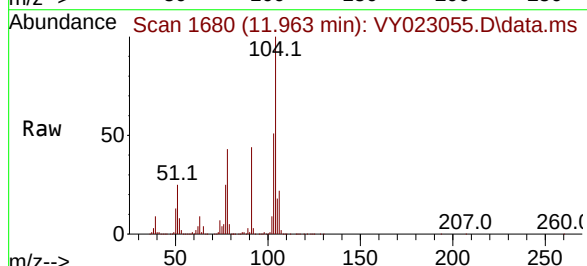
Tgt Ion:106 Resp: 1683720
Ion Ratio Lower Upper
106 100
91 205.5 103.2 309.4

Manual Integrations
APPROVED

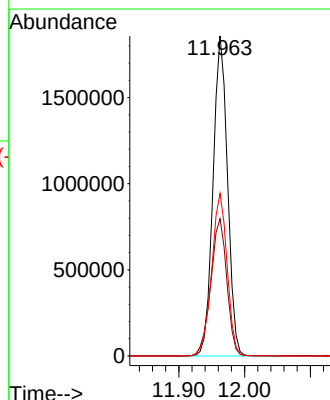
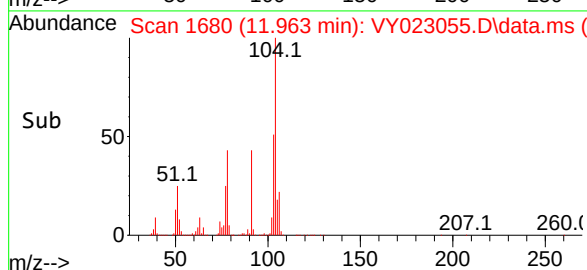
Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025

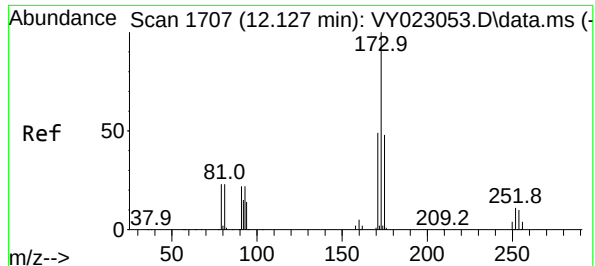


#70
Styrene
Concen: 169.475 ug/l
RT: 11.963 min Scan# 1680
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47



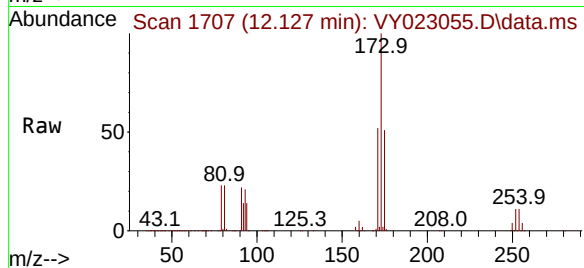
Tgt Ion:104 Resp: 2846443
Ion Ratio Lower Upper
104 100
78 47.2 38.5 57.7
103 54.3 43.7 65.5





#71
Bromoform
Concen: 161.778 ug/l
RT: 12.127 min Scan# 1707
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

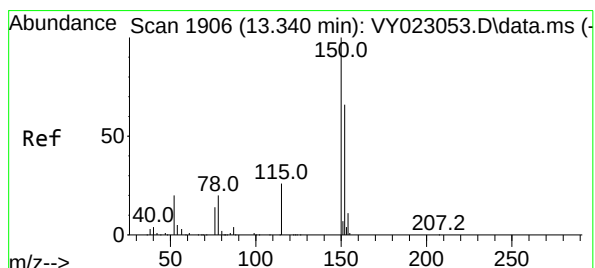
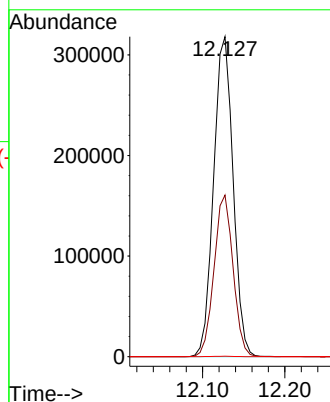
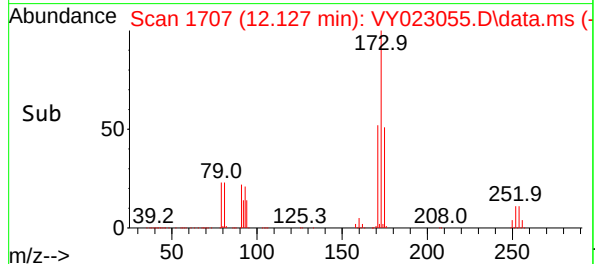
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150



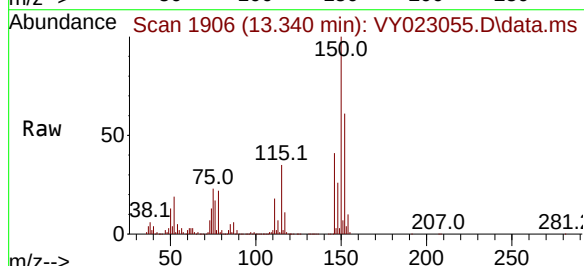
Tgt Ion:173 Resp: 52354
Ion Ratio Lower Upper
173 100
175 49.3 23.9 71.7
254 0.2 0.1 0.1

Manual Integrations
APPROVED

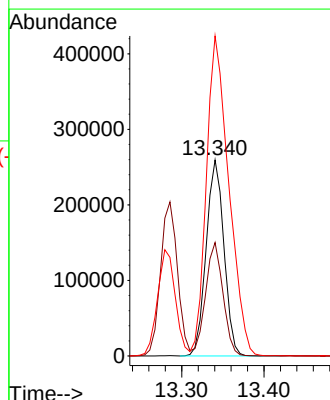
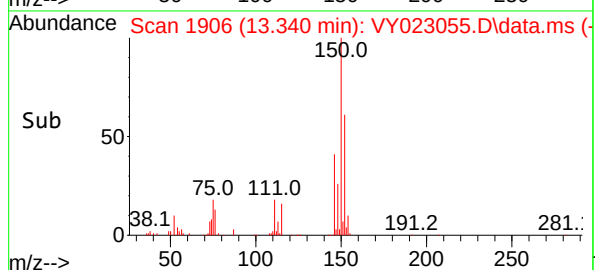
Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025

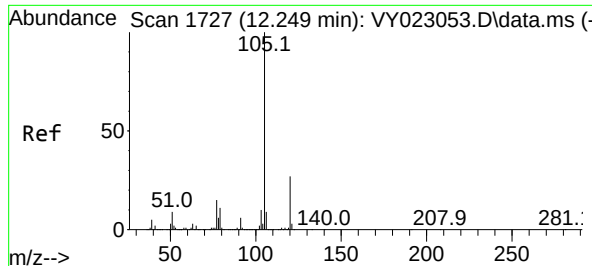


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.340 min Scan# 1906
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47



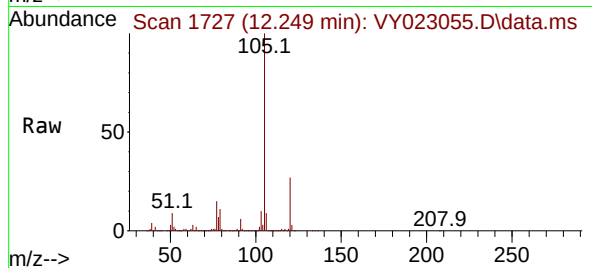
Tgt Ion:152 Resp: 389949
Ion Ratio Lower Upper
152 100
115 56.7 28.2 84.6
150 205.8 0.0 348.0





#73
Isopropylbenzene
Concen: 155.145 ug/l
RT: 12.249 min Scan# 1727
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

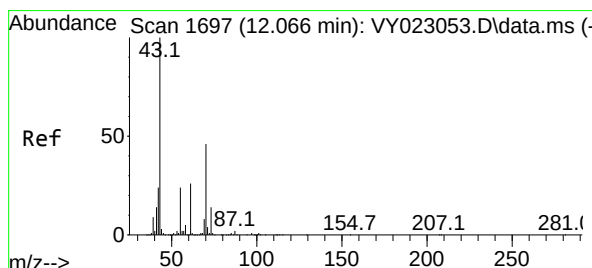
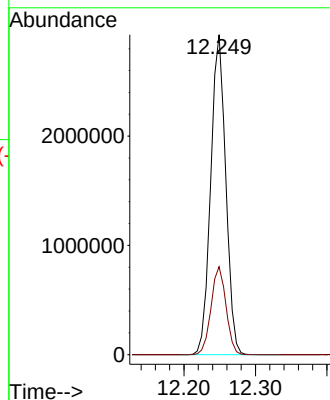
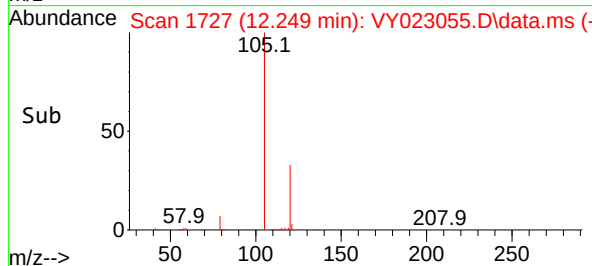
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150



Tgt Ion:105 Resp: 426994
Ion Ratio Lower Upper
105 100
120 27.3 13.4 40.2

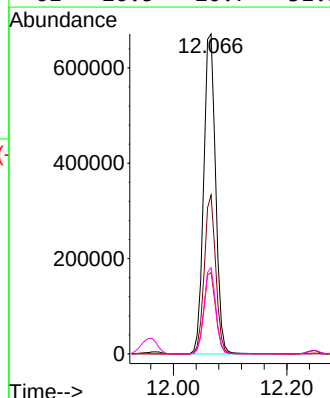
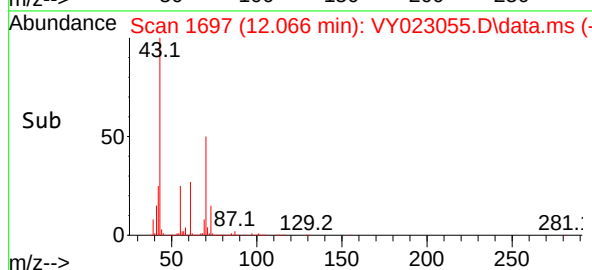
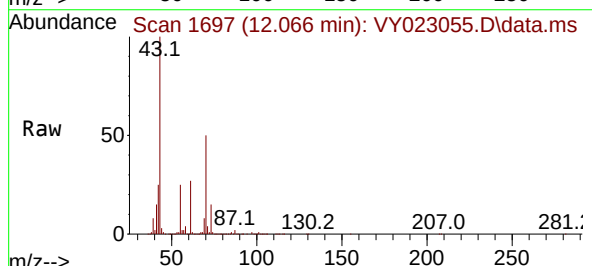
Manual Integrations
APPROVED

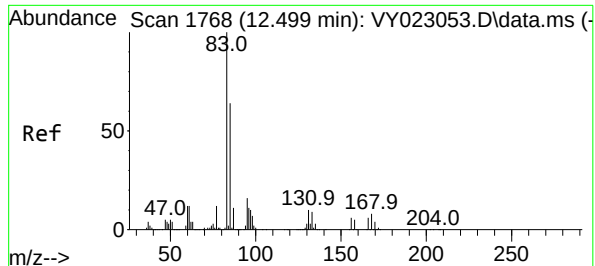
Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025



#74
N-ethyl acetate
Concen: 168.265 ug/l
RT: 12.066 min Scan# 1697
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

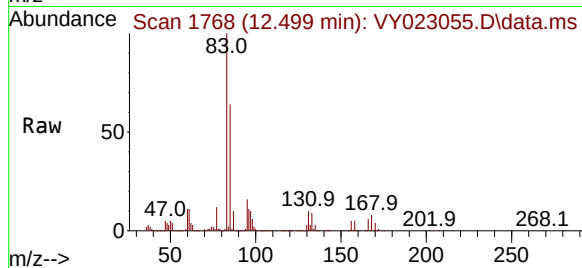
Tgt Ion: 43 Resp: 982090
Ion Ratio Lower Upper
43 100
70 47.8 37.5 56.3
55 25.3 20.7 31.1
61 26.5 20.7 31.1





#75
1,1,2,2-Tetrachloroethane
Concen: 152.686 ug/l
RT: 12.499 min Scan# 1768
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

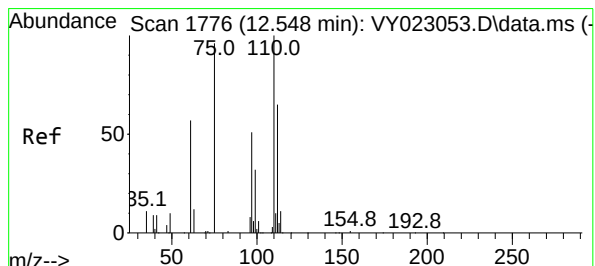
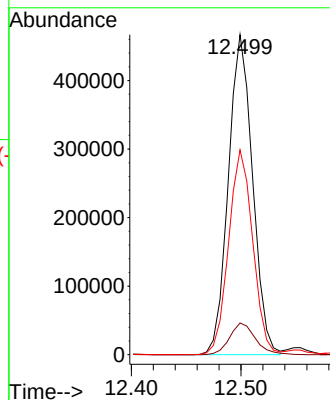
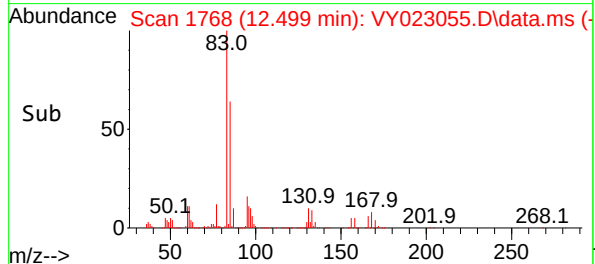
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150



Tgt Ion: 83 Resp: 717524
Ion Ratio Lower Upper
83 100
131 10.5 5.1 15.3
85 63.7 31.8 95.3

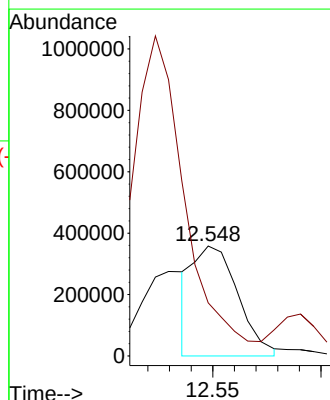
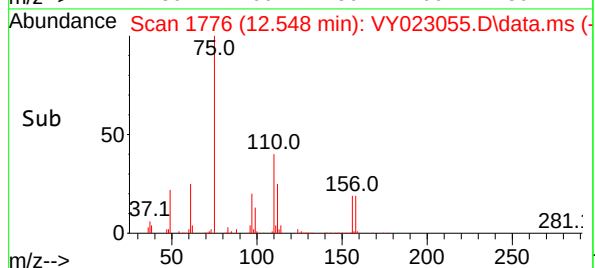
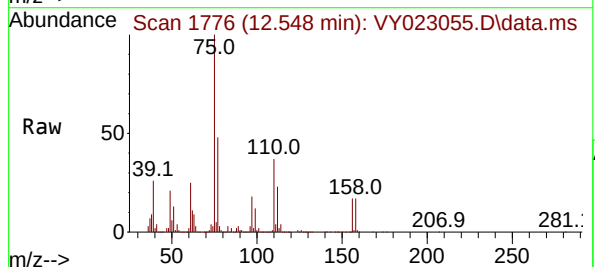
Manual Integrations
APPROVED

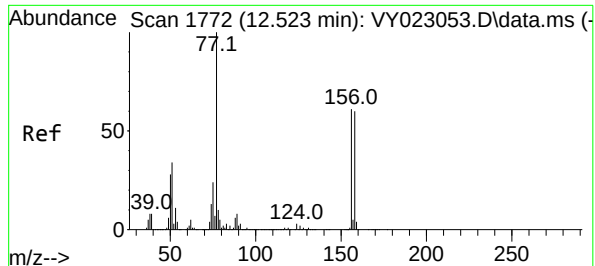
Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025



#76
1,2,3-Trichloropropane
Concen: 137.890 ug/l m
RT: 12.548 min Scan# 1776
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

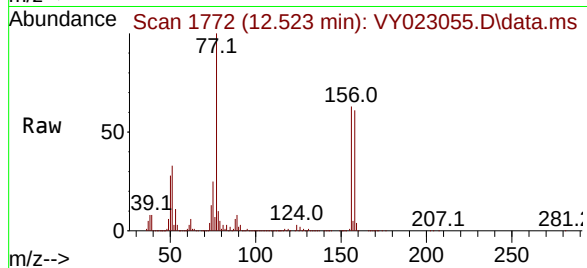
Tgt Ion: 75 Resp: 519276
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0





#77
Bromobenzene
Concen: 155.568 ug/l
RT: 12.523 min Scan# 1772
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

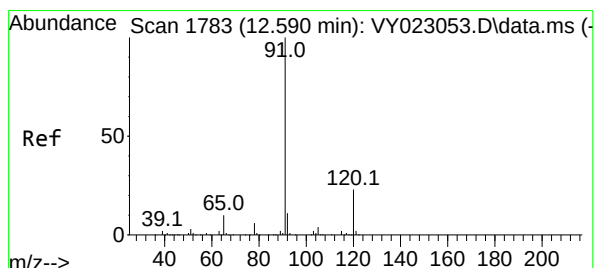
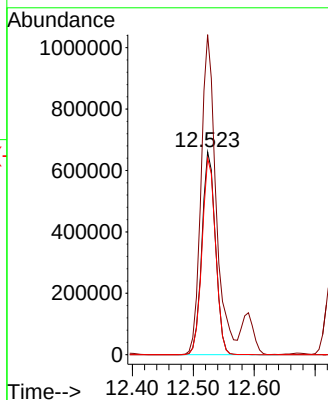
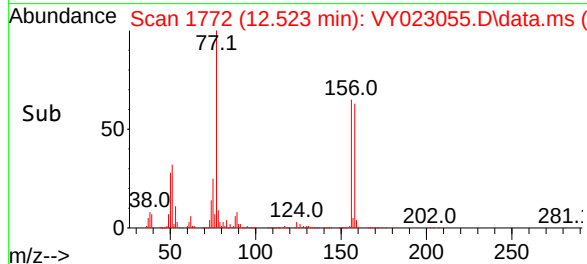
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150



Tgt Ion:156 Resp: 1021449
Ion Ratio Lower Upper
156 100
77 174.8 88.1 264.4
158 97.0 48.0 144.0

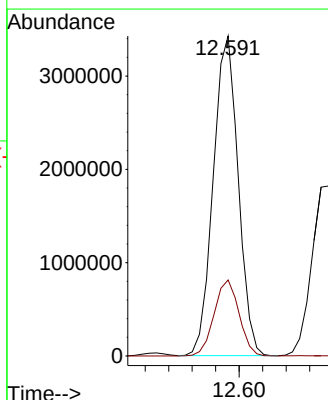
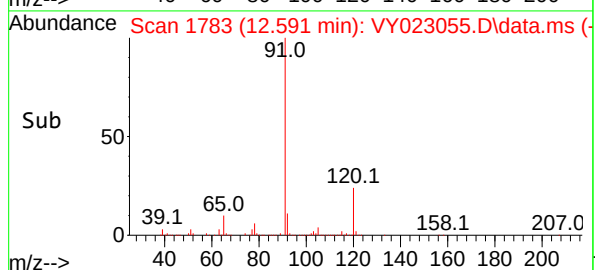
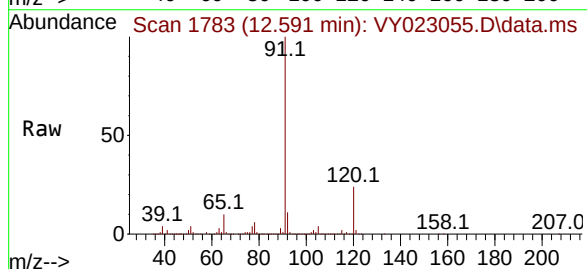
Manual Integrations
APPROVED

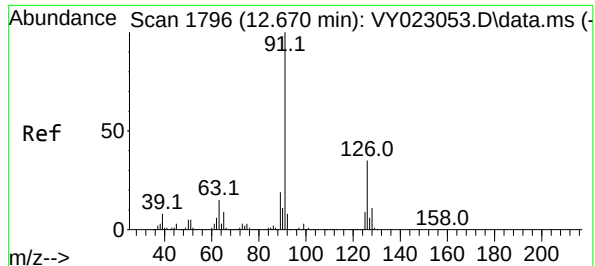
Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025



#78
n-propylbenzene
Concen: 154.058 ug/l
RT: 12.591 min Scan# 1783
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion: 91 Resp: 5048012
Ion Ratio Lower Upper
91 100
120 23.7 11.5 34.5





#79

2-Chlorotoluene

Concen: 153.331 ug/l

RT: 12.676 min Scan# 1796

Delta R.T. 0.006 min

Lab File: VY023055.D

Acq: 12 Aug 2025 16:47

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion: 91 Resp: 287864

Ion Ratio Lower Upper

91 100

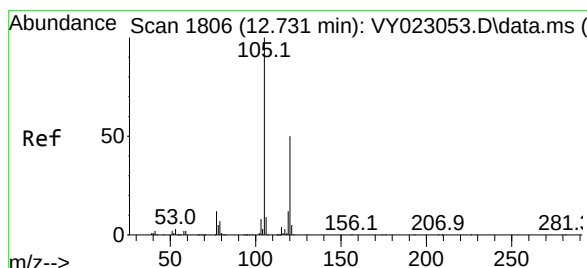
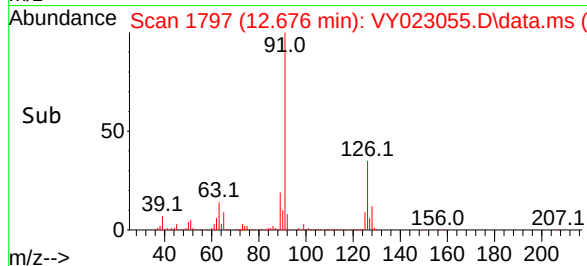
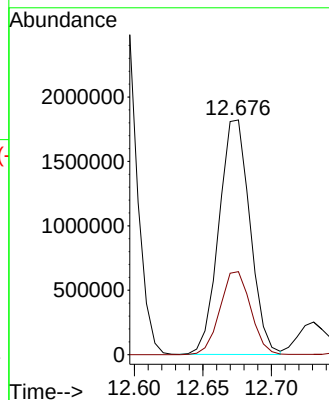
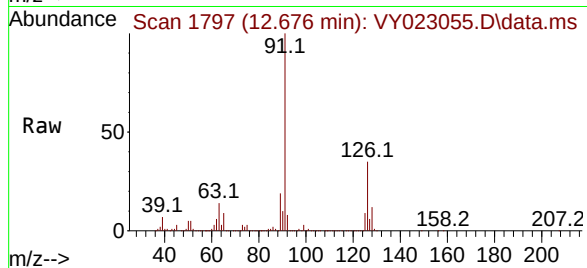
126 35.0 17.4 52.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025

Supervised By :Semsettin Yesilyurt 08/14/2025



#80

1,3,5-Trimethylbenzene

Concen: 155.973 ug/l

RT: 12.731 min Scan# 1806

Delta R.T. 0.000 min

Lab File: VY023055.D

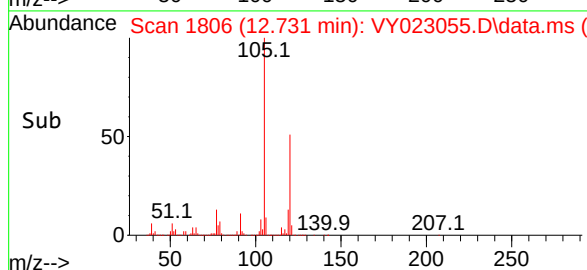
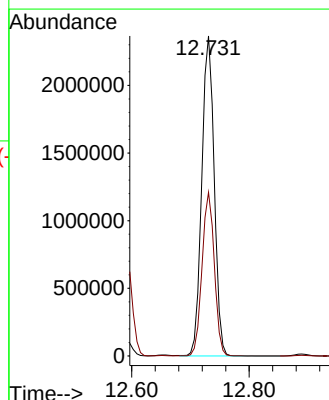
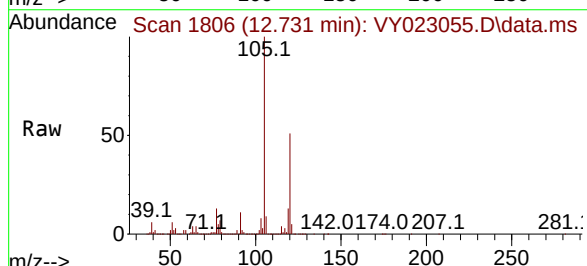
Acq: 12 Aug 2025 16:47

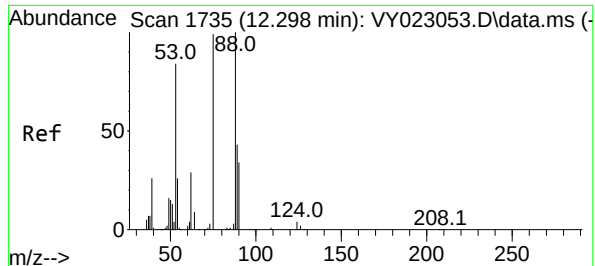
Tgt Ion:105 Resp: 3469329

Ion Ratio Lower Upper

105 100

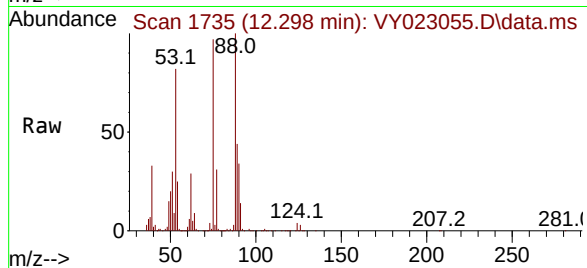
120 50.4 24.8 74.4





#81
trans-1,4-Dichloro-2-butene
Concen: 158.203 ug/l
RT: 12.298 min Scan# 1735
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

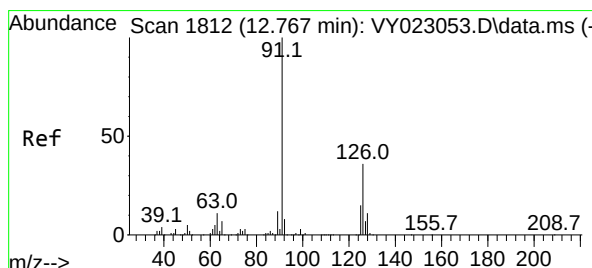
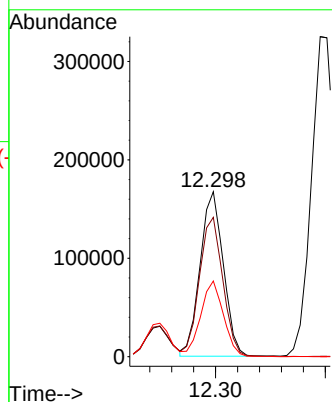
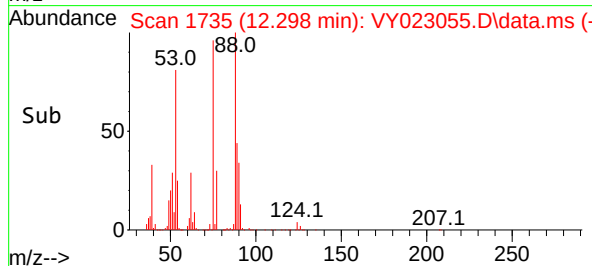
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150



Tgt Ion: 75 Resp: 245958
Ion Ratio Lower Upper
75 100
53 85.9 70.8 106.2
89 45.5 38.1 57.1

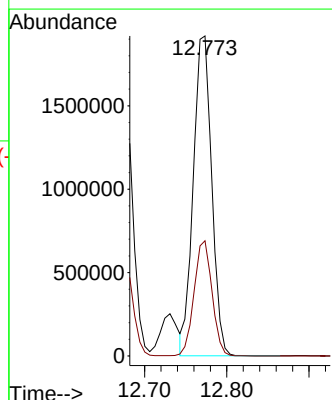
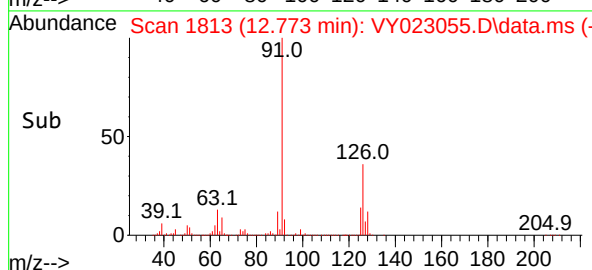
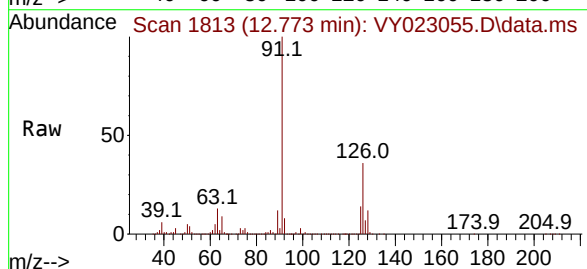
Manual Integrations
APPROVED

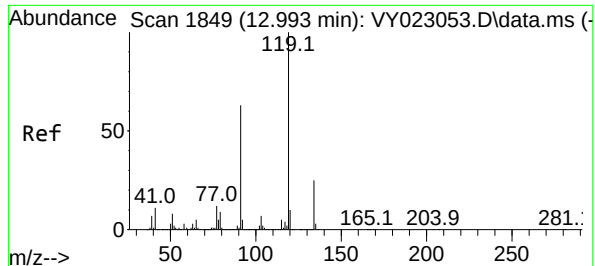
Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025



#82
4-Chlorotoluene
Concen: 153.063 ug/l
RT: 12.773 min Scan# 1813
Delta R.T. 0.006 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion: 91 Resp: 2981042
Ion Ratio Lower Upper
91 100
126 35.3 17.3 52.0





#83

tert-Butylbenzene

Concen: 157.371 ug/l

RT: 12.993 min Scan# 1849

Delta R.T. 0.000 min

Lab File: VY023055.D

Acq: 12 Aug 2025 16:47

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion:119 Resp: 3161479

Ion Ratio Lower Upper

119 100

91 62.0 31.6 94.8

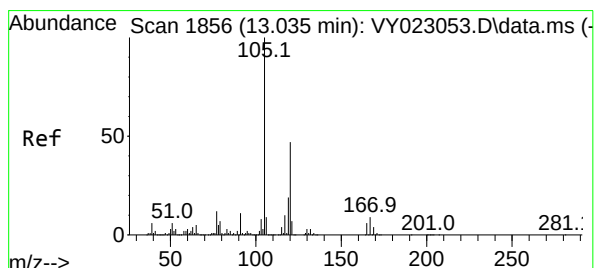
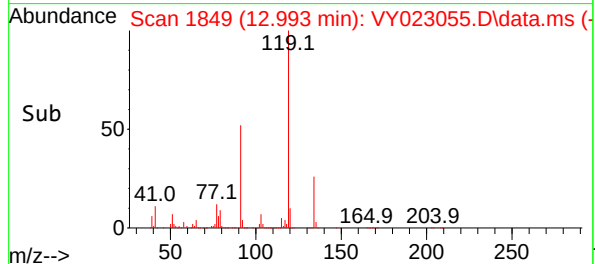
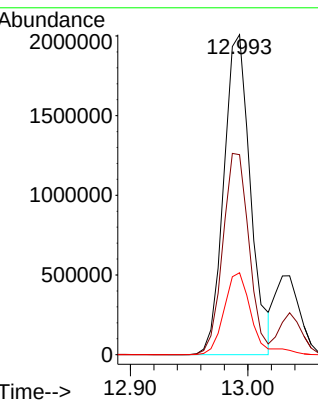
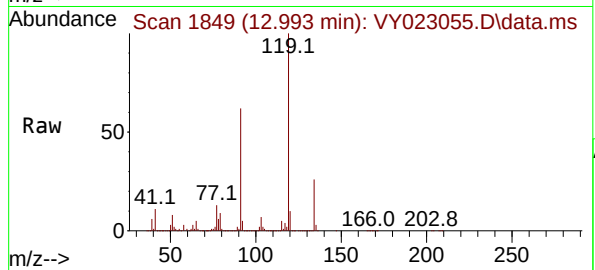
134 26.4 12.9 38.7

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025

Supervised By :Semsettin Yesilyurt 08/14/2025



#84

1,2,4-Trimethylbenzene

Concen: 158.143 ug/l

RT: 13.036 min Scan# 1856

Delta R.T. 0.000 min

Lab File: VY023055.D

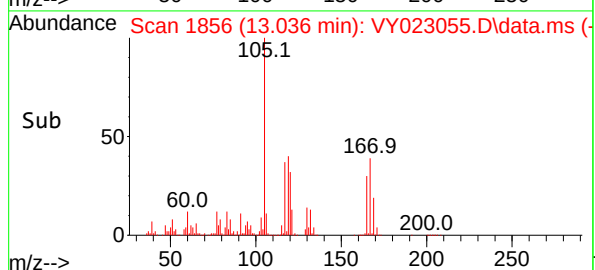
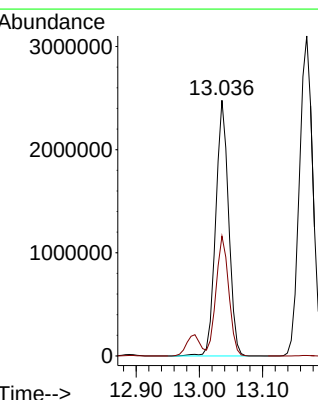
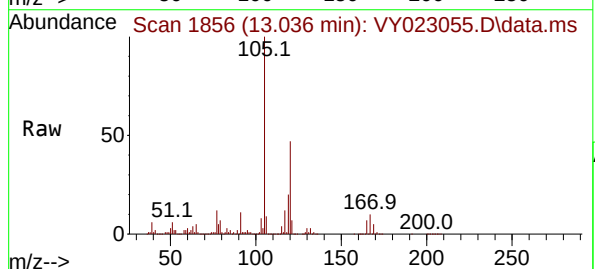
Acq: 12 Aug 2025 16:47

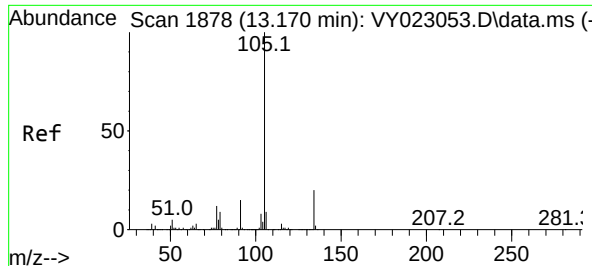
Tgt Ion:105 Resp: 3501626

Ion Ratio Lower Upper

105 100

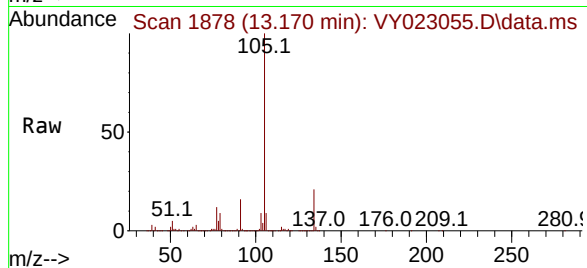
120 46.2 23.0 69.0





#85
sec-Butylbenzene
Concen: 153.897 ug/l
RT: 13.170 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

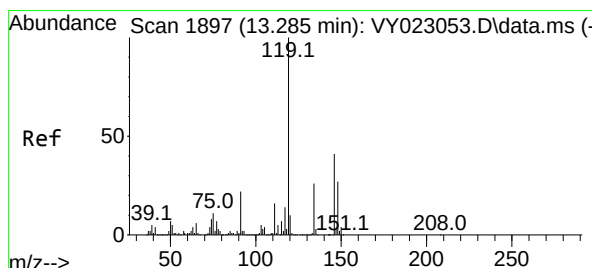
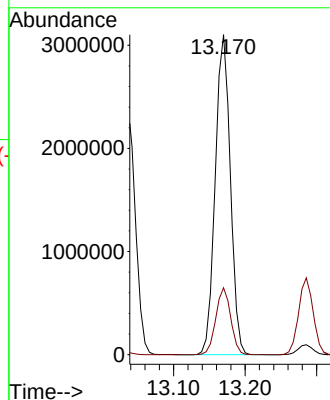
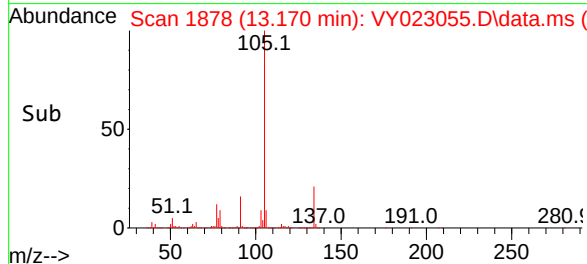
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150



Tgt Ion:105 Resp: 4541629
Ion Ratio Lower Upper
105 100
134 20.6 10.2 30.4

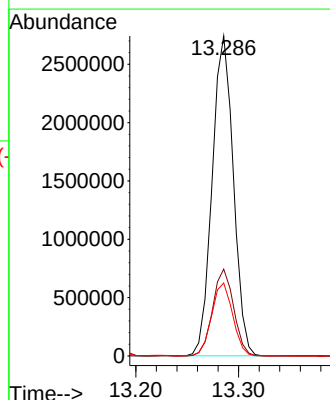
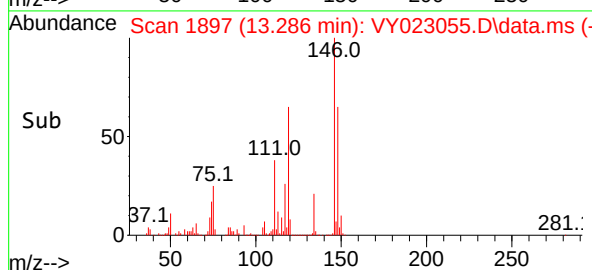
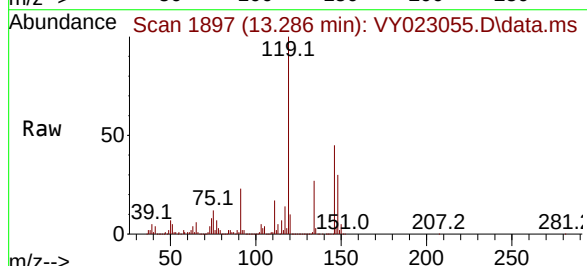
Manual Integrations
APPROVED

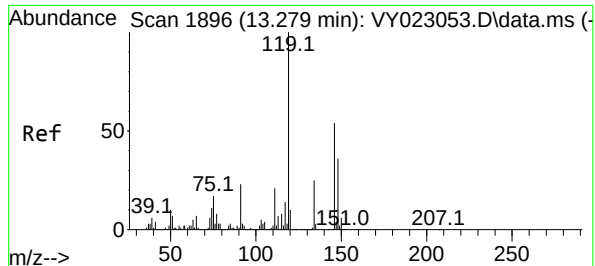
Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025



#86
p-Isopropyltoluene
Concen: 159.987 ug/l
RT: 13.286 min Scan# 1897
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion:119 Resp: 3918969
Ion Ratio Lower Upper
119 100
134 26.9 13.2 39.6
91 22.6 11.3 33.8





#87

1,3-Dichlorobenzene

Concen: 158.251 ug/l

RT: 13.279 min Scan# 1896

Delta R.T. 0.000 min

Lab File: VY023055.D

Acq: 12 Aug 2025 16:47

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion:146 Resp: 2049060

Ion Ratio Lower Upper

146 100

111 38.9 19.6 58.7

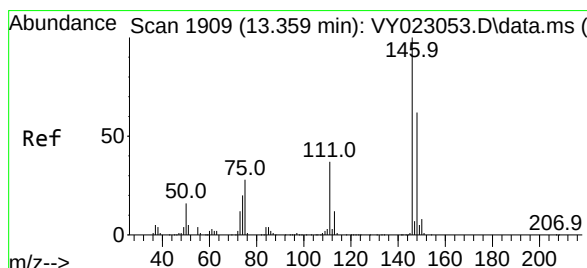
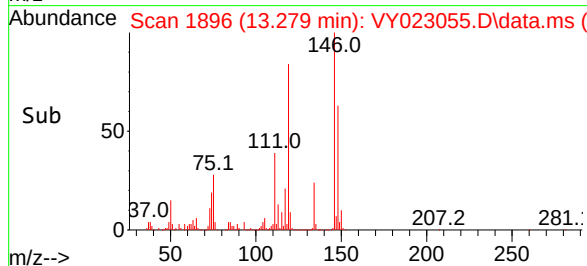
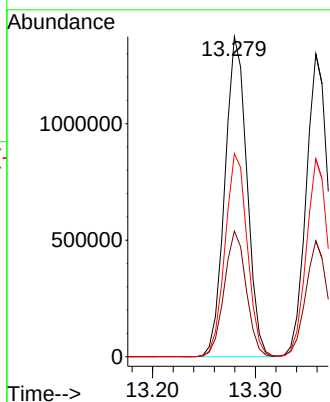
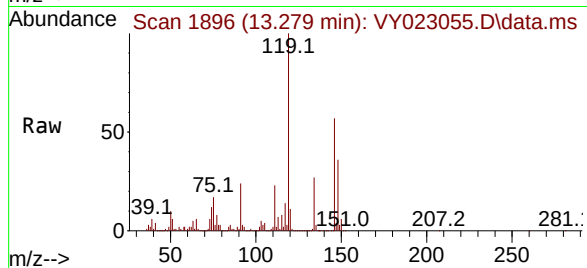
148 63.8 32.5 97.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025

Supervised By :Semsettin Yesilyurt 08/14/2025



#88

1,4-Dichlorobenzene

Concen: 151.172 ug/l

RT: 13.359 min Scan# 1909

Delta R.T. 0.000 min

Lab File: VY023055.D

Acq: 12 Aug 2025 16:47

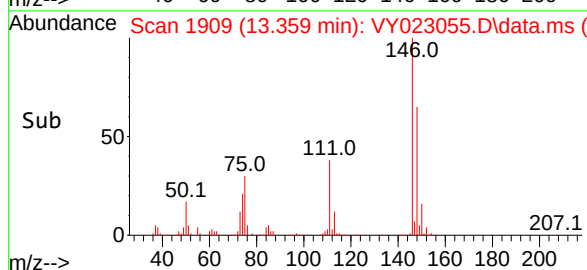
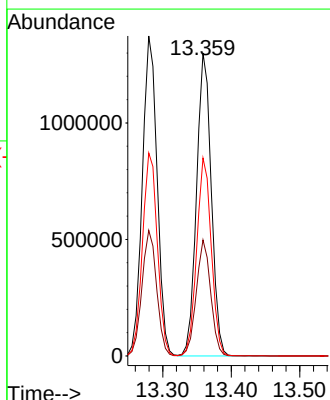
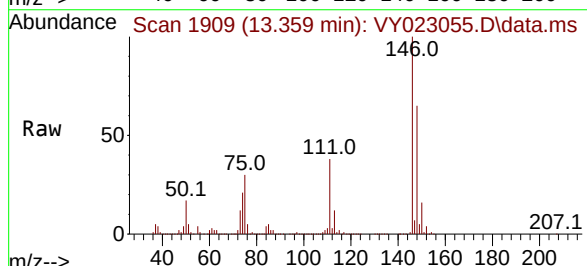
Tgt Ion:146 Resp: 1941716

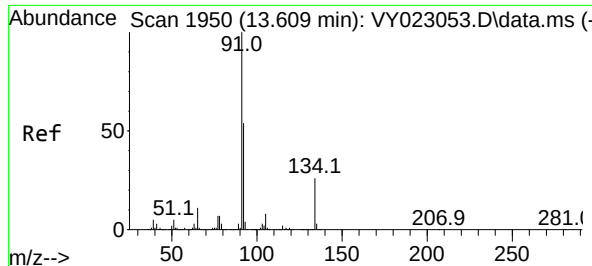
Ion Ratio Lower Upper

146 100

111 37.5 19.1 57.1

148 64.7 31.6 94.7





#89

n-Butylbenzene

Concen: 159.048 ug/l

RT: 13.609 min Scan# 1950

Delta R.T. 0.000 min

Lab File: VY023055.D

Acq: 12 Aug 2025 16:47

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion: 91 Resp: 357827

Ion Ratio Lower Upper

91 100

92 53.9 26.9 80.7

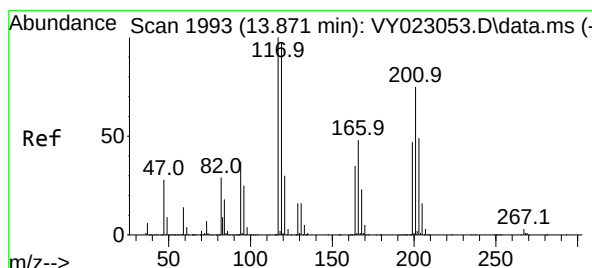
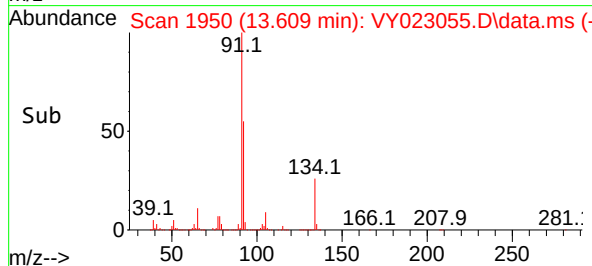
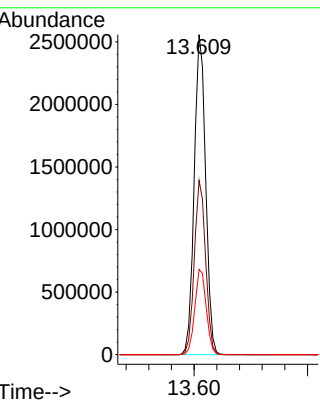
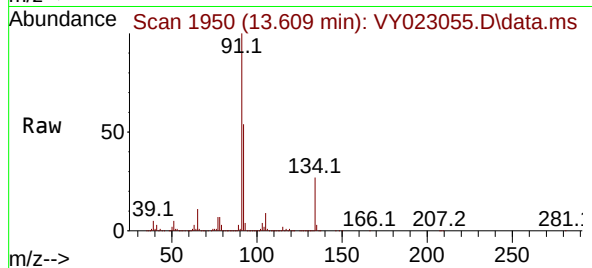
134 26.7 13.2 39.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025

Supervised By :Semsettin Yesilyurt 08/14/2025



#90

Hexachloroethane

Concen: 154.073 ug/l

RT: 13.871 min Scan# 1993

Delta R.T. 0.000 min

Lab File: VY023055.D

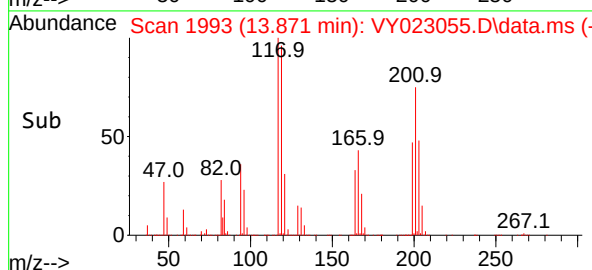
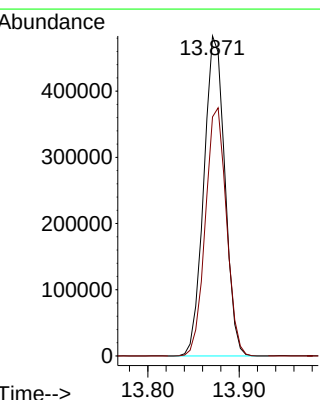
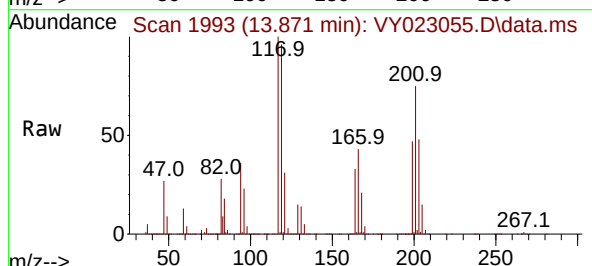
Acq: 12 Aug 2025 16:47

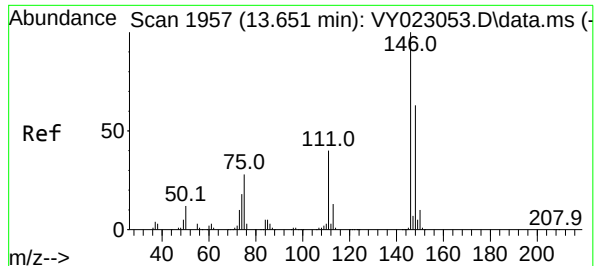
Tgt Ion:117 Resp: 772603

Ion Ratio Lower Upper

117 100

201 77.6 38.4 115.1





#91

1,2-Dichlorobenzene

Concen: 154.469 ug/l

RT: 13.651 min Scan# 1957

Delta R.T. 0.000 min

Lab File: VY023055.D

Acq: 12 Aug 2025 16:47

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion:146 Resp: 1754100

Ion Ratio Lower Upper

146 100

111 40.4 20.3 60.8

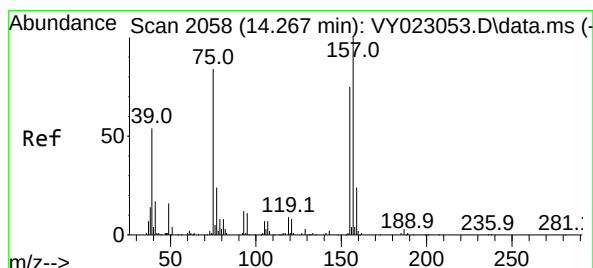
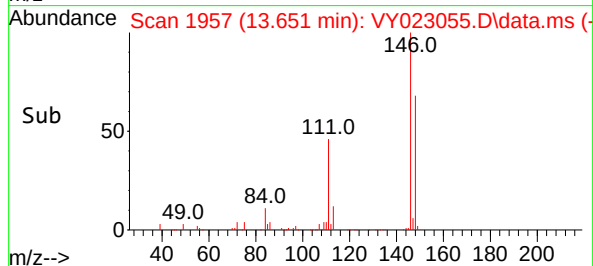
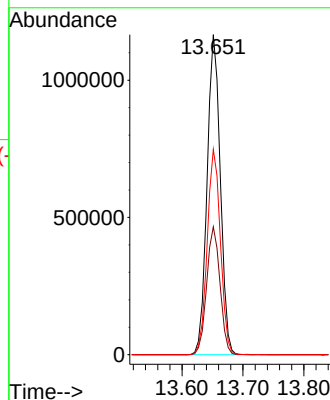
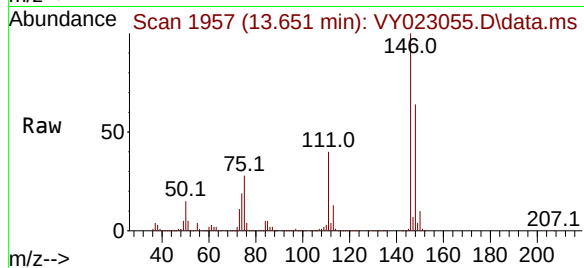
148 64.2 32.2 96.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025

Supervised By :Semsettin Yesilyurt 08/14/2025



#92

1,2-Dibromo-3-Chloropropane

Concen: 156.498 ug/l

RT: 14.267 min Scan# 2058

Delta R.T. 0.000 min

Lab File: VY023055.D

Acq: 12 Aug 2025 16:47

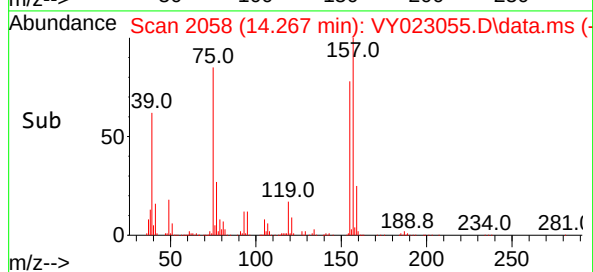
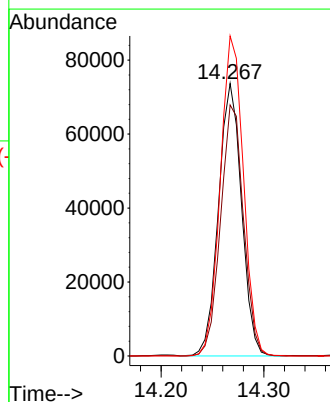
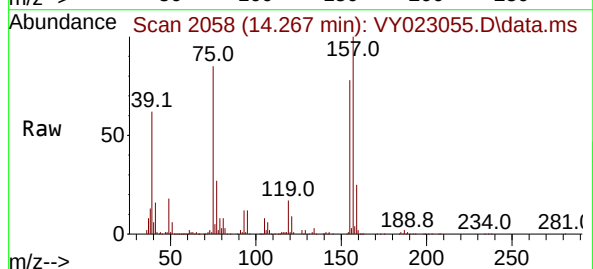
Tgt Ion: 75 Resp: 114505

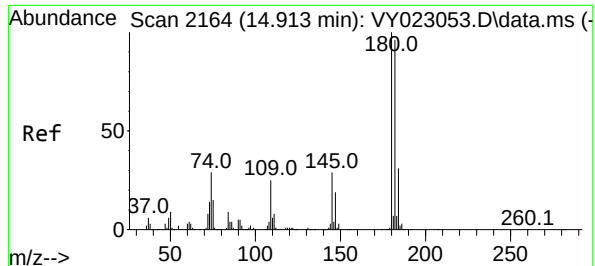
Ion Ratio Lower Upper

75 100

155 91.8 43.9 131.6

157 117.9 57.2 171.6





#93

1,2,4-Trichlorobenzene

Concen: 166.397 ug/l

RT: 14.913 min Scan# 2164

Delta R.T. 0.000 min

Lab File: VY023055.D

Acq: 12 Aug 2025 16:47

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion:180 Resp: 111740

Ion Ratio Lower Upper

180 100

182 95.0 46.8 140.4

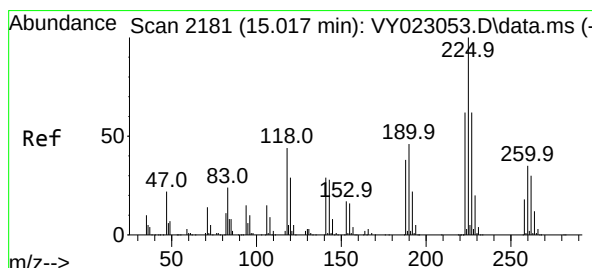
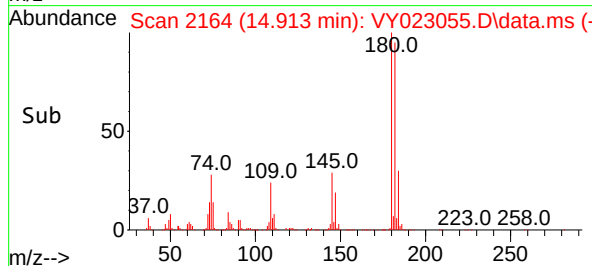
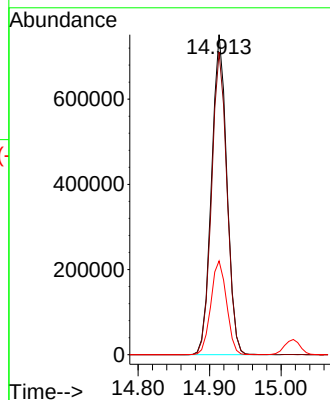
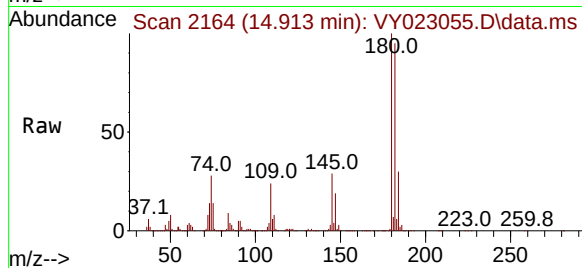
145 30.0 14.4 43.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025

Supervised By :Semsettin Yesilyurt 08/14/2025



#94

Hexachlorobutadiene

Concen: 149.352 ug/l

RT: 15.017 min Scan# 2181

Delta R.T. 0.000 min

Lab File: VY023055.D

Acq: 12 Aug 2025 16:47

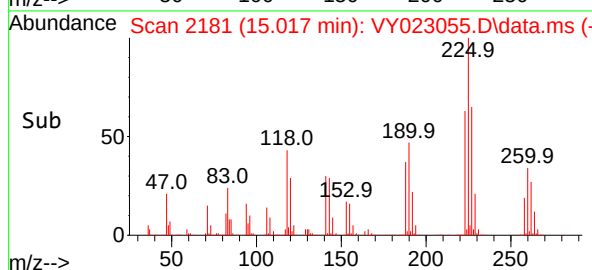
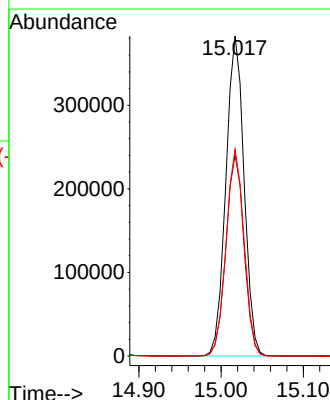
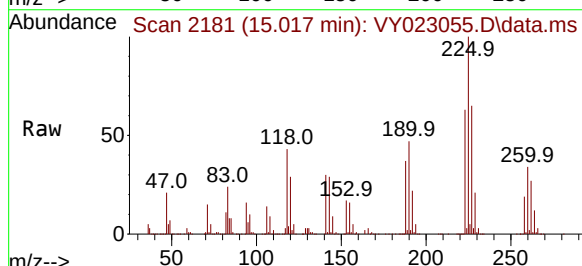
Tgt Ion:225 Resp: 589351

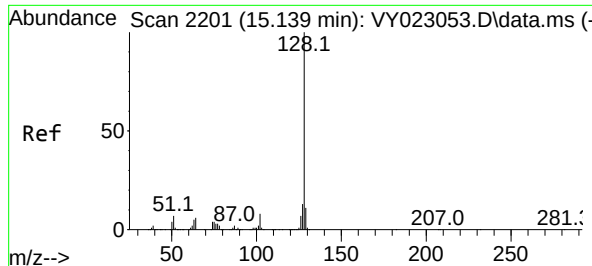
Ion Ratio Lower Upper

225 100

223 62.4 31.3 93.8

227 63.8 31.5 94.5





#95

Naphthalene

Concen: 182.954 ug/l

RT: 15.139 min Scan# 2201

Delta R.T. 0.000 min

Lab File: VY023055.D

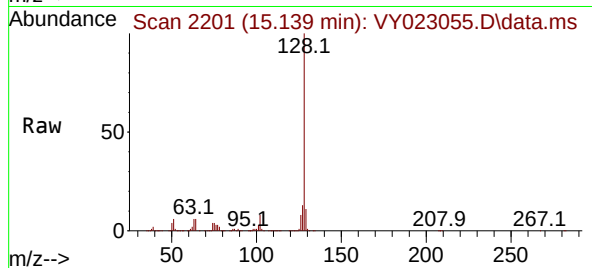
Acq: 12 Aug 2025 16:47

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150



Tgt Ion:128 Resp: 209498

Ion Ratio Lower Upper

128 100

127 12.9 10.4 15.6

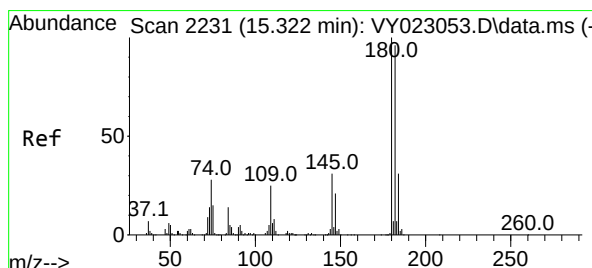
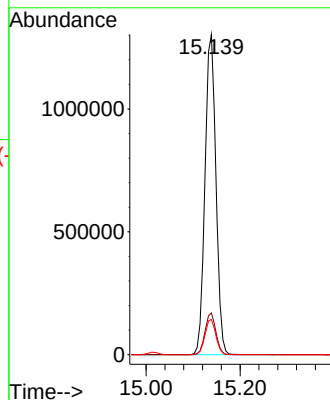
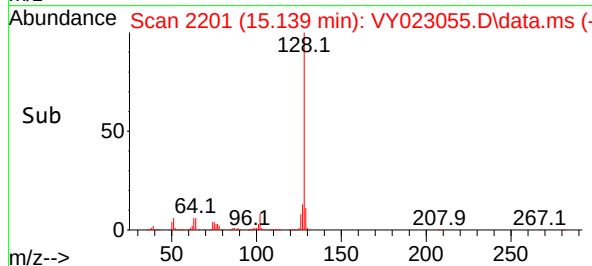
129 11.0 9.0 13.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025

Supervised By :Semsettin Yesilyurt 08/14/2025



#96

1,2,3-Trichlorobenzene

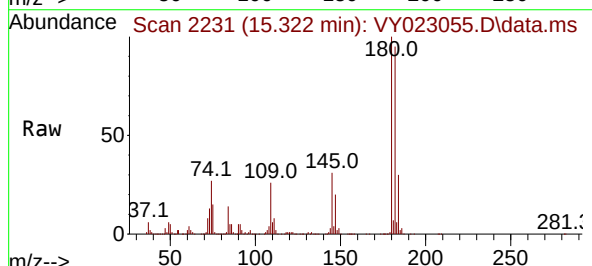
Concen: 168.557 ug/l

RT: 15.322 min Scan# 2231

Delta R.T. 0.000 min

Lab File: VY023055.D

Acq: 12 Aug 2025 16:47



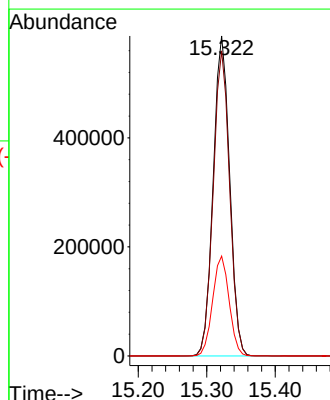
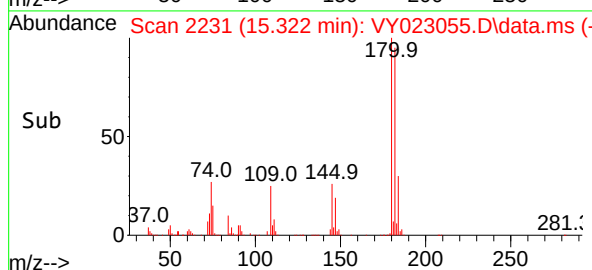
Tgt Ion:180 Resp: 975366

Ion Ratio Lower Upper

180 100

182 95.2 47.9 143.7

145 31.4 15.9 47.7



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081225\
 Data File : VY023057.D
 Acq On : 12 Aug 2025 17:53
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY081225

Quant Time: Aug 13 02:14:27 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 13 02:10:11 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025
 Supervised By :Semsettin Yesilyurt 08/14/2025

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	528657	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	849851	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	756555	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	376990	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.055	65	252116	50.038	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 100.080%	
35) Dibromofluoromethane	7.628	113	255171	50.179	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 100.360%	
50) Toluene-d8	10.103	98	979510	49.306	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 98.620%	
62) 4-Bromofluorobenzene	12.402	95	329022	51.500	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 103.000%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.867	85	179421	41.579	ug/l	99
3) Chloromethane	2.068	50	340600	48.732	ug/l	100
4) Vinyl Chloride	2.202	62	416413	48.198	ug/l	99
5) Bromomethane	2.592	94	303147	46.983	ug/l	98
6) Chloroethane	2.733	64	281008	48.923	ug/l	99
7) Trichlorofluoromethane	3.050	101	493782	47.003	ug/l	100
8) Diethyl Ether	3.452	74	132818	47.787	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.812	101	247351	47.725	ug/l	99
10) Methyl Iodide	4.001	142	287126	51.340	ug/l	99
11) Tert butyl alcohol	4.860	59	84906	245.940	ug/l	98
12) 1,1-Dichloroethene	3.787	96	242931	47.686	ug/l	95
13) Acrolein	3.647	56	112246	222.008	ug/l	98
14) Allyl chloride	4.379	41	354691	47.317	ug/l	99
15) Acrylonitrile	5.055	53	274329	242.779	ug/l	99
16) Acetone	3.867	43	229985	210.695	ug/l	96
17) Carbon Disulfide	4.104	76	779852	46.948	ug/l	99
18) Methyl Acetate	4.385	43	168821	51.972	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	658713	49.899	ug/l	100
20) Methylene Chloride	4.610	84	283386	49.960	ug/l	98
21) trans-1,2-Dichloroethene	5.110	96	279182	48.765	ug/l	98
22) Diisopropyl ether	6.019	45	814622	50.011	ug/l	97
23) Vinyl Acetate	5.958	43	2182924	242.360	ug/l	100
24) 1,1-Dichloroethane	5.915	63	483509	48.551	ug/l	100
25) 2-Butanone	6.890	43	341490	230.028	ug/l	99
26) 2,2-Dichloropropane	6.884	77	390777	45.475	ug/l	99
27) cis-1,2-Dichloroethene	6.884	96	322451	48.720	ug/l	99
28) Bromochloromethane	7.238	49	198640	50.275	ug/l	100
29) Tetrahydrofuran	7.262	42	227680	247.420	ug/l	100
30) Chloroform	7.421	83	497627	48.450	ug/l	97
31) Cyclohexane	7.695	56	436638	46.526	ug/l	98
32) 1,1,1-Trichloroethane	7.610	97	445943	48.933	ug/l	100
36) 1,1-Dichloropropene	7.829	75	364210	48.193	ug/l	99
37) Ethyl Acetate	6.982	43	157530	49.621	ug/l	99
38) Carbon Tetrachloride	7.817	117	394245	48.030	ug/l	99
39) Methylcyclohexane	9.103	83	493867	49.625	ug/l	98
40) Benzene	8.073	78	1128023	48.428	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081225\
 Data File : VY023057.D
 Acq On : 12 Aug 2025 17:53
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY081225

Quant Time: Aug 13 02:14:27 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 13 02:10:11 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025
 Supervised By :Semsettin Yesilyurt 08/14/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	88437	48.269	ug/l	99
42) 1,2-Dichloroethane	8.152	62	291766	48.162	ug/l	100
43) Isopropyl Acetate	8.195	43	315013	49.094	ug/l	98
44) Trichloroethene	8.860	130	287745	47.803	ug/l	95
45) 1,2-Dichloropropane	9.140	63	262408	48.961	ug/l	98
46) Dibromomethane	9.225	93	149745	48.679	ug/l	99
47) Bromodichloromethane	9.420	83	391522	49.463	ug/l	98
48) Methyl methacrylate	9.219	41	155118	50.520	ug/l	99
49) 1,4-Dioxane	9.225	88	35050	971.749	ug/l	98
51) 4-Methyl-2-Pentanone	9.993	43	823949	248.943	ug/l	99
52) Toluene	10.164	92	724356	48.963	ug/l	100
53) t-1,3-Dichloropropene	10.390	75	356228	49.699	ug/l	99
54) cis-1,3-Dichloropropene	9.853	75	415017	48.965	ug/l	97
55) 1,1,2-Trichloroethane	10.567	97	201146	48.867	ug/l	98
56) Ethyl methacrylate	10.432	69	267458	50.779	ug/l	99
57) 1,3-Dichloropropane	10.713	76	343649	49.228	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.707	63	678865	273.240	ug/l	100
59) 2-Hexanone	10.756	43	551743	244.812	ug/l	99
60) Dibromochloromethane	10.908	129	270536	49.810	ug/l	99
61) 1,2-Dibromoethane	11.012	107	190334	49.197	ug/l	100
64) Tetrachloroethene	10.640	164	307456	45.512	ug/l	98
65) Chlorobenzene	11.438	112	787799	48.275	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.512	131	270360	48.815	ug/l	99
67) Ethyl Benzene	11.512	91	1380648	49.163	ug/l	100
68) m/p-Xylenes	11.621	106	1080541	98.515	ug/l	99
69) o-Xylene	11.950	106	509991	49.645	ug/l	99
70) Styrene	11.963	104	852310	50.733	ug/l	99
71) Bromoform	12.127	173	157073	48.525	ug/l #	98
73) Isopropylbenzene	12.249	105	1327070	49.876	ug/l	100
74) N-amyl acetate	12.066	43	285118	50.529	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.499	83	224206	49.350	ug/l	98
76) 1,2,3-Trichloropropane	12.548	75	167859m	46.136	ug/l	
77) Bromobenzene	12.524	156	311065	49.004	ug/l	99
78) n-propylbenzene	12.591	91	1610911	50.853	ug/l	100
79) 2-Chlorotoluene	12.676	91	905657	49.898	ug/l	100
80) 1,3,5-Trimethylbenzene	12.731	105	1094902	50.916	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.298	75	74263	49.409	ug/l	98
82) 4-Chlorotoluene	12.774	91	932114	49.505	ug/l	100
83) tert-Butylbenzene	12.993	119	979692	50.443	ug/l	99
84) 1,2,4-Trimethylbenzene	13.036	105	1092616	51.042	ug/l	100
85) sec-Butylbenzene	13.170	105	1459437	51.154	ug/l	100
86) p-Isopropyltoluene	13.286	119	1222900	51.639	ug/l	100
87) 1,3-Dichlorobenzene	13.280	146	621371	49.639	ug/l	98
88) 1,4-Dichlorobenzene	13.359	146	602429	48.514	ug/l	99
89) n-Butylbenzene	13.609	91	1122189	51.594	ug/l	100
90) Hexachloroethane	13.871	117	245386	50.617	ug/l	99
91) 1,2-Dichlorobenzene	13.651	146	540506	49.234	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.267	75	35428	50.085	ug/l	98
93) 1,2,4-Trichlorobenzene	14.913	180	320472	49.363	ug/l	99
94) Hexachlorobutadiene	15.017	225	184430	48.344	ug/l	99
95) Naphthalene	15.139	128	571480	51.623	ug/l	100
96) 1,2,3-Trichlorobenzene	15.322	180	272638	48.735	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081225\
Data File : VY023057.D
Acq On : 12 Aug 2025 17:53
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY081225

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025

Quant Time: Aug 13 02:14:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

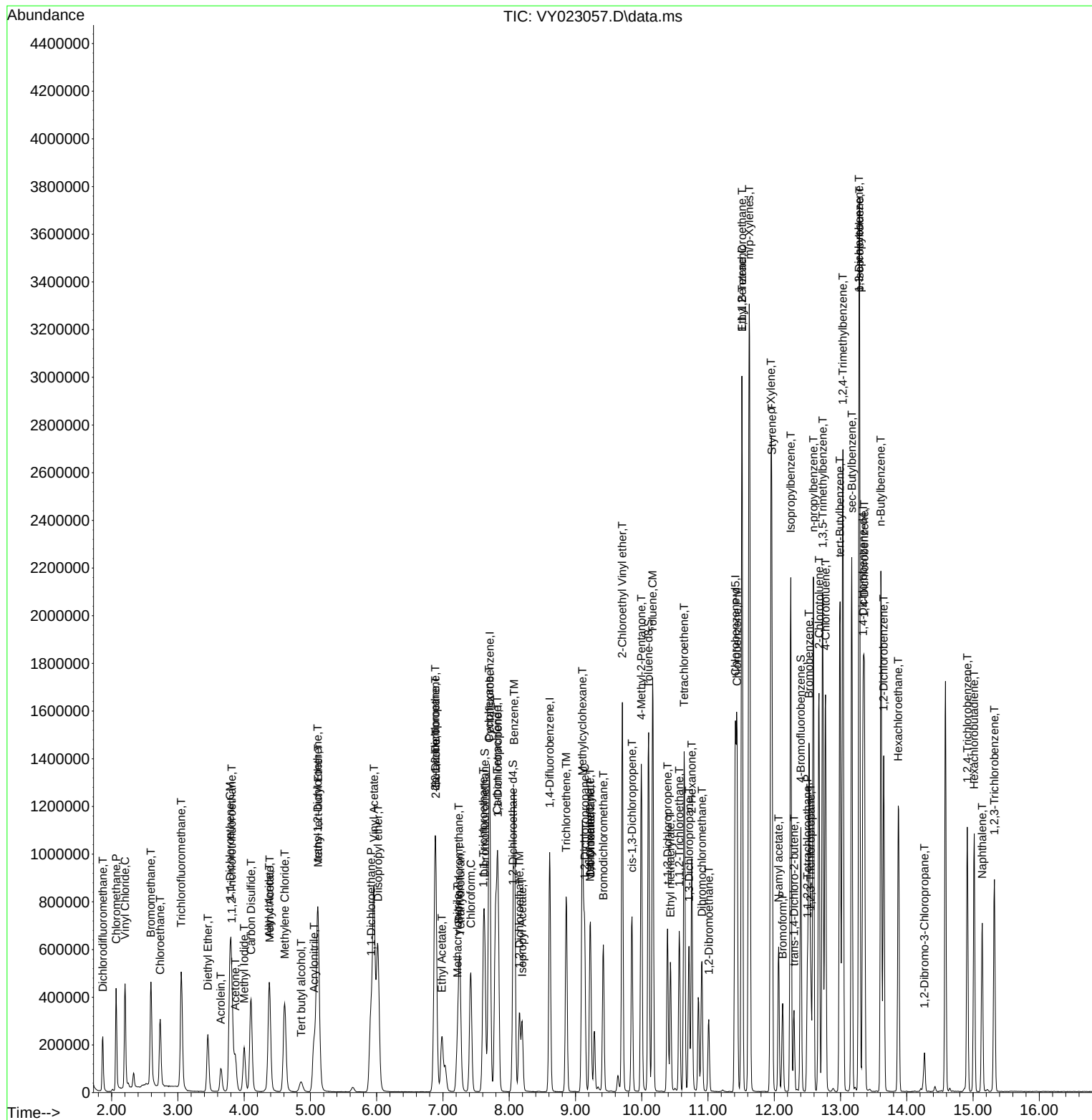
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
----------	------	------	----------	------	-------	----------

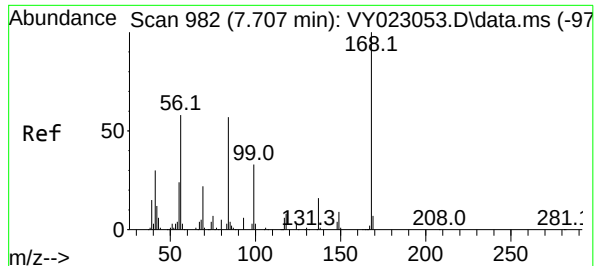
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_Y
ClientSampleId :
ICVY081225

Manual Integrations APPROVED

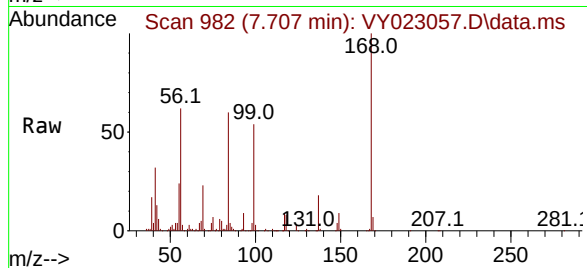
Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

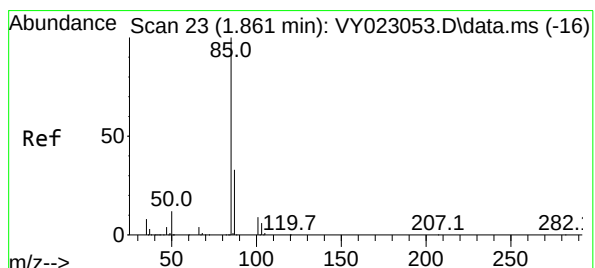
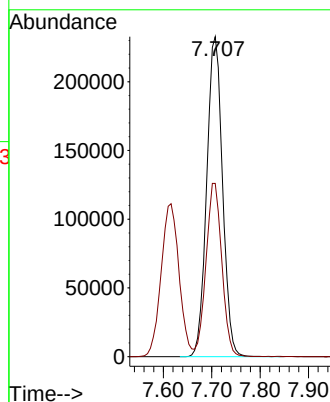
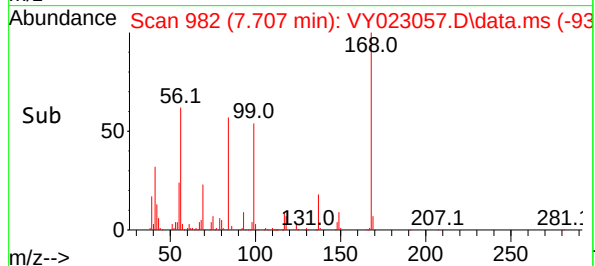
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY081225



Tgt Ion: 168 Resp: 52865
Ion Ratio Lower Upper
168 100
99 54.1 42.8 64.2

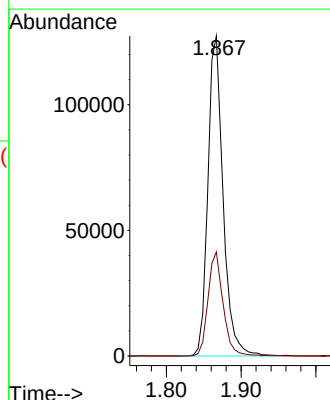
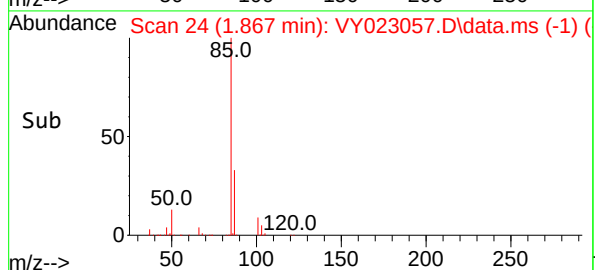
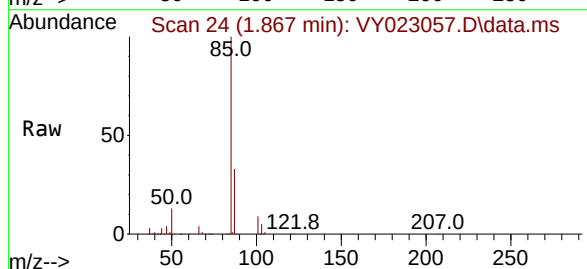
Manual Integrations
APPROVED

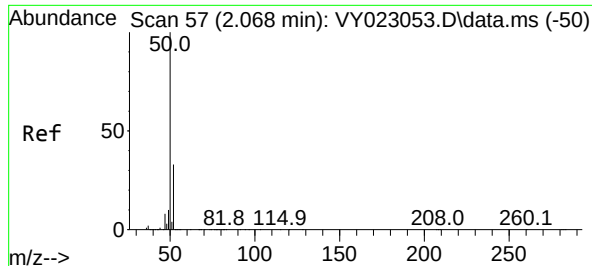
Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025



#2
Dichlorodifluoromethane
Concen: 41.579 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.006 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion: 85 Resp: 179421
Ion Ratio Lower Upper
85 100
87 32.5 16.6 49.8





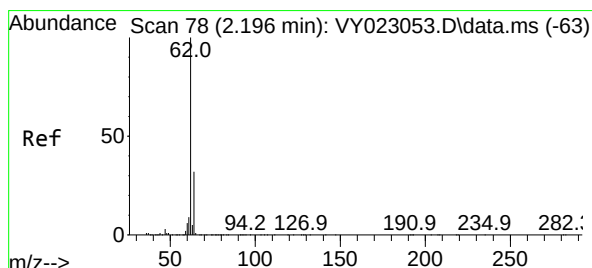
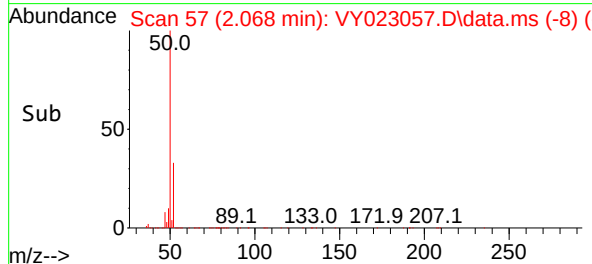
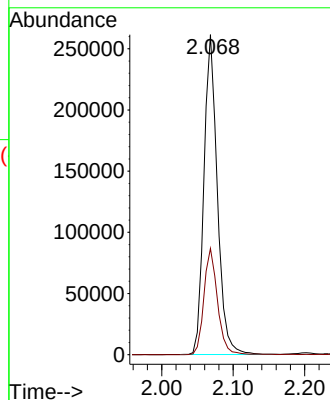
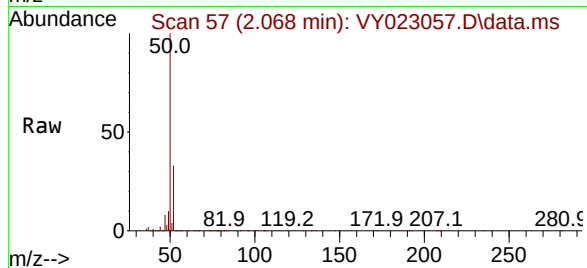
#3
Chloromethane
Concen: 48.732 ug/l
RT: 2.068 min Scan# 51
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY081225

Tgt Ion: 50 Resp: 340600
Ion Ratio Lower Upper
50 100
52 33.2 26.7 40.1

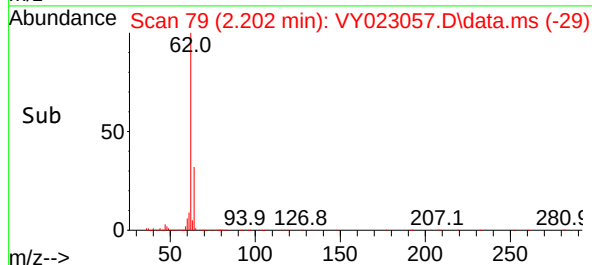
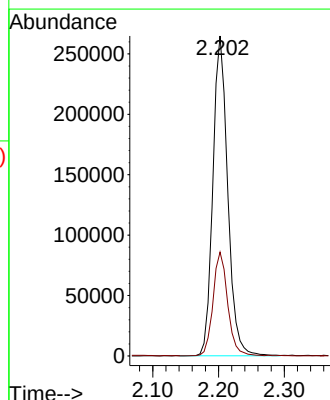
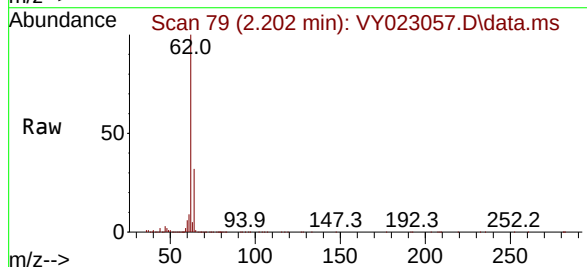
Manual Integrations
APPROVED

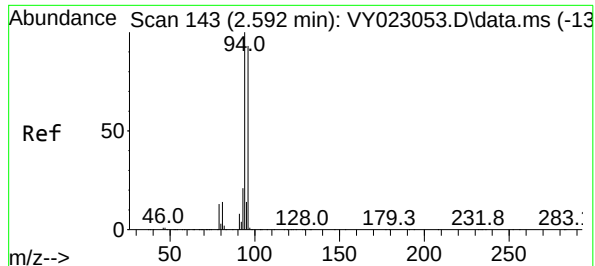
Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025



#4
Vinyl Chloride
Concen: 48.198 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.006 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion: 62 Resp: 416413
Ion Ratio Lower Upper
62 100
64 32.4 25.4 38.0





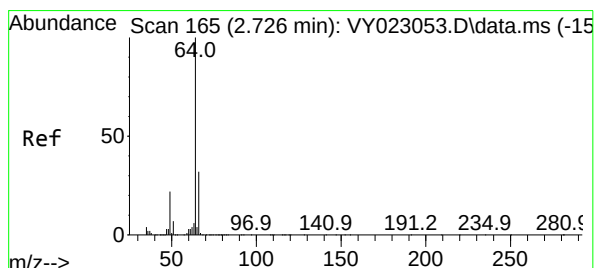
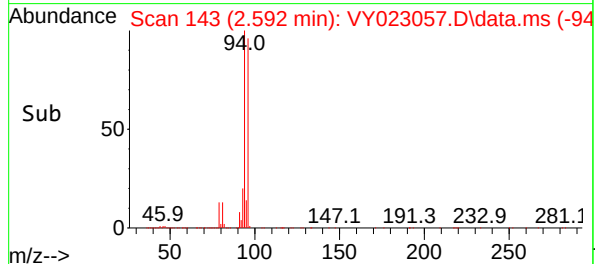
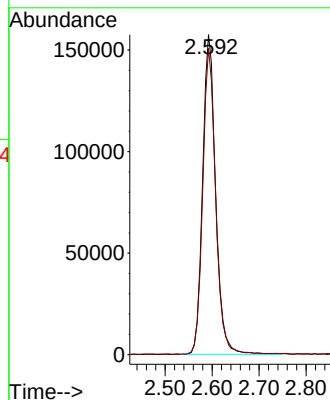
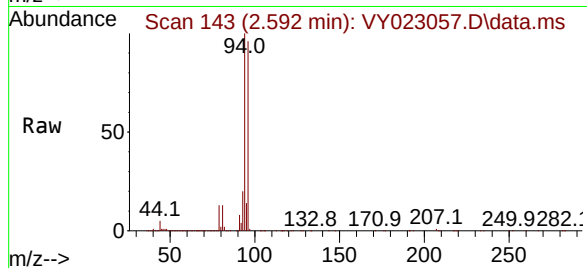
#5
Bromomethane
Concen: 46.983 ug/l
RT: 2.592 min Scan# 143
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY081225

Tgt Ion: 94 Resp: 30314
Ion Ratio Lower Upper
94 100
96 95.7 74.6 112.0

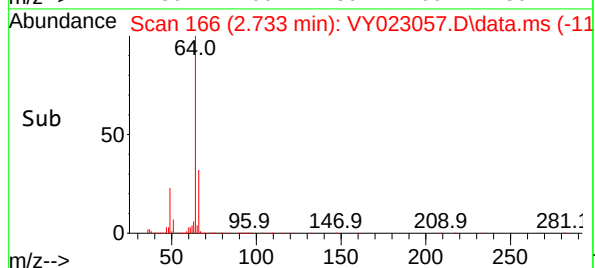
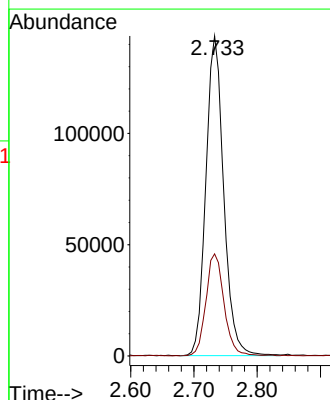
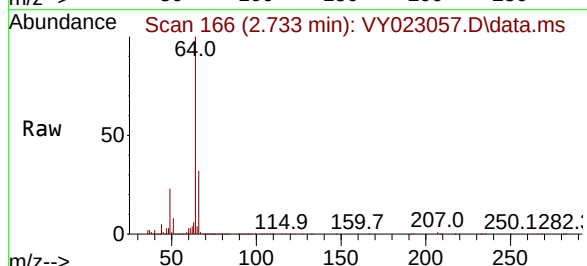
Manual Integrations
APPROVED

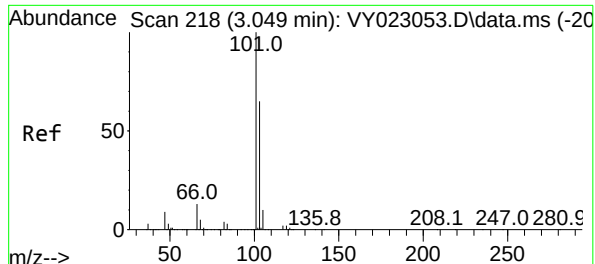
Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025



#6
Chloroethane
Concen: 48.923 ug/l
RT: 2.733 min Scan# 166
Delta R.T. 0.006 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion: 64 Resp: 281008
Ion Ratio Lower Upper
64 100
66 31.9 25.8 38.6





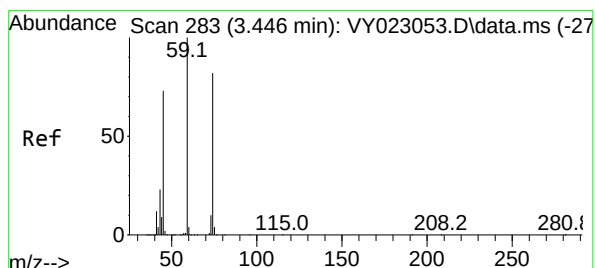
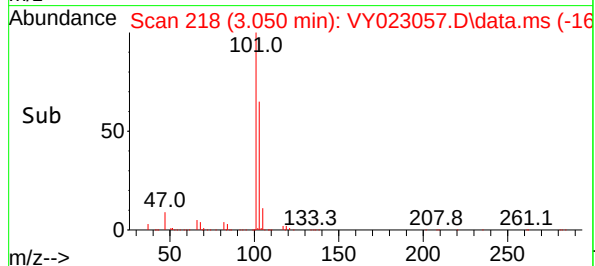
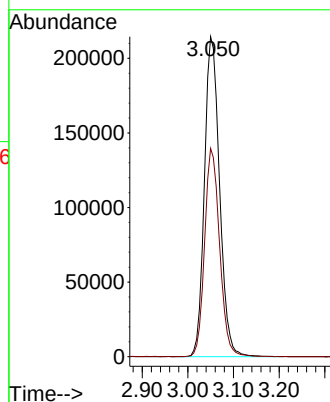
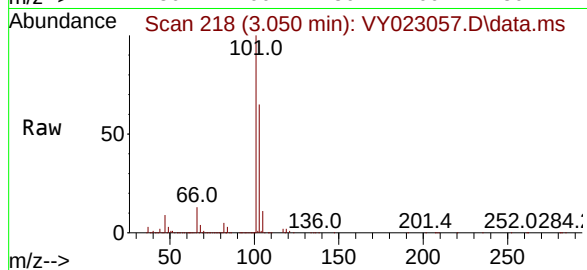
#7
Trichlorofluoromethane
Concen: 47.003 ug/l
RT: 3.050 min Scan# 218
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Instrument :
MSVOA_Y
ClientSampleId :
ICVY081225

Tgt Ion:101 Resp: 49378
Ion Ratio Lower Upper
101 100
103 65.1 51.9 77.9

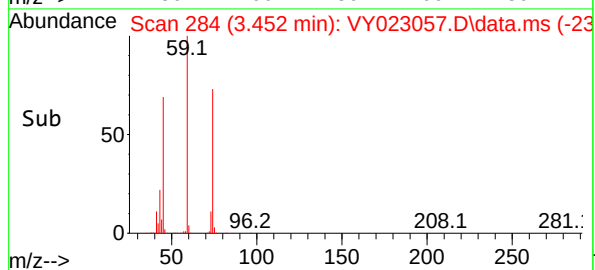
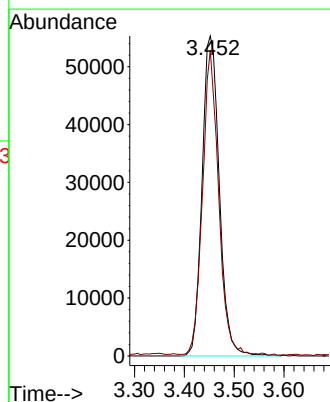
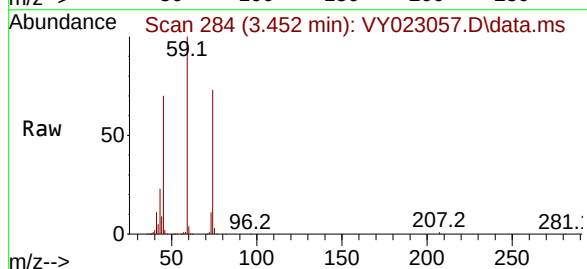
Manual Integrations
APPROVED

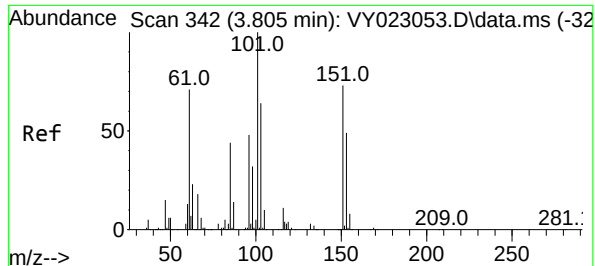
Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025



#8
Diethyl Ether
Concen: 47.787 ug/l
RT: 3.452 min Scan# 284
Delta R.T. 0.006 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion: 74 Resp: 132818
Ion Ratio Lower Upper
74 100
45 88.1 44.4 133.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.725 ug/l

RT: 3.812 min Scan# 342

Delta R.T. 0.006 min

Lab File: VY023057.D

Acq: 12 Aug 2025 17:53

Instrument :

MSVOA_Y

ClientSampleId :

ICVY081225

Tgt Ion:101 Resp: 24735

Ion Ratio Lower Upper

101 100

85 44.9 36.3 54.5

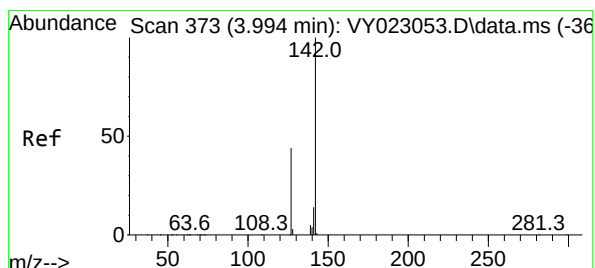
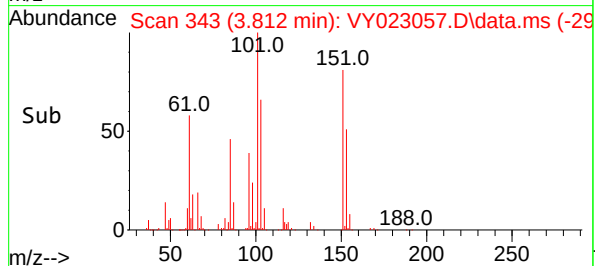
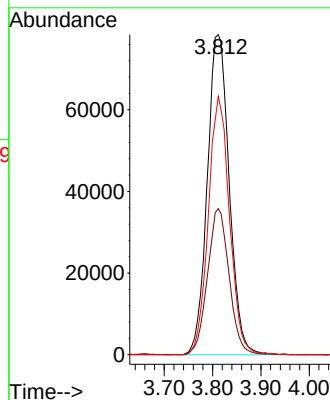
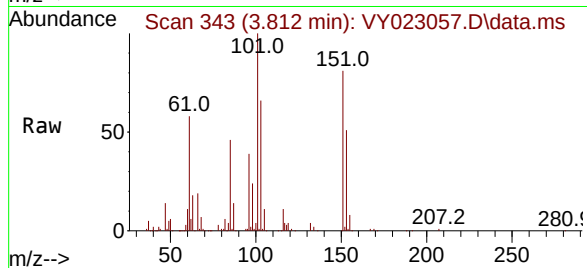
151 77.9 61.5 92.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025

Supervised By :Semsettin Yesilyurt 08/14/2025



#10

Methyl Iodide

Concen: 51.340 ug/l

RT: 4.001 min Scan# 374

Delta R.T. 0.006 min

Lab File: VY023057.D

Acq: 12 Aug 2025 17:53

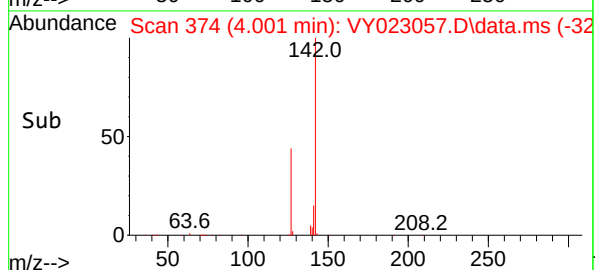
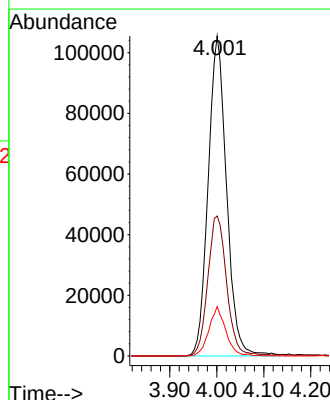
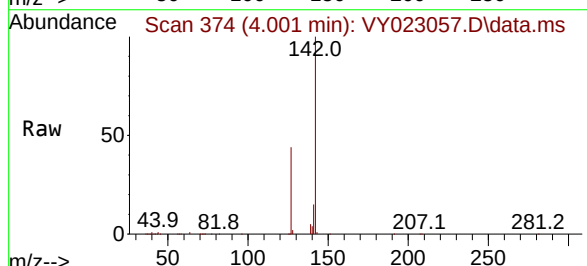
Tgt Ion:142 Resp: 287126

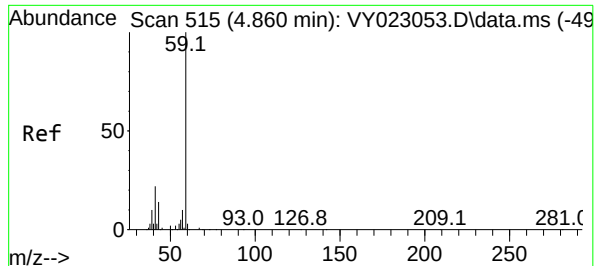
Ion Ratio Lower Upper

142 100

127 44.8 34.9 52.3

141 14.1 11.3 16.9





#11

Tert butyl alcohol

Concen: 245.940 ug/l

RT: 4.860 min Scan# 515

Delta R.T. 0.000 min

Lab File: VY023057.D

Acq: 12 Aug 2025 17:53

Instrument :

MSVOA_Y

ClientSampleId :

ICVY081225

Tgt Ion: 59 Resp: 84900

Ion Ratio Lower Upper

59 100

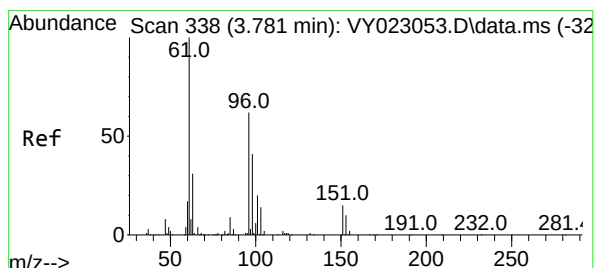
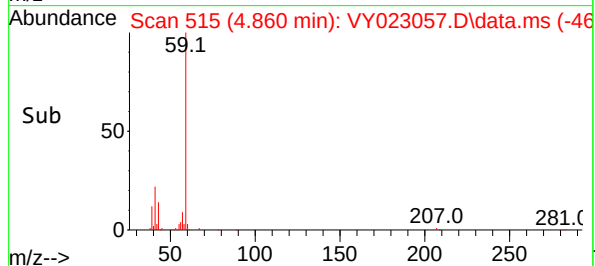
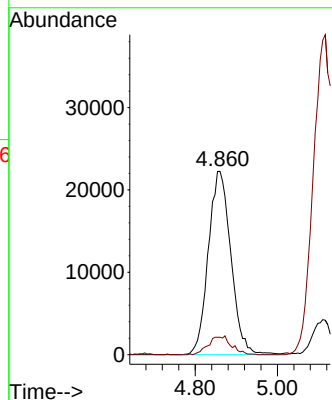
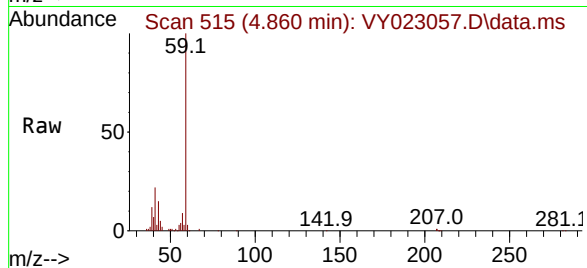
57 10.2 8.6 13.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025

Supervised By :Semsettin Yesilyurt 08/14/2025



#12

1,1-Dichloroethene

Concen: 47.686 ug/l

RT: 3.787 min Scan# 339

Delta R.T. 0.006 min

Lab File: VY023057.D

Acq: 12 Aug 2025 17:53

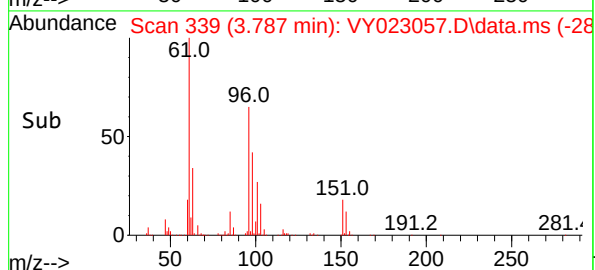
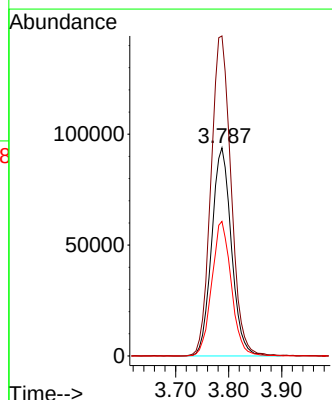
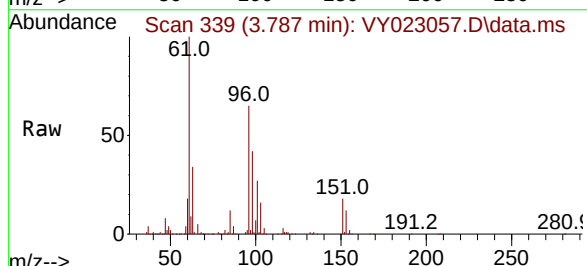
Tgt Ion: 96 Resp: 242931

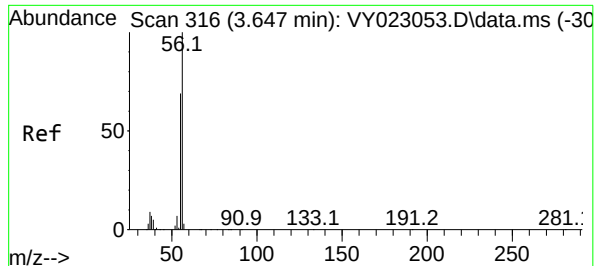
Ion Ratio Lower Upper

96 100

61 153.7 129.4 194.2

98 64.6 52.8 79.2





#13

Acrolein

Concen: 222.008 ug/l

RT: 3.647 min Scan# 316

Delta R.T. 0.000 min

Lab File: VY023057.D

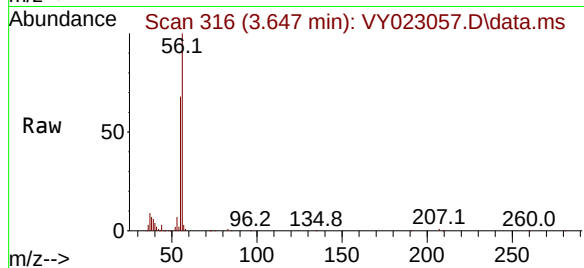
Acq: 12 Aug 2025 17:53

Instrument :

MSVOA_Y

ClientSampleId :

ICVY081225



Tgt Ion: 56 Resp: 112240

Ion Ratio Lower Upper

56 100

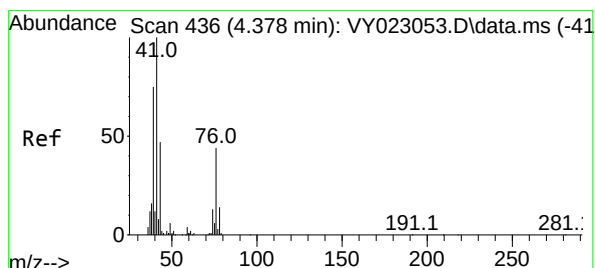
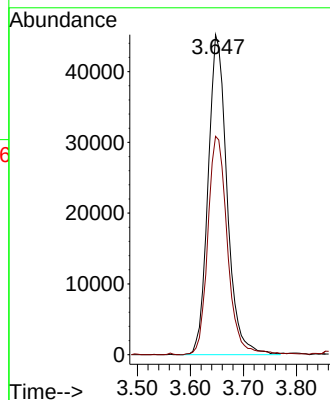
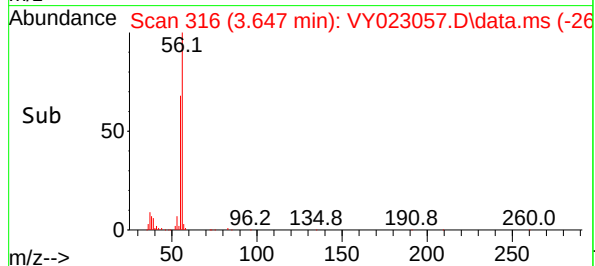
55 70.5 55.2 82.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025

Supervised By :Semsettin Yesilyurt 08/14/2025



#14

Allyl chloride

Concen: 47.317 ug/l

RT: 4.379 min Scan# 436

Delta R.T. 0.000 min

Lab File: VY023057.D

Acq: 12 Aug 2025 17:53

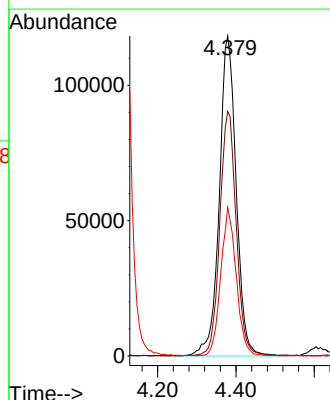
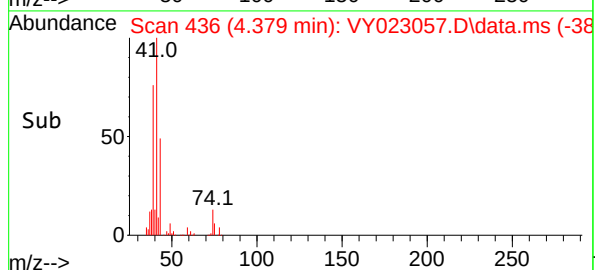
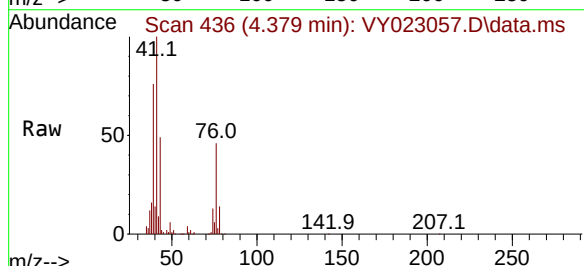
Tgt Ion: 41 Resp: 354691

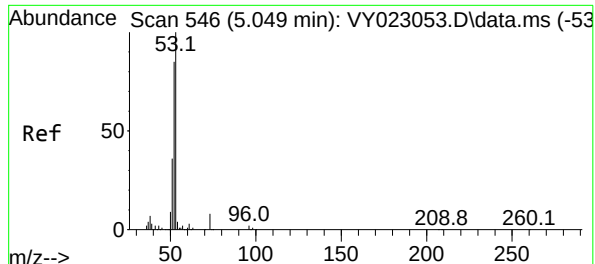
Ion Ratio Lower Upper

41 100

39 74.2 59.8 89.6

76 42.7 33.7 50.5





#15

Acrylonitrile

Concen: 242.779 ug/l

RT: 5.055 min Scan# 54

Delta R.T. 0.006 min

Lab File: VY023057.D

Acq: 12 Aug 2025 17:53

Instrument :

MSVOA_Y

ClientSampleId :

ICVY081225

Tgt Ion: 53 Resp: 274329

Ion Ratio Lower Upper

53 100

52 82.1 65.3 97.9

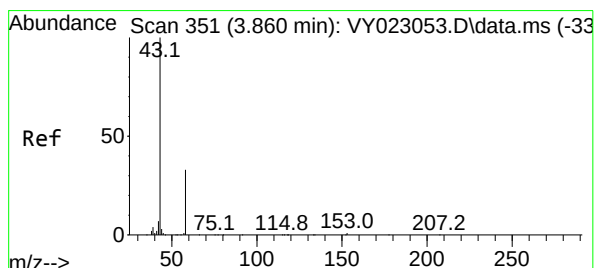
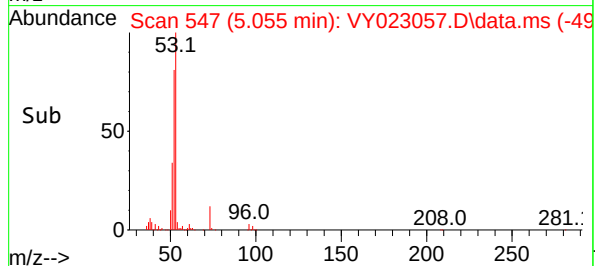
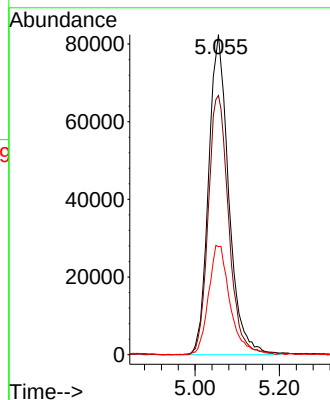
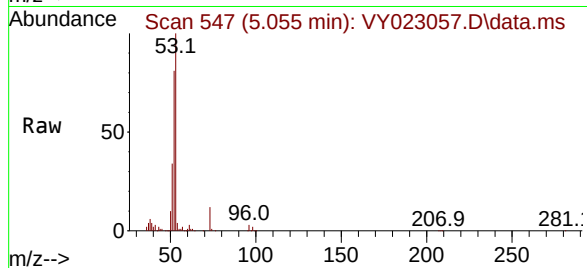
51 36.5 29.5 44.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025

Supervised By :Semsettin Yesilyurt 08/14/2025



#16

Acetone

Concen: 210.695 ug/l

RT: 3.867 min Scan# 352

Delta R.T. 0.006 min

Lab File: VY023057.D

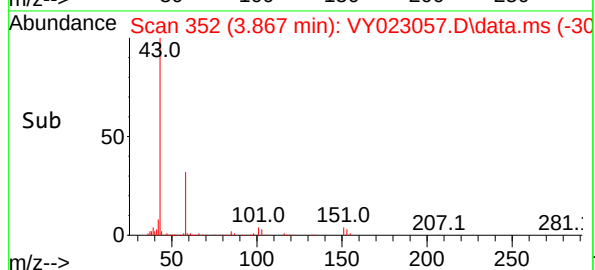
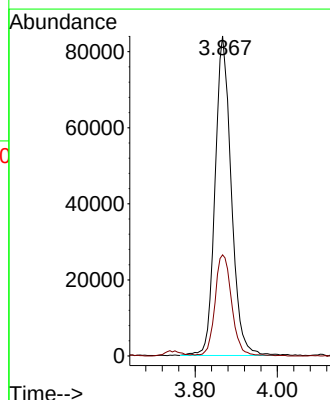
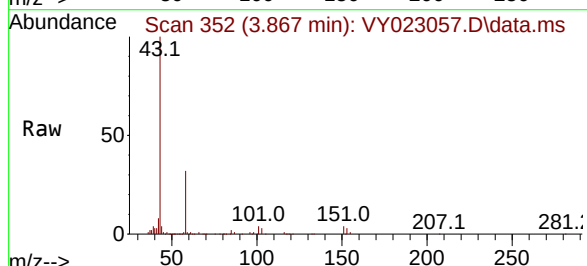
Acq: 12 Aug 2025 17:53

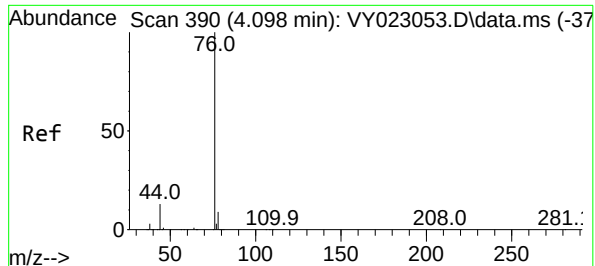
Tgt Ion: 43 Resp: 229985

Ion Ratio Lower Upper

43 100

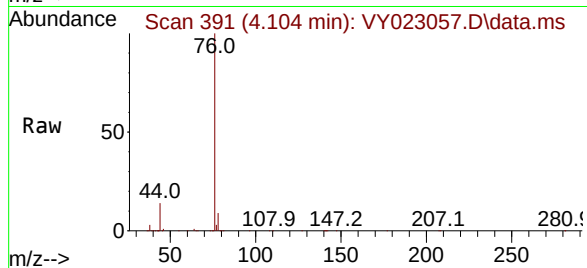
58 31.5 27.1 40.7





#17
Carbon Disulfide
Concen: 46.948 ug/l
RT: 4.104 min Scan# 391
Delta R.T. 0.006 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

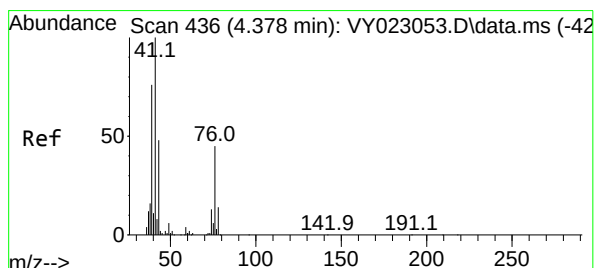
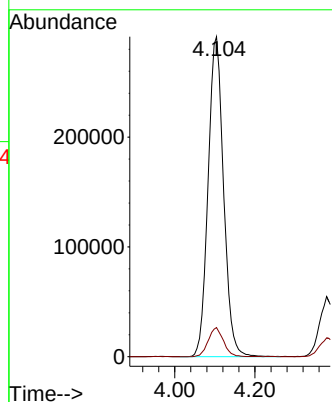
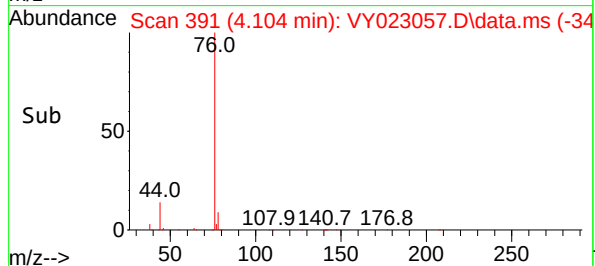
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY081225



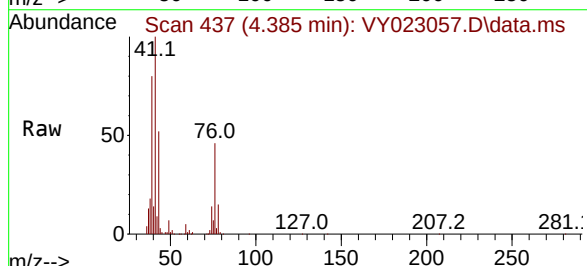
Tgt Ion: 76 Resp: 779852
Ion Ratio Lower Upper
76 100
78 9.1 7.4 11.2

Manual Integrations
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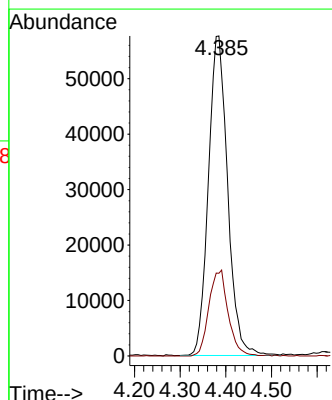
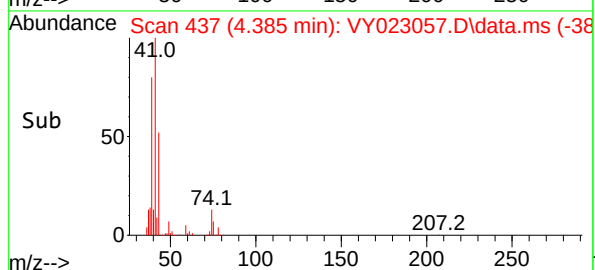
Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025

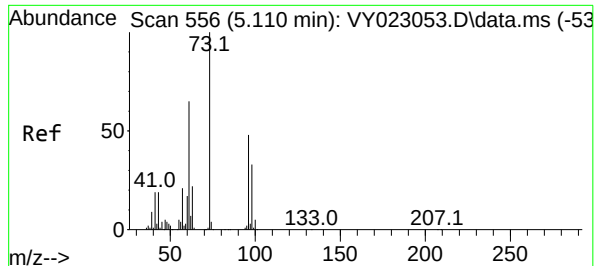


#18
Methyl Acetate
Concen: 51.972 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.006 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53



Tgt Ion: 43 Resp: 168821
Ion Ratio Lower Upper
43 100
74 26.8 21.2 31.8





#19

Methyl tert-butyl Ether

Concen: 49.899 ug/l

RT: 5.116 min Scan# 51

Delta R.T. 0.006 min

Lab File: VY023057.D

Acq: 12 Aug 2025 17:53

Instrument :

MSVOA_Y

ClientSampleId :

ICVY081225

Tgt Ion: 73 Resp: 65871

Ion Ratio Lower Upper

73 100

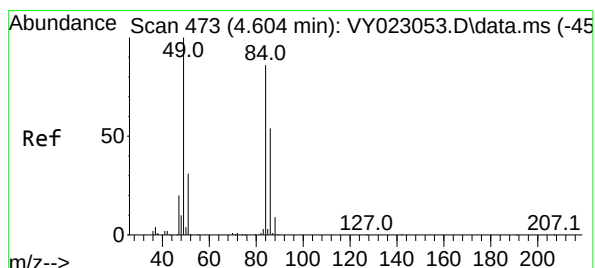
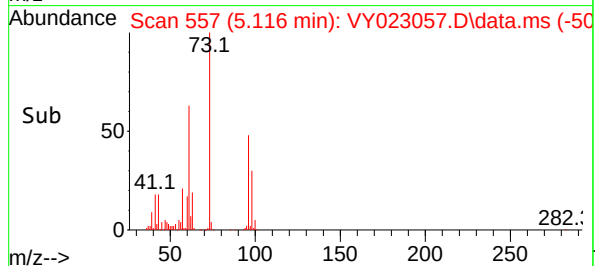
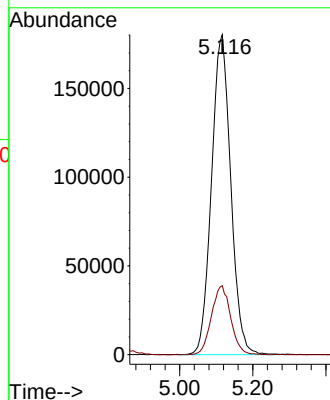
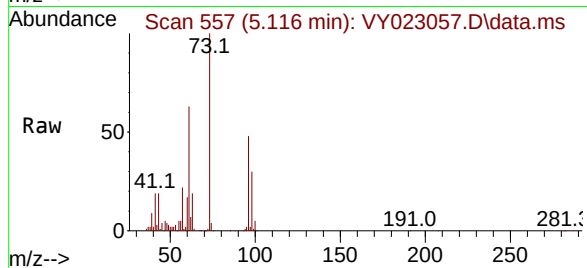
57 21.5 17.1 25.7

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025

Supervised By :Semsettin Yesilyurt 08/14/2025



#20

Methylene Chloride

Concen: 49.960 ug/l

RT: 4.610 min Scan# 474

Delta R.T. 0.006 min

Lab File: VY023057.D

Acq: 12 Aug 2025 17:53

Tgt Ion: 84 Resp: 283386

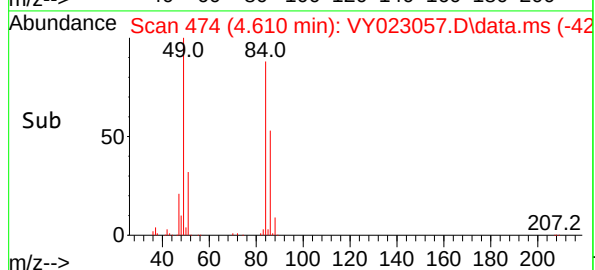
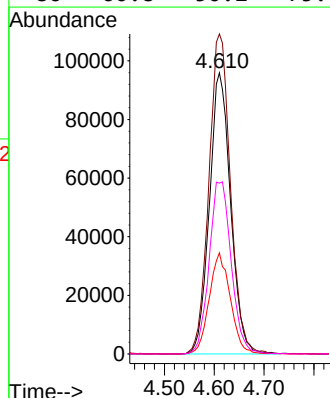
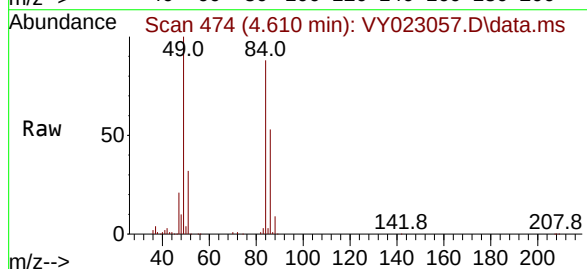
Ion Ratio Lower Upper

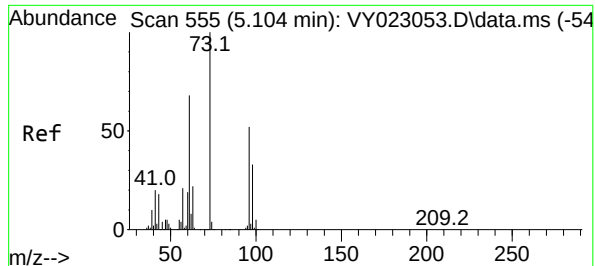
84 100

49 113.8 93.0 139.6

51 36.0 29.0 43.4

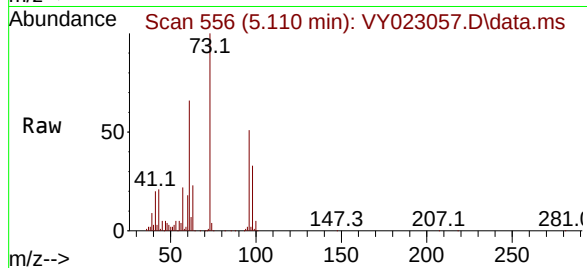
86 60.8 50.2 75.4





#21
trans-1,2-Dichloroethene
Concen: 48.765 ug/l
RT: 5.110 min Scan# 5110
Delta R.T. 0.006 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

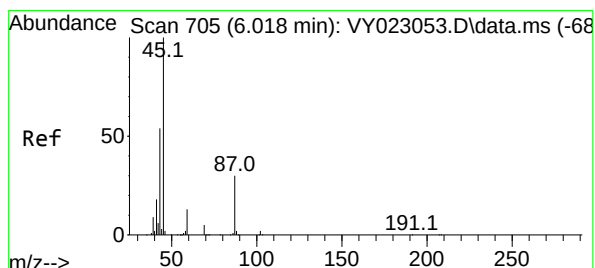
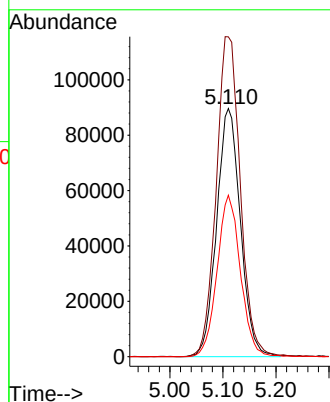
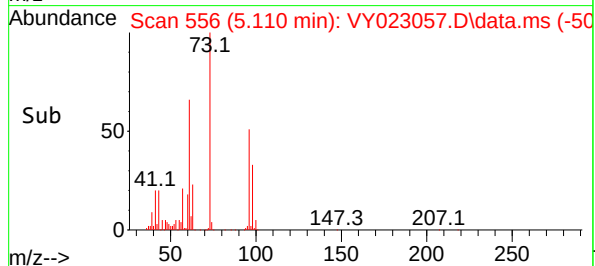
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY081225



Tgt Ion: 96 Resp: 27918
Ion Ratio Lower Upper
96 100
61 128.9 104.8 157.2
98 65.0 50.1 75.1

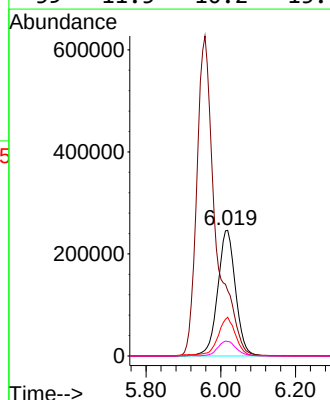
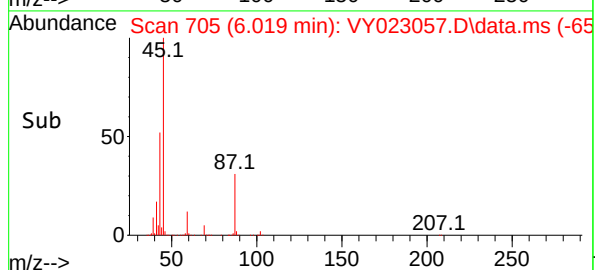
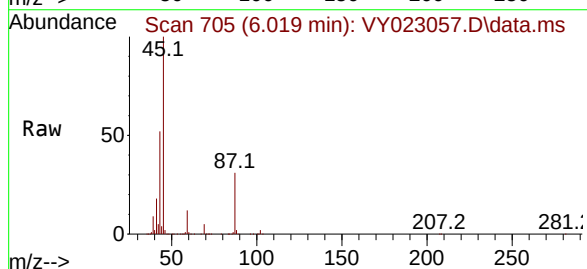
Manual Integrations
APPROVED

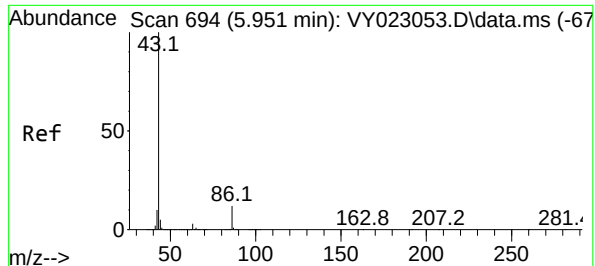
Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025



#22
Diisopropyl ether
Concen: 50.011 ug/l
RT: 6.019 min Scan# 705
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

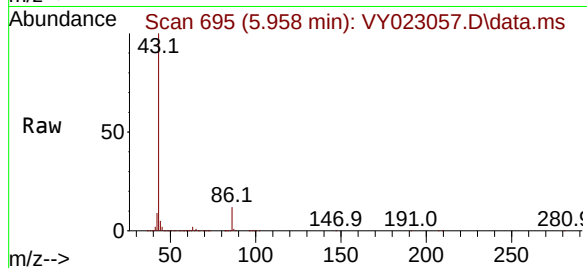
Tgt Ion: 45 Resp: 814622
Ion Ratio Lower Upper
45 100
43 51.7 43.4 65.0
87 30.8 24.4 36.6
59 11.5 10.2 15.4





#23
Vinyl Acetate
Concen: 242.360 ug/l
RT: 5.958 min Scan# 694
Delta R.T. 0.006 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

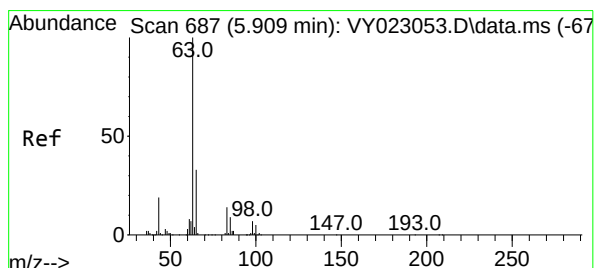
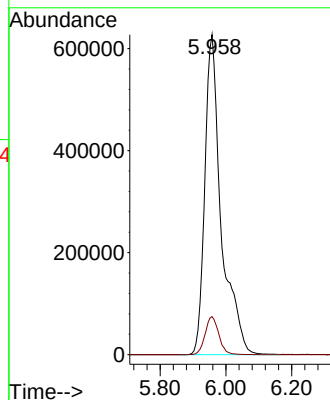
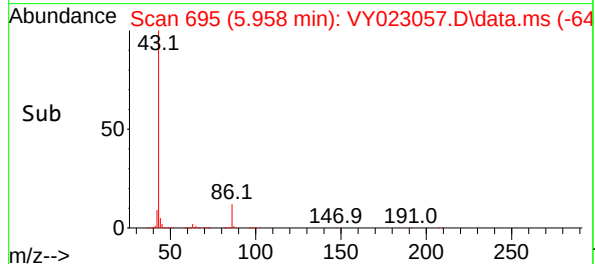
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY081225



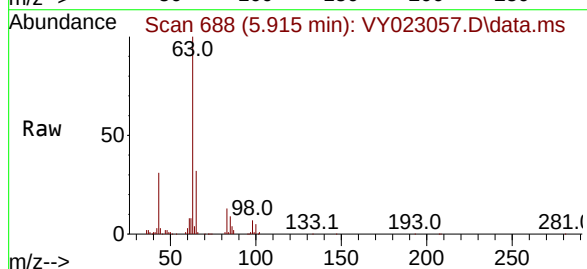
Tgt Ion: 43 Resp: 2182924
Ion Ratio Lower Upper
43 100
86 11.9 9.6 14.4

Manual Integrations
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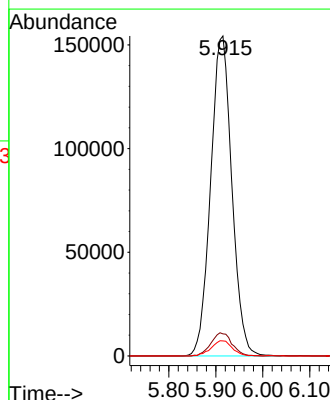
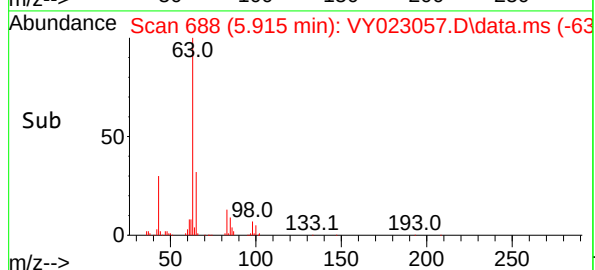
Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025

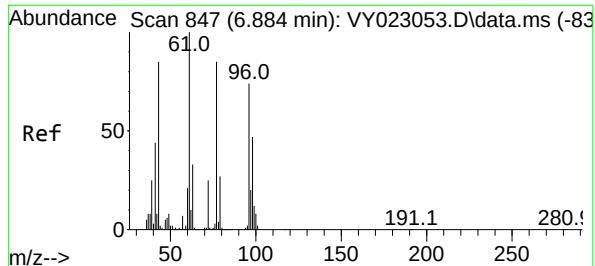


#24
1,1-Dichloroethane
Concen: 48.551 ug/l
RT: 5.915 min Scan# 688
Delta R.T. 0.006 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53



Tgt Ion: 63 Resp: 483509
Ion Ratio Lower Upper
63 100
98 6.9 3.5 10.6
100 4.7 2.4 7.1





#25

2-Butanone

Concen: 230.028 ug/l

RT: 6.890 min Scan# 84

Delta R.T. 0.006 min

Lab File: VY023057.D

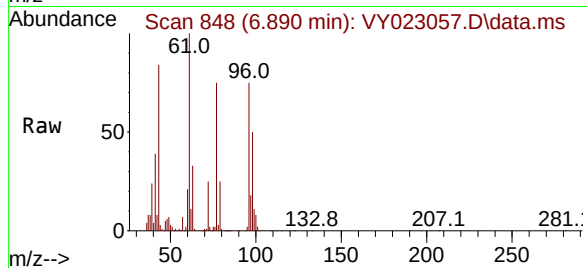
Acq: 12 Aug 2025 17:53

Instrument :

MSVOA_Y

ClientSampleId :

ICVY081225



Tgt Ion: 43 Resp: 341490

Ion Ratio Lower Upper

43 100

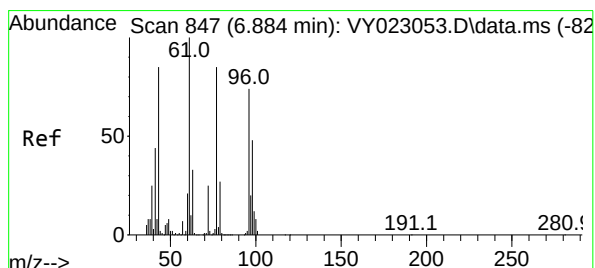
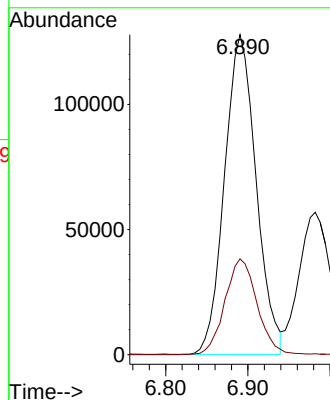
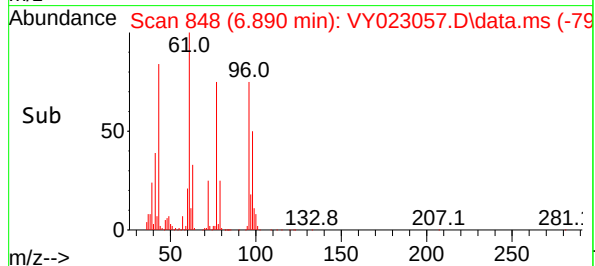
72 30.0 23.5 35.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025

Supervised By :Semsettin Yesilyurt 08/14/2025



#26

2,2-Dichloropropane

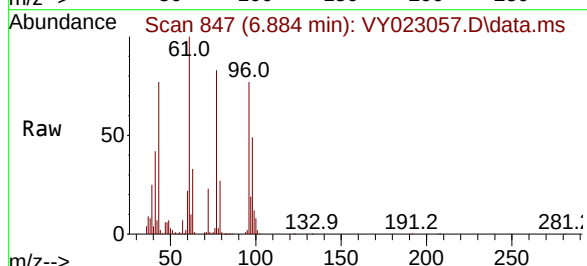
Concen: 45.475 ug/l

RT: 6.884 min Scan# 847

Delta R.T. 0.000 min

Lab File: VY023057.D

Acq: 12 Aug 2025 17:53

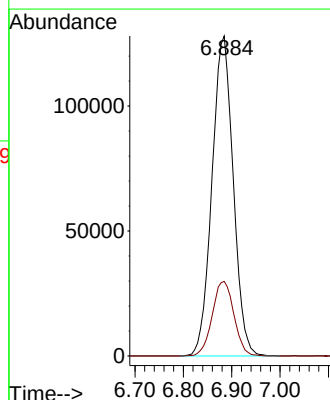
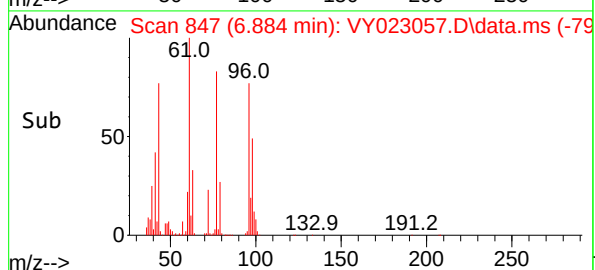


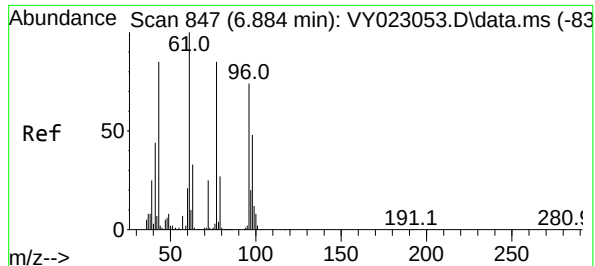
Tgt Ion: 77 Resp: 390777

Ion Ratio Lower Upper

77 100

97 23.8 11.6 34.8





#27

cis-1,2-Dichloroethene

Concen: 48.720 ug/l

RT: 6.884 min Scan# 847

Delta R.T. 0.000 min

Lab File: VY023057.D

Acq: 12 Aug 2025 17:53

Instrument :

MSVOA_Y

ClientSampleId :

ICVY081225

Tgt Ion: 96 Resp: 32245

Ion Ratio Lower Upper

96 100

61 136.9 0.0 278.6

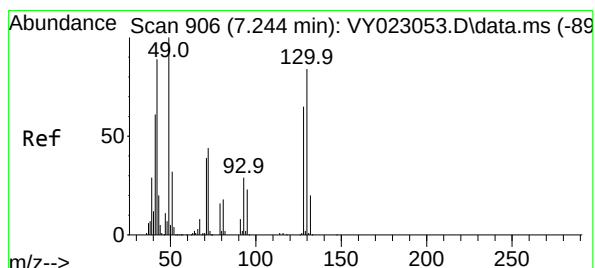
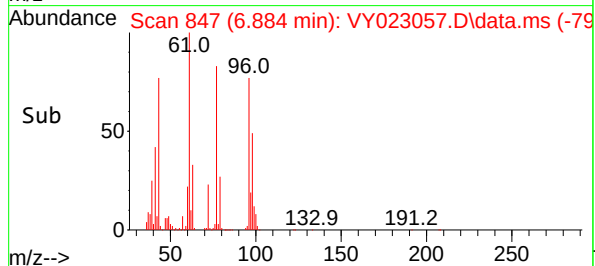
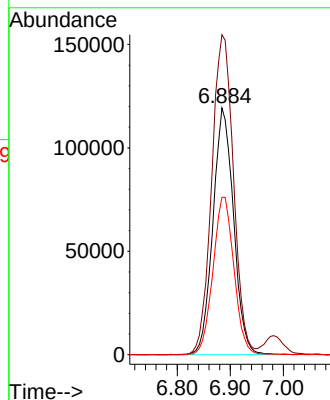
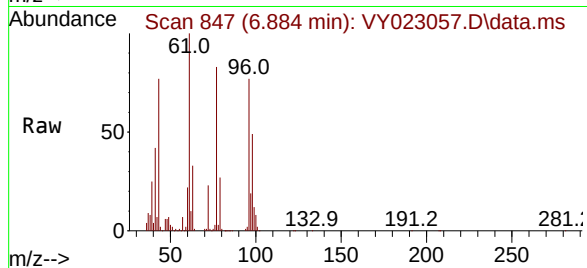
98 65.0 0.0 130.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025

Supervised By :Semsettin Yesilyurt 08/14/2025



#28

Bromochloromethane

Concen: 50.275 ug/l

RT: 7.238 min Scan# 905

Delta R.T. -0.006 min

Lab File: VY023057.D

Acq: 12 Aug 2025 17:53

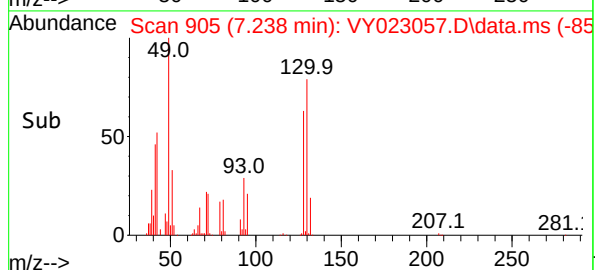
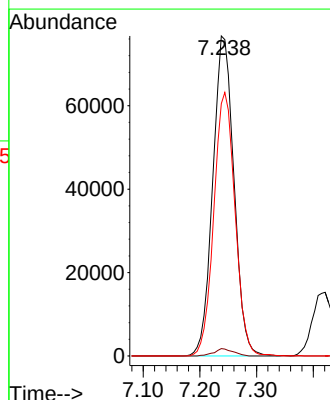
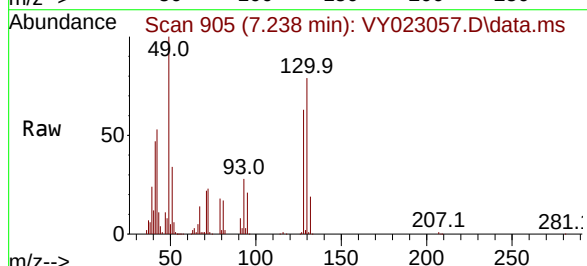
Tgt Ion: 49 Resp: 198640

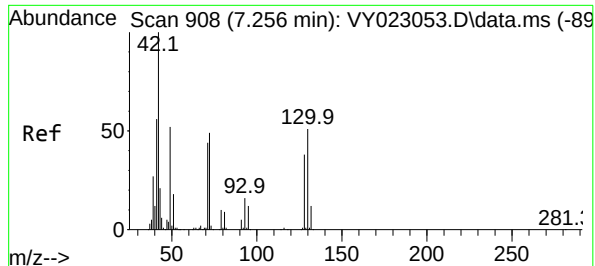
Ion Ratio Lower Upper

49 100

129 2.1 0.0 4.2

130 82.6 66.4 99.6





#29

Tetrahydrofuran

Concen: 247.420 ug/l

RT: 7.262 min Scan# 908

Delta R.T. 0.006 min

Lab File: VY023057.D

Acq: 12 Aug 2025 17:53

Instrument :

MSVOA_Y

ClientSampleId :

ICVY081225

Tgt Ion: 42 Resp: 227680

Ion Ratio Lower Upper

42 100

72 49.3 39.4 59.2

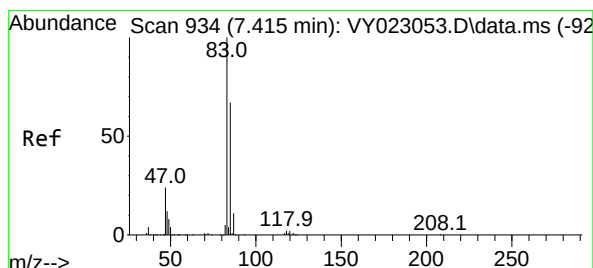
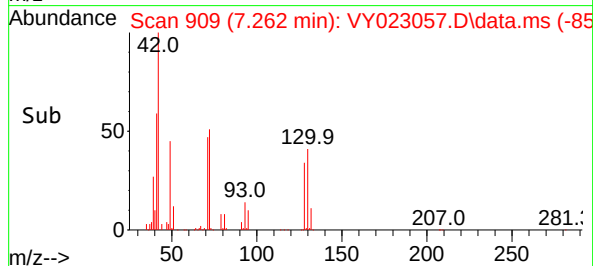
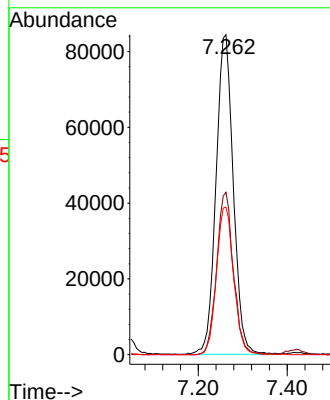
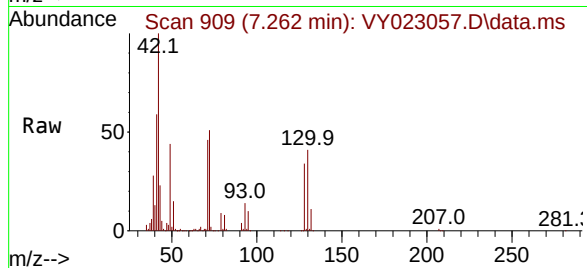
71 45.7 36.5 54.7

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025

Supervised By :Semsettin Yesilyurt 08/14/2025



#30

Chloroform

Concen: 48.450 ug/l

RT: 7.421 min Scan# 935

Delta R.T. 0.006 min

Lab File: VY023057.D

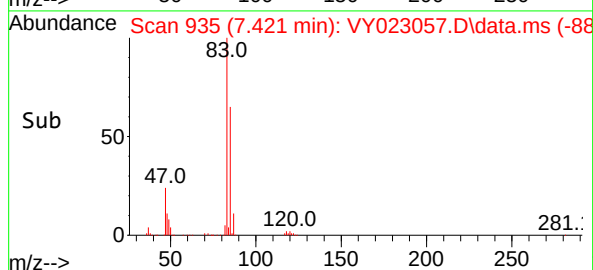
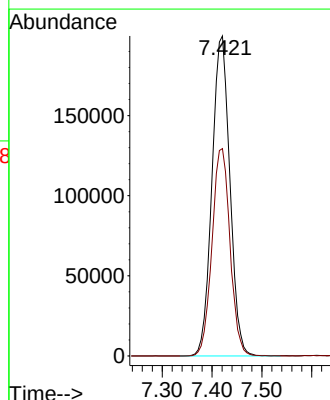
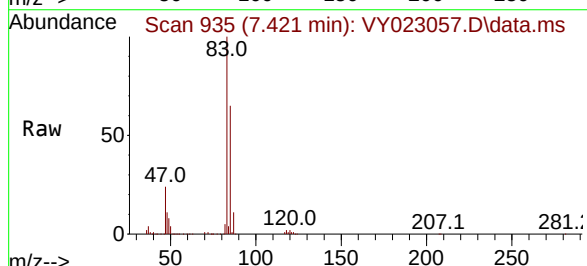
Acq: 12 Aug 2025 17:53

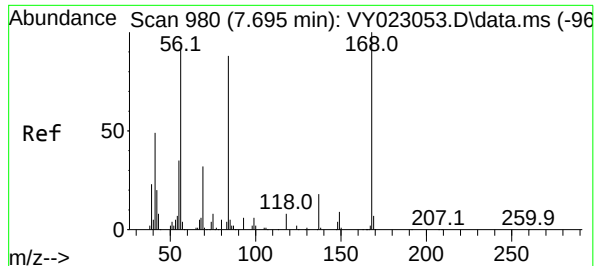
Tgt Ion: 83 Resp: 497627

Ion Ratio Lower Upper

83 100

85 64.8 53.8 80.8





#31

Cyclohexane

Concen: 46.526 ug/l

RT: 7.695 min Scan# 980

Delta R.T. 0.000 min

Lab File: VY023057.D

Acq: 12 Aug 2025 17:53

Instrument :

MSVOA_Y

ClientSampleId :

ICVY081225

Tgt Ion: 56 Resp: 436638

Ion Ratio Lower Upper

56 100

69 33.9 28.2 42.2

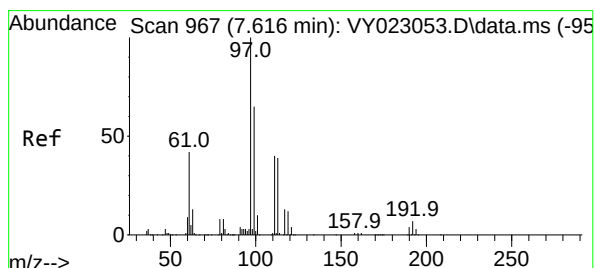
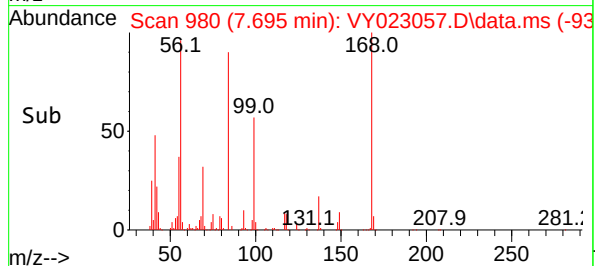
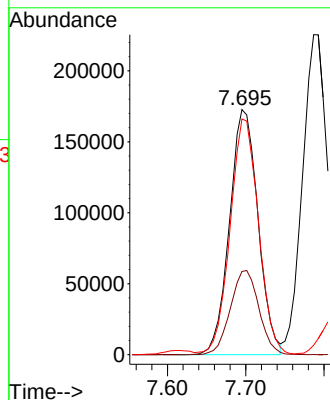
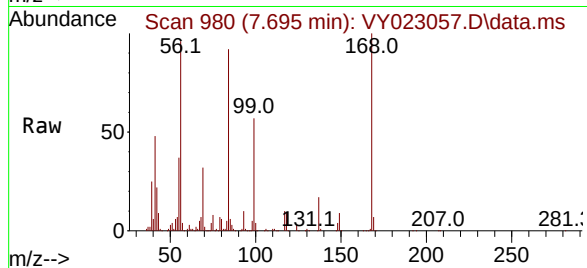
84 94.5 76.6 114.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025

Supervised By :Semsettin Yesilyurt 08/14/2025



#32

1,1,1-Trichloroethane

Concen: 48.933 ug/l

RT: 7.610 min Scan# 966

Delta R.T. -0.006 min

Lab File: VY023057.D

Acq: 12 Aug 2025 17:53

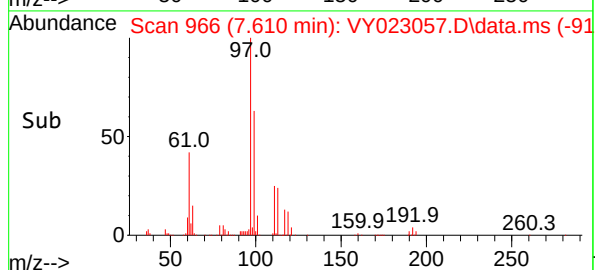
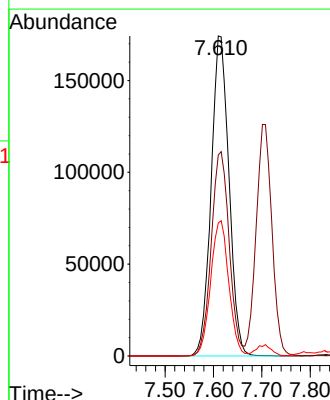
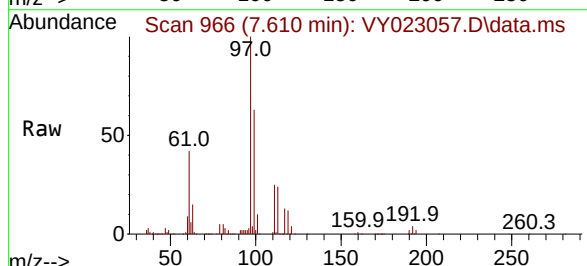
Tgt Ion: 97 Resp: 445943

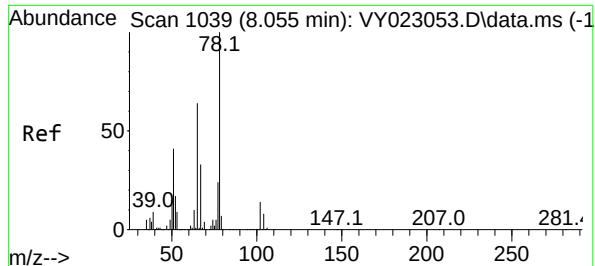
Ion Ratio Lower Upper

97 100

99 64.6 51.6 77.4

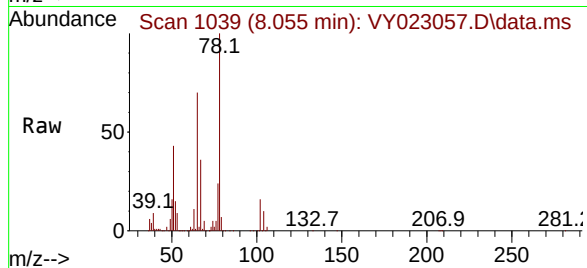
61 43.0 34.2 51.2





#33
1,2-Dichloroethane-d4
Concen: 50.038 ug/l
RT: 8.055 min Scan# 1039
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

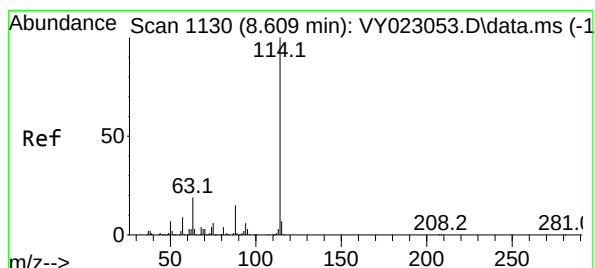
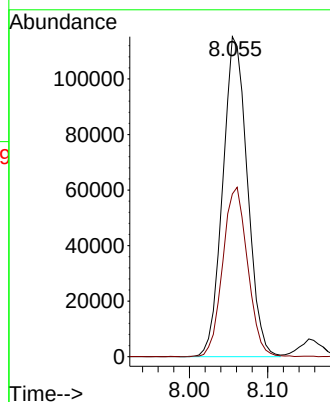
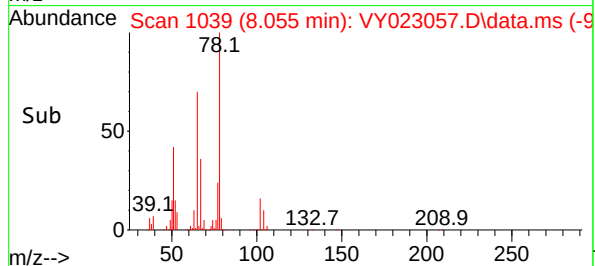
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY081225



Tgt Ion: 65 Resp: 252110
Ion Ratio Lower Upper
65 100
67 53.4 0.0 106.8

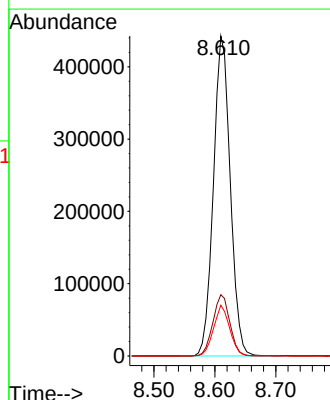
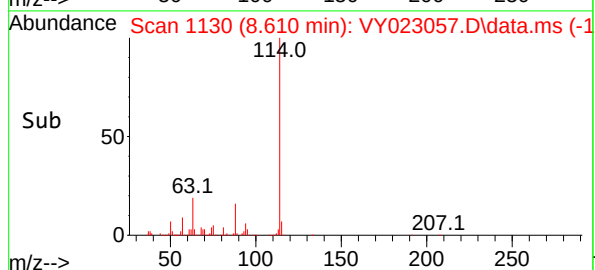
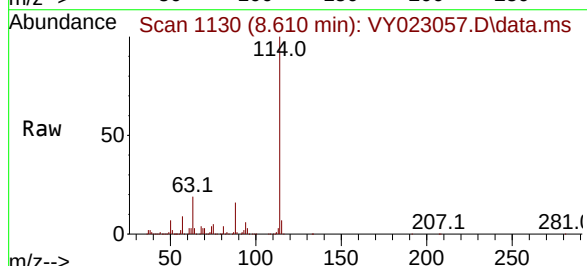
Manual Integrations
APPROVED

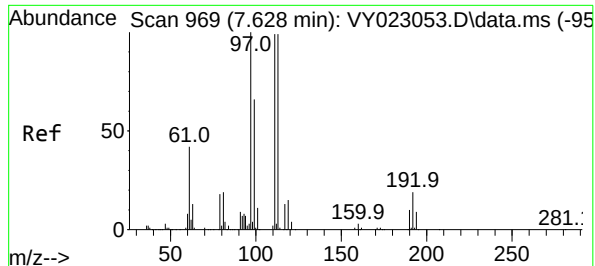
Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.610 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion:114 Resp: 849851
Ion Ratio Lower Upper
114 100
63 19.2 0.0 38.4
88 15.9 0.0 30.0





#35

Dibromofluoromethane

Concen: 50.179 ug/l

RT: 7.628 min Scan# 969

Delta R.T. 0.000 min

Lab File: VY023057.D

Acq: 12 Aug 2025 17:53

Instrument :

MSVOA_Y

ClientSampleId :

ICVY081225

Tgt Ion:113 Resp: 25517

Ion Ratio Lower Upper

113 100

111 101.3 81.1 121.7

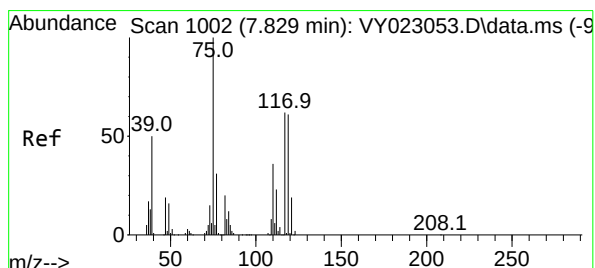
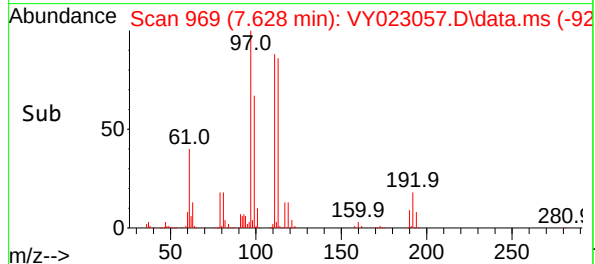
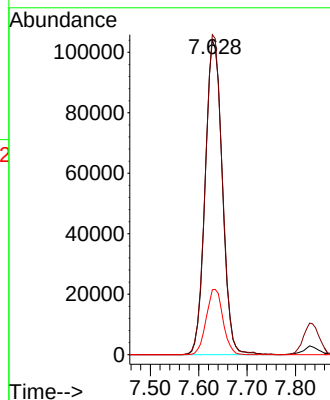
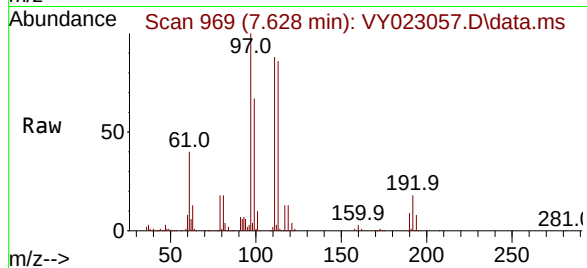
192 20.4 16.2 24.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025

Supervised By :Semsettin Yesilyurt 08/14/2025



#36

1,1-Dichloropropene

Concen: 48.193 ug/l

RT: 7.829 min Scan# 1002

Delta R.T. 0.000 min

Lab File: VY023057.D

Acq: 12 Aug 2025 17:53

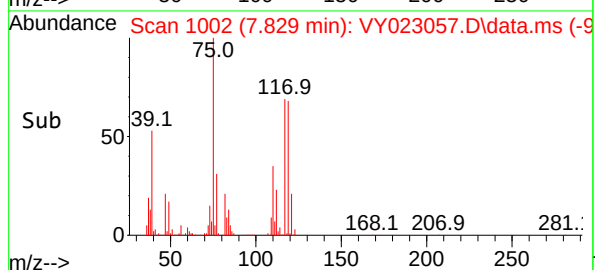
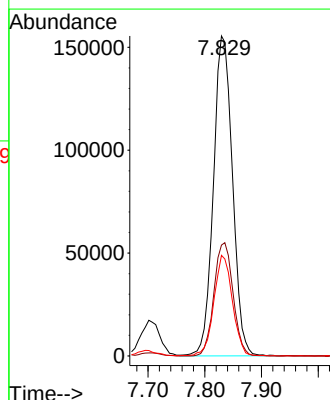
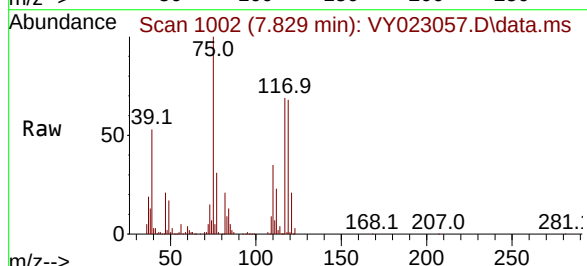
Tgt Ion: 75 Resp: 364210

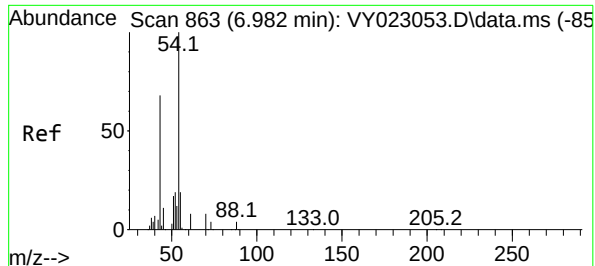
Ion Ratio Lower Upper

75 100

110 35.4 18.1 54.4

77 30.6 24.6 37.0





#37

Ethyl Acetate

Concen: 49.621 ug/l

RT: 6.982 min Scan# 80

Delta R.T. 0.000 min

Lab File: VY023057.D

Acq: 12 Aug 2025 17:53

Instrument :

MSVOA_Y

ClientSampleId :

ICVY081225

Tgt Ion: 43 Resp: 157530

Ion Ratio Lower Upper

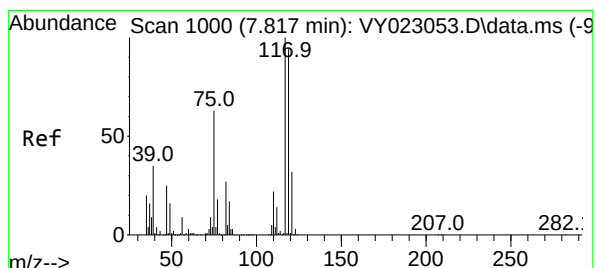
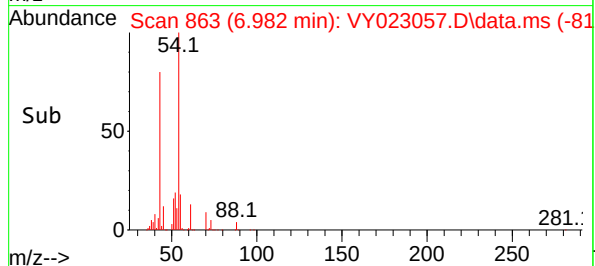
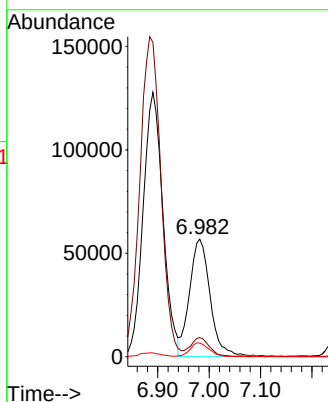
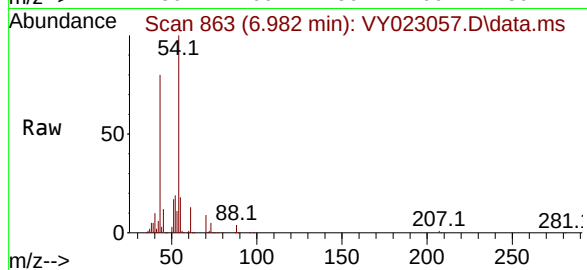
43 100

61 14.4 11.9 17.9

70 10.7 8.8 13.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025

#38

Carbon Tetrachloride

Concen: 48.030 ug/l

RT: 7.817 min Scan# 1000

Delta R.T. 0.000 min

Lab File: VY023057.D

Acq: 12 Aug 2025 17:53

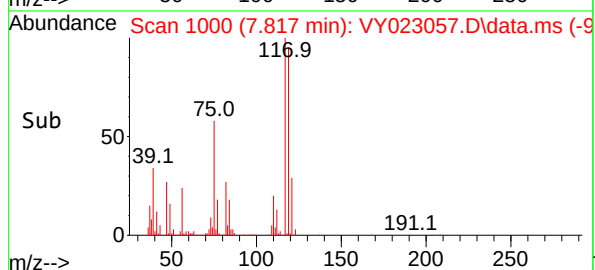
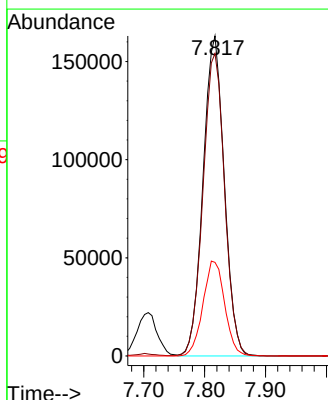
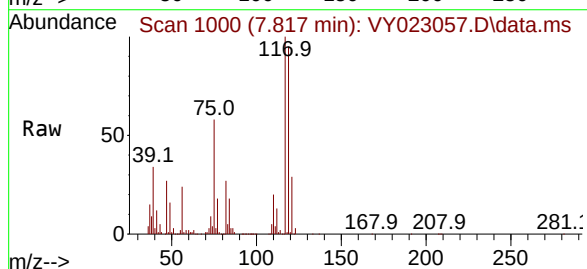
Tgt Ion:117 Resp: 394245

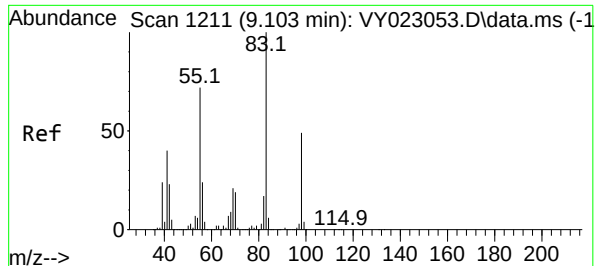
Ion Ratio Lower Upper

117 100

119 94.5 75.6 113.4

121 29.2 25.8 38.8





#39

Methylcyclohexane

Concen: 49.625 ug/l

RT: 9.103 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY023057.D

Acq: 12 Aug 2025 17:53

Instrument :

MSVOA_Y

ClientSampleId :

ICVY081225

Tgt Ion: 83 Resp: 49386

Ion Ratio Lower Upper

83 100

55 69.3 57.6 86.4

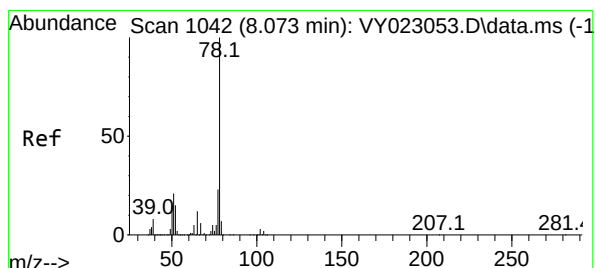
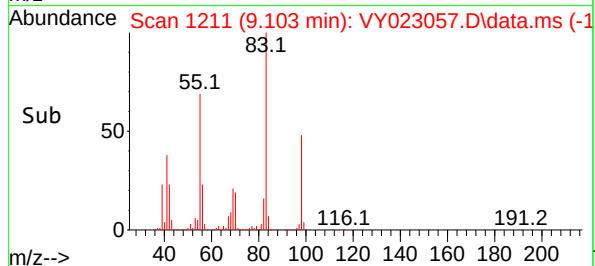
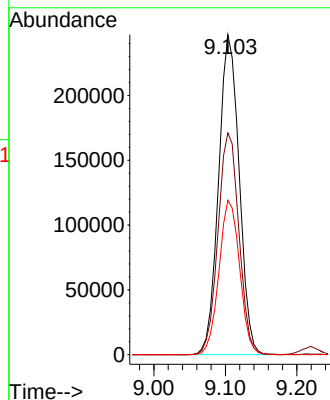
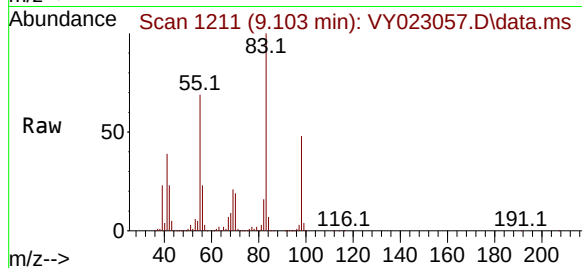
98 48.2 39.2 58.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025

Supervised By :Semsettin Yesilyurt 08/14/2025



#40

Benzene

Concen: 48.428 ug/l

RT: 8.073 min Scan# 1042

Delta R.T. 0.000 min

Lab File: VY023057.D

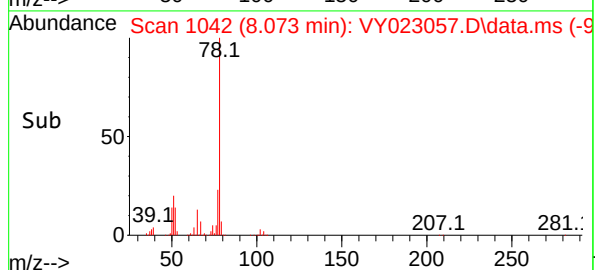
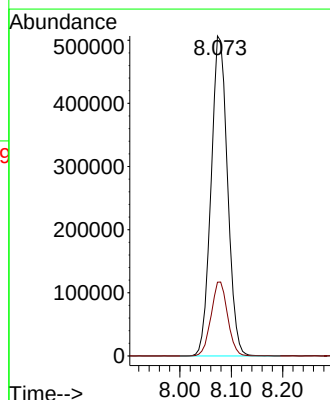
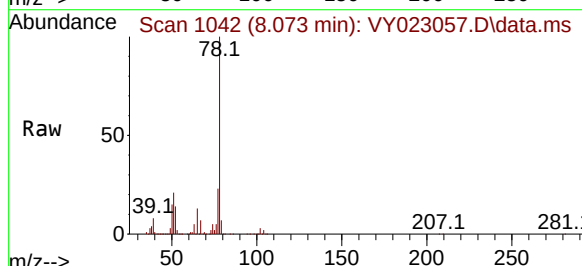
Acq: 12 Aug 2025 17:53

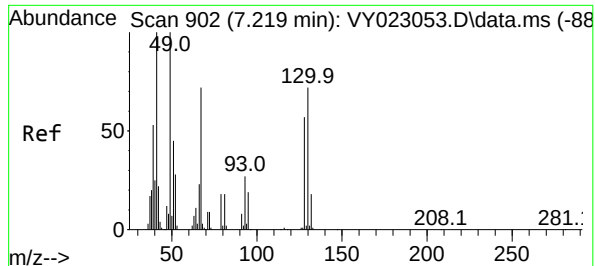
Tgt Ion: 78 Resp: 1128023

Ion Ratio Lower Upper

78 100

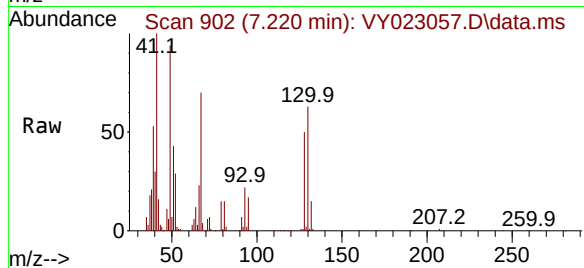
77 23.1 18.6 28.0





#41
Methacrylonitrile
Concen: 48.269 ug/l
RT: 7.220 min Scan# 902
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

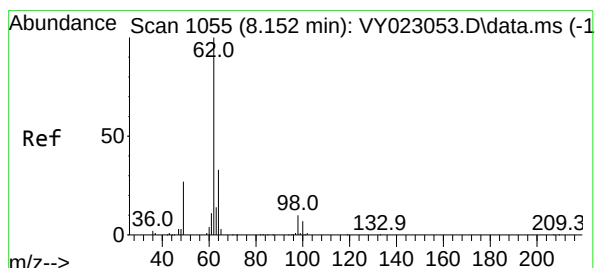
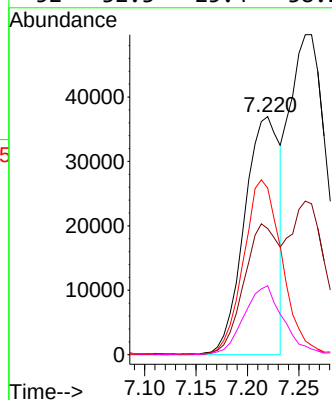
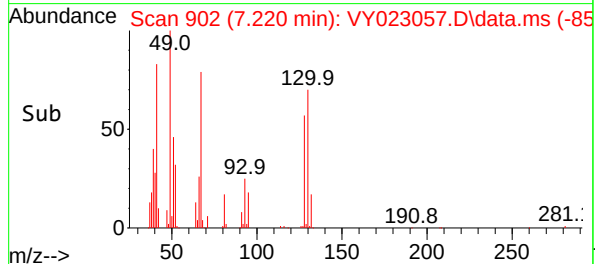
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY081225



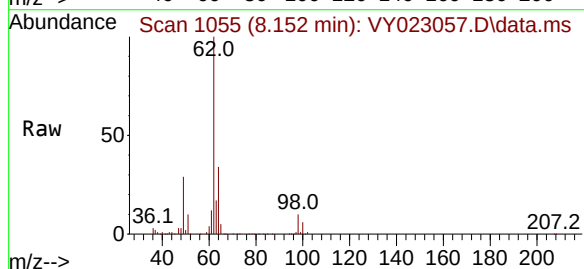
Tgt Ion: 41 Resp: 8843
Ion Ratio Lower Upper
41 100
39 53.9 43.4 65.2
67 80.6 63.6 95.4
52 32.3 25.4 38.2

Manual Integrations
APPROVED

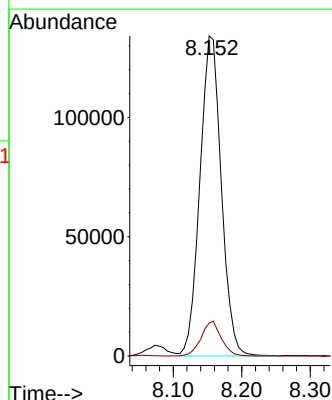
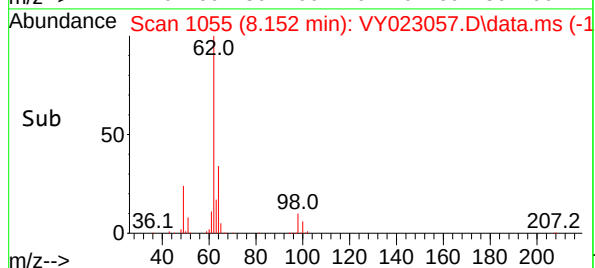
Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025

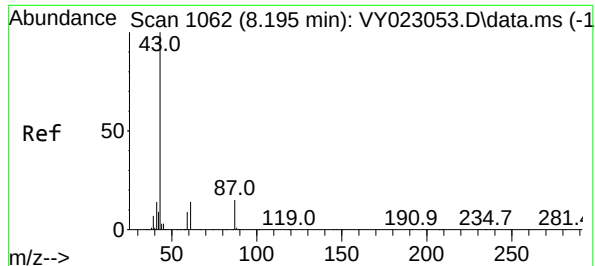


#42
1,2-Dichloroethane
Concen: 48.162 ug/l
RT: 8.152 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53



Tgt Ion: 62 Resp: 291766
Ion Ratio Lower Upper
62 100
98 10.1 0.0 20.6





#43

Isopropyl Acetate

Concen: 49.094 ug/l

RT: 8.195 min Scan# 1062

Delta R.T. 0.000 min

Lab File: VY023057.D

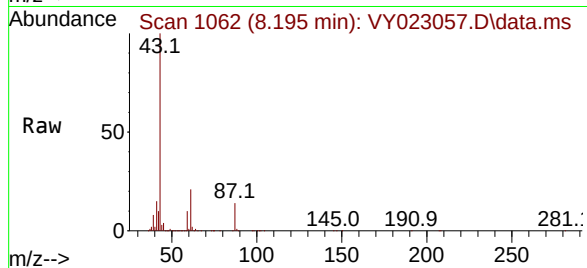
Acq: 12 Aug 2025 17:53

Instrument :

MSVOA_Y

ClientSampleId :

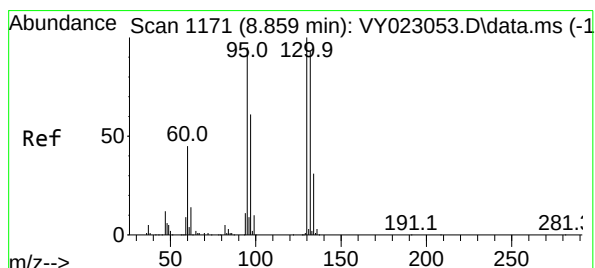
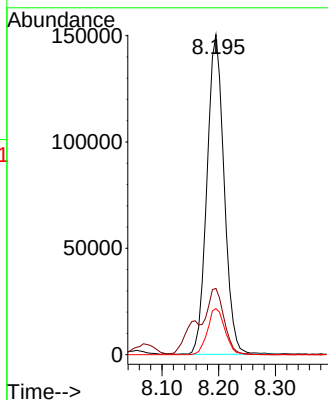
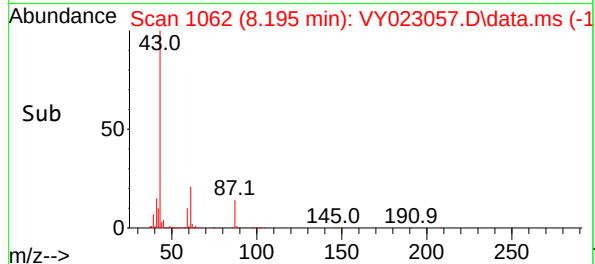
ICVY081225



Tgt Ion:	43	Resp:	31501
Ion	Ratio	Lower	Upper
43	100		
61	22.0	16.4	24.6
87	14.7	11.8	17.6

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025



#44

Trichloroethene

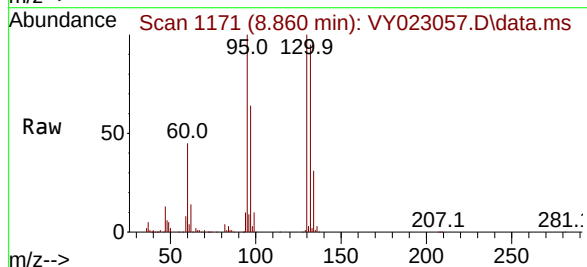
Concen: 47.803 ug/l

RT: 8.860 min Scan# 1171

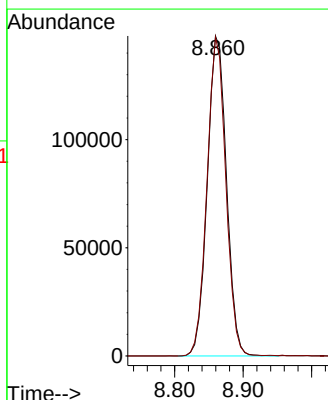
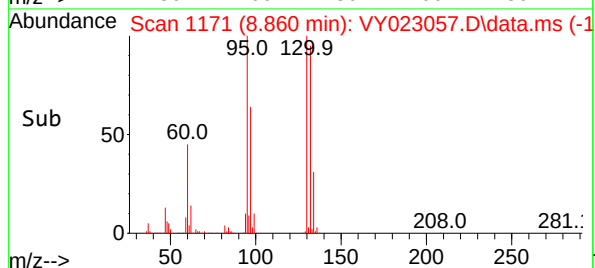
Delta R.T. 0.000 min

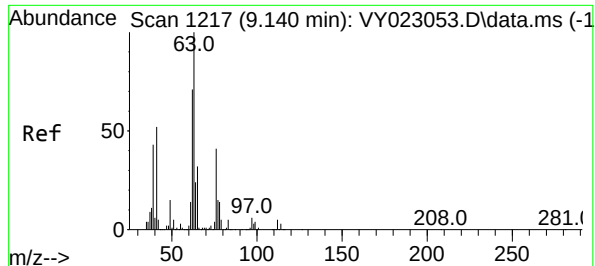
Lab File: VY023057.D

Acq: 12 Aug 2025 17:53



Tgt Ion:	130	Resp:	287745
Ion	Ratio	Lower	Upper
130	100		
95	99.7	0.0	190.2





#45

1,2-Dichloropropane

Concen: 48.961 ug/l

RT: 9.140 min Scan# 1217

Delta R.T. 0.000 min

Lab File: VY023057.D

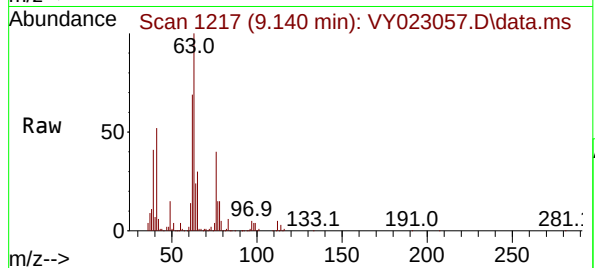
Acq: 12 Aug 2025 17:53

Instrument :

MSVOA_Y

ClientSampleId :

ICVY081225



Tgt Ion: 63 Resp: 262408

Ion Ratio Lower Upper

63 100

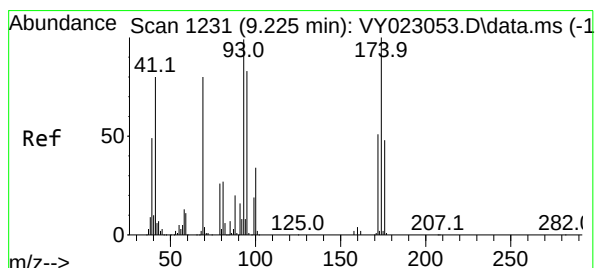
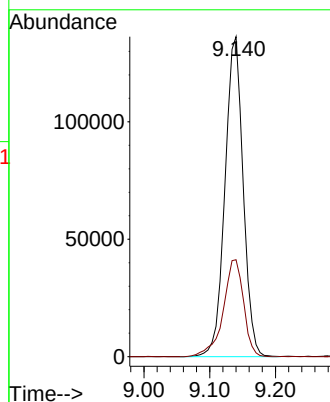
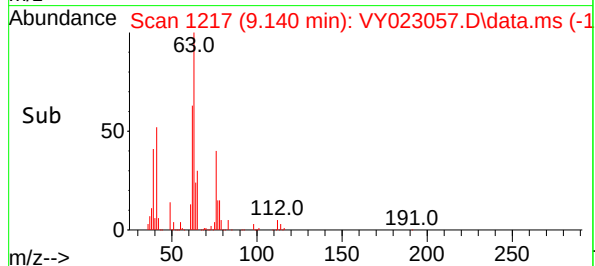
65 30.3 25.3 37.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025

Supervised By :Semsettin Yesilyurt 08/14/2025



#46

Dibromomethane

Concen: 48.679 ug/l

RT: 9.225 min Scan# 1231

Delta R.T. 0.000 min

Lab File: VY023057.D

Acq: 12 Aug 2025 17:53

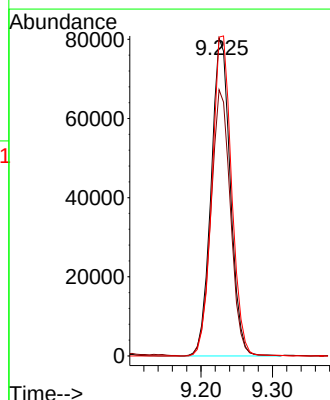
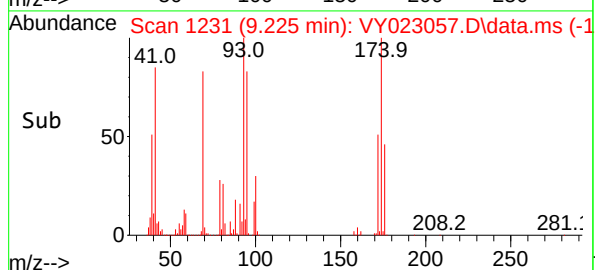
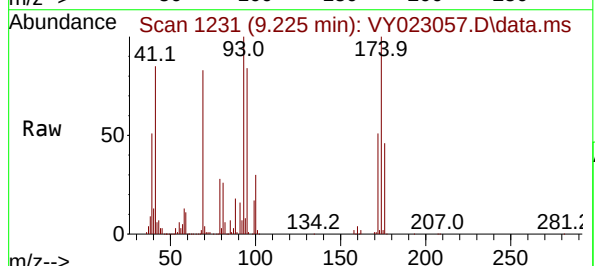
Tgt Ion: 93 Resp: 149745

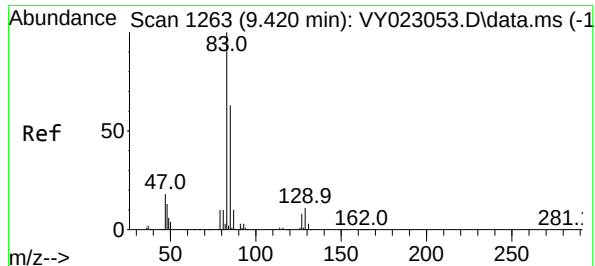
Ion Ratio Lower Upper

93 100

95 84.9 66.5 99.7

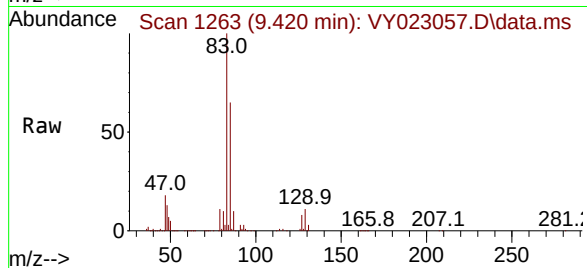
174 102.5 81.8 122.8





#47
Bromodichloromethane
Concen: 49.463 ug/l
RT: 9.420 min Scan# 1263
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

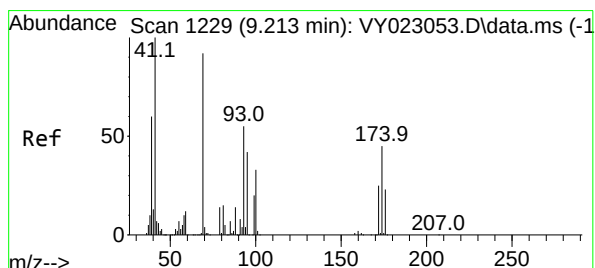
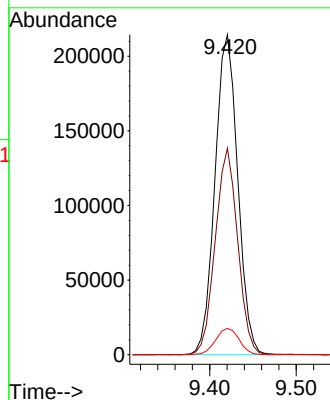
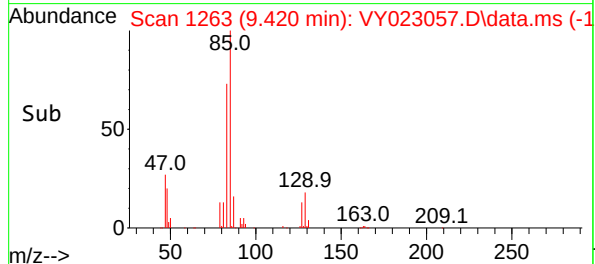
Instrument :
MSVOA_Y
ClientSampleId :
ICVY081225



Tgt Ion: 83 Resp: 39152
Ion Ratio Lower Upper
83 100
85 64.5 50.2 75.4
127 8.2 6.6 10.0

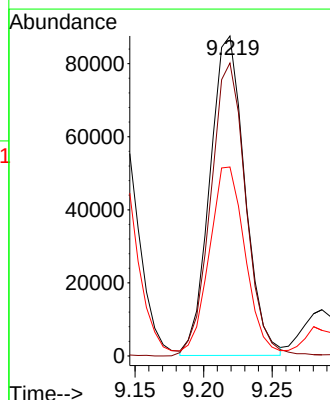
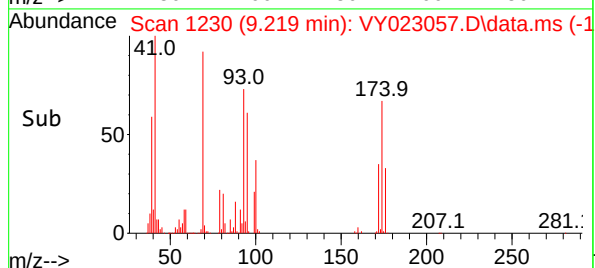
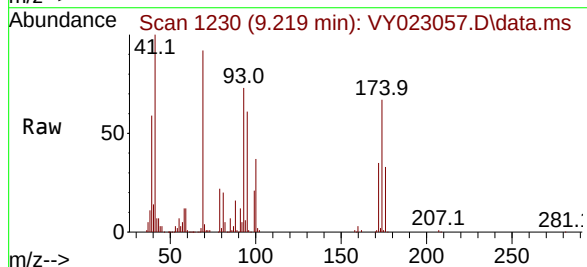
Manual Integrations
APPROVED

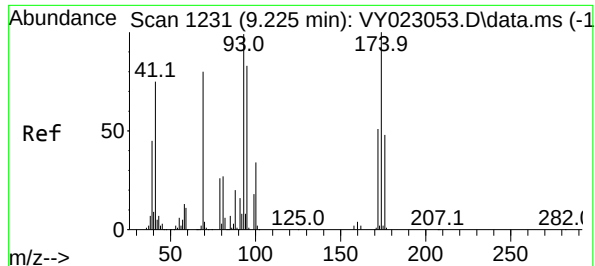
Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025



#48
Methyl methacrylate
Concen: 50.520 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.006 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion: 41 Resp: 155118
Ion Ratio Lower Upper
41 100
69 92.7 73.2 109.8
39 57.8 47.0 70.4





#49

1,4-Dioxane

Concen: 971.749 ug/l

RT: 9.225 min Scan# 1231

Delta R.T. 0.000 min

Lab File: VY023057.D

Acq: 12 Aug 2025 17:53

Instrument :

MSVOA_Y

ClientSampleId :

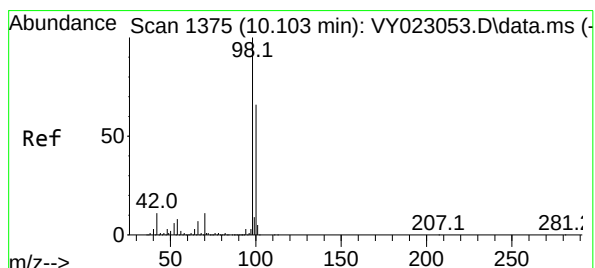
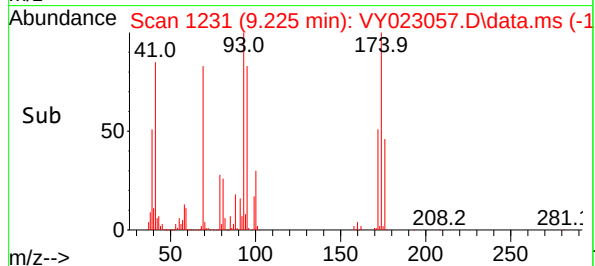
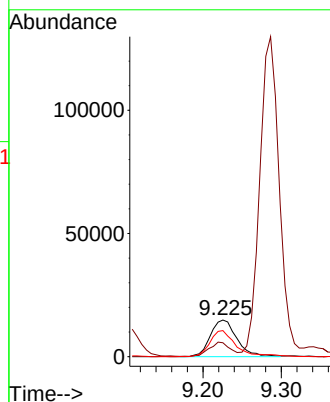
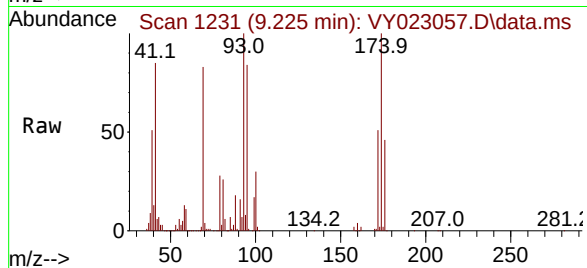
ICVY081225

Tgt Ion:	88	Resp:	35050
Ion Ratio	Lower	Upper	
88	100		
43	30.2	24.3	36.5
58	70.9	55.4	83.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025



#50

Toluene-d8

Concen: 49.306 ug/l

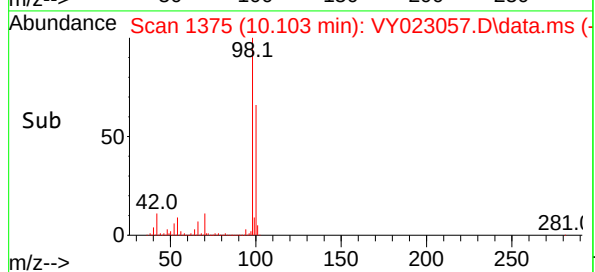
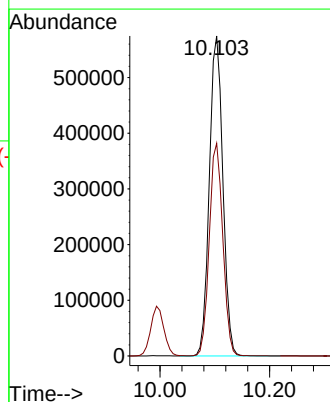
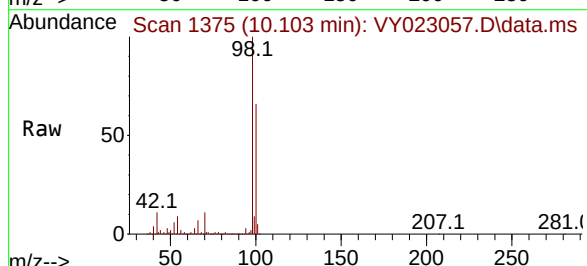
RT: 10.103 min Scan# 1375

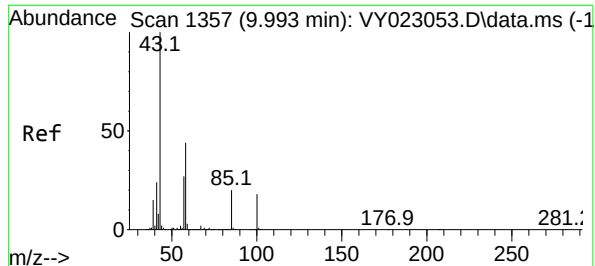
Delta R.T. 0.000 min

Lab File: VY023057.D

Acq: 12 Aug 2025 17:53

Tgt Ion:	98	Resp:	979510
Ion Ratio	Lower	Upper	
98	100		
100	66.4	52.3	78.5





#51

4-Methyl-2-Pentanone

Concen: 248.943 ug/l

RT: 9.993 min Scan# 1357

Delta R.T. 0.000 min

Lab File: VY023057.D

Acq: 12 Aug 2025 17:53

Instrument :

MSVOA_Y

ClientSampleId :

ICVY081225

Tgt Ion: 43 Resp: 823949

Ion Ratio Lower Upper

43 100

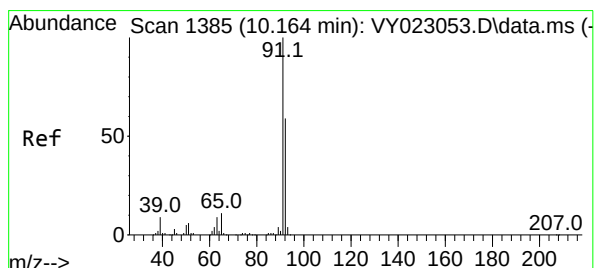
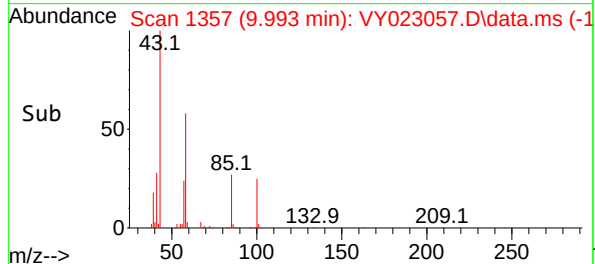
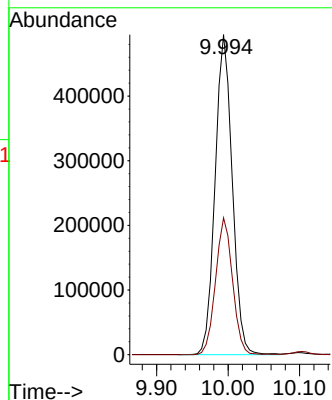
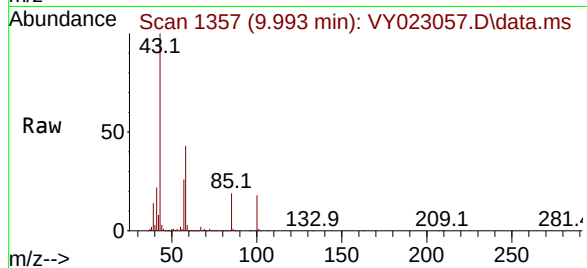
58 42.3 33.5 50.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025

Supervised By :Semsettin Yesilyurt 08/14/2025



#52

Toluene

Concen: 48.963 ug/l

RT: 10.164 min Scan# 1385

Delta R.T. 0.000 min

Lab File: VY023057.D

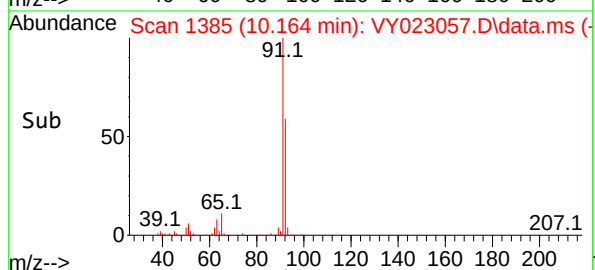
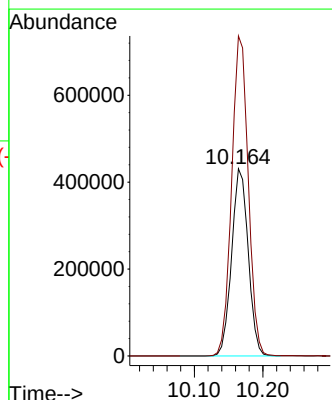
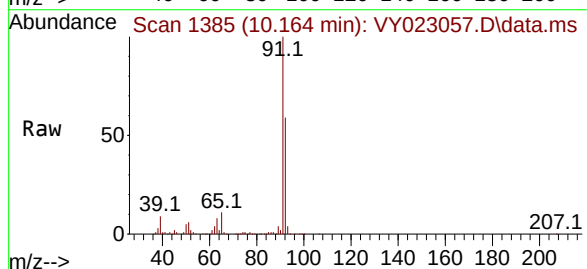
Acq: 12 Aug 2025 17:53

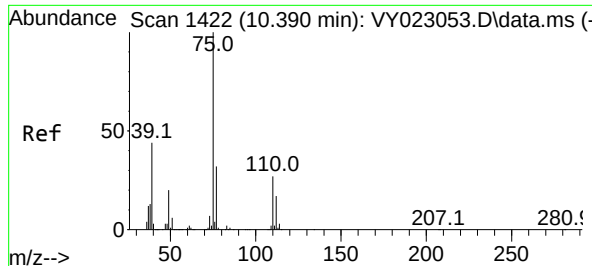
Tgt Ion: 92 Resp: 724356

Ion Ratio Lower Upper

92 100

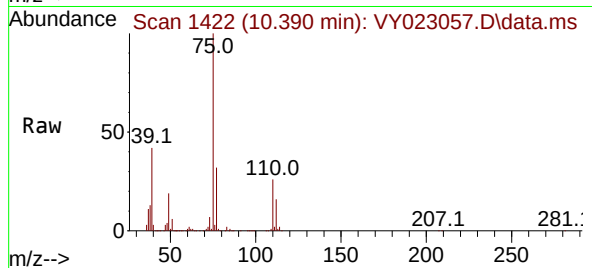
91 171.1 136.4 204.6





#53
t-1,3-Dichloropropene
Concen: 49.699 ug/l
RT: 10.390 min Scan# 1422
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

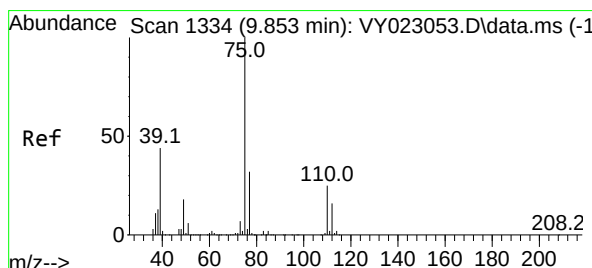
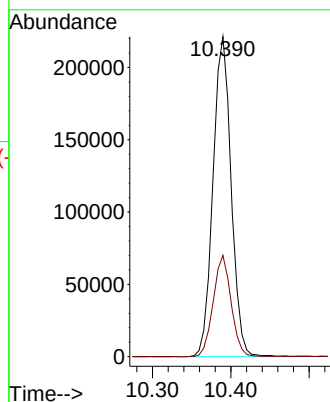
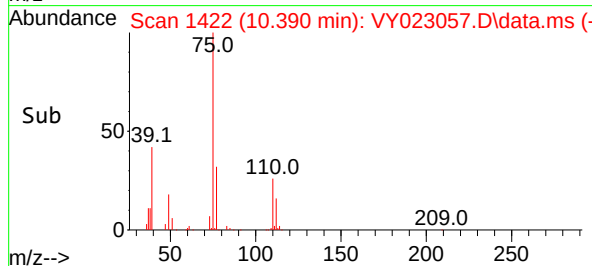
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY081225



Tgt Ion: 75 Resp: 356228
Ion Ratio Lower Upper
75 100
77 31.6 25.7 38.5

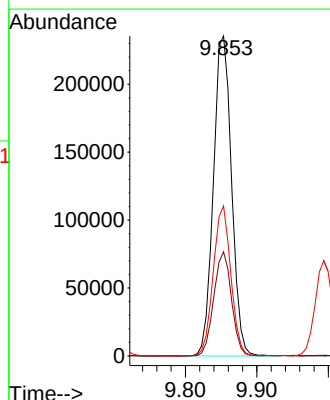
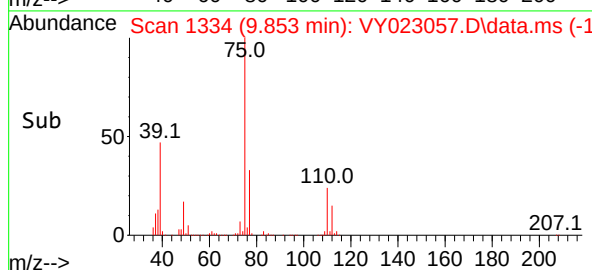
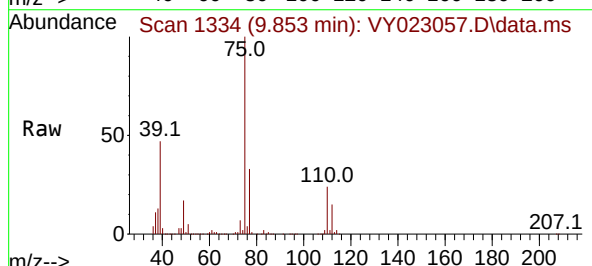
Manual Integrations
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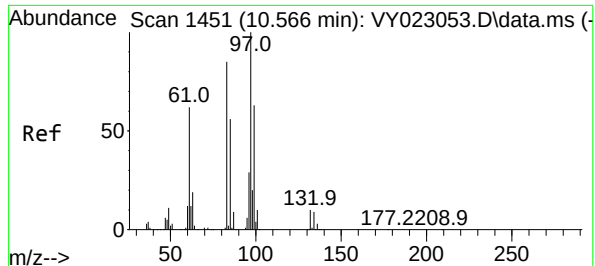
Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025



#54
cis-1,3-Dichloropropene
Concen: 48.965 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

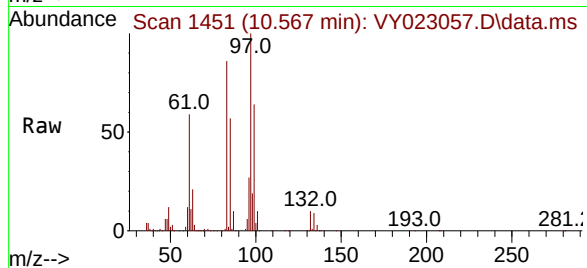
Tgt Ion: 75 Resp: 415017
Ion Ratio Lower Upper
75 100
77 32.5 25.4 38.0
39 46.8 35.6 53.4





#55
1,1,2-Trichloroethane
Concen: 48.867 ug/l
RT: 10.567 min Scan# 1451
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

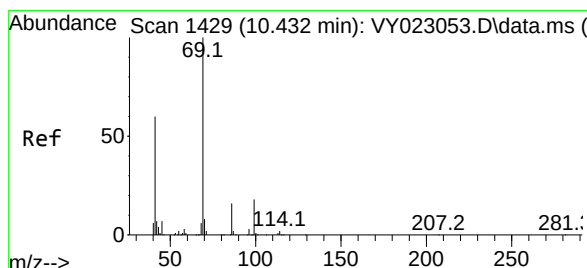
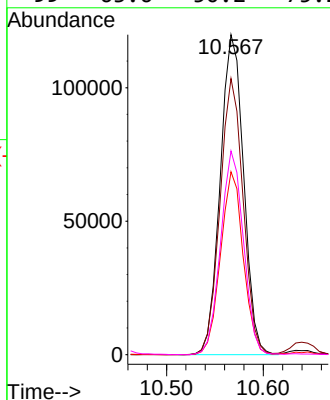
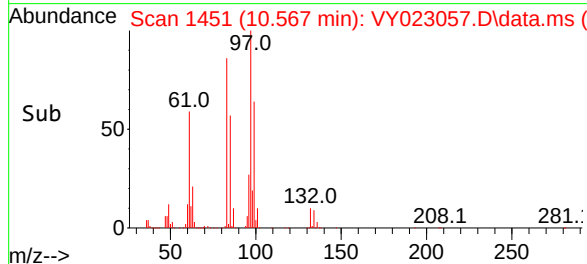
Instrument :
MSVOA_Y
ClientSampleId :
ICVY081225



Tgt Ion: 97 Resp: 201140
Ion Ratio Lower Upper
97 100
83 86.2 67.7 101.5
85 57.1 44.5 66.7
99 63.6 50.2 75.2

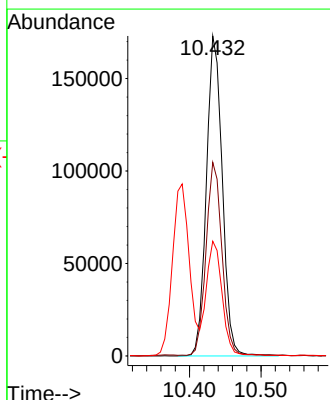
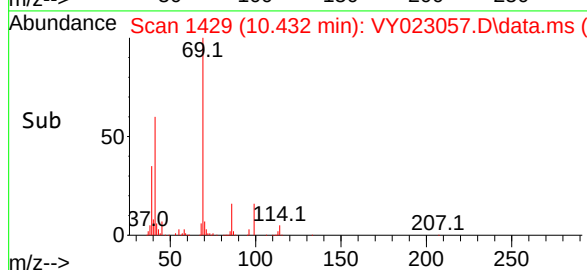
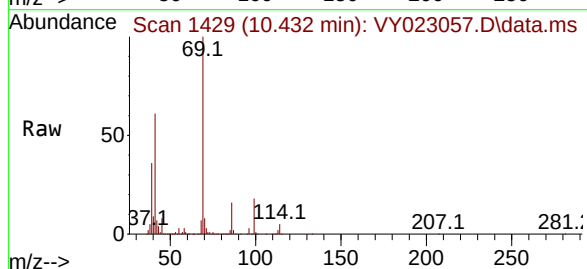
Manual Integrations
APPROVED

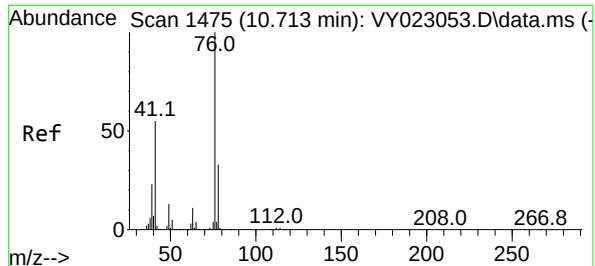
Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025



#56
Ethyl methacrylate
Concen: 50.779 ug/l
RT: 10.432 min Scan# 1429
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion: 69 Resp: 267458
Ion Ratio Lower Upper
69 100
41 60.8 48.6 72.8
39 35.0 27.0 40.4





#57

1,3-Dichloropropane

Concen: 49.228 ug/l

RT: 10.713 min Scan# 1475

Delta R.T. 0.000 min

Lab File: VY023057.D

Acq: 12 Aug 2025 17:53

Instrument :

MSVOA_Y

ClientSampleId :

ICVY081225

Tgt Ion: 76 Resp: 343649

Ion Ratio Lower Upper

76 100

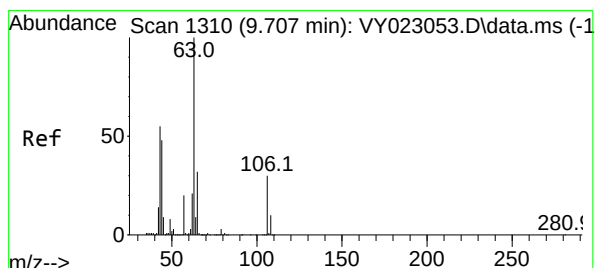
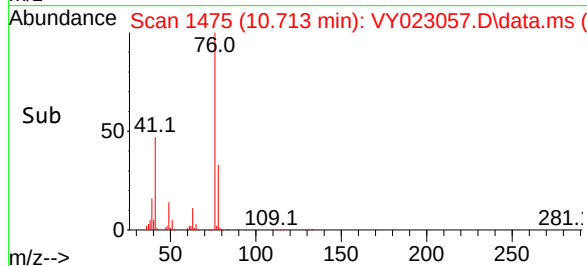
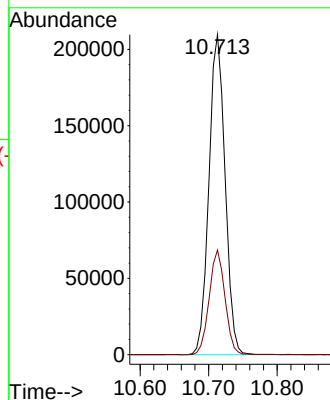
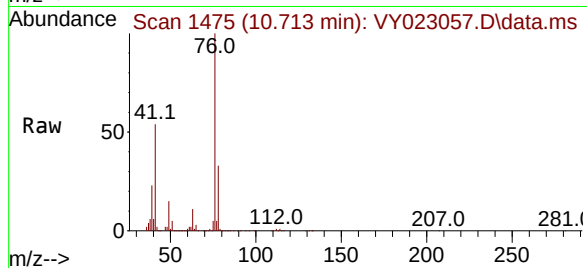
78 32.0 26.0 39.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025

Supervised By :Semsettin Yesilyurt 08/14/2025



#58

2-Chloroethyl Vinyl ether

Concen: 273.240 ug/l

RT: 9.707 min Scan# 1310

Delta R.T. 0.000 min

Lab File: VY023057.D

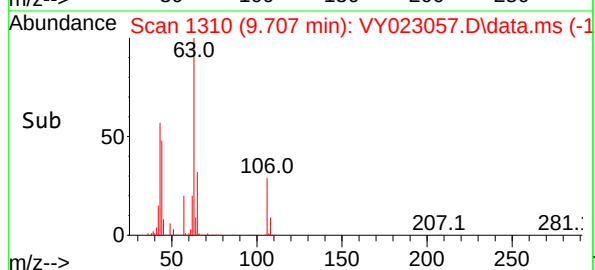
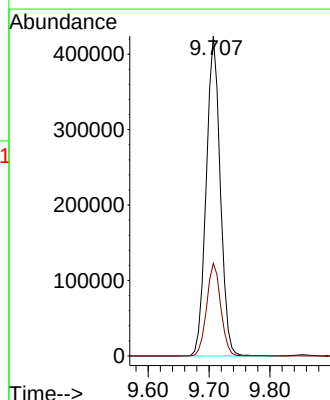
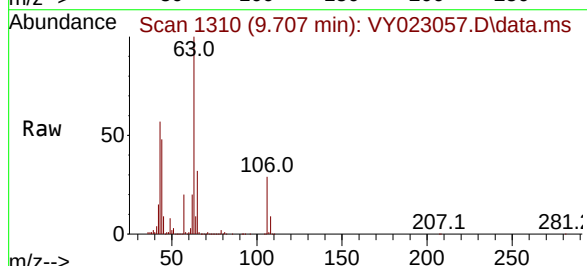
Acq: 12 Aug 2025 17:53

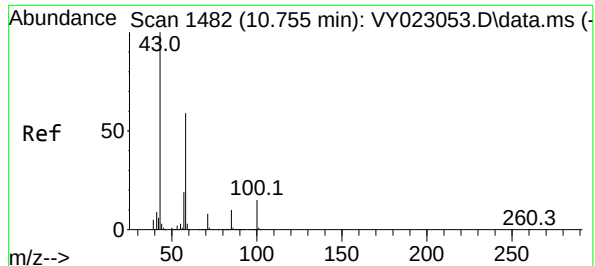
Tgt Ion: 63 Resp: 678865

Ion Ratio Lower Upper

63 100

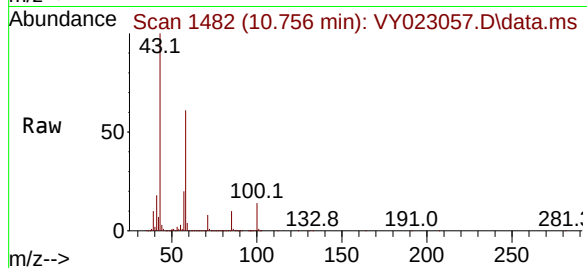
106 29.1 23.2 34.8





#59
2-Hexanone
Concen: 244.812 ug/l
RT: 10.756 min Scan# 1482
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

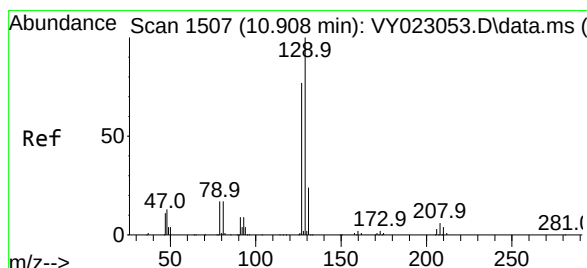
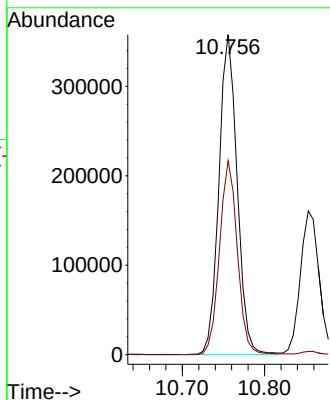
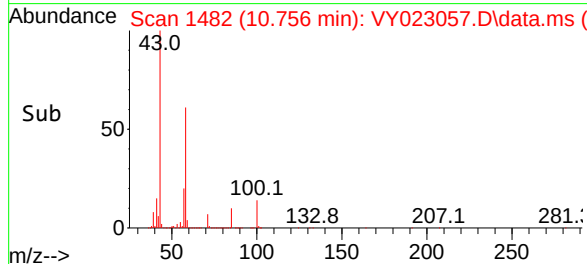
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY081225



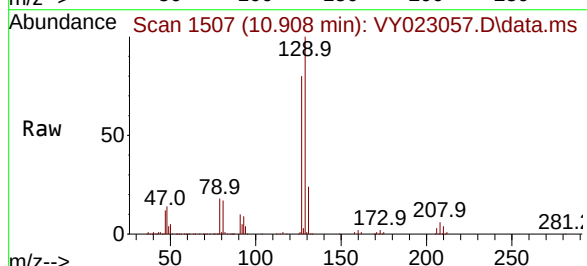
Tgt Ion: 43 Resp: 55174
Ion Ratio Lower Upper
43 100
58 59.5 29.5 88.5

Manual Integrations
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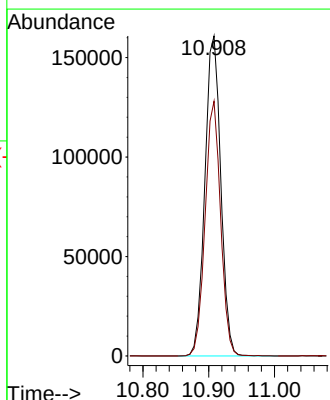
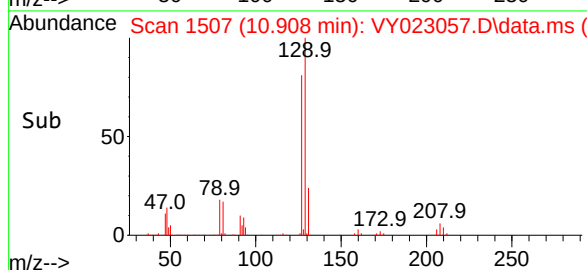
Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025

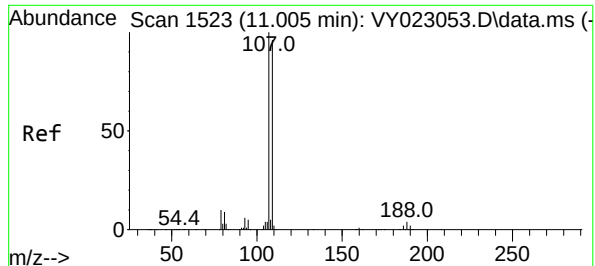


#60
Dibromochloromethane
Concen: 49.810 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53



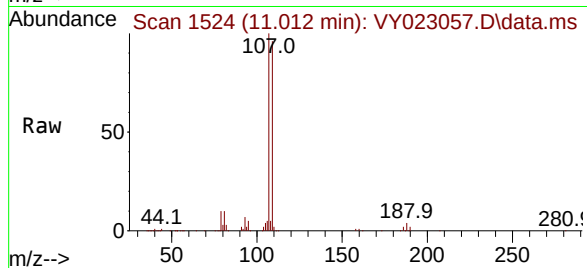
Tgt Ion:129 Resp: 270536
Ion Ratio Lower Upper
129 100
127 77.5 38.5 115.5





#61
1,2-Dibromoethane
Concen: 49.197 ug/l
RT: 11.012 min Scan# 1524
Delta R.T. 0.006 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

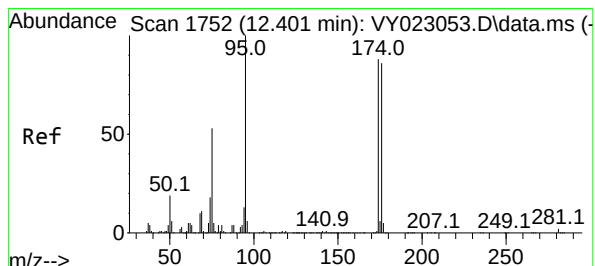
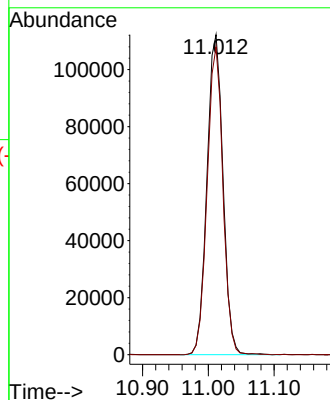
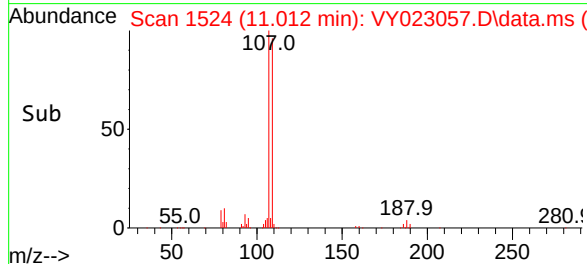
Instrument :
MSVOA_Y
ClientSampleId :
ICVY081225



Tgt Ion:107 Resp: 190334
Ion Ratio Lower Upper
107 100
109 94.5 75.6 113.4

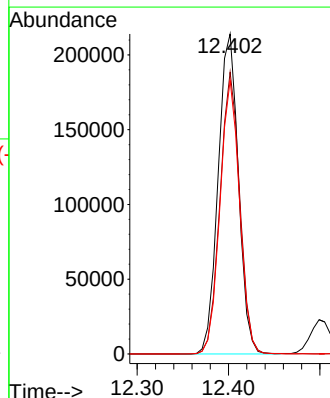
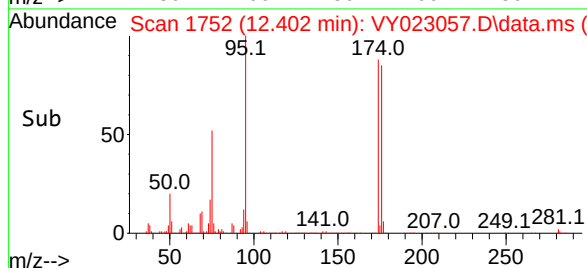
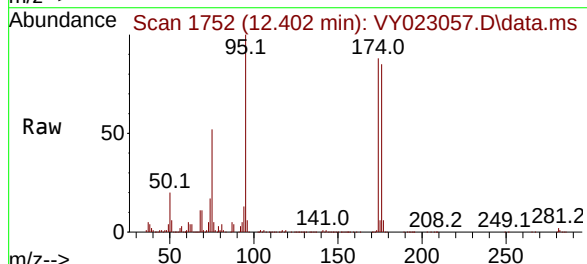
Manual Integrations
APPROVED

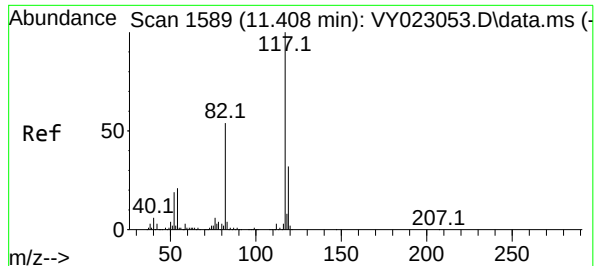
Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025



#62
4-Bromofluorobenzene
Concen: 51.500 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

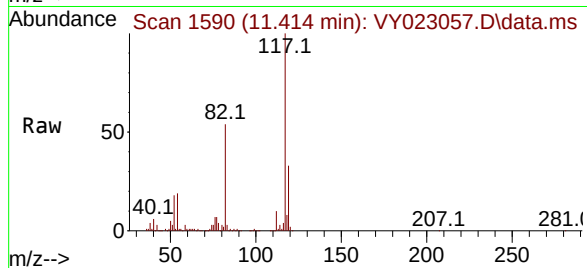
Tgt Ion: 95 Resp: 329022
Ion Ratio Lower Upper
95 100
174 86.3 0.0 171.6
176 82.9 0.0 167.6





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11590
Delta R.T. 0.006 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

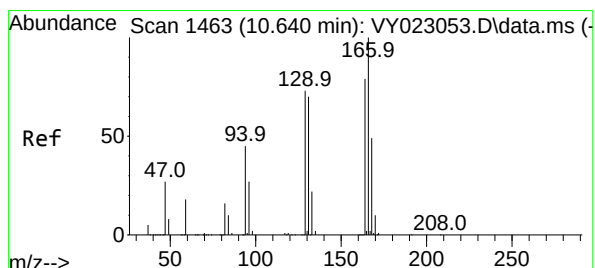
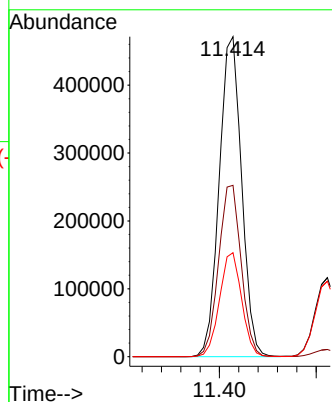
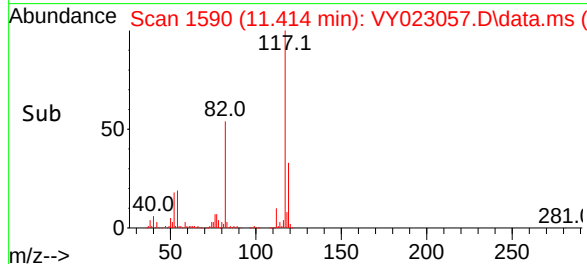
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY081225



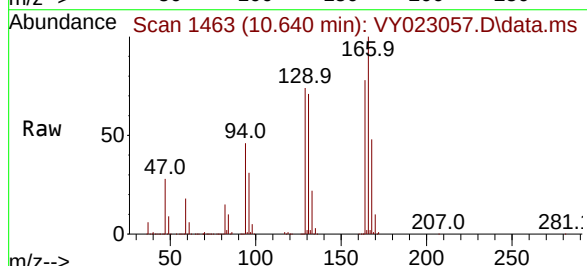
Tgt Ion:117 Resp: 756558
Ion Ratio Lower Upper
117 100
82 53.6 43.4 65.0
119 32.5 25.6 38.4

Manual Integrations
APPROVED

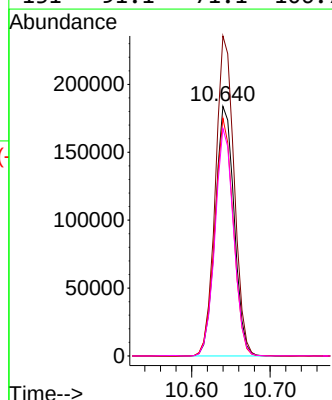
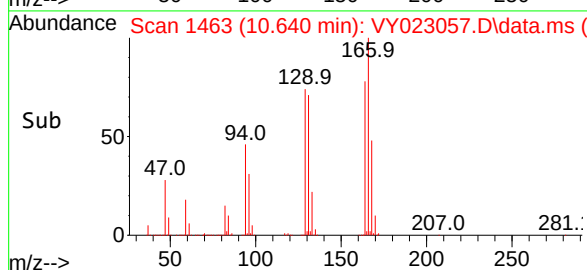
Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025

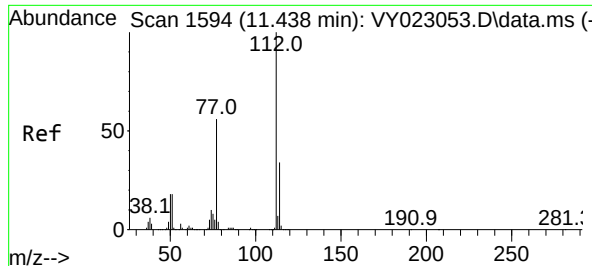


#64
Tetrachloroethene
Concen: 45.512 ug/l
RT: 10.640 min Scan# 1463
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53



Tgt Ion:164 Resp: 307456
Ion Ratio Lower Upper
164 100
166 128.2 101.1 151.7
129 95.3 74.0 111.0
131 91.1 71.1 106.7





#65

Chlorobenzene

Concen: 48.275 ug/l

RT: 11.438 min Scan# 1594

Delta R.T. 0.000 min

Lab File: VY023057.D

Acq: 12 Aug 2025 17:53

Instrument :

MSVOA_Y

ClientSampleId :

ICVY081225

Tgt Ion:112 Resp: 787799

Ion Ratio Lower Upper

112 100

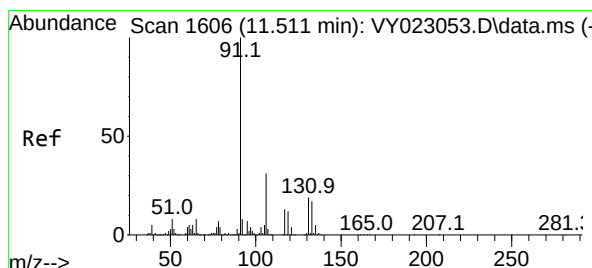
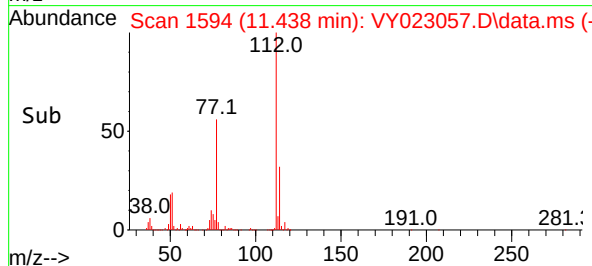
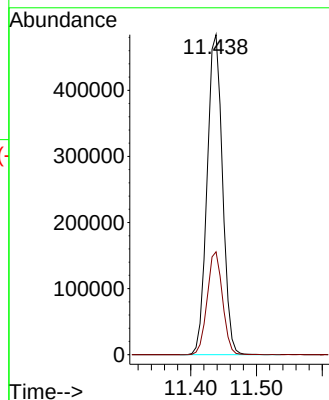
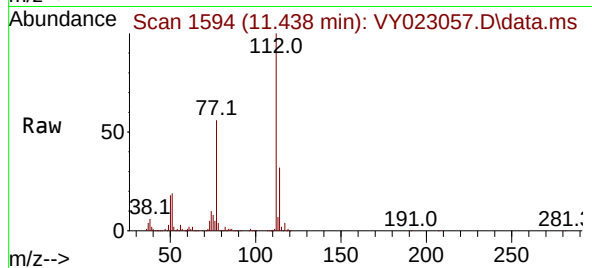
114 32.2 27.0 40.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025

Supervised By :Semsettin Yesilyurt 08/14/2025



#66

1,1,1,2-Tetrachloroethane

Concen: 48.815 ug/l

RT: 11.512 min Scan# 1606

Delta R.T. 0.000 min

Lab File: VY023057.D

Acq: 12 Aug 2025 17:53

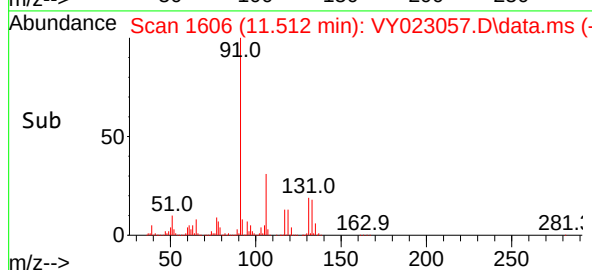
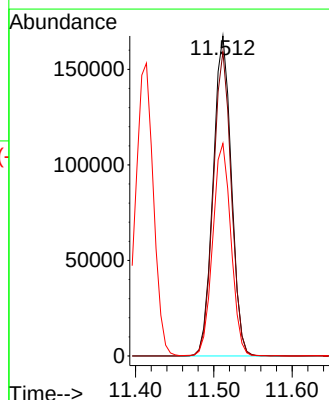
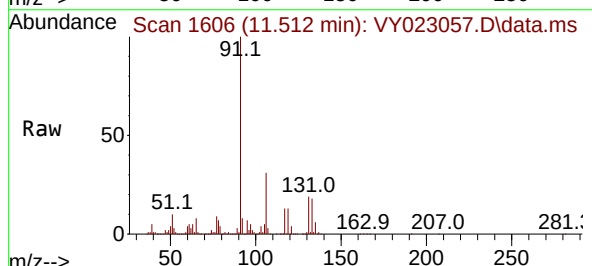
Tgt Ion:131 Resp: 270360

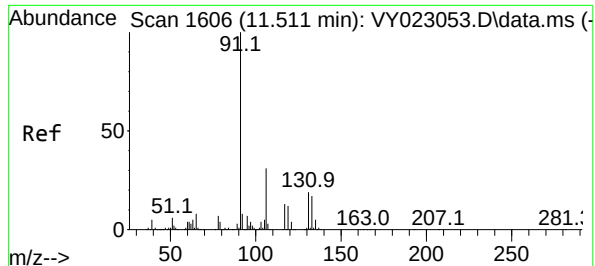
Ion Ratio Lower Upper

131 100

133 94.4 46.9 140.6

119 66.7 33.2 99.6





#67

Ethyl Benzene

Concen: 49.163 ug/l

RT: 11.512 min Scan# 1606

Delta R.T. 0.000 min

Lab File: VY023057.D

Acq: 12 Aug 2025 17:53

Instrument :

MSVOA_Y

ClientSampleId :

ICVY081225

Tgt Ion: 91 Resp: 138064

Ion Ratio Lower Upper

91 100

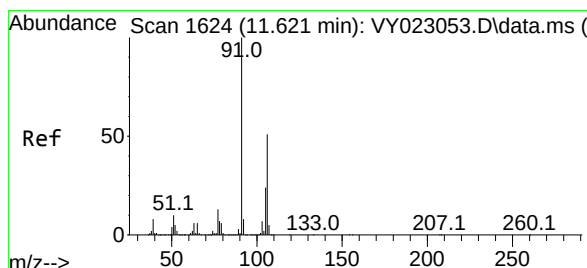
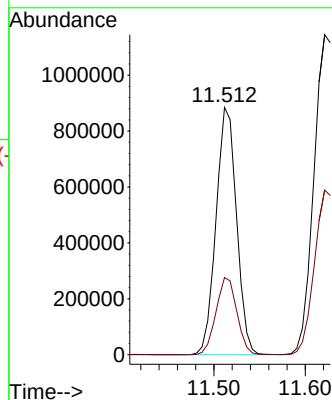
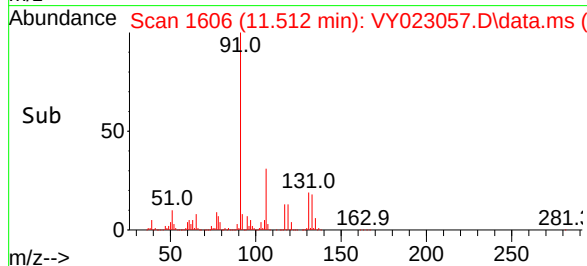
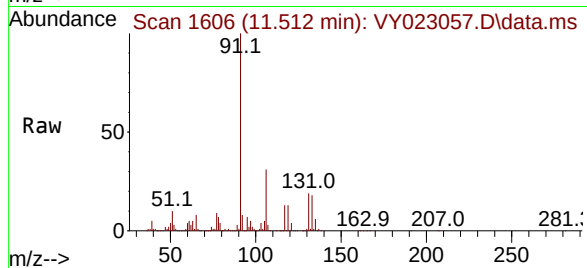
106 31.2 25.0 37.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025

Supervised By :Semsettin Yesilyurt 08/14/2025



#68

m/p-Xylenes

Concen: 98.515 ug/l

RT: 11.621 min Scan# 1624

Delta R.T. 0.000 min

Lab File: VY023057.D

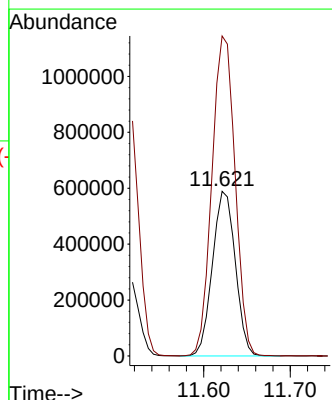
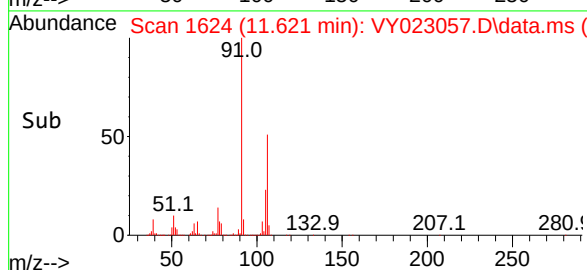
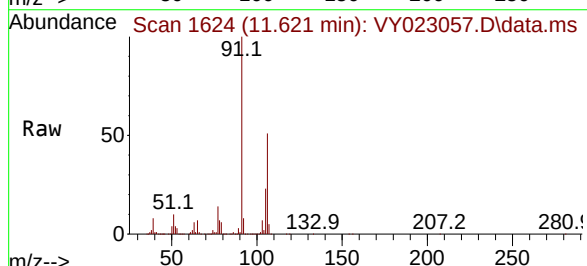
Acq: 12 Aug 2025 17:53

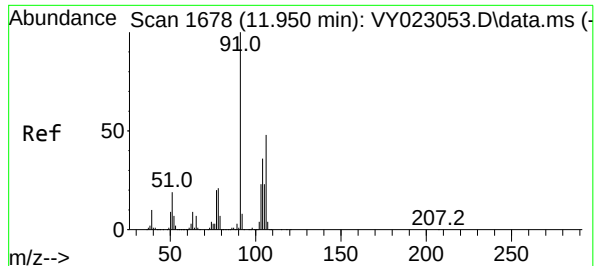
Tgt Ion:106 Resp: 1080541

Ion Ratio Lower Upper

106 100

91 197.0 158.6 238.0





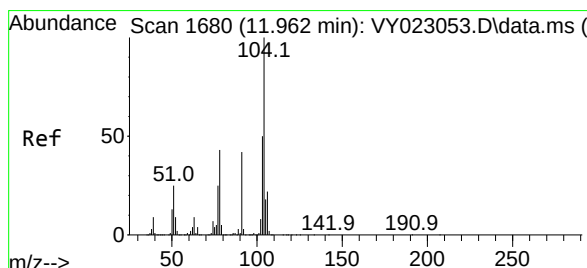
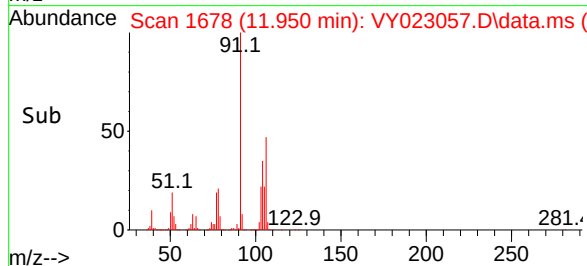
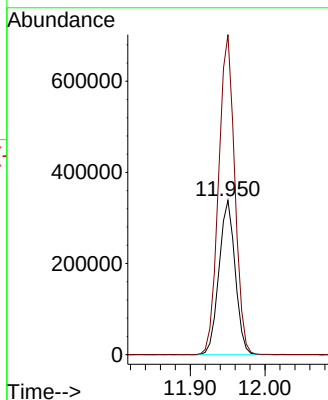
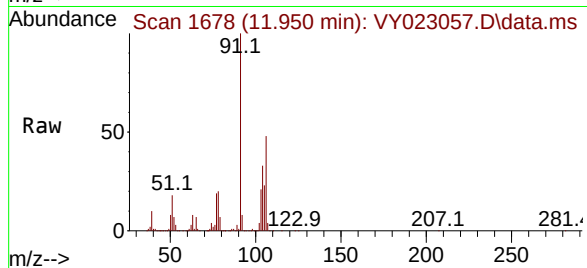
#69
o-Xylene
Concen: 49.645 ug/l
RT: 11.950 min Scan# 1678
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Instrument :
MSVOA_Y
ClientSampleId :
ICVY081225

Tgt Ion:106 Resp: 50999
Ion Ratio Lower Upper
106 100
91 207.4 103.2 309.4

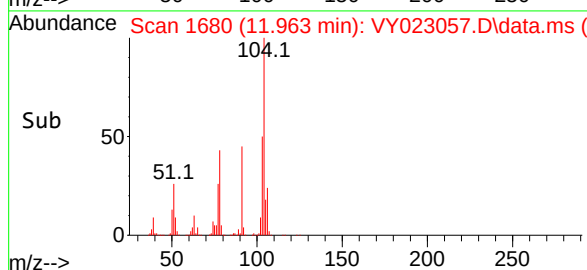
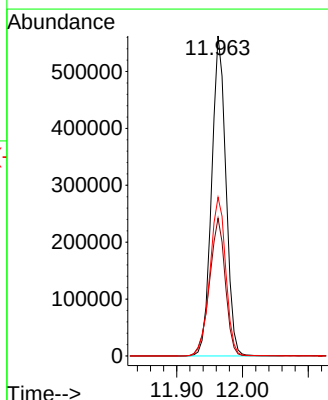
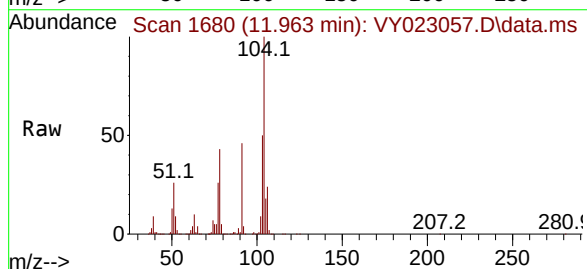
Manual Integrations
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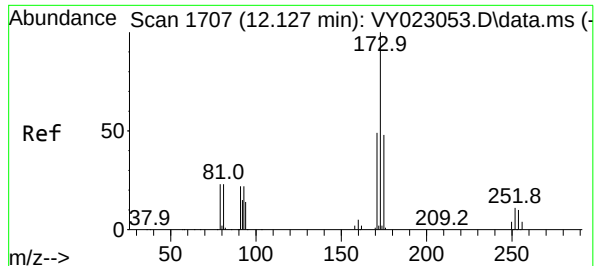
Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025



#70
Styrene
Concen: 50.733 ug/l
RT: 11.963 min Scan# 1680
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

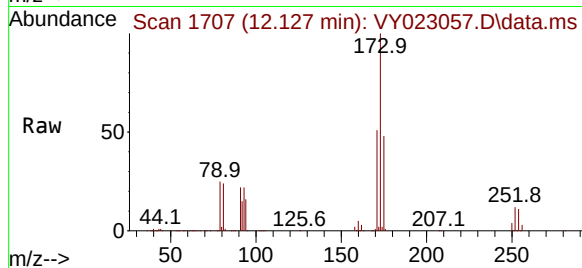
Tgt Ion:104 Resp: 852310
Ion Ratio Lower Upper
104 100
78 47.3 38.5 57.7
103 54.6 43.7 65.5





#71
Bromoform
Concen: 48.525 ug/l
RT: 12.127 min Scan# 1707
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

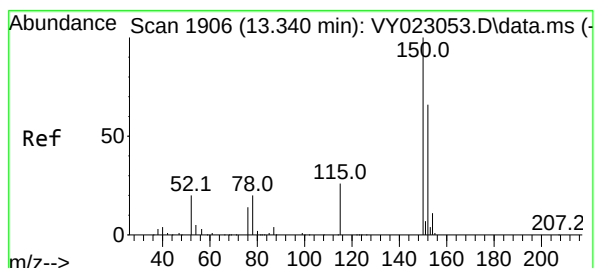
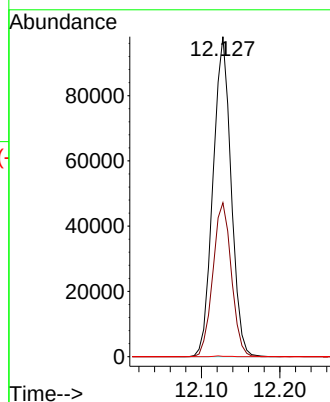
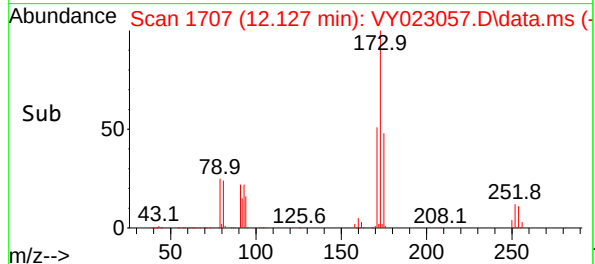
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY081225



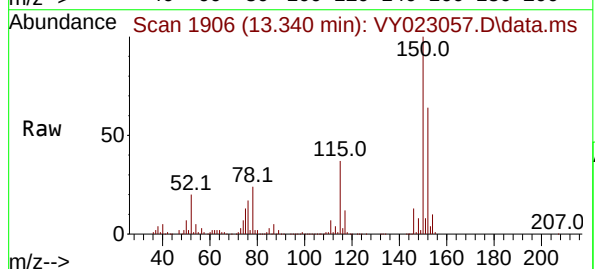
Tgt Ion:173 Resp: 157073
Ion Ratio Lower Upper
173 100
175 49.1 23.9 71.7
254 0.2 0.1 0.1

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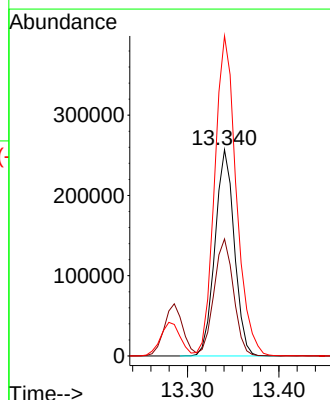
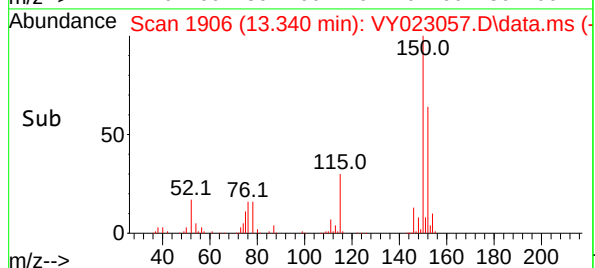
Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025

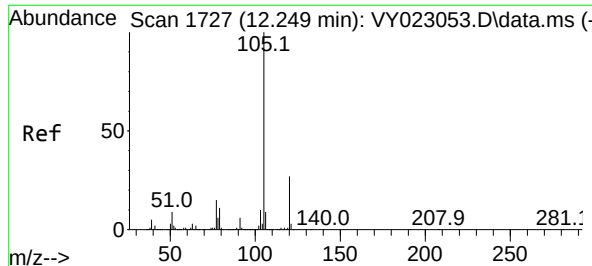


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.340 min Scan# 1906
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53



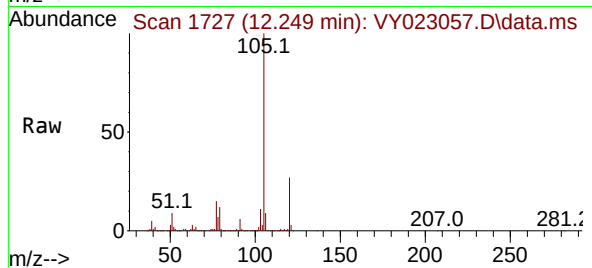
Tgt Ion:152 Resp: 376990
Ion Ratio Lower Upper
152 100
115 57.5 28.2 84.6
150 174.1 0.0 348.0





#73
Isopropylbenzene
Concen: 49.876 ug/l
RT: 12.249 min Scan# 1727
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

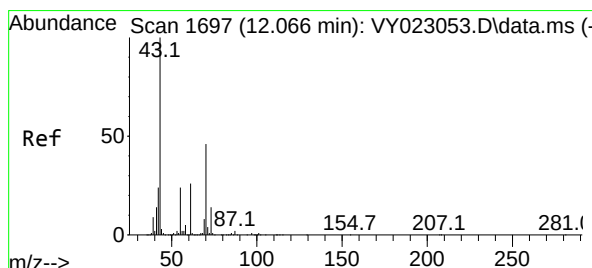
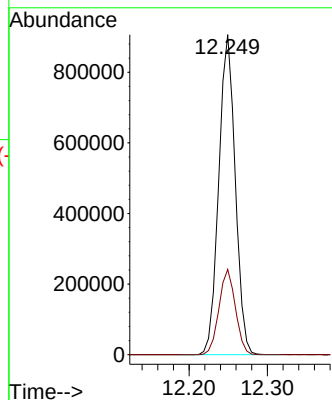
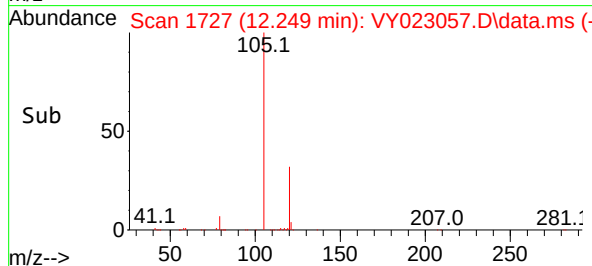
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY081225



Tgt Ion:105 Resp: 1327070
Ion Ratio Lower Upper
105 100
120 26.6 13.4 40.2

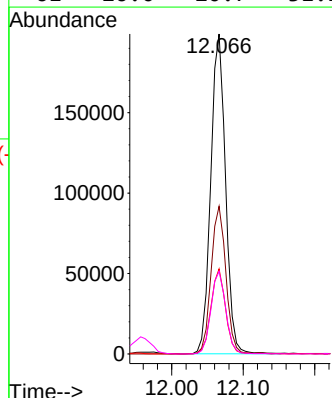
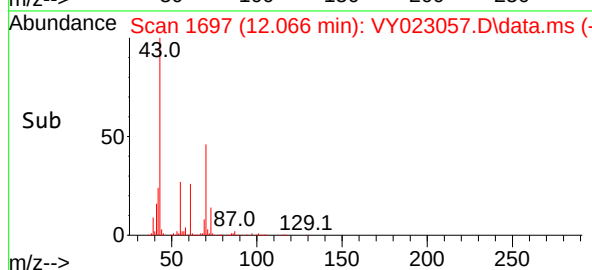
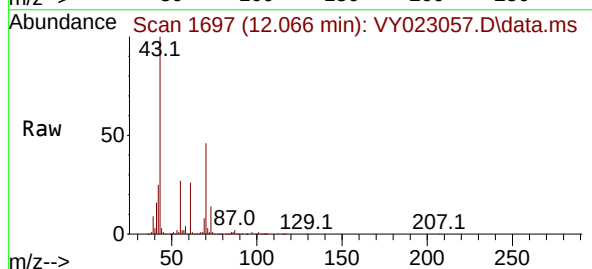
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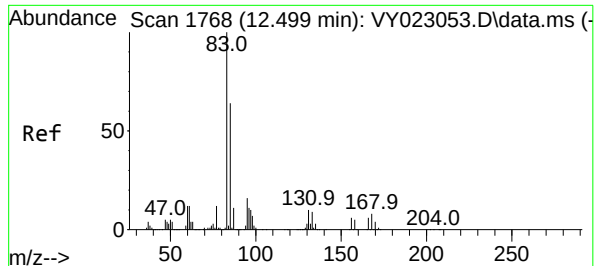
Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025



#74
N-ethyl acetate
Concen: 50.529 ug/l
RT: 12.066 min Scan# 1697
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion: 43 Resp: 285118
Ion Ratio Lower Upper
43 100
70 46.5 37.5 56.3
55 26.2 20.7 31.1
61 26.0 20.7 31.1





#75

1,1,2,2-Tetrachloroethane

Concen: 49.350 ug/l

RT: 12.499 min Scan# 1768

Delta R.T. 0.000 min

Lab File: VY023057.D

Acq: 12 Aug 2025 17:53

Instrument :

MSVOA_Y

ClientSampleId :

ICVVY081225

Tgt Ion: 83 Resp: 224200

Ion Ratio Lower Upper

83 100

131 10.3 5.1 15.3

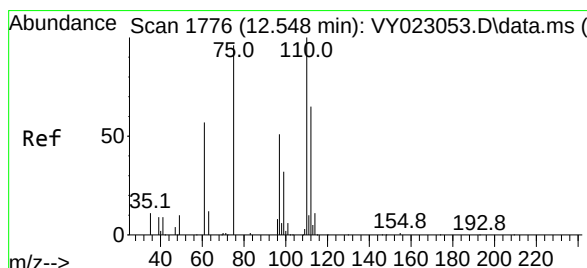
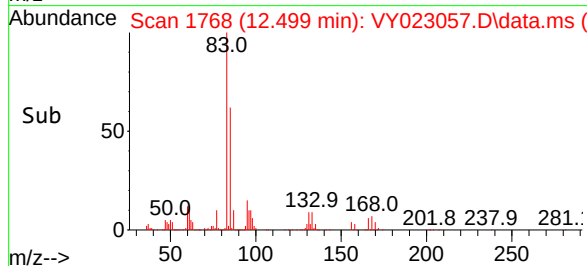
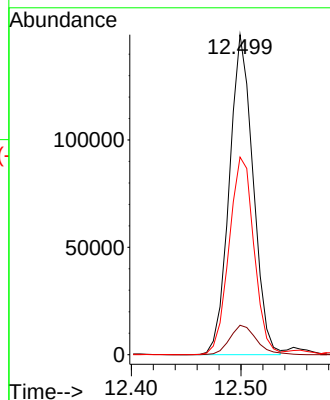
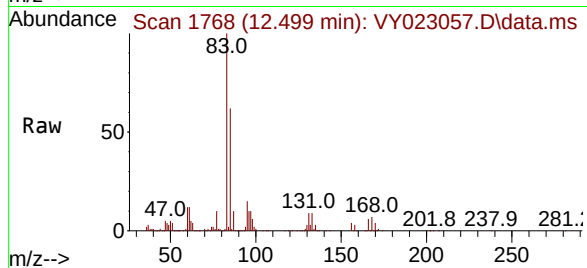
85 65.0 31.8 95.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025

Supervised By :Semsettin Yesilyurt 08/14/2025



#76

1,2,3-Trichloropropane

Concen: 46.136 ug/l m

RT: 12.548 min Scan# 1776

Delta R.T. 0.000 min

Lab File: VY023057.D

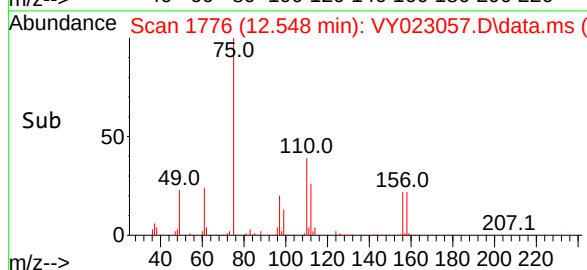
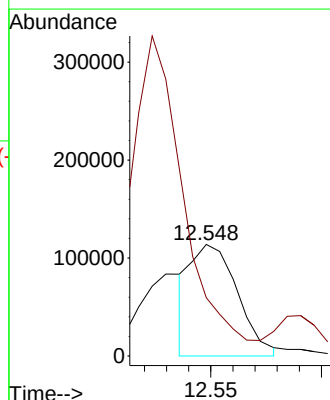
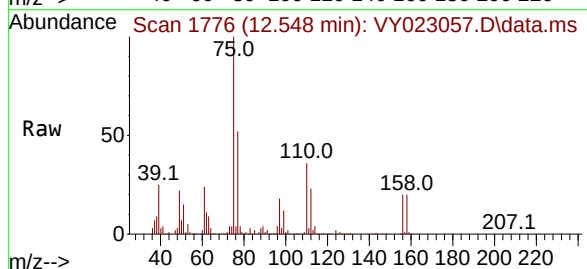
Acq: 12 Aug 2025 17:53

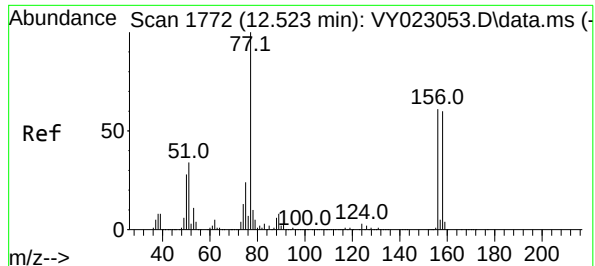
Tgt Ion: 75 Resp: 167859

Ion Ratio Lower Upper

75 100

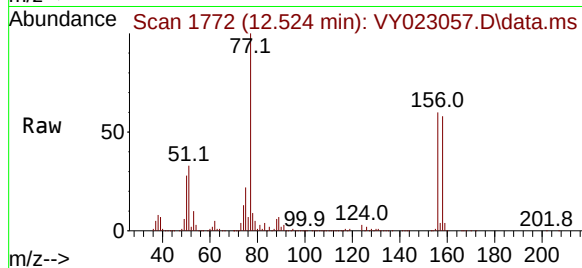
77 0.0 0.0 0.0





#77
Bromobenzene
Concen: 49.004 ug/l
RT: 12.524 min Scan# 1772
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

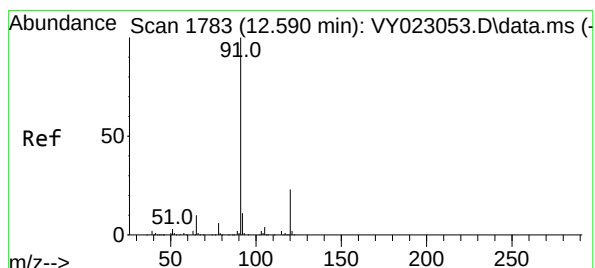
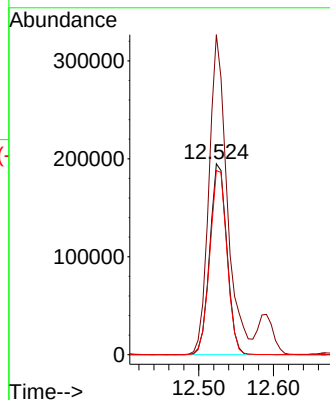
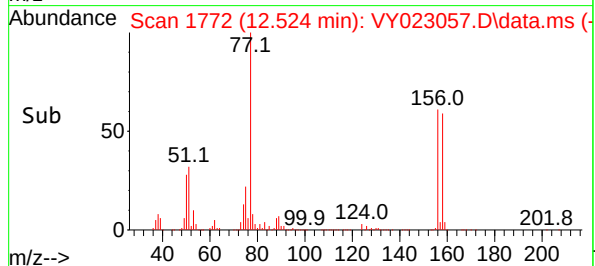
Instrument :
MSVOA_Y
ClientSampleId :
ICVY081225



Tgt Ion: 156 Resp: 311065
Ion Ratio Lower Upper
156 100
77 178.4 88.1 264.4
158 96.6 48.0 144.0

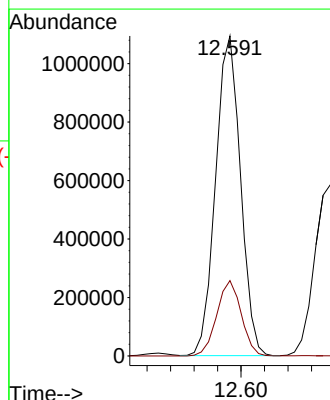
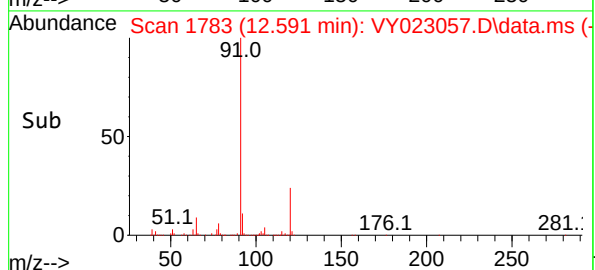
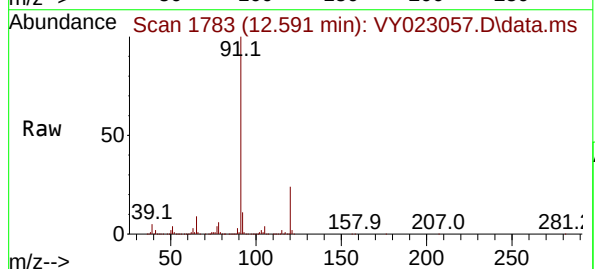
Manual Integrations
APPROVED

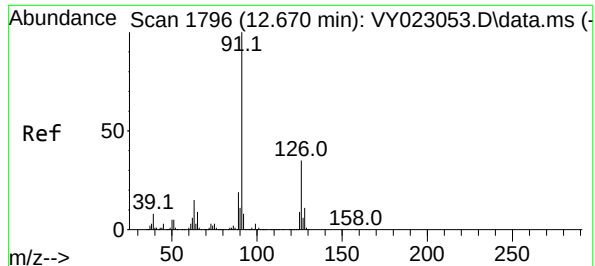
Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025



#78
n-propylbenzene
Concen: 50.853 ug/l
RT: 12.591 min Scan# 1783
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion: 91 Resp: 1610911
Ion Ratio Lower Upper
91 100
120 23.1 11.5 34.5





#79

2-Chlorotoluene

Concen: 49.898 ug/l

RT: 12.676 min Scan# 1796

Delta R.T. 0.006 min

Lab File: VY023057.D

Acq: 12 Aug 2025 17:53

Instrument :

MSVOA_Y

ClientSampleId :

ICVY081225

Tgt Ion: 91 Resp: 90565

Ion Ratio Lower Upper

91 100

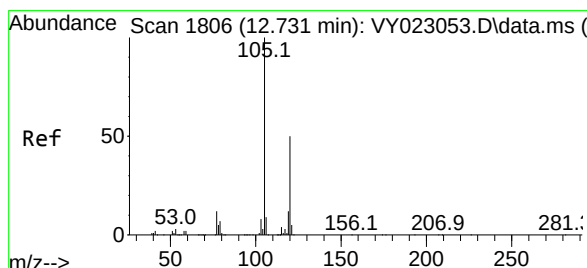
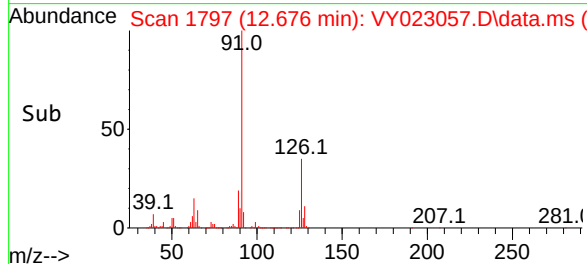
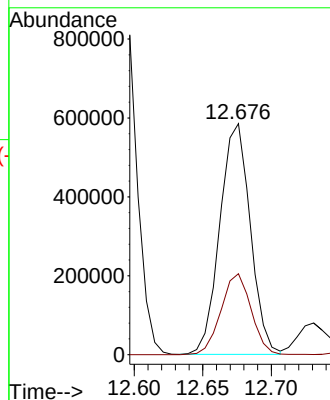
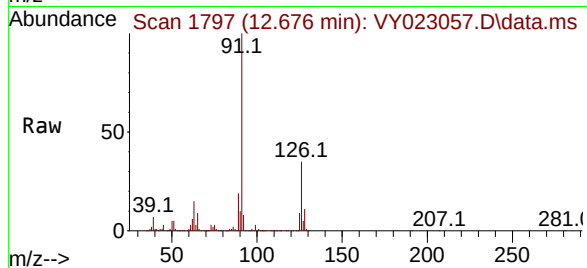
126 34.7 17.4 52.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025

Supervised By :Semsettin Yesilyurt 08/14/2025



#80

1,3,5-Trimethylbenzene

Concen: 50.916 ug/l

RT: 12.731 min Scan# 1806

Delta R.T. 0.000 min

Lab File: VY023057.D

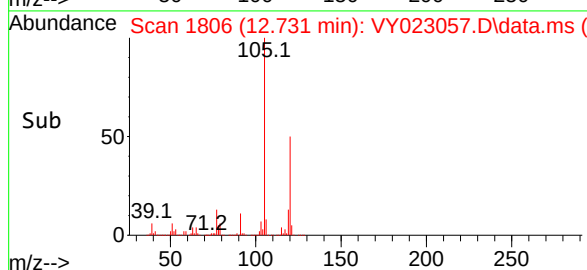
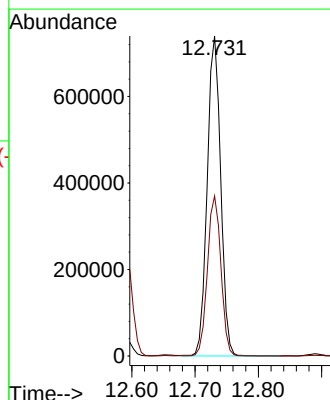
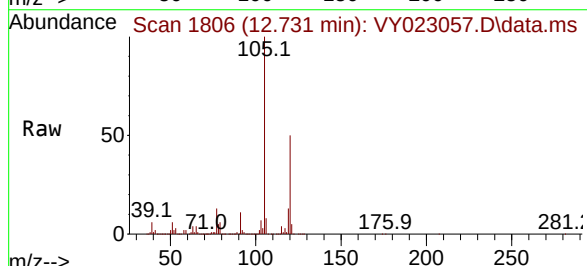
Acq: 12 Aug 2025 17:53

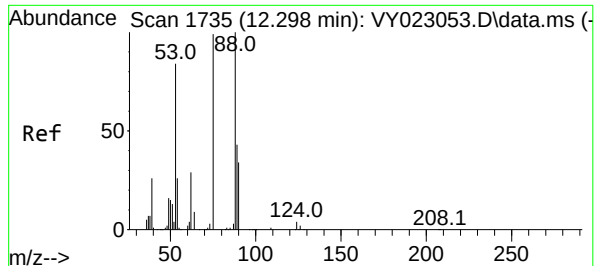
Tgt Ion:105 Resp: 1094902

Ion Ratio Lower Upper

105 100

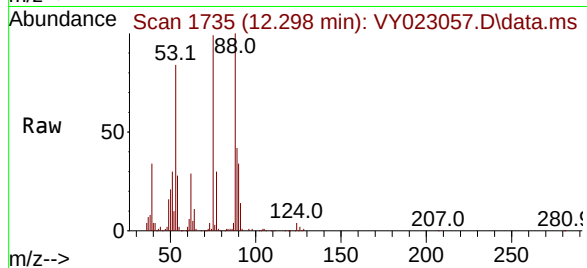
120 50.1 24.8 74.4





#81
trans-1,4-Dichloro-2-butene
Concen: 49.409 ug/l
RT: 12.298 min Scan# 1735
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

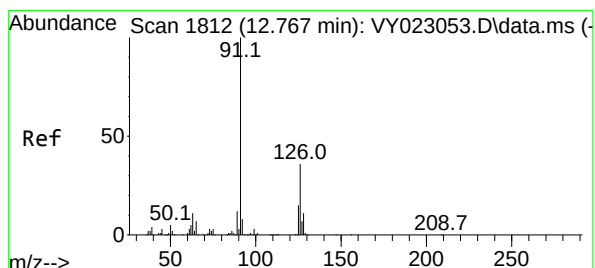
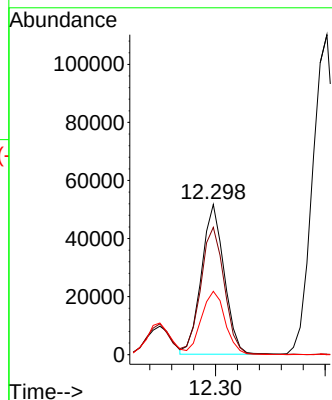
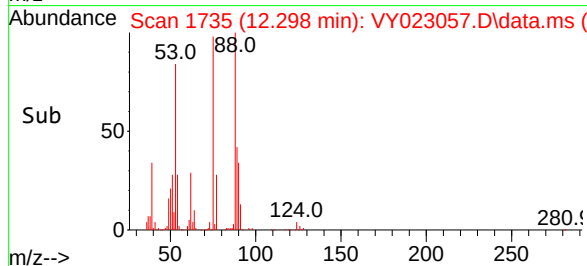
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY081225



Tgt Ion: 75 Resp: 7426
Ion Ratio Lower Upper
75 100
53 89.2 70.8 106.2
89 44.3 38.1 57.1

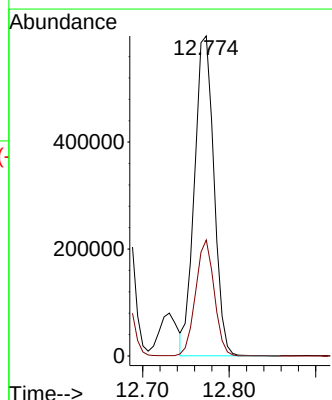
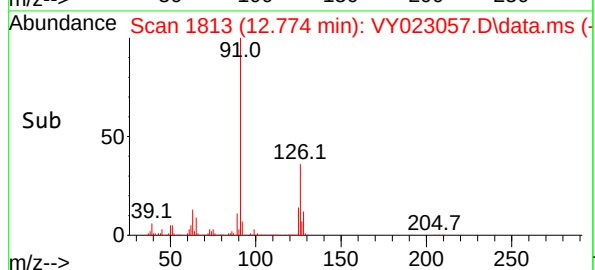
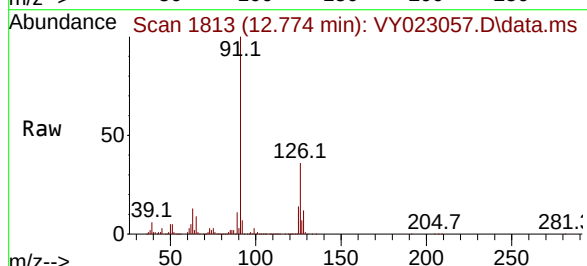
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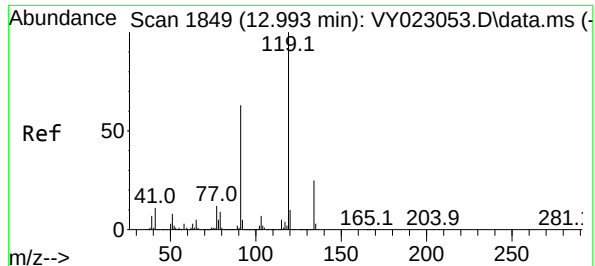
Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025



#82
4-Chlorotoluene
Concen: 49.505 ug/l
RT: 12.774 min Scan# 1813
Delta R.T. 0.006 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion: 91 Resp: 932114
Ion Ratio Lower Upper
91 100
126 34.7 17.3 52.0





#83

tert-Butylbenzene

Concen: 50.443 ug/l

RT: 12.993 min Scan# 1849

Delta R.T. 0.000 min

Lab File: VY023057.D

Acq: 12 Aug 2025 17:53

Instrument :

MSVOA_Y

ClientSampleId :

ICVY081225

Tgt Ion:119 Resp: 979692

Ion Ratio Lower Upper

119 100

91 63.7 31.6 94.8

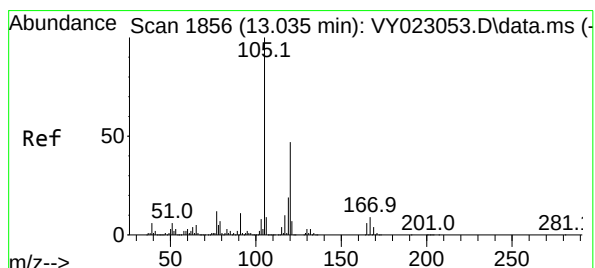
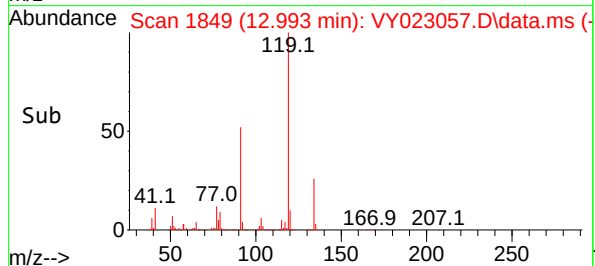
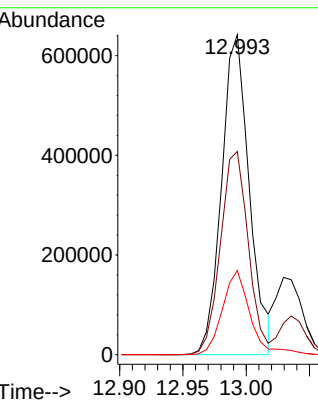
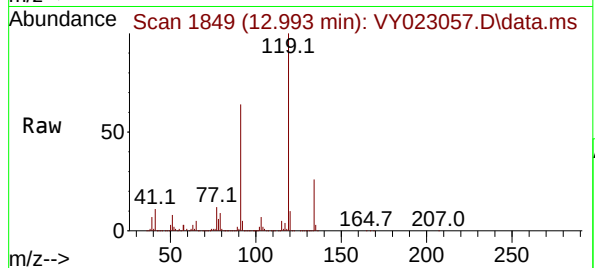
134 26.4 12.9 38.7

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025

Supervised By :Semsettin Yesilyurt 08/14/2025



#84

1,2,4-Trimethylbenzene

Concen: 51.042 ug/l

RT: 13.036 min Scan# 1856

Delta R.T. 0.000 min

Lab File: VY023057.D

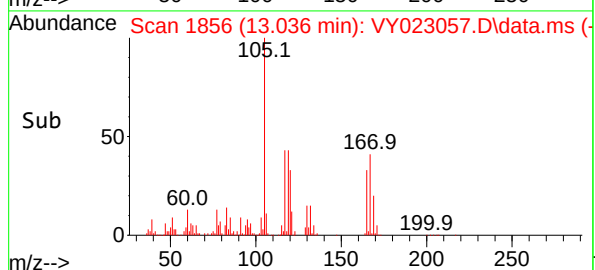
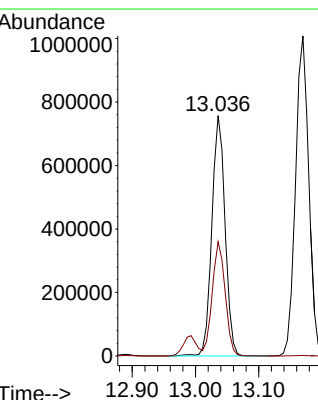
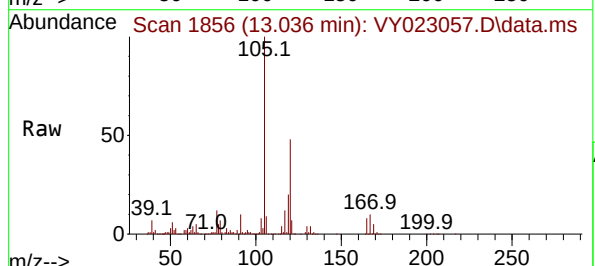
Acq: 12 Aug 2025 17:53

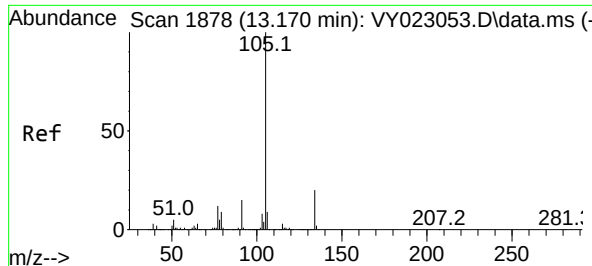
Tgt Ion:105 Resp: 1092616

Ion Ratio Lower Upper

105 100

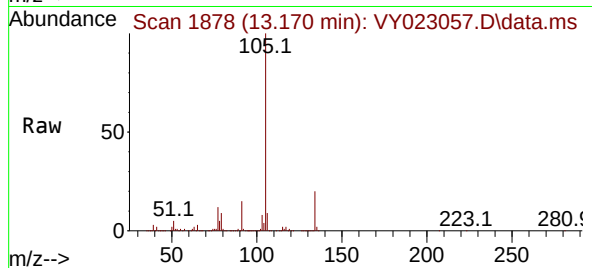
120 46.3 23.0 69.0





#85
sec-Butylbenzene
Concen: 51.154 ug/l
RT: 13.170 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

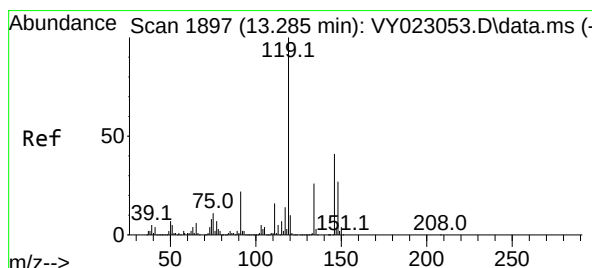
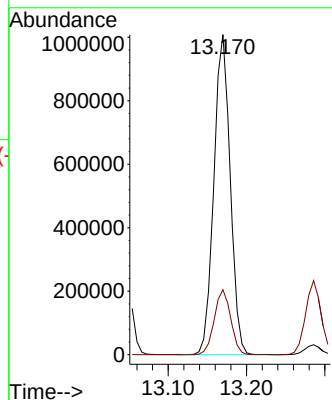
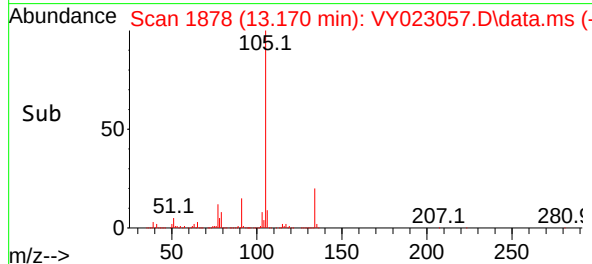
Instrument :
MSVOA_Y
ClientSampleId :
ICVY081225



Tgt Ion:105 Resp: 145943
Ion Ratio Lower Upper
105 100
134 20.4 10.2 30.4

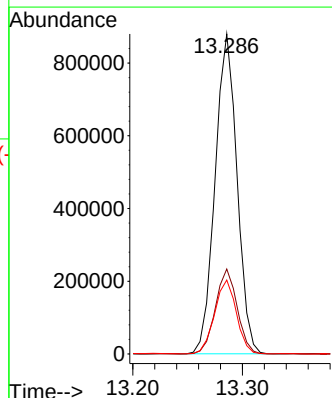
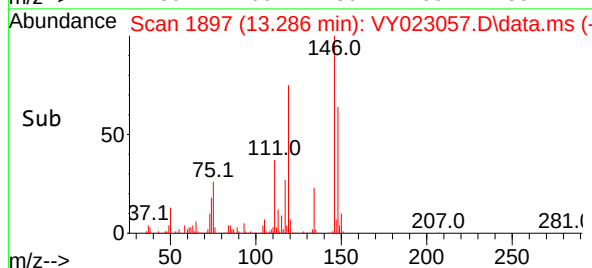
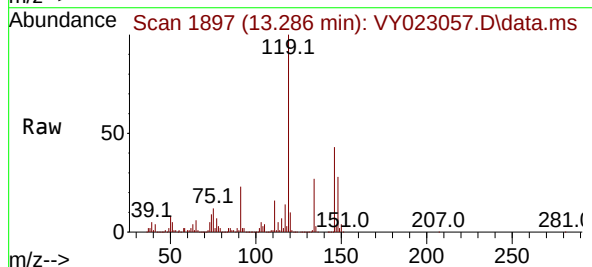
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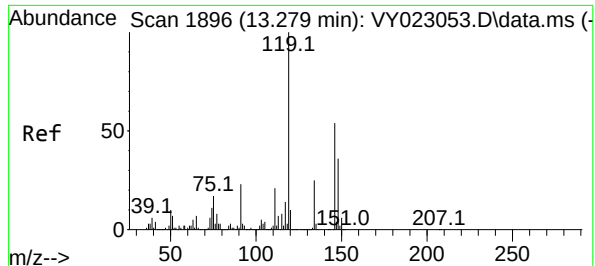
Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025



#86
p-Isopropyltoluene
Concen: 51.639 ug/l
RT: 13.286 min Scan# 1897
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion:119 Resp: 1222900
Ion Ratio Lower Upper
119 100
134 26.3 13.2 39.6
91 22.9 11.3 33.8





#87

1,3-Dichlorobenzene

Concen: 49.639 ug/l

RT: 13.280 min Scan# 1896

Delta R.T. 0.000 min

Lab File: VY023057.D

Acq: 12 Aug 2025 17:53

Instrument :

MSVOA_Y

ClientSampleId :

ICVY081225

Tgt Ion:146 Resp: 62137

Ion Ratio Lower Upper

146 100

111 38.5 19.6 58.7

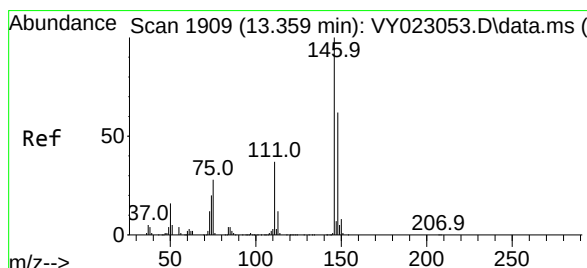
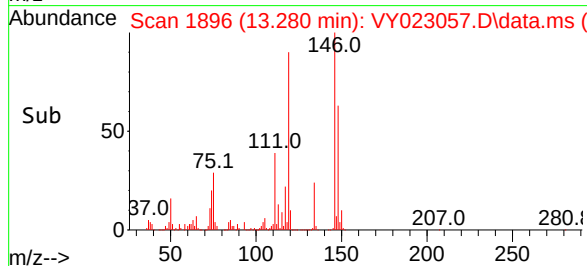
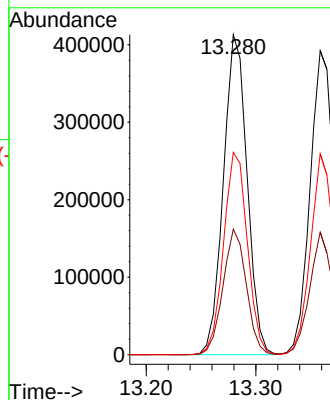
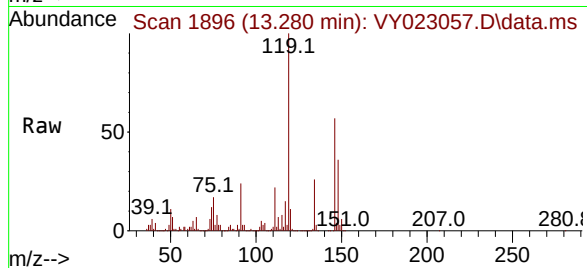
148 63.5 32.5 97.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025

Supervised By :Semsettin Yesilyurt 08/14/2025



#88

1,4-Dichlorobenzene

Concen: 48.514 ug/l

RT: 13.359 min Scan# 1909

Delta R.T. 0.000 min

Lab File: VY023057.D

Acq: 12 Aug 2025 17:53

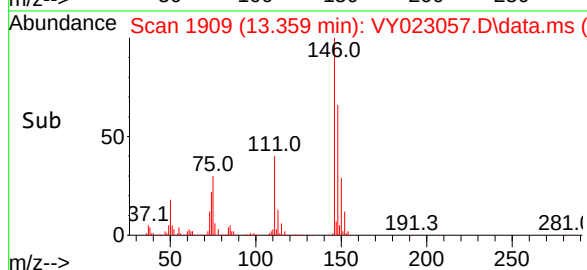
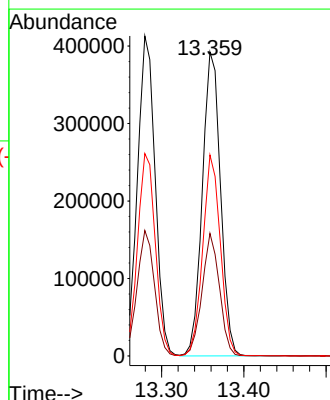
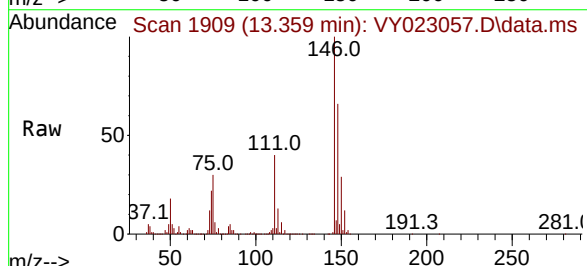
Tgt Ion:146 Resp: 602429

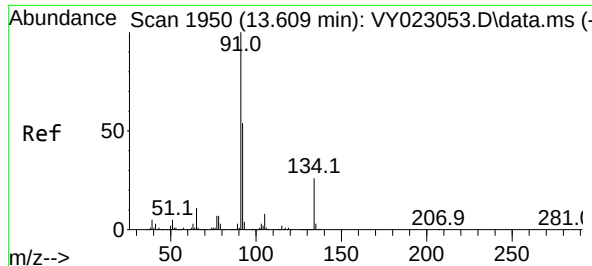
Ion Ratio Lower Upper

146 100

111 38.6 19.1 57.1

148 64.1 31.6 94.7





#89

n-Butylbenzene

Concen: 51.594 ug/l

RT: 13.609 min Scan# 1950

Delta R.T. 0.000 min

Lab File: VY023057.D

Acq: 12 Aug 2025 17:53

Instrument :

MSVOA_Y

ClientSampleId :

ICVY081225

Tgt Ion: 91 Resp: 1122189

Ion Ratio Lower Upper

91 100

92 53.7 26.9 80.7

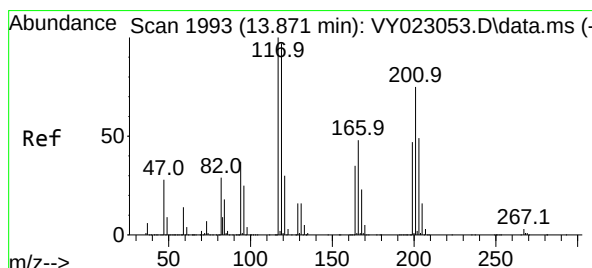
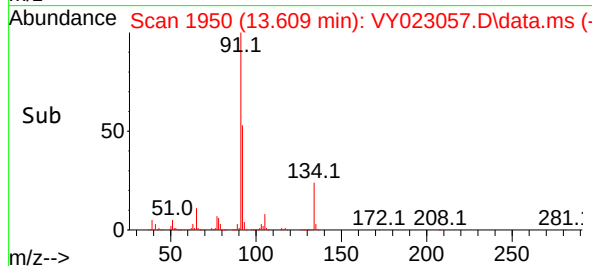
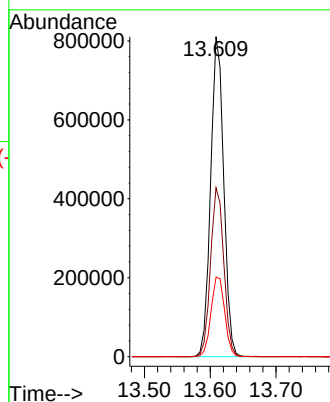
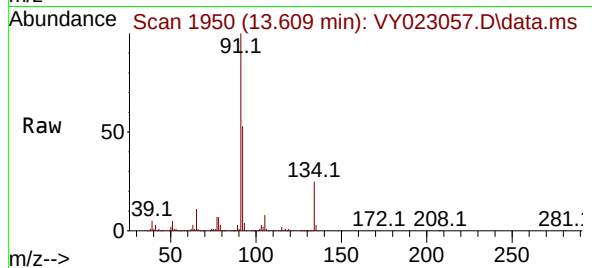
134 26.2 13.2 39.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025

Supervised By :Semsettin Yesilyurt 08/14/2025



#90

Hexachloroethane

Concen: 50.617 ug/l

RT: 13.871 min Scan# 1993

Delta R.T. 0.000 min

Lab File: VY023057.D

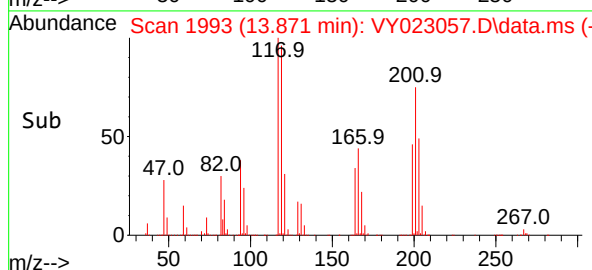
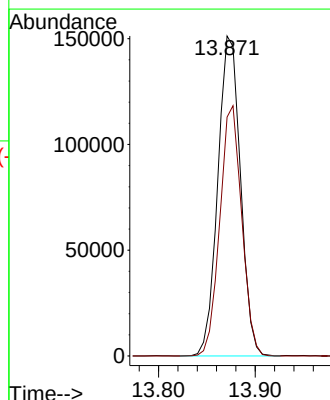
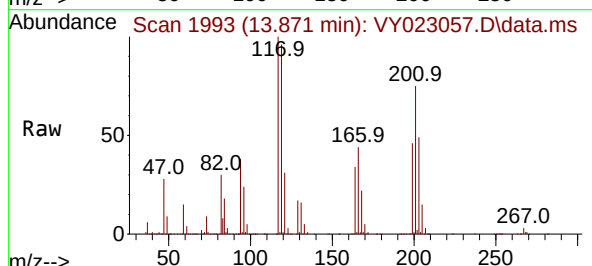
Acq: 12 Aug 2025 17:53

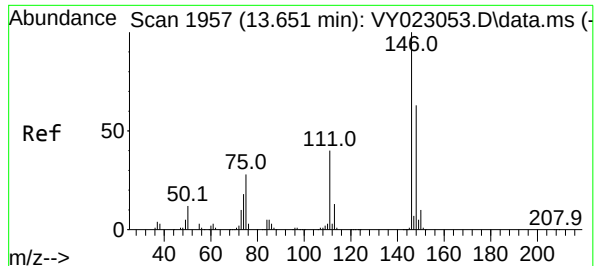
Tgt Ion:117 Resp: 245386

Ion Ratio Lower Upper

117 100

201 75.7 38.4 115.1





#91
1,2-Dichlorobenzene
Concen: 49.234 ug/l
RT: 13.651 min Scan# 1957
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Instrument :

MSVOA_Y

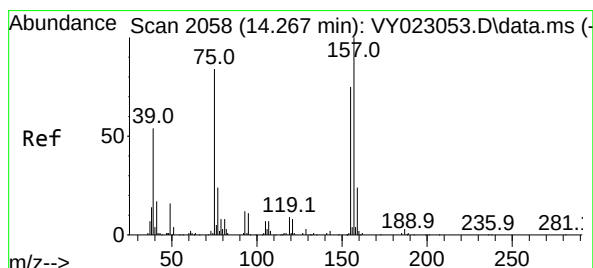
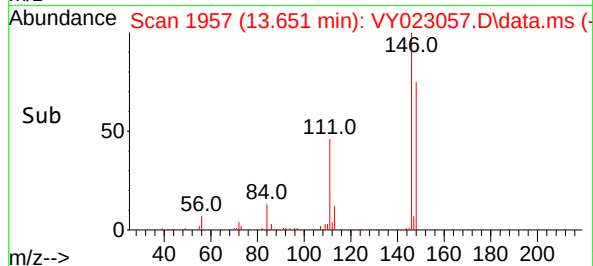
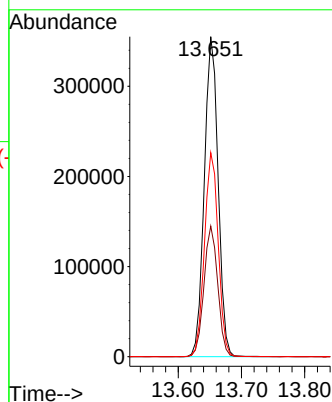
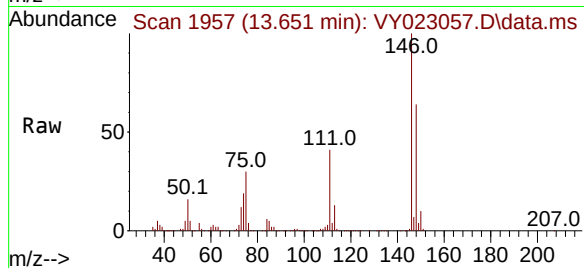
ClientSampleId :

ICVVY081225

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.7	20.3	60.8
148	63.5	32.2	96.6

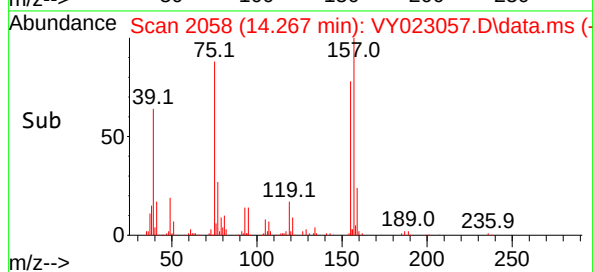
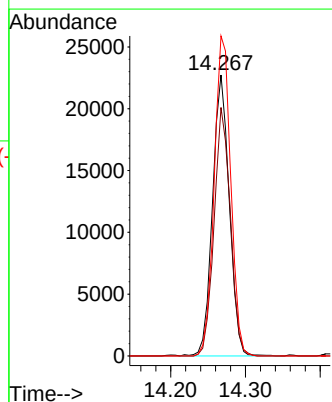
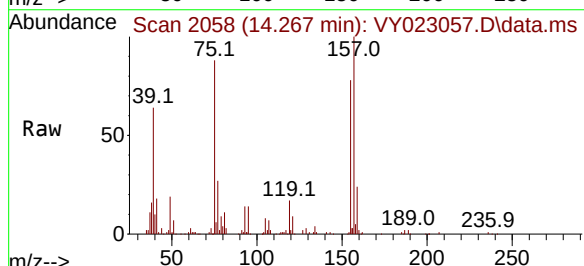
Manual Integrations
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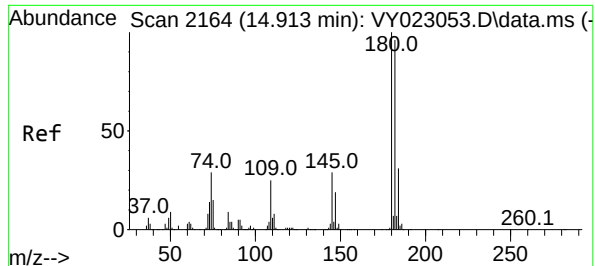
Reviewed By :Mahesh Dadoda 08/14/2025
Supervised By :Semsettin Yesilyurt 08/14/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 50.085 ug/l
RT: 14.267 min Scan# 2058
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.0	43.9	131.6
157	112.9	57.2	171.6





#93

1,2,4-Trichlorobenzene

Concen: 49.363 ug/l

RT: 14.913 min Scan# 2164

Delta R.T. 0.000 min

Lab File: VY023057.D

Acq: 12 Aug 2025 17:53

Instrument :

MSVOA_Y

ClientSampleId :

ICVY081225

Tgt Ion:180 Resp: 320472

Ion Ratio Lower Upper

180 100

182 94.2 46.8 140.4

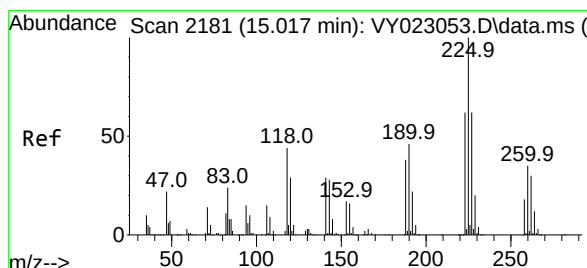
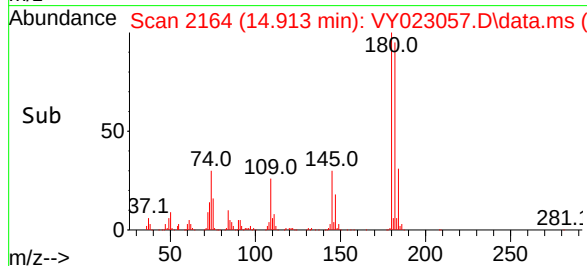
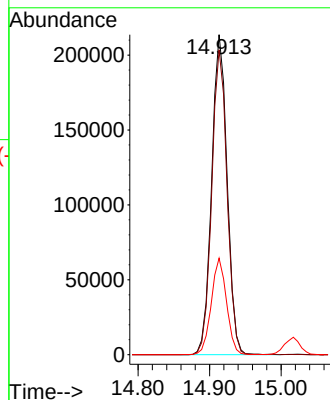
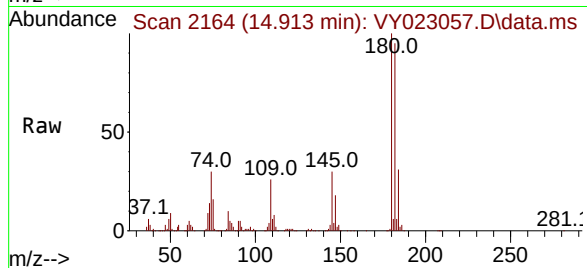
145 29.8 14.4 43.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025

Supervised By :Semsettin Yesilyurt 08/14/2025



#94

Hexachlorobutadiene

Concen: 48.344 ug/l

RT: 15.017 min Scan# 2181

Delta R.T. 0.000 min

Lab File: VY023057.D

Acq: 12 Aug 2025 17:53

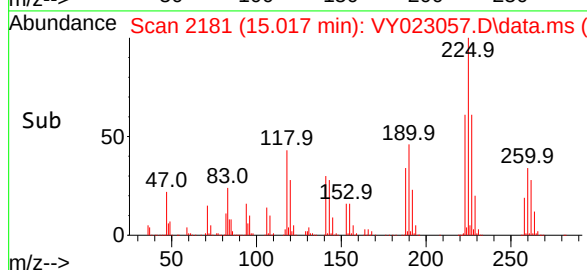
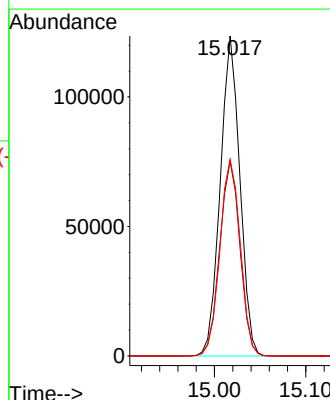
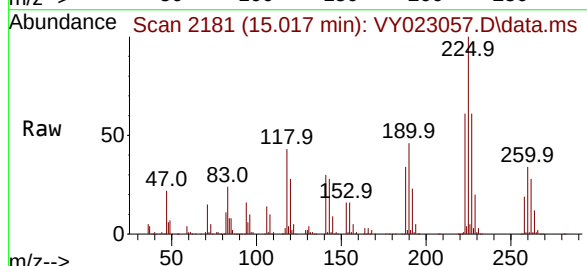
Tgt Ion:225 Resp: 184430

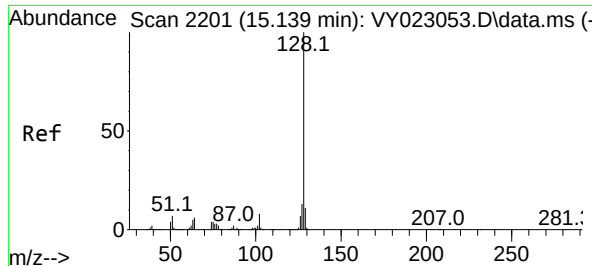
Ion Ratio Lower Upper

225 100

223 62.8 31.3 93.8

227 63.8 31.5 94.5





#95

Naphthalene

Concen: 51.623 ug/l

RT: 15.139 min Scan# 2201

Delta R.T. 0.000 min

Lab File: VY023057.D

Acq: 12 Aug 2025 17:53

Instrument :

MSVOA_Y

ClientSampleId :

ICVY081225

Tgt Ion:128 Resp: 571480

Ion Ratio Lower Upper

128 100

127 13.0 10.4 15.6

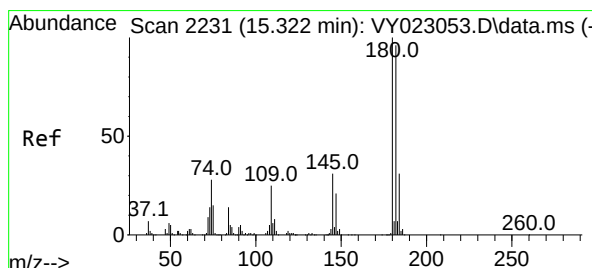
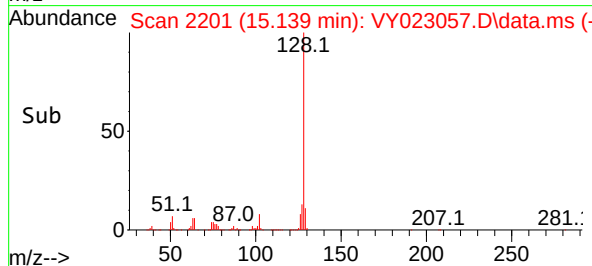
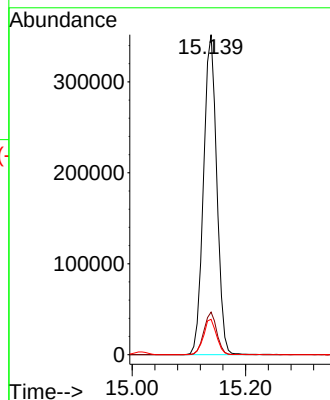
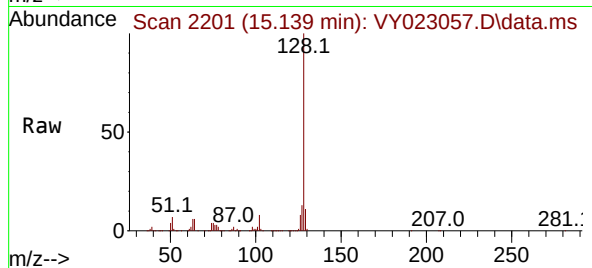
129 10.9 9.0 13.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025

Supervised By :Semsettin Yesilyurt 08/14/2025



#96

1,2,3-Trichlorobenzene

Concen: 48.735 ug/l

RT: 15.322 min Scan# 2231

Delta R.T. 0.000 min

Lab File: VY023057.D

Acq: 12 Aug 2025 17:53

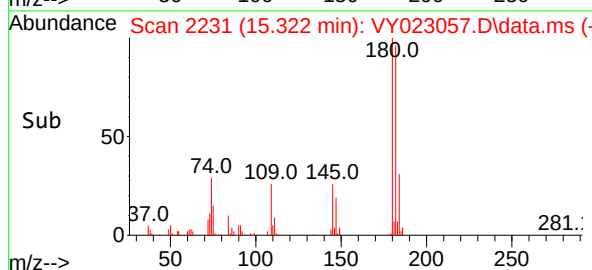
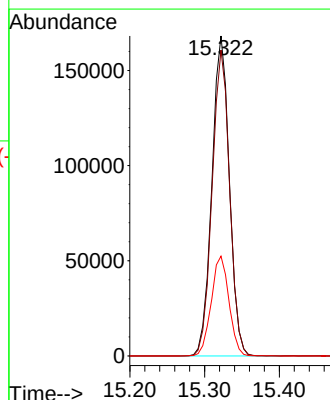
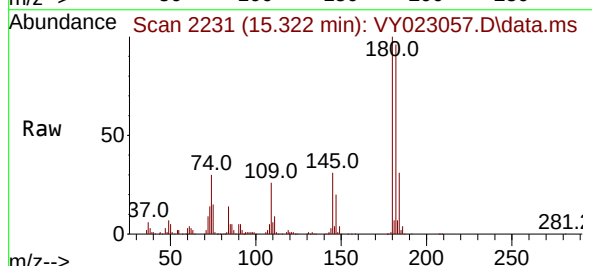
Tgt Ion:180 Resp: 272638

Ion Ratio Lower Upper

180 100

182 95.6 47.9 143.7

145 31.7 15.9 47.7



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081225\
Data File : VY023057.D
Acq On : 12 Aug 2025 17:53
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY081225

Quant Time: Aug 13 02:14:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	1.000	1.000	0.0	98	0.00
2 T	Dichlorodifluoromethane	0.408	0.339	16.9	96	0.00
3 P	Chloromethane	0.661	0.644	2.6	104	0.00
4 C	Vinyl Chloride	0.817	0.788	3.5#	100	0.00
5 T	Bromomethane	0.610	0.573	6.1	104	0.00
6 T	Chloroethane	0.543	0.532	2.0	101	0.00
7 T	Trichlorofluoromethane	0.994	0.934	6.0	98	0.00
8 T	Diethyl Ether	0.263	0.251	4.6	98	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.490	0.468	4.5	99	0.00
10 T	Methyl Iodide	0.529	0.543	-2.6	97	0.00
11 T	Tert butyl alcohol	0.033	0.032	3.0	99	0.00
12 CM	1,1-Dichloroethene	0.482	0.460	4.6#	97	0.00
13 T	Acrolein	0.048	0.042	12.5	93	0.00
14 T	Allyl chloride	0.709	0.671	5.4	96	0.00
15 T	Acrylonitrile	0.107	0.104	2.8	96	0.00
16 T	Acetone	0.103	0.087	15.5	83	0.00
17 T	Carbon Disulfide	1.571	1.475	6.1	97	0.00
18 T	Methyl Acetate	0.307	0.319	-3.9	97	0.00
19 T	Methyl tert-butyl Ether	1.249	1.246	0.2	99	0.00
20 T	Methylene Chloride	0.620	0.536	13.5	103	0.00
21 T	trans-1,2-Dichloroethene	0.541	0.528	2.4	99	0.00
22 T	Diisopropyl ether	1.541	1.541	0.0	100	0.00
23 T	Vinyl Acetate	0.852	0.826	3.1	96	0.00
24 P	1,1-Dichloroethane	0.942	0.915	2.9	98	0.00
25 T	2-Butanone	0.140	0.129	7.9	89	0.00
26 T	2,2-Dichloropropane	0.813	0.739	9.1	92	0.00
27 T	cis-1,2-Dichloroethene	0.626	0.610	2.6	99	0.00
28 T	Bromochloromethane	0.374	0.376	-0.5	101	0.00
29 T	Tetrahydrofuran	0.087	0.086	1.1	97	0.00
30 C	Chloroform	0.971	0.941	3.1#	98	0.00
31 T	Cyclohexane	0.888	0.826	7.0	99	0.00
32 T	1,1,1-Trichloroethane	0.862	0.844	2.1	99	0.00
33 S	1,2-Dichloroethane-d4	0.477	0.477	0.0	101	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	99	0.00
35 S	Dibromofluoromethane	0.299	0.300	-0.3	102	0.00
36 T	1,1-Dichloropropene	0.445	0.429	3.6	98	0.00
37 T	Ethyl Acetate	0.187	0.185	1.1	98	0.00
38 T	Carbon Tetrachloride	0.483	0.464	3.9	99	0.00
39 T	Methylcyclohexane	0.586	0.581	0.9	102	0.00
40 TM	Benzene	1.370	1.327	3.1	99	0.00
41 T	Methacrylonitrile	0.108	0.104	3.7	94	0.00
42 TM	1,2-Dichloroethane	0.356	0.343	3.7	98	0.00
43 T	Isopropyl Acetate	0.378	0.371	1.9	99	0.00
44 TM	Trichloroethene	0.354	0.339	4.2	98	0.00
45 C	1,2-Dichloropropane	0.315	0.309	1.9#	99	0.00
46 T	Dibromomethane	0.181	0.176	2.8	98	0.00
47 T	Bromodichloromethane	0.466	0.461	1.1	99	0.00
48 T	Methyl methacrylate	0.181	0.183	-1.1	96	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081225\
Data File : VY023057.D
Acq On : 12 Aug 2025 17:53
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY081225

Quant Time: Aug 13 02:14:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	1,4-Dioxane	0.002	0.002	0.0	97	0.00
50 S	Toluene-d8	1.169	1.153	1.4	100	0.00
51 T	4-Methyl-2-Pentanone	0.195	0.194	0.5	97	0.00
52 CM	Toluene	0.870	0.852	2.1#	99	0.00
53 T	t-1,3-Dichloropropene	0.422	0.419	0.7	99	0.00
54 T	cis-1,3-Dichloropropene	0.499	0.488	2.2	98	0.00
55 T	1,1,2-Trichloroethane	0.242	0.237	2.1	98	0.00
56 T	Ethyl methacrylate	0.310	0.315	-1.6	98	0.00
57 T	1,3-Dichloropropane	0.411	0.404	1.7	99	0.00
58 T	2-Chloroethyl Vinyl ether	0.146	0.160	-9.6	102	0.00
59 T	2-Hexanone	0.133	0.130	2.3	94	0.00
60 T	Dibromochloromethane	0.320	0.318	0.6	99	0.00
61 T	1,2-Dibromoethane	0.228	0.224	1.8	98	0.00
62 S	4-Bromofluorobenzene	0.376	0.387	-2.9	104	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	101	0.00
64 T	Tetrachloroethene	0.446	0.406	9.0	94	0.00
65 PM	Chlorobenzene	1.079	1.041	3.5	99	0.00
66 T	1,1,1,2-Tetrachloroethane	0.366	0.357	2.5	99	0.00
67 C	Ethyl Benzene	1.856	1.825	1.7#	99	0.00
68 T	m/p-Xylenes	0.725	0.714	1.5	100	0.00
69 T	o-Xylene	0.679	0.674	0.7	99	0.00
70 T	Styrene	1.110	1.127	-1.5	101	0.00
71 P	Bromoform	0.214	0.208	2.8	98	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
73 T	Isopropylbenzene	3.529	3.520	0.3	100	0.00
74 T	N-amyl acetate	0.748	0.756	-1.1	98	0.00
75 P	1,1,2,2-Tetrachloroethane	0.603	0.595	1.3	102	0.00
76 T	1,2,3-Trichloropropane	0.483	0.445	7.9	83	0.00
77 T	Bromobenzene	0.842	0.825	2.0	99	0.00
78 T	n-propylbenzene	4.201	4.273	-1.7	101	0.00
79 T	2-Chlorotoluene	2.407	2.402	0.2	101	0.00
80 T	1,3,5-Trimethylbenzene	2.852	2.904	-1.8	101	0.00
81 T	trans-1,4-Dichloro-2-butene	0.199	0.197	1.0	100	0.00
82 T	4-Chlorotoluene	2.497	2.473	1.0	100	0.00
83 T	tert-Butylbenzene	2.576	2.599	-0.9	100	0.00
84 T	1,2,4-Trimethylbenzene	2.839	2.898	-2.1	102	0.00
85 T	sec-Butylbenzene	3.784	3.871	-2.3	102	0.00
86 T	p-Isopropyltoluene	3.141	3.244	-3.3	102	0.00
87 T	1,3-Dichlorobenzene	1.660	1.648	0.7	102	0.00
88 T	1,4-Dichlorobenzene	1.647	1.598	3.0	100	0.00
89 T	n-Butylbenzene	2.885	2.977	-3.2	102	0.00
90 T	Hexachloroethane	0.643	0.651	-1.2	103	0.00
91 T	1,2-Dichlorobenzene	1.456	1.434	1.5	101	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.094	0.094	0.0	99	0.00
93 T	1,2,4-Trichlorobenzene	0.861	0.850	1.3	100	0.00
94 T	Hexachlorobutadiene	0.506	0.489	3.4	99	0.00
95 T	Naphthalene	1.468	1.516	-3.3	102	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081225\
Data File : VY023057.D
Acq On : 12 Aug 2025 17:53
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY081225

Quant Time: Aug 13 02:14:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.742	0.723	2.6	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081225\
Data File : VY023057.D
Acq On : 12 Aug 2025 17:53
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY081225

Quant Time: Aug 13 02:14:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	50.000	50.000	0.0	98	0.00
2 T	Dichlorodifluoromethane	50.000	41.579	16.8	96	0.00
3 P	Chloromethane	50.000	48.732	2.5	104	0.00
4 C	Vinyl Chloride	50.000	48.198	3.6#	100	0.00
5 T	Bromomethane	50.000	46.983	6.0	104	0.00
6 T	Chloroethane	50.000	48.923	2.2	101	0.00
7 T	Trichlorofluoromethane	50.000	47.003	6.0	98	0.00
8 T	Diethyl Ether	50.000	47.787	4.4	98	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	47.725	4.5	99	0.00
10 T	Methyl Iodide	50.000	51.340	-2.7	97	0.00
11 T	Tert butyl alcohol	250.000	245.940	1.6	99	0.00
12 CM	1,1-Dichloroethene	50.000	47.686	4.6#	97	0.00
13 T	Acrolein	250.000	222.008	11.2	93	0.00
14 T	Allyl chloride	50.000	47.317	5.4	96	0.00
15 T	Acrylonitrile	250.000	242.779	2.9	96	0.00
16 T	Acetone	250.000	210.695	15.7	83	0.00
17 T	Carbon Disulfide	50.000	46.948	6.1	97	0.00
18 T	Methyl Acetate	50.000	51.972	-3.9	97	0.00
19 T	Methyl tert-butyl Ether	50.000	49.899	0.2	99	0.00
20 T	Methylene Chloride	50.000	49.960	0.1	103	0.00
21 T	trans-1,2-Dichloroethene	50.000	48.765	2.5	99	0.00
22 T	Diisopropyl ether	50.000	50.011	-0.0	100	0.00
23 T	Vinyl Acetate	250.000	242.360	3.1	96	0.00
24 P	1,1-Dichloroethane	50.000	48.551	2.9	98	0.00
25 T	2-Butanone	250.000	230.028	8.0	89	0.00
26 T	2,2-Dichloropropane	50.000	45.475	9.0	92	0.00
27 T	cis-1,2-Dichloroethene	50.000	48.720	2.6	99	0.00
28 T	Bromochloromethane	50.000	50.275	-0.5	101	0.00
29 T	Tetrahydrofuran	250.000	247.420	1.0	97	0.00
30 C	Chloroform	50.000	48.450	3.1#	98	0.00
31 T	Cyclohexane	50.000	46.526	6.9	99	0.00
32 T	1,1,1-Trichloroethane	50.000	48.933	2.1	99	0.00
33 S	1,2-Dichloroethane-d4	50.000	50.038	-0.1	101	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	99	0.00
35 S	Dibromofluoromethane	50.000	50.179	-0.4	102	0.00
36 T	1,1-Dichloropropene	50.000	48.193	3.6	98	0.00
37 T	Ethyl Acetate	50.000	49.621	0.8	98	0.00
38 T	Carbon Tetrachloride	50.000	48.030	3.9	99	0.00
39 T	Methylcyclohexane	50.000	49.625	0.8	102	0.00
40 TM	Benzene	50.000	48.428	3.1	99	0.00
41 T	Methacrylonitrile	50.000	48.269	3.5	94	0.00
42 TM	1,2-Dichloroethane	50.000	48.162	3.7	98	0.00
43 T	Isopropyl Acetate	50.000	49.094	1.8	99	0.00
44 TM	Trichloroethene	50.000	47.803	4.4	98	0.00
45 C	1,2-Dichloropropane	50.000	48.961	2.1#	99	0.00
46 T	Dibromomethane	50.000	48.679	2.6	98	0.00
47 T	Bromodichloromethane	50.000	49.463	1.1	99	0.00
48 T	Methyl methacrylate	50.000	50.520	-1.0	96	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081225\
Data File : VY023057.D
Acq On : 12 Aug 2025 17:53
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY081225

Quant Time: Aug 13 02:14:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49 T	1,4-Dioxane	1000.000	971.749	2.8	97	0.00
50 S	Toluene-d8	50.000	49.306	1.4	100	0.00
51 T	4-Methyl-2-Pentanone	250.000	248.943	0.4	97	0.00
52 CM	Toluene	50.000	48.963	2.1#	99	0.00
53 T	t-1,3-Dichloropropene	50.000	49.699	0.6	99	0.00
54 T	cis-1,3-Dichloropropene	50.000	48.965	2.1	98	0.00
55 T	1,1,2-Trichloroethane	50.000	48.867	2.3	98	0.00
56 T	Ethyl methacrylate	50.000	50.779	-1.6	98	0.00
57 T	1,3-Dichloropropane	50.000	49.228	1.5	99	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	273.240	-9.3	102	0.00
59 T	2-Hexanone	250.000	244.812	2.1	94	0.00
60 T	Dibromochloromethane	50.000	49.810	0.4	99	0.00
61 T	1,2-Dibromoethane	50.000	49.197	1.6	98	0.00
62 S	4-Bromofluorobenzene	50.000	51.500	-3.0	104	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	101	0.00
64 T	Tetrachloroethene	50.000	45.512	9.0	94	0.00
65 PM	Chlorobenzene	50.000	48.275	3.5	99	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	48.815	2.4	99	0.00
67 C	Ethyl Benzene	50.000	49.163	1.7#	99	0.00
68 T	m/p-Xylenes	100.000	98.515	1.5	100	0.00
69 T	o-Xylene	50.000	49.645	0.7	99	0.00
70 T	Styrene	50.000	50.733	-1.5	101	0.00
71 P	Bromoform	50.000	48.525	3.0	98	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	100	0.00
73 T	Isopropylbenzene	50.000	49.876	0.2	100	0.00
74 T	N-amyl acetate	50.000	50.529	-1.1	98	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	49.350	1.3	102	0.00
76 T	1,2,3-Trichloropropane	50.000	46.136	7.7	83	0.00
77 T	Bromobenzene	50.000	49.004	2.0	99	0.00
78 T	n-propylbenzene	50.000	50.853	-1.7	101	0.00
79 T	2-Chlorotoluene	50.000	49.898	0.2	101	0.00
80 T	1,3,5-Trimethylbenzene	50.000	50.916	-1.8	101	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	49.409	1.2	100	0.00
82 T	4-Chlorotoluene	50.000	49.505	1.0	100	0.00
83 T	tert-Butylbenzene	50.000	50.443	-0.9	100	0.00
84 T	1,2,4-Trimethylbenzene	50.000	51.042	-2.1	102	0.00
85 T	sec-Butylbenzene	50.000	51.154	-2.3	102	0.00
86 T	p-Isopropyltoluene	50.000	51.639	-3.3	102	0.00
87 T	1,3-Dichlorobenzene	50.000	49.639	0.7	102	0.00
88 T	1,4-Dichlorobenzene	50.000	48.514	3.0	100	0.00
89 T	n-Butylbenzene	50.000	51.594	-3.2	102	0.00
90 T	Hexachloroethane	50.000	50.617	-1.2	103	0.00
91 T	1,2-Dichlorobenzene	50.000	49.234	1.5	101	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	50.085	-0.2	99	0.00
93 T	1,2,4-Trichlorobenzene	50.000	49.363	1.3	100	0.00
94 T	Hexachlorobutadiene	50.000	48.344	3.3	99	0.00
95 T	Naphthalene	50.000	51.623	-3.2	102	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081225\
Data File : VY023057.D
Acq On : 12 Aug 2025 17:53
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY081225

Quant Time: Aug 13 02:14:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	48.735	2.5	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6



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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>FIRS02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q2820</u>
Instrument ID:	<u>MSVOA_W</u>	Calibration Date/Time:	<u>08/14/2025</u> <u>09:27</u>
Lab File ID:	<u>VW032080.D</u>	Init. Calib. Date(s):	<u>08/11/2025</u> <u>08/11/2025</u>
Heated Purge: (Y/N)	<u>Y</u>	Init. Calib. Time(s):	<u>08:25</u> <u>11:08</u>
GC Column:	<u>RXI-624</u>	ID:	<u>0.25</u> (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.358	0.356		-0.56	20
Chloromethane	0.482	0.429	0.1	-11	20
Vinyl Chloride	0.583	0.555		-4.8	20
Bromomethane	0.437	0.471		7.78	20
Chloroethane	0.386	0.395		2.33	20
Trichlorofluoromethane	0.467	0.539		15.42	20
1,1,2-Trichlorotrifluoroethane	0.551	0.609		10.53	20
1,1-Dichloroethene	0.606	0.656		8.25	20
Acetone	0.167	0.198		18.56	20
Carbon Disulfide	1.628	1.465		-10.01	20
Methyl tert-butyl Ether	1.068	1.075		0.65	20
Methyl Acetate	0.530	0.535		0.94	20
Methylene Chloride	0.774	0.665		-14.08	20
trans-1,2-Dichloroethene	0.644	0.645		0.16	20
1,1-Dichloroethane	1.189	1.171	0.1	-1.51	20
Cyclohexane	1.031	0.928		-9.99	20
2-Butanone	0.238	0.258		8.4	20
Carbon Tetrachloride	0.439	0.512		16.63	20
cis-1,2-Dichloroethene	0.752	0.779		3.59	20
Bromochloromethane	0.541	0.510		-5.73	20
Chloroform	1.260	1.337		6.11	20
1,1,1-Trichloroethane	0.915	0.941		2.84	20
Methylcyclohexane	0.555	0.577		3.96	20
Benzene	1.415	1.526		7.84	20
1,2-Dichloroethane	0.453	0.524		15.67	20
Trichloroethene	0.337	0.379		12.46	20
1,2-Dichloropropane	0.342	0.367		7.31	20
Bromodichloromethane	0.509	0.582		14.34	20
4-Methyl-2-Pentanone	0.279	0.333		19.35	20
Toluene	0.892	0.978		9.64	20
t-1,3-Dichloropropene	0.476	0.531		11.56	20
cis-1,3-Dichloropropene	0.541	0.595		9.98	20
1,1,2-Trichloroethane	0.293	0.332		13.31	20
2-Hexanone	0.193	0.234		21.24	20
Dibromochloromethane	0.335	0.404		20.6	20
1,2-Dibromoethane	0.285	0.331		16.14	20
Tetrachloroethene	0.289	0.334		15.57	20
Chlorobenzene	1.088	1.216	0.3	11.77	20

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



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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>FIRS02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q2820</u>
Instrument ID:	<u>MSVOA_W</u>	Calibration Date/Time:	<u>08/14/2025</u> <u>09:27</u>
Lab File ID:	<u>VW032080.D</u>	Init. Calib. Date(s):	<u>08/11/2025</u> <u>08/11/2025</u>
Heated Purge: (Y/N)	<u>Y</u>	Init. Calib. Time(s):	<u>08:25</u> <u>11:08</u>
GC Column:	<u>RXI-624</u>	ID:	<u>0.25</u> (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.843	2.010		9.06	20
m/p-Xylenes	0.711	0.801		12.66	20
o-Xylene	0.657	0.764		16.29	20
Styrene	1.168	1.351		15.67	20
Bromoform	0.194	0.248	0.1	27.83	20
Isopropylbenzene	3.494	3.656		4.64	20
1,1,2,2-Tetrachloroethane	0.830	0.866	0.3	4.34	20
1,3-Dichlorobenzene	1.661	1.866		12.34	20
1,4-Dichlorobenzene	1.678	1.832		9.18	20
1,2-Dichlorobenzene	1.504	1.699		12.97	20
1,2-Dibromo-3-Chloropropane	0.147	0.155		5.44	20
1,2,4-Trichlorobenzene	0.900	0.991		10.11	20
1,2,3-Trichlorobenzene	0.819	0.932		13.8	20
1,2-Dichloroethane-d4	0.723	0.728		0.69	20
Dibromofluoromethane	0.323	0.346		7.12	20
Toluene-d8	1.195	1.227		2.68	20
4-Bromofluorobenzene	0.440	0.443		0.68	20

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
 Data File : VW032080.D
 Acq On : 14 Aug 2025 09:27
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Quant Time: Aug 18 03:44:57 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 12 04:04:48 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 08/19/2025
 Supervised By :Mahesh Dadoda 08/19/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.959	168	209331	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	369087	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	337227	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	174813	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	152426	50.347	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 100.700%			
35) Dibromofluoromethane	7.904	113	127528	53.483	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 106.960%			
50) Toluene-d8	10.324	98	452920	51.355	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 102.720%			
62) 4-Bromofluorobenzene	12.617	95	163398	50.275	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 100.560%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.045	85	74536	49.784	ug/l	98
3) Chloromethane	2.253	50	89872	44.563	ug/l	95
4) Vinyl Chloride	2.405	62	116200	47.634	ug/l	98
5) Bromomethane	2.820	94	98568	53.858	ug/l	100
6) Chloroethane	2.972	64	82661	51.208	ug/l	98
7) Trichlorofluoromethane	3.307	101	112860	57.752	ug/l	96
8) Diethyl Ether	3.716	74	86491	54.020	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.106	101	127479	55.292	ug/l	96
10) Methyl Iodide	4.313	142	168357	51.502	ug/l	96
11) Tert butyl alcohol	5.222	59	47413	241.851	ug/l	100
12) 1,1-Dichloroethene	4.076	96	137220	54.052	ug/l	94
13) Acrolein	3.935	56	45869	146.845	ug/l	99
14) Allyl chloride	4.704	41	166676	45.111	ug/l #	87
15) Acrylonitrile	5.405	53	193220	253.370	ug/l	99
16) Acetone	4.161	43	207328	295.783	ug/l	97
17) Carbon Disulfide	4.423	76	306638	45.000	ug/l	97
18) Methyl Acetate	4.710	43	112047	50.516	ug/l	99
19) Methyl tert-butyl Ether	5.466	73	225122	50.329	ug/l	97
20) Methylene Chloride	4.960	84	139212	42.955	ug/l	98
21) trans-1,2-Dichloroethene	5.459	96	134920	50.080	ug/l	98
22) Diisopropyl ether	6.337	45	389232	49.971	ug/l	92
23) Vinyl Acetate	6.282	43	1373340	268.547	ug/l	99
24) 1,1-Dichloroethane	6.246	63	245164	49.263	ug/l	99
25) 2-Butanone	7.197	43	270175	271.199	ug/l	99
26) 2,2-Dichloropropane	7.185	77	124724	49.956	ug/l	99
27) cis-1,2-Dichloroethene	7.191	96	163086	51.787	ug/l	97
28) Bromochloromethane	7.532	49	106726	47.126	ug/l	97
29) Tetrahydrofuran	7.557	42	172032	261.846	ug/l	100
30) Chloroform	7.691	83	279930	53.058	ug/l	99
31) Cyclohexane	7.971	56	194201	45.011	ug/l	99
32) 1,1,1-Trichloroethane	7.886	97	196892	51.378	ug/l	99
36) 1,1-Dichloropropene	8.093	75	178210	53.016	ug/l	98
37) Ethyl Acetate	7.276	43	115111	58.145	ug/l	96
38) Carbon Tetrachloride	8.081	117	189059	58.281	ug/l	98
39) Methylcyclohexane	9.343	83	213123	52.018	ug/l	96
40) Benzene	8.337	78	563104	53.892	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
 Data File : VW032080.D
 Acq On : 14 Aug 2025 09:27
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/19/2025

Supervised By :Mahesh Dadoda 08/19/2025

Quant Time: Aug 18 03:44:57 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M

Quant Title : SW846 8260

QLast Update : Tue Aug 12 04:04:48 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.502	41	61383m	54.674	ug/l	
42) 1,2-Dichloroethane	8.410	62	193320	57.820	ug/l	98
43) Isopropyl Acetate	8.435	43	208154	57.148	ug/l	98
44) Trichloroethene	9.105	130	139933	56.237	ug/l	89
45) 1,2-Dichloropropane	9.373	63	135567	53.705	ug/l	100
46) Dibromomethane	9.465	93	95991	58.920	ug/l	99
47) Bromodichloromethane	9.654	83	214831	57.226	ug/l	100
48) Methyl methacrylate	9.440	41	97630	55.521	ug/l #	88
49) 1,4-Dioxane	9.465	88	23861	1132.752	ug/l	98
51) 4-Methyl-2-Pentanone	10.215	43	613885	298.600	ug/l	96
52) Toluene	10.392	92	360912	54.839	ug/l	99
53) t-1,3-Dichloropropene	10.611	75	196142	55.768	ug/l	100
54) cis-1,3-Dichloropropene	10.074	75	219444	54.997	ug/l	93
55) 1,1,2-Trichloroethane	10.788	97	122561	56.613	ug/l	98
56) Ethyl methacrylate	10.648	69	164035	56.621	ug/l #	91
57) 1,3-Dichloropropane	10.934	76	206568	54.740	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.928	63	410338	256.070	ug/l	99
59) 2-Hexanone	10.971	43	431742	303.226	ug/l	96
60) Dibromochloromethane	11.129	129	149280	60.364	ug/l	99
61) 1,2-Dibromoethane	11.239	107	122248	58.108	ug/l	98
64) Tetrachloroethene	10.867	164	112551	57.783	ug/l	91
65) Chlorobenzene	11.660	112	410189	55.882	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.727	131	133382	58.241	ug/l	98
67) Ethyl Benzene	11.733	91	677681	54.505	ug/l	96
68) m/p-Xylenes	11.836	106	540433	112.646	ug/l	97
69) o-Xylene	12.166	106	257799	58.137	ug/l	97
70) Styrene	12.178	104	455535	57.835	ug/l	99
71) Bromoform	12.348	173	83619	63.831	ug/l #	99
73) Isopropylbenzene	12.464	105	639037	52.307	ug/l	99
74) N-amyl acetate	12.269	43	194883	55.601	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.714	83	151408	52.197	ug/l	99
76) 1,2,3-Trichloropropane	12.763	75	111615m	47.043	ug/l	
77) Bromobenzene	12.745	156	156846	53.753	ug/l	93
78) n-propylbenzene	12.800	91	803277	53.406	ug/l	100
79) 2-Chlorotoluene	12.891	91	475026	51.172	ug/l	98
80) 1,3,5-Trimethylbenzene	12.940	105	559898	53.983	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.507	75	46191	50.402	ug/l	91
82) 4-Chlorotoluene	12.989	91	510140	51.725	ug/l	97
83) tert-Butylbenzene	13.202	119	472615	54.905	ug/l	98
84) 1,2,4-Trimethylbenzene	13.245	105	560238	53.062	ug/l	98
85) sec-Butylbenzene	13.379	105	672760	51.695	ug/l	99
86) p-Isopropyltoluene	13.495	119	580472	53.502	ug/l	99
87) 1,3-Dichlorobenzene	13.495	146	326126	56.169	ug/l	98
88) 1,4-Dichlorobenzene	13.574	146	320333	54.595	ug/l	97
89) n-Butylbenzene	13.818	91	565150	53.618	ug/l	99
90) Hexachloroethane	14.086	117	102479	51.649	ug/l	96
91) 1,2-Dichlorobenzene	13.866	146	296975	56.464	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	14.482	75	27059	52.473	ug/l	96
93) 1,2,4-Trichlorobenzene	15.128	180	173211	55.052	ug/l	98
94) Hexachlorobutadiene	15.226	225	81528	57.968	ug/l	91
95) Naphthalene	15.360	128	444478	57.653	ug/l	99
96) 1,2,3-Trichlorobenzene	15.543	180	162937	56.917	ug/l	93

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
Data File : VW032080.D
Acq On : 14 Aug 2025 09:27
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 18 03:44:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 12 04:04:48 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025

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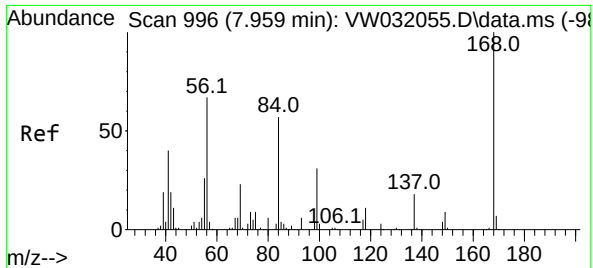
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

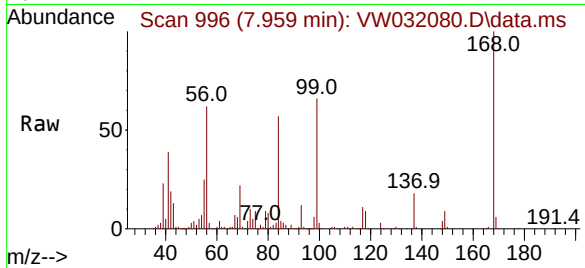
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 996
Delta R.T. 0.000 min
Lab File: VW032080.D
Acq: 14 Aug 2025 09:27

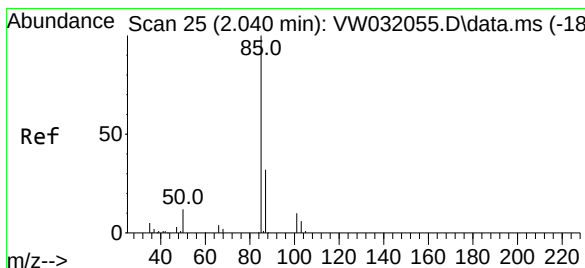
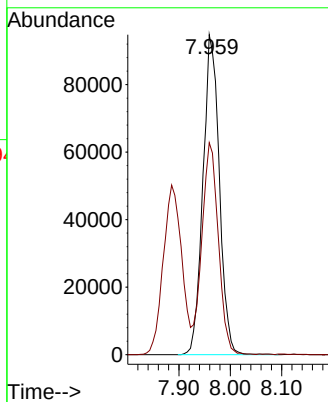
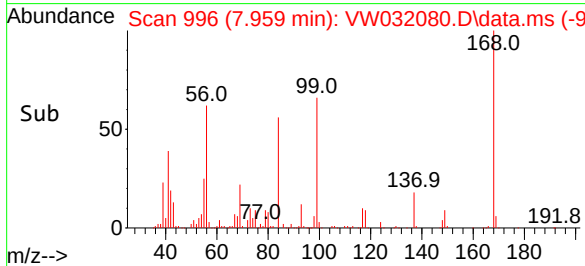
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050



Tgt Ion:168 Resp: 20933
Ion Ratio Lower Upper
168 100
99 66.1 56.0 84.0

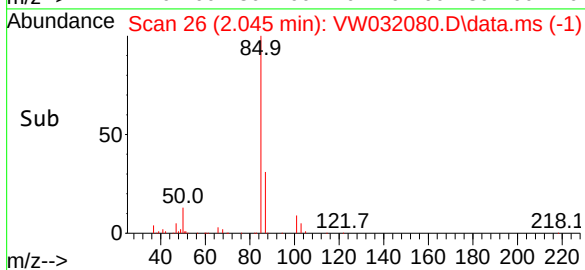
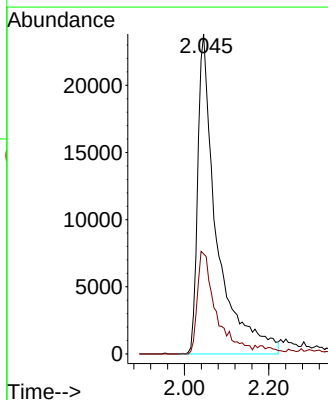
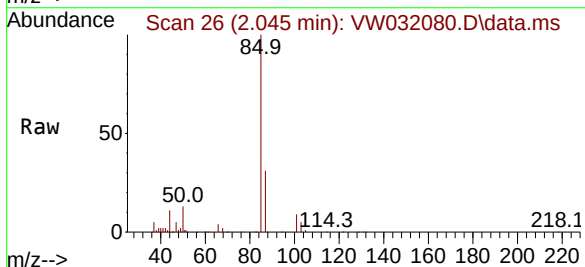
Manual Integrations
APPROVED

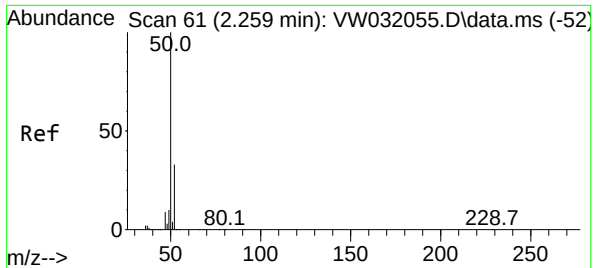
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025



#2
Dichlorodifluoromethane
Concen: 49.784 ug/l
RT: 2.045 min Scan# 26
Delta R.T. 0.006 min
Lab File: VW032080.D
Acq: 14 Aug 2025 09:27

Tgt Ion: 85 Resp: 74536
Ion Ratio Lower Upper
85 100
87 31.3 16.2 48.6





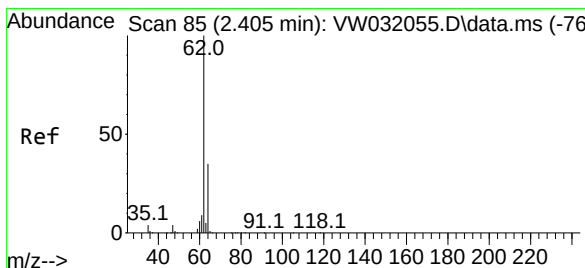
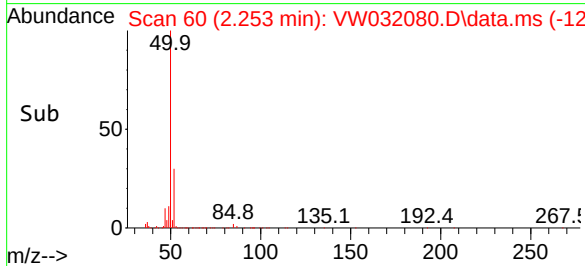
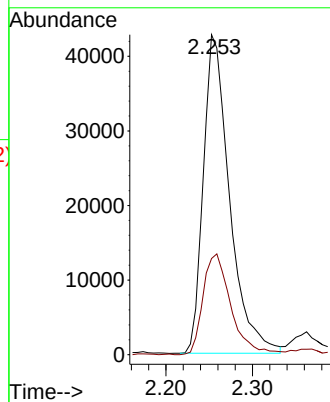
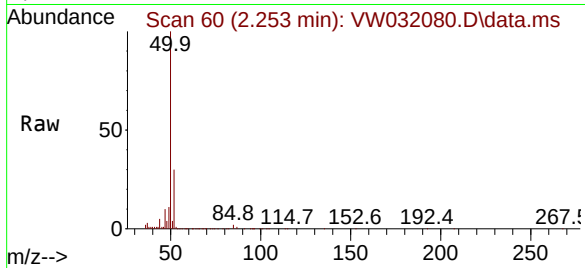
#3
Chloromethane
Concen: 44.563 ug/l
RT: 2.253 min Scan# 60
Delta R.T. -0.006 min
Lab File: VW032080.D
Acq: 14 Aug 2025 09:27

Instrument :
MSVOA_W
ClientSampleId :
VSTDC050

Tgt Ion: 50 Resp: 89872
Ion Ratio Lower Upper
50 100
52 30.2 26.6 39.8

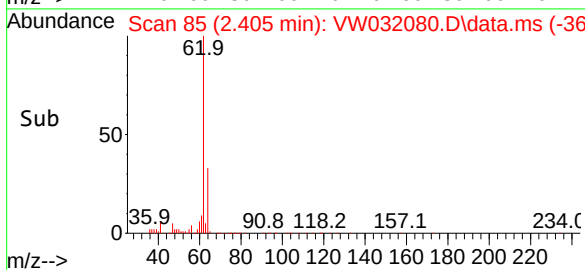
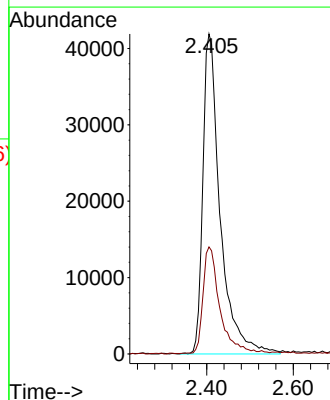
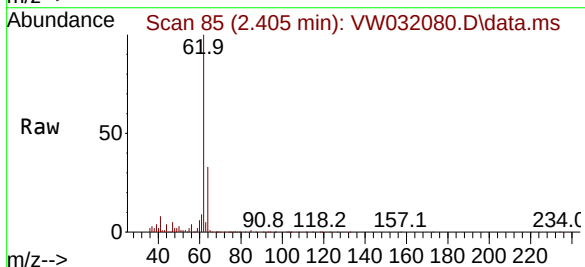
Manual Integrations
APPROVED

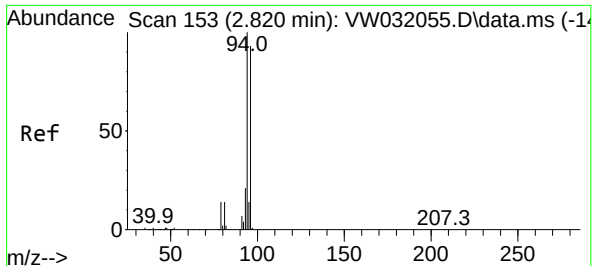
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025



#4
Vinyl Chloride
Concen: 47.634 ug/l
RT: 2.405 min Scan# 85
Delta R.T. -0.000 min
Lab File: VW032080.D
Acq: 14 Aug 2025 09:27

Tgt Ion: 62 Resp: 116200
Ion Ratio Lower Upper
62 100
64 33.3 27.8 41.6





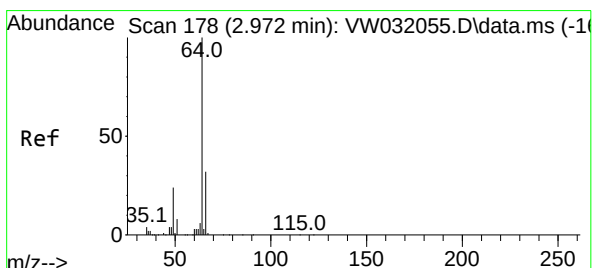
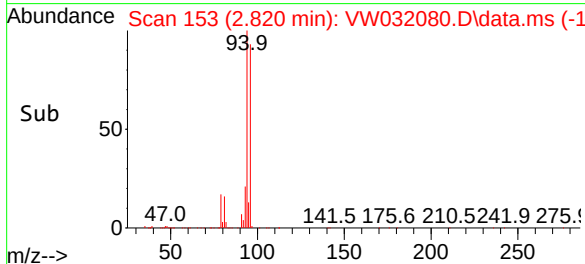
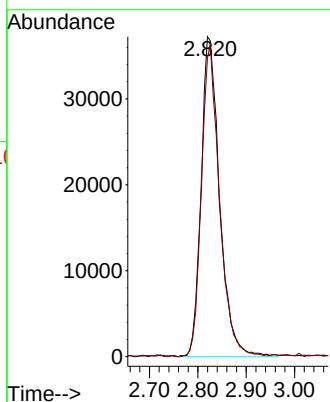
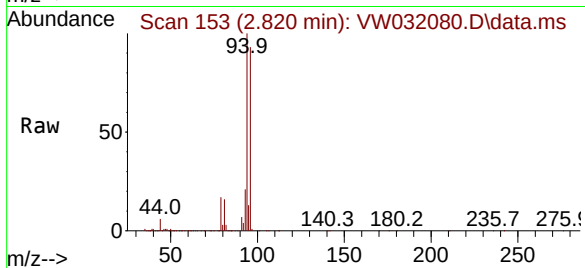
#5
Bromomethane
Concen: 53.858 ug/l
RT: 2.820 min Scan# 153
Delta R.T. -0.000 min
Lab File: VW032080.D
Acq: 14 Aug 2025 09:27

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion: 94 Resp: 9856
Ion Ratio Lower Upper
94 100
96 93.5 74.7 112.1

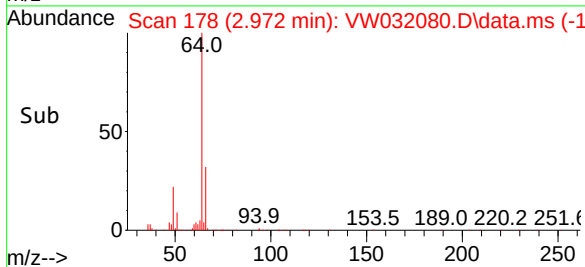
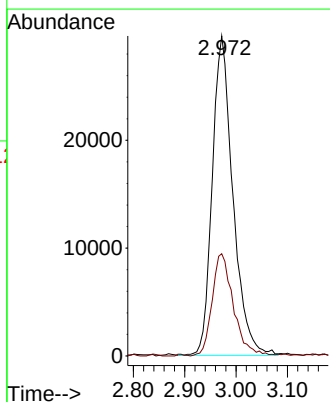
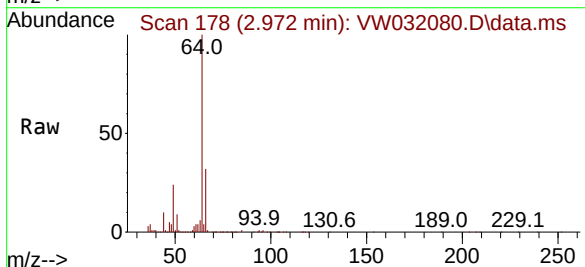
Manual Integrations
APPROVED

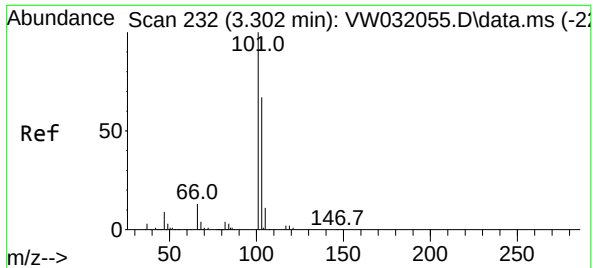
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025



#6
Chloroethane
Concen: 51.208 ug/l
RT: 2.972 min Scan# 178
Delta R.T. -0.000 min
Lab File: VW032080.D
Acq: 14 Aug 2025 09:27

Tgt Ion: 64 Resp: 82661
Ion Ratio Lower Upper
64 100
66 31.5 26.0 39.0





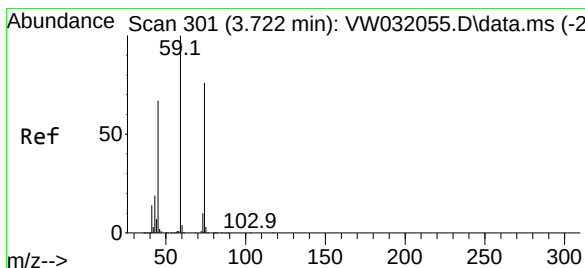
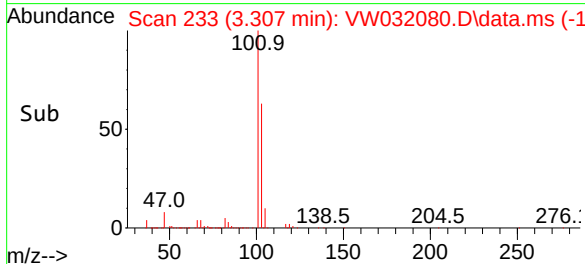
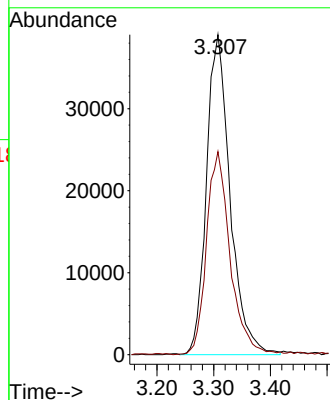
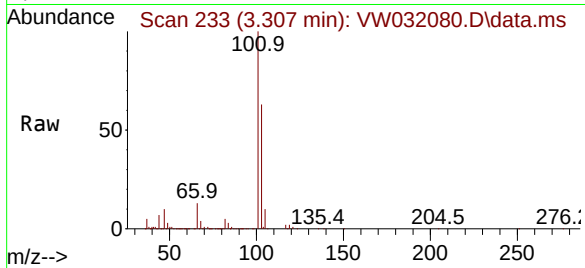
#7
Trichlorofluoromethane
Concen: 57.752 ug/l
RT: 3.307 min Scan# 211
Delta R.T. 0.006 min
Lab File: VW032080.D
Acq: 14 Aug 2025 09:27

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 112860
Ion Ratio Lower Upper
101 100
103 63.4 53.4 80.0

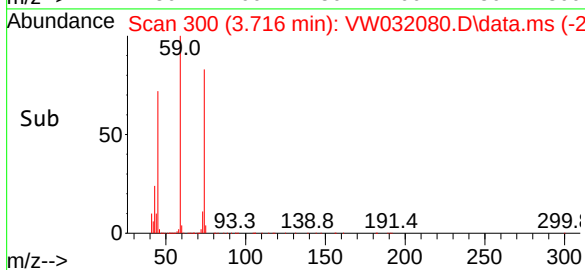
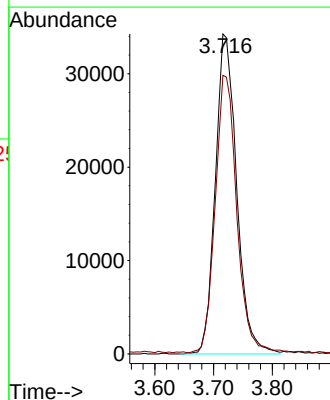
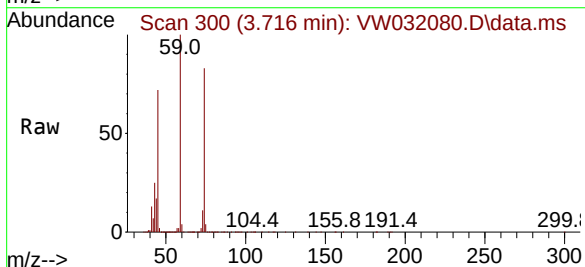
Manual Integrations
APPROVED

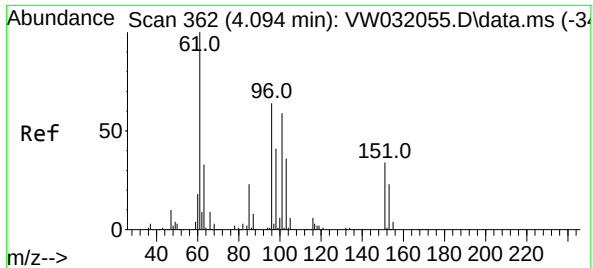
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025



#8
Diethyl Ether
Concen: 54.020 ug/l
RT: 3.716 min Scan# 300
Delta R.T. -0.006 min
Lab File: VW032080.D
Acq: 14 Aug 2025 09:27

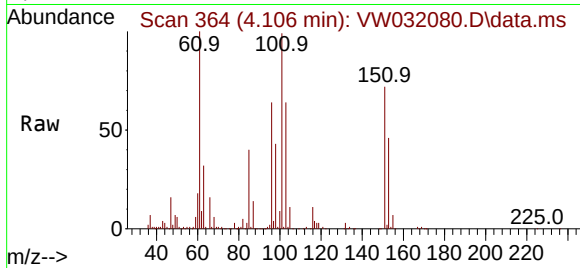
Tgt Ion: 74 Resp: 86491
Ion Ratio Lower Upper
74 100
45 87.3 45.4 136.2





#9
1,1,2-Trichlorotrifluoroethane
Concen: 55.292 ug/l
RT: 4.106 min Scan# 364
Delta R.T. 0.012 min
Lab File: VW032080.D
Acq: 14 Aug 2025 09:27

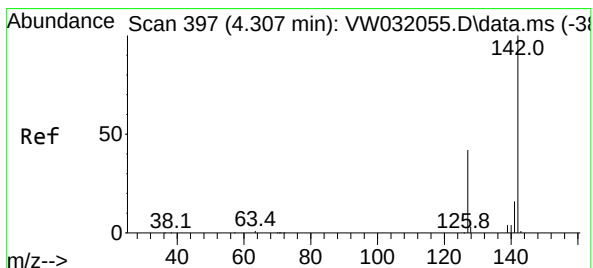
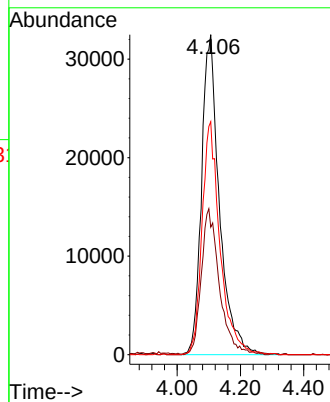
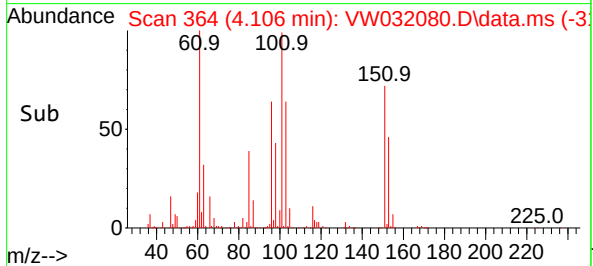
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050



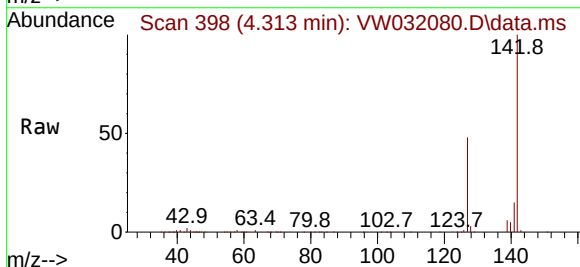
Tgt Ion:101 Resp: 127479
Ion Ratio Lower Upper
101 100
85 46.3 34.9 52.3
151 73.3 56.2 84.4

Manual Integrations
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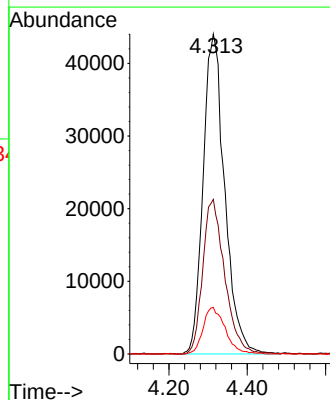
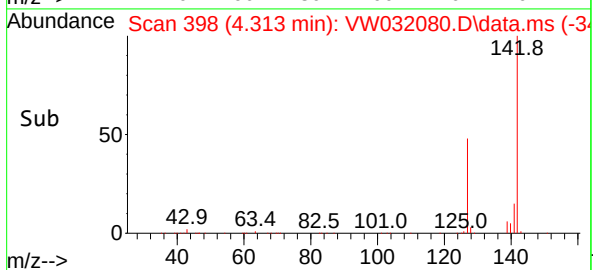
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025

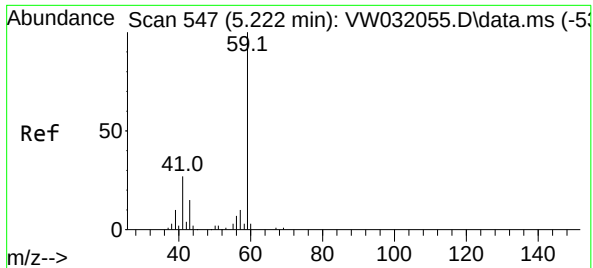


#10
Methyl Iodide
Concen: 51.502 ug/l
RT: 4.313 min Scan# 398
Delta R.T. 0.006 min
Lab File: VW032080.D
Acq: 14 Aug 2025 09:27



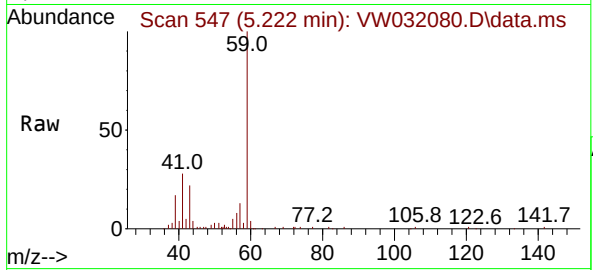
Tgt Ion:142 Resp: 168357
Ion Ratio Lower Upper
142 100
127 49.1 36.6 55.0
141 14.9 12.1 18.1





#11
Tert butyl alcohol
Concen: 241.851 ug/l
RT: 5.222 min Scan# 547
Delta R.T. -0.000 min
Lab File: VW032080.D
Acq: 14 Aug 2025 09:27

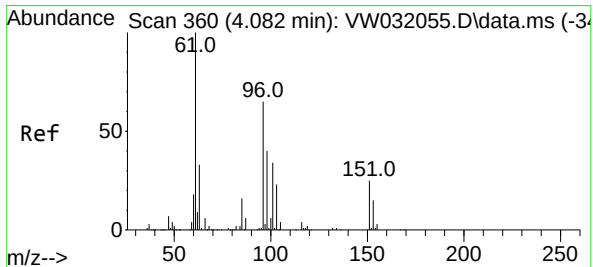
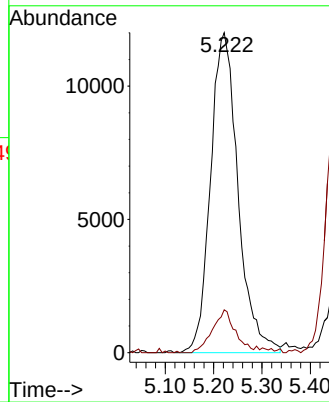
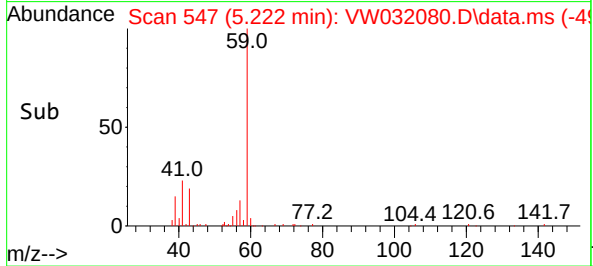
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050



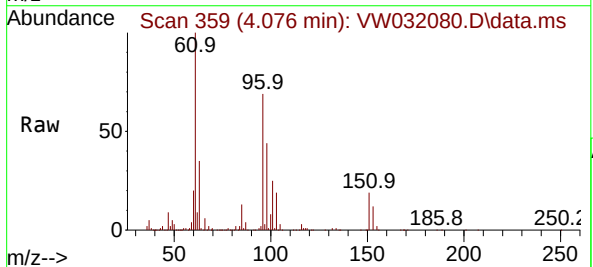
Tgt Ion: 59 Resp: 4741
Ion Ratio Lower Upper
59 100
57 11.1 8.7 13.1

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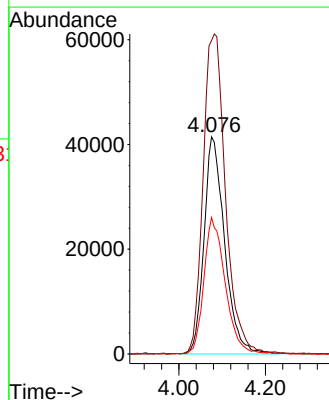
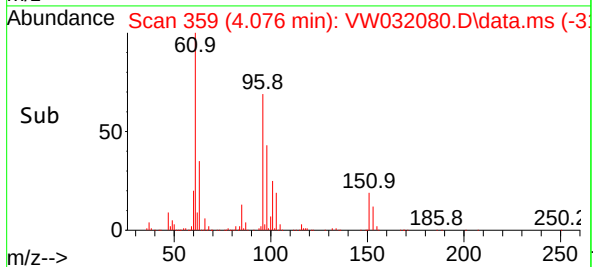
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025

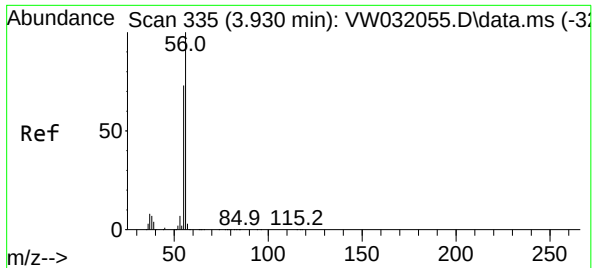


#12
1,1-Dichloroethene
Concen: 54.052 ug/l
RT: 4.076 min Scan# 359
Delta R.T. -0.006 min
Lab File: VW032080.D
Acq: 14 Aug 2025 09:27



Tgt Ion: 96 Resp: 137220
Ion Ratio Lower Upper
96 100
61 144.2 123.4 185.2
98 62.7 49.5 74.3





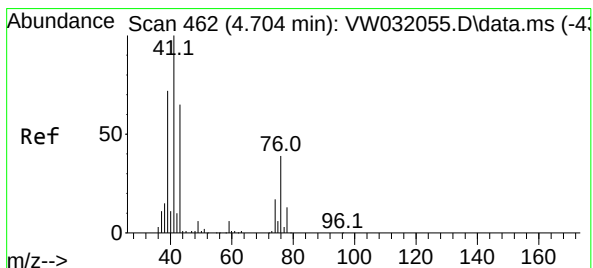
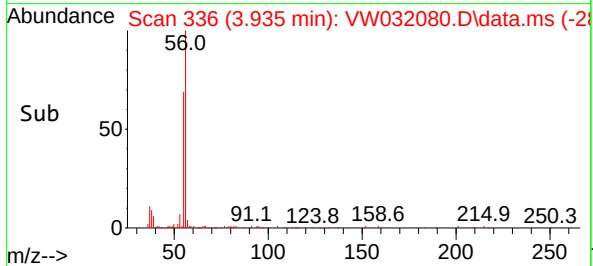
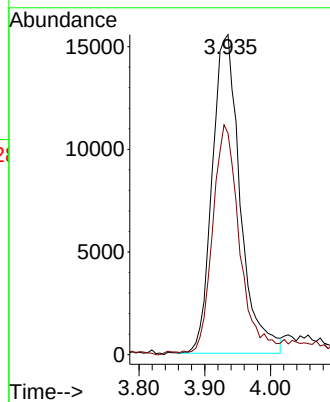
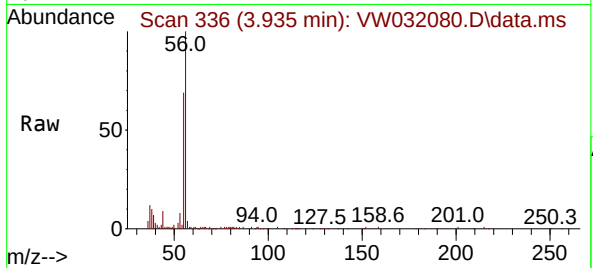
#13
Acrolein
Concen: 146.845 ug/l
RT: 3.935 min Scan# 335
Delta R.T. 0.006 min
Lab File: VW032080.D
Acq: 14 Aug 2025 09:27

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 45869
Ion Ratio Lower Upper
56 100
55 68.2 55.4 83.2

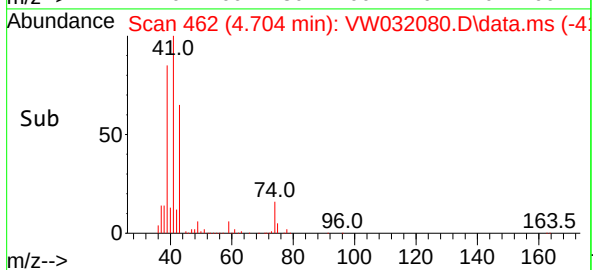
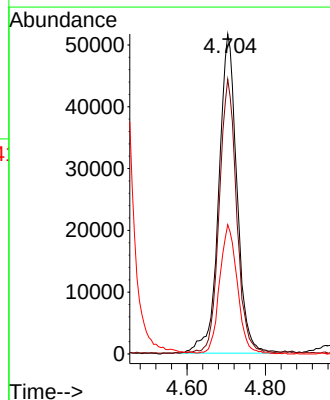
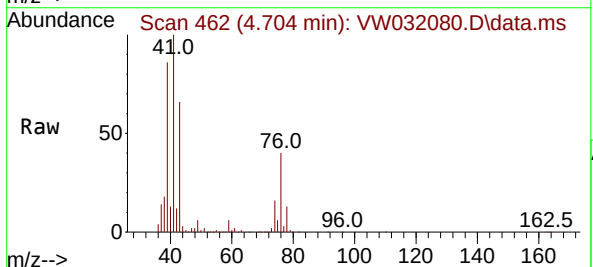
Manual Integrations
APPROVED

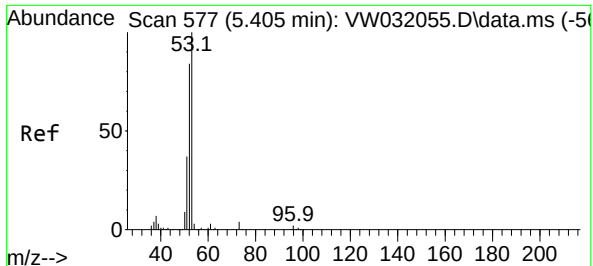
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025



#14
Allyl chloride
Concen: 45.111 ug/l
RT: 4.704 min Scan# 462
Delta R.T. -0.000 min
Lab File: VW032080.D
Acq: 14 Aug 2025 09:27

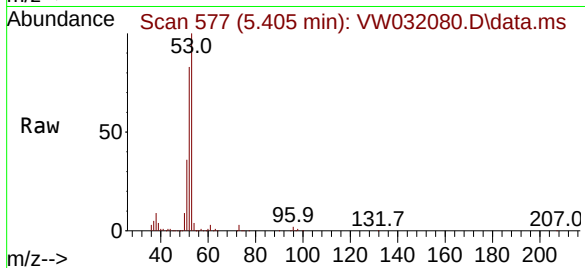
Tgt Ion: 41 Resp: 166676
Ion Ratio Lower Upper
41 100
39 81.9 54.5 81.7#
76 39.1 29.3 43.9





#15
Acrylonitrile
Concen: 253.370 ug/l
RT: 5.405 min Scan# 51
Delta R.T. -0.000 min
Lab File: VW032080.D
Acq: 14 Aug 2025 09:27

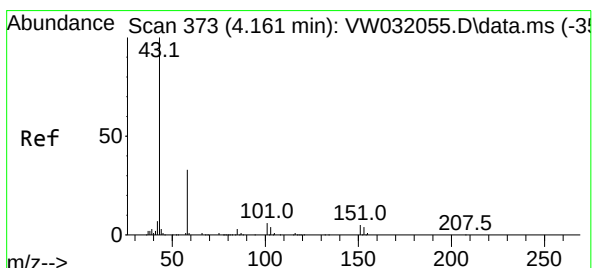
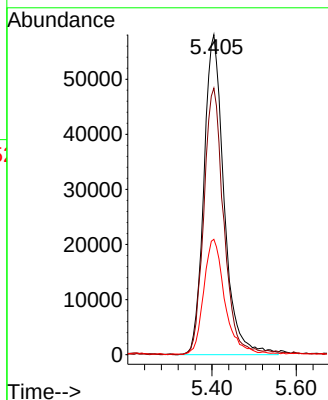
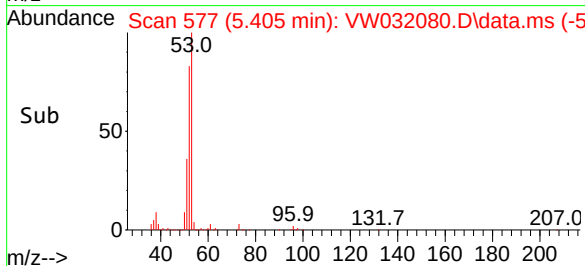
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050



Tgt Ion: 53 Resp: 193220
Ion Ratio Lower Upper
53 100
52 82.1 66.1 99.1
51 37.4 29.2 43.8

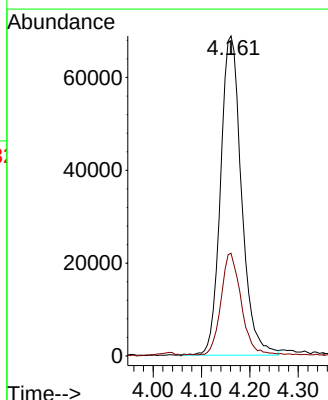
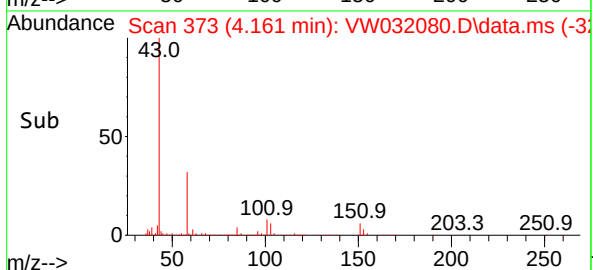
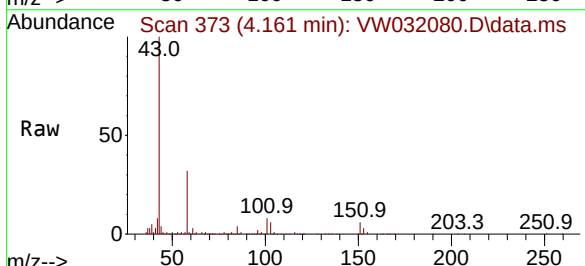
Manual Integrations
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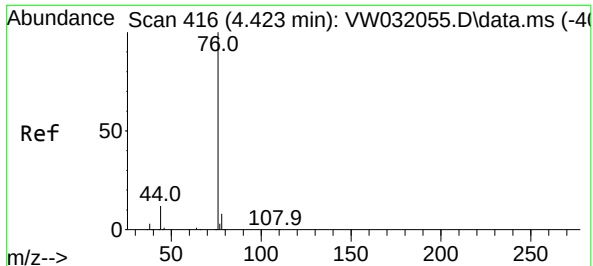
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025



#16
Acetone
Concen: 295.783 ug/l
RT: 4.161 min Scan# 373
Delta R.T. -0.000 min
Lab File: VW032080.D
Acq: 14 Aug 2025 09:27

Tgt Ion: 43 Resp: 207328
Ion Ratio Lower Upper
43 100
58 31.7 26.6 39.8





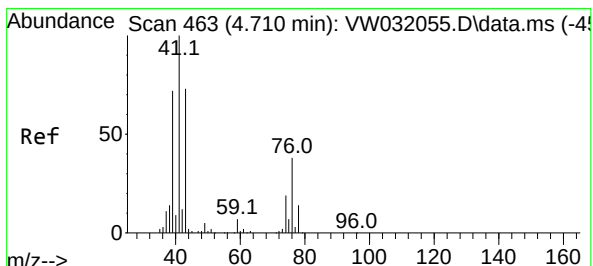
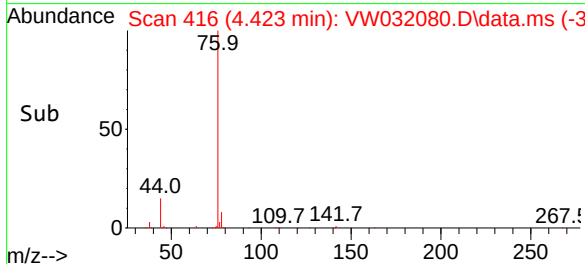
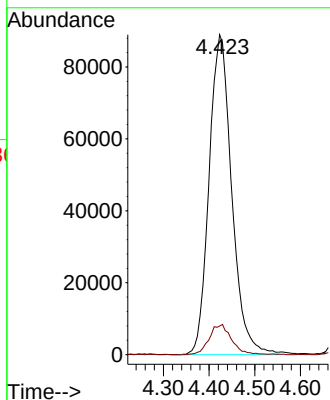
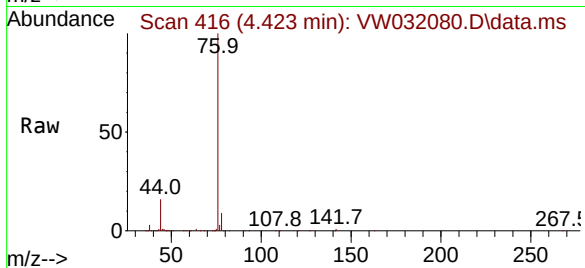
#17
Carbon Disulfide
Concen: 45.000 ug/l
RT: 4.423 min Scan# 416
Delta R.T. -0.000 min
Lab File: VW032080.D
Acq: 14 Aug 2025 09:27

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 306638
Ion Ratio Lower Upper
76 100
78 8.9 6.4 9.6

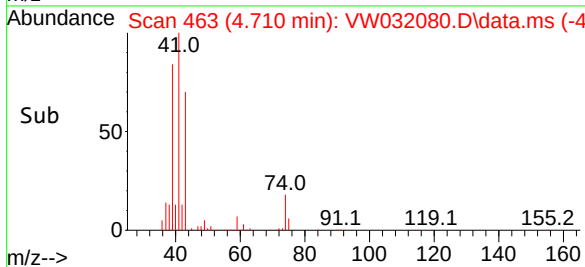
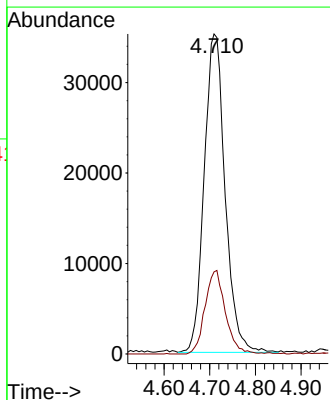
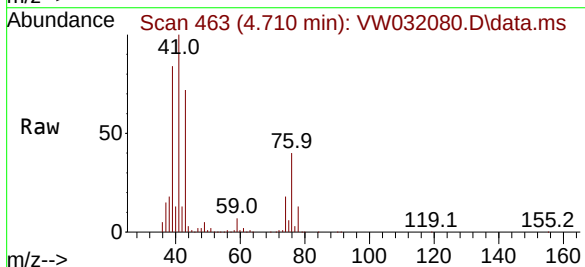
Manual Integrations
APPROVED

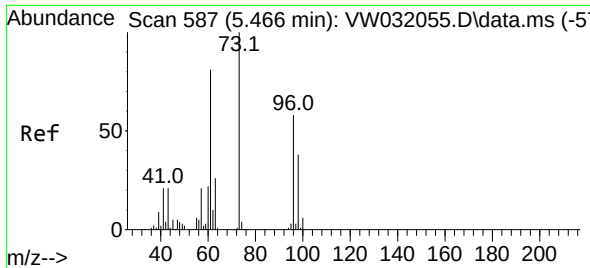
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025



#18
Methyl Acetate
Concen: 50.516 ug/l
RT: 4.710 min Scan# 463
Delta R.T. -0.000 min
Lab File: VW032080.D
Acq: 14 Aug 2025 09:27

Tgt Ion: 43 Resp: 112047
Ion Ratio Lower Upper
43 100
74 25.5 20.6 31.0





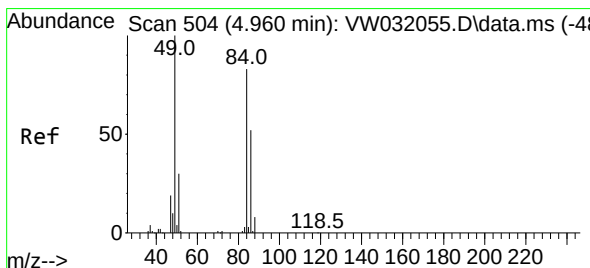
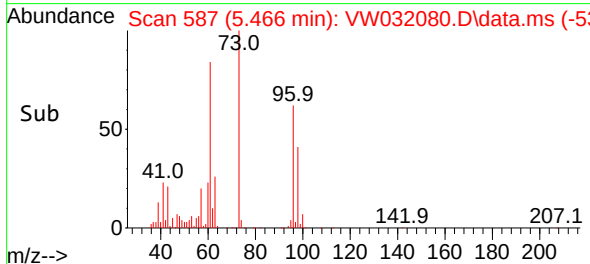
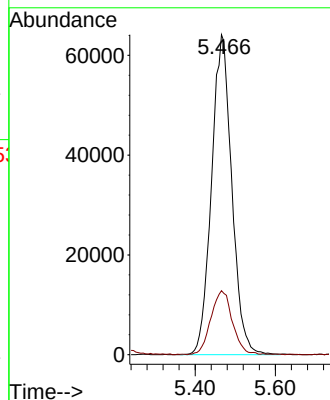
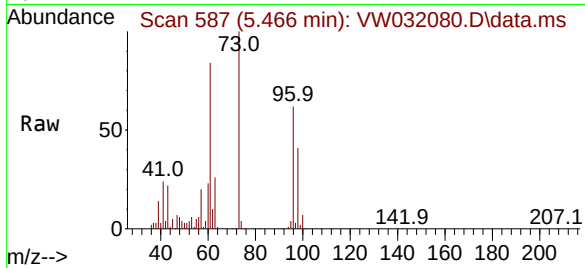
#19
Methyl tert-butyl Ether
Concen: 50.329 ug/l
RT: 5.466 min Scan# 587
Delta R.T. -0.000 min
Lab File: VW032080.D
Acq: 14 Aug 2025 09:27

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion: 73 Resp: 22512
Ion Ratio Lower Upper
73 100
57 19.9 17.2 25.8

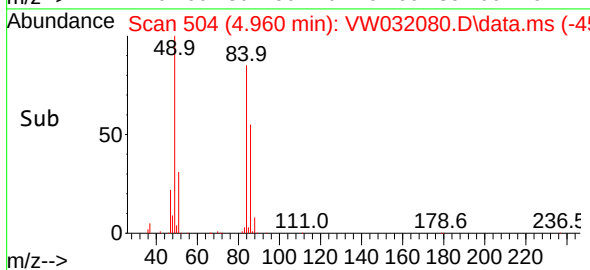
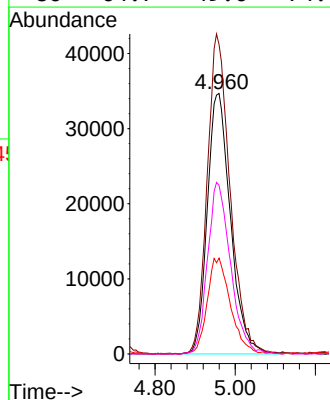
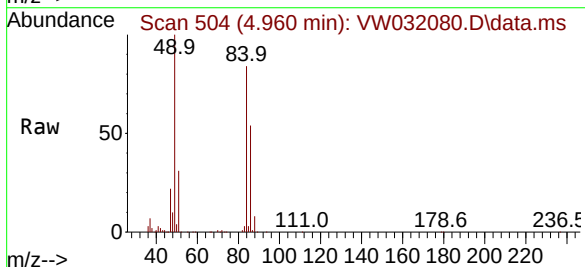
Manual Integrations
APPROVED

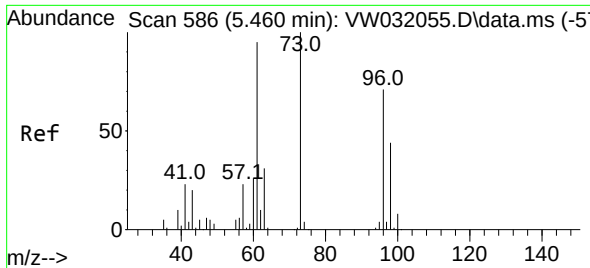
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025



#20
Methylene Chloride
Concen: 42.955 ug/l
RT: 4.960 min Scan# 504
Delta R.T. -0.000 min
Lab File: VW032080.D
Acq: 14 Aug 2025 09:27

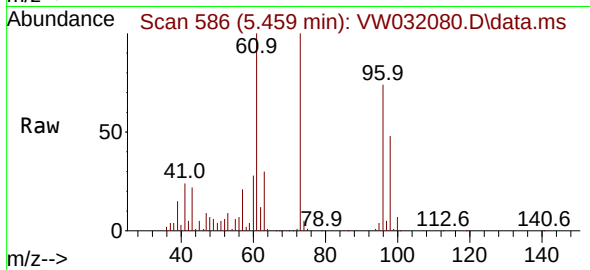
Tgt Ion: 84 Resp: 139212
Ion Ratio Lower Upper
84 100
49 118.8 95.9 143.9
51 36.8 28.6 43.0
86 64.7 49.6 74.4





#21
trans-1,2-Dichloroethene
Concen: 50.080 ug/l
RT: 5.459 min Scan# 586
Delta R.T. -0.000 min
Lab File: VW032080.D
Acq: 14 Aug 2025 09:27

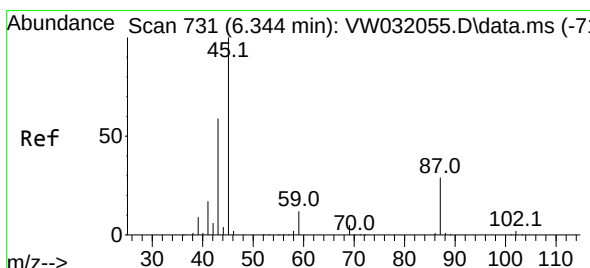
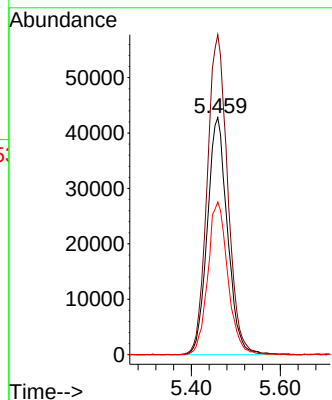
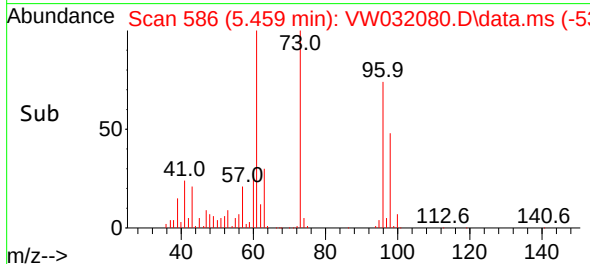
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050



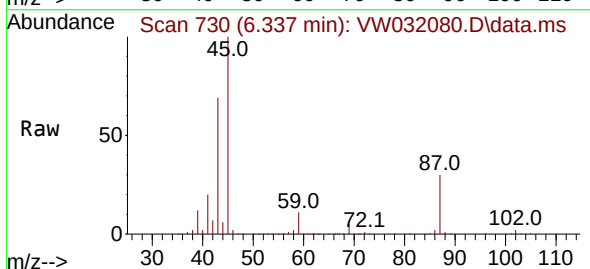
Tgt Ion: 96 Resp: 134920
Ion Ratio Lower Upper
96 100
61 134.8 106.8 160.2
98 64.4 49.6 74.4

Manual Integrations
APPROVED

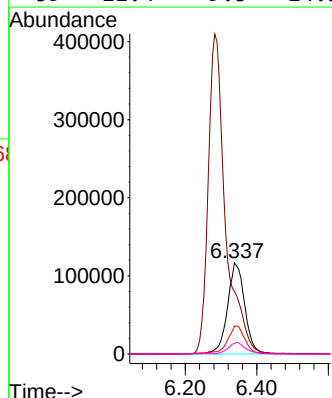
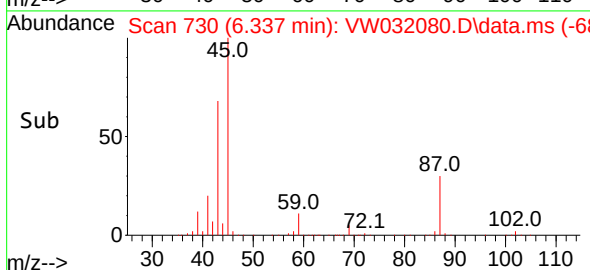
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025

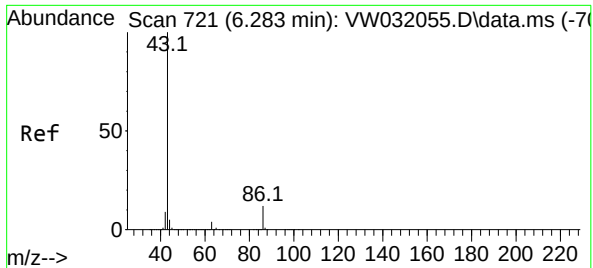


#22
Diisopropyl ether
Concen: 49.971 ug/l
RT: 6.337 min Scan# 730
Delta R.T. -0.006 min
Lab File: VW032080.D
Acq: 14 Aug 2025 09:27



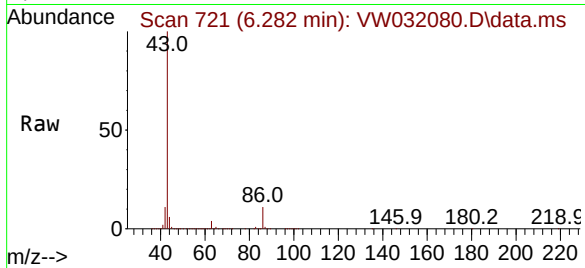
Tgt Ion: 45 Resp: 389232
Ion Ratio Lower Upper
45 100
43 68.5 47.0 70.4
87 30.4 23.8 35.8
59 11.4 9.5 14.3





#23
Vinyl Acetate
Concen: 268.547 ug/l
RT: 6.282 min Scan# 714
Delta R.T. -0.000 min
Lab File: VW032080.D
Acq: 14 Aug 2025 09:27

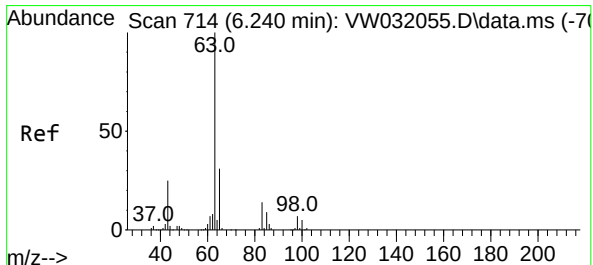
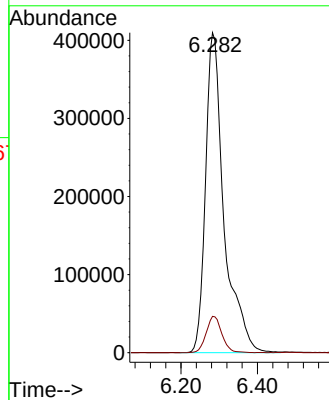
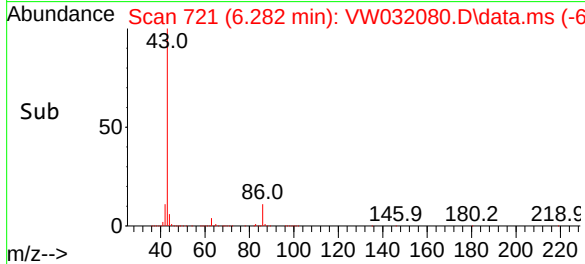
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050



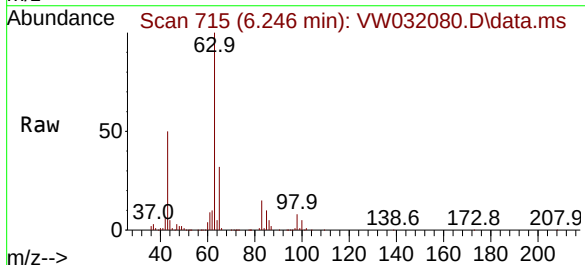
Tgt Ion: 43 Resp: 1373340
Ion Ratio Lower Upper
43 100
86 11.3 9.4 14.0

Manual Integrations
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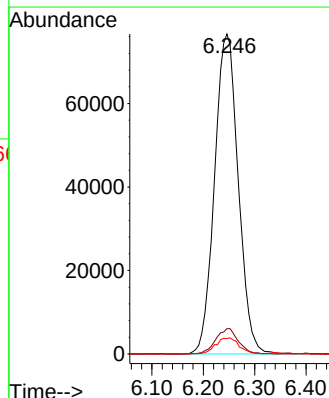
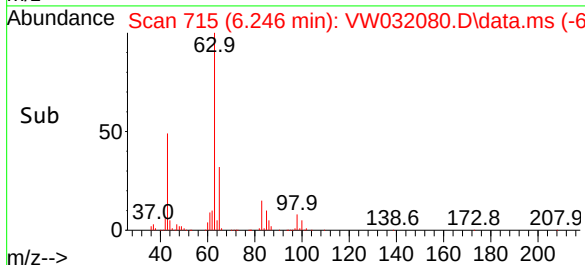
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025

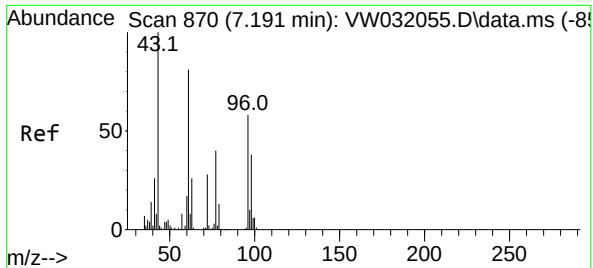


#24
1,1-Dichloroethane
Concen: 49.263 ug/l
RT: 6.246 min Scan# 715
Delta R.T. 0.006 min
Lab File: VW032080.D
Acq: 14 Aug 2025 09:27



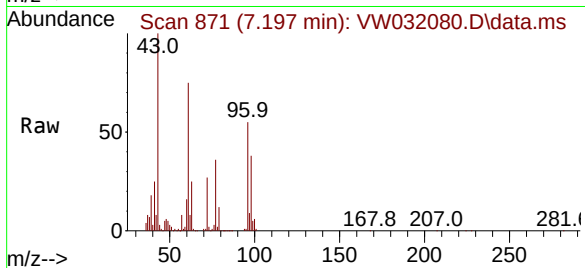
Tgt Ion: 63 Resp: 245164
Ion Ratio Lower Upper
63 100
98 7.9 3.7 11.1
100 4.8 2.5 7.4





#25
2-Butanone
Concen: 271.199 ug/l
RT: 7.197 min Scan# 81
Delta R.T. 0.006 min
Lab File: VW032080.D
Acq: 14 Aug 2025 09:27

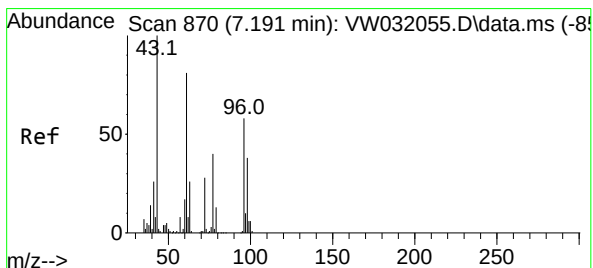
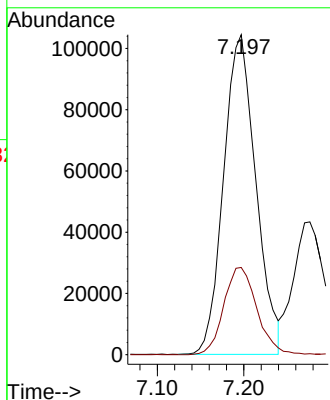
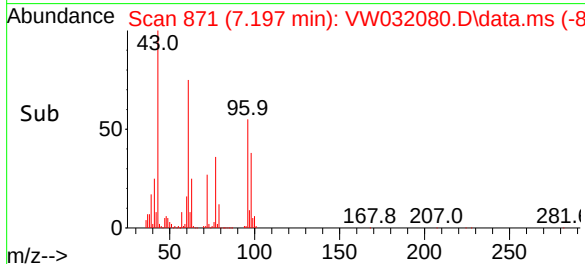
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050



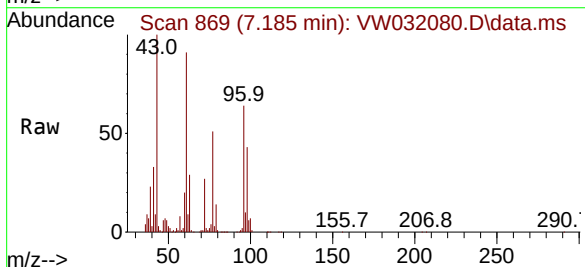
Tgt Ion: 43 Resp: 27017
Ion Ratio Lower Upper
43 100
72 27.3 22.3 33.5

Manual Integrations
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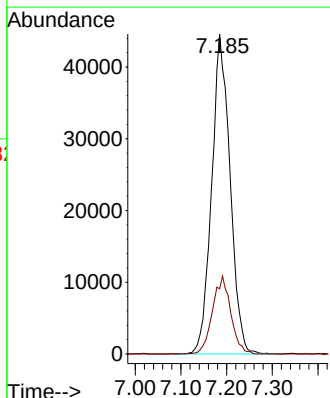
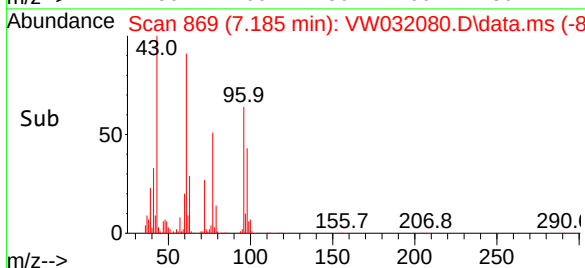
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025

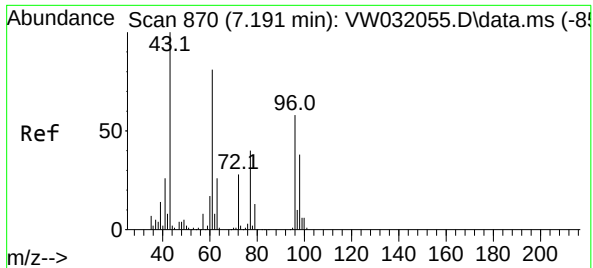


#26
2,2-Dichloropropane
Concen: 49.956 ug/l
RT: 7.185 min Scan# 869
Delta R.T. -0.006 min
Lab File: VW032080.D
Acq: 14 Aug 2025 09:27



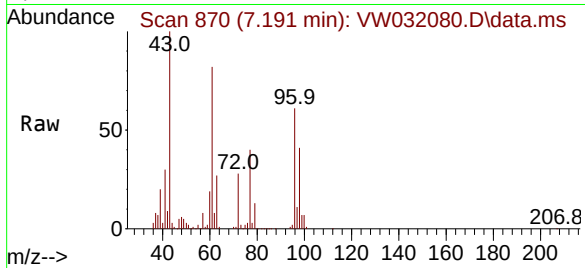
Tgt Ion: 77 Resp: 124724
Ion Ratio Lower Upper
77 100
97 24.2 12.3 36.9





#27
cis-1,2-Dichloroethene
Concen: 51.787 ug/l
RT: 7.191 min Scan# 870
Delta R.T. -0.000 min
Lab File: VW032080.D
Acq: 14 Aug 2025 09:27

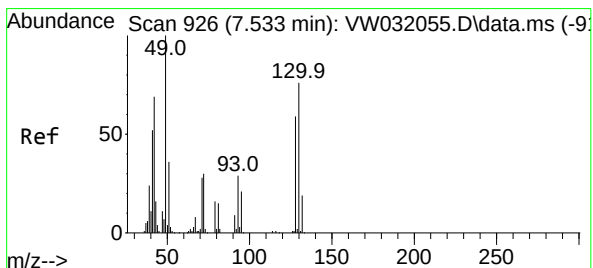
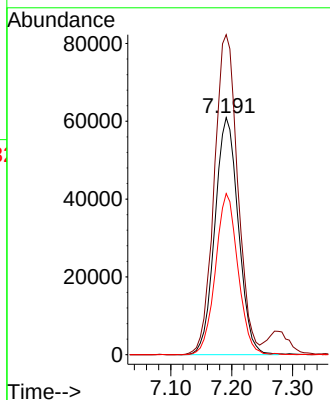
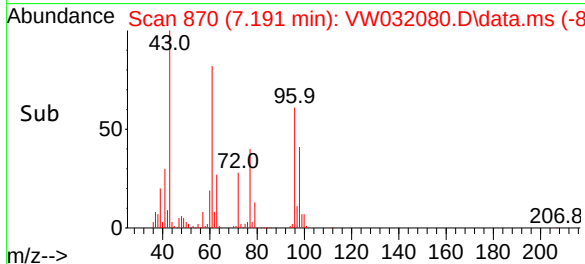
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050



Tgt Ion: 96 Resp: 163080
Ion Ratio Lower Upper
96 100
61 135.4 0.0 281.2
98 65.1 0.0 130.8

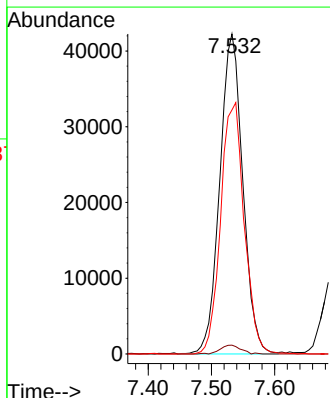
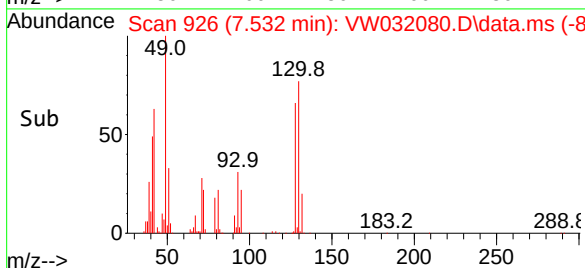
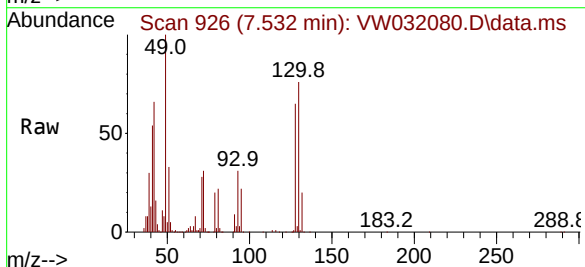
Manual Integrations
APPROVED

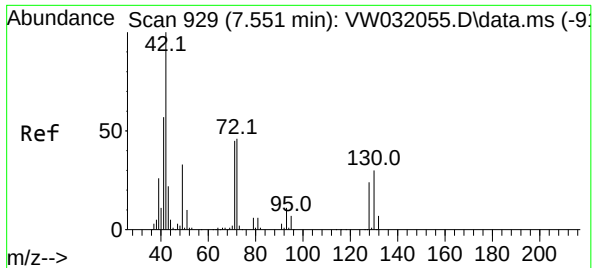
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025



#28
Bromochloromethane
Concen: 47.126 ug/l
RT: 7.532 min Scan# 926
Delta R.T. -0.000 min
Lab File: VW032080.D
Acq: 14 Aug 2025 09:27

Tgt Ion: 49 Resp: 106726
Ion Ratio Lower Upper
49 100
129 2.5 0.0 4.2
130 80.3 61.9 92.9





#29

Tetrahydrofuran

Concen: 261.846 ug/l

RT: 7.557 min Scan# 91

Delta R.T. 0.006 min

Lab File: VW032080.D

Acq: 14 Aug 2025 09:27

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tgt Ion: 42 Resp: 17203

Ion Ratio Lower Upper

42 100

72 45.9 36.6 55.0

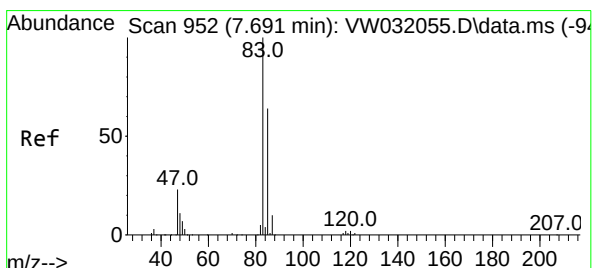
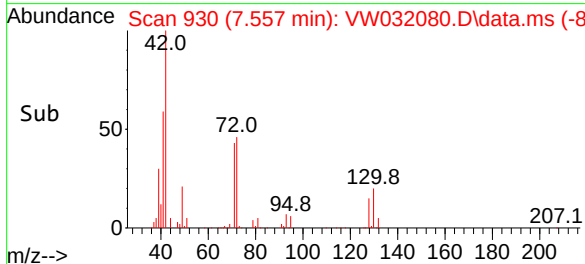
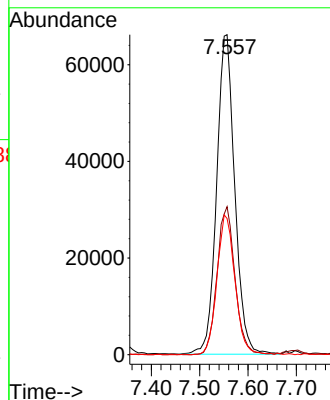
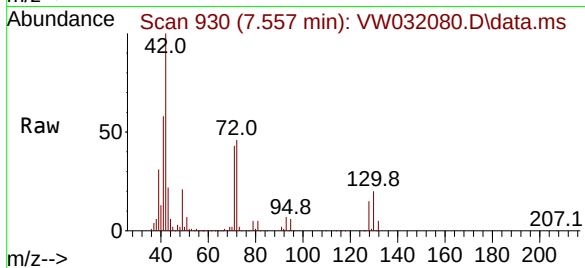
71 43.5 34.7 52.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/19/2025

Supervised By :Mahesh Dadoda 08/19/2025



#30

Chloroform

Concen: 53.058 ug/l

RT: 7.691 min Scan# 952

Delta R.T. -0.000 min

Lab File: VW032080.D

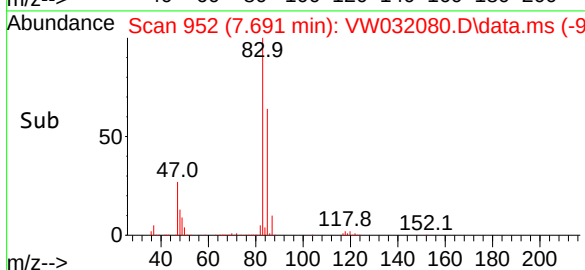
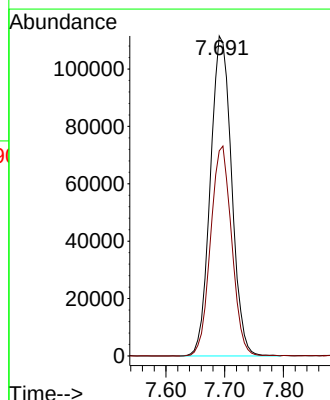
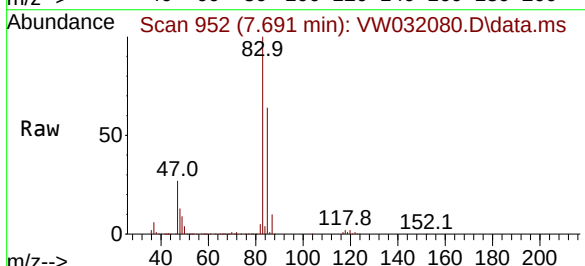
Acq: 14 Aug 2025 09:27

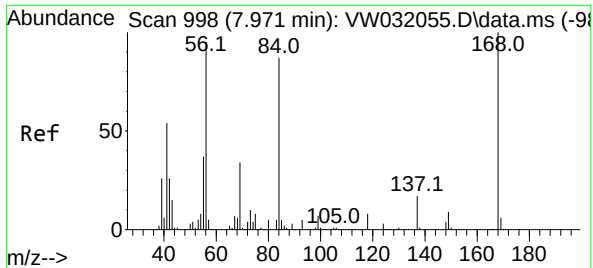
Tgt Ion: 83 Resp: 279930

Ion Ratio Lower Upper

83 100

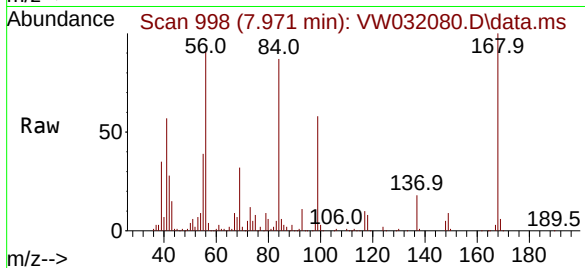
85 64.1 51.0 76.4





#31
Cyclohexane
Concen: 45.011 ug/l
RT: 7.971 min Scan# 998
Delta R.T. -0.000 min
Lab File: VW032080.D
Acq: 14 Aug 2025 09:27

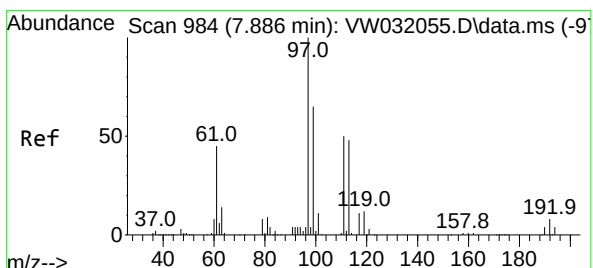
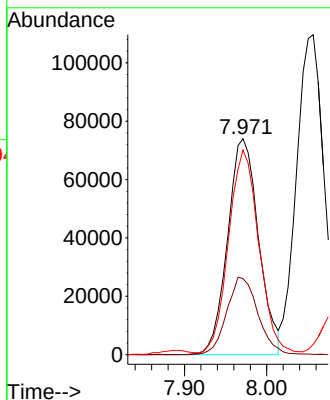
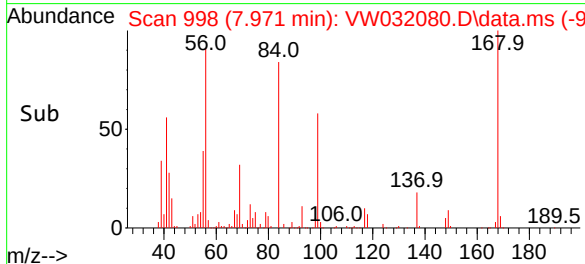
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050



Tgt Ion: 56 Resp: 19420
Ion Ratio Lower Upper
56 100
69 35.1 28.6 42.8
84 92.7 73.0 109.4

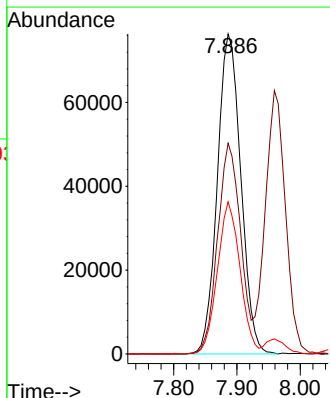
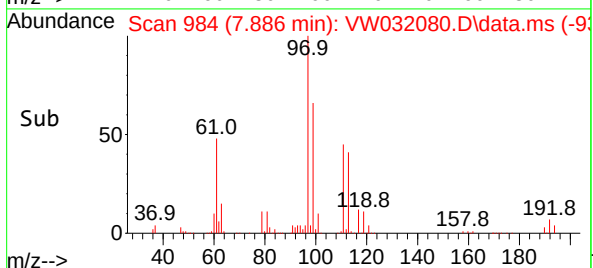
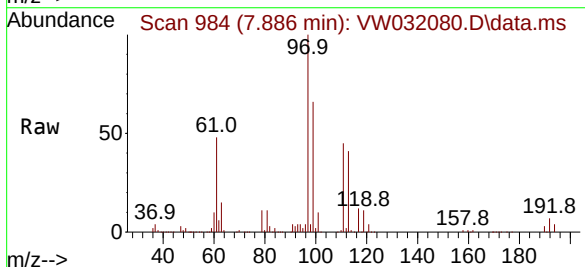
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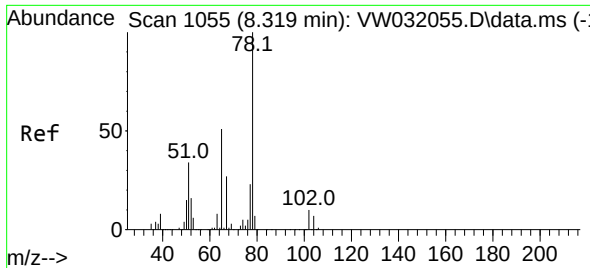
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025



#32
1,1,1-Trichloroethane
Concen: 51.378 ug/l
RT: 7.886 min Scan# 984
Delta R.T. -0.000 min
Lab File: VW032080.D
Acq: 14 Aug 2025 09:27

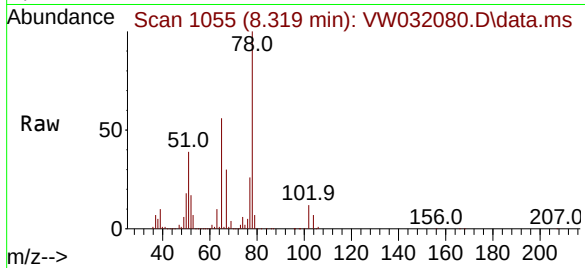
Tgt Ion: 97 Resp: 196892
Ion Ratio Lower Upper
97 100
99 64.0 51.8 77.8
61 45.9 35.9 53.9





#33
1,2-Dichloroethane-d4
Concen: 50.347 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VW032080.D
Acq: 14 Aug 2025 09:27

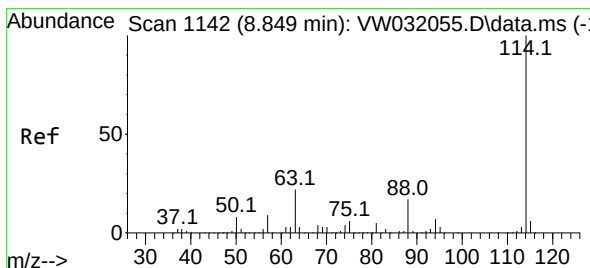
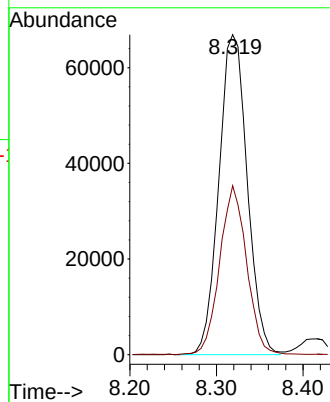
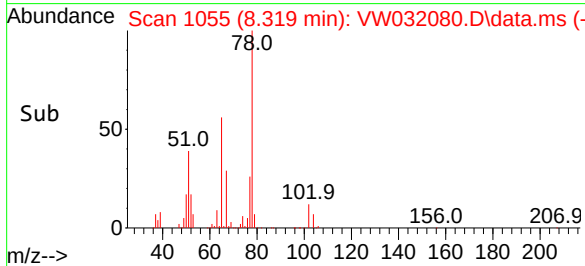
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050



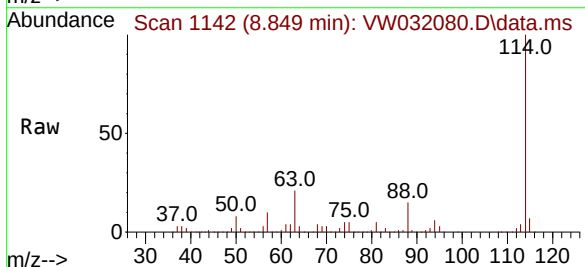
Tgt Ion: 65 Resp: 152420
Ion Ratio Lower Upper
65 100
67 50.2 0.0 102.4

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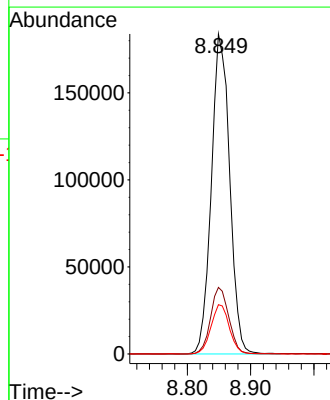
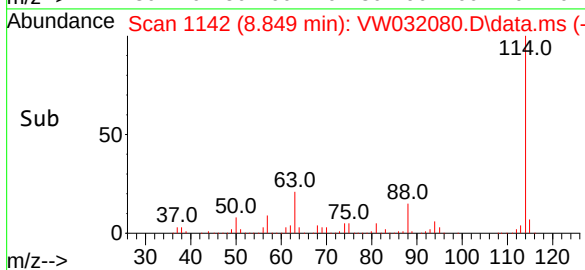
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025

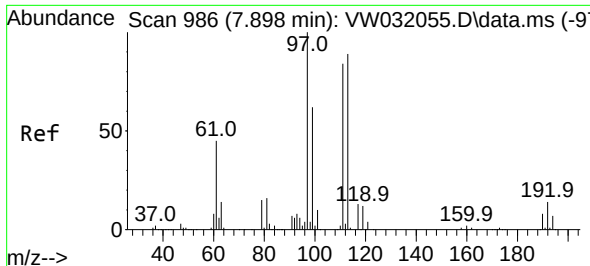


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 1142
Delta R.T. -0.000 min
Lab File: VW032080.D
Acq: 14 Aug 2025 09:27



Tgt Ion:114 Resp: 369087
Ion Ratio Lower Upper
114 100
63 20.8 0.0 43.0
88 15.4 0.0 33.8





#35

Dibromofluoromethane

Concen: 53.483 ug/l

RT: 7.904 min Scan# 9

Delta R.T. 0.006 min

Lab File: VW032080.D

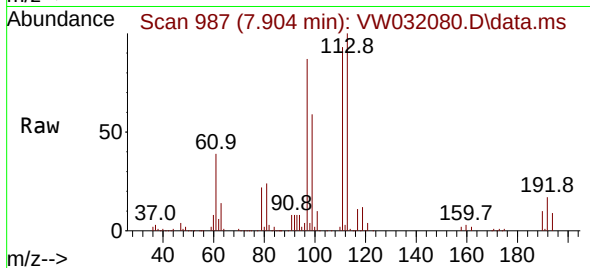
Acq: 14 Aug 2025 09:27

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050



Tgt Ion:113 Resp: 127528

Ion Ratio Lower Upper

113 100

111 102.5 80.1 120.1

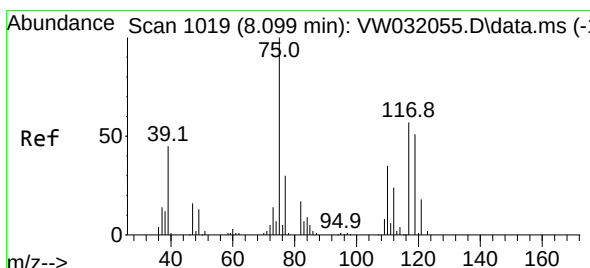
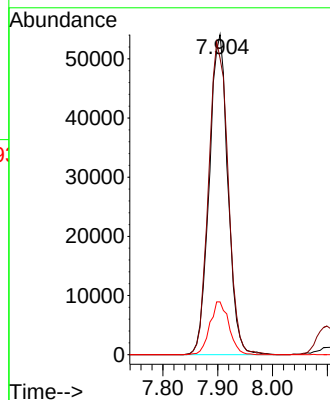
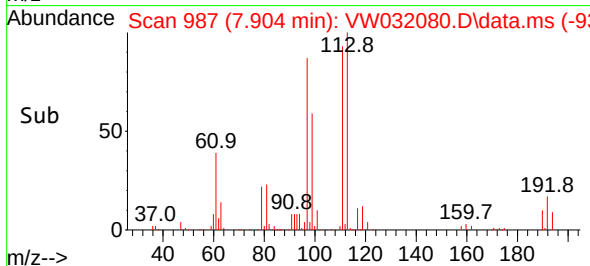
192 16.9 13.1 19.7

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 08/19/2025

Supervised By :Mahesh Dadoda 08/19/2025



#36

1,1-Dichloropropene

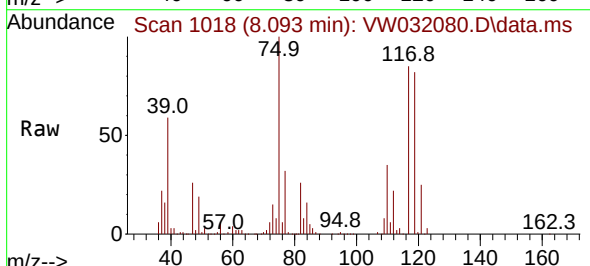
Concen: 53.016 ug/l

RT: 8.093 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VW032080.D

Acq: 14 Aug 2025 09:27



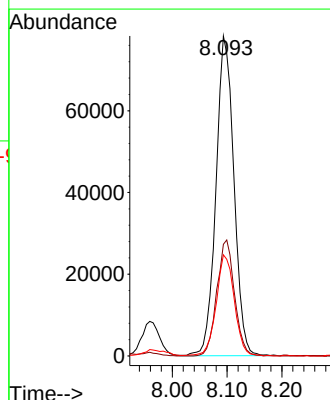
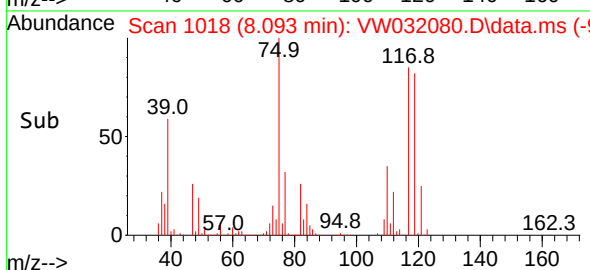
Tgt Ion: 75 Resp: 178210

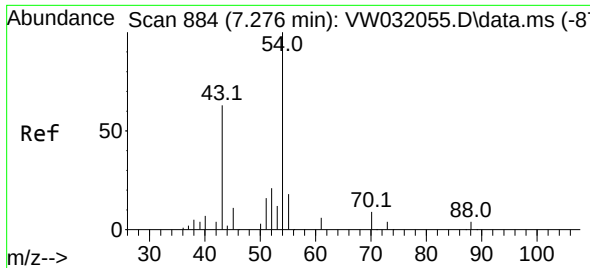
Ion Ratio Lower Upper

75 100

110 35.8 17.4 52.2

77 32.1 24.7 37.1





#37

Ethyl Acetate

Concen: 58.145 ug/l

RT: 7.276 min Scan# 884

Delta R.T. -0.000 min

Lab File: VW032080.D

Acq: 14 Aug 2025 09:27

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 11511

Ion Ratio Lower Upper

43 100

61 13.0 11.8 17.6

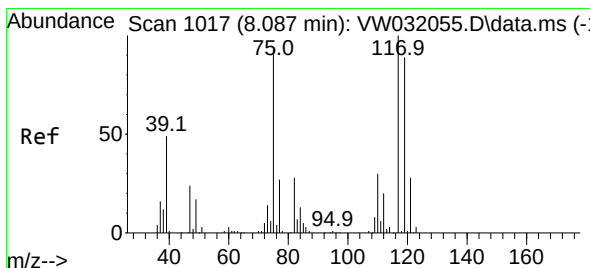
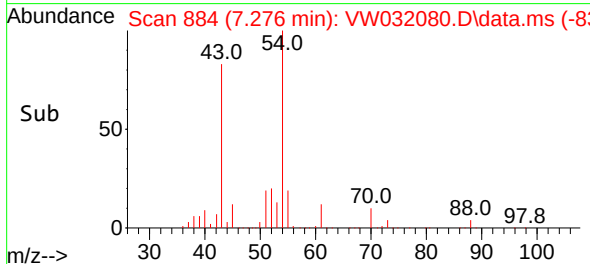
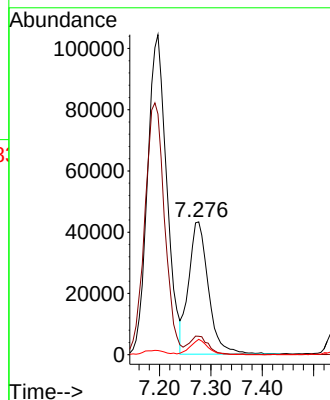
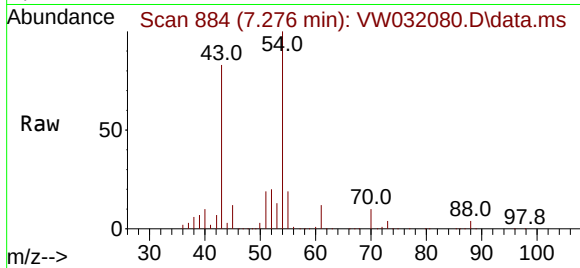
70 10.4 9.4 14.0

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 08/19/2025

Supervised By :Mahesh Dadoda 08/19/2025



#38

Carbon Tetrachloride

Concen: 58.281 ug/l

RT: 8.081 min Scan# 1016

Delta R.T. -0.006 min

Lab File: VW032080.D

Acq: 14 Aug 2025 09:27

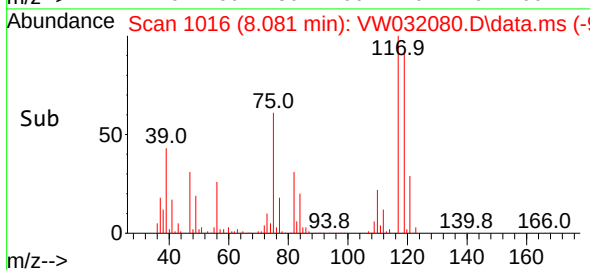
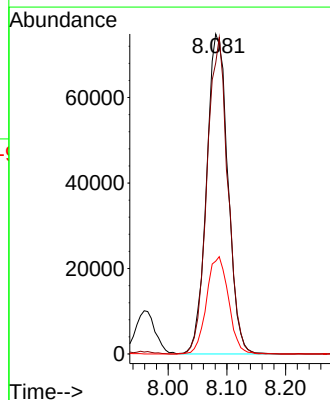
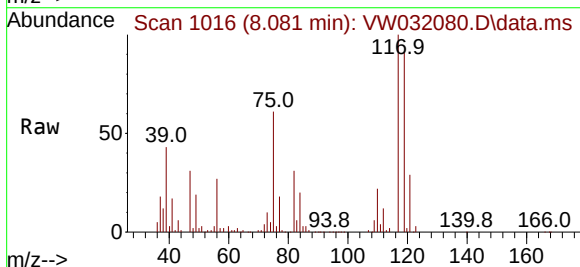
Tgt Ion:117 Resp: 189059

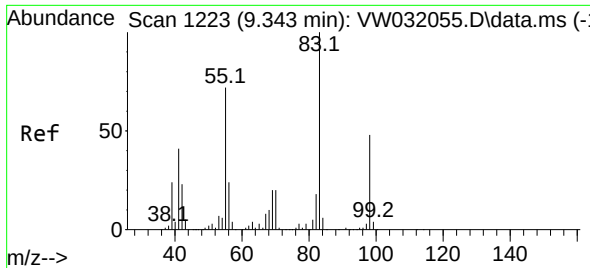
Ion Ratio Lower Upper

117 100

119 90.9 71.4 107.2

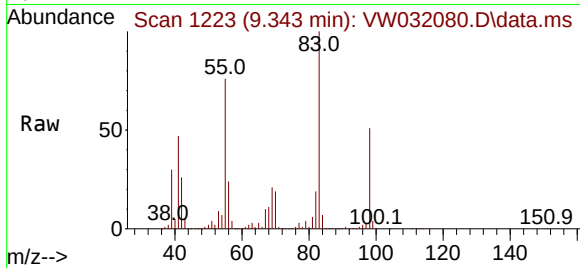
121 29.0 22.3 33.5





#39
Methylcyclohexane
Concen: 52.018 ug/l
RT: 9.343 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW032080.D
Acq: 14 Aug 2025 09:27

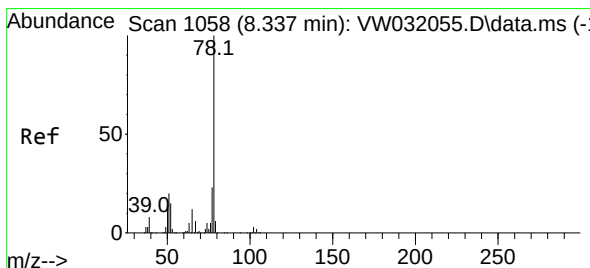
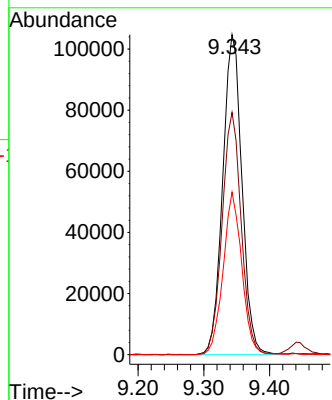
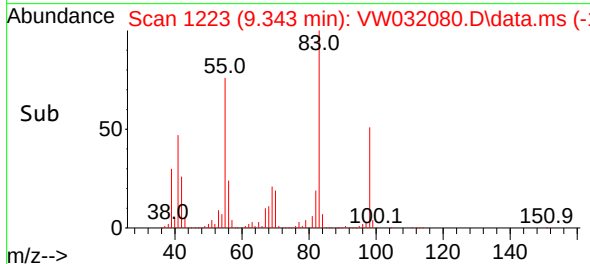
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050



Tgt Ion: 83 Resp: 21312
Ion Ratio Lower Upper
83 100
55 75.6 57.9 86.9
98 50.8 38.3 57.5

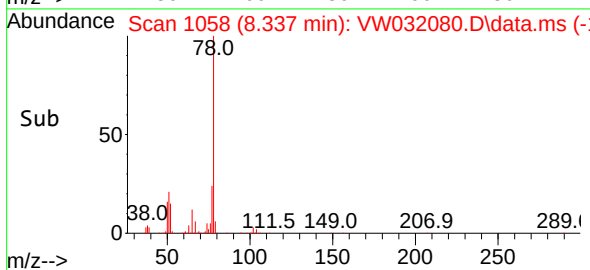
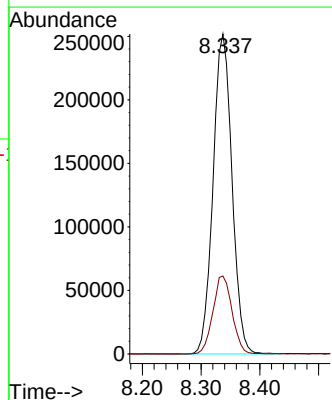
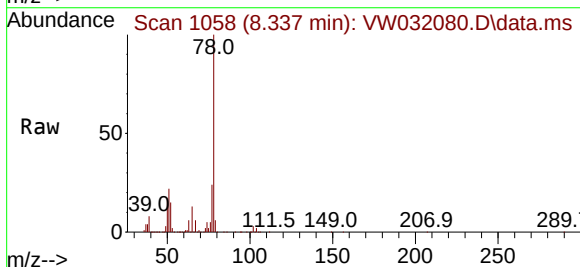
Manual Integrations
APPROVED

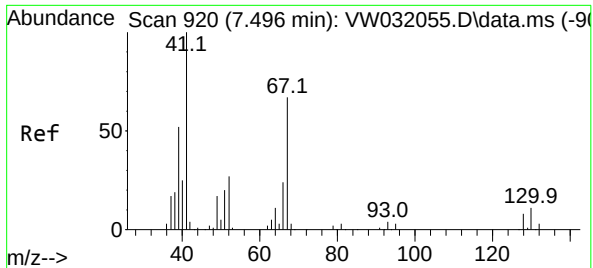
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025



#40
Benzene
Concen: 53.892 ug/l
RT: 8.337 min Scan# 1058
Delta R.T. -0.000 min
Lab File: VW032080.D
Acq: 14 Aug 2025 09:27

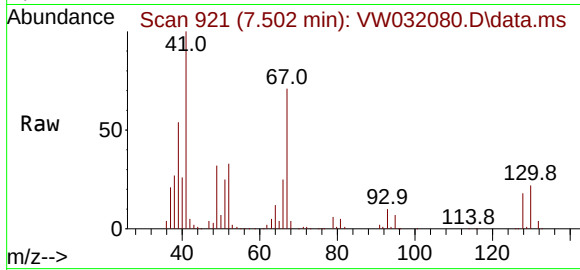
Tgt Ion: 78 Resp: 563104
Ion Ratio Lower Upper
78 100
77 24.4 18.4 27.6





#41
Methacrylonitrile
Concen: 54.674 ug/l m
RT: 7.502 min Scan# 91
Delta R.T. 0.006 min
Lab File: VW032080.D
Acq: 14 Aug 2025 09:27

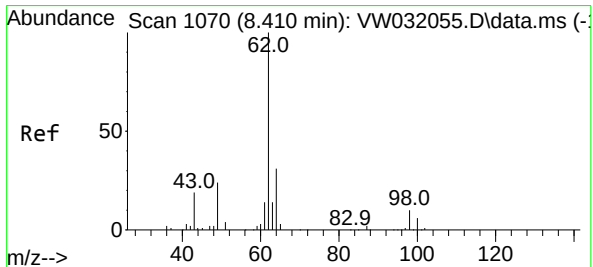
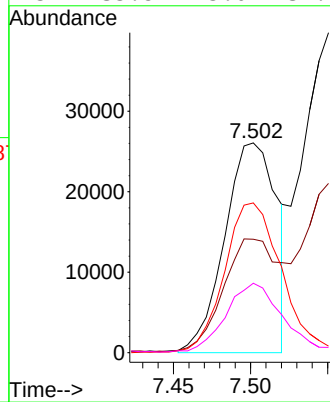
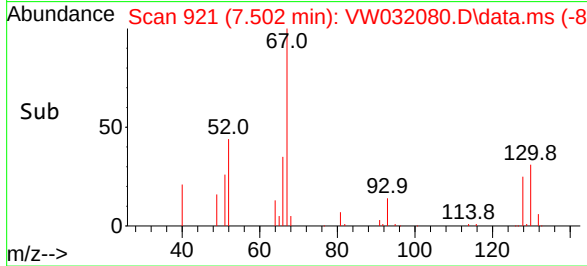
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050



Tgt Ion: 41 Resp: 6138
Ion Ratio Lower Upper
41 100
39 62.7 42.6 63.8
67 78.6 61.0 91.4
52 35.8 25.0 37.4

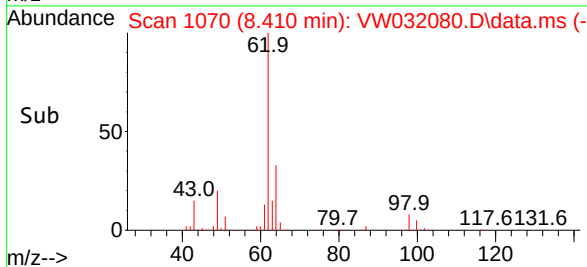
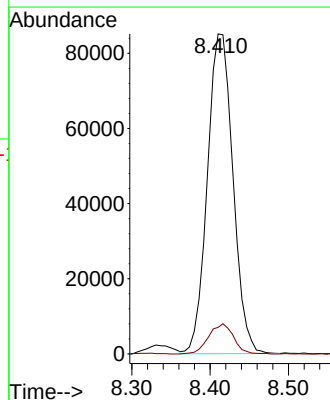
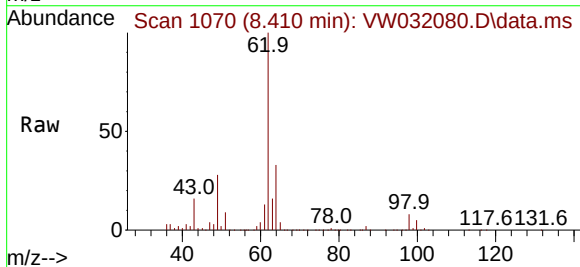
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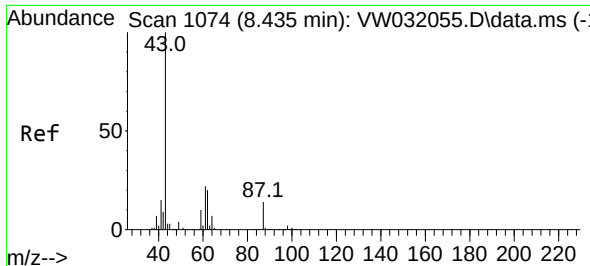
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025



#42
1,2-Dichloroethane
Concen: 57.820 ug/l
RT: 8.410 min Scan# 1070
Delta R.T. -0.000 min
Lab File: VW032080.D
Acq: 14 Aug 2025 09:27

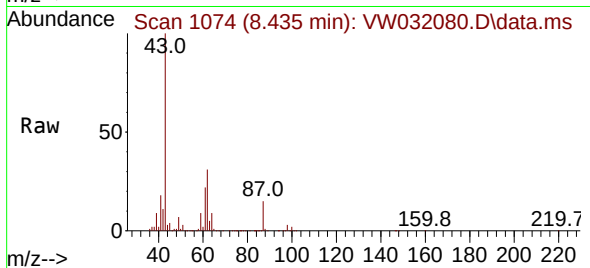
Tgt Ion: 62 Resp: 193320
Ion Ratio Lower Upper
62 100
98 9.2 0.0 19.8





#43
Isopropyl Acetate
Concen: 57.148 ug/l
RT: 8.435 min Scan# 1074
Delta R.T. -0.000 min
Lab File: VW032080.D
Acq: 14 Aug 2025 09:27

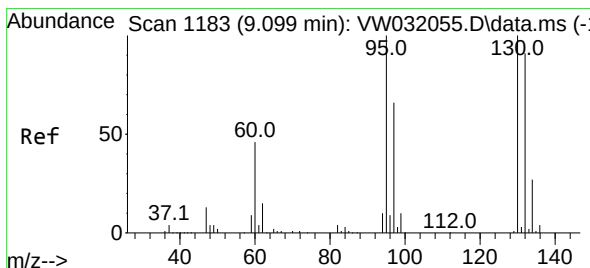
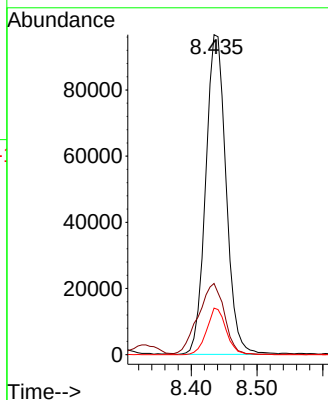
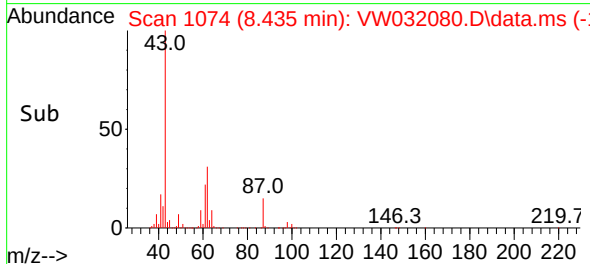
Instrument :
MSVOA_W
ClientSampleId :
VSTDC050



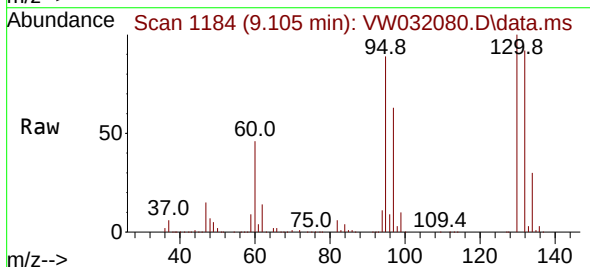
Tgt Ion: 43 Resp: 208154
Ion Ratio Lower Upper
43 100
61 28.3 23.8 35.8
87 14.0 11.7 17.5

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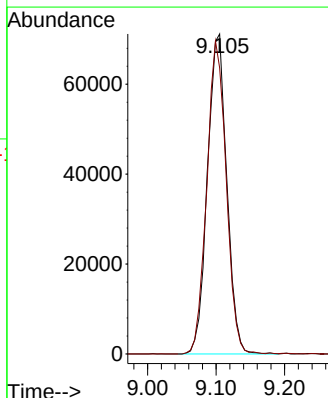
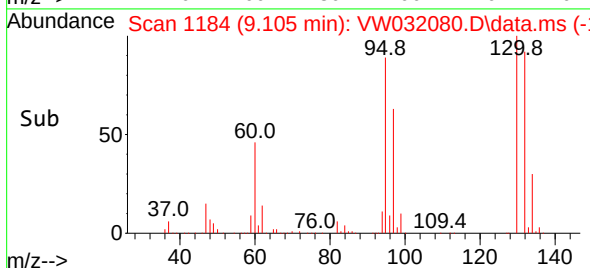
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025

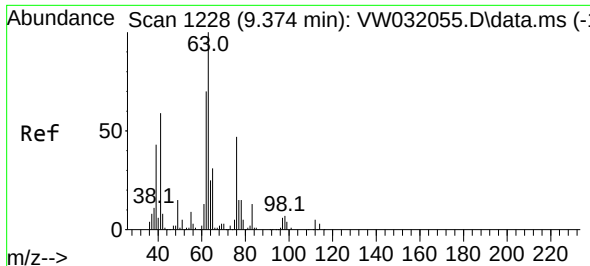


#44
Trichloroethene
Concen: 56.237 ug/l
RT: 9.105 min Scan# 1184
Delta R.T. 0.006 min
Lab File: VW032080.D
Acq: 14 Aug 2025 09:27



Tgt Ion:130 Resp: 139933
Ion Ratio Lower Upper
130 100
95 89.4 0.0 200.6





#45

1,2-Dichloropropane

Concen: 53.705 ug/l

RT: 9.373 min Scan# 1228

Delta R.T. -0.000 min

Lab File: VW032080.D

Acq: 14 Aug 2025 09:27

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tgt Ion: 63 Resp: 13556

Ion Ratio Lower Upper

63 100

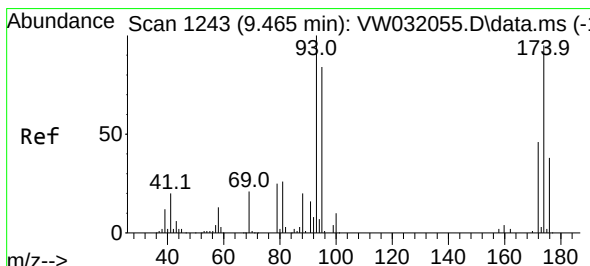
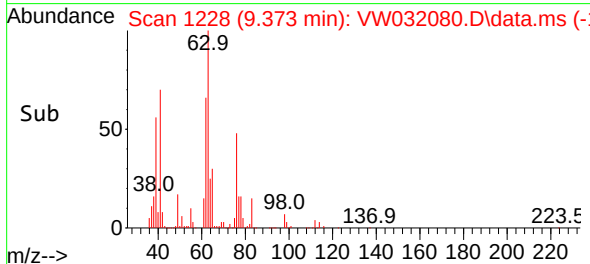
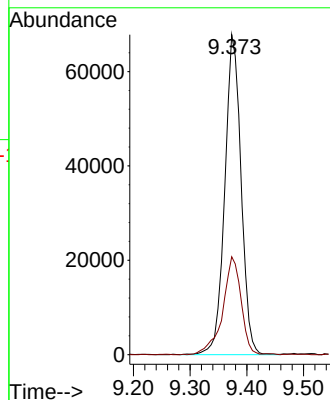
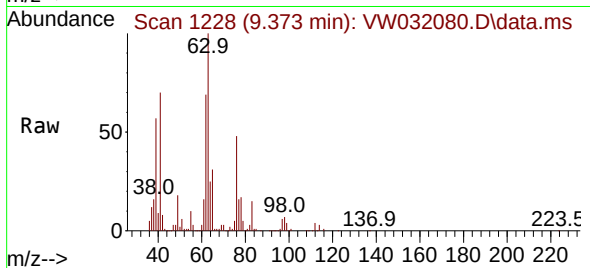
65 30.6 24.6 36.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/19/2025

Supervised By :Mahesh Dadoda 08/19/2025



#46

Dibromomethane

Concen: 58.920 ug/l

RT: 9.465 min Scan# 1243

Delta R.T. -0.000 min

Lab File: VW032080.D

Acq: 14 Aug 2025 09:27

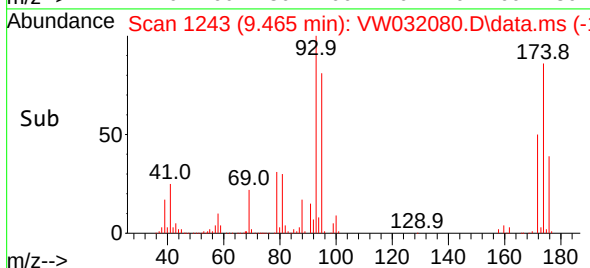
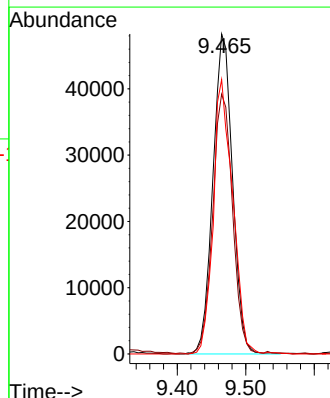
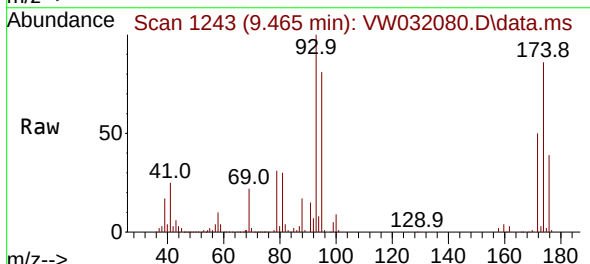
Tgt Ion: 93 Resp: 95991

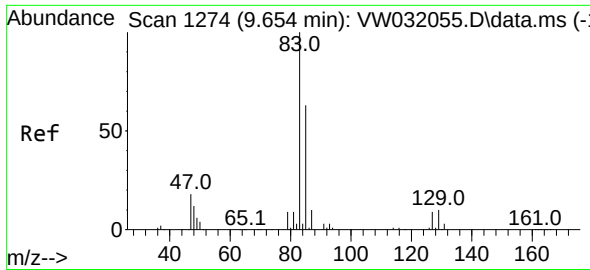
Ion Ratio Lower Upper

93 100

95 82.1 65.3 97.9

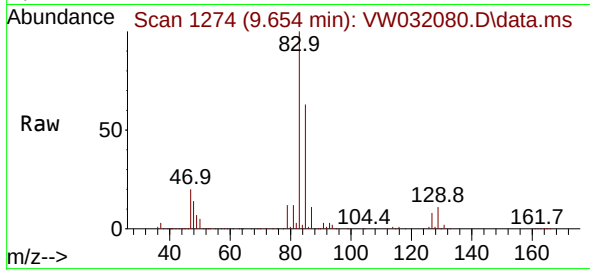
174 84.8 68.6 102.8





#47
Bromodichloromethane
Concen: 57.226 ug/l
RT: 9.654 min Scan# 1274
Delta R.T. -0.000 min
Lab File: VW032080.D
Acq: 14 Aug 2025 09:27

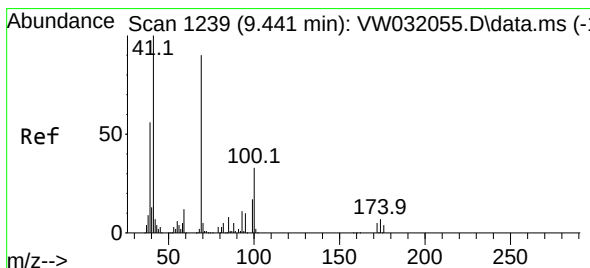
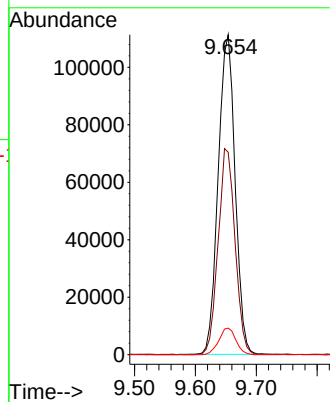
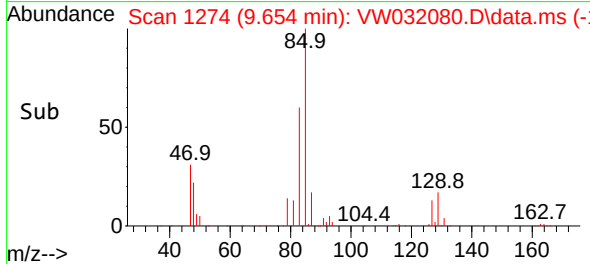
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050



Tgt Ion: 83 Resp: 21483
Ion Ratio Lower Upper
83 100
85 63.2 50.6 75.8
127 8.3 6.9 10.3

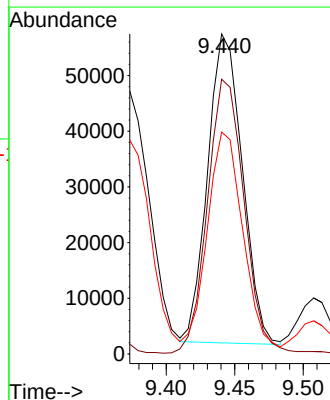
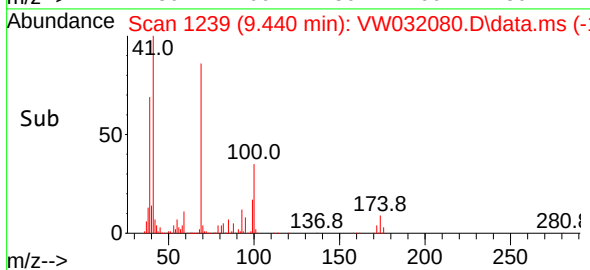
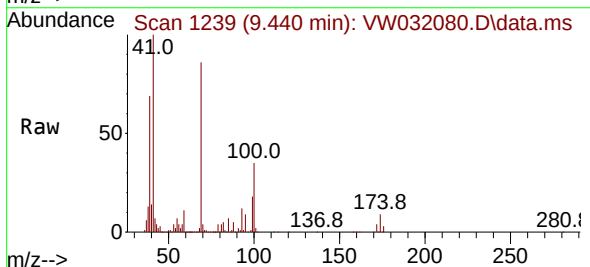
Manual Integrations
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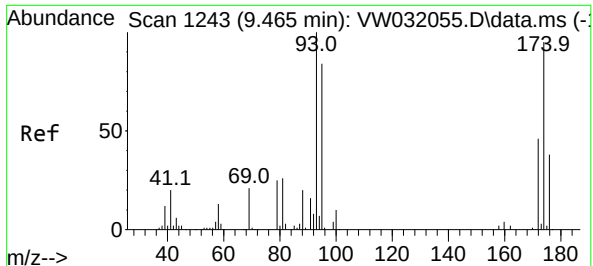
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025



#48
Methyl methacrylate
Concen: 55.521 ug/l
RT: 9.440 min Scan# 1239
Delta R.T. -0.000 min
Lab File: VW032080.D
Acq: 14 Aug 2025 09:27

Tgt Ion: 41 Resp: 97630
Ion Ratio Lower Upper
41 100
69 94.2 73.0 109.6
39 74.6 45.0 67.4#





#49

1,4-Dioxane

Concen: 1132.752 ug/l

RT: 9.465 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW032080.D

Acq: 14 Aug 2025 09:27

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tgt Ion: 88 Resp: 2386

Ion Ratio Lower Upper

88 100

43 24.1 20.6 30.8

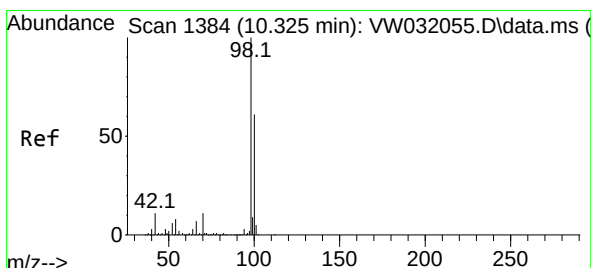
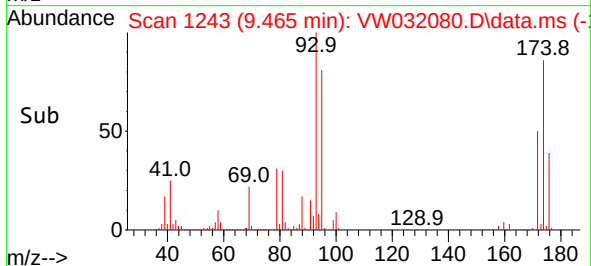
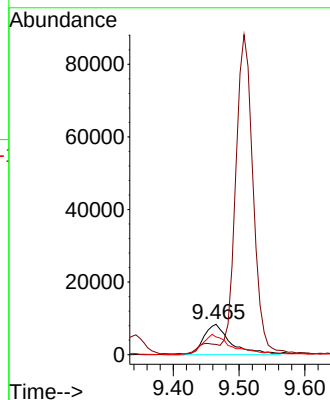
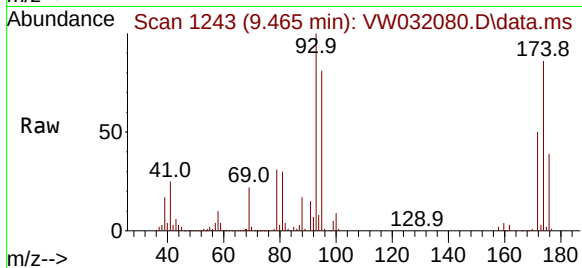
58 74.5 60.4 90.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/19/2025

Supervised By :Mahesh Dadoda 08/19/2025



#50

Toluene-d8

Concen: 51.355 ug/l

RT: 10.324 min Scan# 1384

Delta R.T. -0.000 min

Lab File: VW032080.D

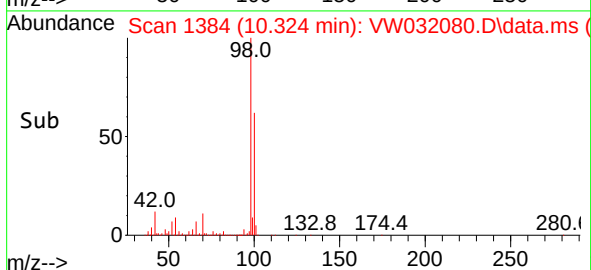
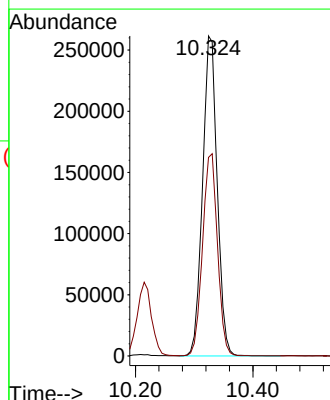
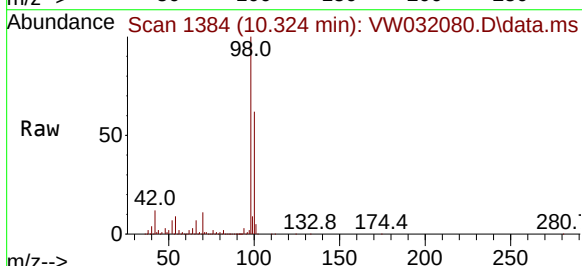
Acq: 14 Aug 2025 09:27

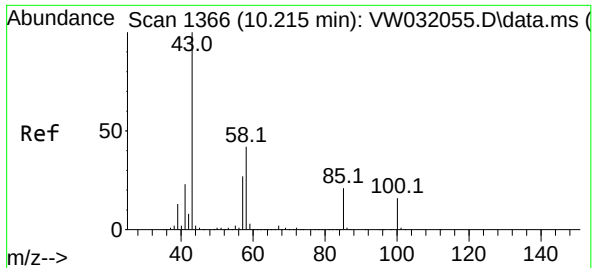
Tgt Ion: 98 Resp: 452920

Ion Ratio Lower Upper

98 100

100 64.5 51.1 76.7





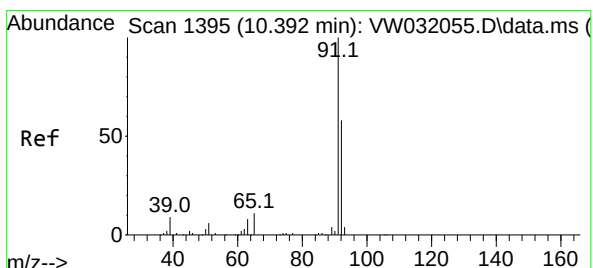
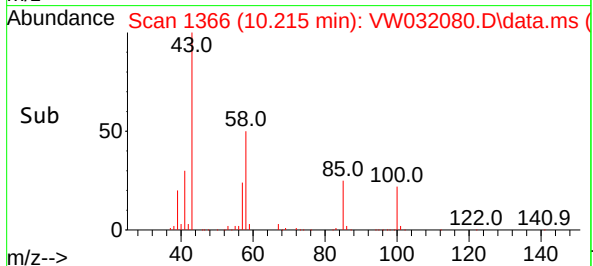
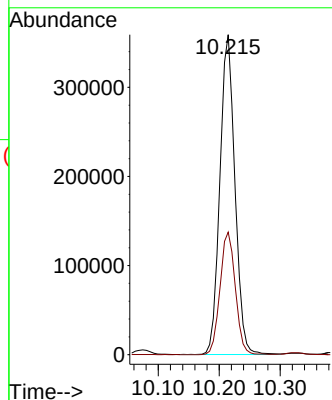
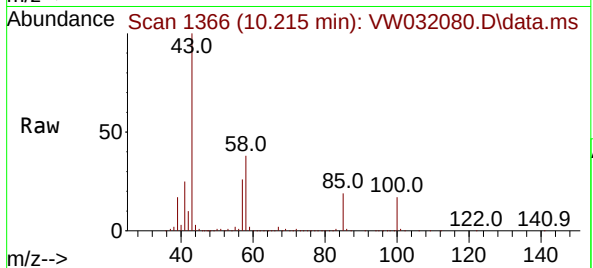
#51
4-Methyl-2-Pentanone
Concen: 298.600 ug/l
RT: 10.215 min Scan# 1366
Delta R.T. -0.000 min
Lab File: VW032080.D
Acq: 14 Aug 2025 09:27

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 61388
Ion Ratio Lower Upper
43 100
58 39.1 33.1 49.7

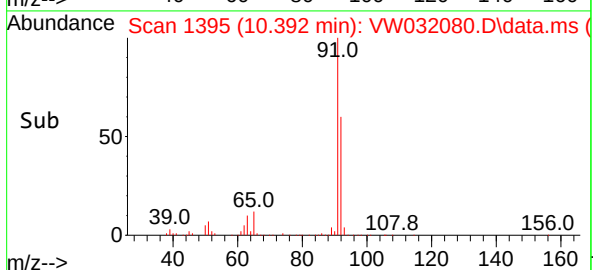
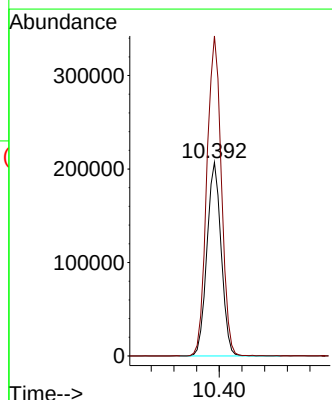
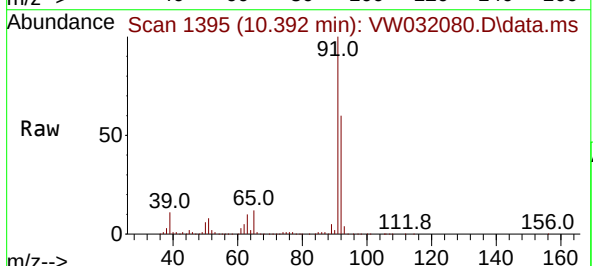
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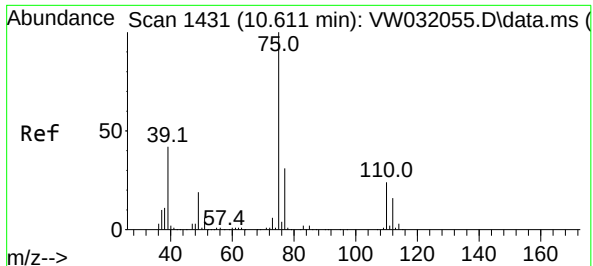
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025



#52
Toluene
Concen: 54.839 ug/l
RT: 10.392 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VW032080.D
Acq: 14 Aug 2025 09:27

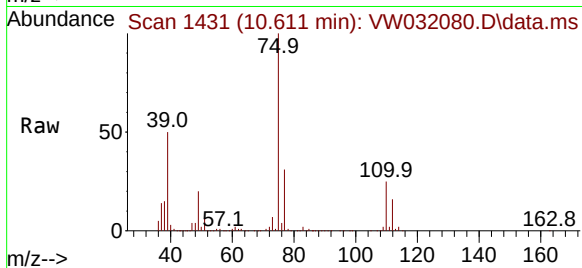
Tgt Ion: 92 Resp: 360912
Ion Ratio Lower Upper
92 100
91 168.5 136.3 204.5





#53
t-1,3-Dichloropropene
Concen: 55.768 ug/l
RT: 10.611 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VW032080.D
Acq: 14 Aug 2025 09:27

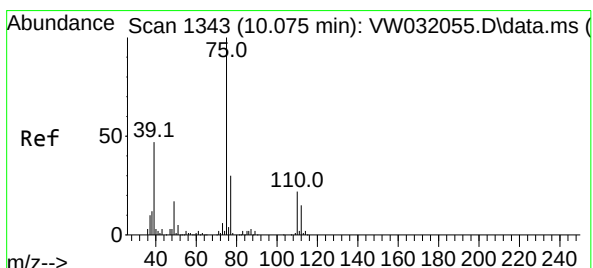
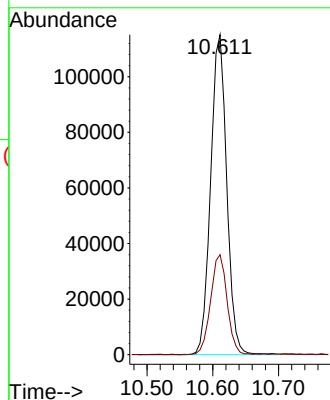
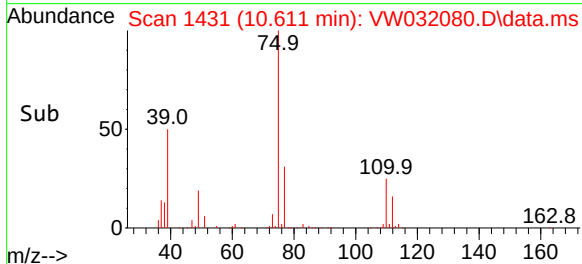
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050



Tgt Ion: 75 Resp: 19614
Ion Ratio Lower Upper
75 100
77 31.3 25.0 37.6

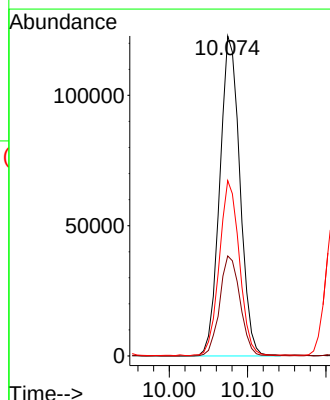
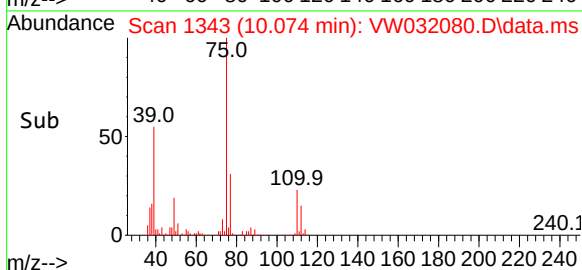
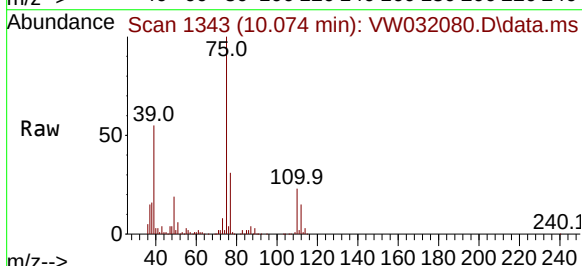
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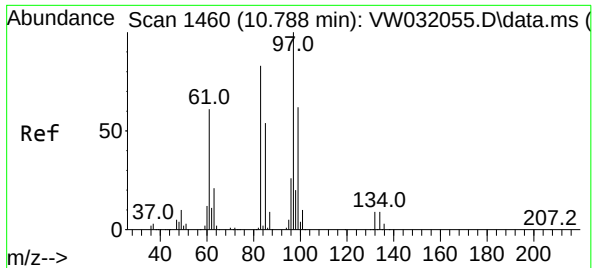
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025



#54
cis-1,3-Dichloropropene
Concen: 54.997 ug/l
RT: 10.074 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VW032080.D
Acq: 14 Aug 2025 09:27

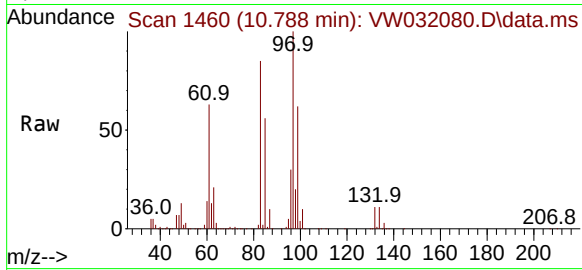
Tgt Ion: 75 Resp: 219444
Ion Ratio Lower Upper
75 100
77 31.3 24.0 36.0
39 54.5 37.8 56.8





#55
1,1,2-Trichloroethane
Concen: 56.613 ug/l
RT: 10.788 min Scan# 1460
Delta R.T. -0.000 min
Lab File: VW032080.D
Acq: 14 Aug 2025 09:27

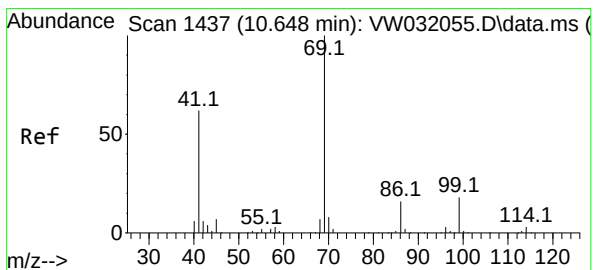
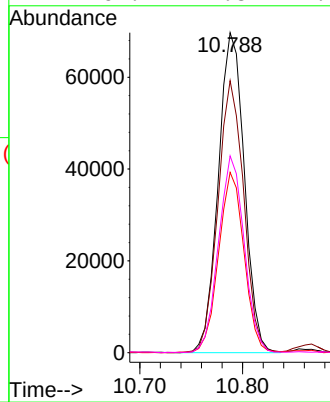
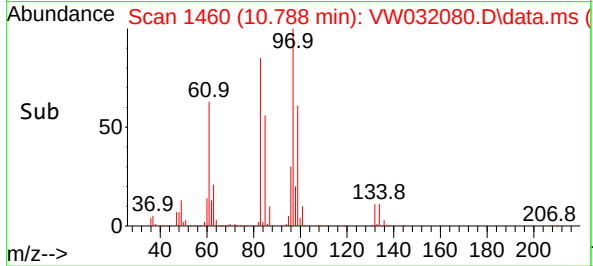
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050



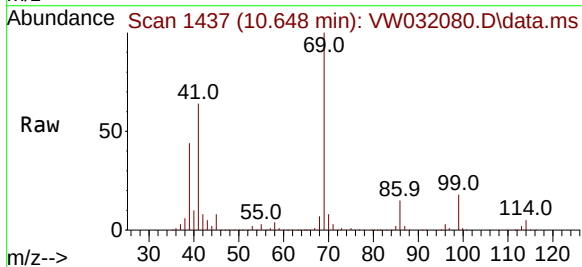
Tgt Ion: 97 Resp: 12256
Ion Ratio Lower Upper
97 100
83 85.0 66.4 99.6
85 56.1 43.1 64.7
99 61.4 49.8 74.6

Manual Integrations
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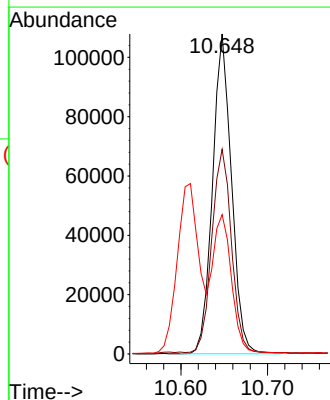
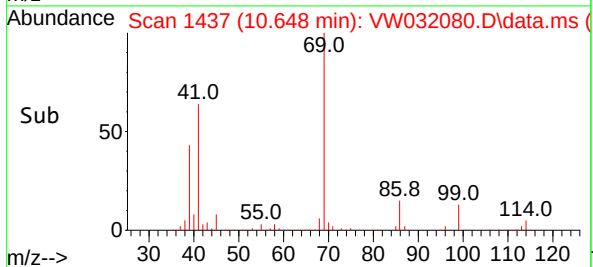
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025

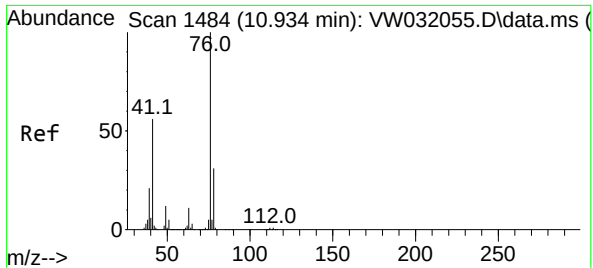


#56
Ethyl methacrylate
Concen: 56.621 ug/l
RT: 10.648 min Scan# 1437
Delta R.T. -0.000 min
Lab File: VW032080.D
Acq: 14 Aug 2025 09:27



Tgt Ion: 69 Resp: 164035
Ion Ratio Lower Upper
69 100
41 66.3 51.2 76.8
39 43.0 25.4 38.0#





#57

1,3-Dichloropropane

Concen: 54.740 ug/l

RT: 10.934 min Scan# 1484

Delta R.T. -0.000 min

Lab File: VW032080.D

Acq: 14 Aug 2025 09:27

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tgt Ion: 76 Resp: 206568

Ion Ratio Lower Upper

76 100

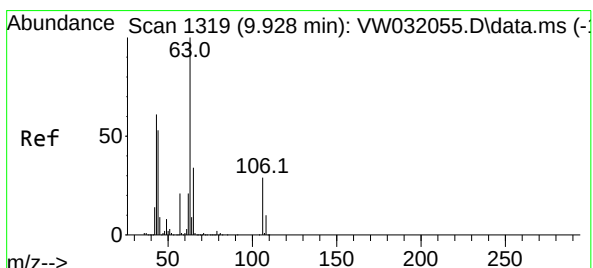
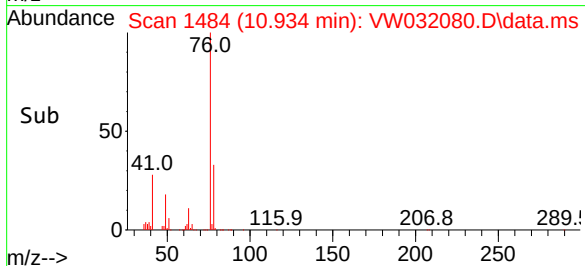
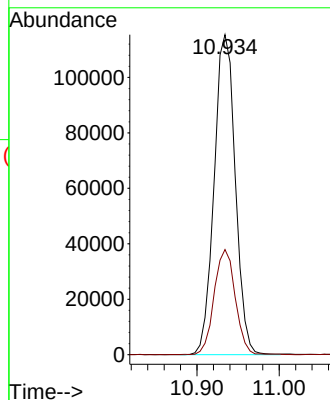
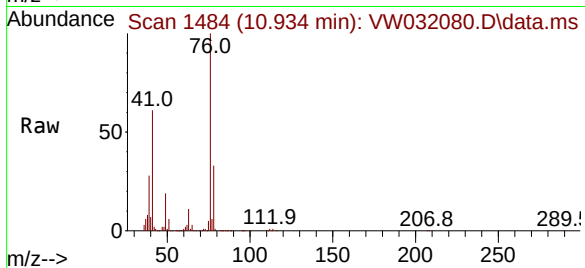
78 32.9 25.8 38.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/19/2025

Supervised By :Mahesh Dadoda 08/19/2025



#58

2-Chloroethyl Vinyl ether

Concen: 256.070 ug/l

RT: 9.928 min Scan# 1319

Delta R.T. -0.000 min

Lab File: VW032080.D

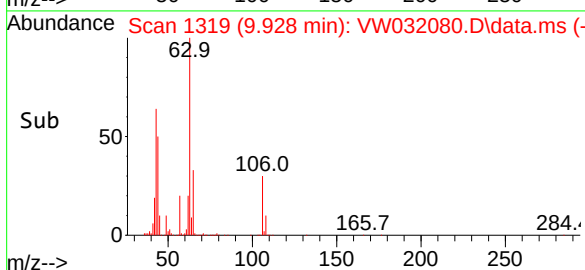
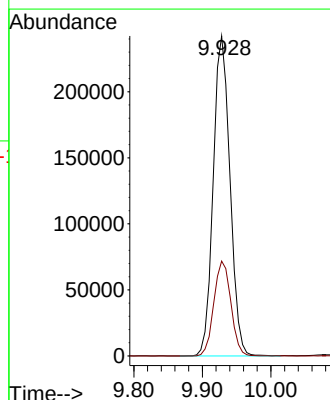
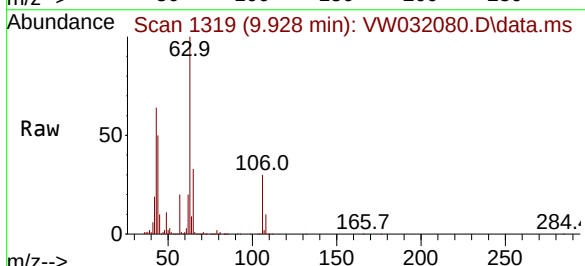
Acq: 14 Aug 2025 09:27

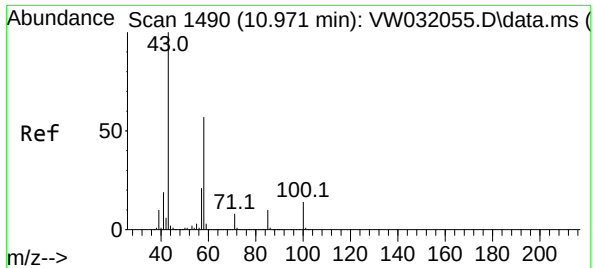
Tgt Ion: 63 Resp: 410338

Ion Ratio Lower Upper

63 100

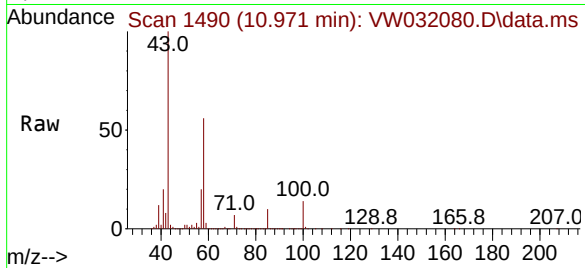
106 30.1 23.5 35.3





#59
2-Hexanone
Concen: 303.226 ug/l
RT: 10.971 min Scan# 1490
Delta R.T. -0.000 min
Lab File: VW032080.D
Acq: 14 Aug 2025 09:27

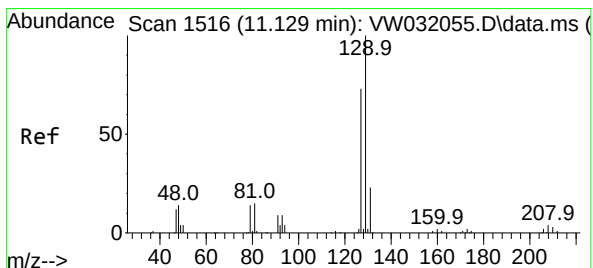
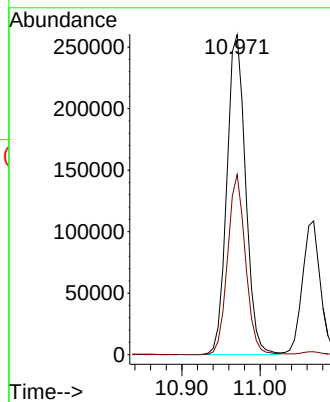
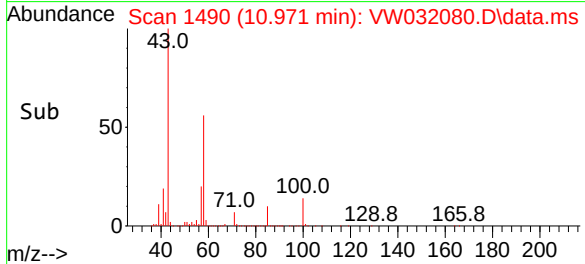
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050



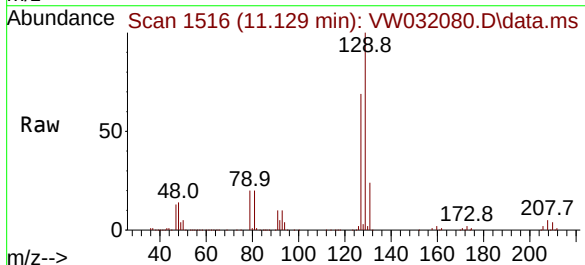
Tgt Ion: 43 Resp: 43174
Ion Ratio Lower Upper
43 100
58 53.9 28.3 85.0

Manual Integrations
APPROVED

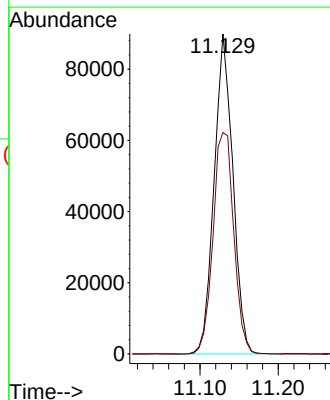
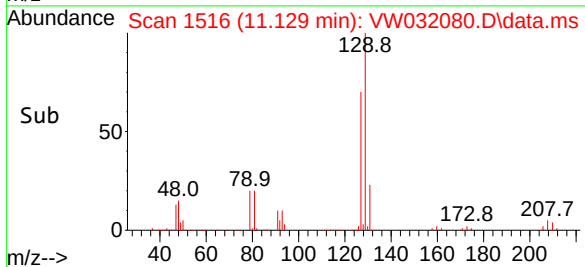
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025

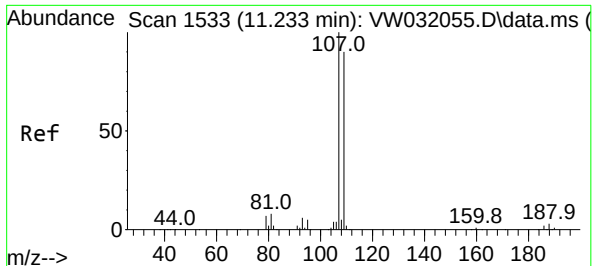


#60
Dibromochloromethane
Concen: 60.364 ug/l
RT: 11.129 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VW032080.D
Acq: 14 Aug 2025 09:27



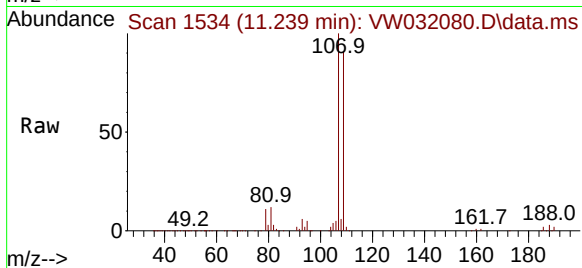
Tgt Ion:129 Resp: 149280
Ion Ratio Lower Upper
129 100
127 76.7 39.0 116.9





#61
1,2-Dibromoethane
Concen: 58.108 ug/l
RT: 11.239 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW032080.D
Acq: 14 Aug 2025 09:27

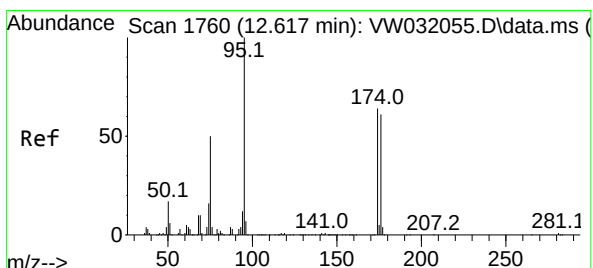
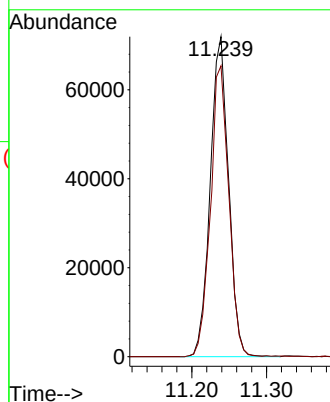
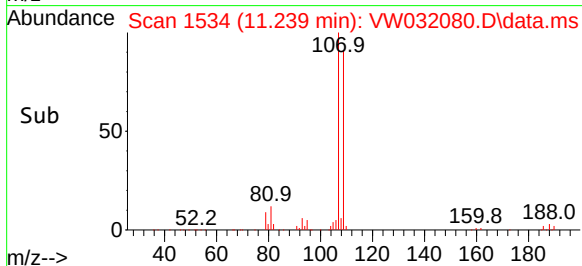
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050



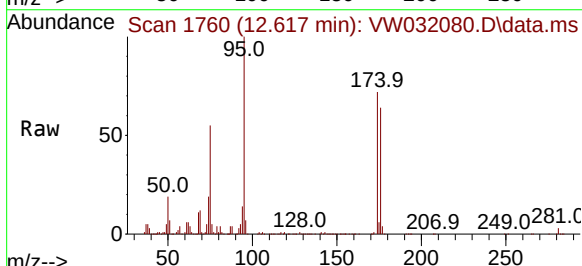
Tgt Ion: 107 Resp: 12224
Ion Ratio Lower Upper
107 100
109 91.1 74.2 111.4

Manual Integrations
APPROVED

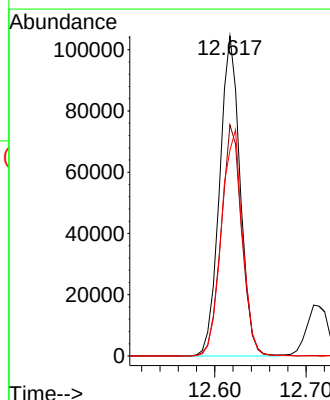
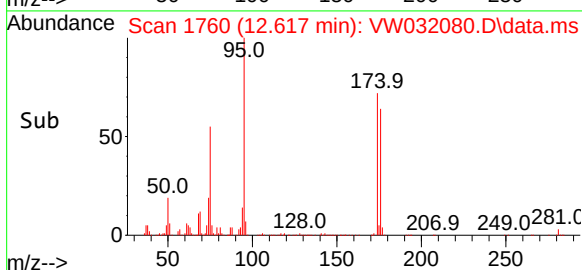
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025

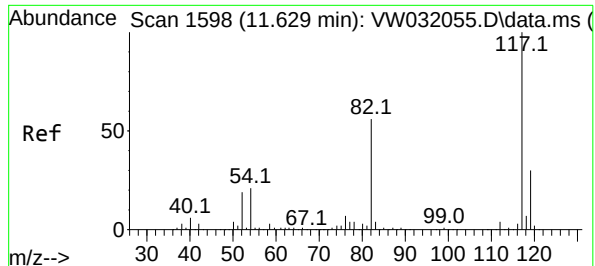


#62
4-Bromofluorobenzene
Concen: 50.275 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032080.D
Acq: 14 Aug 2025 09:27



Tgt Ion: 95 Resp: 163398
Ion Ratio Lower Upper
95 100
174 72.4 0.0 129.0
176 72.4 0.0 124.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.629 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW032080.D

Acq: 14 Aug 2025 09:27

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tgt Ion:117 Resp: 33722

Ion Ratio Lower Upper

117 100

82 58.1 45.0 67.4

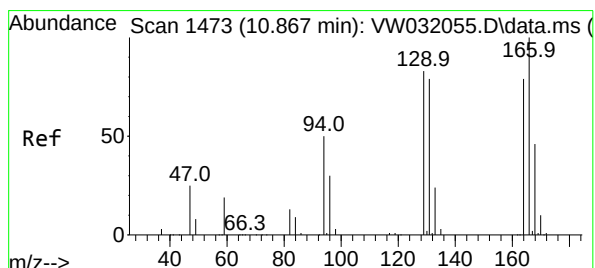
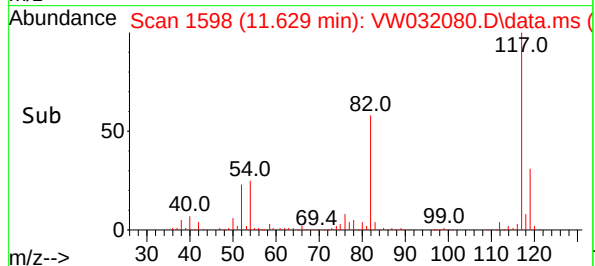
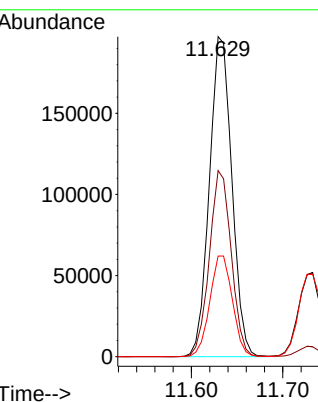
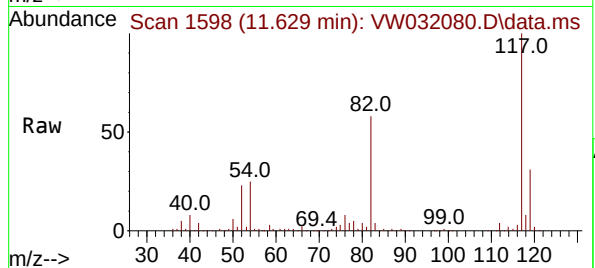
119 31.5 24.2 36.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/19/2025

Supervised By :Mahesh Dadoda 08/19/2025



#64

Tetrachloroethene

Concen: 57.783 ug/l

RT: 10.867 min Scan# 1473

Delta R.T. -0.000 min

Lab File: VW032080.D

Acq: 14 Aug 2025 09:27

Tgt Ion:164 Resp: 112551

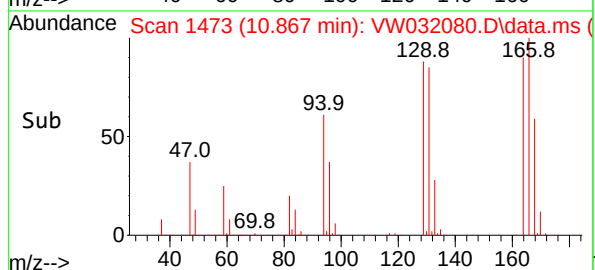
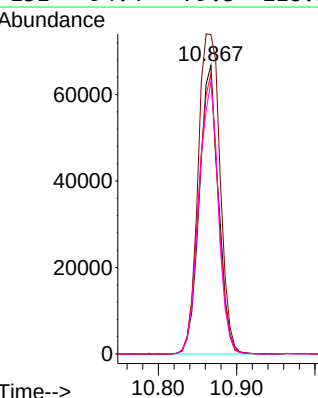
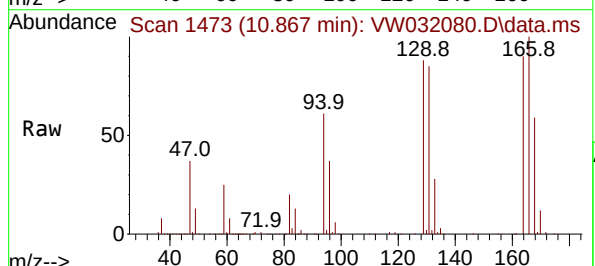
Ion Ratio Lower Upper

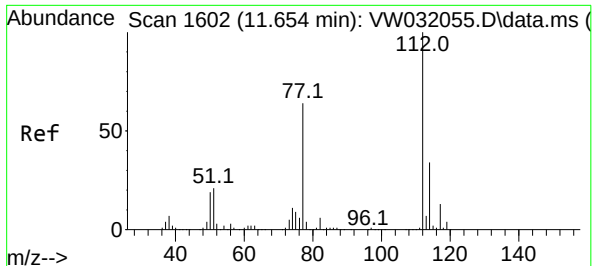
164 100

166 110.7 100.9 151.3

129 97.1 83.6 125.4

131 94.4 79.3 118.9





#65

Chlorobenzene

Concen: 55.882 ug/l

RT: 11.660 min Scan# 1

Delta R.T. 0.006 min

Lab File: VW032080.D

Acq: 14 Aug 2025 09:27

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tgt Ion:112 Resp: 410189

Ion Ratio Lower Upper

112 100

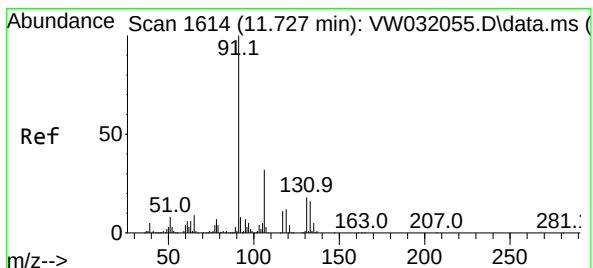
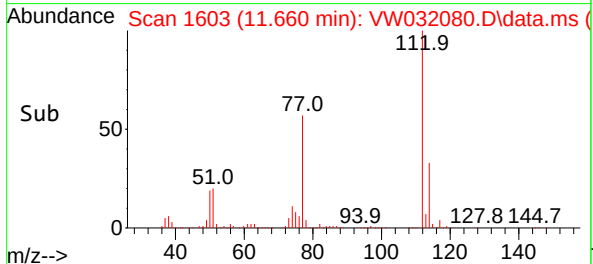
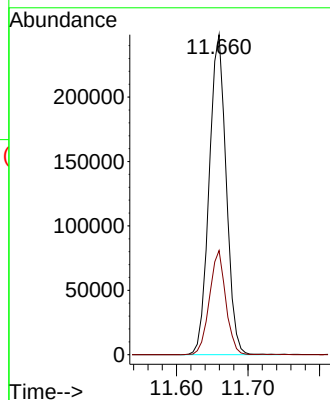
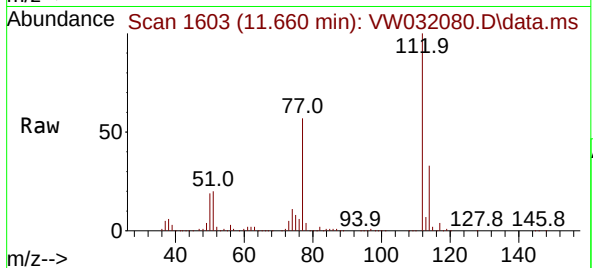
114 32.6 26.9 40.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/19/2025

Supervised By :Mahesh Dadoda 08/19/2025



#66

1,1,1,2-Tetrachloroethane

Concen: 58.241 ug/l

RT: 11.727 min Scan# 1614

Delta R.T. -0.000 min

Lab File: VW032080.D

Acq: 14 Aug 2025 09:27

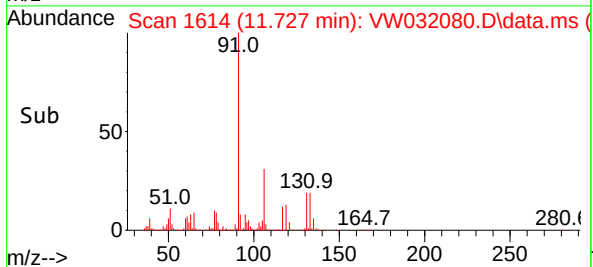
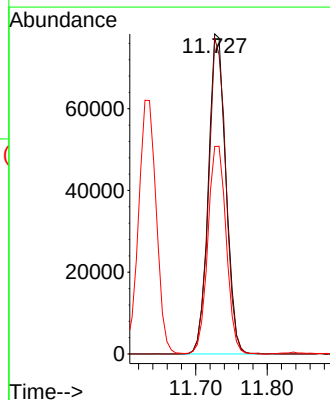
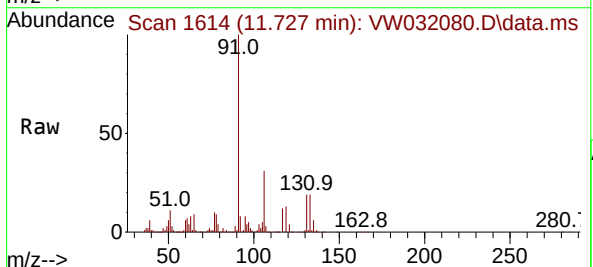
Tgt Ion:131 Resp: 133382

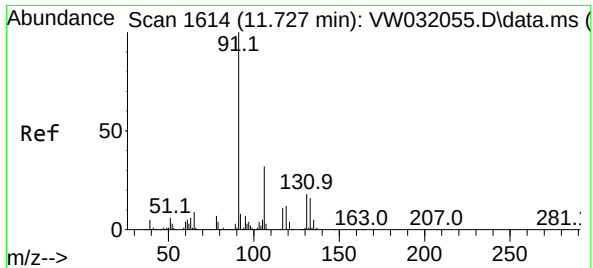
Ion Ratio Lower Upper

131 100

133 97.1 47.3 142.0

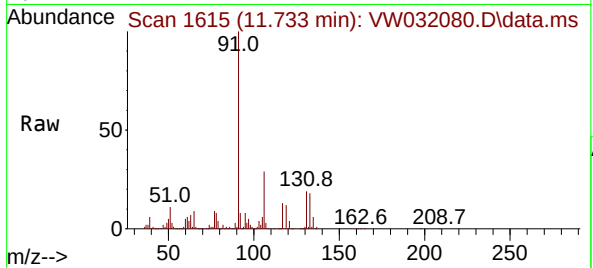
119 67.9 34.5 103.5





#67
Ethyl Benzene
Concen: 54.505 ug/l
RT: 11.733 min Scan# 1615
Delta R.T. 0.006 min
Lab File: VW032080.D
Acq: 14 Aug 2025 09:27

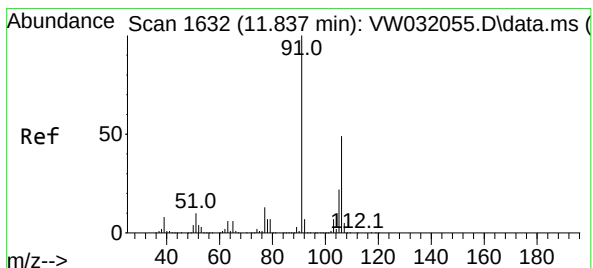
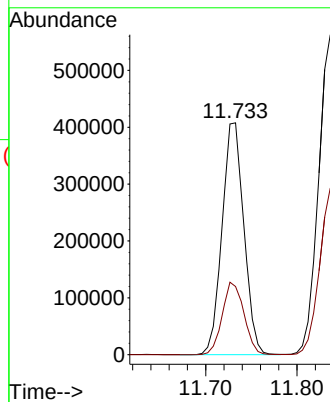
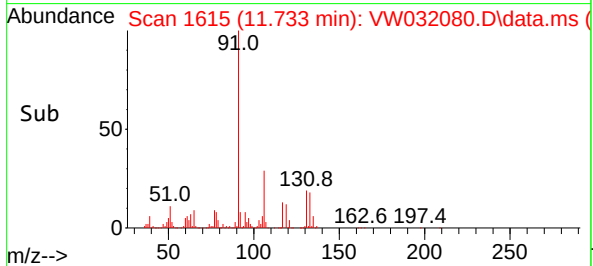
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050



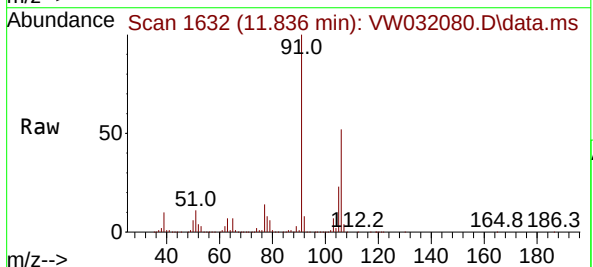
Tgt Ion: 91 Resp: 67768
Ion Ratio Lower Upper
91 100
106 29.4 25.4 38.0

Manual Integrations
APPROVED

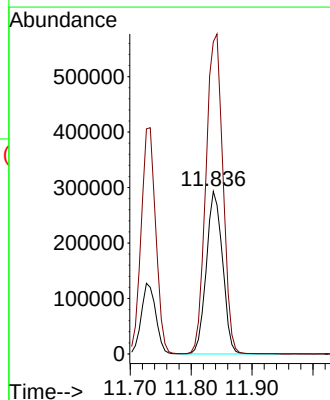
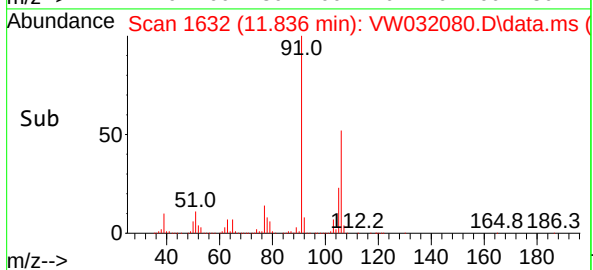
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025

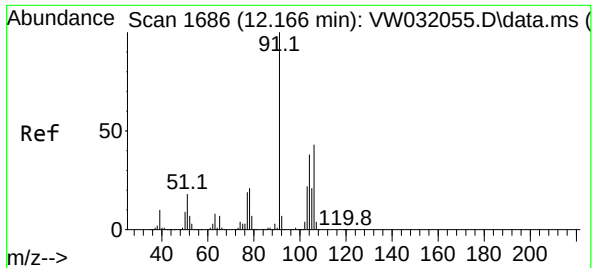


#68
m/p-Xylenes
Concen: 112.646 ug/l
RT: 11.836 min Scan# 1632
Delta R.T. -0.000 min
Lab File: VW032080.D
Acq: 14 Aug 2025 09:27



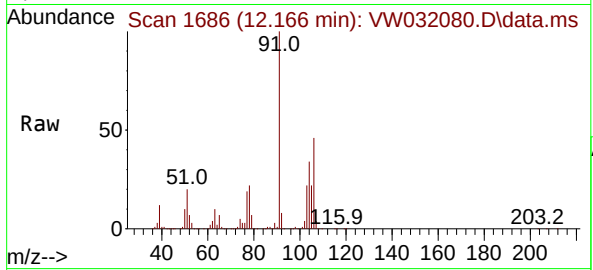
Tgt Ion:106 Resp: 540433
Ion Ratio Lower Upper
106 100
91 206.6 162.2 243.2





#69
o-Xylene
Concen: 58.137 ug/l
RT: 12.166 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VW032080.D
Acq: 14 Aug 2025 09:27

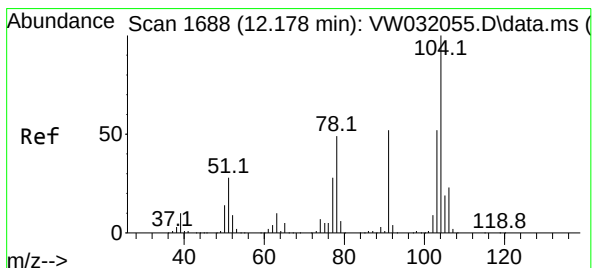
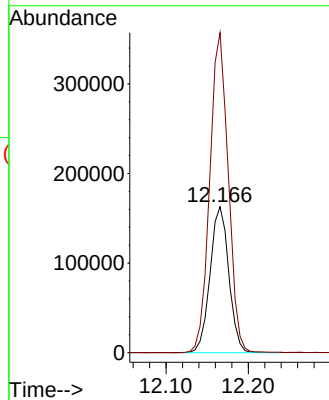
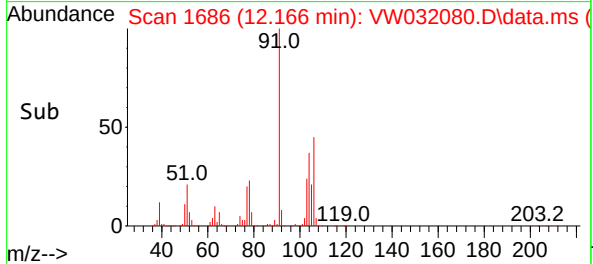
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050



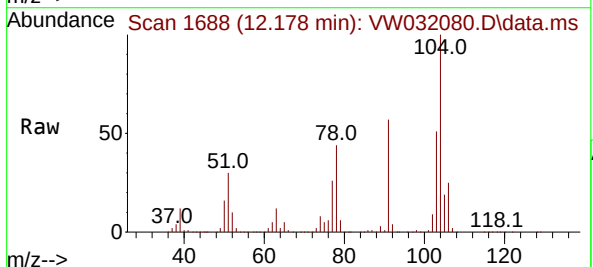
Tgt Ion:106 Resp: 257799
Ion Ratio Lower Upper
106 100
91 216.5 110.8 332.3

Manual Integrations
APPROVED

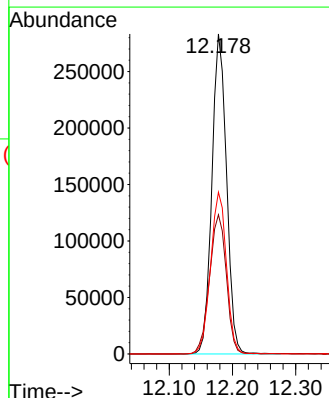
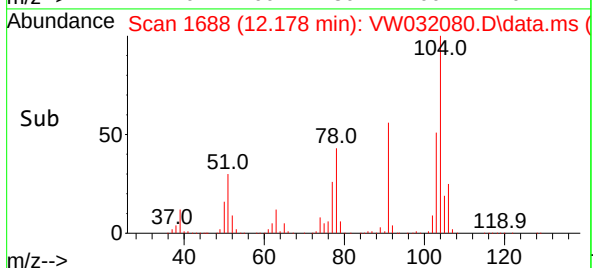
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025

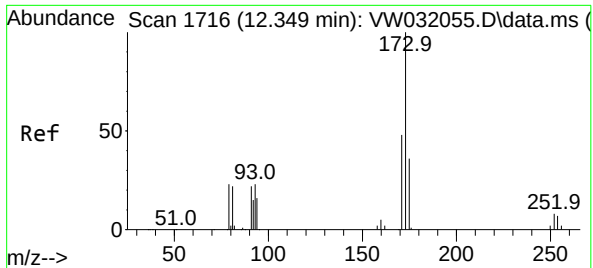


#70
Styrene
Concen: 57.835 ug/l
RT: 12.178 min Scan# 1688
Delta R.T. -0.000 min
Lab File: VW032080.D
Acq: 14 Aug 2025 09:27



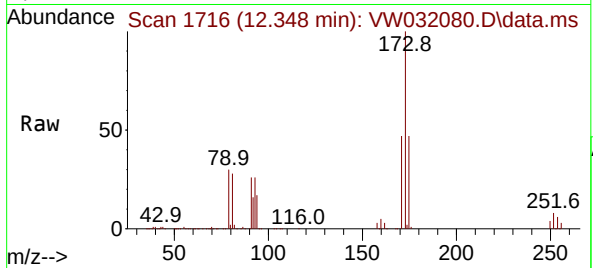
Tgt Ion:104 Resp: 455535
Ion Ratio Lower Upper
104 100
78 49.8 41.2 61.8
103 55.0 43.8 65.8





#71
Bromoform
Concen: 63.831 ug/l
RT: 12.348 min Scan# 1716
Delta R.T. -0.000 min
Lab File: VW032080.D
Acq: 14 Aug 2025 09:27

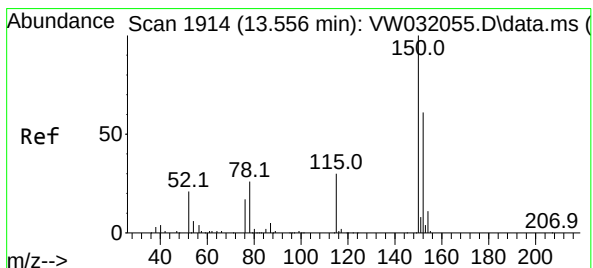
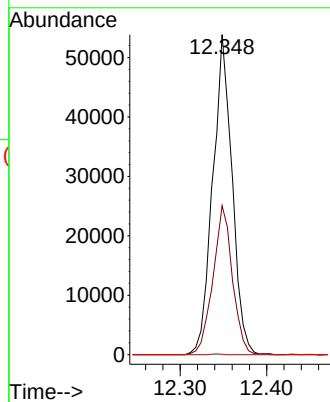
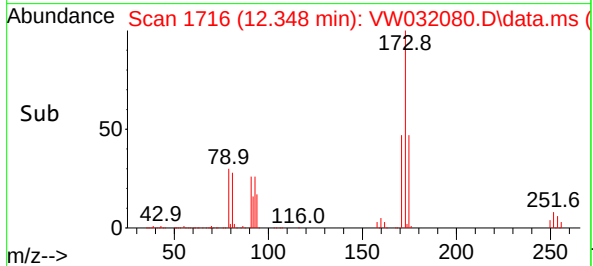
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050



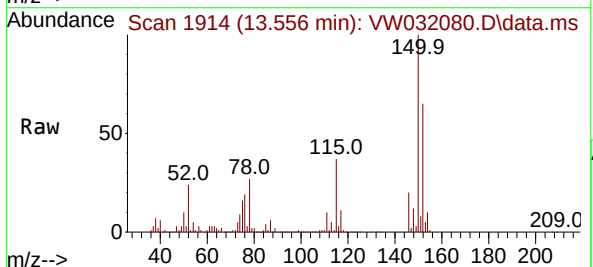
Tgt Ion:173 Resp: 83619
Ion Ratio Lower Upper
173 100
175 46.8 22.9 68.7
254 0.1 0.0 0.0

Manual Integrations
APPROVED

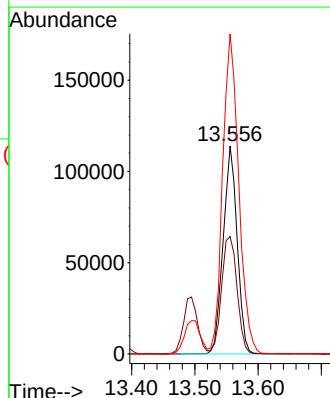
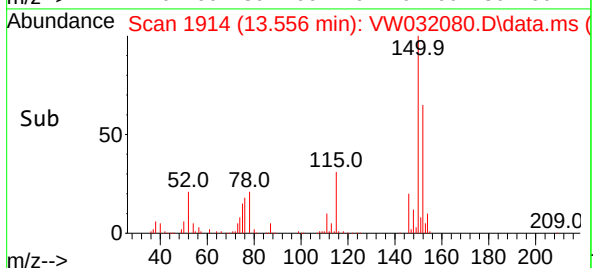
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025

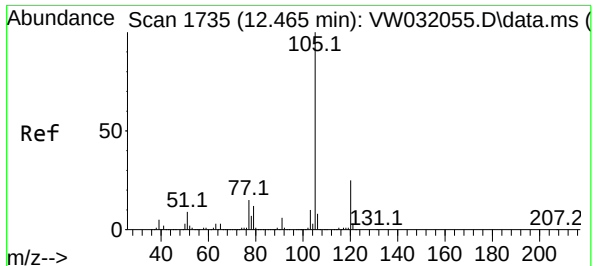


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. -0.000 min
Lab File: VW032080.D
Acq: 14 Aug 2025 09:27



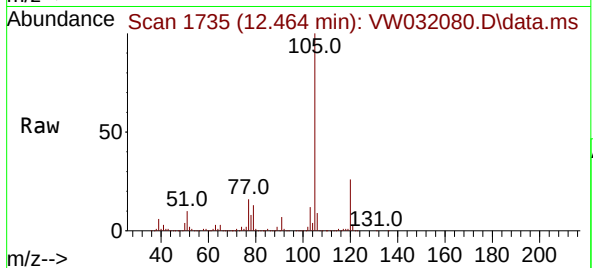
Tgt Ion:152 Resp: 174813
Ion Ratio Lower Upper
152 100
115 62.3 32.6 97.8
150 175.9 0.0 359.4





#73
Isopropylbenzene
Concen: 52.307 ug/l
RT: 12.464 min Scan# 1735
Delta R.T. -0.000 min
Lab File: VW032080.D
Acq: 14 Aug 2025 09:27

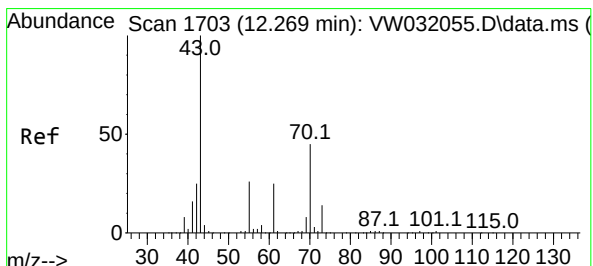
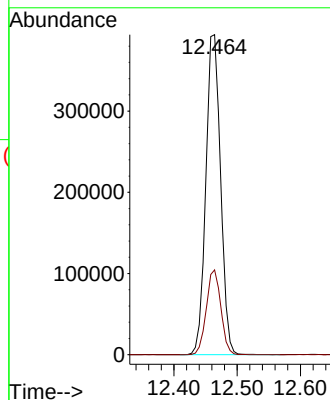
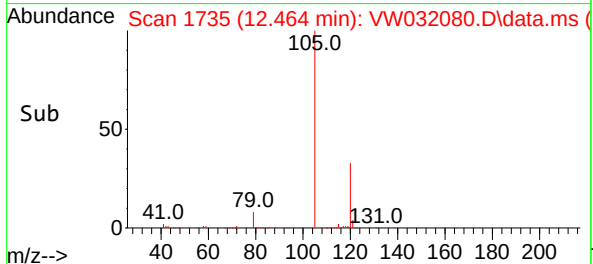
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050



Tgt Ion: 105 Resp: 63903
Ion Ratio Lower Upper
105 100
120 26.1 12.8 38.4

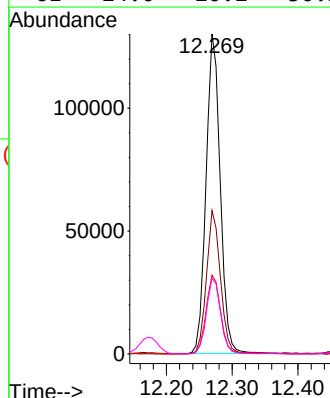
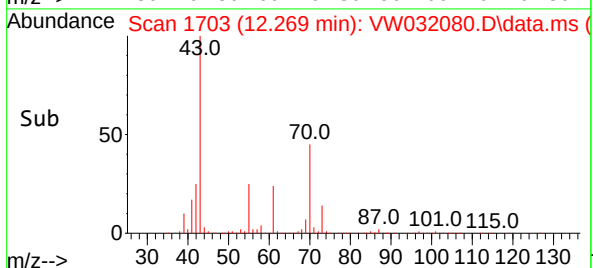
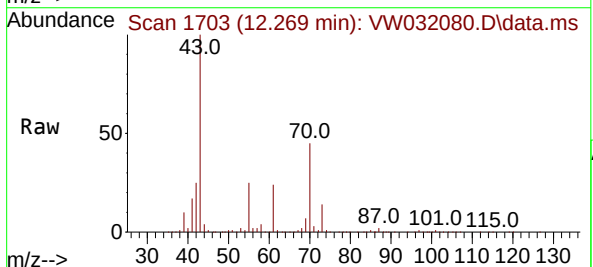
Manual Integrations
APPROVED

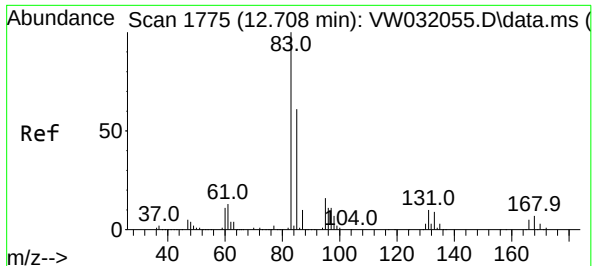
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025



#74
N-ethyl acetate
Concen: 55.601 ug/l
RT: 12.269 min Scan# 1703
Delta R.T. -0.000 min
Lab File: VW032080.D
Acq: 14 Aug 2025 09:27

Tgt Ion: 43 Resp: 194883
Ion Ratio Lower Upper
43 100
70 44.4 37.0 55.4
55 25.6 21.1 31.7
61 24.0 20.2 30.2





#75

1,1,2,2-Tetrachloroethane

Concen: 52.197 ug/l

RT: 12.714 min Scan# 1775

Delta R.T. 0.006 min

Lab File: VW032080.D

Acq: 14 Aug 2025 09:27

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tgt Ion: 83 Resp: 151408

Ion Ratio Lower Upper

83 100

131 10.6 5.1 15.4

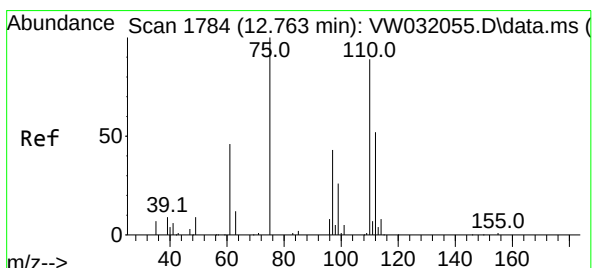
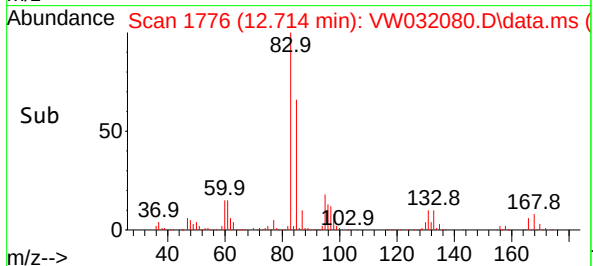
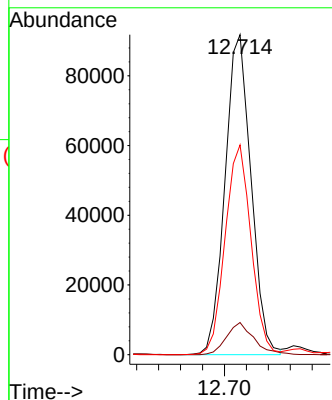
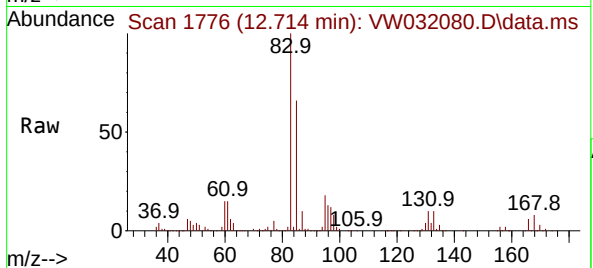
85 65.3 32.2 96.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/19/2025

Supervised By :Mahesh Dadoda 08/19/2025



#76

1,2,3-Trichloropropane

Concen: 47.043 ug/l m

RT: 12.763 min Scan# 1784

Delta R.T. -0.000 min

Lab File: VW032080.D

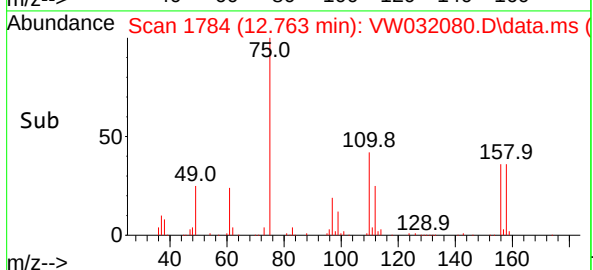
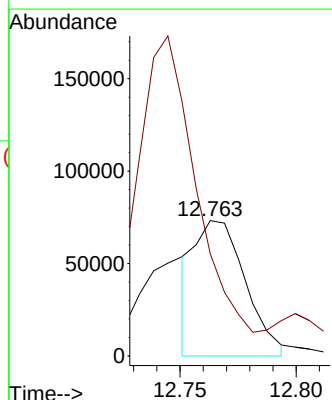
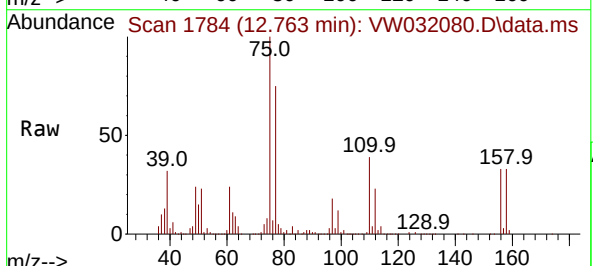
Acq: 14 Aug 2025 09:27

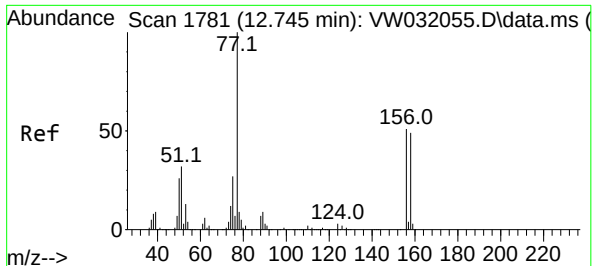
Tgt Ion: 75 Resp: 111615

Ion Ratio Lower Upper

75 100

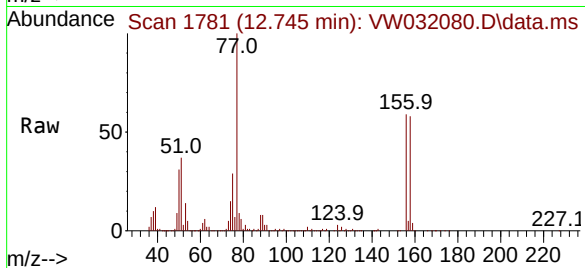
77 285.4 123.5 370.5





#77
Bromobenzene
Concen: 53.753 ug/l
RT: 12.745 min Scan# 1781
Delta R.T. -0.000 min
Lab File: VW032080.D
Acq: 14 Aug 2025 09:27

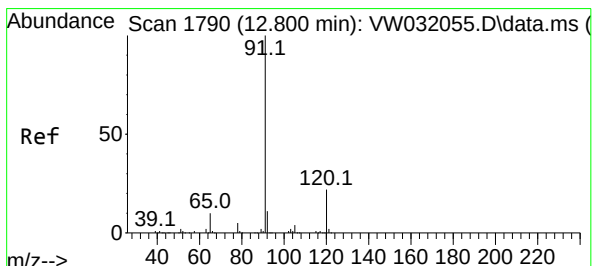
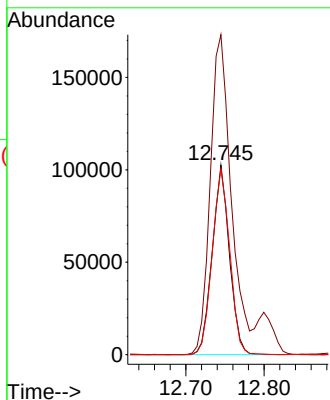
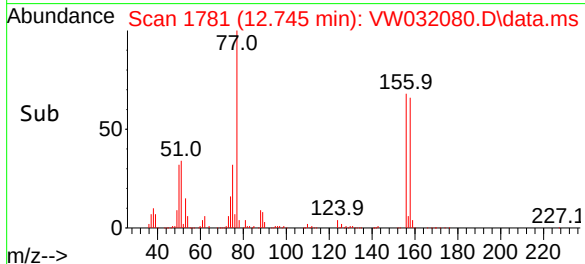
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050



Tgt Ion: 156 Resp: 156840
Ion Ratio Lower Upper
156 100
77 203.1 108.7 326.3
158 100.2 48.3 144.9

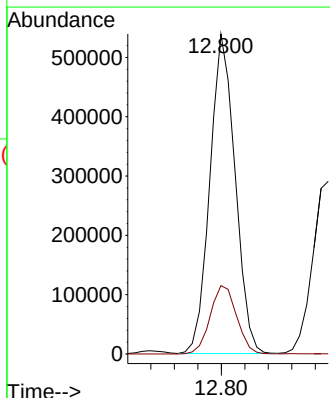
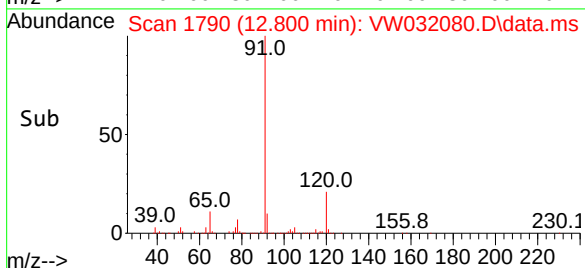
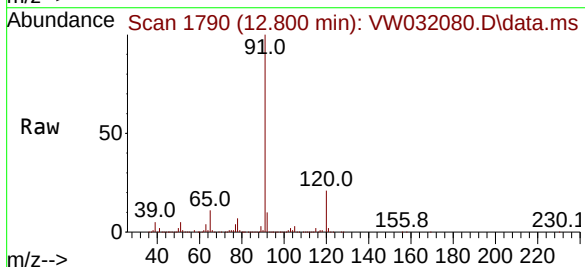
Manual Integrations
APPROVED

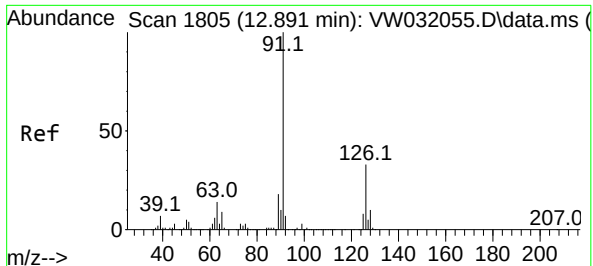
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025



#78
n-propylbenzene
Concen: 53.406 ug/l
RT: 12.800 min Scan# 1790
Delta R.T. -0.000 min
Lab File: VW032080.D
Acq: 14 Aug 2025 09:27

Tgt Ion: 91 Resp: 803277
Ion Ratio Lower Upper
91 100
120 22.4 11.1 33.3





#79

2-Chlorotoluene

Concen: 51.172 ug/l

RT: 12.891 min Scan# 1805

Delta R.T. -0.000 min

Lab File: VW032080.D

Acq: 14 Aug 2025 09:27

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 475020

Ion Ratio Lower Upper

91 100

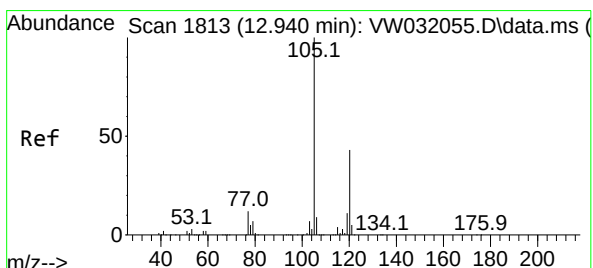
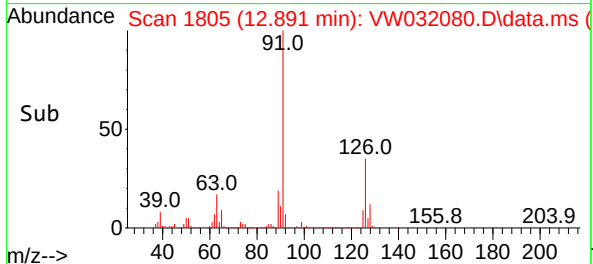
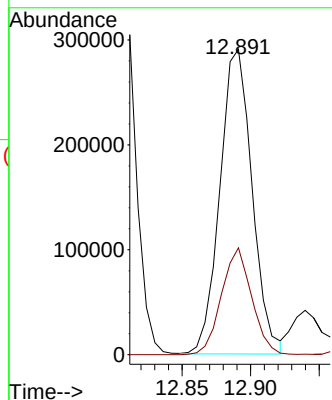
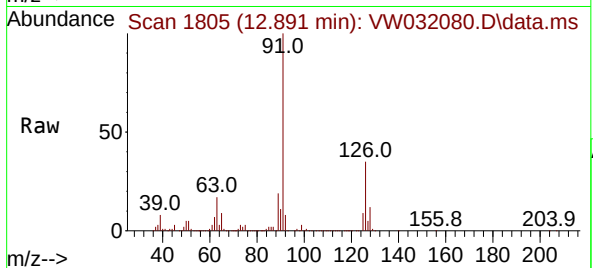
126 33.0 15.9 47.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/19/2025

Supervised By :Mahesh Dadoda 08/19/2025



#80

1,3,5-Trimethylbenzene

Concen: 53.983 ug/l

RT: 12.940 min Scan# 1813

Delta R.T. -0.000 min

Lab File: VW032080.D

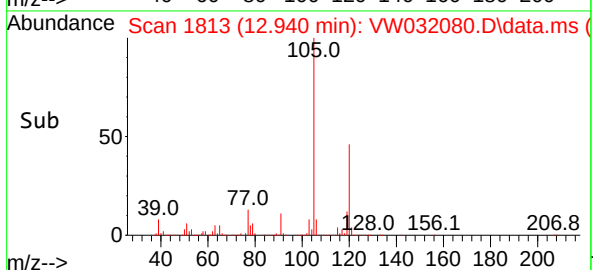
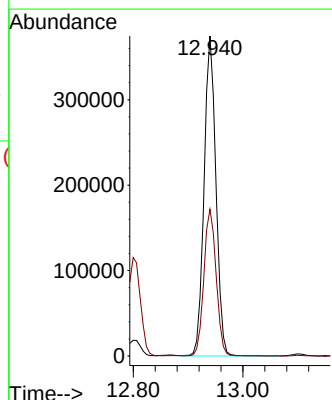
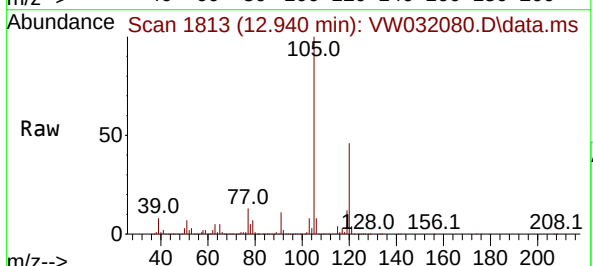
Acq: 14 Aug 2025 09:27

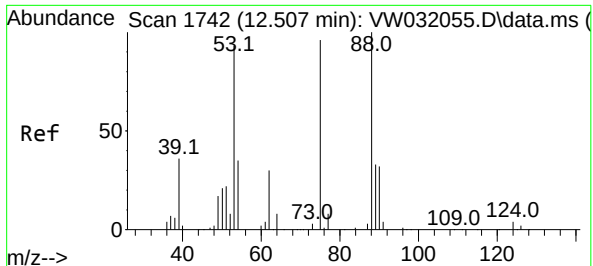
Tgt Ion:105 Resp: 559898

Ion Ratio Lower Upper

105 100

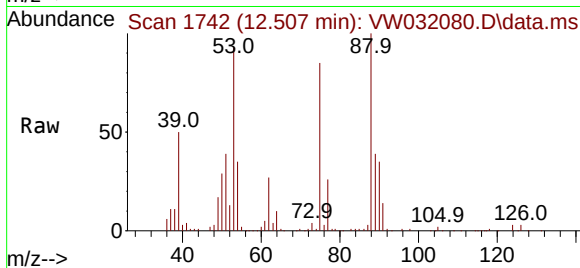
120 47.3 23.4 70.0





#81
trans-1,4-Dichloro-2-butene
Concen: 50.402 ug/l
RT: 12.507 min Scan# 1742
Delta R.T. -0.000 min
Lab File: VW032080.D
Acq: 14 Aug 2025 09:27

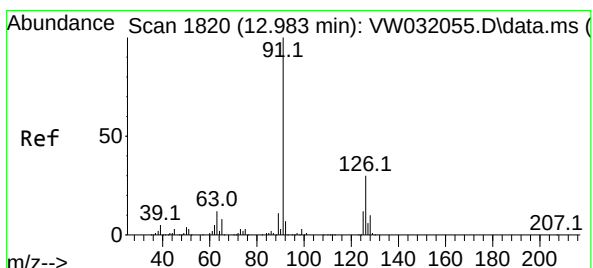
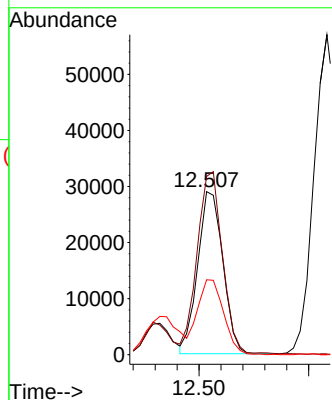
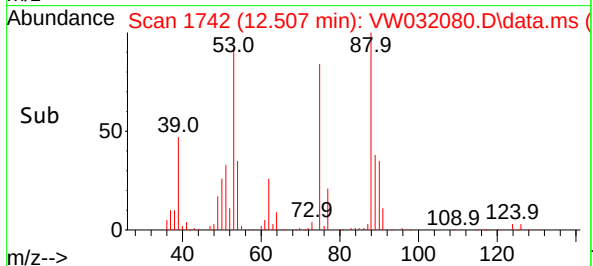
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050



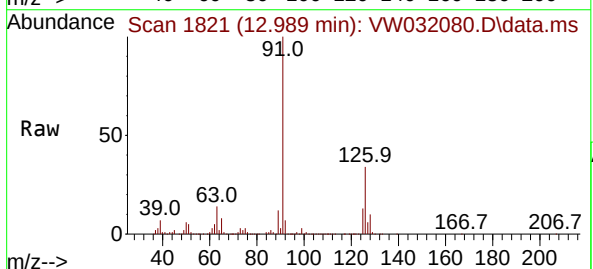
Tgt Ion: 75 Resp: 4619
Ion Ratio Lower Upper
75 100
53 113.8 81.0 121.6
89 48.0 37.3 55.9

Manual Integrations
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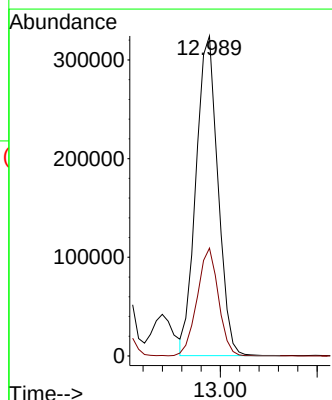
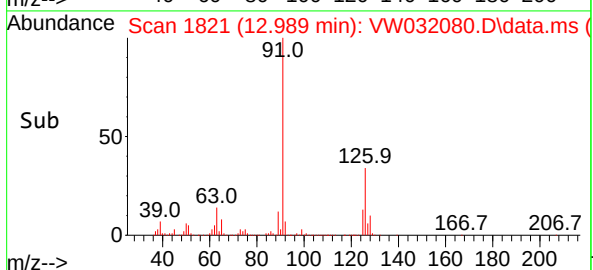
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025

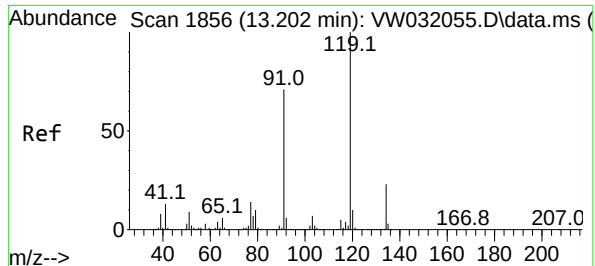


#82
4-Chlorotoluene
Concen: 51.725 ug/l
RT: 12.989 min Scan# 1821
Delta R.T. 0.006 min
Lab File: VW032080.D
Acq: 14 Aug 2025 09:27



Tgt Ion: 91 Resp: 510140
Ion Ratio Lower Upper
91 100
126 32.9 15.5 46.5





#83

tert-Butylbenzene

Concen: 54.905 ug/l

RT: 13.202 min Scan# 1856

Delta R.T. -0.000 min

Lab File: VW032080.D

Acq: 14 Aug 2025 09:27

Instrument :

MSVOA_W

ClientSampleId :

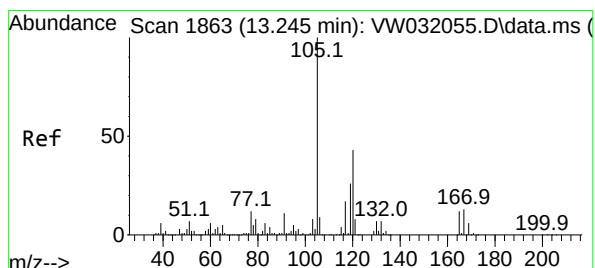
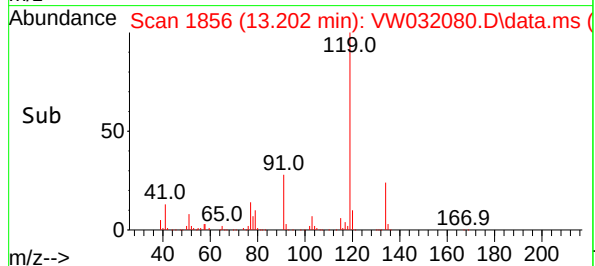
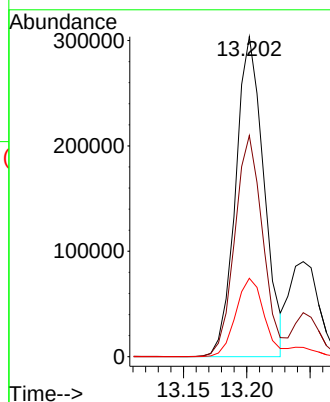
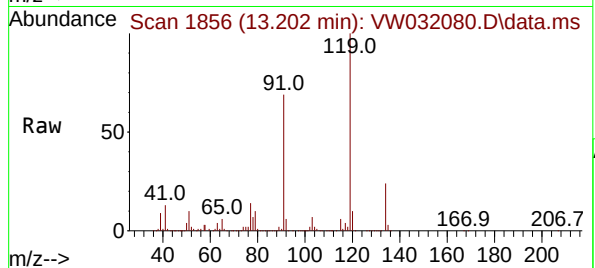
VSTDCCC050

Tgt Ion:	119	Resp:	47261
Ion Ratio	Lower	Upper	
119	100		
91	69.3	35.3	105.9
134	25.0	12.1	36.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025



#84

1,2,4-Trimethylbenzene

Concen: 53.062 ug/l

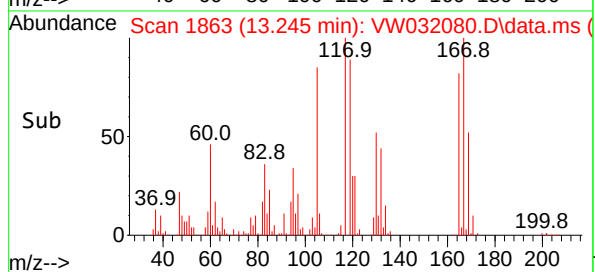
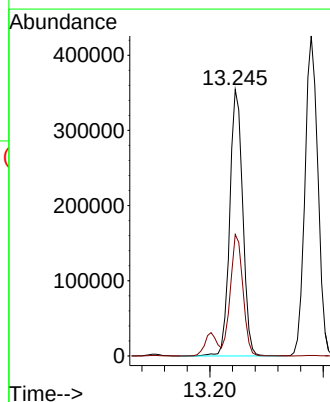
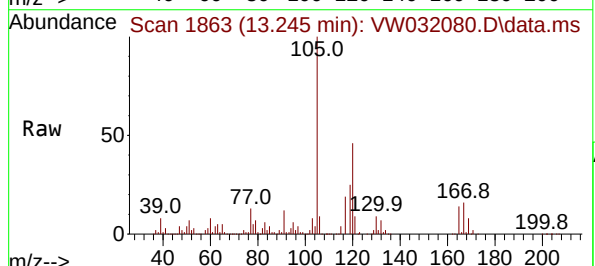
RT: 13.245 min Scan# 1863

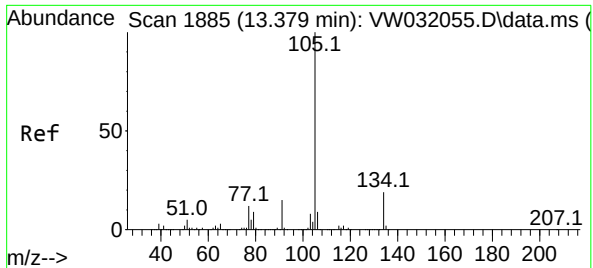
Delta R.T. -0.000 min

Lab File: VW032080.D

Acq: 14 Aug 2025 09:27

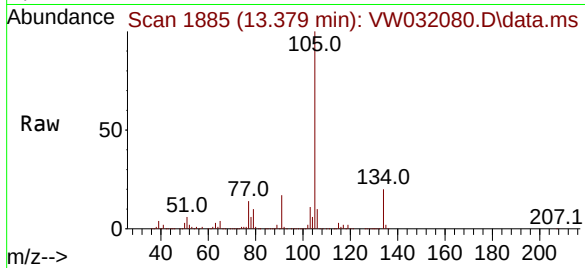
Tgt Ion:	105	Resp:	560238
Ion Ratio	Lower	Upper	
105	100		
120	44.2	21.6	64.8





#85
sec-Butylbenzene
Concen: 51.695 ug/l
RT: 13.379 min Scan# 1885
Delta R.T. -0.000 min
Lab File: VW032080.D
Acq: 14 Aug 2025 09:27

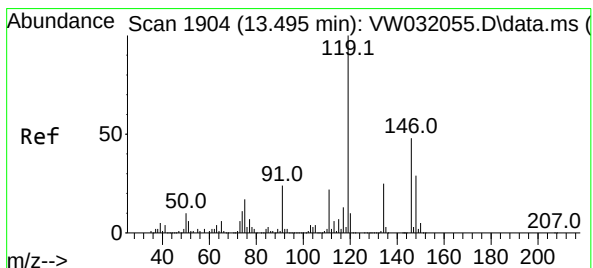
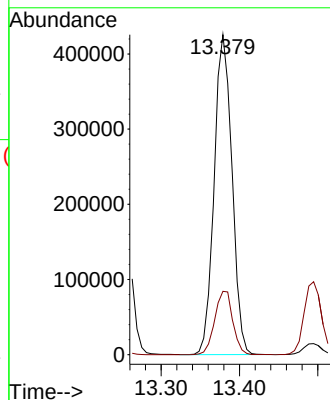
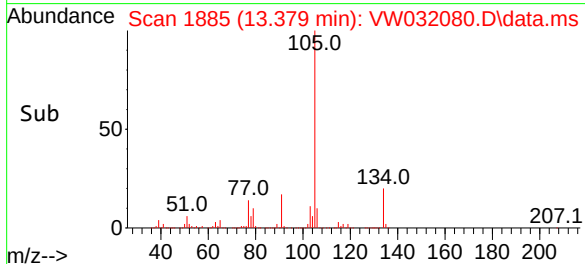
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050



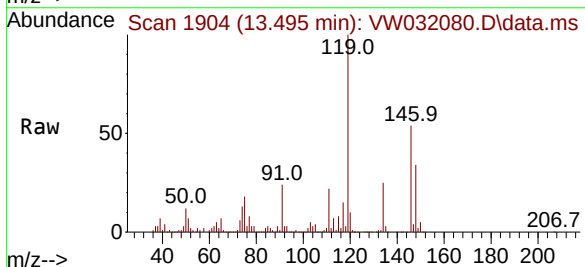
Tgt Ion:105 Resp: 672760
Ion Ratio Lower Upper
105 100
134 20.1 9.9 29.7

Manual Integrations
APPROVED

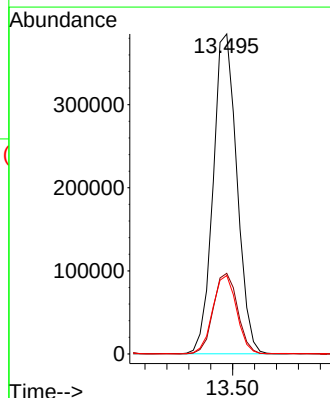
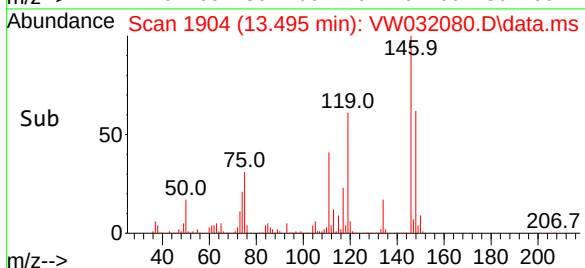
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025

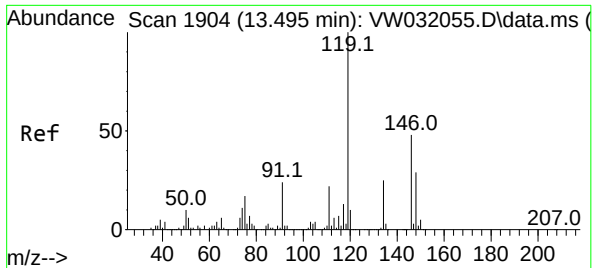


#86
p-Isopropyltoluene
Concen: 53.502 ug/l
RT: 13.495 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VW032080.D
Acq: 14 Aug 2025 09:27



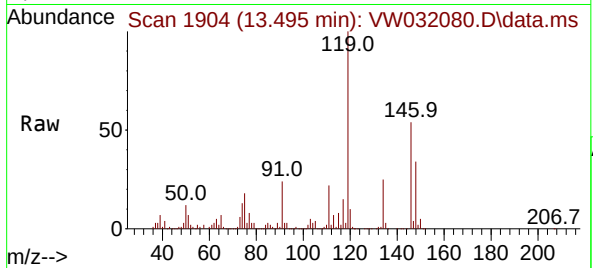
Tgt Ion:119 Resp: 580472
Ion Ratio Lower Upper
119 100
134 25.7 12.4 37.0
91 24.7 12.1 36.3





#87
1,3-Dichlorobenzene
Concen: 56.169 ug/l
RT: 13.495 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VW032080.D
Acq: 14 Aug 2025 09:27

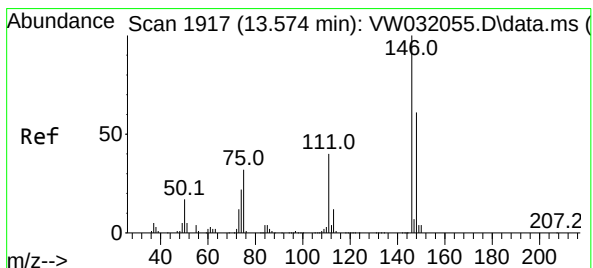
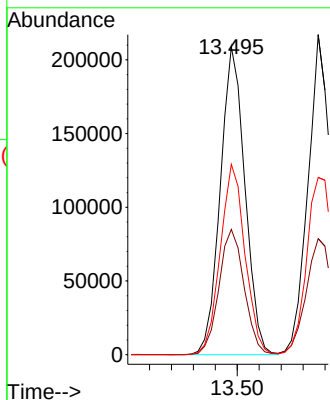
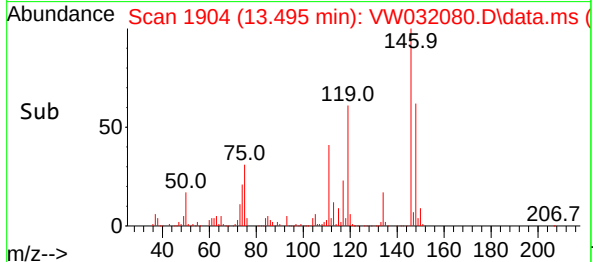
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050



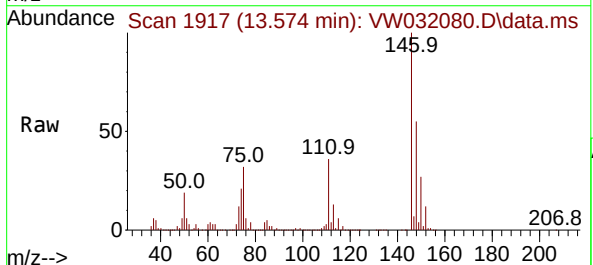
Tgt Ion:146 Resp: 326120
Ion Ratio Lower Upper
146 100
111 41.6 21.2 63.6
148 62.1 30.3 90.8

Manual Integrations
APPROVED

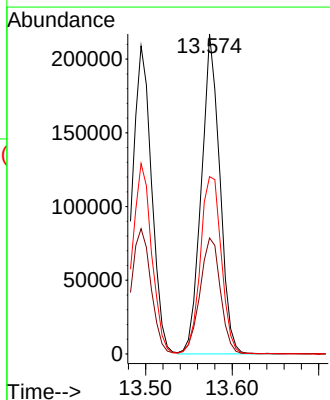
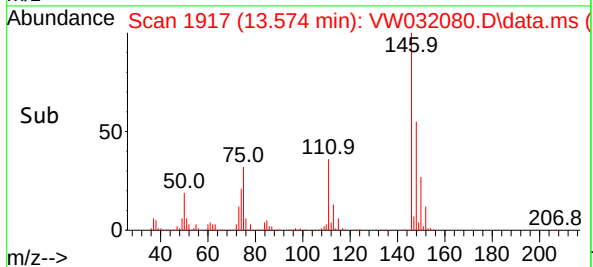
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025

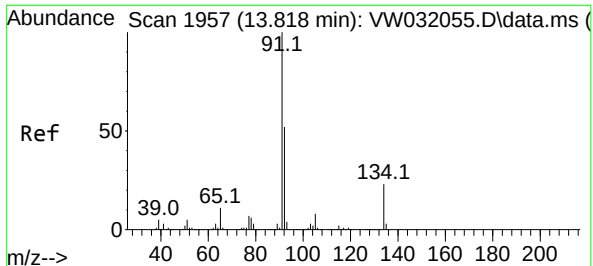


#88
1,4-Dichlorobenzene
Concen: 54.595 ug/l
RT: 13.574 min Scan# 1917
Delta R.T. -0.000 min
Lab File: VW032080.D
Acq: 14 Aug 2025 09:27



Tgt Ion:146 Resp: 320333
Ion Ratio Lower Upper
146 100
111 40.3 21.6 64.6
148 62.9 32.0 96.2





#89

n-Butylbenzene

Concen: 53.618 ug/l

RT: 13.818 min Scan# 1957

Delta R.T. -0.000 min

Lab File: VW032080.D

Acq: 14 Aug 2025 09:27

Instrument :

MSVOA_W

ClientSampleId :

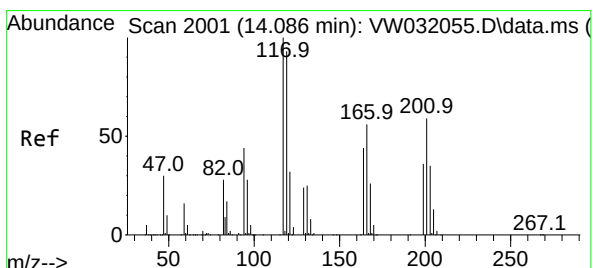
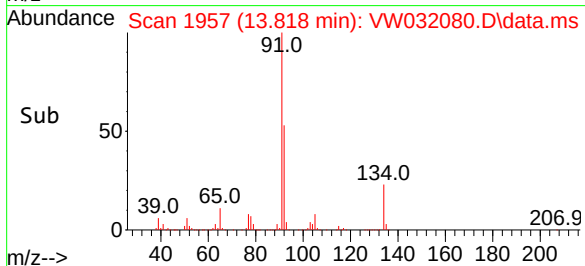
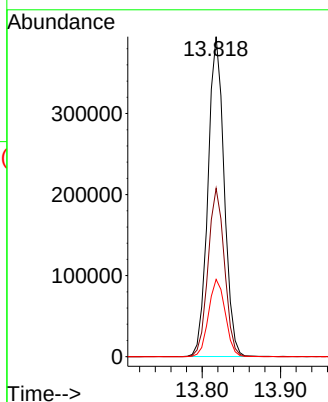
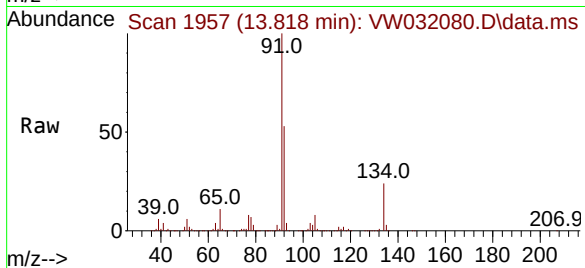
VSTDCCC050

Tgt Ion:	91	Resp:	565150
Ion	Ratio	Lower	Upper
91	100		
92	53.4	26.7	80.1
134	25.0	12.0	36.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025



#90

Hexachloroethane

Concen: 51.649 ug/l

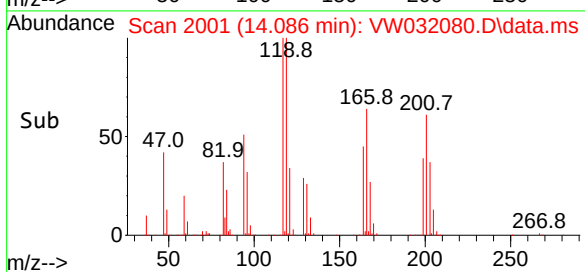
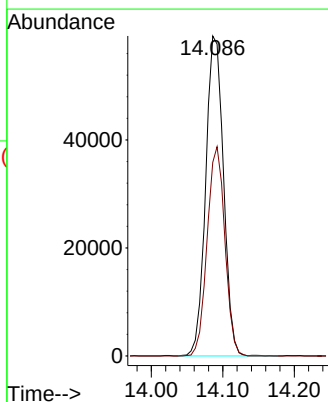
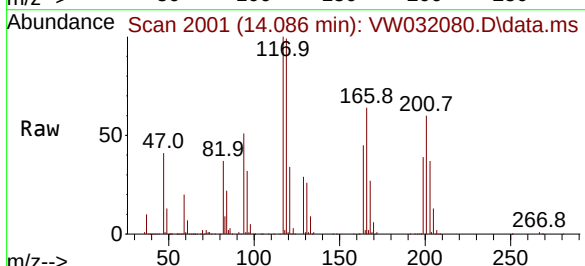
RT: 14.086 min Scan# 2001

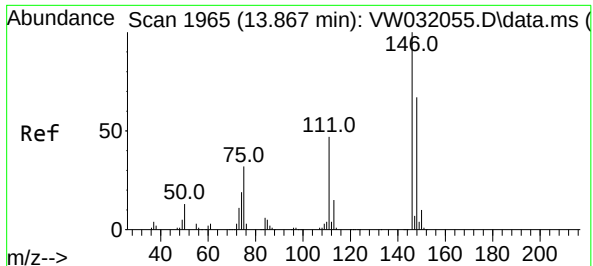
Delta R.T. -0.000 min

Lab File: VW032080.D

Acq: 14 Aug 2025 09:27

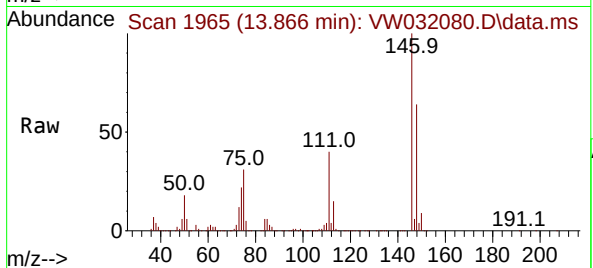
Tgt Ion:	117	Resp:	102479
Ion	Ratio	Lower	Upper
117	100		
201	64.8	30.9	92.5





#91
1,2-Dichlorobenzene
Concen: 56.464 ug/l
RT: 13.866 min Scan# 1965
Delta R.T. -0.000 min
Lab File: VW032080.D
Acq: 14 Aug 2025 09:27

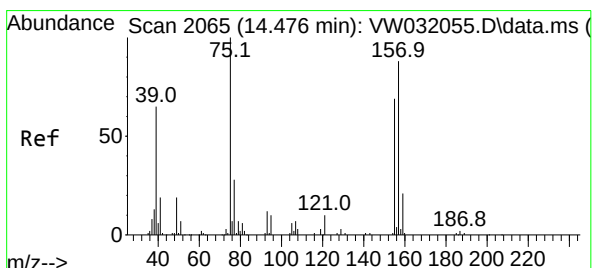
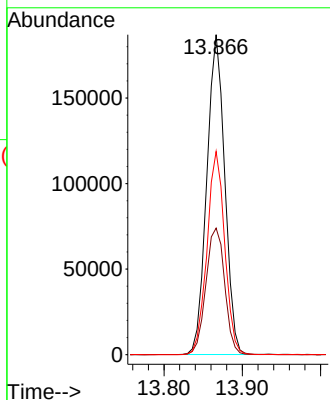
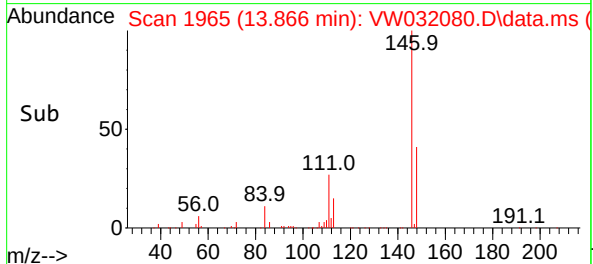
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050



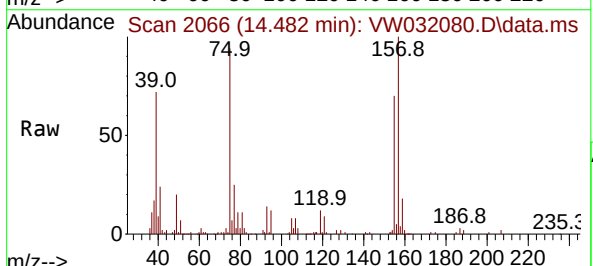
Tgt Ion:146 Resp: 29697
Ion Ratio Lower Upper
146 100
111 41.7 23.1 69.3
148 62.9 32.9 98.6

Manual Integrations
APPROVED

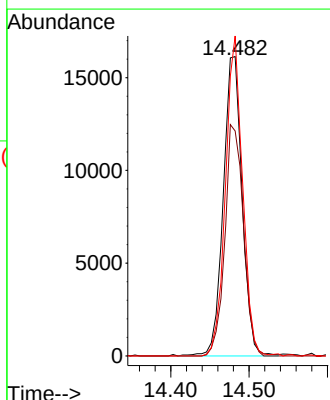
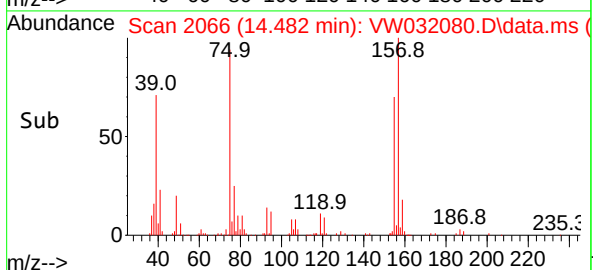
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025

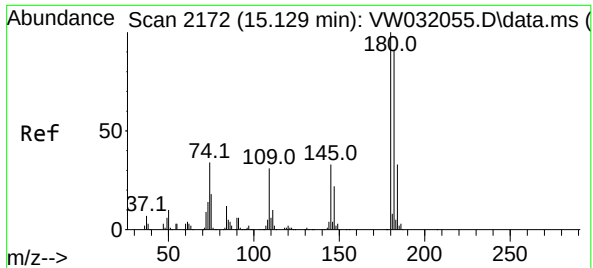


#92
1,2-Dibromo-3-Chloropropane
Concen: 52.473 ug/l
RT: 14.482 min Scan# 2066
Delta R.T. 0.006 min
Lab File: VW032080.D
Acq: 14 Aug 2025 09:27



Tgt Ion: 75 Resp: 27059
Ion Ratio Lower Upper
75 100
155 75.8 35.2 105.6
157 96.7 47.5 142.6





#93

1,2,4-Trichlorobenzene

Concen: 55.052 ug/l

RT: 15.128 min Scan# 2172

Delta R.T. -0.000 min

Lab File: VW032080.D

Acq: 14 Aug 2025 09:27

Instrument :

MSVOA_W

ClientSampleId :

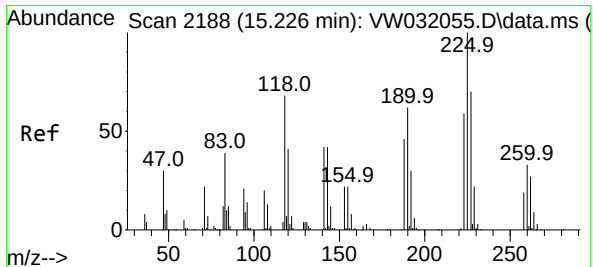
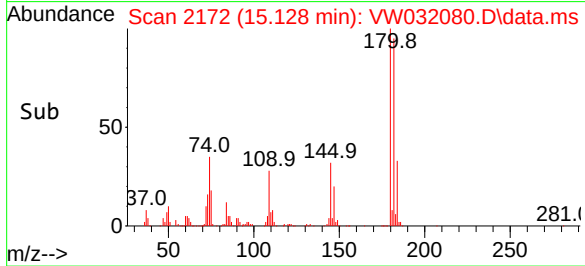
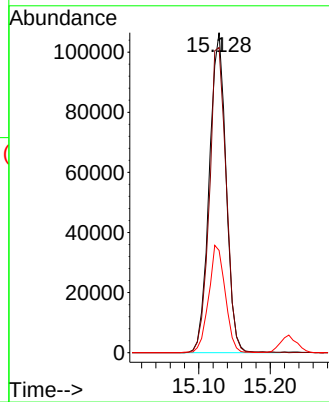
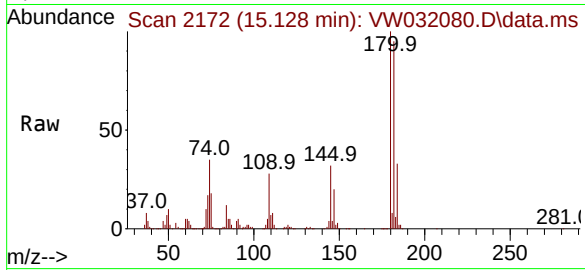
VSTDCCC050

Tgt Ion:180	Resp: 17321
Ion Ratio	Lower Upper
180 100	
182 96.0	49.0 147.0
145 33.3	17.3 51.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/19/2025
 Supervised By :Mahesh Dadoda 08/19/2025



#94

Hexachlorobutadiene

Concen: 57.968 ug/l

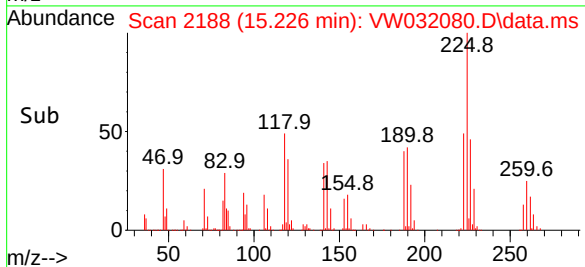
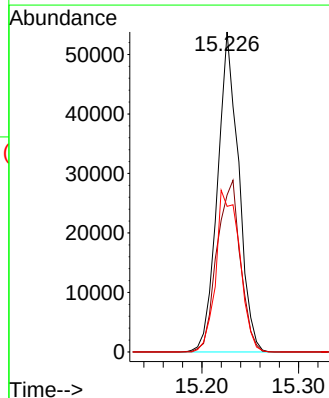
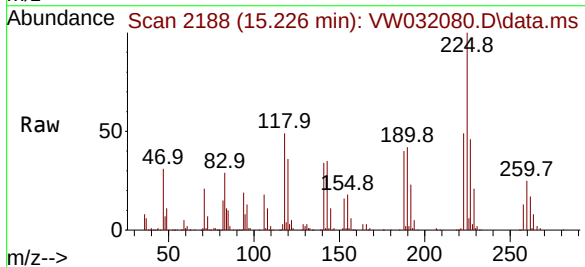
RT: 15.226 min Scan# 2188

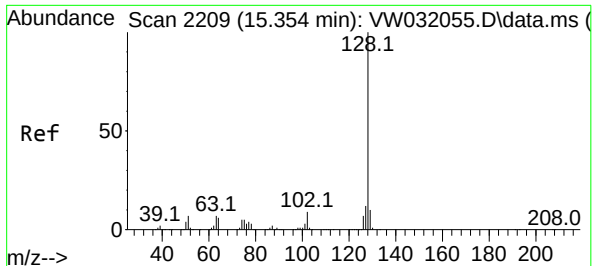
Delta R.T. -0.000 min

Lab File: VW032080.D

Acq: 14 Aug 2025 09:27

Tgt Ion:225	Resp: 81528
Ion Ratio	Lower Upper
225 100	
223 59.7	31.8 95.3
227 56.6	33.5 100.5





#95

Naphthalene

Concen: 57.653 ug/l

RT: 15.360 min Scan# 21

Delta R.T. 0.006 min

Lab File: VW032080.D

Acq: 14 Aug 2025 09:27

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tgt Ion:128 Resp: 444478

Ion Ratio Lower Upper

128 100

127 12.8 10.5 15.7

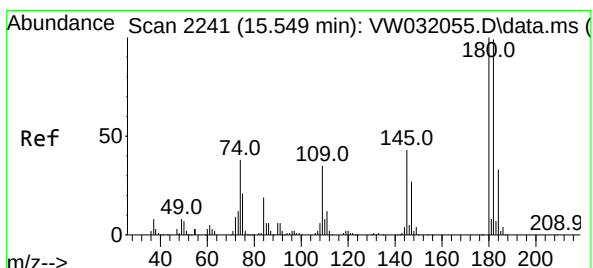
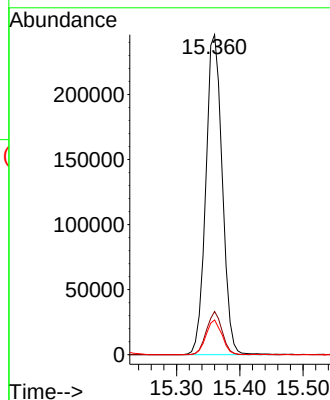
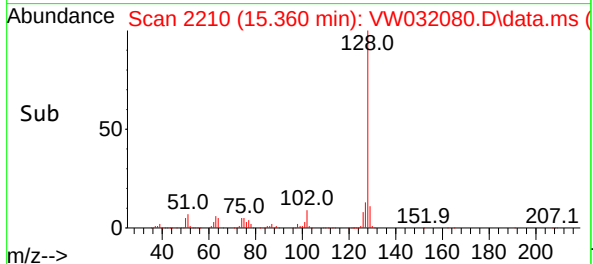
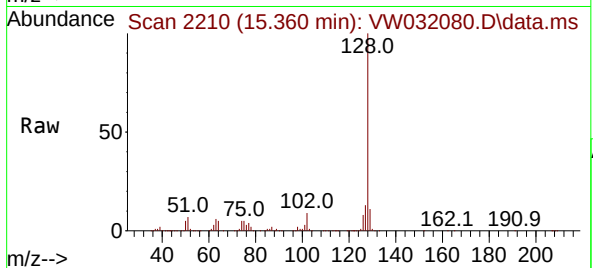
129 10.6 8.2 12.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/19/2025

Supervised By :Mahesh Dadoda 08/19/2025



#96

1,2,3-Trichlorobenzene

Concen: 56.917 ug/l

RT: 15.543 min Scan# 2240

Delta R.T. -0.006 min

Lab File: VW032080.D

Acq: 14 Aug 2025 09:27

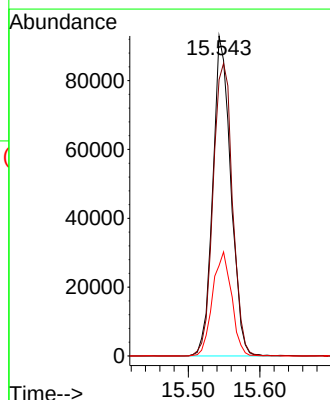
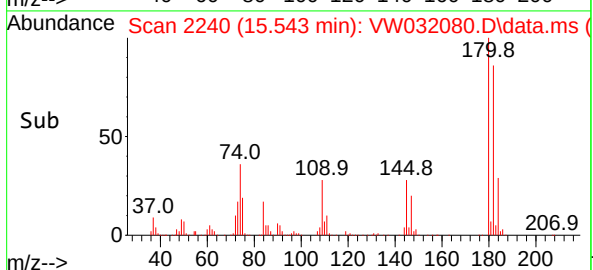
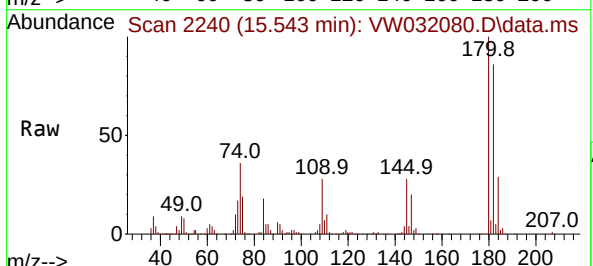
Tgt Ion:180 Resp: 162937

Ion Ratio Lower Upper

180 100

182 98.6 46.0 138.0

145 34.3 19.2 57.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
Data File : VW032080.D
Acq On : 14 Aug 2025 09:27
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
LabSampleId :
VSTDCCC050

Quant Time: Aug 18 03:44:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 12 04:04:48 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	1.000	1.000	0.0	94	0.00
2 T	Dichlorodifluoromethane	0.358	0.356	0.6	99	0.00
3 P	Chloromethane	0.482	0.429	11.0	92	0.00
4 C	Vinyl Chloride	0.583	0.555	4.8#	98	0.00
5 T	Bromomethane	0.437	0.471	-7.8	107	0.00
6 T	Chloroethane	0.386	0.395	-2.3	101	0.00
7 T	Trichlorofluoromethane	0.467	0.539	-15.4	109	0.00
8 T	Diethyl Ether	0.382	0.413	-8.1	102	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.551	0.609	-10.5	110	0.01
10 T	Methyl Iodide	0.781	0.804	-2.9	101	0.00
11 T	Tert butyl alcohol	0.047	0.045	4.3	84	0.00
12 CM	1,1-Dichloroethene	0.606	0.656	-8.3#	107	0.00
13 T	Acrolein	0.075	0.044	41.3#	58	0.00
14 T	Allyl chloride	0.883	0.796	9.9	87	0.00
15 T	Acrylonitrile	0.182	0.185	-1.6	90	0.00
16 T	Acetone	0.167	0.198	-18.6	114	0.00
17 T	Carbon Disulfide	1.628	1.465	10.0	88	0.00
18 T	Methyl Acetate	0.530	0.535	-0.9	90	0.00
19 T	Methyl tert-butyl Ether	1.068	1.075	-0.7	91	0.00
20 T	Methylene Chloride	0.774	0.665	14.1	91	0.00
21 T	trans-1,2-Dichloroethene	0.644	0.645	-0.2	96	0.00
22 T	Diisopropyl ether	1.860	1.859	0.1	92	0.00
23 T	Vinyl Acetate	1.222	1.312	-7.4	95	0.00
24 P	1,1-Dichloroethane	1.189	1.171	1.5	95	0.00
25 T	2-Butanone	0.238	0.258	-8.4	95	0.00
26 T	2,2-Dichloropropane	0.596	0.596	0.0	96	0.00
27 T	cis-1,2-Dichloroethene	0.752	0.779	-3.6	98	0.00
28 T	Bromochloromethane	0.541	0.510	5.7	88	0.00
29 T	Tetrahydrofuran	0.157	0.164	-4.5	90	0.00
30 C	Chloroform	1.260	1.337	-6.1#	101	0.00
31 T	Cyclohexane	1.031	0.928	10.0	90	0.00
32 T	1,1,1-Trichloroethane	0.915	0.941	-2.8	101	0.00
33 S	1,2-Dichloroethane-d4	0.723	0.728	-0.7	95	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	91	0.00
35 S	Dibromofluoromethane	0.323	0.346	-7.1	96	0.00
36 T	1,1-Dichloropropene	0.455	0.483	-6.2	94	0.00
37 T	Ethyl Acetate	0.268	0.312	-16.4	96	0.00
38 T	Carbon Tetrachloride	0.439	0.512	-16.6	104	0.00
39 T	Methylcyclohexane	0.555	0.577	-4.0	91	0.00
40 TM	Benzene	1.415	1.526	-7.8	94	0.00
41 T	Methacrylonitrile	0.152	0.166	-9.2	90	0.00
42 TM	1,2-Dichloroethane	0.453	0.524	-15.7	102	0.00
43 T	Isopropyl Acetate	0.493	0.564	-14.4	95	0.00
44 TM	Trichloroethene	0.337	0.379	-12.5	101	0.00
45 C	1,2-Dichloropropane	0.342	0.367	-7.3#	95	0.00
46 T	Dibromomethane	0.221	0.260	-17.6	103	0.00
47 T	Bromodichloromethane	0.509	0.582	-14.3	99	0.00
48 T	Methyl methacrylate	0.238	0.265	-11.3	90	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
Data File : VW032080.D
Acq On : 14 Aug 2025 09:27
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
LabSampleId :
VSTDCCC050

Quant Time: Aug 18 03:44:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 12 04:04:48 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	1,4-Dioxane	0.003	0.003	0.0	90	0.00
50 S	Toluene-d8	1.195	1.227	-2.7	89	0.00
51 T	4-Methyl-2-Pentanone	0.279	0.333	-19.4	97	0.00
52 CM	Toluene	0.892	0.978	-9.6#	95	0.00
53 T	t-1,3-Dichloropropene	0.476	0.531	-11.6	94	0.00
54 T	cis-1,3-Dichloropropene	0.541	0.595	-10.0	93	0.00
55 T	1,1,2-Trichloroethane	0.293	0.332	-13.3	99	0.00
56 T	Ethyl methacrylate	0.392	0.444	-13.3	92	0.00
57 T	1,3-Dichloropropane	0.511	0.560	-9.6	95	0.00
58 T	2-Chloroethyl Vinyl ether	0.217	0.222	-2.3	84	0.00
59 T	2-Hexanone	0.193	0.234	-21.2	96	0.00
60 T	Dibromochloromethane	0.335	0.404	-20.6	105	0.00
61 T	1,2-Dibromoethane	0.285	0.331	-16.1	101	0.00
62 S	4-Bromofluorobenzene	0.440	0.443	-0.7	87	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	89	0.00
64 T	Tetrachloroethene	0.289	0.334	-15.6	107	0.00
65 PM	Chlorobenzene	1.088	1.216	-11.8	102	0.00
66 T	1,1,1,2-Tetrachloroethane	0.340	0.396	-16.5	104	0.00
67 C	Ethyl Benzene	1.843	2.010	-9.1#	96	0.00
68 T	m/p-Xylenes	0.711	0.801	-12.7	98	0.00
69 T	o-Xylene	0.657	0.764	-16.3	100	0.00
70 T	Styrene	1.168	1.351	-15.7	99	0.00
71 P	Bromoform	0.194	0.248	-27.8#	107	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	98	0.00
73 T	Isopropylbenzene	3.494	3.656	-4.6	98	0.00
74 T	N-amyl acetate	1.003	1.115	-11.2	98	0.00
75 P	1,1,2,2-Tetrachloroethane	0.830	0.866	-4.3	97	0.00
76 T	1,2,3-Trichloropropane	0.679	0.638	6.0	81	0.00
77 T	Bromobenzene	0.835	0.897	-7.4	100	0.00
78 T	n-propylbenzene	4.302	4.595	-6.8	100	0.00
79 T	2-Chlorotoluene	2.655	2.717	-2.3	97	0.00
80 T	1,3,5-Trimethylbenzene	2.967	3.203	-8.0	101	0.00
81 T	trans-1,4-Dichloro-2-butene	0.262	0.264	-0.8	89	0.00
82 T	4-Chlorotoluene	2.821	2.918	-3.4	98	0.00
83 T	tert-Butylbenzene	2.462	2.704	-9.8	102	0.00
84 T	1,2,4-Trimethylbenzene	3.020	3.205	-6.1	98	0.00
85 T	sec-Butylbenzene	3.722	3.848	-3.4	97	0.00
86 T	p-Isopropyltoluene	3.103	3.321	-7.0	98	0.00
87 T	1,3-Dichlorobenzene	1.661	1.866	-12.3	104	0.00
88 T	1,4-Dichlorobenzene	1.678	1.832	-9.2	107	0.00
89 T	n-Butylbenzene	3.015	3.233	-7.2	99	0.00
90 T	Hexachloroethane	0.568	0.586	-3.2	101	0.00
91 T	1,2-Dichlorobenzene	1.504	1.699	-13.0	109	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.147	0.155	-5.4	95	0.00
93 T	1,2,4-Trichlorobenzene	0.900	0.991	-10.1	105	0.00
94 T	Hexachlorobutadiene	0.402	0.466	-15.9	118	0.00
95 T	Naphthalene	2.205	2.543	-15.3	102	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
Data File : VW032080.D
Acq On : 14 Aug 2025 09:27
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
LabSampleId :
VSTDCCC050

Quant Time: Aug 18 03:44:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 12 04:04:48 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.819	0.932	-13.8	109	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
Data File : VW032080.D
Acq On : 14 Aug 2025 09:27
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
LabSampleId :
VSTDCCC050

Quant Time: Aug 18 03:44:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 12 04:04:48 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	50.000	50.000	0.0	94	0.00
2 T	Dichlorodifluoromethane	50.000	49.784	0.4	99	0.00
3 P	Chloromethane	50.000	44.563	10.9	92	0.00
4 C	Vinyl Chloride	50.000	47.634	4.7#	98	0.00
5 T	Bromomethane	50.000	53.858	-7.7	107	0.00
6 T	Chloroethane	50.000	51.208	-2.4	101	0.00
7 T	Trichlorofluoromethane	50.000	57.752	-15.5	109	0.00
8 T	Diethyl Ether	50.000	54.020	-8.0	102	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	55.292	-10.6	110	0.01
10 T	Methyl Iodide	50.000	51.502	-3.0	101	0.00
11 T	Tert butyl alcohol	250.000	241.851	3.3	84	0.00
12 CM	1,1-Dichloroethene	50.000	54.052	-8.1#	107	0.00
13 T	Acrolein	250.000	146.845	41.3#	58	0.00
14 T	Allyl chloride	50.000	45.111	9.8	87	0.00
15 T	Acrylonitrile	250.000	253.370	-1.3	90	0.00
16 T	Acetone	250.000	295.783	-18.3	114	0.00
17 T	Carbon Disulfide	50.000	45.000	10.0	88	0.00
18 T	Methyl Acetate	50.000	50.516	-1.0	90	0.00
19 T	Methyl tert-butyl Ether	50.000	50.329	-0.7	91	0.00
20 T	Methylene Chloride	50.000	42.955	14.1	91	0.00
21 T	trans-1,2-Dichloroethene	50.000	50.080	-0.2	96	0.00
22 T	Diisopropyl ether	50.000	49.971	0.1	92	0.00
23 T	Vinyl Acetate	250.000	268.547	-7.4	95	0.00
24 P	1,1-Dichloroethane	50.000	49.263	1.5	95	0.00
25 T	2-Butanone	250.000	271.199	-8.5	95	0.00
26 T	2,2-Dichloropropane	50.000	49.956	0.1	96	0.00
27 T	cis-1,2-Dichloroethene	50.000	51.787	-3.6	98	0.00
28 T	Bromochloromethane	50.000	47.126	5.7	88	0.00
29 T	Tetrahydrofuran	250.000	261.846	-4.7	90	0.00
30 C	Chloroform	50.000	53.058	-6.1#	101	0.00
31 T	Cyclohexane	50.000	45.011	10.0	90	0.00
32 T	1,1,1-Trichloroethane	50.000	51.378	-2.8	101	0.00
33 S	1,2-Dichloroethane-d4	50.000	50.347	-0.7	95	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	91	0.00
35 S	Dibromofluoromethane	50.000	53.483	-7.0	96	0.00
36 T	1,1-Dichloropropene	50.000	53.016	-6.0	94	0.00
37 T	Ethyl Acetate	50.000	58.145	-16.3	96	0.00
38 T	Carbon Tetrachloride	50.000	58.281	-16.6	104	0.00
39 T	Methylcyclohexane	50.000	52.018	-4.0	91	0.00
40 TM	Benzene	50.000	53.892	-7.8	94	0.00
41 T	Methacrylonitrile	50.000	54.674	-9.3	90	0.00
42 TM	1,2-Dichloroethane	50.000	57.820	-15.6	102	0.00
43 T	Isopropyl Acetate	50.000	57.148	-14.3	95	0.00
44 TM	Trichloroethene	50.000	56.237	-12.5	101	0.00
45 C	1,2-Dichloropropane	50.000	53.705	-7.4#	95	0.00
46 T	Dibromomethane	50.000	58.920	-17.8	103	0.00
47 T	Bromodichloromethane	50.000	57.226	-14.5	99	0.00
48 T	Methyl methacrylate	50.000	55.521	-11.0	90	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
Data File : VW032080.D
Acq On : 14 Aug 2025 09:27
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
LabSampleId :
VSTDCCC050

Quant Time: Aug 18 03:44:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 12 04:04:48 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49 T	1,4-Dioxane	1000.000	1132.752	-13.3	90	0.00
50 S	Toluene-d8	50.000	51.355	-2.7	89	0.00
51 T	4-Methyl-2-Pentanone	250.000	298.600	-19.4	97	0.00
52 CM	Toluene	50.000	54.839	-9.7#	95	0.00
53 T	t-1,3-Dichloropropene	50.000	55.768	-11.5	94	0.00
54 T	cis-1,3-Dichloropropene	50.000	54.997	-10.0	93	0.00
55 T	1,1,2-Trichloroethane	50.000	56.613	-13.2	99	0.00
56 T	Ethyl methacrylate	50.000	56.621	-13.2	92	0.00
57 T	1,3-Dichloropropane	50.000	54.740	-9.5	95	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	256.070	-2.4	84	0.00
59 T	2-Hexanone	250.000	303.226	-21.3	96	0.00
60 T	Dibromochloromethane	50.000	60.364	-20.7	105	0.00
61 T	1,2-Dibromoethane	50.000	58.108	-16.2	101	0.00
62 S	4-Bromofluorobenzene	50.000	50.275	-0.5	87	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	89	0.00
64 T	Tetrachloroethene	50.000	57.783	-15.6	107	0.00
65 PM	Chlorobenzene	50.000	55.882	-11.8	102	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	58.241	-16.5	104	0.00
67 C	Ethyl Benzene	50.000	54.505	-9.0#	96	0.00
68 T	m/p-Xylenes	100.000	112.646	-12.6	98	0.00
69 T	o-Xylene	50.000	58.137	-16.3	100	0.00
70 T	Styrene	50.000	57.835	-15.7	99	0.00
71 P	Bromoform	50.000	63.831	-27.7#	107	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	98	0.00
73 T	Isopropylbenzene	50.000	52.307	-4.6	98	0.00
74 T	N-ethyl acetate	50.000	55.601	-11.2	98	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	52.197	-4.4	97	0.00
76 T	1,2,3-Trichloropropane	50.000	47.043	5.9	81	0.00
77 T	Bromobenzene	50.000	53.753	-7.5	100	0.00
78 T	n-propylbenzene	50.000	53.406	-6.8	100	0.00
79 T	2-Chlorotoluene	50.000	51.172	-2.3	97	0.00
80 T	1,3,5-Trimethylbenzene	50.000	53.983	-8.0	101	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	50.402	-0.8	89	0.00
82 T	4-Chlorotoluene	50.000	51.725	-3.5	98	0.00
83 T	tert-Butylbenzene	50.000	54.905	-9.8	102	0.00
84 T	1,2,4-Trimethylbenzene	50.000	53.062	-6.1	98	0.00
85 T	sec-Butylbenzene	50.000	51.695	-3.4	97	0.00
86 T	p-Isopropyltoluene	50.000	53.502	-7.0	98	0.00
87 T	1,3-Dichlorobenzene	50.000	56.169	-12.3	104	0.00
88 T	1,4-Dichlorobenzene	50.000	54.595	-9.2	107	0.00
89 T	n-Butylbenzene	50.000	53.618	-7.2	99	0.00
90 T	Hexachloroethane	50.000	51.649	-3.3	101	0.00
91 T	1,2-Dichlorobenzene	50.000	56.464	-12.9	109	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	52.473	-4.9	95	0.00
93 T	1,2,4-Trichlorobenzene	50.000	55.052	-10.1	105	0.00
94 T	Hexachlorobutadiene	50.000	57.968	-15.9	118	0.00
95 T	Naphthalene	50.000	57.653	-15.3	102	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
Data File : VW032080.D
Acq On : 14 Aug 2025 09:27
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
LabSampleId :
VSTDCCC050

Quant Time: Aug 18 03:44:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 12 04:04:48 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	56.917	-13.8	109	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6



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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>FIRS02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q2820</u>
Instrument ID:	<u>MSVOA_W</u>	Calibration Date/Time:	<u>08/14/2025 19:32</u>
Lab File ID:	<u>VW032105.D</u>	Init. Calib. Date(s):	<u>08/11/2025 08/11/2025</u>
Heated Purge: (Y/N)	<u>Y</u>	Init. Calib. Time(s):	<u>08:25 11:08</u>
GC Column:	<u>RXI-624</u>	ID:	<u>0.25</u> (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.358	0.320		-10.61	50
Chloromethane	0.482	0.409	0.1	-15.15	50
Vinyl Chloride	0.583	0.500		-14.24	50
Bromomethane	0.437	0.428		-2.06	50
Chloroethane	0.386	0.359		-6.99	50
Trichlorofluoromethane	0.467	0.483		3.43	50
1,1,2-Trichlorotrifluoroethane	0.551	0.543		-1.45	50
1,1-Dichloroethene	0.606	0.595		-1.82	50
Acetone	0.167	0.155		-7.19	50
Carbon Disulfide	1.628	1.296		-20.39	50
Methyl tert-butyl Ether	1.068	1.004		-5.99	50
Methyl Acetate	0.530	0.562		6.04	50
Methylene Chloride	0.774	0.649		-16.15	50
trans-1,2-Dichloroethene	0.644	0.594		-7.76	50
1,1-Dichloroethane	1.189	1.090	0.1	-8.33	50
Cyclohexane	1.031	0.799		-22.5	50
2-Butanone	0.238	0.223		-6.3	50
Carbon Tetrachloride	0.439	0.449		2.28	50
cis-1,2-Dichloroethene	0.752	0.737		-2	50
Bromochloromethane	0.541	0.553		2.22	50
Chloroform	1.260	1.273		1.03	50
1,1,1-Trichloroethane	0.915	0.845		-7.65	50
Methylcyclohexane	0.555	0.498		-10.27	50
Benzene	1.415	1.412		-0.21	50
1,2-Dichloroethane	0.453	0.496		9.49	50
Trichloroethene	0.337	0.343		1.78	50
1,2-Dichloropropane	0.342	0.340		-0.58	50
Bromodichloromethane	0.509	0.543		6.68	50
4-Methyl-2-Pentanone	0.279	0.300		7.53	50
Toluene	0.892	0.913		2.35	50
t-1,3-Dichloropropene	0.476	0.465		-2.31	50
cis-1,3-Dichloropropene	0.541	0.523		-3.33	50
1,1,2-Trichloroethane	0.293	0.307		4.78	50
2-Hexanone	0.193	0.209		8.29	50
Dibromochloromethane	0.335	0.360		7.46	50
1,2-Dibromoethane	0.285	0.303		6.32	50
Tetrachloroethene	0.289	0.328		13.49	50
Chlorobenzene	1.088	1.070	0.3	-1.65	50

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



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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>FIRS02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q2820</u>
Instrument ID:	<u>MSVOA_W</u>	Calibration Date/Time:	<u>08/14/2025</u> <u>19:32</u>
Lab File ID:	<u>VW032105.D</u>	Init. Calib. Date(s):	<u>08/11/2025</u> <u>08/11/2025</u>
Heated Purge: (Y/N)	<u>Y</u>	Init. Calib. Time(s):	<u>08:25</u> <u>11:08</u>
GC Column:	<u>RXI-624</u>	ID:	<u>0.25</u> (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.843	1.846		0.16	50
m/p-Xylenes	0.711	0.699		-1.69	50
o-Xylene	0.657	0.665		1.22	50
Styrene	1.168	1.204		3.08	50
Bromoform	0.194	0.214	0.1	10.31	50
Isopropylbenzene	3.494	3.253		-6.9	50
1,1,2,2-Tetrachloroethane	0.830	0.789	0.3	-4.94	50
1,3-Dichlorobenzene	1.661	1.628		-1.99	50
1,4-Dichlorobenzene	1.678	1.633		-2.68	50
1,2-Dichlorobenzene	1.504	1.469		-2.33	50
1,2-Dibromo-3-Chloropropane	0.147	0.132		-10.2	50
1,2,4-Trichlorobenzene	0.900	0.879		-2.33	50
1,2,3-Trichlorobenzene	0.819	0.820		0.12	50
1,2-Dichloroethane-d4	0.723	0.767		6.09	50
Dibromofluoromethane	0.323	0.350		8.36	50
Toluene-d8	1.195	1.268		6.11	50
4-Bromofluorobenzene	0.440	0.446		1.36	50

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
 Data File : VW032105.D
 Acq On : 14 Aug 2025 19:32
 Operator : SY/MD
 Sample : VSTDC0050
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDC0050EC

Quant Time: Aug 18 03:58:13 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 12 04:04:48 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 08/19/2025
 Supervised By : Mahesh Dadoda 08/19/2025

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

Internal Standards						
1) Pentafluorobenzene	7.959	168	191295	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	340189	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	325940	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	166040	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.319	65	146710	53.028	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	= 106.060%	
35) Dibromofluoromethane	7.904	113	119167	54.222	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	= 108.440%	
50) Toluene-d8	10.331	98	431442	53.076	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	= 106.160%	
62) 4-Bromofluorobenzene	12.617	95	151827	50.684	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	= 101.360%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.045	85	61255	44.771	ug/l	96
3) Chloromethane	2.259	50	78292	42.481	ug/l	99
4) Vinyl Chloride	2.405	62	95665	42.913	ug/l	93
5) Bromomethane	2.826	94	81791	48.904	ug/l	96
6) Chloroethane	2.972	64	68704	46.574	ug/l	100
7) Trichlorofluoromethane	3.301	101	92479	51.784	ug/l	97
8) Diethyl Ether	3.722	74	75008	51.265	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.100	101	103933	49.330	ug/l	98
10) Methyl Iodide	4.313	142	144087	48.234	ug/l	97
11) Tert butyl alcohol	5.228	59	36969	206.356	ug/l	96
12) 1,1-Dichloroethene	4.082	96	113815	49.059	ug/l	97
13) Acrolein	3.929	56	35987	126.071	ug/l	97
14) Allyl chloride	4.703	41	134232	39.755	ug/l #	87
15) Acrylonitrile	5.405	53	159692	229.148	ug/l	99
16) Acetone	4.161	43	148614	232.009	ug/l	97
17) Carbon Disulfide	4.423	76	247936	39.816	ug/l	99
18) Methyl Acetate	4.710	43	107582	53.076	ug/l	100
19) Methyl tert-butyl Ether	5.466	73	192043	46.982	ug/l	94
20) Methylene Chloride	4.953	84	124065	41.890	ug/l	96
21) trans-1,2-Dichloroethene	5.453	96	113537	46.116	ug/l	97
22) Diisopropyl ether	6.343	45	335676	47.159	ug/l	96
23) Vinyl Acetate	6.282	43	1070647	229.096	ug/l	97
24) 1,1-Dichloroethane	6.246	63	208500	45.846	ug/l	99
25) 2-Butanone	7.197	43	213535	234.553	ug/l	96
26) 2,2-Dichloropropane	7.191	77	89156	39.077	ug/l	99
27) cis-1,2-Dichloroethene	7.191	96	141078	49.023	ug/l	95
28) Bromochloromethane	7.532	49	105860	51.150	ug/l	98
29) Tetrahydrofuran	7.557	42	143851	239.596	ug/l	100
30) Chloroform	7.691	83	243601	50.525	ug/l	95
31) Cyclohexane	7.971	56	152916	38.784	ug/l	98
32) 1,1,1-Trichloroethane	7.886	97	161712	46.176	ug/l	98
36) 1,1-Dichloropropene	8.093	75	148951	48.076	ug/l	99
37) Ethyl Acetate	7.276	43	92875	50.898	ug/l	97
38) Carbon Tetrachloride	8.081	117	152872	51.129	ug/l	96
39) Methylcyclohexane	9.343	83	169525	44.891	ug/l	94
40) Benzene	8.337	78	480231	49.865	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
 Data File : VW032105.D
 Acq On : 14 Aug 2025 19:32
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Aug 18 03:58:13 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 12 04:04:48 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 08/19/2025
 Supervised By : Mahesh Dadoda 08/19/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.502	41	50217	48.528	ug/l	91
42) 1,2-Dichloroethane	8.410	62	168647	54.726	ug/l	98
43) Isopropyl Acetate	8.434	43	169753	50.564	ug/l	99
44) Trichloroethene	9.105	130	116771	50.915	ug/l	96
45) 1,2-Dichloropropane	9.373	63	115794	49.769	ug/l	97
46) Dibromomethane	9.465	93	79744	53.105	ug/l	96
47) Bromodichloromethane	9.654	83	184629	53.359	ug/l	95
48) Methyl methacrylate	9.440	41	82474	50.886	ug/l #	90
49) 1,4-Dioxane	9.459	88	20213	1041.083	ug/l	93
51) 4-Methyl-2-Pentanone	10.215	43	510331	269.316	ug/l	96
52) Toluene	10.391	92	310694	51.219	ug/l	99
53) t-1,3-Dichloropropene	10.611	75	158355	48.849	ug/l	100
54) cis-1,3-Dichloropropene	10.081	75	177874	48.366	ug/l	91
55) 1,1,2-Trichloroethane	10.788	97	104590	52.415	ug/l	96
56) Ethyl methacrylate	10.648	69	138833	51.993	ug/l #	92
57) 1,3-Dichloropropane	10.934	76	176713	50.807	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.928	63	400276	271.010	ug/l	100
59) 2-Hexanone	10.971	43	354969	270.484	ug/l	96
60) Dibromochloromethane	11.129	129	122381	53.691	ug/l	99
61) 1,2-Dibromoethane	11.233	107	102979	53.107	ug/l	99
64) Tetrachloroethene	10.861	164	107005	56.838	ug/l	92
65) Chlorobenzene	11.660	112	348750	49.157	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.727	131	118751	53.648	ug/l	96
67) Ethyl Benzene	11.733	91	601685	50.069	ug/l	96
68) m/p-Xylenes	11.836	106	455888	98.314	ug/l	98
69) o-Xylene	12.166	106	216903	50.609	ug/l	96
70) Styrene	12.178	104	392538	51.563	ug/l	98
71) Bromoform	12.355	173	69699	55.047	ug/l #	95
73) Isopropylbenzene	12.464	105	540086	46.544	ug/l	98
74) N-amyl acetate	12.269	43	156756	47.086	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.708	83	130940	47.526	ug/l	99
76) 1,2,3-Trichloropropane	12.763	75	95304m	42.291	ug/l	
77) Bromobenzene	12.745	156	132649	47.862	ug/l	94
78) n-propylbenzene	12.800	91	674775	47.233	ug/l	100
79) 2-Chlorotoluene	12.891	91	405968	46.044	ug/l	98
80) 1,3,5-Trimethylbenzene	12.940	105	460118	46.706	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.507	75	34614	39.765	ug/l	90
82) 4-Chlorotoluene	12.989	91	431266	46.038	ug/l	98
83) tert-Butylbenzene	13.202	119	401156	49.066	ug/l	97
84) 1,2,4-Trimethylbenzene	13.245	105	475052	47.371	ug/l	99
85) sec-Butylbenzene	13.379	105	568054	45.955	ug/l	99
86) p-Isopropyltoluene	13.495	119	472729	45.874	ug/l	97
87) 1,3-Dichlorobenzene	13.495	146	270340	49.021	ug/l	97
88) 1,4-Dichlorobenzene	13.574	146	271213	48.665	ug/l	98
89) n-Butylbenzene	13.818	91	466468	46.594	ug/l	99
90) Hexachloroethane	14.086	117	87184	46.262	ug/l	96
91) 1,2-Dichlorobenzene	13.866	146	243969	48.837	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.482	75	21865	44.641	ug/l	98
93) 1,2,4-Trichlorobenzene	15.122	180	146018	48.861	ug/l	96
94) Hexachlorobutadiene	15.226	225	67884	50.817	ug/l	92
95) Naphthalene	15.354	128	345629	47.200	ug/l	98
96) 1,2,3-Trichlorobenzene	15.543	180	136101	50.054	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
Data File : VW032105.D
Acq On : 14 Aug 2025 19:32
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Aug 18 03:58:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 12 04:04:48 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025

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

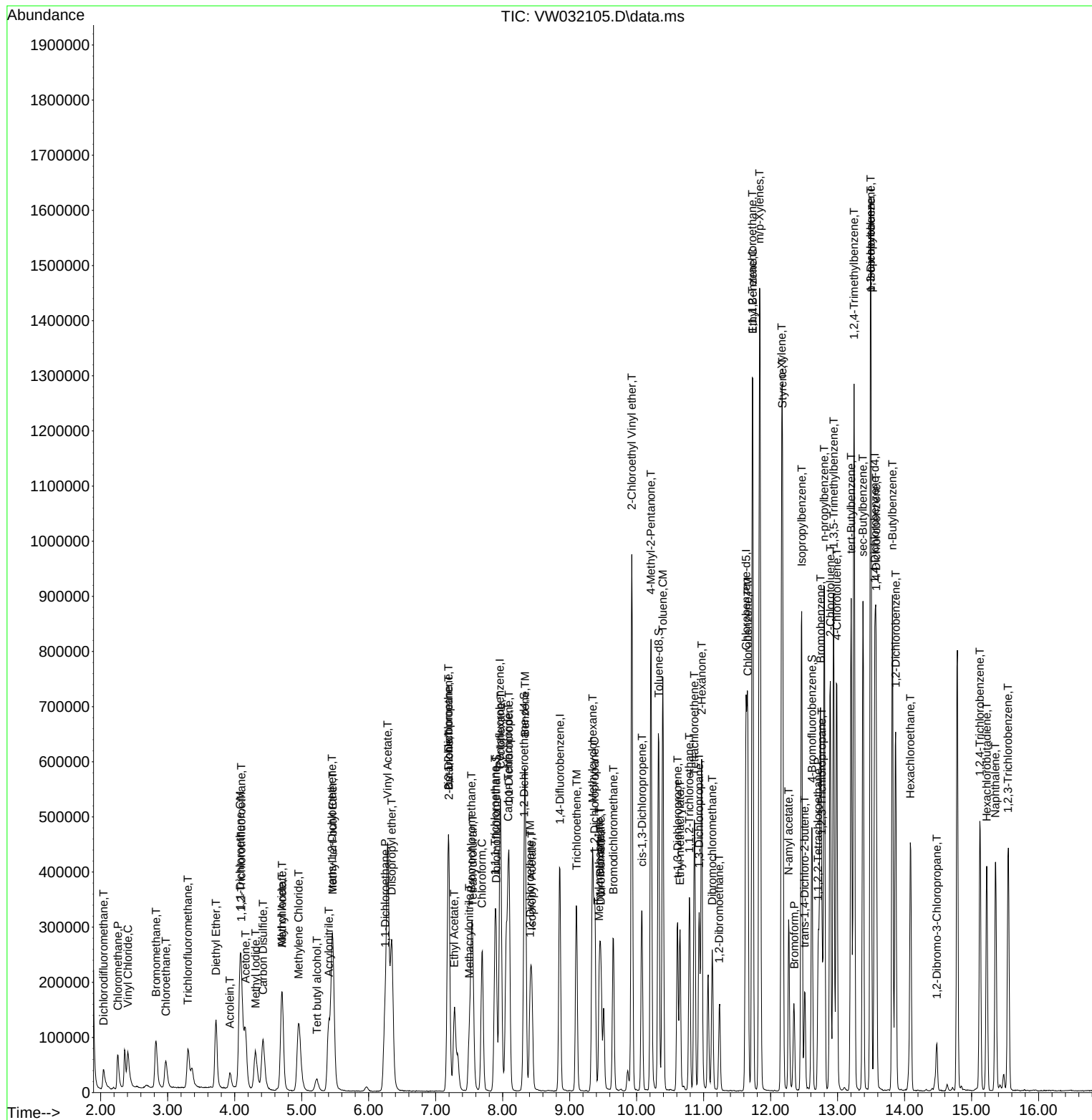
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
 Data File : VW032105.D
 Acq On : 14 Aug 2025 19:32
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 29 Sample Multiplier: 1

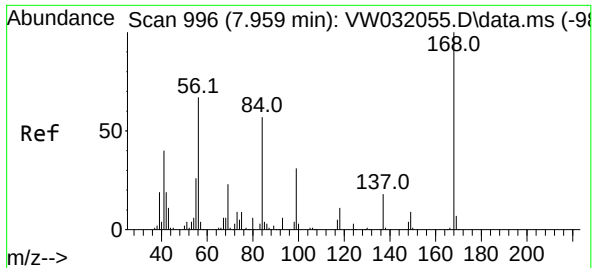
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Aug 18 03:58:13 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 12 04:04:48 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

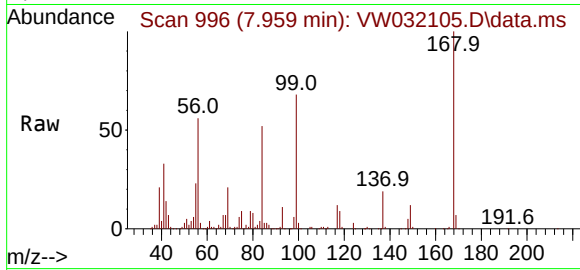
Reviewed By :Semsettin Yesilyurt 08/19/2025
 Supervised By :Mahesh Dadoda 08/19/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 99
Delta R.T. -0.000 min
Lab File: VW032105.D
Acq: 14 Aug 2025 19:32

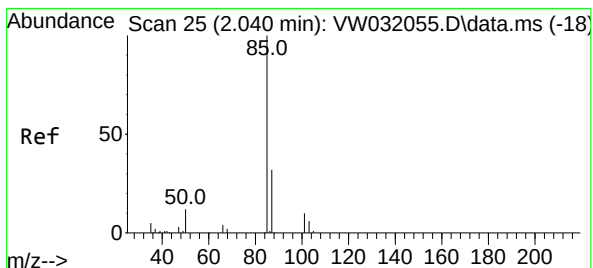
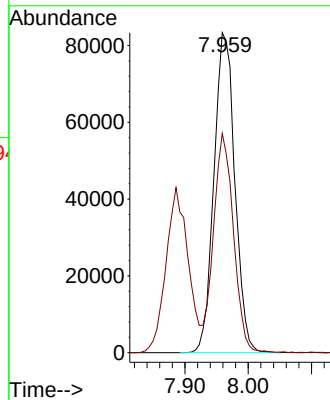
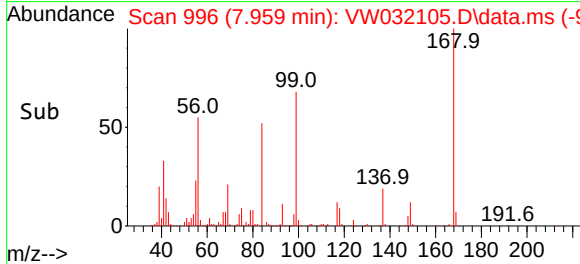
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC



Tgt Ion: 168 Resp: 19129
Ion Ratio Lower Upper
168 100
99 68.3 56.0 84.0

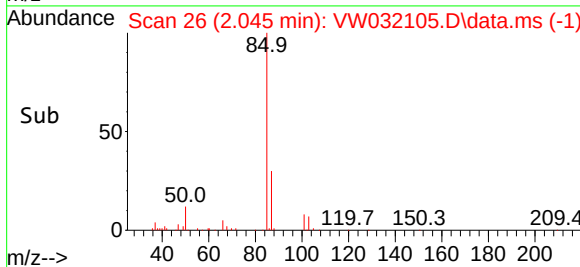
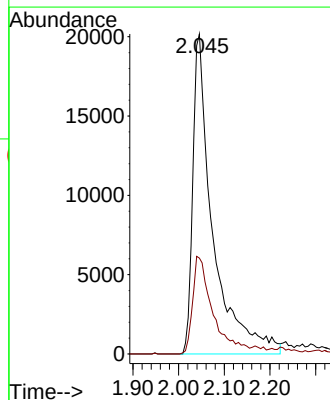
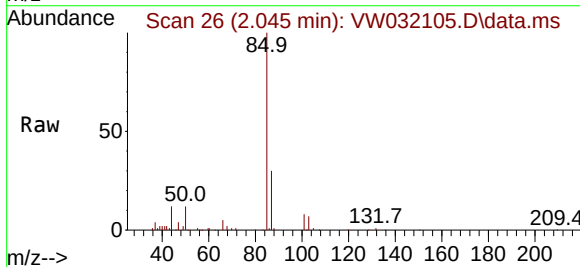
Manual Integrations
APPROVED

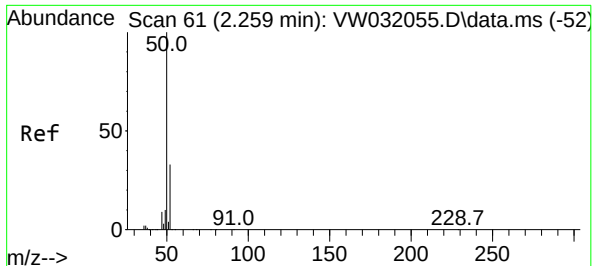
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025



#2
Dichlorodifluoromethane
Concen: 44.771 ug/l
RT: 2.045 min Scan# 26
Delta R.T. 0.006 min
Lab File: VW032105.D
Acq: 14 Aug 2025 19:32

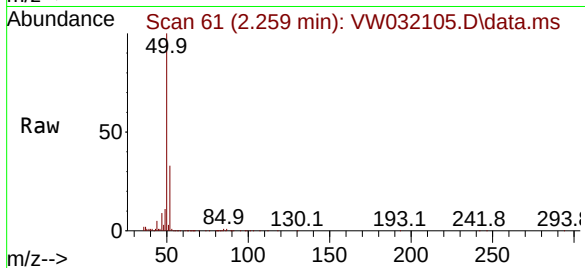
Tgt Ion: 85 Resp: 61255
Ion Ratio Lower Upper
85 100
87 29.9 16.2 48.6





#3
Chloromethane
Concen: 42.481 ug/l
RT: 2.259 min Scan# 61
Delta R.T. -0.000 min
Lab File: VW032105.D
Acq: 14 Aug 2025 19:32

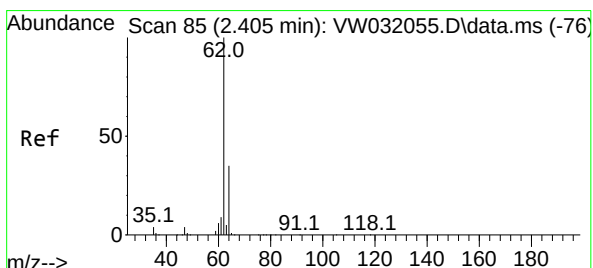
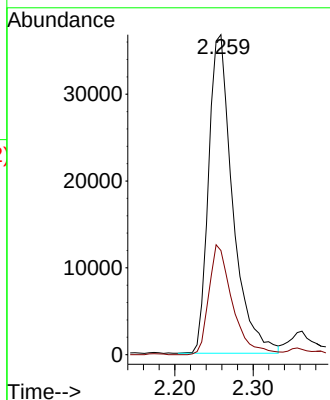
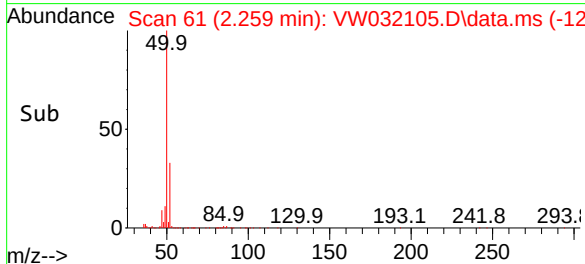
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC



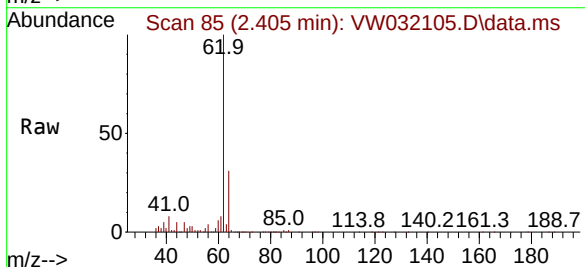
Tgt Ion: 50 Resp: 78292
Ion Ratio Lower Upper
50 100
52 32.7 26.6 39.8

Manual Integrations
APPROVED

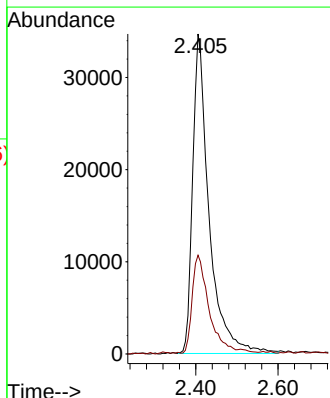
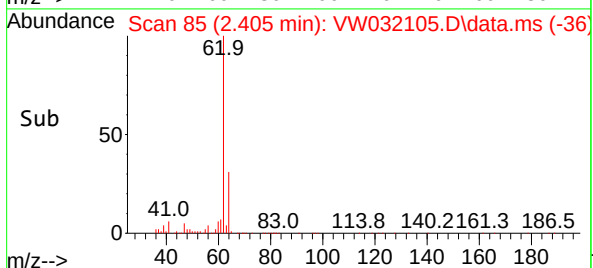
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025

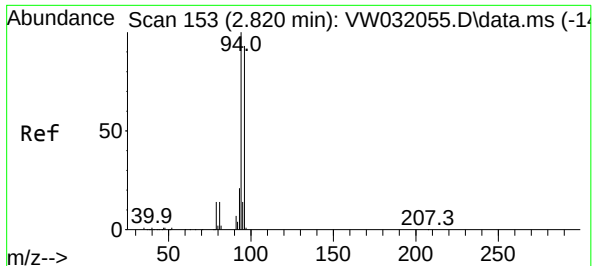


#4
Vinyl Chloride
Concen: 42.913 ug/l
RT: 2.405 min Scan# 85
Delta R.T. -0.000 min
Lab File: VW032105.D
Acq: 14 Aug 2025 19:32



Tgt Ion: 62 Resp: 95665
Ion Ratio Lower Upper
62 100
64 30.6 27.8 41.6





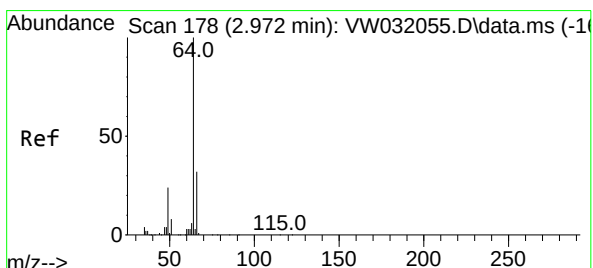
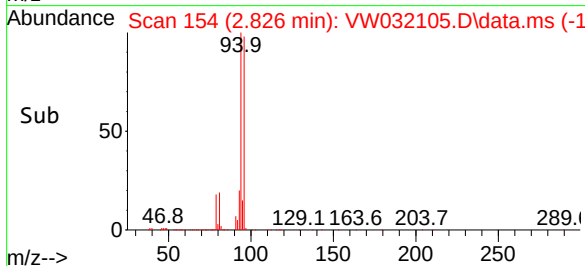
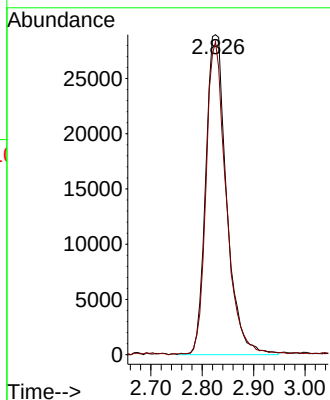
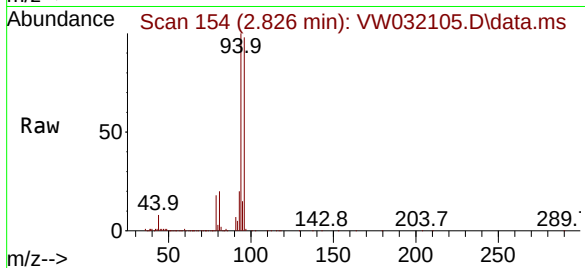
#5
Bromomethane
Concen: 48.904 ug/l
RT: 2.826 min Scan# 154
Delta R.T. 0.006 min
Lab File: VW032105.D
Acq: 14 Aug 2025 19:32

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 94 Resp: 8179
Ion Ratio Lower Upper
94 100
96 97.6 74.7 112.1

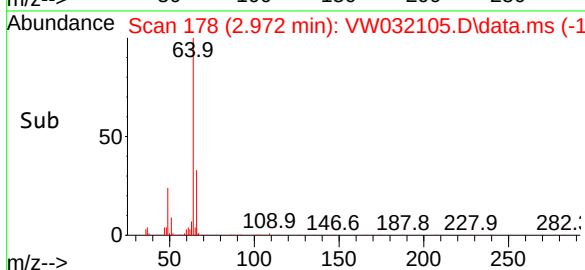
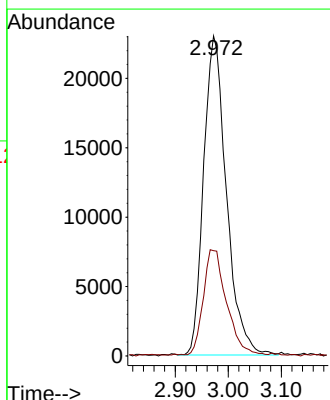
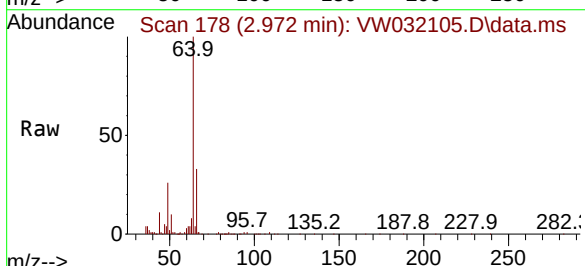
Manual Integrations
APPROVED

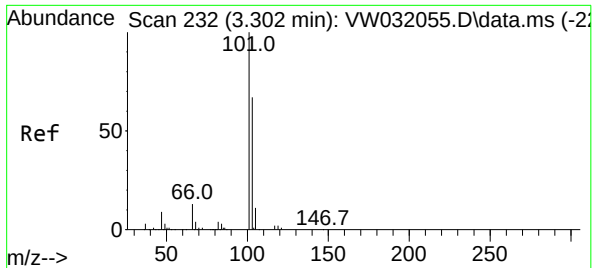
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025



#6
Chloroethane
Concen: 46.574 ug/l
RT: 2.972 min Scan# 178
Delta R.T. -0.000 min
Lab File: VW032105.D
Acq: 14 Aug 2025 19:32

Tgt Ion: 64 Resp: 68704
Ion Ratio Lower Upper
64 100
66 32.6 26.0 39.0





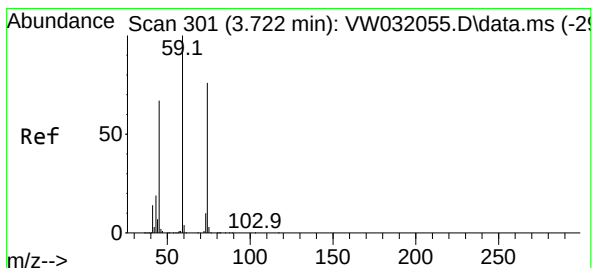
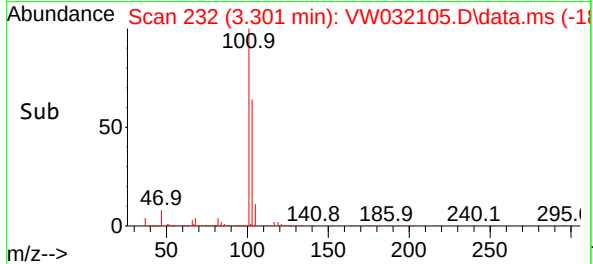
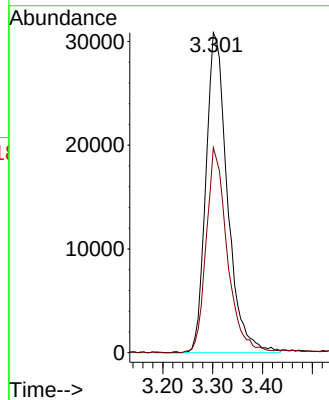
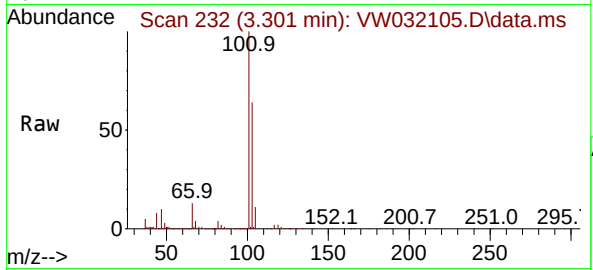
#7
Trichlorofluoromethane
Concen: 51.784 ug/l
RT: 3.301 min Scan# 21
Delta R.T. -0.000 min
Lab File: VW032105.D
Acq: 14 Aug 2025 19:32

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion:101 Resp: 92479
Ion Ratio Lower Upper
101 100
103 64.0 53.4 80.0

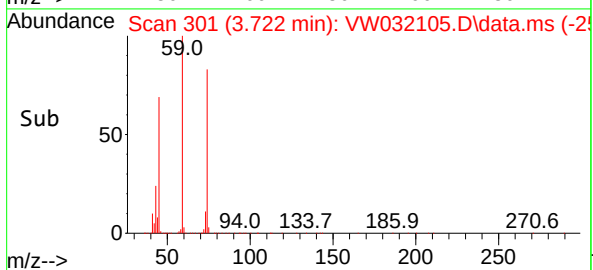
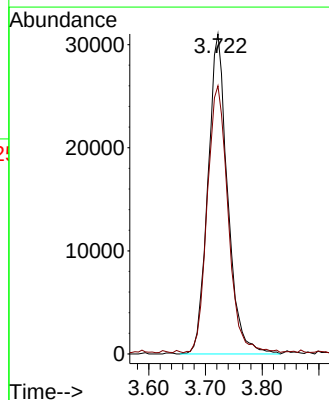
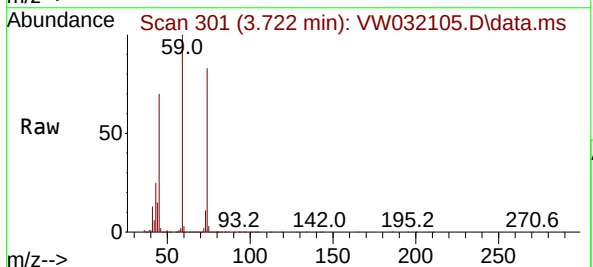
Manual Integrations
APPROVED

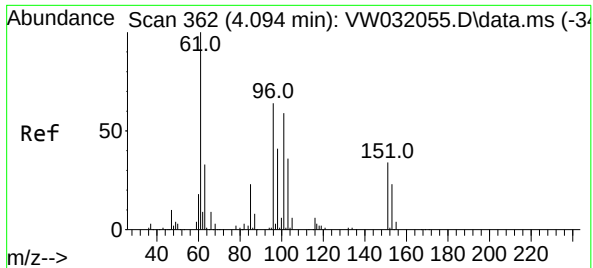
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025



#8
Diethyl Ether
Concen: 51.265 ug/l
RT: 3.722 min Scan# 301
Delta R.T. -0.000 min
Lab File: VW032105.D
Acq: 14 Aug 2025 19:32

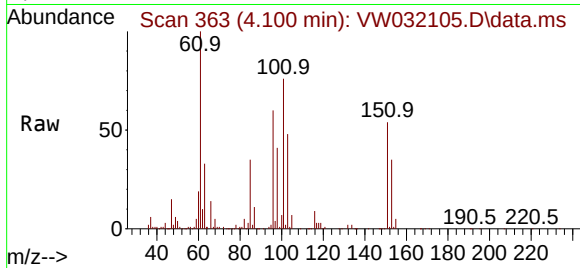
Tgt Ion: 74 Resp: 75008
Ion Ratio Lower Upper
74 100
45 88.0 45.4 136.2





#9
1,1,2-Trichlorotrifluoroethane
Concen: 49.330 ug/l
RT: 4.100 min Scan# 363
Delta R.T. 0.006 min
Lab File: VW032105.D
Acq: 14 Aug 2025 19:32

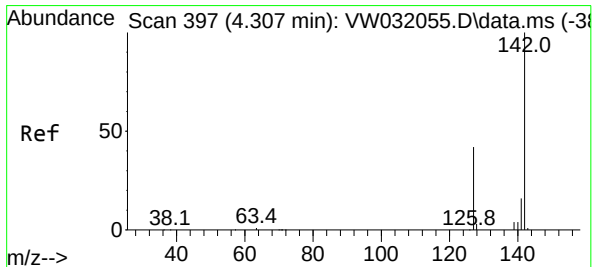
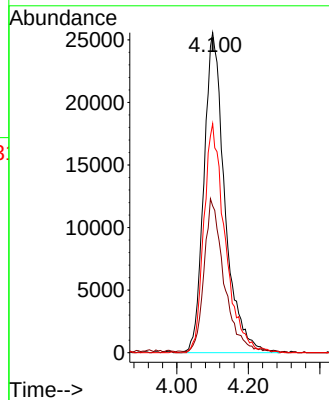
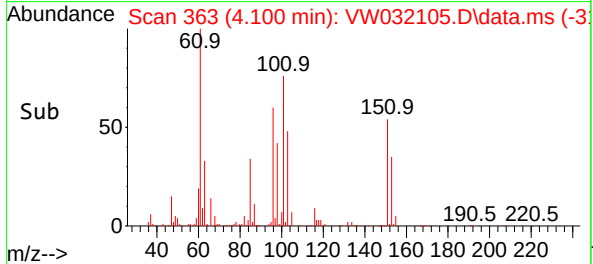
Instrument :
MSVOA_W
ClientSampleId :
VSTDC050EC



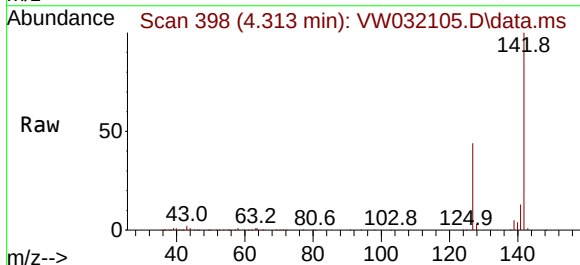
Tgt Ion:101 Resp: 10393
Ion Ratio Lower Upper
101 100
85 45.2 34.9 52.3
151 72.2 56.2 84.4

Manual Integrations
APPROVED

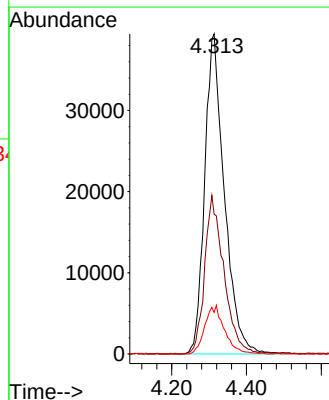
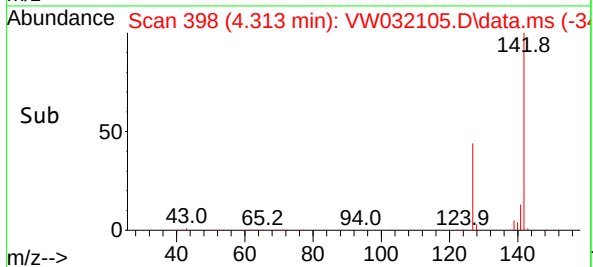
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025

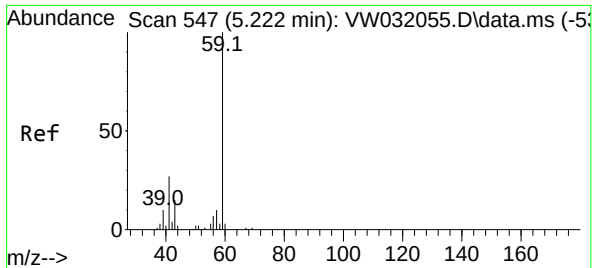


#10
Methyl Iodide
Concen: 48.234 ug/l
RT: 4.313 min Scan# 398
Delta R.T. 0.006 min
Lab File: VW032105.D
Acq: 14 Aug 2025 19:32



Tgt Ion:142 Resp: 144087
Ion Ratio Lower Upper
142 100
127 48.3 36.6 55.0
141 15.2 12.1 18.1





#11

Tert butyl alcohol

Concen: 206.356 ug/l

RT: 5.228 min Scan# 547

Delta R.T. 0.006 min

Lab File: VW032105.D

Acq: 14 Aug 2025 19:32

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 59 Resp: 3696

Ion Ratio Lower Upper

59 100

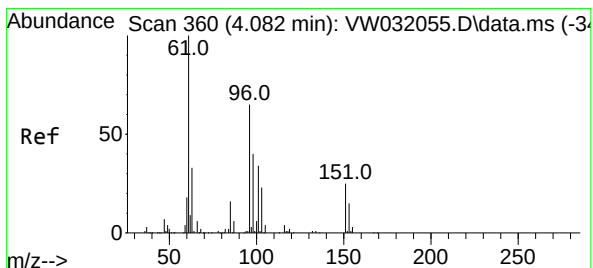
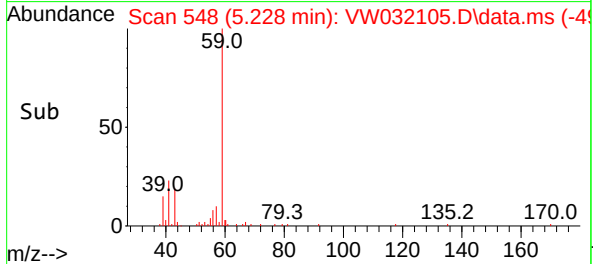
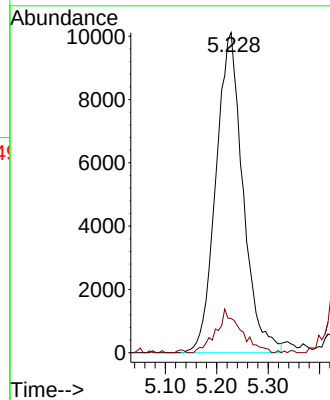
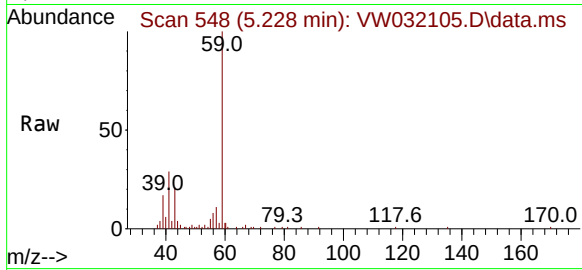
57 12.5 8.7 13.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/19/2025

Supervised By :Mahesh Dadoda 08/19/2025



#12

1,1-Dichloroethene

Concen: 49.059 ug/l

RT: 4.082 min Scan# 360

Delta R.T. -0.000 min

Lab File: VW032105.D

Acq: 14 Aug 2025 19:32

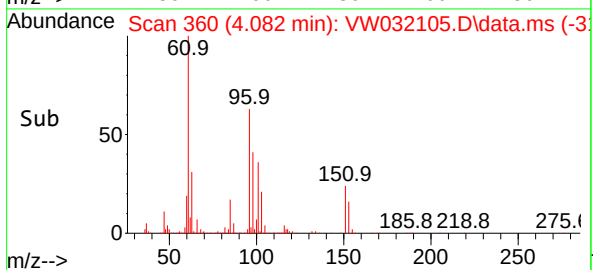
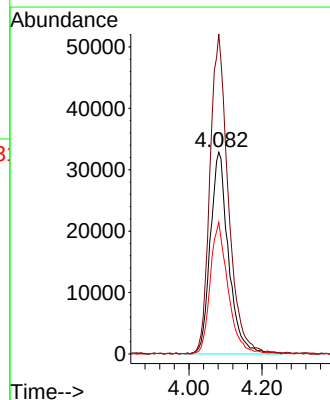
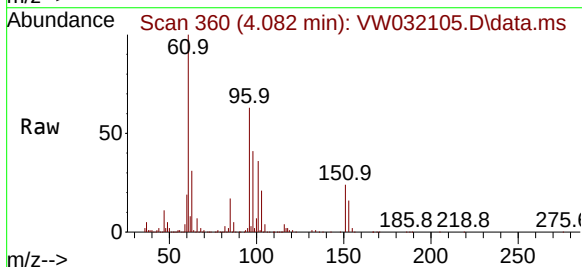
Tgt Ion: 96 Resp: 113815

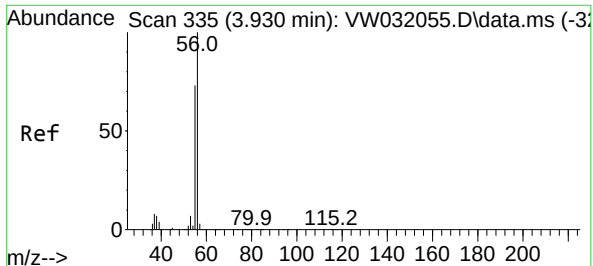
Ion Ratio Lower Upper

96 100

61 158.4 123.4 185.2

98 65.2 49.5 74.3





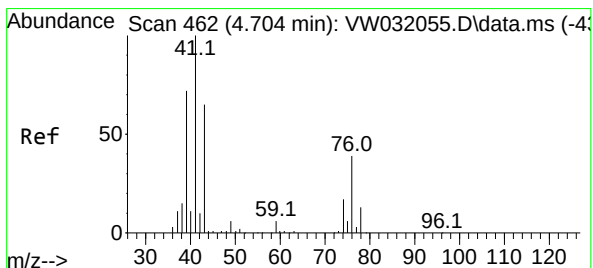
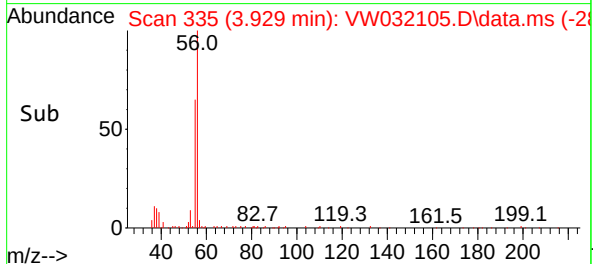
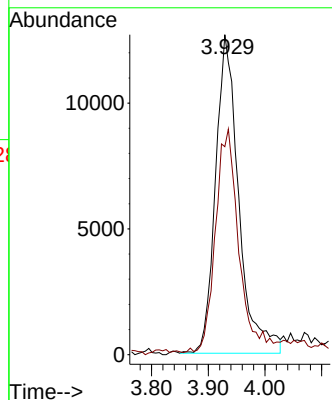
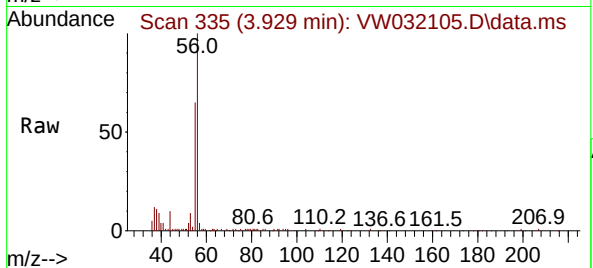
#13
Acrolein
Concen: 126.071 ug/l
RT: 3.929 min Scan# 31
Delta R.T. -0.000 min
Lab File: VW032105.D
Acq: 14 Aug 2025 19:32

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 3598
Ion Ratio Lower Upper
56 100
55 71.4 55.4 83.2

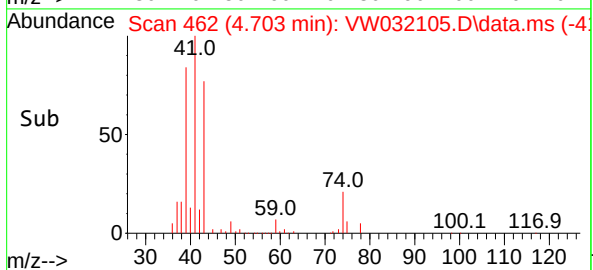
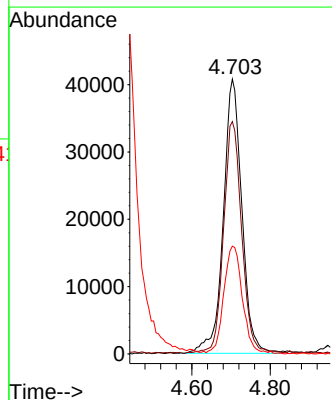
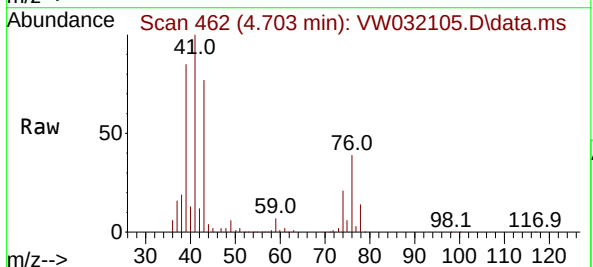
Manual Integrations
APPROVED

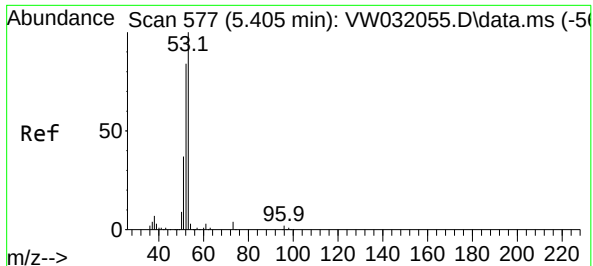
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025



#14
Allyl chloride
Concen: 39.755 ug/l
RT: 4.703 min Scan# 462
Delta R.T. -0.000 min
Lab File: VW032105.D
Acq: 14 Aug 2025 19:32

Tgt Ion: 41 Resp: 134232
Ion Ratio Lower Upper
41 100
39 82.9 54.5 81.7#
76 38.9 29.3 43.9





#15

Acrylonitrile

Concen: 229.148 ug/l

RT: 5.405 min Scan# 51

Delta R.T. -0.000 min

Lab File: VW032105.D

Acq: 14 Aug 2025 19:32

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 53 Resp: 15969

Ion Ratio Lower Upper

53 100

52 83.6 66.1 99.1

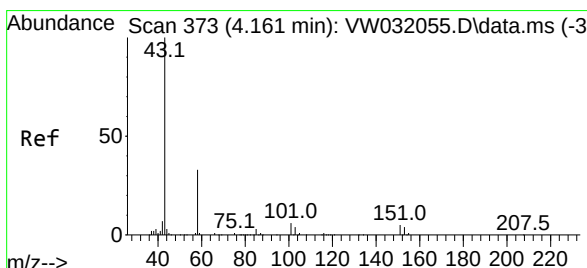
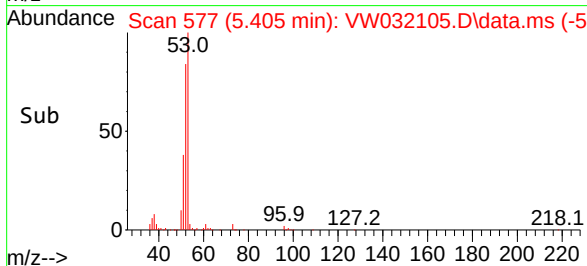
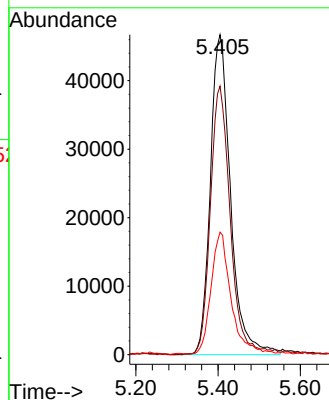
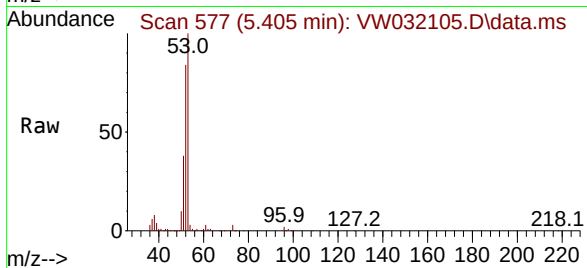
51 37.5 29.2 43.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/19/2025

Supervised By :Mahesh Dadoda 08/19/2025



#16

Acetone

Concen: 232.009 ug/l

RT: 4.161 min Scan# 373

Delta R.T. -0.000 min

Lab File: VW032105.D

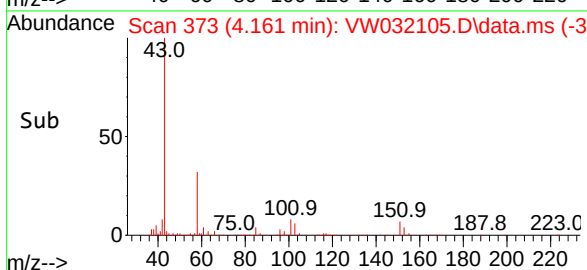
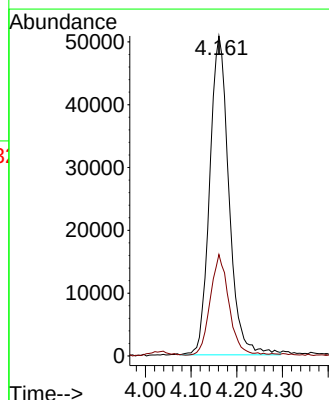
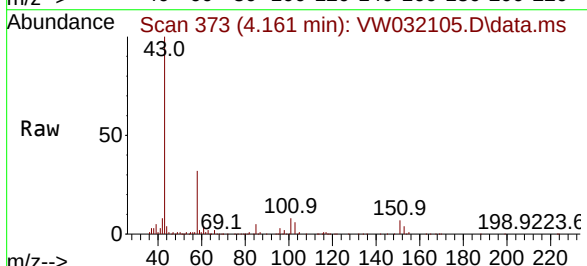
Acq: 14 Aug 2025 19:32

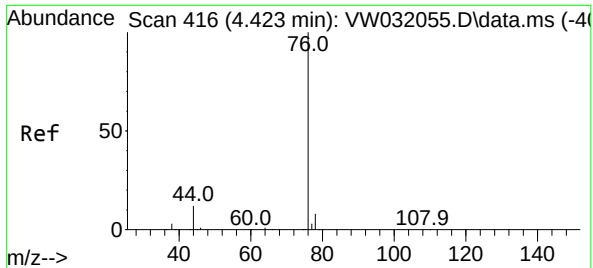
Tgt Ion: 43 Resp: 148614

Ion Ratio Lower Upper

43 100

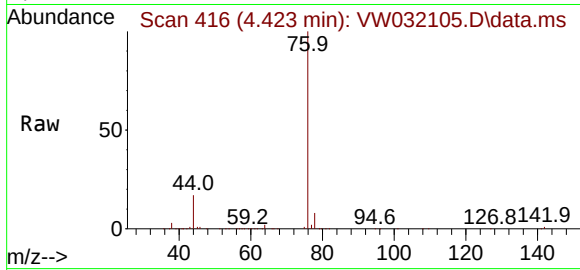
58 31.4 26.6 39.8





#17
Carbon Disulfide
Concen: 39.816 ug/l
RT: 4.423 min Scan# 416
Delta R.T. -0.000 min
Lab File: VW032105.D
Acq: 14 Aug 2025 19:32

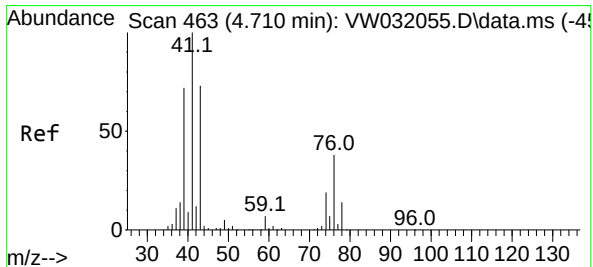
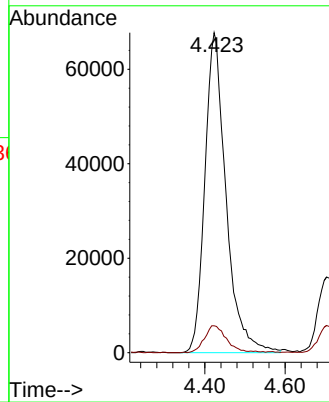
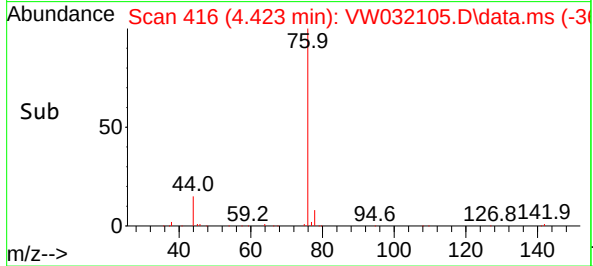
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC



Tgt Ion: 76 Resp: 247930
Ion Ratio Lower Upper
76 100
78 8.4 6.4 9.6

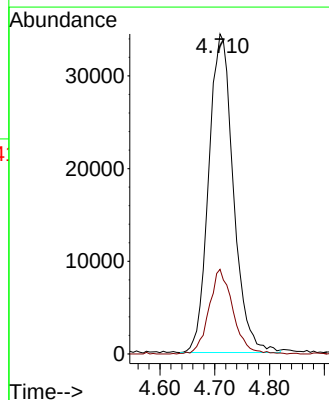
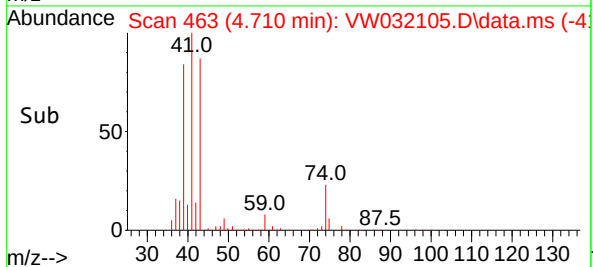
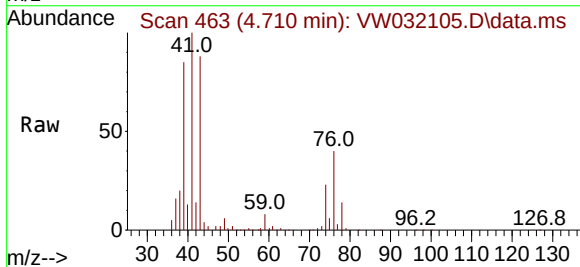
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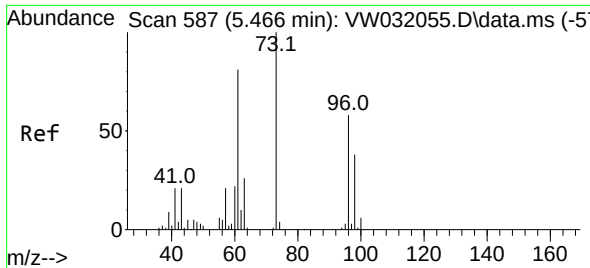
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025



#18
Methyl Acetate
Concen: 53.076 ug/l
RT: 4.710 min Scan# 463
Delta R.T. -0.000 min
Lab File: VW032105.D
Acq: 14 Aug 2025 19:32

Tgt Ion: 43 Resp: 107582
Ion Ratio Lower Upper
43 100
74 25.7 20.6 31.0





#19

Methyl tert-butyl Ether

Concen: 46.982 ug/l

RT: 5.466 min Scan# 51

Delta R.T. -0.000 min

Lab File: VW032105.D

Acq: 14 Aug 2025 19:32

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 73 Resp: 19204

Ion Ratio Lower Upper

73 100

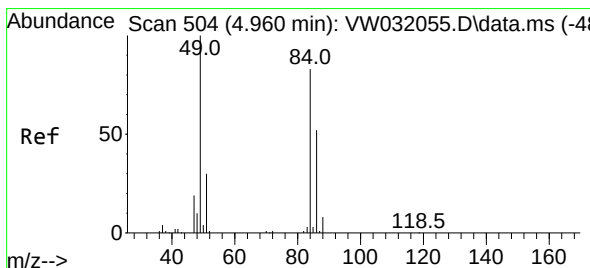
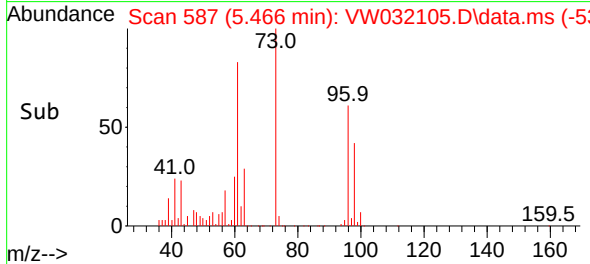
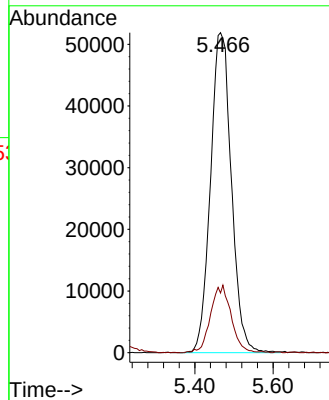
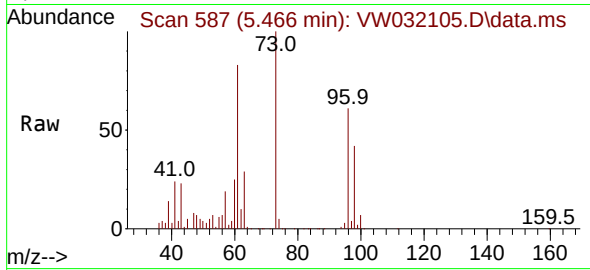
57 18.6 17.2 25.8

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 08/19/2025

Supervised By :Mahesh Dadoda 08/19/2025



#20

Methylene Chloride

Concen: 41.890 ug/l

RT: 4.953 min Scan# 503

Delta R.T. -0.006 min

Lab File: VW032105.D

Acq: 14 Aug 2025 19:32

Tgt Ion: 84 Resp: 124065

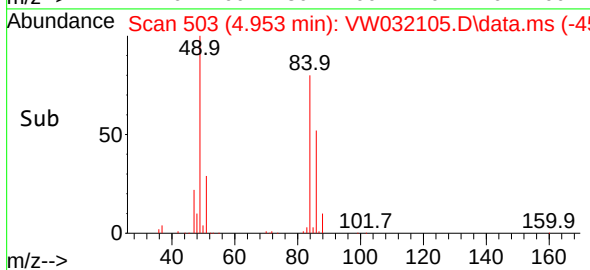
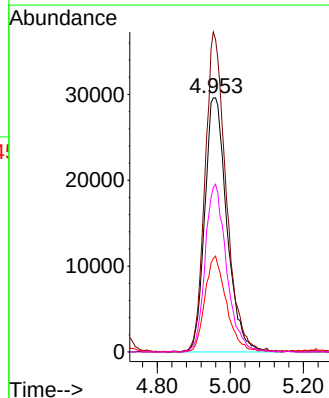
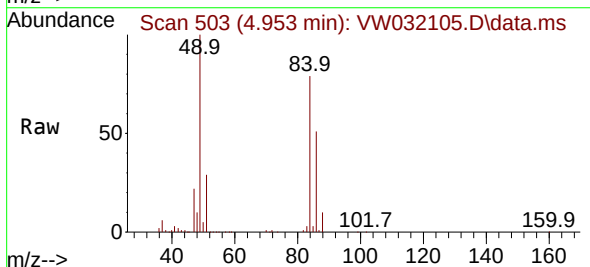
Ion Ratio Lower Upper

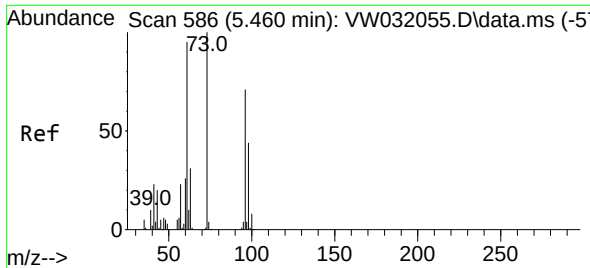
84 100

49 125.7 95.9 143.9

51 36.7 28.6 43.0

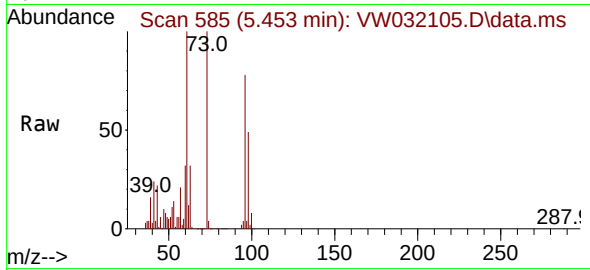
86 64.7 49.6 74.4





#21
trans-1,2-Dichloroethene
Concen: 46.116 ug/l
RT: 5.453 min Scan# 586
Delta R.T. -0.006 min
Lab File: VW032105.D
Acq: 14 Aug 2025 19:32

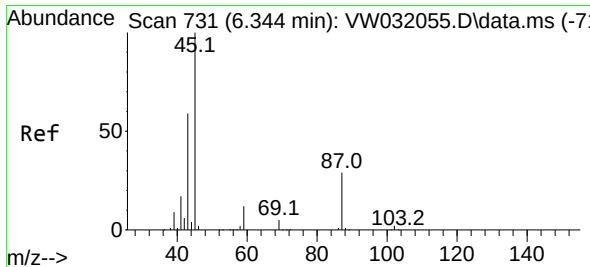
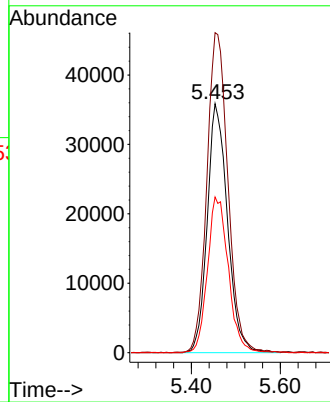
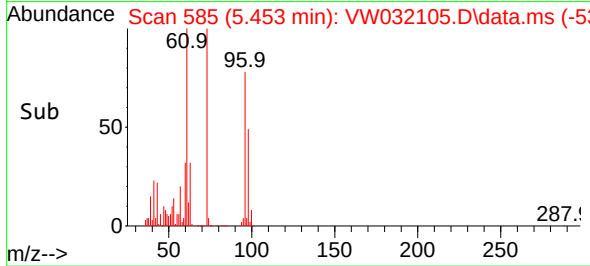
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC



Tgt Ion: 96 Resp: 11353
Ion Ratio Lower Upper
96 100
61 128.3 106.8 160.2
98 62.5 49.6 74.4

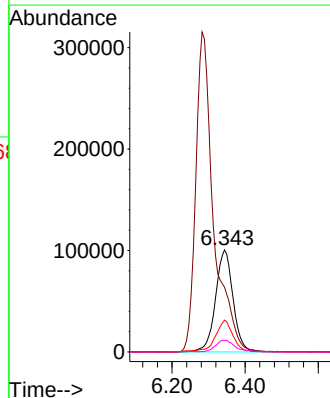
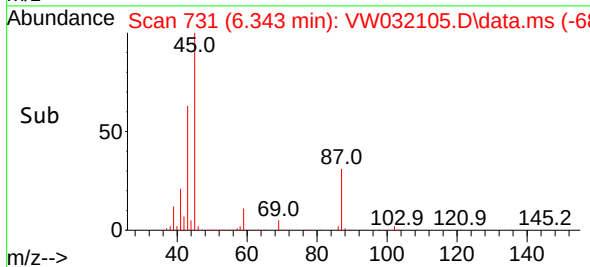
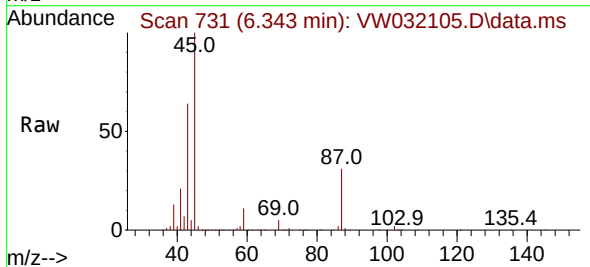
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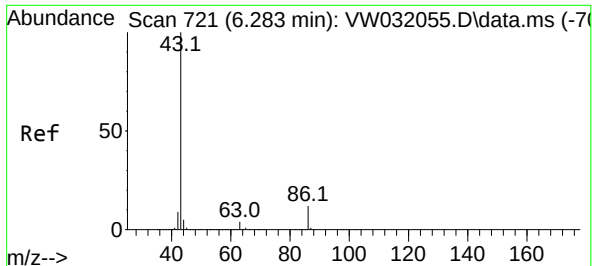
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025



#22
Diisopropyl ether
Concen: 47.159 ug/l
RT: 6.343 min Scan# 731
Delta R.T. -0.000 min
Lab File: VW032105.D
Acq: 14 Aug 2025 19:32

Tgt Ion: 45 Resp: 335676
Ion Ratio Lower Upper
45 100
43 63.2 47.0 70.4
87 31.1 23.8 35.8
59 11.2 9.5 14.3





#23

Vinyl Acetate

Concen: 229.096 ug/l

RT: 6.282 min Scan# 715

Delta R.T. -0.000 min

Lab File: VW032105.D

Acq: 14 Aug 2025 19:32

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 107064

Ion Ratio Lower Upper

43

100

86

10.6

9.4

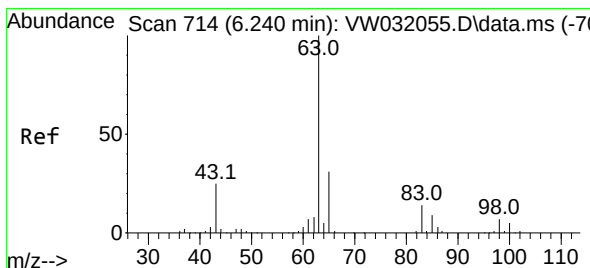
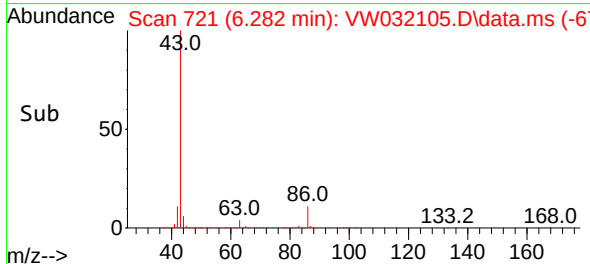
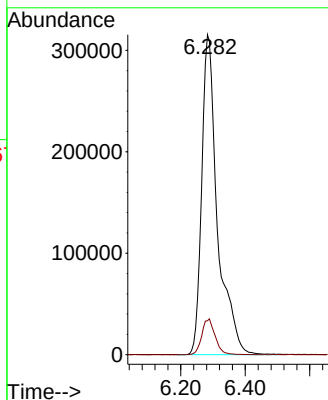
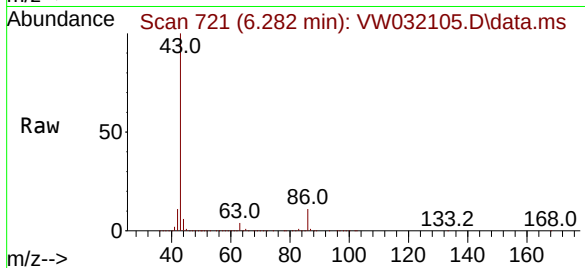
14.0

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Reviewed By :Semsettin Yesilyurt 08/19/2025

Supervised By :Mahesh Dadoda 08/19/2025



#24

1,1-Dichloroethane

Concen: 45.846 ug/l

RT: 6.246 min Scan# 715

Delta R.T. 0.006 min

Lab File: VW032105.D

Acq: 14 Aug 2025 19:32

Tgt Ion: 63 Resp: 208500

Ion Ratio Lower Upper

63

100

98

6.8

3.7

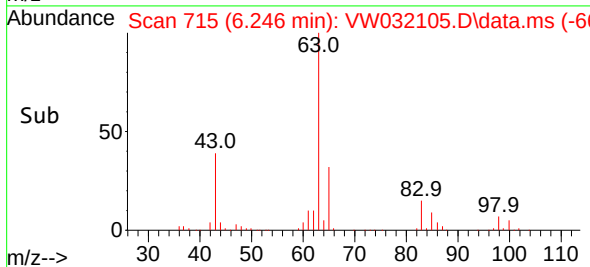
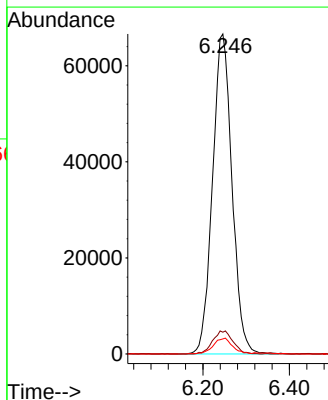
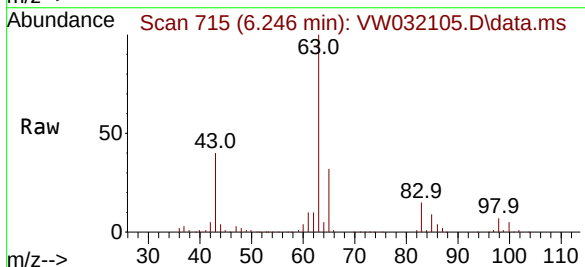
11.1

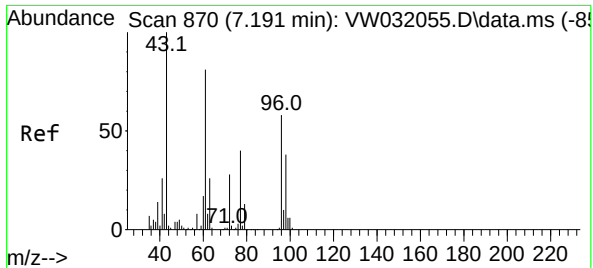
100

4.7

2.5

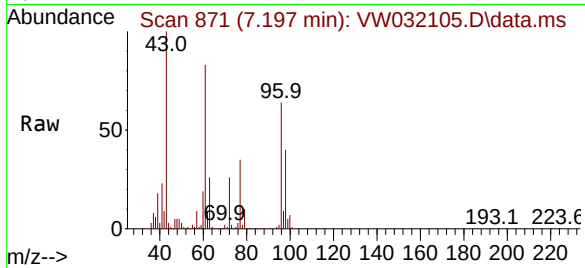
7.4





#25
2-Butanone
Concen: 234.553 ug/l
RT: 7.197 min Scan# 81
Delta R.T. 0.006 min
Lab File: VW032105.D
Acq: 14 Aug 2025 19:32

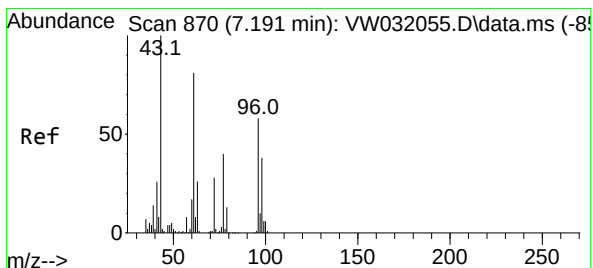
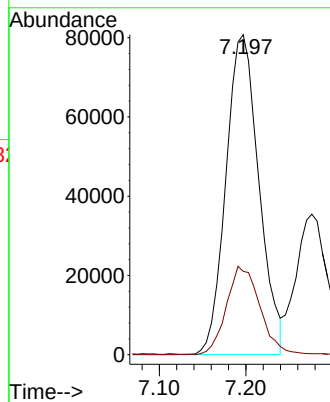
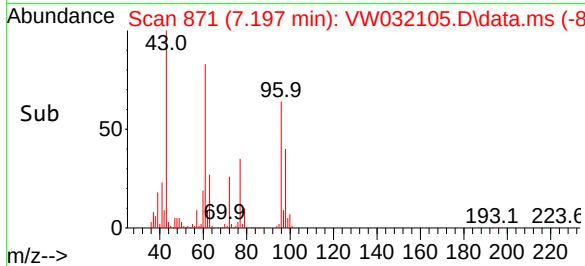
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC



Tgt Ion: 43 Resp: 21353
Ion Ratio Lower Upper
43 100
72 26.0 22.3 33.5

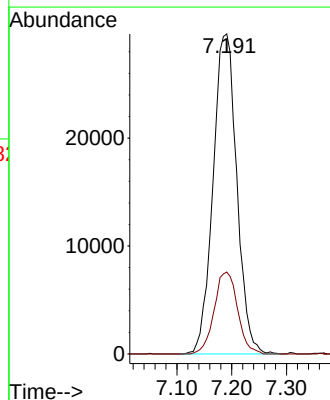
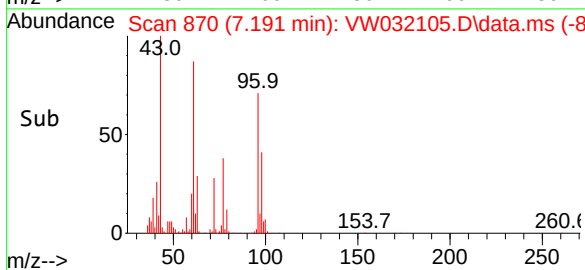
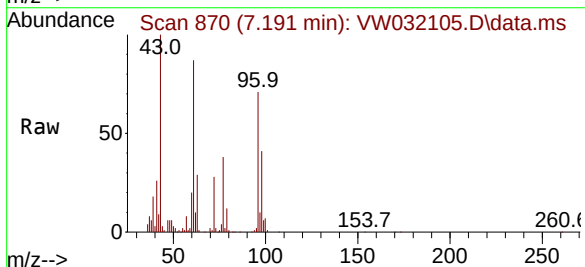
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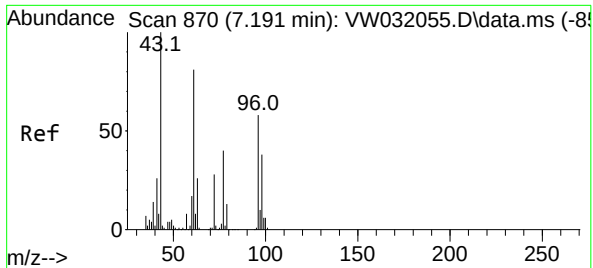
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025



#26
2,2-Dichloropropane
Concen: 39.077 ug/l
RT: 7.191 min Scan# 870
Delta R.T. -0.000 min
Lab File: VW032105.D
Acq: 14 Aug 2025 19:32

Tgt Ion: 77 Resp: 89156
Ion Ratio Lower Upper
77 100
97 25.3 12.3 36.9





#27

cis-1,2-Dichloroethene

Concen: 49.023 ug/l

RT: 7.191 min Scan# 81

Delta R.T. -0.000 min

Lab File: VW032105.D

Acq: 14 Aug 2025 19:32

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 96 Resp: 141078

Ion Ratio Lower Upper

96 100

61 132.2 0.0 281.2

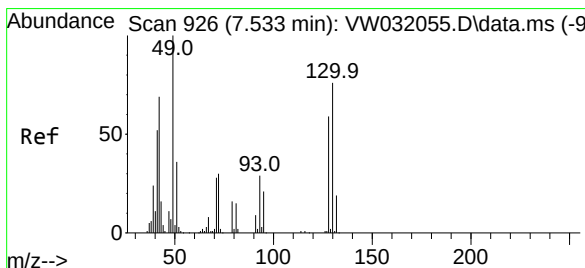
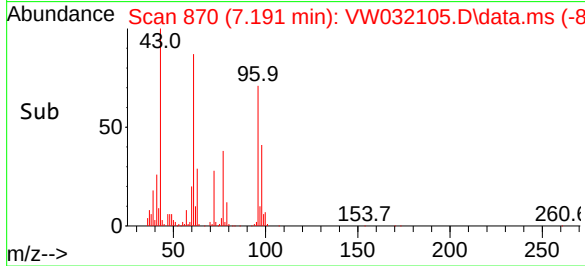
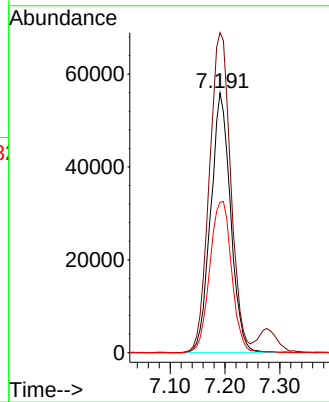
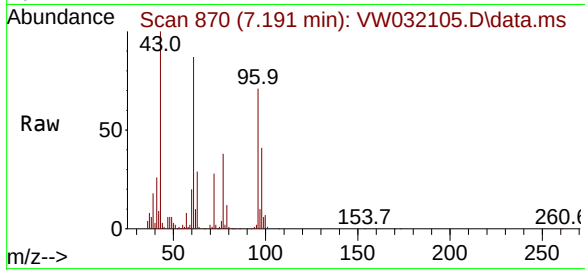
98 63.9 0.0 130.8

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 08/19/2025

Supervised By :Mahesh Dadoda 08/19/2025



#28

Bromochloromethane

Concen: 51.150 ug/l

RT: 7.532 min Scan# 926

Delta R.T. -0.000 min

Lab File: VW032105.D

Acq: 14 Aug 2025 19:32

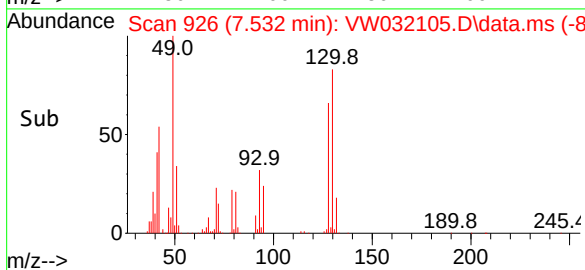
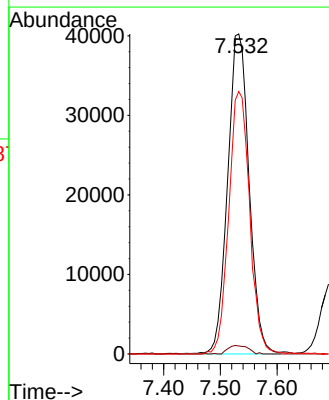
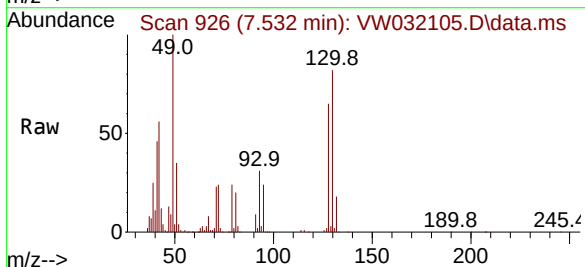
Tgt Ion: 49 Resp: 105860

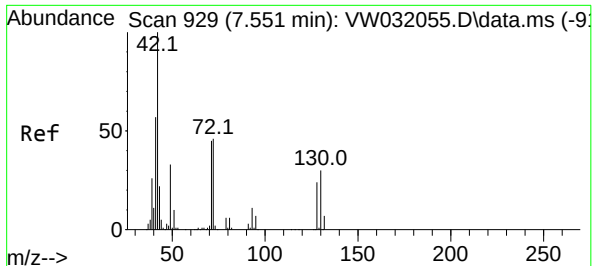
Ion Ratio Lower Upper

49 100

129 2.5 0.0 4.2

130 79.6 61.9 92.9





#29

Tetrahydrofuran

Concen: 239.596 ug/l

RT: 7.557 min Scan# 91

Delta R.T. 0.006 min

Lab File: VW032105.D

Acq: 14 Aug 2025 19:32

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 42 Resp: 14385

Ion Ratio Lower Upper

42 100

72 45.4 36.6 55.0

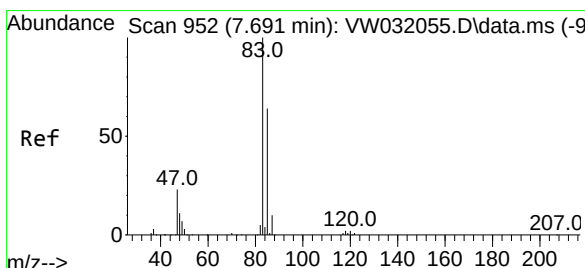
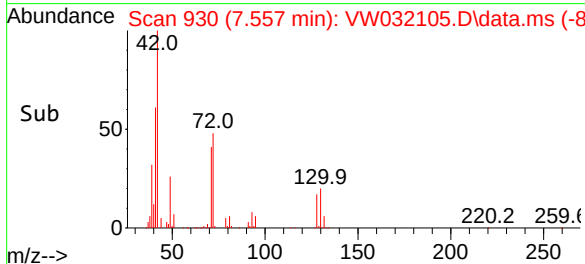
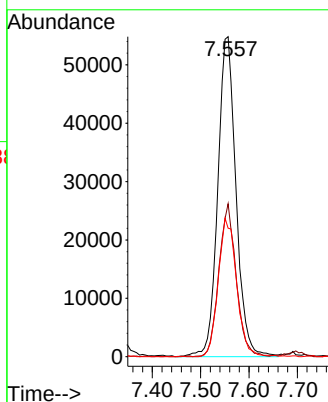
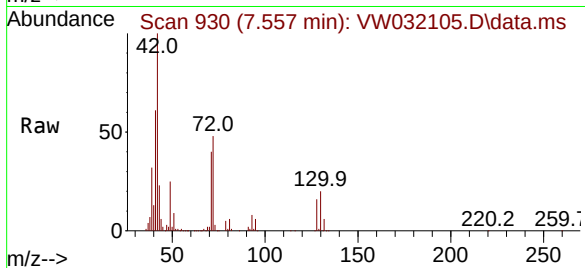
71 43.5 34.7 52.1

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 08/19/2025

Supervised By :Mahesh Dadoda 08/19/2025



#30

Chloroform

Concen: 50.525 ug/l

RT: 7.691 min Scan# 952

Delta R.T. -0.000 min

Lab File: VW032105.D

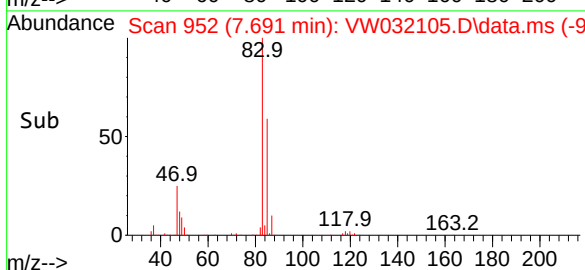
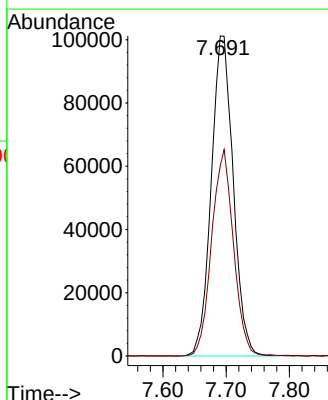
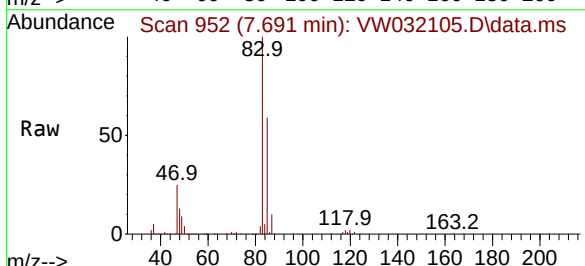
Acq: 14 Aug 2025 19:32

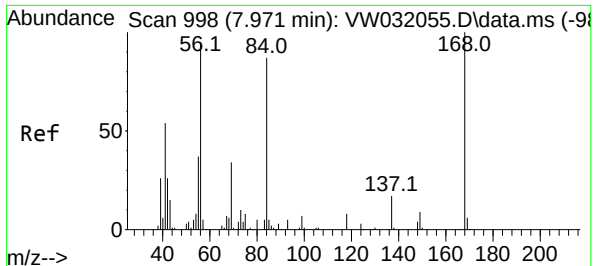
Tgt Ion: 83 Resp: 243601

Ion Ratio Lower Upper

83 100

85 59.4 51.0 76.4





#31

Cyclohexane

Concen: 38.784 ug/l

RT: 7.971 min Scan# 998

Delta R.T. -0.000 min

Lab File: VW032105.D

Acq: 14 Aug 2025 19:32

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 56 Resp: 152910

Ion Ratio Lower Upper

56 100

69 32.8 28.6 42.8

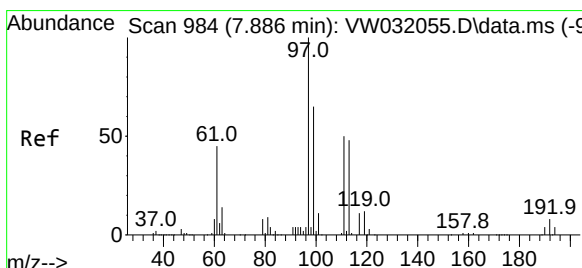
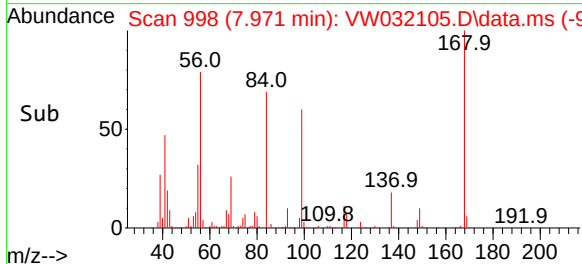
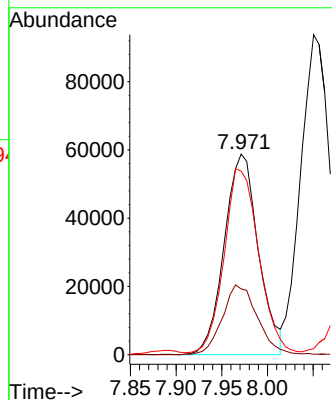
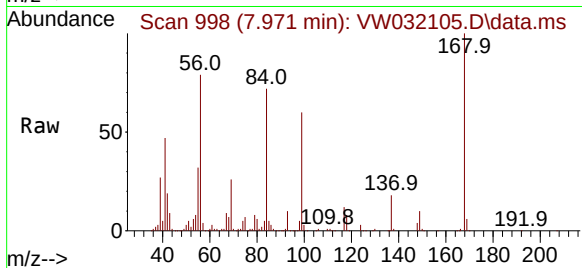
84 90.3 73.0 109.4

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Reviewed By :Semsettin Yesilyurt 08/19/2025

Supervised By :Mahesh Dadoda 08/19/2025



#32

1,1,1-Trichloroethane

Concen: 46.176 ug/l

RT: 7.886 min Scan# 984

Delta R.T. -0.000 min

Lab File: VW032105.D

Acq: 14 Aug 2025 19:32

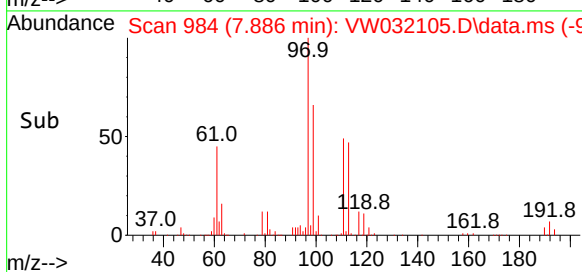
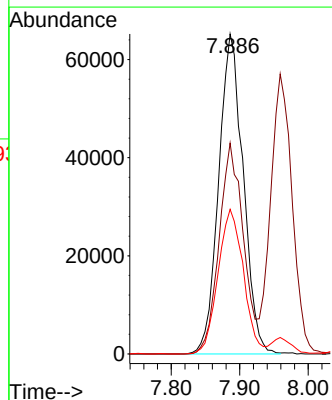
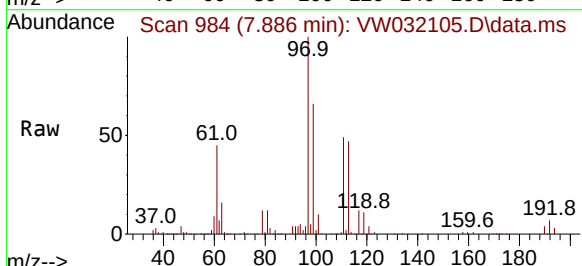
Tgt Ion: 97 Resp: 161712

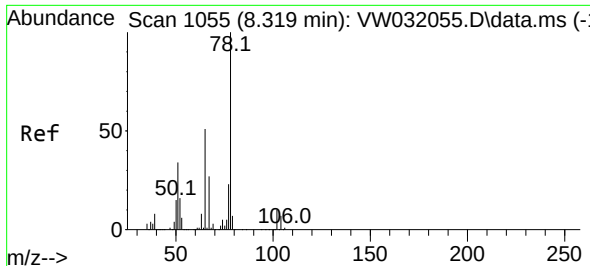
Ion Ratio Lower Upper

97 100

99 64.4 51.8 77.8

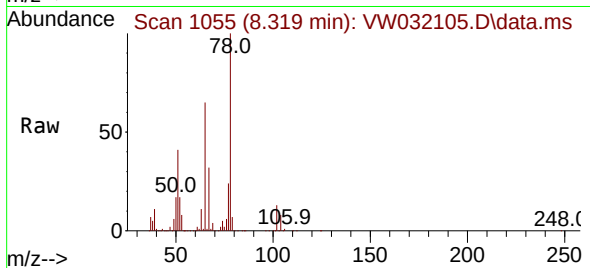
61 46.8 35.9 53.9





#33
1,2-Dichloroethane-d4
Concen: 53.028 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VW032105.D
Acq: 14 Aug 2025 19:32

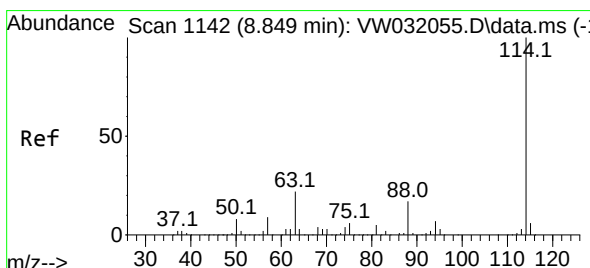
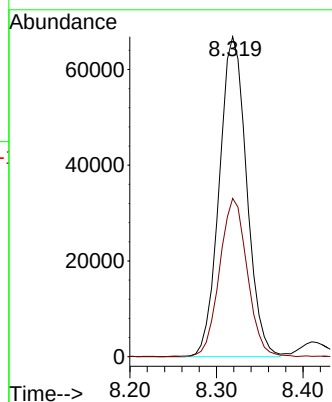
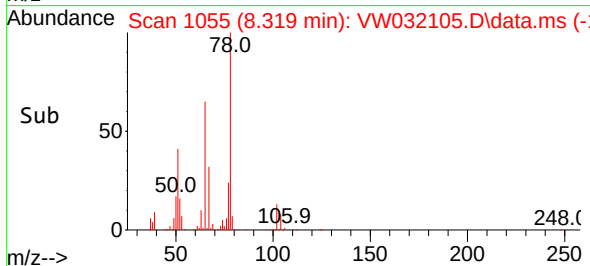
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC



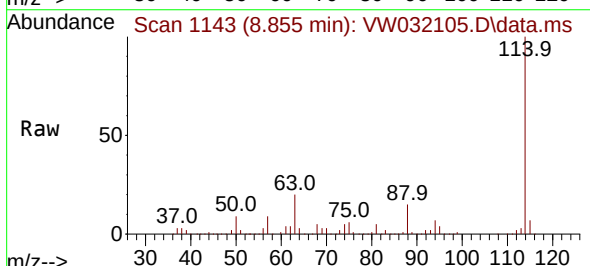
Tgt Ion: 65 Resp: 146710
Ion Ratio Lower Upper
65 100
67 50.1 0.0 102.4

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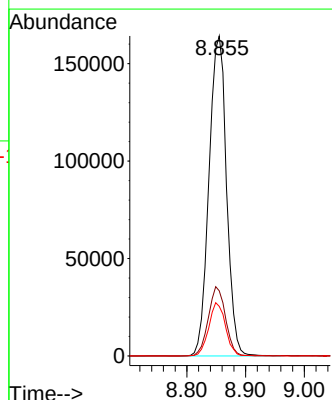
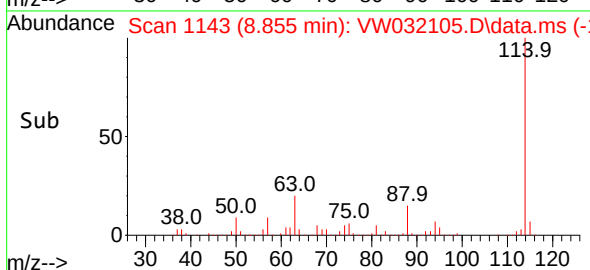
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025

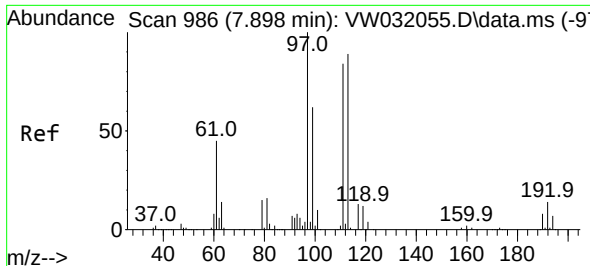


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.855 min Scan# 1143
Delta R.T. 0.006 min
Lab File: VW032105.D
Acq: 14 Aug 2025 19:32



Tgt Ion:114 Resp: 340189
Ion Ratio Lower Upper
114 100
63 20.4 0.0 43.0
88 15.5 0.0 33.8





#35

Dibromofluoromethane

Concen: 54.222 ug/l

RT: 7.904 min Scan# 9

Delta R.T. 0.006 min

Lab File: VW032105.D

Acq: 14 Aug 2025 19:32

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tgt Ion:113 Resp: 11916

Ion Ratio Lower Upper

113 100

111 103.6 80.1 120.1

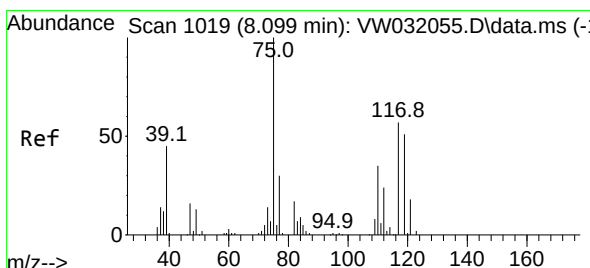
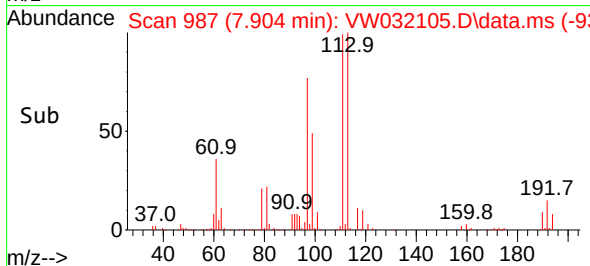
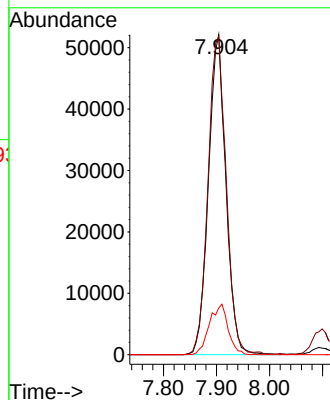
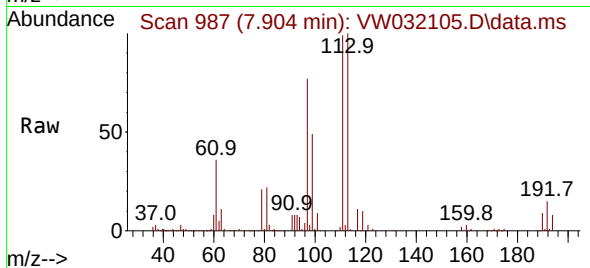
192 17.0 13.1 19.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/19/2025

Supervised By :Mahesh Dadoda 08/19/2025



#36

1,1-Dichloropropene

Concen: 48.076 ug/l

RT: 8.093 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VW032105.D

Acq: 14 Aug 2025 19:32

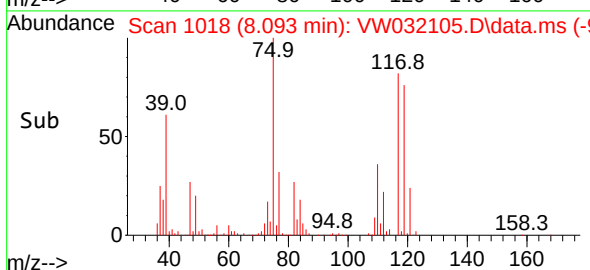
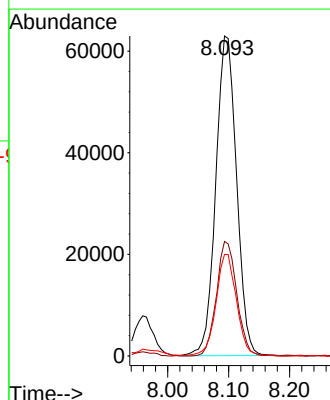
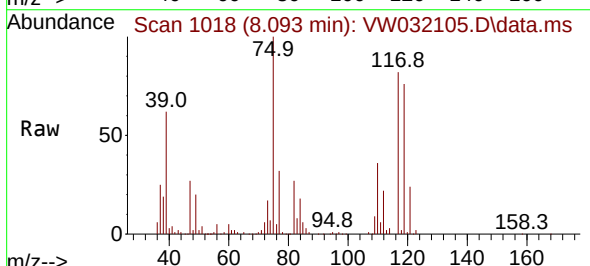
Tgt Ion: 75 Resp: 148951

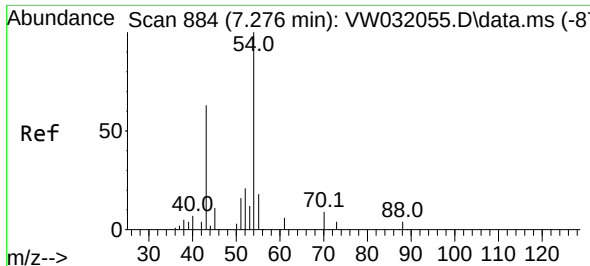
Ion Ratio Lower Upper

75 100

110 35.0 17.4 52.2

77 31.4 24.7 37.1





#37

Ethyl Acetate

Concen: 50.898 ug/l

RT: 7.276 min Scan# 884

Delta R.T. -0.000 min

Lab File: VW032105.D

Acq: 14 Aug 2025 19:32

Instrument :

MSVOA_W

ClientSampleId :

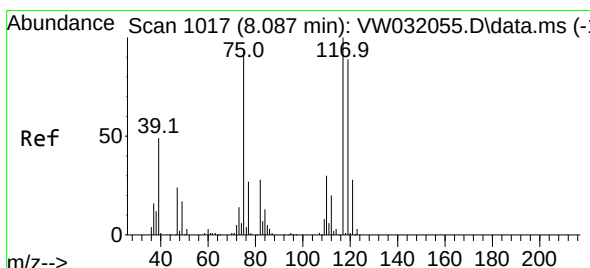
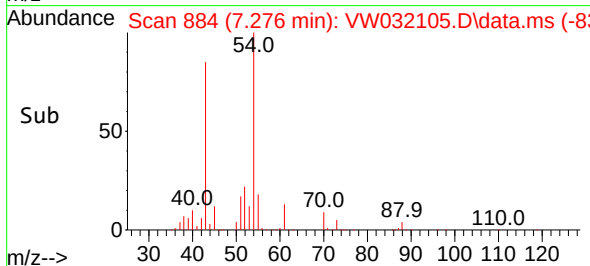
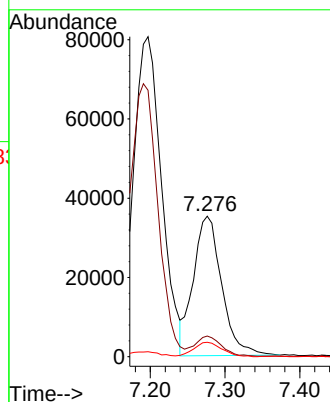
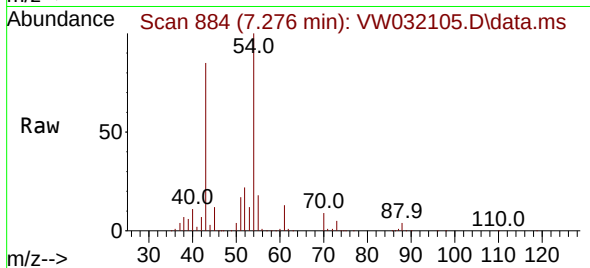
VSTDCCC050EC

Tgt Ion:	43	Resp:	92875
Ion Ratio	Lower	Upper	
43	100		
61	13.6	11.8	17.6
70	10.3	9.4	14.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025



#38

Carbon Tetrachloride

Concen: 51.129 ug/l

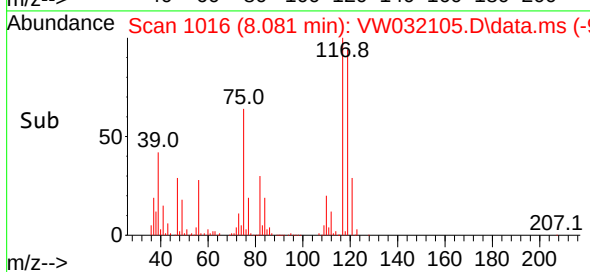
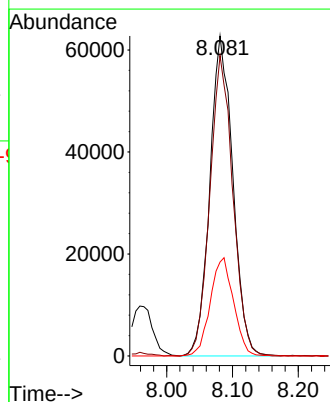
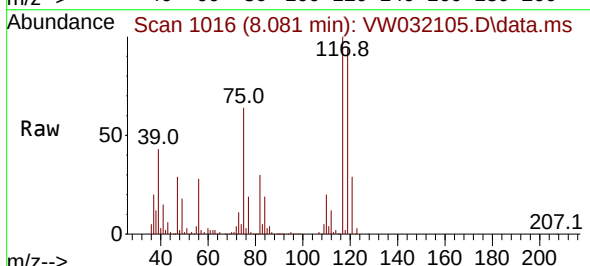
RT: 8.081 min Scan# 1016

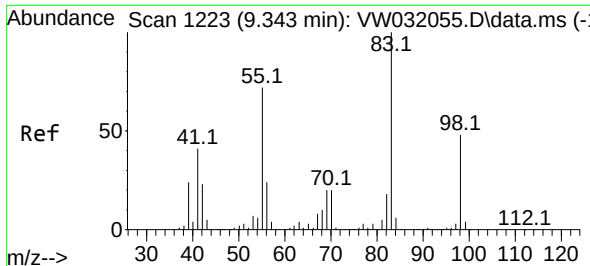
Delta R.T. -0.006 min

Lab File: VW032105.D

Acq: 14 Aug 2025 19:32

Tgt Ion:	117	Resp:	152872
Ion Ratio	Lower	Upper	
117	100		
119	93.8	71.4	107.2
121	29.3	22.3	33.5





#39

Methylcyclohexane

Concen: 44.891 ug/l

RT: 9.343 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW032105.D

Acq: 14 Aug 2025 19:32

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 83 Resp: 16952

Ion Ratio Lower Upper

83 100

55 77.9 57.9 86.9

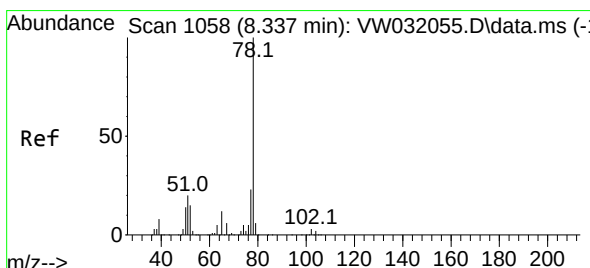
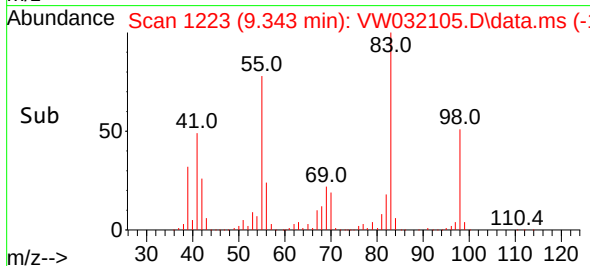
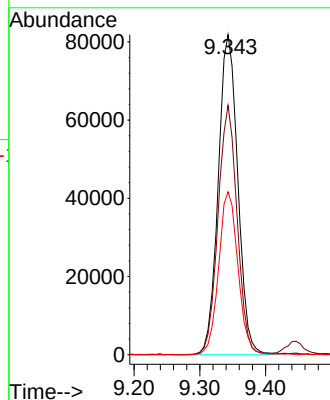
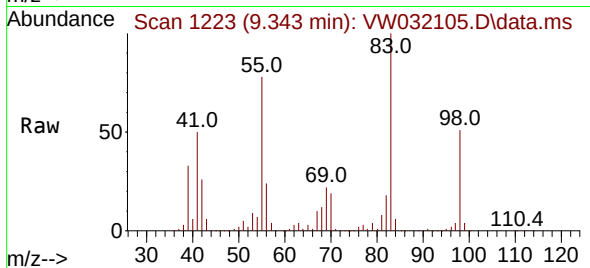
98 50.9 38.3 57.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/19/2025

Supervised By :Mahesh Dadoda 08/19/2025



#40

Benzene

Concen: 49.865 ug/l

RT: 8.337 min Scan# 1058

Delta R.T. -0.000 min

Lab File: VW032105.D

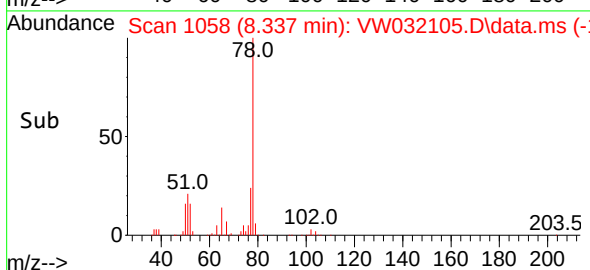
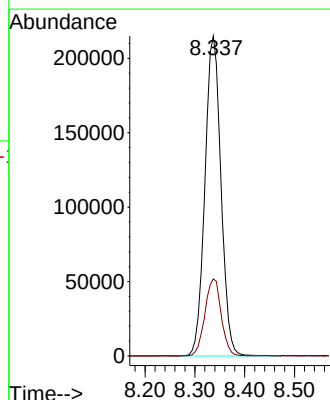
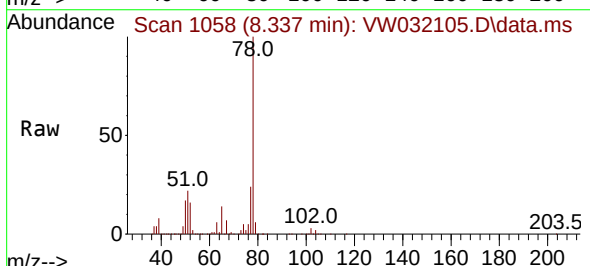
Acq: 14 Aug 2025 19:32

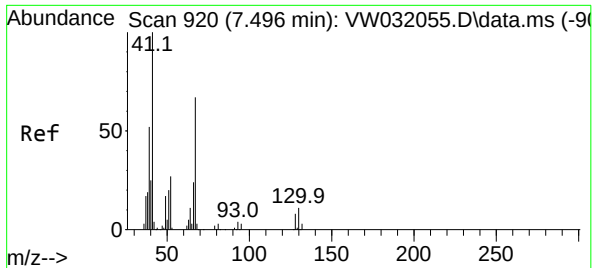
Tgt Ion: 78 Resp: 480231

Ion Ratio Lower Upper

78 100

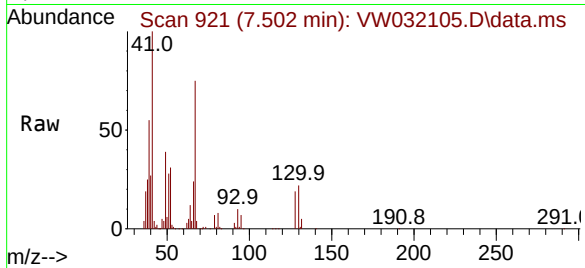
77 24.1 18.4 27.6





#41
Methacrylonitrile
Concen: 48.528 ug/l
RT: 7.502 min Scan# 91
Delta R.T. 0.006 min
Lab File: VW032105.D
Acq: 14 Aug 2025 19:32

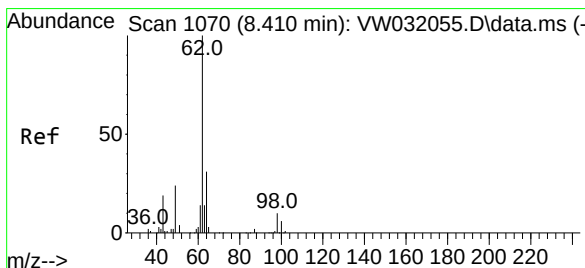
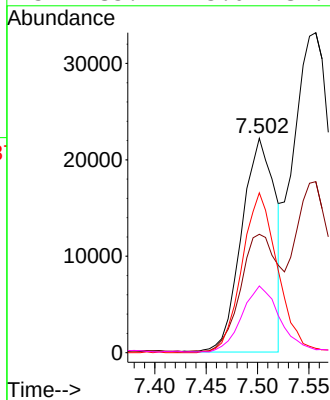
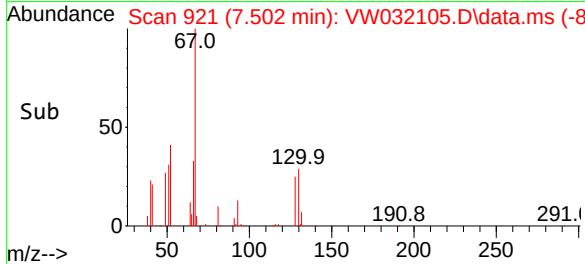
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC



Tgt Ion: 41 Resp: 5021
Ion Ratio Lower Upper
41 100
39 63.7 42.6 63.8
67 80.8 61.0 91.4
52 35.4 25.0 37.4

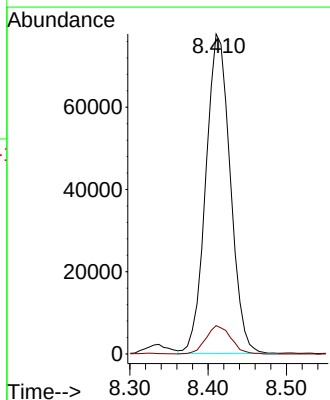
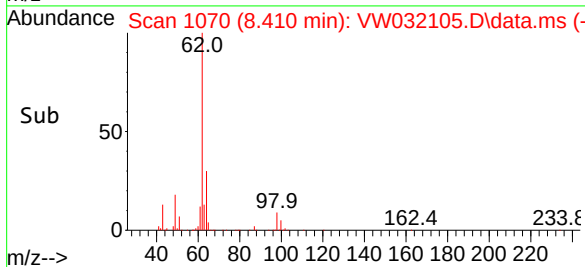
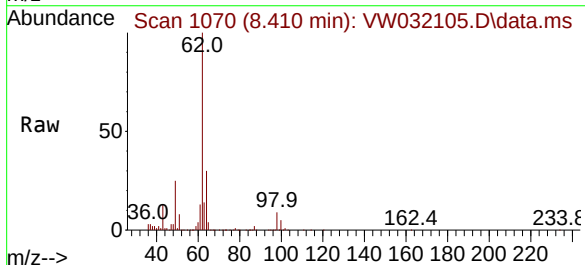
Manual Integrations
APPROVED

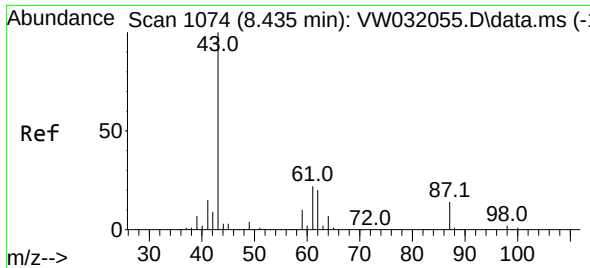
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025



#42
1,2-Dichloroethane
Concen: 54.726 ug/l
RT: 8.410 min Scan# 1070
Delta R.T. -0.000 min
Lab File: VW032105.D
Acq: 14 Aug 2025 19:32

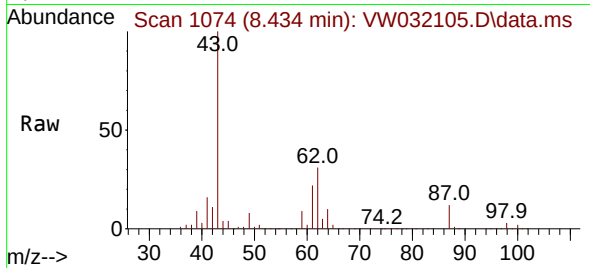
Tgt Ion: 62 Resp: 168647
Ion Ratio Lower Upper
62 100
98 9.1 0.0 19.8





#43
Isopropyl Acetate
Concen: 50.564 ug/l
RT: 8.434 min Scan# 1074
Delta R.T. -0.000 min
Lab File: VW032105.D
Acq: 14 Aug 2025 19:32

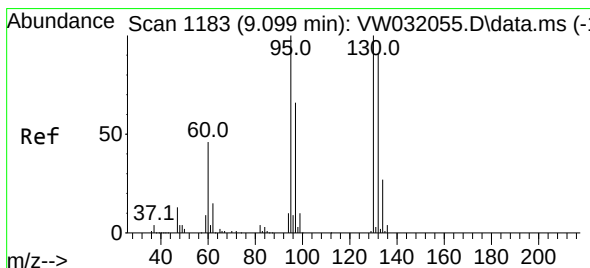
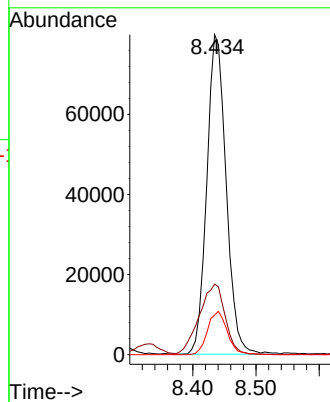
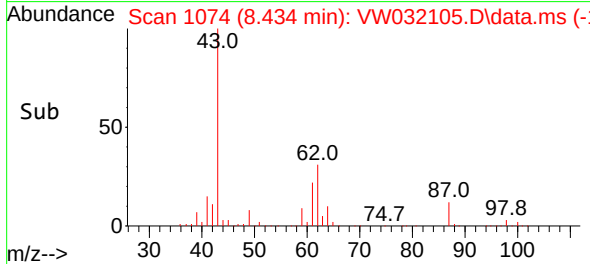
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC



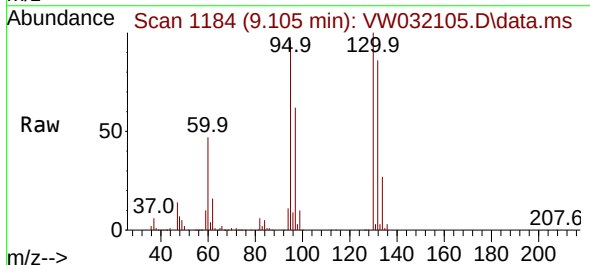
Tgt Ion: 43 Resp: 16975
Ion Ratio Lower Upper
43 100
61 29.7 23.8 35.8
87 13.9 11.7 17.5

Manual Integrations
APPROVED

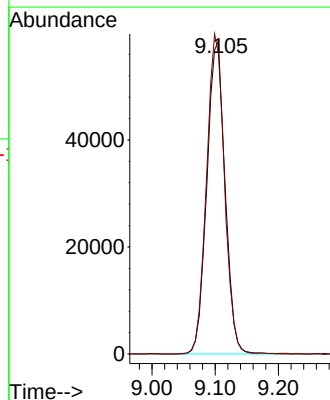
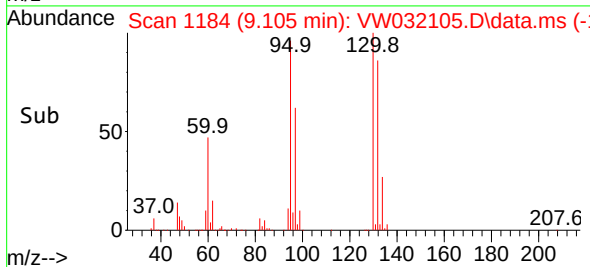
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025

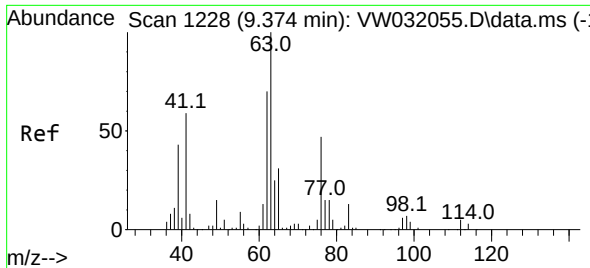


#44
Trichloroethene
Concen: 50.915 ug/l
RT: 9.105 min Scan# 1184
Delta R.T. 0.006 min
Lab File: VW032105.D
Acq: 14 Aug 2025 19:32



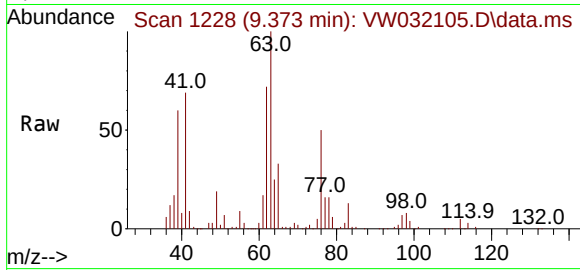
Tgt Ion:130 Resp: 116771
Ion Ratio Lower Upper
130 100
95 95.8 0.0 200.6





#45
1,2-Dichloropropane
Concen: 49.769 ug/l
RT: 9.373 min Scan# 1228
Delta R.T. -0.000 min
Lab File: VW032105.D
Acq: 14 Aug 2025 19:32

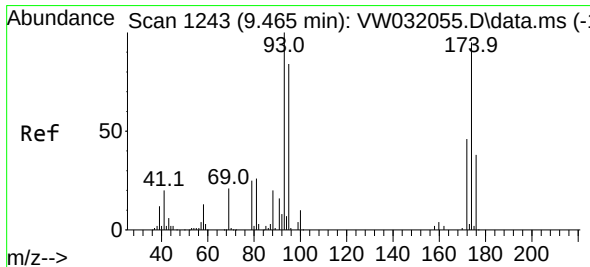
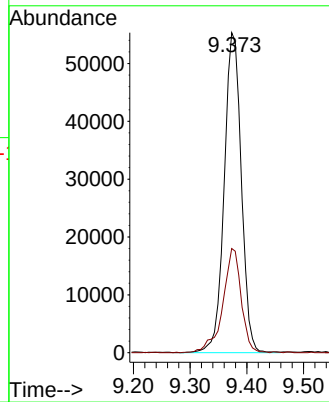
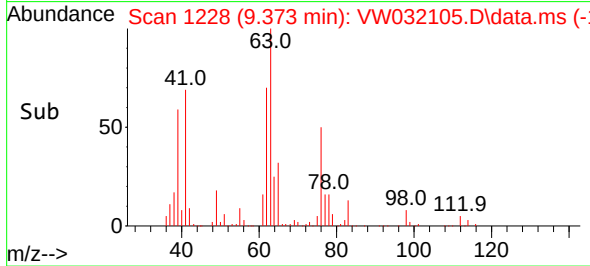
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC



Tgt Ion: 63 Resp: 115794
Ion Ratio Lower Upper
63 100
65 32.6 24.6 36.8

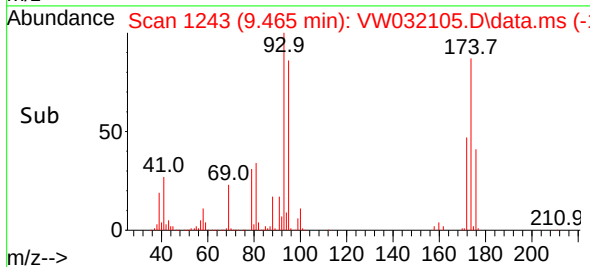
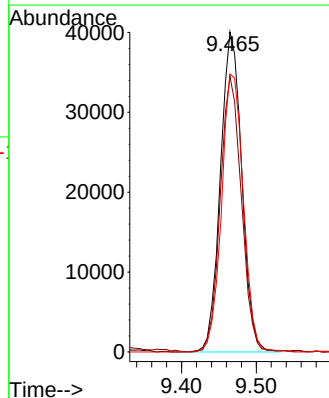
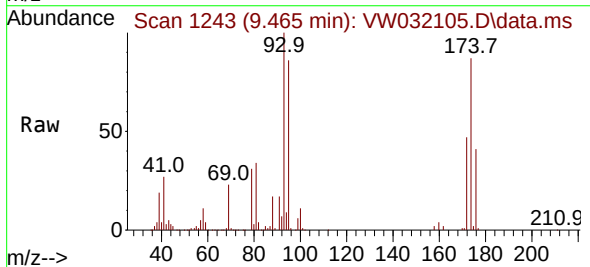
Manual Integrations
APPROVED

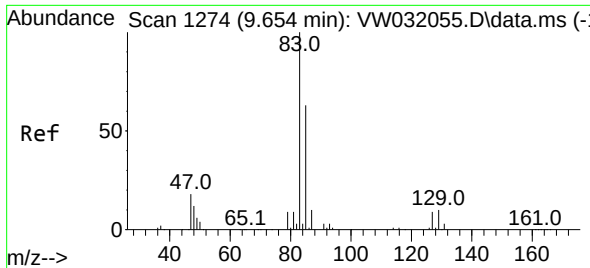
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025



#46
Dibromomethane
Concen: 53.105 ug/l
RT: 9.465 min Scan# 1243
Delta R.T. -0.000 min
Lab File: VW032105.D
Acq: 14 Aug 2025 19:32

Tgt Ion: 93 Resp: 79744
Ion Ratio Lower Upper
93 100
95 85.2 65.3 97.9
174 88.7 68.6 102.8





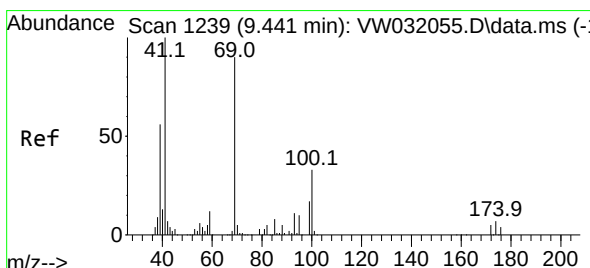
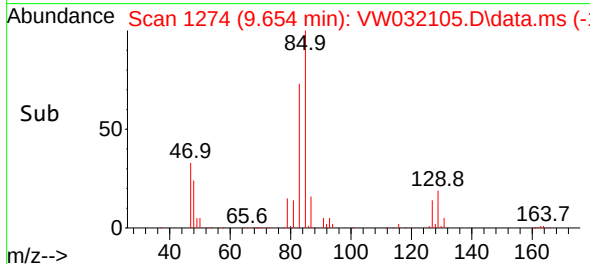
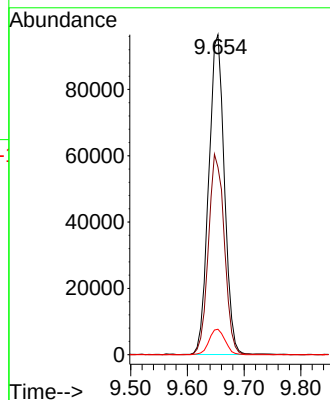
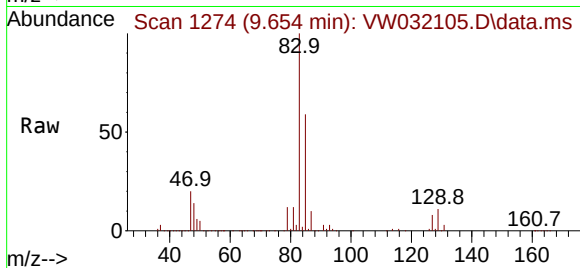
#47
Bromodichloromethane
Concen: 53.359 ug/l
RT: 9.654 min Scan# 1274
Delta R.T. -0.000 min
Lab File: VW032105.D
Acq: 14 Aug 2025 19:32

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 184629
Ion Ratio Lower Upper
83 100
85 58.6 50.6 75.8
127 8.0 6.9 10.3

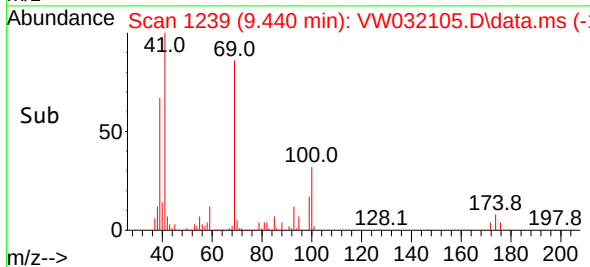
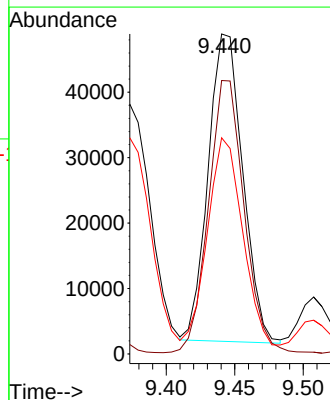
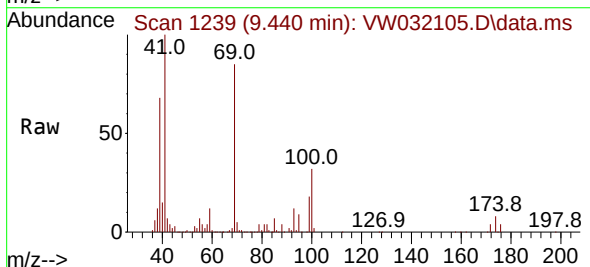
Manual Integrations
APPROVED

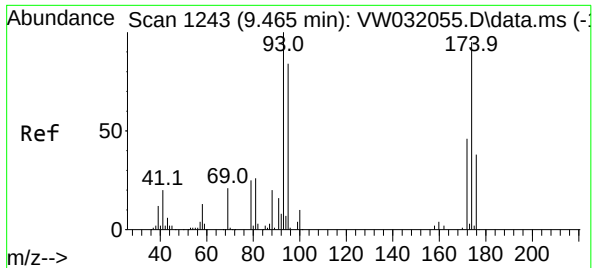
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025



#48
Methyl methacrylate
Concen: 50.886 ug/l
RT: 9.440 min Scan# 1239
Delta R.T. -0.000 min
Lab File: VW032105.D
Acq: 14 Aug 2025 19:32

Tgt Ion: 41 Resp: 82474
Ion Ratio Lower Upper
41 100
69 91.9 73.0 109.6
39 74.0 45.0 67.4#





#49

1,4-Dioxane

Concen: 1041.083 ug/l

RT: 9.459 min Scan# 1242

Delta R.T. -0.006 min

Lab File: VW032105.D

Acq: 14 Aug 2025 19:32

Instrument :

MSVOA_W

ClientSampleId :

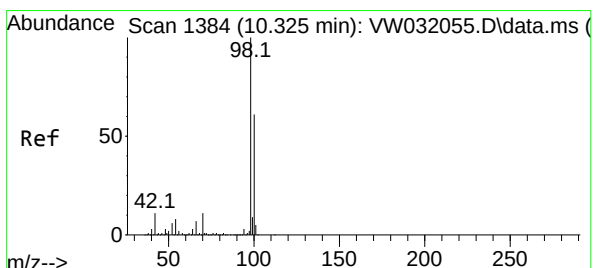
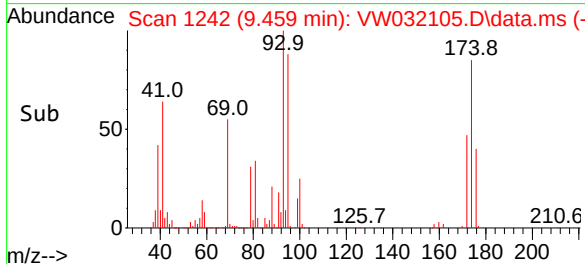
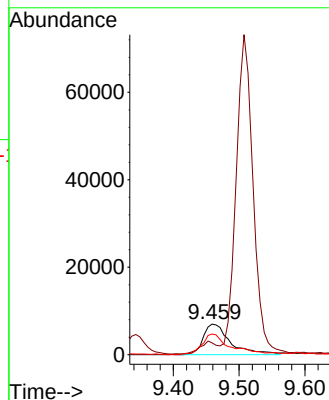
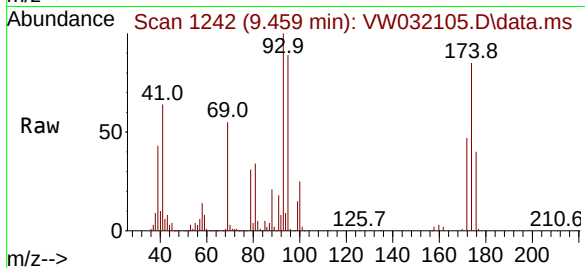
VSTDCCC050EC

Tgt Ion:	88	Resp:	2021
Ion	Ratio	Lower	Upper
88	100		
43	27.2	20.6	30.8
58	68.8	60.4	90.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025



#50

Toluene-d8

Concen: 53.076 ug/l

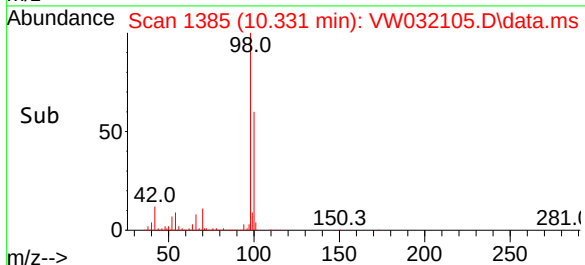
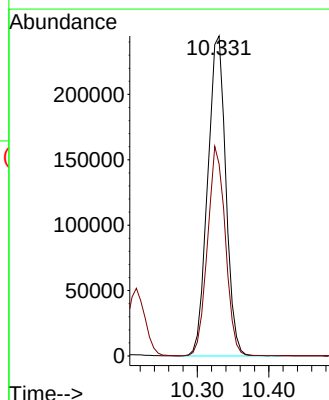
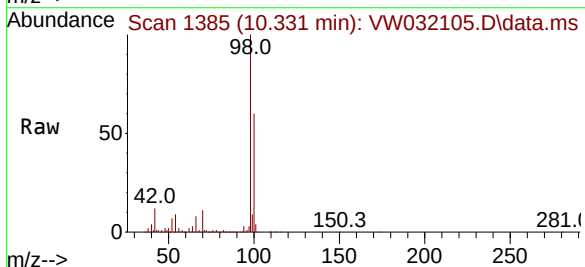
RT: 10.331 min Scan# 1385

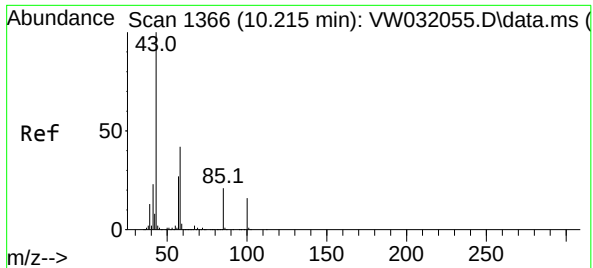
Delta R.T. 0.006 min

Lab File: VW032105.D

Acq: 14 Aug 2025 19:32

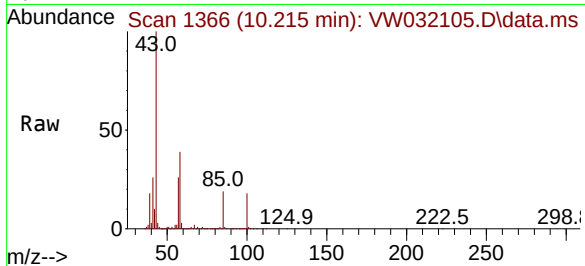
Tgt Ion:	98	Resp:	431442
Ion	Ratio	Lower	Upper
98	100		
100	64.2	51.1	76.7





#51
4-Methyl-2-Pentanone
Concen: 269.316 ug/l
RT: 10.215 min Scan# 1366
Delta R.T. -0.000 min
Lab File: VW032105.D
Acq: 14 Aug 2025 19:32

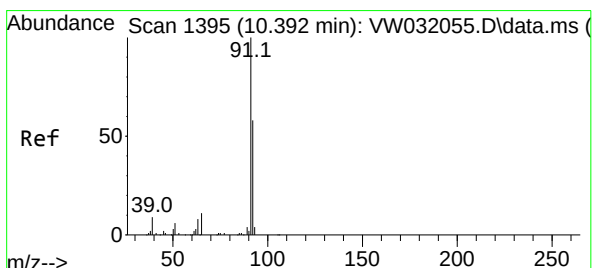
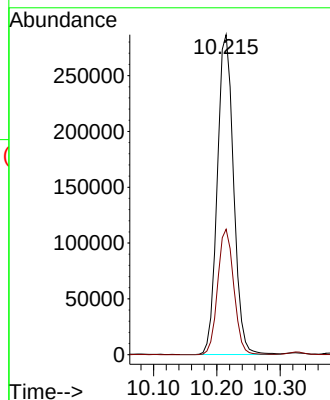
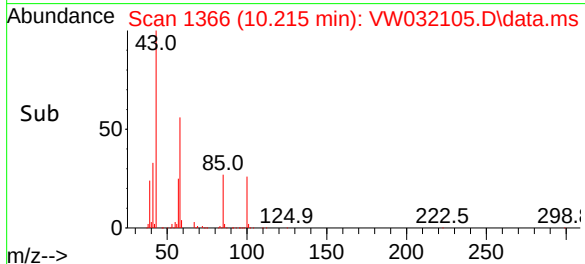
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC



Tgt Ion: 43 Resp: 51033
Ion Ratio Lower Upper
43 100
58 38.9 33.1 49.7

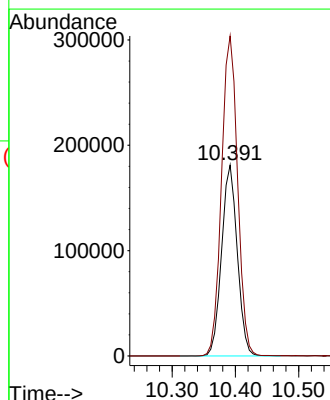
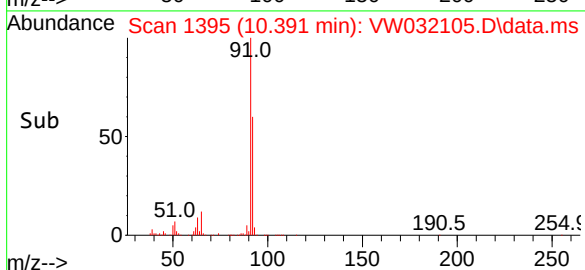
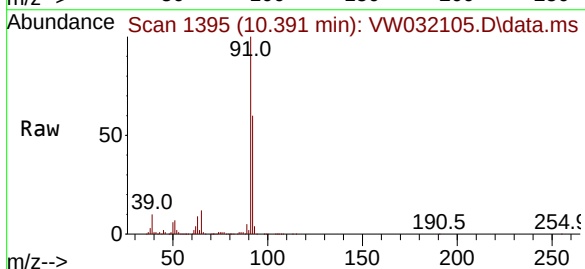
Manual Integrations
APPROVED

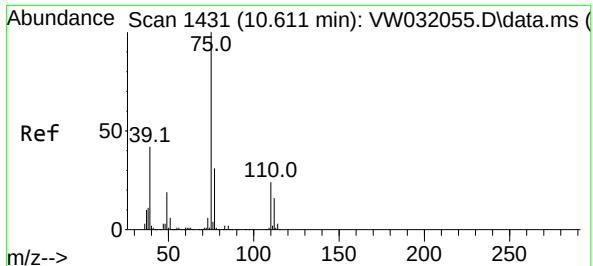
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025



#52
Toluene
Concen: 51.219 ug/l
RT: 10.391 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VW032105.D
Acq: 14 Aug 2025 19:32

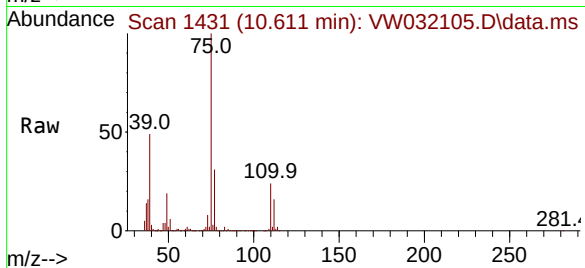
Tgt Ion: 92 Resp: 310694
Ion Ratio Lower Upper
92 100
91 171.9 136.3 204.5





#53
t-1,3-Dichloropropene
Concen: 48.849 ug/l
RT: 10.611 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VW032105.D
Acq: 14 Aug 2025 19:32

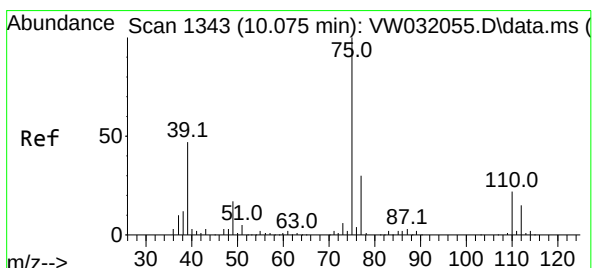
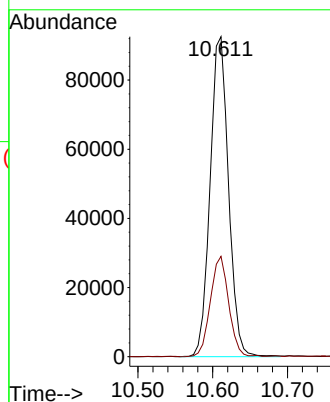
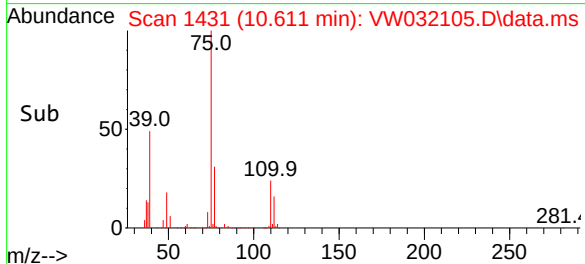
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC



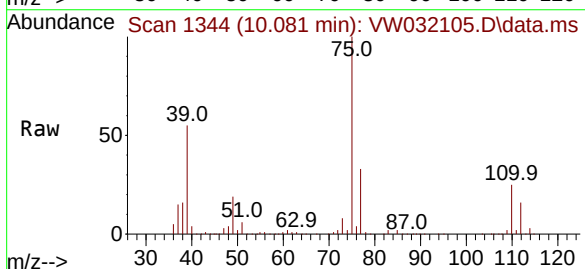
Tgt Ion: 75 Resp: 15835
Ion Ratio Lower Upper
75 100
77 31.4 25.0 37.6

Manual Integrations
APPROVED

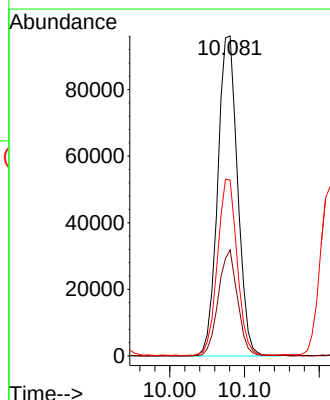
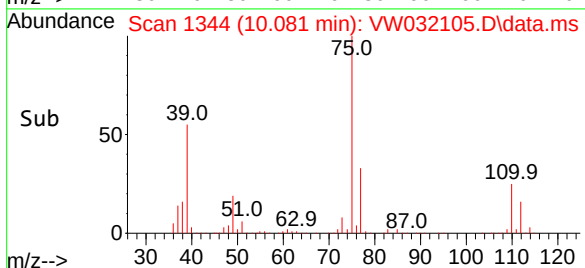
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025

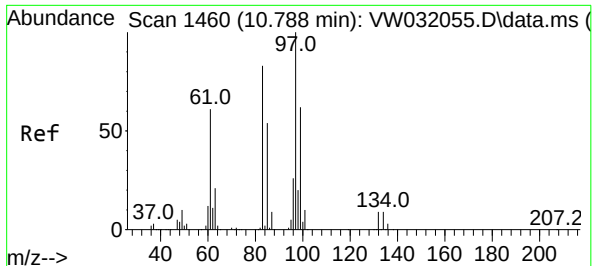


#54
cis-1,3-Dichloropropene
Concen: 48.366 ug/l
RT: 10.081 min Scan# 1344
Delta R.T. 0.006 min
Lab File: VW032105.D
Acq: 14 Aug 2025 19:32



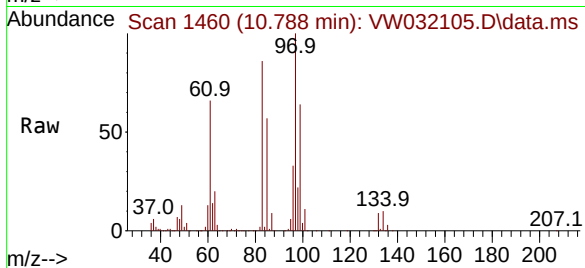
Tgt Ion: 75 Resp: 177874
Ion Ratio Lower Upper
75 100
77 33.2 24.0 36.0
39 54.8 37.8 56.8





#55
1,1,2-Trichloroethane
Concen: 52.415 ug/l
RT: 10.788 min Scan# 1460
Delta R.T. -0.000 min
Lab File: VW032105.D
Acq: 14 Aug 2025 19:32

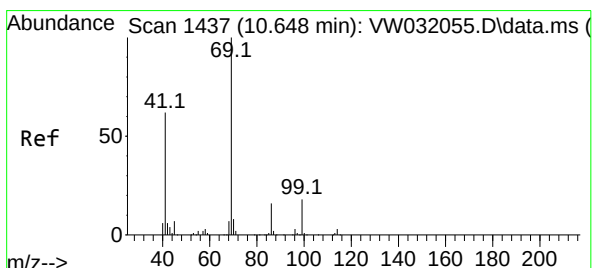
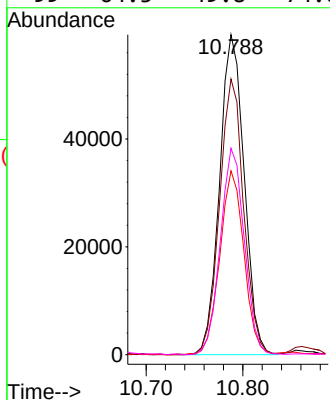
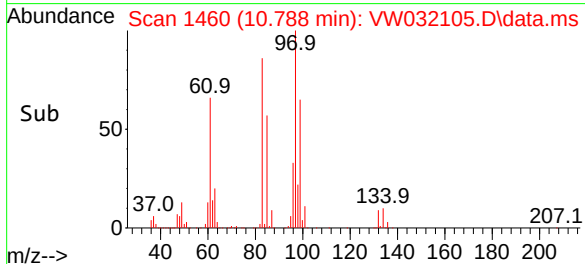
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC



Tgt Ion	Ratio	Lower	Upper
97	100		
83	85.9	66.4	99.6
85	57.5	43.1	64.7
99	64.3	49.8	74.6

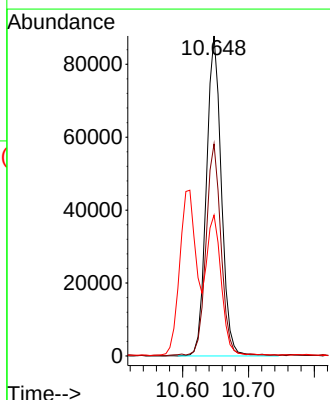
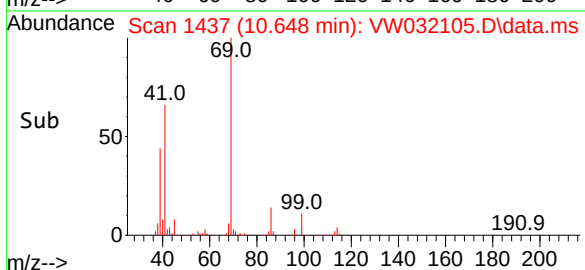
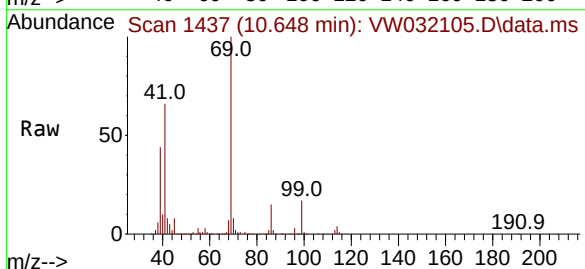
Manual Integrations
APPROVED

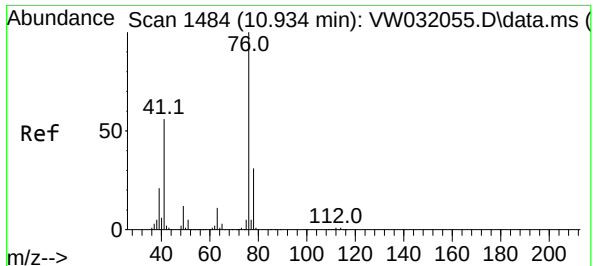
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025



#56
Ethyl methacrylate
Concen: 51.993 ug/l
RT: 10.648 min Scan# 1437
Delta R.T. -0.000 min
Lab File: VW032105.D
Acq: 14 Aug 2025 19:32

Tgt Ion	Ratio	Lower	Upper
69	100		
41	66.2	51.2	76.8
39	41.9	25.4	38.0





#57

1,3-Dichloropropane

Concen: 50.807 ug/l

RT: 10.934 min Scan# 1484

Delta R.T. -0.000 min

Lab File: VW032105.D

Acq: 14 Aug 2025 19:32

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 76 Resp: 17671

Ion Ratio Lower Upper

76 100

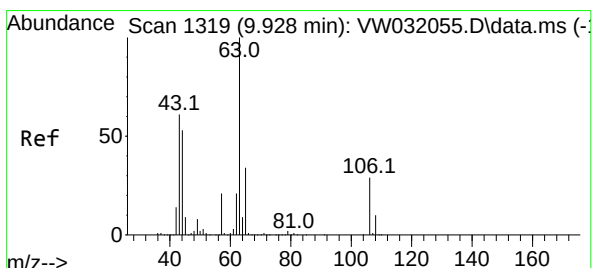
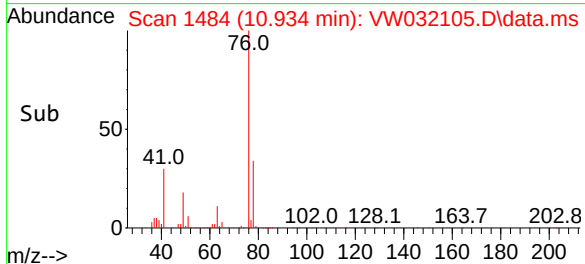
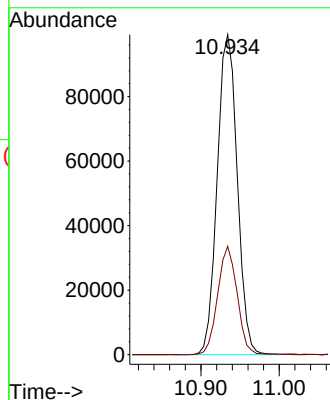
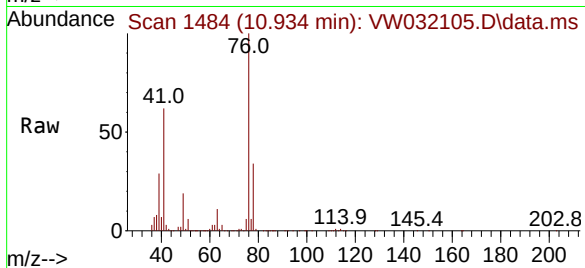
78 32.9 25.8 38.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/19/2025

Supervised By :Mahesh Dadoda 08/19/2025



#58

2-Chloroethyl Vinyl ether

Concen: 271.010 ug/l

RT: 9.928 min Scan# 1319

Delta R.T. -0.000 min

Lab File: VW032105.D

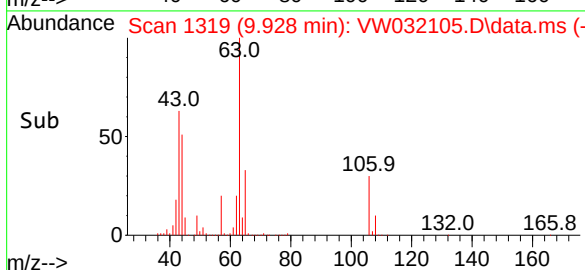
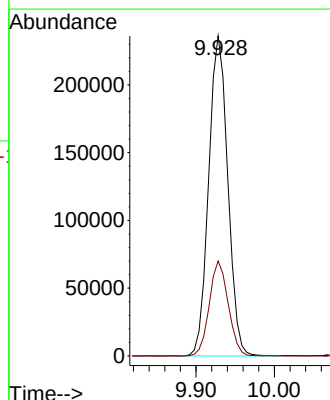
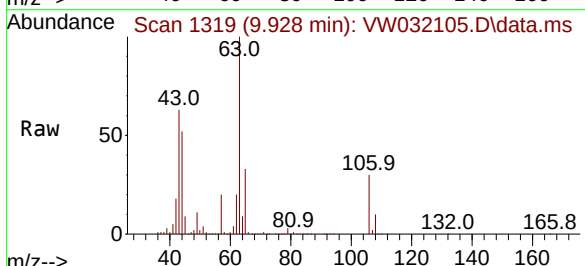
Acq: 14 Aug 2025 19:32

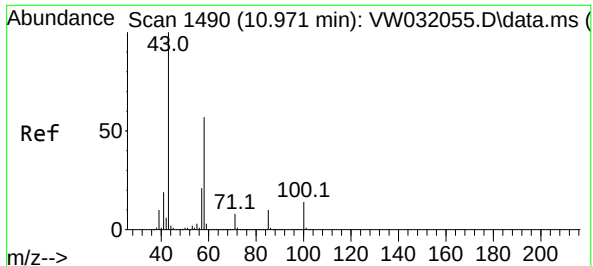
Tgt Ion: 63 Resp: 400276

Ion Ratio Lower Upper

63 100

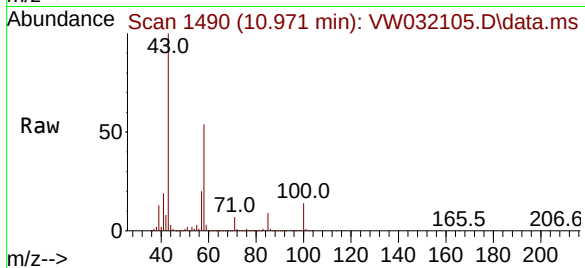
106 29.3 23.5 35.3





#59
2-Hexanone
Concen: 270.484 ug/l
RT: 10.971 min Scan# 1490
Delta R.T. -0.000 min
Lab File: VW032105.D
Acq: 14 Aug 2025 19:32

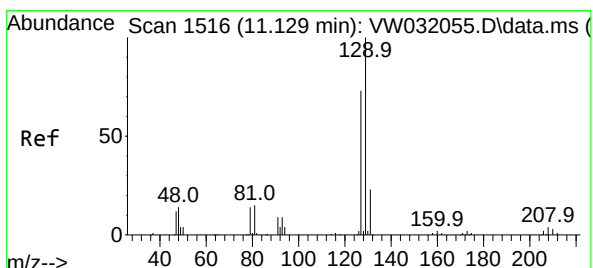
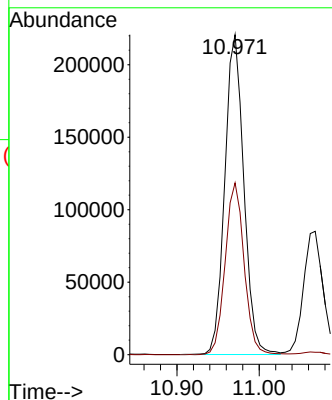
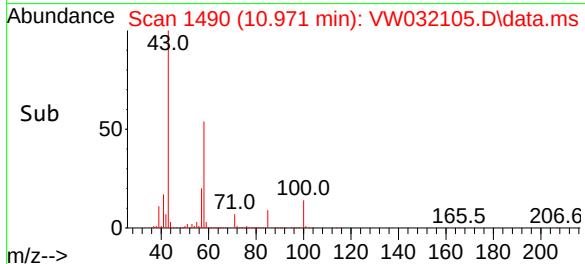
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC



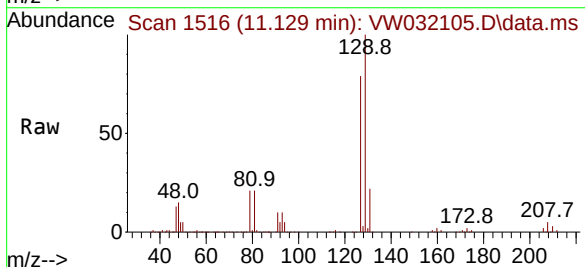
Tgt Ion: 43 Resp: 354969
Ion Ratio Lower Upper
43 100
58 53.6 28.3 85.0

Manual Integrations
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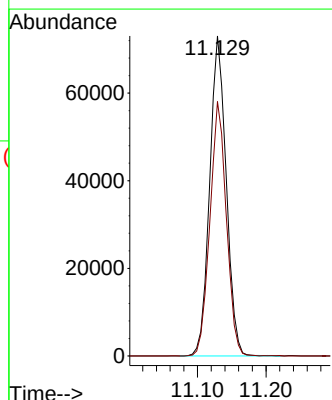
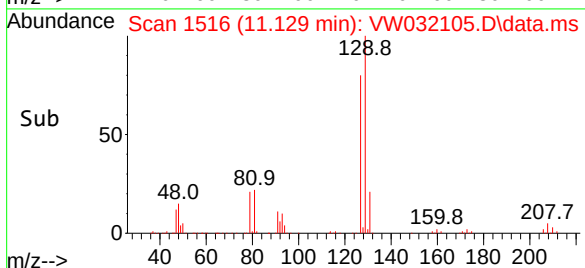
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025

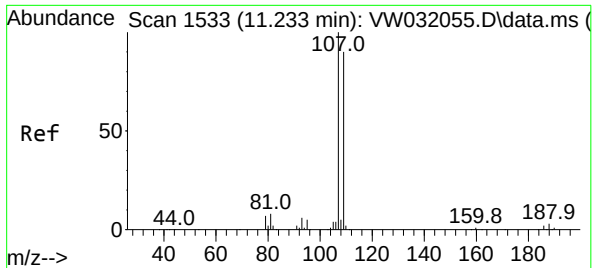


#60
Dibromochloromethane
Concen: 53.691 ug/l
RT: 11.129 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VW032105.D
Acq: 14 Aug 2025 19:32



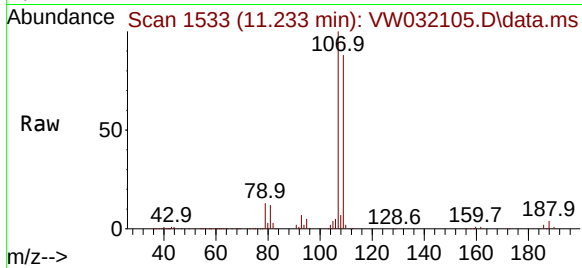
Tgt Ion:129 Resp: 122381
Ion Ratio Lower Upper
129 100
127 79.1 39.0 116.9





#61
1,2-Dibromoethane
Concen: 53.107 ug/l
RT: 11.233 min Scan# 1533
Delta R.T. -0.000 min
Lab File: VW032105.D
Acq: 14 Aug 2025 19:32

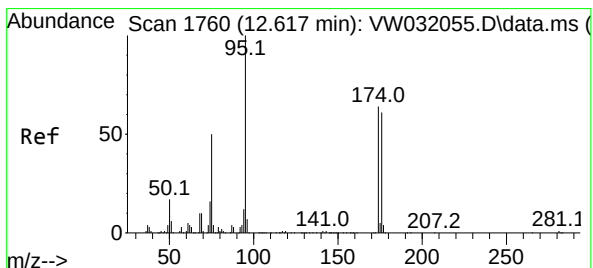
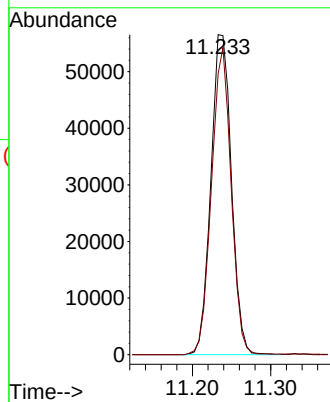
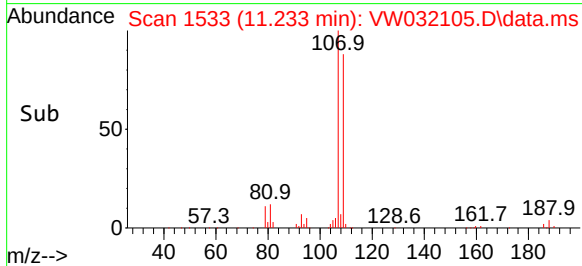
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC



Tgt Ion:107 Resp: 102979
Ion Ratio Lower Upper
107 100
109 91.6 74.2 111.4

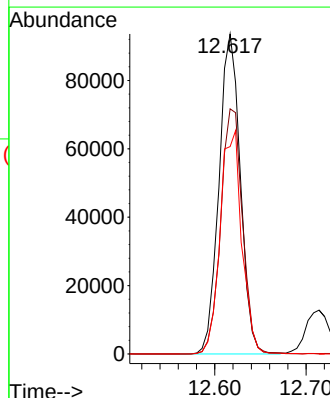
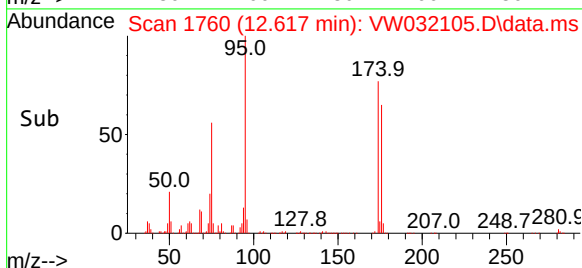
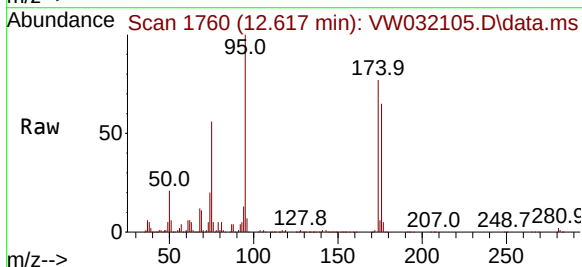
Manual Integrations
APPROVED

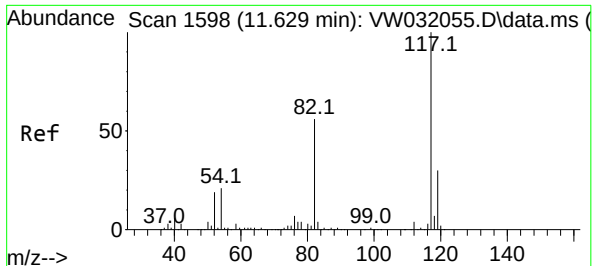
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025



#62
4-Bromofluorobenzene
Concen: 50.684 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032105.D
Acq: 14 Aug 2025 19:32

Tgt Ion: 95 Resp: 151827
Ion Ratio Lower Upper
95 100
174 78.2 0.0 129.0
176 71.1 0.0 124.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.635 min Scan# 11

Delta R.T. 0.006 min

Lab File: VW032105.D

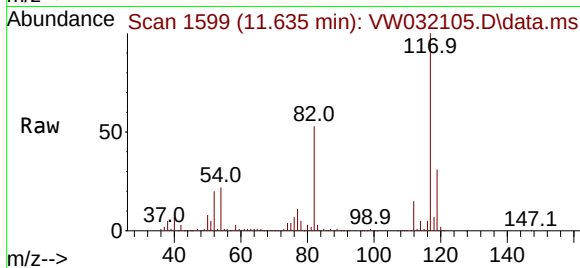
Acq: 14 Aug 2025 19:32

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC



Tgt Ion:117 Resp: 325940

Ion Ratio Lower Upper

117 100

82 53.3 45.0 67.4

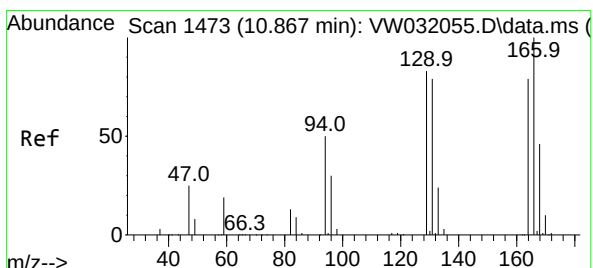
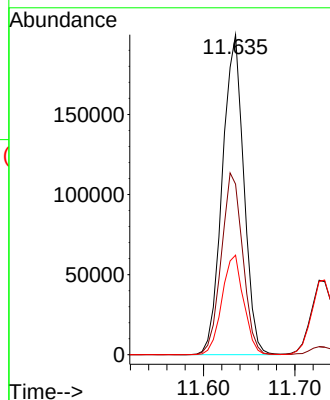
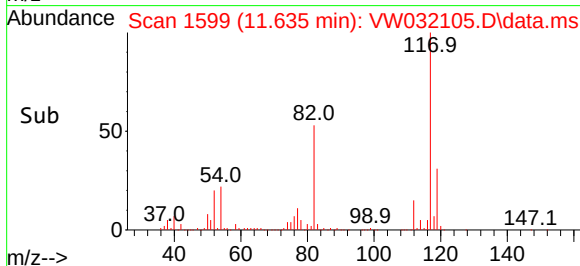
119 31.1 24.2 36.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/19/2025

Supervised By :Mahesh Dadoda 08/19/2025



#64

Tetrachloroethene

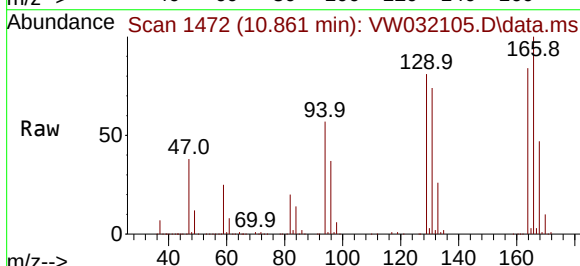
Concen: 56.838 ug/l

RT: 10.861 min Scan# 1472

Delta R.T. -0.006 min

Lab File: VW032105.D

Acq: 14 Aug 2025 19:32



Tgt Ion:164 Resp: 107005

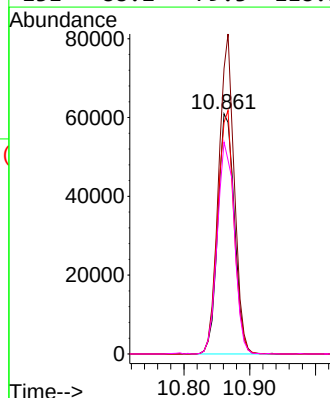
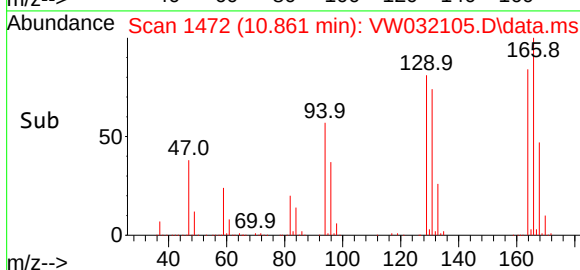
Ion Ratio Lower Upper

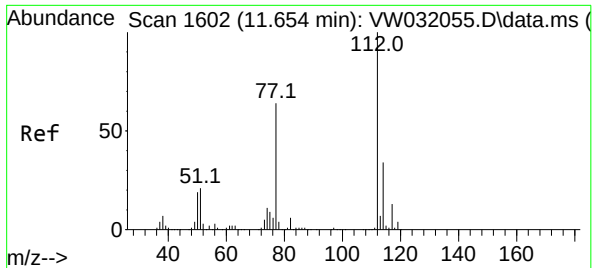
164 100

166 118.8 100.9 151.3

129 96.4 83.6 125.4

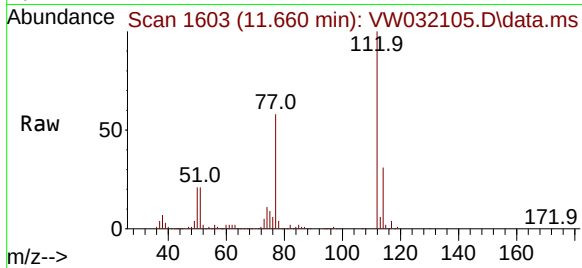
131 88.2 79.3 118.9





#65
Chlorobenzene
Concen: 49.157 ug/l
RT: 11.660 min Scan# 1603
Delta R.T. 0.006 min
Lab File: VW032105.D
Acq: 14 Aug 2025 19:32

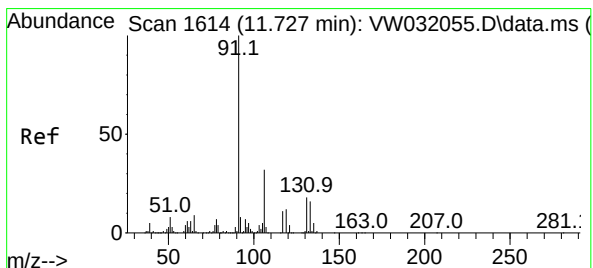
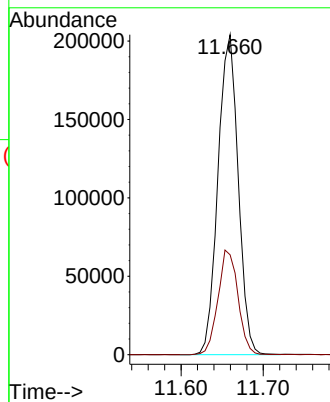
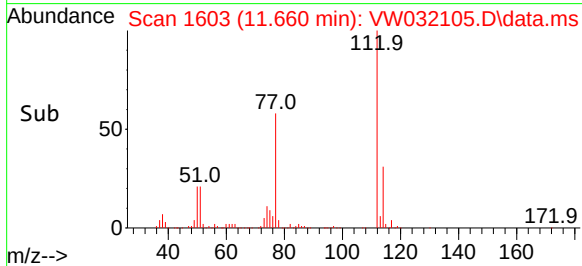
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC



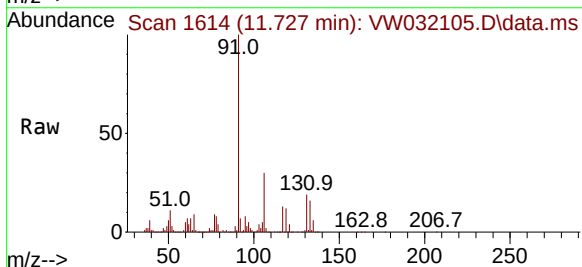
Tgt Ion:112 Resp: 348750
Ion Ratio Lower Upper
112 100
114 31.2 26.9 40.3

Manual Integrations
APPROVED

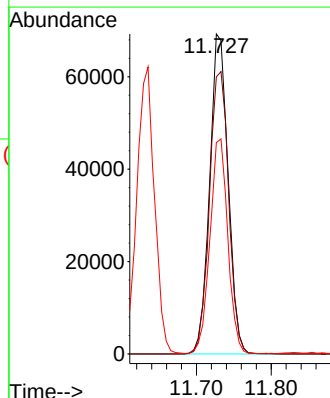
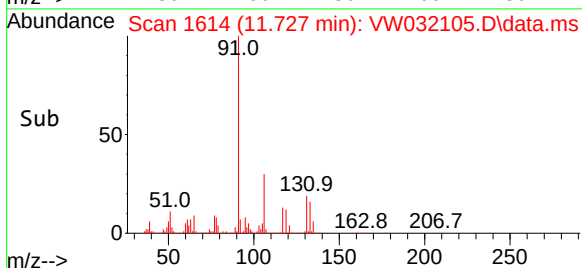
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025

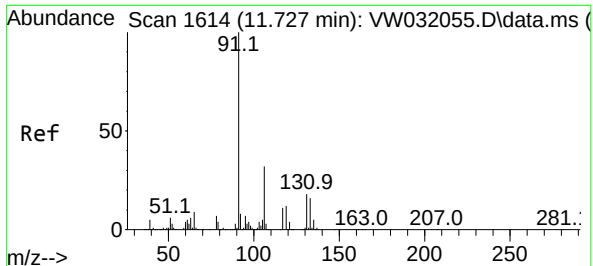


#66
1,1,1,2-Tetrachloroethane
Concen: 53.648 ug/l
RT: 11.727 min Scan# 1614
Delta R.T. -0.000 min
Lab File: VW032105.D
Acq: 14 Aug 2025 19:32



Tgt Ion:131 Resp: 118751
Ion Ratio Lower Upper
131 100
133 92.1 47.3 142.0
119 65.1 34.5 103.5





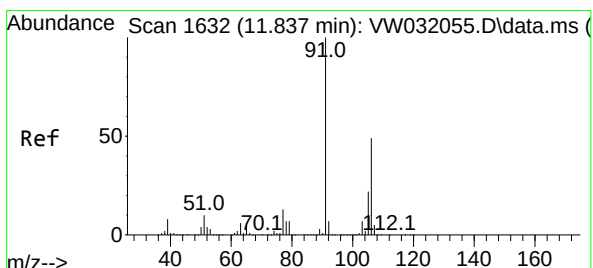
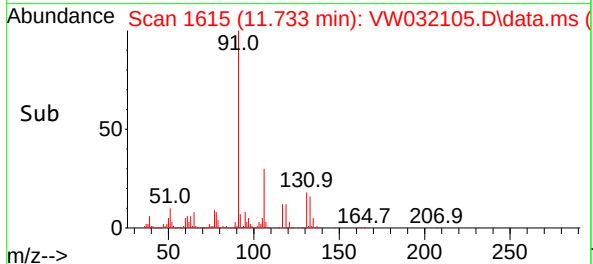
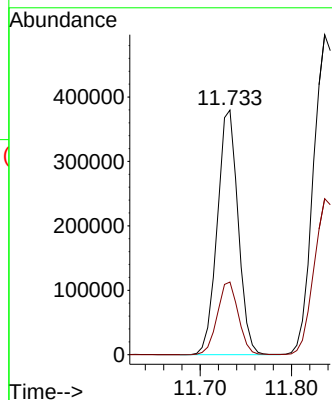
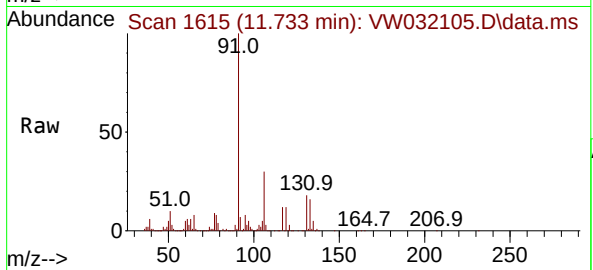
#67
Ethyl Benzene
Concen: 50.069 ug/l
RT: 11.733 min Scan# 1615
Delta R.T. 0.006 min
Lab File: VW032105.D
Acq: 14 Aug 2025 19:32

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 601688
Ion Ratio Lower Upper
91 100
106 29.7 25.4 38.0

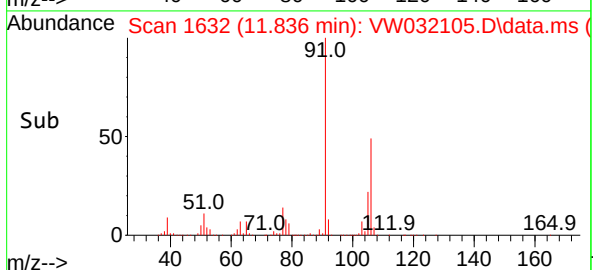
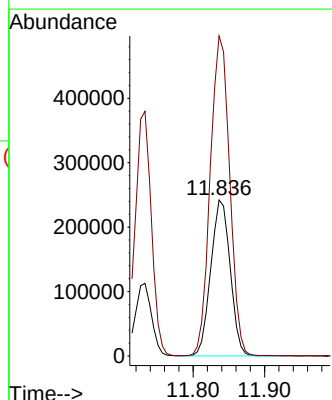
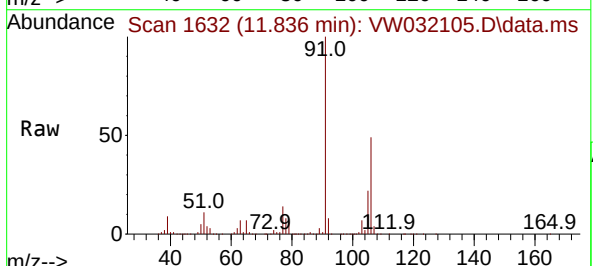
Manual Integrations
APPROVED

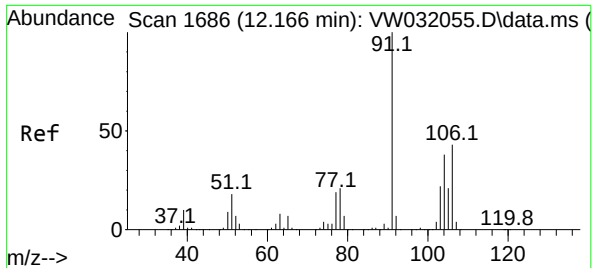
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025



#68
m/p-Xylenes
Concen: 98.314 ug/l
RT: 11.836 min Scan# 1632
Delta R.T. -0.000 min
Lab File: VW032105.D
Acq: 14 Aug 2025 19:32

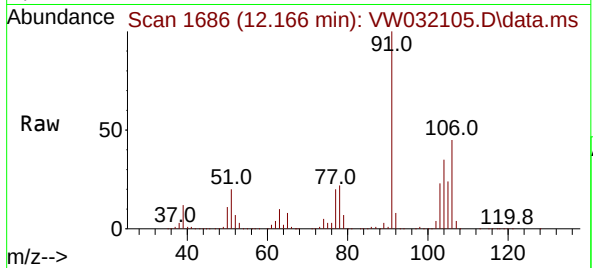
Tgt Ion:106 Resp: 455888
Ion Ratio Lower Upper
106 100
91 206.4 162.2 243.2





#69
o-Xylene
Concen: 50.609 ug/l
RT: 12.166 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VW032105.D
Acq: 14 Aug 2025 19:32

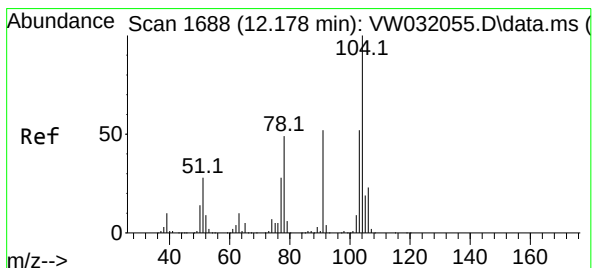
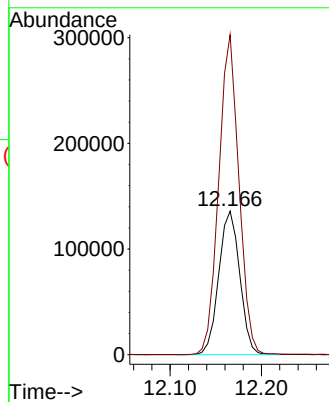
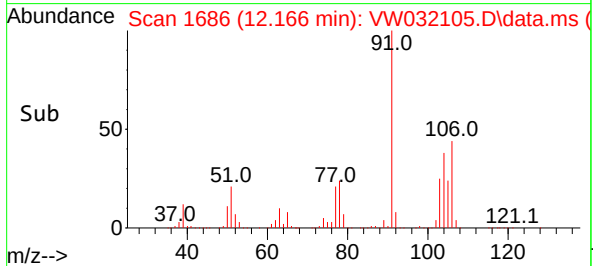
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC



Tgt Ion:106 Resp: 21690
Ion Ratio Lower Upper
106 100
91 215.1 110.8 332.3

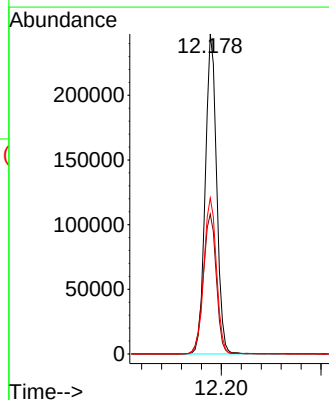
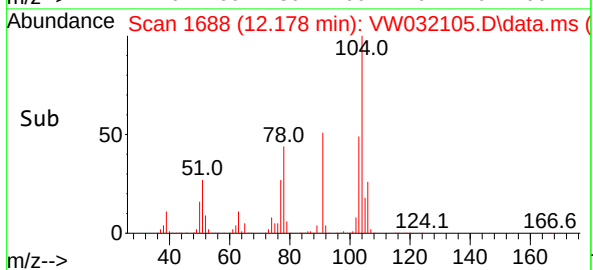
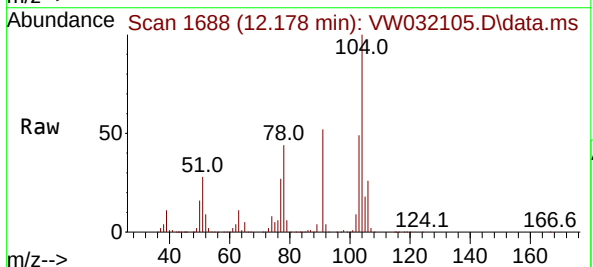
Manual Integrations
APPROVED

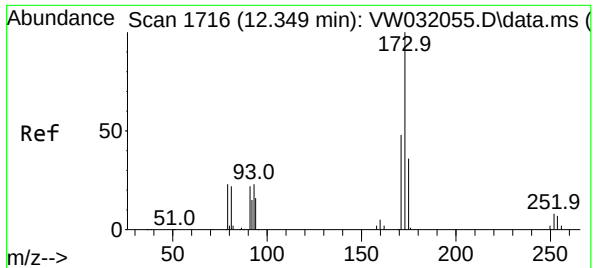
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025



#70
Styrene
Concen: 51.563 ug/l
RT: 12.178 min Scan# 1688
Delta R.T. -0.000 min
Lab File: VW032105.D
Acq: 14 Aug 2025 19:32

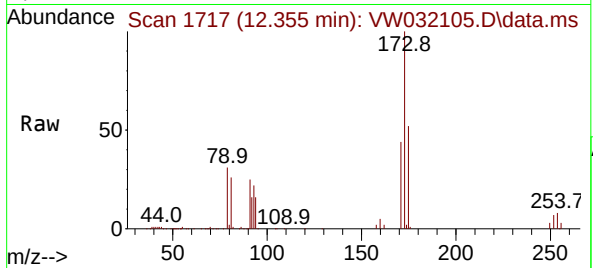
Tgt Ion:104 Resp: 392538
Ion Ratio Lower Upper
104 100
78 50.0 41.2 61.8
103 54.2 43.8 65.8





#71
Bromoform
Concen: 55.047 ug/l
RT: 12.355 min Scan# 1716
Delta R.T. 0.006 min
Lab File: VW032105.D
Acq: 14 Aug 2025 19:32

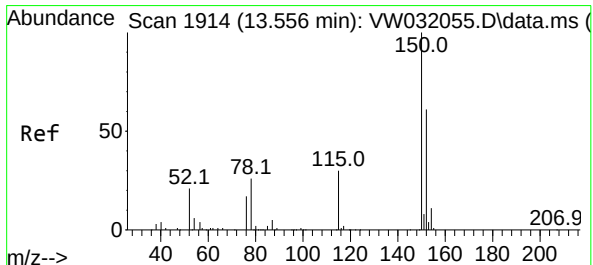
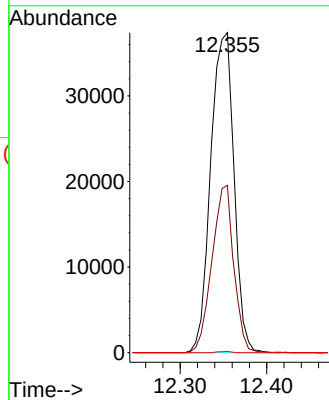
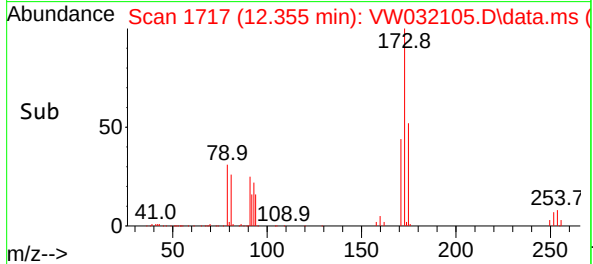
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC



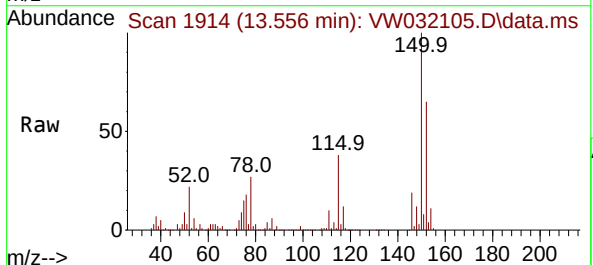
Tgt Ion:173 Resp: 69699
Ion Ratio Lower Upper
173 100
175 49.1 22.9 68.7
254 0.2 0.0 0.0

Manual Integrations
APPROVED

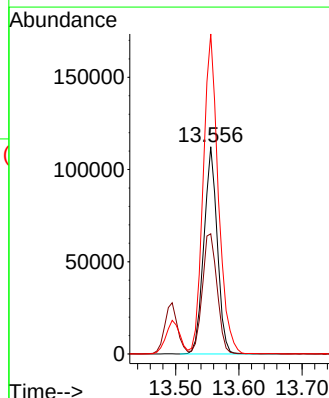
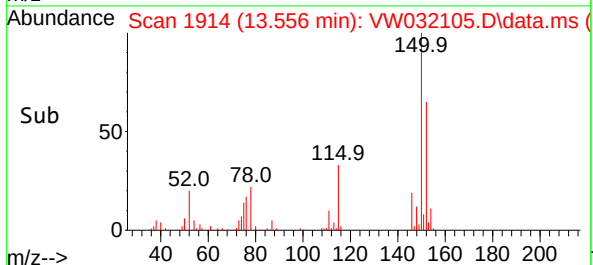
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025

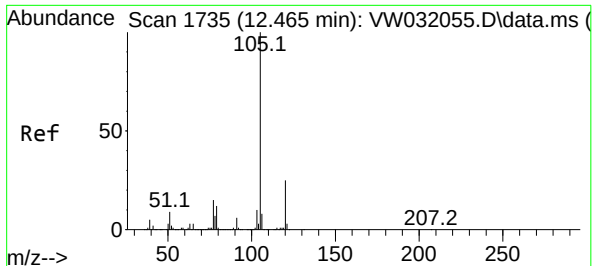


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. -0.000 min
Lab File: VW032105.D
Acq: 14 Aug 2025 19:32



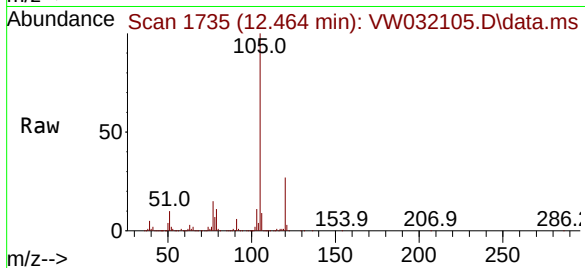
Tgt Ion:152 Resp: 166040
Ion Ratio Lower Upper
152 100
115 63.7 32.6 97.8
150 174.1 0.0 359.4





#73
Isopropylbenzene
Concen: 46.544 ug/l
RT: 12.464 min Scan# 1735
Delta R.T. -0.000 min
Lab File: VW032105.D
Acq: 14 Aug 2025 19:32

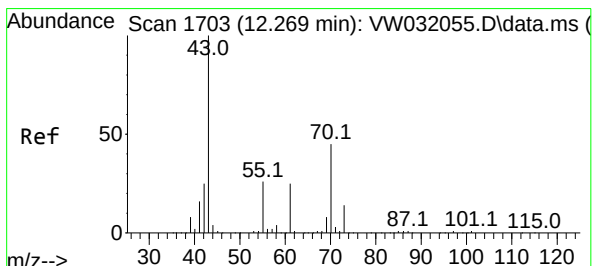
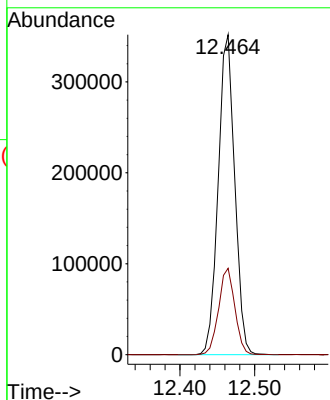
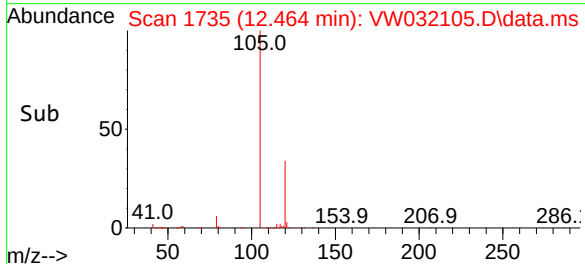
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC



Tgt Ion:105 Resp: 54086
Ion Ratio Lower Upper
105 100
120 26.6 12.8 38.4

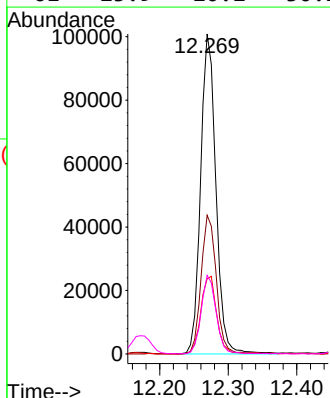
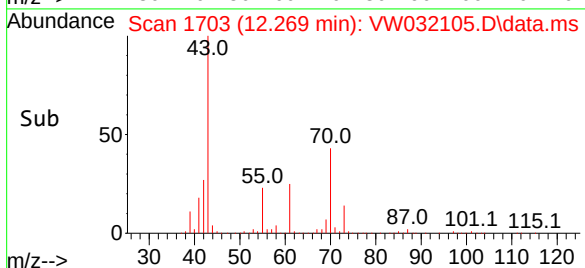
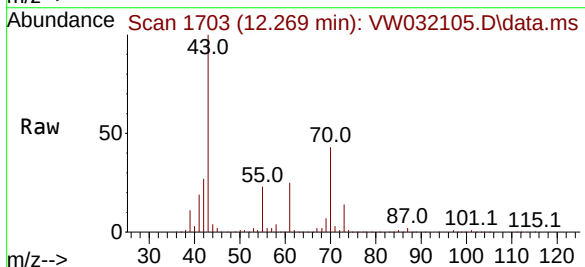
Manual Integrations
APPROVED

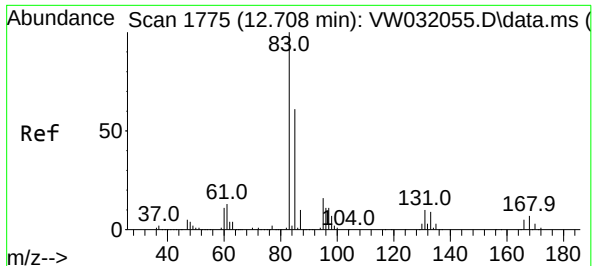
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025



#74
N-ethyl acetate
Concen: 47.086 ug/l
RT: 12.269 min Scan# 1703
Delta R.T. -0.000 min
Lab File: VW032105.D
Acq: 14 Aug 2025 19:32

Tgt Ion: 43 Resp: 156756
Ion Ratio Lower Upper
43 100
70 43.4 37.0 55.4
55 25.1 21.1 31.7
61 23.9 20.2 30.2





#75

1,1,2,2-Tetrachloroethane

Concen: 47.526 ug/l

RT: 12.708 min Scan# 1775

Delta R.T. -0.000 min

Lab File: VW032105.D

Acq: 14 Aug 2025 19:32

Instrument :

MSVOA_W

ClientSampleId :

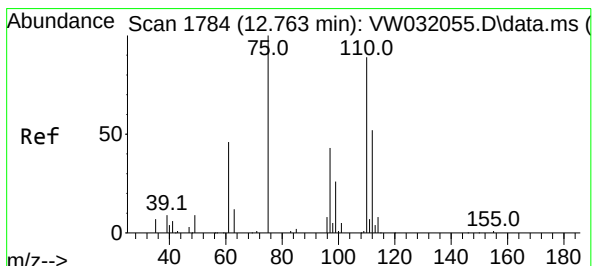
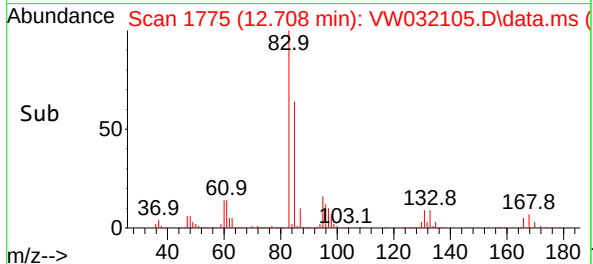
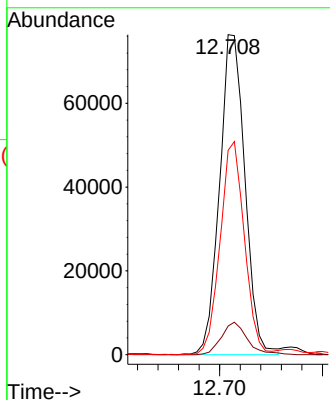
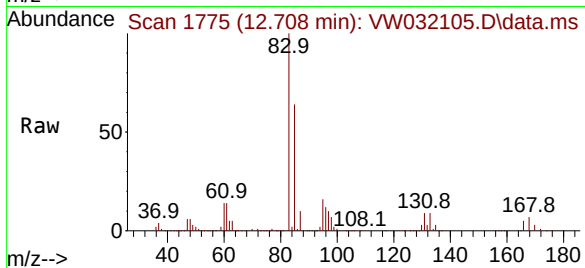
VSTDCCC050EC

Tgt Ion:	83	Resp:	130940
Ion Ratio	Lower	Upper	
83	100		
131	10.3	5.1	15.4
85	63.7	32.2	96.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025



#76

1,2,3-Trichloropropane

Concen: 42.291 ug/l m

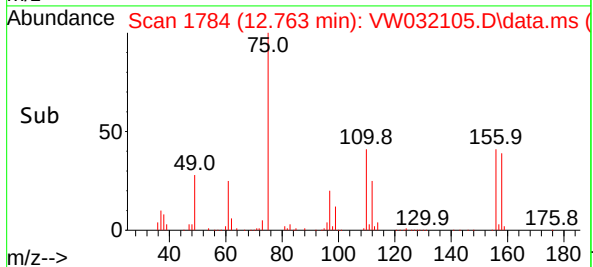
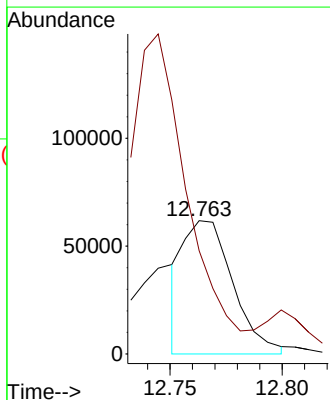
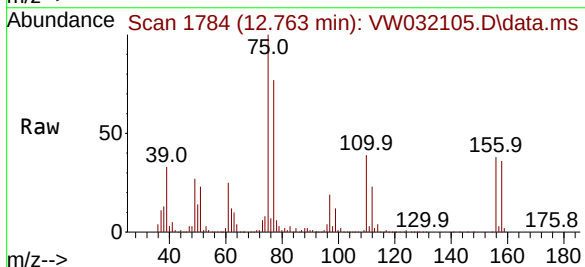
RT: 12.763 min Scan# 1784

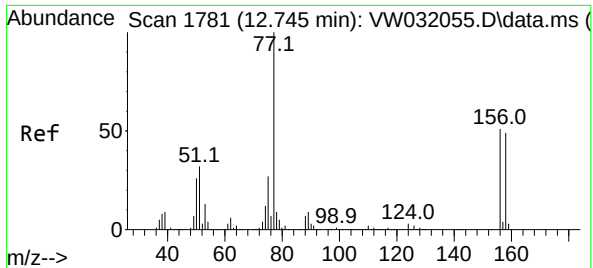
Delta R.T. -0.000 min

Lab File: VW032105.D

Acq: 14 Aug 2025 19:32

Tgt Ion:	75	Resp:	95304
Ion Ratio	Lower	Upper	
75	100		
77	286.6	123.5	370.5





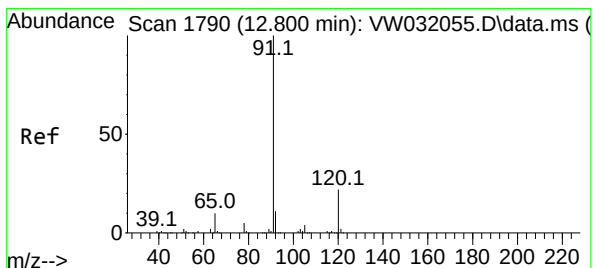
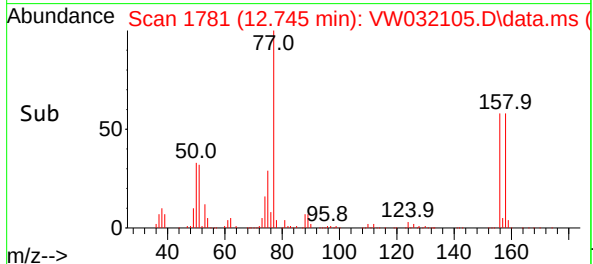
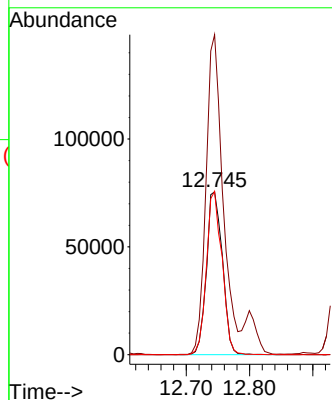
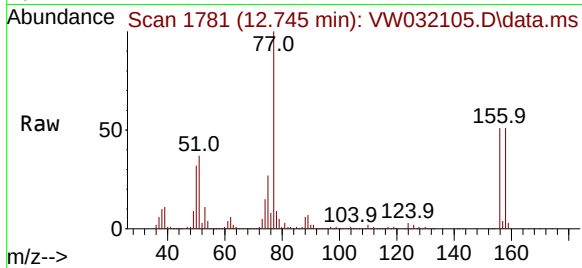
#77
Bromobenzene
Concen: 47.862 ug/l
RT: 12.745 min Scan# 1781
Delta R.T. -0.000 min
Lab File: VW032105.D
Acq: 14 Aug 2025 19:32

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion:156 Resp: 132649
Ion Ratio Lower Upper
156 100
77 205.9 108.7 326.3
158 98.2 48.3 144.9

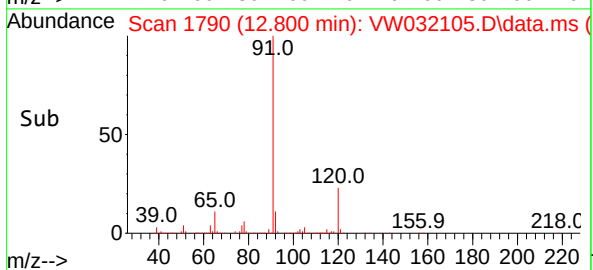
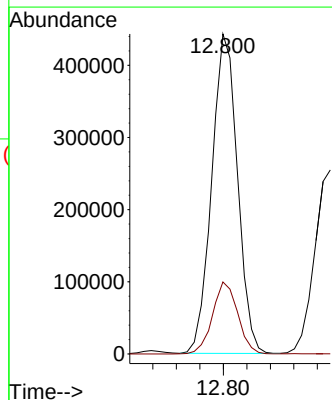
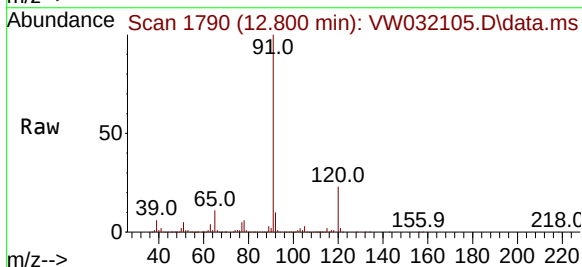
Manual Integrations
APPROVED

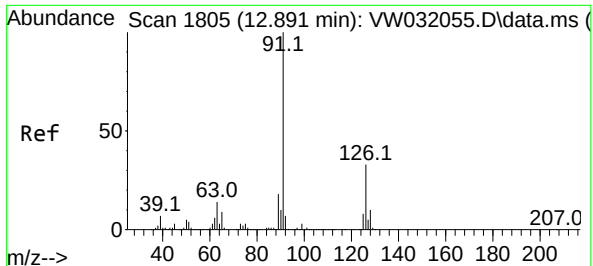
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025



#78
n-propylbenzene
Concen: 47.233 ug/l
RT: 12.800 min Scan# 1790
Delta R.T. -0.000 min
Lab File: VW032105.D
Acq: 14 Aug 2025 19:32

Tgt Ion: 91 Resp: 674775
Ion Ratio Lower Upper
91 100
120 22.0 11.1 33.3





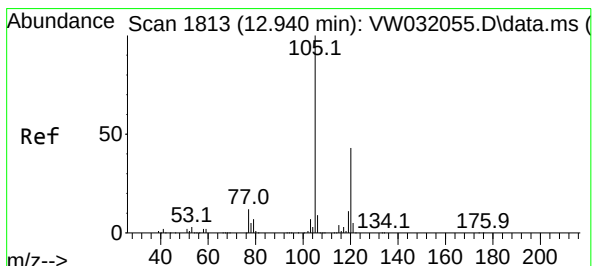
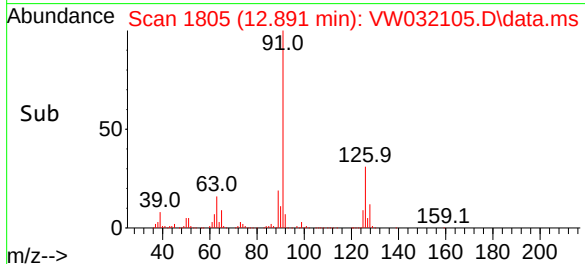
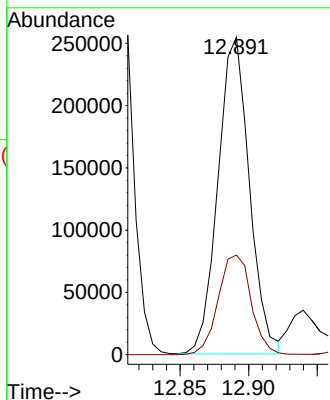
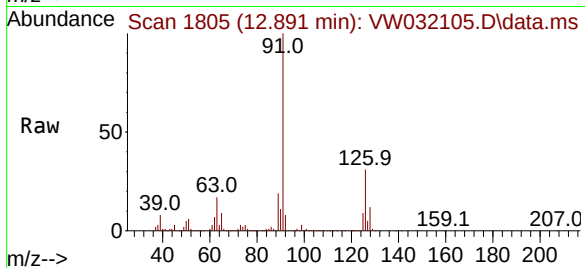
#79
2-Chlorotoluene
Concen: 46.044 ug/l
RT: 12.891 min Scan# 1805
Delta R.T. -0.000 min
Lab File: VW032105.D
Acq: 14 Aug 2025 19:32

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 40596
Ion Ratio Lower Upper
91 100
126 32.9 15.9 47.7

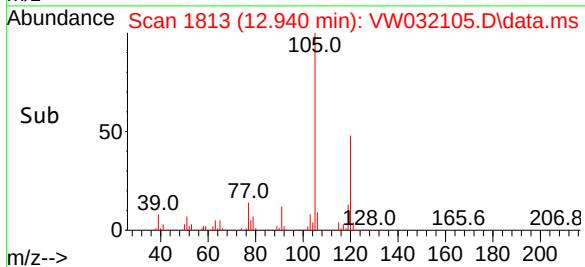
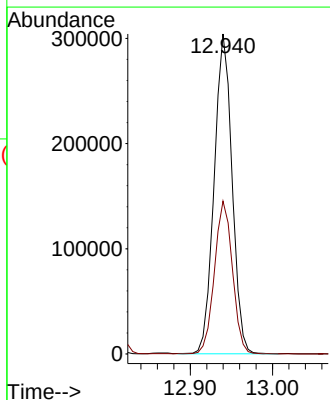
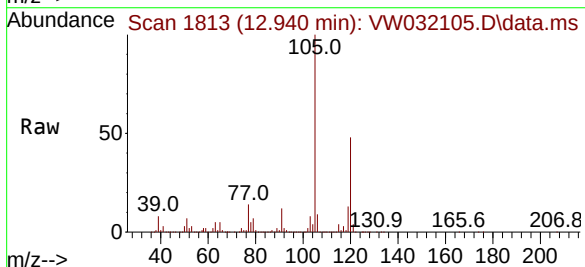
Manual Integrations
APPROVED

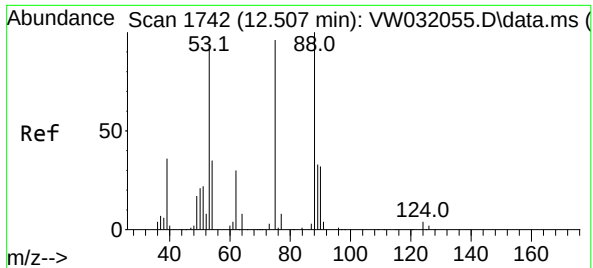
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025



#80
1,3,5-Trimethylbenzene
Concen: 46.706 ug/l
RT: 12.940 min Scan# 1813
Delta R.T. -0.000 min
Lab File: VW032105.D
Acq: 14 Aug 2025 19:32

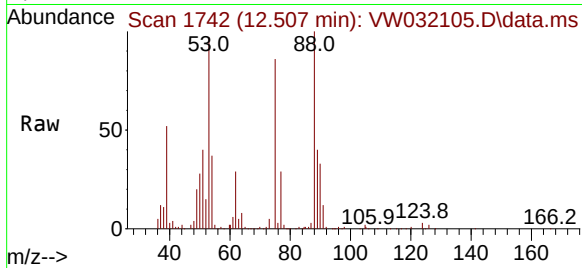
Tgt Ion:105 Resp: 460118
Ion Ratio Lower Upper
105 100
120 47.9 23.4 70.0





#81
trans-1,4-Dichloro-2-butene
Concen: 39.765 ug/l
RT: 12.507 min Scan# 1742
Delta R.T. -0.000 min
Lab File: VW032105.D
Acq: 14 Aug 2025 19:32

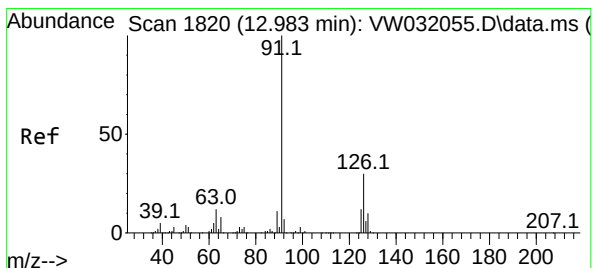
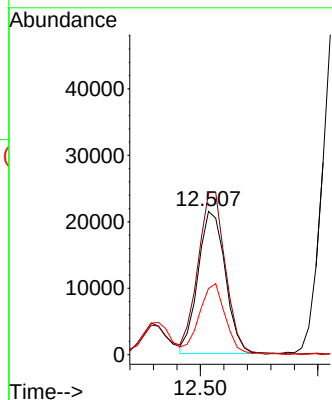
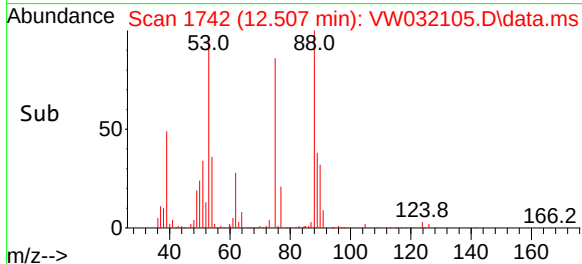
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC



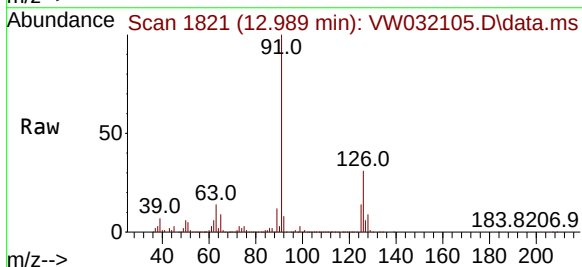
Tgt Ion: 75 Resp: 34614
Ion Ratio Lower Upper
75 100
53 114.9 81.0 121.6
89 48.3 37.3 55.9

Manual Integrations
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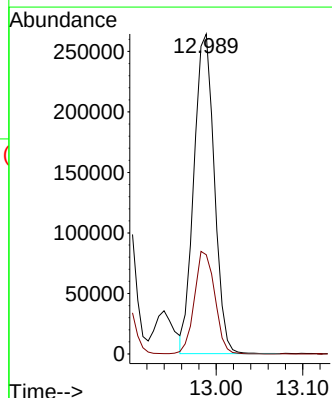
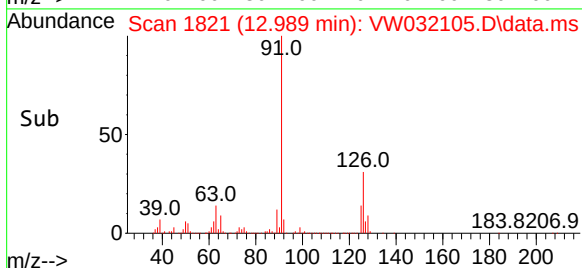
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025

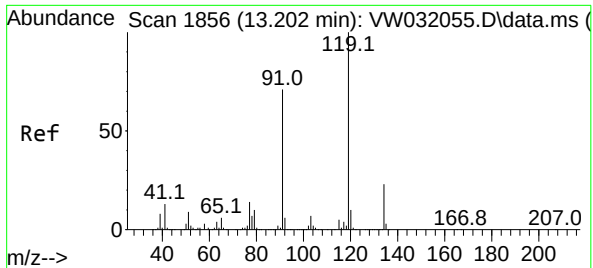


#82
4-Chlorotoluene
Concen: 46.038 ug/l
RT: 12.989 min Scan# 1821
Delta R.T. 0.006 min
Lab File: VW032105.D
Acq: 14 Aug 2025 19:32



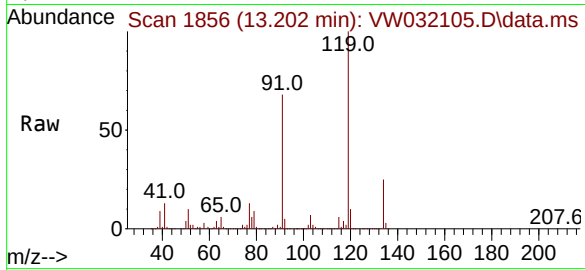
Tgt Ion: 91 Resp: 431266
Ion Ratio Lower Upper
91 100
126 32.2 15.5 46.5





#83
tert-Butylbenzene
Concen: 49.066 ug/l
RT: 13.202 min Scan# 1856
Delta R.T. -0.000 min
Lab File: VW032105.D
Acq: 14 Aug 2025 19:32

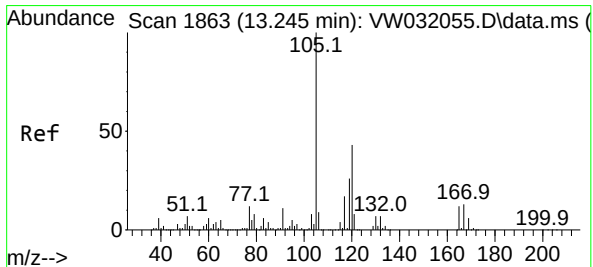
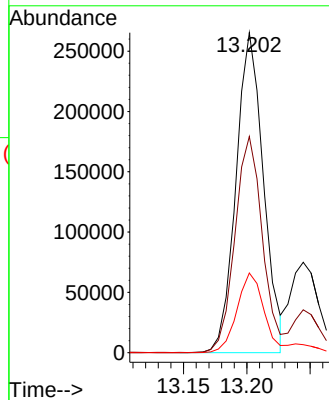
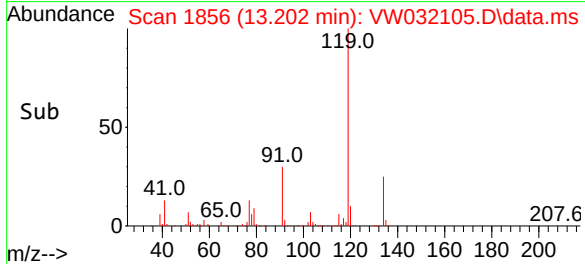
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC



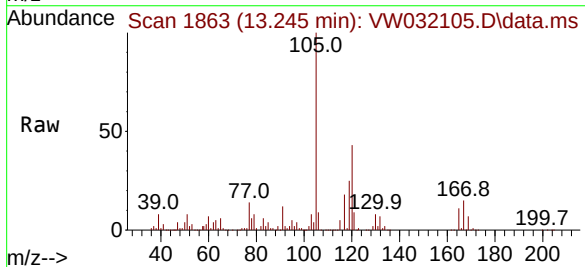
Tgt Ion:119 Resp: 401156
Ion Ratio Lower Upper
119 100
91 67.3 35.3 105.9
134 24.7 12.1 36.3

Manual Integrations
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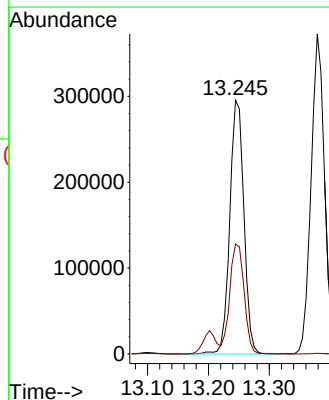
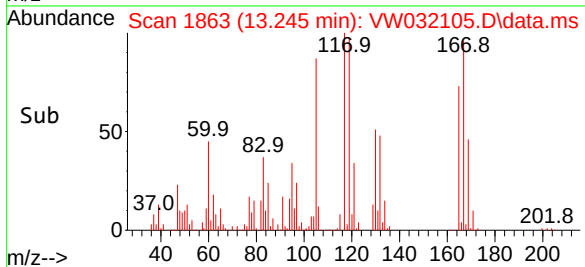
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025

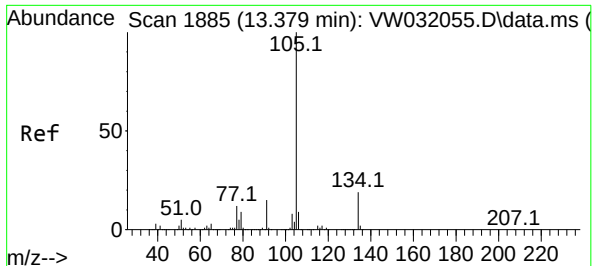


#84
1,2,4-Trimethylbenzene
Concen: 47.371 ug/l
RT: 13.245 min Scan# 1863
Delta R.T. -0.000 min
Lab File: VW032105.D
Acq: 14 Aug 2025 19:32



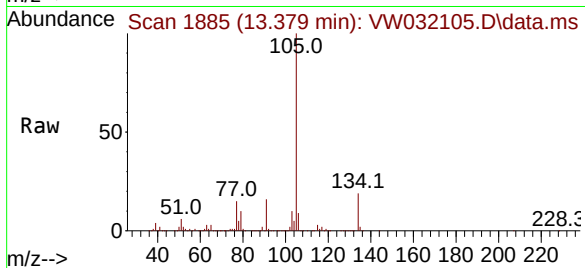
Tgt Ion:105 Resp: 475052
Ion Ratio Lower Upper
105 100
120 43.9 21.6 64.8





#85
sec-Butylbenzene
Concen: 45.955 ug/l
RT: 13.379 min Scan# 1885
Delta R.T. -0.000 min
Lab File: VW032105.D
Acq: 14 Aug 2025 19:32

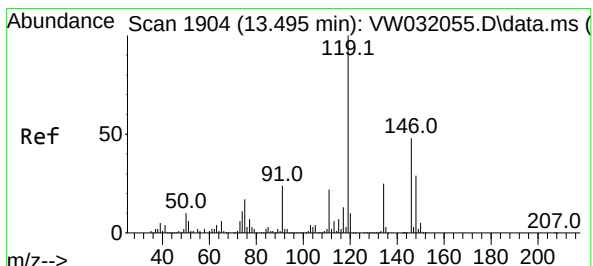
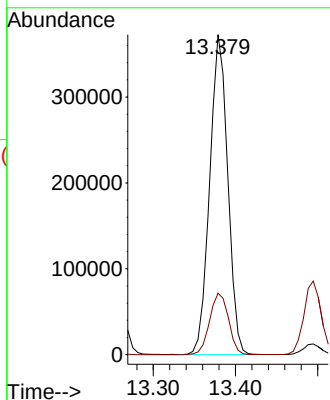
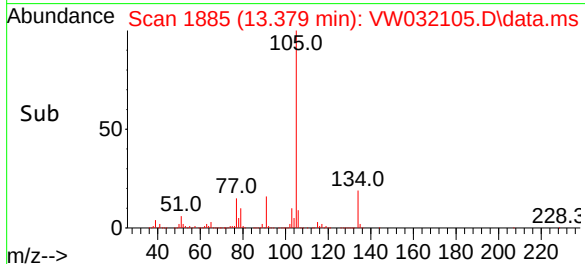
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC



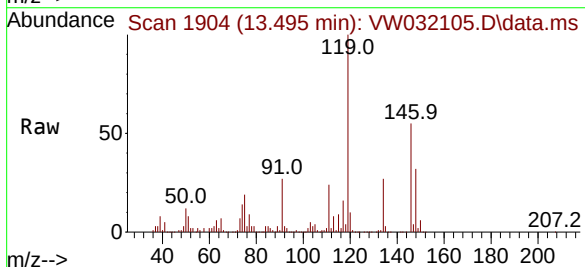
Tgt Ion:105 Resp: 568054
Ion Ratio Lower Upper
105 100
134 20.1 9.9 29.7

Manual Integrations
APPROVED

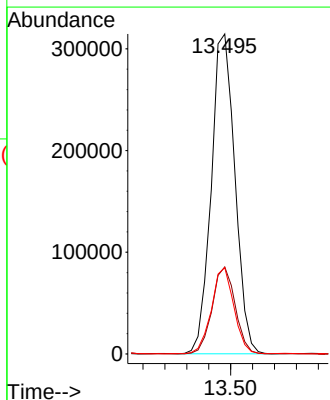
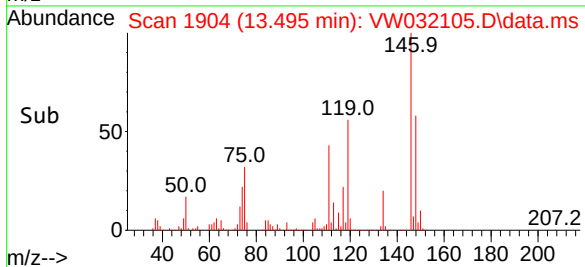
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025

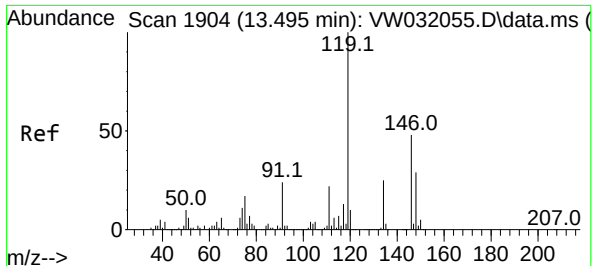


#86
p-Isopropyltoluene
Concen: 45.874 ug/l
RT: 13.495 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VW032105.D
Acq: 14 Aug 2025 19:32



Tgt Ion:119 Resp: 472729
Ion Ratio Lower Upper
119 100
134 26.4 12.4 37.0
91 25.4 12.1 36.3





#87

1,3-Dichlorobenzene

Concen: 49.021 ug/l

RT: 13.495 min Scan# 1904

Delta R.T. -0.000 min

Lab File: VW032105.D

Acq: 14 Aug 2025 19:32

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tgt Ion:146 Resp: 270340

Ion Ratio Lower Upper

146 100

111 42.9 21.2 63.6

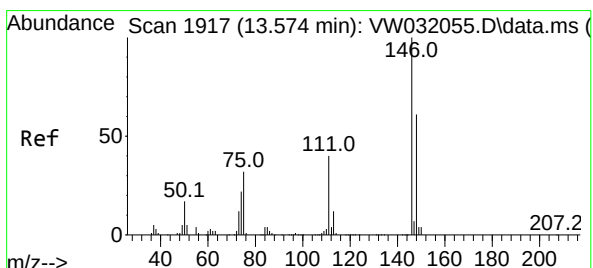
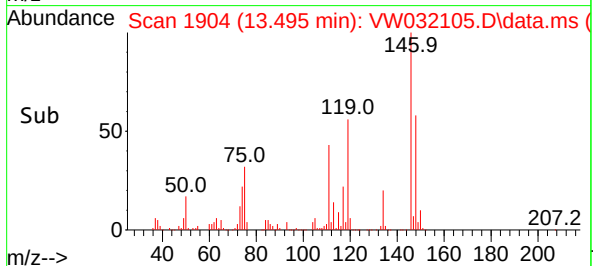
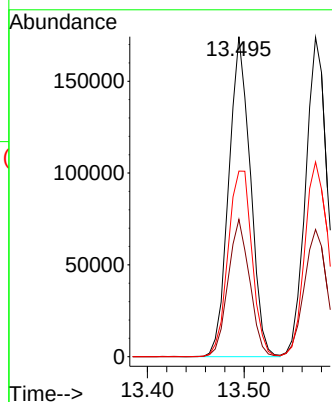
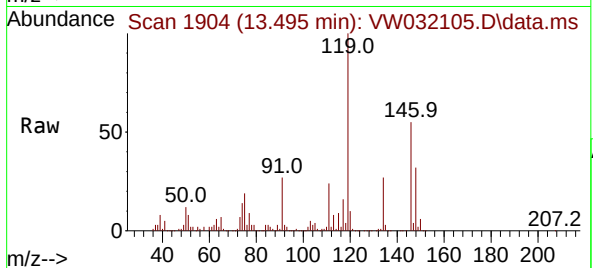
148 64.5 30.3 90.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/19/2025

Supervised By :Mahesh Dadoda 08/19/2025



#88

1,4-Dichlorobenzene

Concen: 48.665 ug/l

RT: 13.574 min Scan# 1917

Delta R.T. -0.000 min

Lab File: VW032105.D

Acq: 14 Aug 2025 19:32

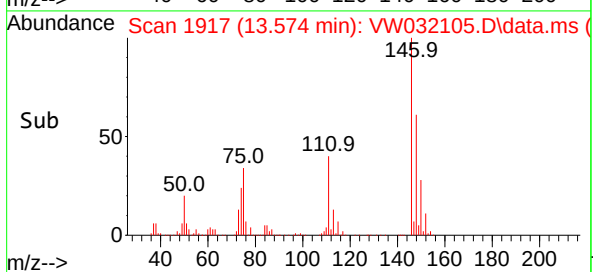
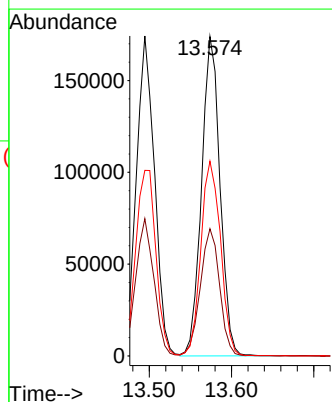
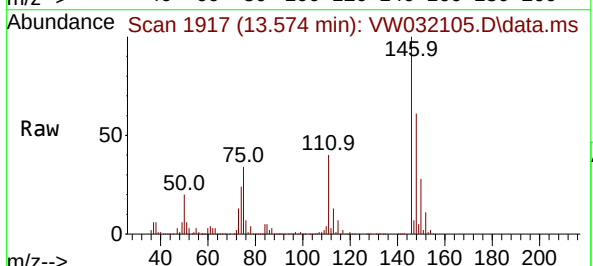
Tgt Ion:146 Resp: 271213

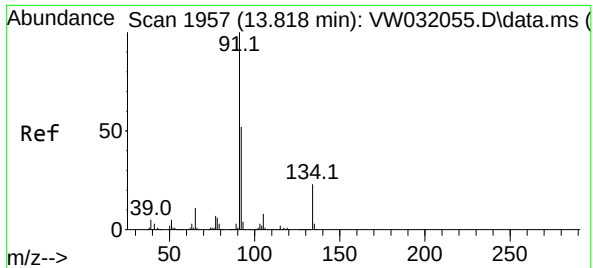
Ion Ratio Lower Upper

146 100

111 41.4 21.6 64.6

148 65.1 32.0 96.2





#89

n-Butylbenzene

Concen: 46.594 ug/l

RT: 13.818 min Scan# 1957

Delta R.T. -0.000 min

Lab File: VW032105.D

Acq: 14 Aug 2025 19:32

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 91 Resp: 466468

Ion Ratio Lower Upper

91 100

92 52.7 26.7 80.1

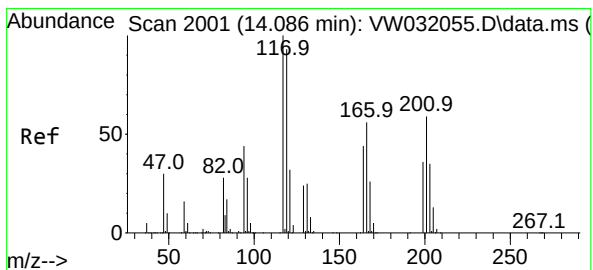
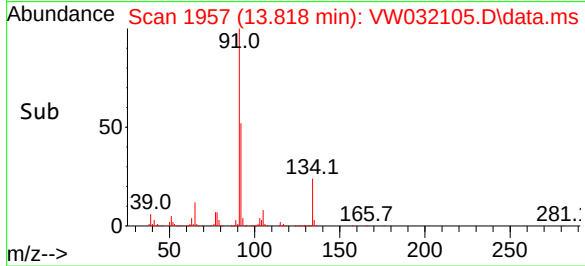
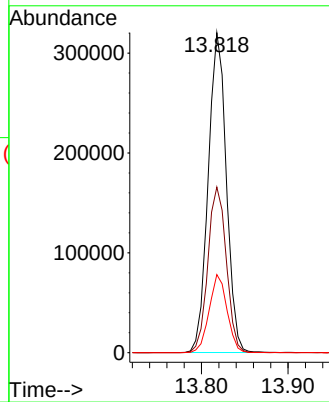
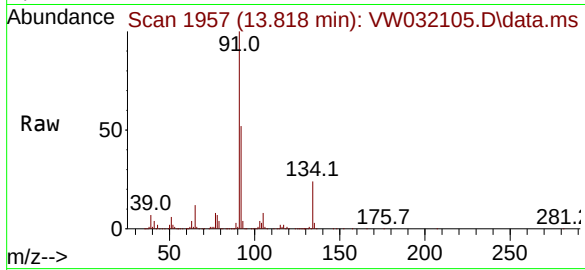
134 24.2 12.0 36.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/19/2025

Supervised By :Mahesh Dadoda 08/19/2025



#90

Hexachloroethane

Concen: 46.262 ug/l

RT: 14.086 min Scan# 2001

Delta R.T. -0.000 min

Lab File: VW032105.D

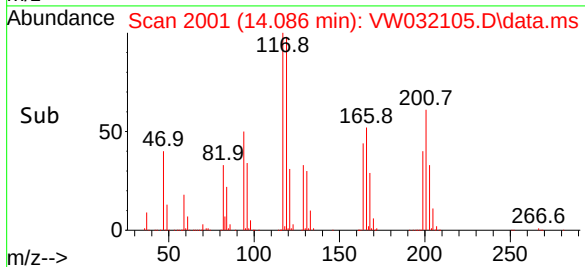
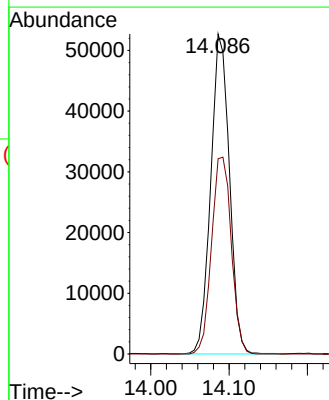
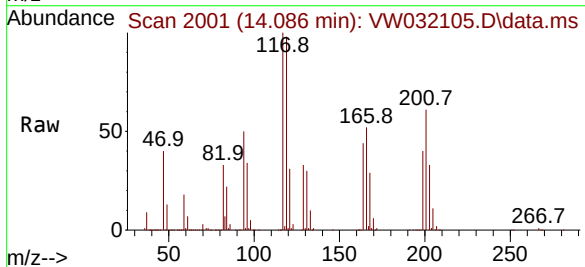
Acq: 14 Aug 2025 19:32

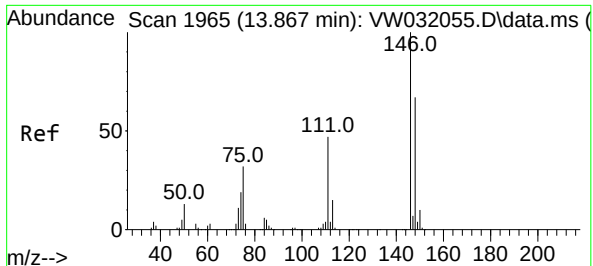
Tgt Ion:117 Resp: 87184

Ion Ratio Lower Upper

117 100

201 65.1 30.9 92.5





#91

1,2-Dichlorobenzene

Concen: 48.837 ug/l

RT: 13.866 min Scan# 1965

Delta R.T. -0.000 min

Lab File: VW032105.D

Acq: 14 Aug 2025 19:32

Instrument :

MSVOA_W

ClientSampleId :

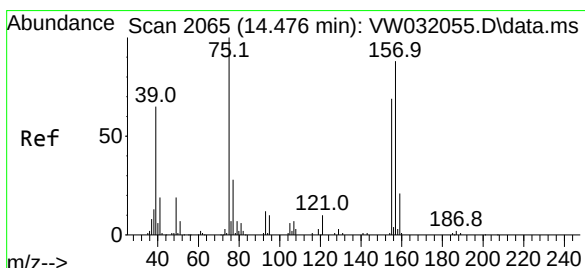
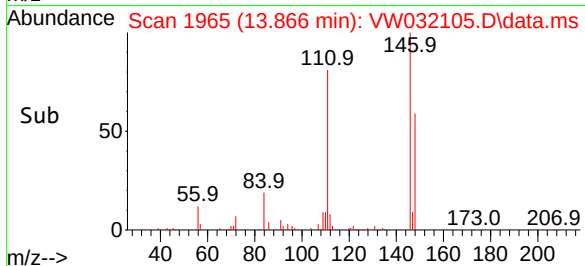
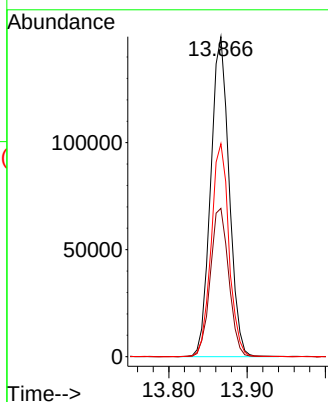
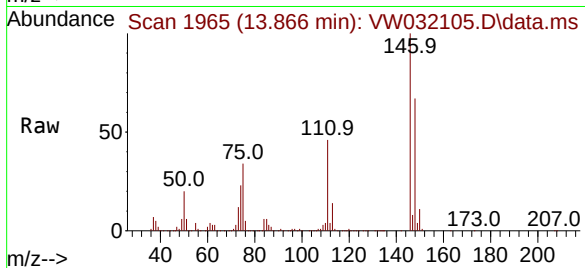
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
146	100		
111	46.5	23.1	69.3
148	64.4	32.9	98.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/19/2025
 Supervised By :Mahesh Dadoda 08/19/2025



#92

1,2-Dibromo-3-Chloropropane

Concen: 44.641 ug/l

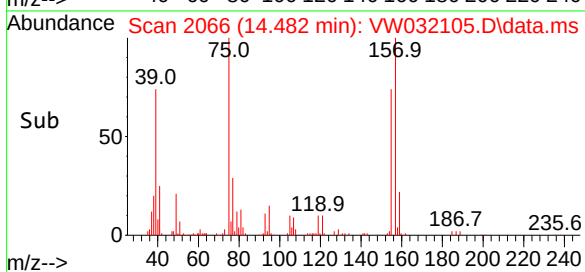
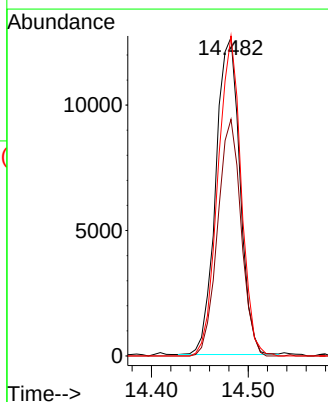
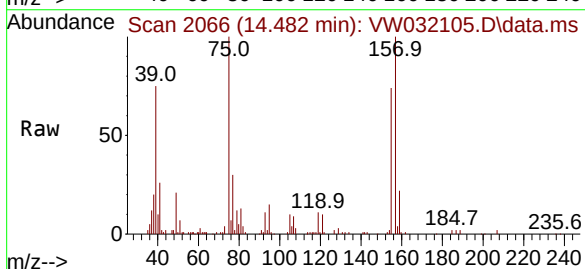
RT: 14.482 min Scan# 2066

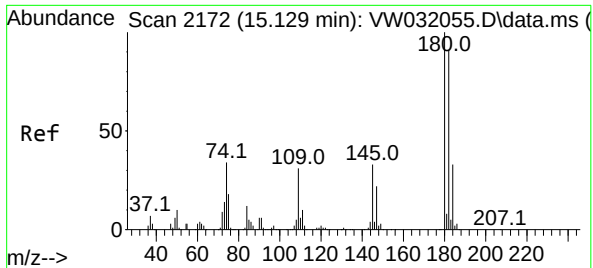
Delta R.T. 0.006 min

Lab File: VW032105.D

Acq: 14 Aug 2025 19:32

Tgt Ion	Ratio	Lower	Upper
75	100		
155	72.5	35.2	105.6
157	96.7	47.5	142.6





#93

1,2,4-Trichlorobenzene

Concen: 48.861 ug/l

RT: 15.122 min Scan# 2172

Delta R.T. -0.006 min

Lab File: VW032105.D

Acq: 14 Aug 2025 19:32

Instrument :

MSVOA_W

ClientSampleId :

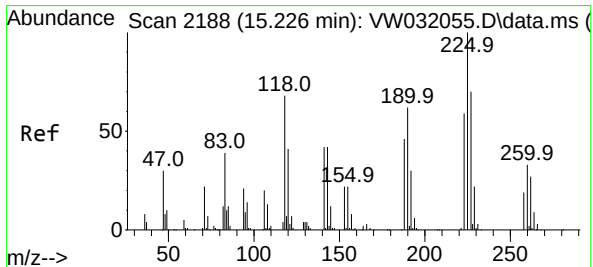
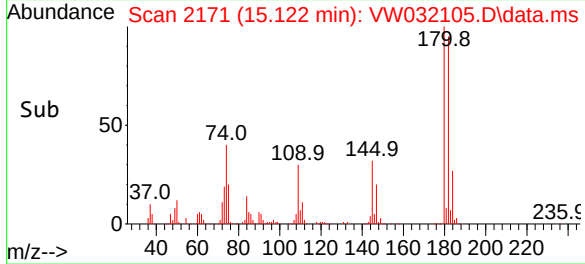
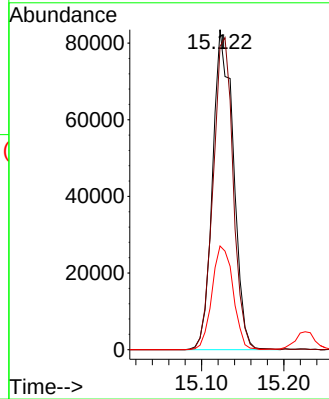
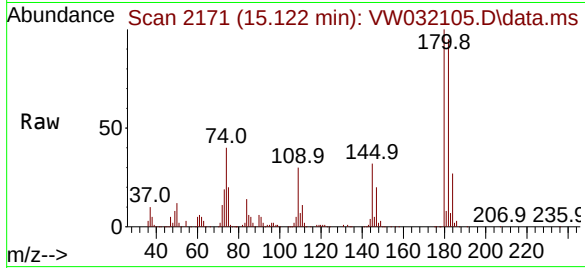
VSTDC0050EC

Tgt Ion:180	Resp: 146018
Ion Ratio	Lower Upper
180 100	
182 94.2	49.0 147.0
145 33.1	17.3 51.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025



#94

Hexachlorobutadiene

Concen: 50.817 ug/l

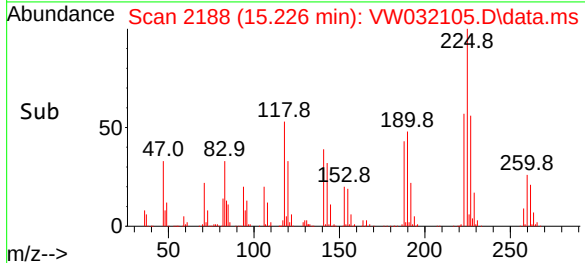
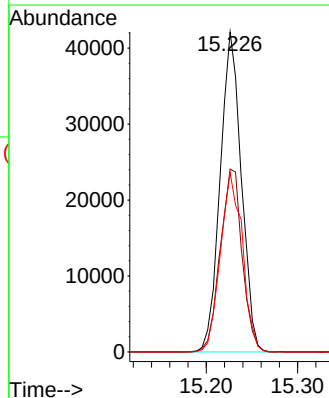
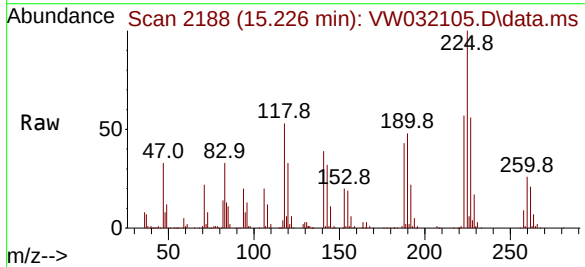
RT: 15.226 min Scan# 2188

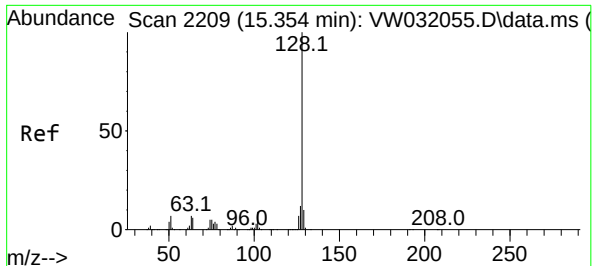
Delta R.T. -0.000 min

Lab File: VW032105.D

Acq: 14 Aug 2025 19:32

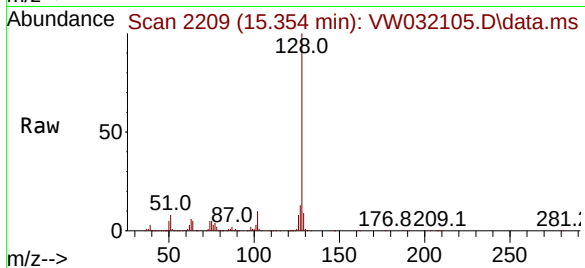
Tgt Ion:225	Resp: 67884
Ion Ratio	Lower Upper
225 100	
223 59.2	31.8 95.3
227 58.1	33.5 100.5





#95
Naphthalene
Concen: 47.200 ug/l
RT: 15.354 min Scan# 21
Delta R.T. -0.000 min
Lab File: VW032105.D
Acq: 14 Aug 2025 19:32

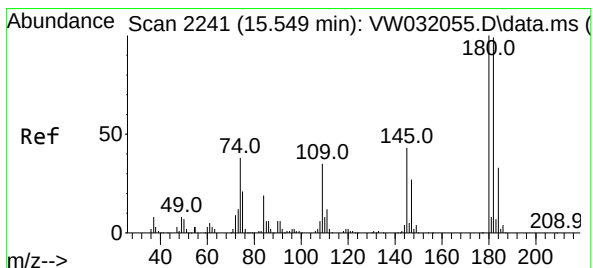
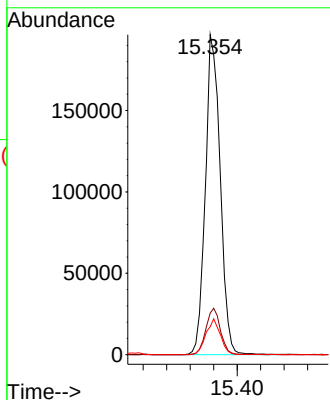
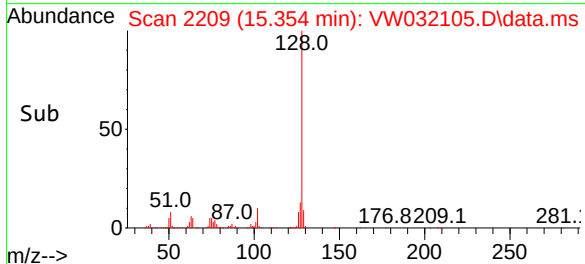
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC



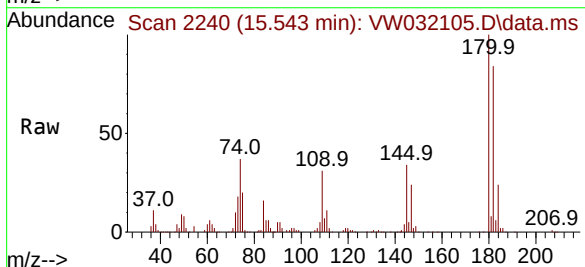
Tgt Ion:128 Resp: 345629
Ion Ratio Lower Upper
128 100
127 14.3 10.5 15.7
129 10.9 8.2 12.4

Manual Integrations
APPROVED

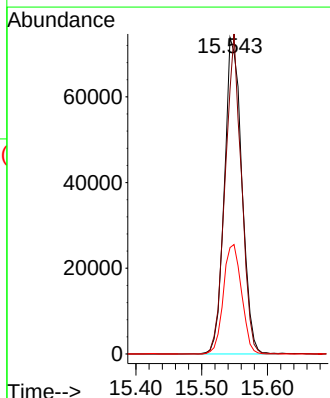
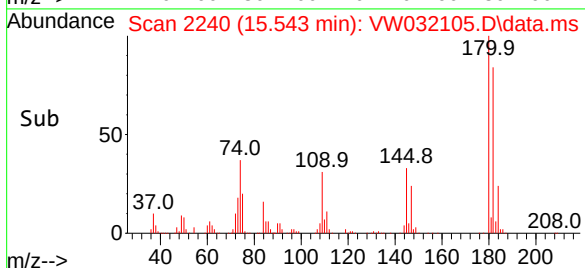
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025



#96
1,2,3-Trichlorobenzene
Concen: 50.054 ug/l
RT: 15.543 min Scan# 2240
Delta R.T. -0.006 min
Lab File: VW032105.D
Acq: 14 Aug 2025 19:32



Tgt Ion:180 Resp: 136101
Ion Ratio Lower Upper
180 100
182 94.1 46.0 138.0
145 36.0 19.2 57.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
Data File : VW032105.D
Acq On : 14 Aug 2025 19:32
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_W
LabSampleId :
VSTDCCC050

Quant Time: Aug 18 03:58:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 12 04:04:48 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	1.000	1.000	0.0	86	0.00
2 T	Dichlorodifluoromethane	0.358	0.320	10.6	82	0.00
3 P	Chloromethane	0.482	0.409	15.1	80	0.00
4 C	Vinyl Chloride	0.583	0.500	14.2#	81	0.00
5 T	Bromomethane	0.437	0.428	2.1	89	0.00
6 T	Chloroethane	0.386	0.359	7.0	84	0.00
7 T	Trichlorofluoromethane	0.467	0.483	-3.4	89	0.00
8 T	Diethyl Ether	0.382	0.392	-2.6	88	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.551	0.543	1.5	90	0.00
10 T	Methyl Iodide	0.781	0.753	3.6	86	0.00
11 T	Tert butyl alcohol	0.047	0.039	17.0	66	0.00
12 CM	1,1-Dichloroethene	0.606	0.595	1.8#	89	0.00
13 T	Acrolein	0.075	0.038	49.3#	46#	0.00
14 T	Allyl chloride	0.883	0.702	20.5	70	0.00
15 T	Acrylonitrile	0.182	0.167	8.2	75	0.00
16 T	Acetone	0.167	0.155	7.2	81	0.00
17 T	Carbon Disulfide	1.628	1.296	20.4	71	0.00
18 T	Methyl Acetate	0.530	0.562	-6.0	87	0.00
19 T	Methyl tert-butyl Ether	1.068	1.004	6.0	78	0.00
20 T	Methylene Chloride	0.774	0.649	16.1	82	0.00
21 T	trans-1,2-Dichloroethene	0.644	0.594	7.8	81	0.00
22 T	Diisopropyl ether	1.860	1.755	5.6	80	0.00
23 T	Vinyl Acetate	1.222	1.119	8.4	74	0.00
24 P	1,1-Dichloroethane	1.189	1.090	8.3	81	0.00
25 T	2-Butanone	0.238	0.223	6.3	75	0.00
26 T	2,2-Dichloropropane	0.596	0.466	21.8	69	0.00
27 T	cis-1,2-Dichloroethene	0.752	0.737	2.0	84	0.00
28 T	Bromochloromethane	0.541	0.553	-2.2	87	0.00
29 T	Tetrahydrofuran	0.157	0.150	4.5	75	0.00
30 C	Chloroform	1.260	1.273	-1.0#	88	0.00
31 T	Cyclohexane	1.031	0.799	22.5	71	0.00
32 T	1,1,1-Trichloroethane	0.915	0.845	7.7	83	0.00
33 S	1,2-Dichloroethane-d4	0.723	0.767	-6.1	92	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	84	0.00
35 S	Dibromofluoromethane	0.323	0.350	-8.4	90	0.00
36 T	1,1-Dichloropropene	0.455	0.438	3.7	78	0.00
37 T	Ethyl Acetate	0.268	0.273	-1.9	78	0.00
38 T	Carbon Tetrachloride	0.439	0.449	-2.3	84	0.00
39 T	Methylcyclohexane	0.555	0.498	10.3	72	0.00
40 TM	Benzene	1.415	1.412	0.2	80	0.00
41 T	Methacrylonitrile	0.152	0.148	2.6	74	0.00
42 TM	1,2-Dichloroethane	0.453	0.496	-9.5	89	0.00
43 T	Isopropyl Acetate	0.493	0.499	-1.2	77	0.00
44 TM	Trichloroethene	0.337	0.343	-1.8	85	0.00
45 C	1,2-Dichloropropane	0.342	0.340	0.6#	81	0.00
46 T	Dibromomethane	0.221	0.234	-5.9	86	0.00
47 T	Bromodichloromethane	0.509	0.543	-6.7	85	0.00
48 T	Methyl methacrylate	0.238	0.242	-1.7	76	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
Data File : VW032105.D
Acq On : 14 Aug 2025 19:32
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_W
LabSampleId :
VSTDCCC050

Quant Time: Aug 18 03:58:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 12 04:04:48 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	1,4-Dioxane	0.003	0.003	0.0	76	0.00
50 S	Toluene-d8	1.195	1.268	-6.1	85	0.00
51 T	4-Methyl-2-Pentanone	0.279	0.300	-7.5	80	0.00
52 CM	Toluene	0.892	0.913	-2.4#	82	0.00
53 T	t-1,3-Dichloropropene	0.476	0.465	2.3	76	0.00
54 T	cis-1,3-Dichloropropene	0.541	0.523	3.3	75	0.00
55 T	1,1,2-Trichloroethane	0.293	0.307	-4.8	84	0.00
56 T	Ethyl methacrylate	0.392	0.408	-4.1	78	0.00
57 T	1,3-Dichloropropane	0.511	0.519	-1.6	82	0.00
58 T	2-Chloroethyl Vinyl ether	0.217	0.235	-8.3	82	0.00
59 T	2-Hexanone	0.193	0.209	-8.3	79	0.00
60 T	Dibromochloromethane	0.335	0.360	-7.5	86	0.00
61 T	1,2-Dibromoethane	0.285	0.303	-6.3	85	0.00
62 S	4-Bromofluorobenzene	0.440	0.446	-1.4	81	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	86	0.00
64 T	Tetrachloroethene	0.289	0.328	-13.5	102	0.00
65 PM	Chlorobenzene	1.088	1.070	1.7	86	0.00
66 T	1,1,1,2-Tetrachloroethane	0.340	0.364	-7.1	93	0.00
67 C	Ethyl Benzene	1.843	1.846	-0.2#	85	0.00
68 T	m/p-Xylenes	0.711	0.699	1.7	83	0.00
69 T	o-Xylene	0.657	0.665	-1.2	84	0.00
70 T	Styrene	1.168	1.204	-3.1	86	0.00
71 P	Bromoform	0.194	0.214	-10.3	89	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	93	0.00
73 T	Isopropylbenzene	3.494	3.253	6.9	83	0.00
74 T	N-amyl acetate	1.003	0.944	5.9	79	0.00
75 P	1,1,2,2-Tetrachloroethane	0.830	0.789	4.9	84	0.00
76 T	1,2,3-Trichloropropane	0.679	0.574	15.5	69	0.00
77 T	Bromobenzene	0.835	0.799	4.3	85	0.00
78 T	n-propylbenzene	4.302	4.064	5.5	84	0.00
79 T	2-Chlorotoluene	2.655	2.445	7.9	83	0.00
80 T	1,3,5-Trimethylbenzene	2.967	2.771	6.6	83	0.00
81 T	trans-1,4-Dichloro-2-butene	0.262	0.208	20.6	67	0.00
82 T	4-Chlorotoluene	2.821	2.597	7.9	83	0.00
83 T	tert-Butylbenzene	2.462	2.416	1.9	87	0.00
84 T	1,2,4-Trimethylbenzene	3.020	2.861	5.3	83	0.00
85 T	sec-Butylbenzene	3.722	3.421	8.1	82	0.00
86 T	p-Isopropyltoluene	3.103	2.847	8.3	80	0.00
87 T	1,3-Dichlorobenzene	1.661	1.628	2.0	86	0.00
88 T	1,4-Dichlorobenzene	1.678	1.633	2.7	91	0.00
89 T	n-Butylbenzene	3.015	2.809	6.8	82	0.00
90 T	Hexachloroethane	0.568	0.525	7.6	86	0.00
91 T	1,2-Dichlorobenzene	1.504	1.469	2.3	89	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.147	0.132	10.2	77	0.00
93 T	1,2,4-Trichlorobenzene	0.900	0.879	2.3	89	0.00
94 T	Hexachlorobutadiene	0.402	0.409	-1.7	98	0.00
95 T	Naphthalene	2.205	2.082	5.6	79	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
Data File : VW032105.D
Acq On : 14 Aug 2025 19:32
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_W
LabSampleId :
VSTDCCC050

Quant Time: Aug 18 03:58:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 12 04:04:48 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.819	0.820	-0.1	91	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
Data File : VW032105.D
Acq On : 14 Aug 2025 19:32
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_W
LabSampleId :
VSTDCCC050

Quant Time: Aug 18 03:58:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 12 04:04:48 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	50.000	50.000	0.0	86	0.00
2 T	Dichlorodifluoromethane	50.000	44.771	10.5	82	0.00
3 P	Chloromethane	50.000	42.481	15.0	80	0.00
4 C	Vinyl Chloride	50.000	42.913	14.2#	81	0.00
5 T	Bromomethane	50.000	48.904	2.2	89	0.00
6 T	Chloroethane	50.000	46.574	6.9	84	0.00
7 T	Trichlorofluoromethane	50.000	51.784	-3.6	89	0.00
8 T	Diethyl Ether	50.000	51.265	-2.5	88	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	49.330	1.3	90	0.00
10 T	Methyl Iodide	50.000	48.234	3.5	86	0.00
11 T	Tert butyl alcohol	250.000	206.356	17.5	66	0.00
12 CM	1,1-Dichloroethene	50.000	49.059	1.9#	89	0.00
13 T	Acrolein	250.000	126.071	49.6#	46	0.00
14 T	Allyl chloride	50.000	39.755	20.5	70	0.00
15 T	Acrylonitrile	250.000	229.148	8.3	75	0.00
16 T	Acetone	250.000	232.009	7.2	81	0.00
17 T	Carbon Disulfide	50.000	39.816	20.4	71	0.00
18 T	Methyl Acetate	50.000	53.076	-6.2	87	0.00
19 T	Methyl tert-butyl Ether	50.000	46.982	6.0	78	0.00
20 T	Methylene Chloride	50.000	41.890	16.2	82	0.00
21 T	trans-1,2-Dichloroethene	50.000	46.116	7.8	81	0.00
22 T	Diisopropyl ether	50.000	47.159	5.7	80	0.00
23 T	Vinyl Acetate	250.000	229.096	8.4	74	0.00
24 P	1,1-Dichloroethane	50.000	45.846	8.3	81	0.00
25 T	2-Butanone	250.000	234.553	6.2	75	0.00
26 T	2,2-Dichloropropane	50.000	39.077	21.8	69	0.00
27 T	cis-1,2-Dichloroethene	50.000	49.023	2.0	84	0.00
28 T	Bromochloromethane	50.000	51.150	-2.3	87	0.00
29 T	Tetrahydrofuran	250.000	239.596	4.2	75	0.00
30 C	Chloroform	50.000	50.525	-1.0#	88	0.00
31 T	Cyclohexane	50.000	38.784	22.4	71	0.00
32 T	1,1,1-Trichloroethane	50.000	46.176	7.6	83	0.00
33 S	1,2-Dichloroethane-d4	50.000	53.028	-6.1	92	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	84	0.00
35 S	Dibromofluoromethane	50.000	54.222	-8.4	90	0.00
36 T	1,1-Dichloropropene	50.000	48.076	3.8	78	0.00
37 T	Ethyl Acetate	50.000	50.898	-1.8	78	0.00
38 T	Carbon Tetrachloride	50.000	51.129	-2.3	84	0.00
39 T	Methylcyclohexane	50.000	44.891	10.2	72	0.00
40 TM	Benzene	50.000	49.865	0.3	80	0.00
41 T	Methacrylonitrile	50.000	48.528	2.9	74	0.00
42 TM	1,2-Dichloroethane	50.000	54.726	-9.5	89	0.00
43 T	Isopropyl Acetate	50.000	50.564	-1.1	77	0.00
44 TM	Trichloroethene	50.000	50.915	-1.8	85	0.00
45 C	1,2-Dichloropropane	50.000	49.769	0.5#	81	0.00
46 T	Dibromomethane	50.000	53.105	-6.2	86	0.00
47 T	Bromodichloromethane	50.000	53.359	-6.7	85	0.00
48 T	Methyl methacrylate	50.000	50.886	-1.8	76	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
Data File : VW032105.D
Acq On : 14 Aug 2025 19:32
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_W
LabSampleId :
VSTDCCC050

Quant Time: Aug 18 03:58:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 12 04:04:48 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49 T	1,4-Dioxane	1000.000	1041.083	-4.1	76	0.00
50 S	Toluene-d8	50.000	53.076	-6.2	85	0.00
51 T	4-Methyl-2-Pentanone	250.000	269.316	-7.7	80	0.00
52 CM	Toluene	50.000	51.219	-2.4#	82	0.00
53 T	t-1,3-Dichloropropene	50.000	48.849	2.3	76	0.00
54 T	cis-1,3-Dichloropropene	50.000	48.366	3.3	75	0.00
55 T	1,1,2-Trichloroethane	50.000	52.415	-4.8	84	0.00
56 T	Ethyl methacrylate	50.000	51.993	-4.0	78	0.00
57 T	1,3-Dichloropropane	50.000	50.807	-1.6	82	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	271.010	-8.4	82	0.00
59 T	2-Hexanone	250.000	270.484	-8.2	79	0.00
60 T	Dibromochloromethane	50.000	53.691	-7.4	86	0.00
61 T	1,2-Dibromoethane	50.000	53.107	-6.2	85	0.00
62 S	4-Bromofluorobenzene	50.000	50.684	-1.4	81	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	86	0.00
64 T	Tetrachloroethene	50.000	56.838	-13.7	102	0.00
65 PM	Chlorobenzene	50.000	49.157	1.7	86	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	53.648	-7.3	93	0.00
67 C	Ethyl Benzene	50.000	50.069	-0.1#	85	0.00
68 T	m/p-Xylenes	100.000	98.314	1.7	83	0.00
69 T	o-Xylene	50.000	50.609	-1.2	84	0.00
70 T	Styrene	50.000	51.563	-3.1	86	0.00
71 P	Bromoform	50.000	55.047	-10.1	89	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	93	0.00
73 T	Isopropylbenzene	50.000	46.544	6.9	83	0.00
74 T	N-amyl acetate	50.000	47.086	5.8	79	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	47.526	4.9	84	0.00
76 T	1,2,3-Trichloropropane	50.000	42.291	15.4	69	0.00
77 T	Bromobenzene	50.000	47.862	4.3	85	0.00
78 T	n-propylbenzene	50.000	47.233	5.5	84	0.00
79 T	2-Chlorotoluene	50.000	46.044	7.9	83	0.00
80 T	1,3,5-Trimethylbenzene	50.000	46.706	6.6	83	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	39.765	20.5	67	0.00
82 T	4-Chlorotoluene	50.000	46.038	7.9	83	0.00
83 T	tert-Butylbenzene	50.000	49.066	1.9	87	0.00
84 T	1,2,4-Trimethylbenzene	50.000	47.371	5.3	83	0.00
85 T	sec-Butylbenzene	50.000	45.955	8.1	82	0.00
86 T	p-Isopropyltoluene	50.000	45.874	8.3	80	0.00
87 T	1,3-Dichlorobenzene	50.000	49.021	2.0	86	0.00
88 T	1,4-Dichlorobenzene	50.000	48.665	2.7	91	0.00
89 T	n-Butylbenzene	50.000	46.594	6.8	82	0.00
90 T	Hexachloroethane	50.000	46.262	7.5	86	0.00
91 T	1,2-Dichlorobenzene	50.000	48.837	2.3	89	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	44.641	10.7	77	0.00
93 T	1,2,4-Trichlorobenzene	50.000	48.861	2.3	89	0.00
94 T	Hexachlorobutadiene	50.000	50.817	-1.6	98	0.00
95 T	Naphthalene	50.000	47.200	5.6	79	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
Data File : VW032105.D
Acq On : 14 Aug 2025 19:32
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_W
LabSampleId :
VSTDCCC050

Quant Time: Aug 18 03:58:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 12 04:04:48 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T 1,2,3-Trichlorobenzene	50.000	50.054	-0.1	91	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6



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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>FIRS02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q2820</u>
Instrument ID:	<u>MSVOA_Y</u>	Calibration Date/Time:	<u>08/15/2025</u> <u>08:39</u>
Lab File ID:	<u>VY023111.D</u>	Init. Calib. Date(s):	<u>08/12/2025</u> <u>08/12/2025</u>
Heated Purge: (Y/N)	<u>Y</u>	Init. Calib. Time(s):	<u>14:54</u> <u>16:47</u>
GC Column:	<u>RXI-624</u>	ID:	<u>0.25</u> (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.408	0.332		-18.63	20
Chloromethane	0.661	0.651	0.1	-1.51	20
Vinyl Chloride	0.817	0.876		7.22	20
Bromomethane	0.610	0.659		8.03	20
Chloroethane	0.543	0.599		10.31	20
Trichlorofluoromethane	0.994	0.982		-1.21	20
1,1,2-Trichlorotrifluoroethane	0.490	0.484		-1.22	20
1,1-Dichloroethene	0.482	0.471		-2.28	20
Acetone	0.103	0.116		12.62	20
Carbon Disulfide	1.571	1.520		-3.25	20
Methyl tert-butyl Ether	1.249	1.209		-3.2	20
Methyl Acetate	0.307	0.297		-3.26	20
Methylene Chloride	0.620	0.543		-12.42	20
trans-1,2-Dichloroethene	0.541	0.549		1.48	20
1,1-Dichloroethane	0.942	0.968	0.1	2.76	20
Cyclohexane	0.888	0.845		-4.84	20
2-Butanone	0.140	0.143		2.14	20
Carbon Tetrachloride	0.483	0.506		4.76	20
cis-1,2-Dichloroethene	0.626	0.643		2.72	20
Bromochloromethane	0.374	0.395		5.61	20
Chloroform	0.971	1.017		4.74	20
1,1,1-Trichloroethane	0.862	0.888		3.02	20
Methylcyclohexane	0.586	0.583		-0.51	20
Benzene	1.370	1.455		6.2	20
1,2-Dichloroethane	0.356	0.372		4.49	20
Trichloroethene	0.354	0.366		3.39	20
1,2-Dichloropropane	0.315	0.335		6.35	20
Bromodichloromethane	0.466	0.496		6.44	20
4-Methyl-2-Pentanone	0.195	0.194		-0.51	20
Toluene	0.870	0.928		6.67	20
t-1,3-Dichloropropene	0.422	0.434		2.84	20
cis-1,3-Dichloropropene	0.499	0.523		4.81	20
1,1,2-Trichloroethane	0.242	0.252		4.13	20
2-Hexanone	0.133	0.135		1.5	20
Dibromochloromethane	0.320	0.332		3.75	20
1,2-Dibromoethane	0.228	0.230		0.88	20
Tetrachloroethene	0.446	0.469		5.16	20
Chlorobenzene	1.079	1.142	0.3	5.84	20

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



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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>FIRS02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q2820</u>
Instrument ID:	<u>MSVOA_Y</u>	Calibration Date/Time:	<u>08/15/2025</u> <u>08:39</u>
Lab File ID:	<u>VY023111.D</u>	Init. Calib. Date(s):	<u>08/12/2025</u> <u>08/12/2025</u>
Heated Purge: (Y/N)	<u>Y</u>	Init. Calib. Time(s):	<u>14:54</u> <u>16:47</u>
GC Column:	<u>RXI-624</u>	ID:	<u>0.25</u> (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.856	2.009		8.24	20
m/p-Xylenes	0.725	0.785		8.28	20
o-Xylene	0.679	0.736		8.4	20
Styrene	1.110	1.238		11.53	20
Bromoform	0.214	0.212	0.1	-0.94	20
Isopropylbenzene	3.529	3.734		5.81	20
1,1,2,2-Tetrachloroethane	0.603	0.595	0.3	-1.33	20
1,3-Dichlorobenzene	1.660	1.748		5.3	20
1,4-Dichlorobenzene	1.647	1.696		2.97	20
1,2-Dichlorobenzene	1.456	1.499		2.95	20
1,2-Dibromo-3-Chloropropane	0.094	0.090		-4.26	20
1,2,4-Trichlorobenzene	0.861	0.793		-7.9	20
1,2,3-Trichlorobenzene	0.742	0.679		-8.49	20
1,2-Dichloroethane-d4	0.477	0.480		0.63	20
Dibromofluoromethane	0.299	0.309		3.34	20
Toluene-d8	1.169	1.206		3.16	20
4-Bromofluorobenzene	0.376	0.376		0	20

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081525\
 Data File : VY023111.D
 Acq On : 15 Aug 2025 08:39
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Quant Time: Aug 18 02:22:29 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 13 02:10:11 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 08/19/2025
 Supervised By :Mahesh Dadoda 08/19/2025

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	443799	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	696916	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	607348	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	306948	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.061	65	212960	50.349	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 100.700%	
35) Dibromofluoromethane	7.634	113	215688	51.722	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 103.440%	
50) Toluene-d8	10.103	98	840812	51.612	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 103.220%	
62) 4-Bromofluorobenzene	12.402	95	262368	50.079	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 100.160%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.867	85	147210	40.637	ug/l	97
3) Chloromethane	2.068	50	288876	49.235	ug/l	97
4) Vinyl Chloride	2.202	62	388634	53.584	ug/l	99
5) Bromomethane	2.598	94	292335	53.970	ug/l	100
6) Chloroethane	2.733	64	266036	55.172	ug/l	99
7) Trichlorofluoromethane	3.050	101	435783	49.413	ug/l	97
8) Diethyl Ether	3.458	74	109033	46.730	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.812	101	214906	49.394	ug/l	98
10) Methyl Iodide	4.001	142	251096	53.482	ug/l	96
11) Tert butyl alcohol	4.866	59	59139	204.058	ug/l #	84
12) 1,1-Dichloroethene	3.793	96	209124	48.899	ug/l	94
13) Acrolein	3.647	56	67121	158.141	ug/l	99
14) Allyl chloride	4.379	41	305726	48.583	ug/l	98
15) Acrylonitrile	5.061	53	226259	238.524	ug/l	99
16) Acetone	3.866	43	257167	280.645	ug/l	99
17) Carbon Disulfide	4.104	76	674565	48.375	ug/l	100
18) Methyl Acetate	4.385	43	131808	48.336	ug/l	99
19) Methyl tert-butyl Ether	5.110	73	536488	48.411	ug/l	99
20) Methylene Chloride	4.610	84	241025	50.654	ug/l	98
21) trans-1,2-Dichloroethene	5.110	96	243549	50.676	ug/l	99
22) Diisopropyl ether	6.012	45	696767	50.954	ug/l	94
23) Vinyl Acetate	5.958	43	1859565	245.935	ug/l	99
24) 1,1-Dichloroethane	5.915	63	429668	51.394	ug/l	99
25) 2-Butanone	6.890	43	316503	253.961	ug/l	98
26) 2,2-Dichloropropane	6.884	77	379004	52.538	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	285339	51.356	ug/l	99
28) Bromochloromethane	7.244	49	175456	52.898	ug/l	97
29) Tetrahydrofuran	7.262	42	183118	237.044	ug/l	98
30) Chloroform	7.421	83	451255	52.336	ug/l	99
31) Cyclohexane	7.701	56	375108	47.613	ug/l	99
32) 1,1,1-Trichloroethane	7.616	97	394056	51.507	ug/l	99
36) 1,1-Dichloropropene	7.835	75	317586	51.245	ug/l	99
37) Ethyl Acetate	6.982	43	125483	48.201	ug/l	100
38) Carbon Tetrachloride	7.817	117	352681	52.395	ug/l	98
39) Methylcyclohexane	9.109	83	406063	49.756	ug/l	97
40) Benzene	8.079	78	1014264	53.099	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081525\
 Data File : VY023111.D
 Acq On : 15 Aug 2025 08:39
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Quant Time: Aug 18 02:22:29 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 13 02:10:11 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 08/19/2025
 Supervised By :Mahesh Dadoda 08/19/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	77838m	51.807	ug/l	
42) 1,2-Dichloroethane	8.158	62	258937	52.122	ug/l	100
43) Isopropyl Acetate	8.195	43	250740	47.653	ug/l #	85
44) Trichloroethene	8.866	130	255103	51.680	ug/l	97
45) 1,2-Dichloropropane	9.140	63	233639	53.160	ug/l	99
46) Dibromomethane	9.225	93	131880	52.280	ug/l	99
47) Bromodichloromethane	9.420	83	345709	53.260	ug/l	98
48) Methyl methacrylate	9.219	41	121834	48.387	ug/l	96
49) 1,4-Dioxane	9.225	88	28081	949.382	ug/l	96
51) 4-Methyl-2-Pentanone	10.000	43	674267	248.424	ug/l	100
52) Toluene	10.170	92	646468	53.288	ug/l	99
53) t-1,3-Dichloropropene	10.390	75	302783	51.512	ug/l	99
54) cis-1,3-Dichloropropene	9.853	75	364333	52.418	ug/l	98
55) 1,1,2-Trichloroethane	10.573	97	175309	51.936	ug/l	98
56) Ethyl methacrylate	10.438	69	213704	49.477	ug/l	98
57) 1,3-Dichloropropane	10.713	76	293968	51.352	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.707	63	531531	260.887	ug/l	100
59) 2-Hexanone	10.756	43	471343	255.032	ug/l	98
60) Dibromochloromethane	10.908	129	231138	51.895	ug/l	100
61) 1,2-Dibromoethane	11.012	107	160069	50.454	ug/l	100
64) Tetrachloroethene	10.646	164	284630	52.484	ug/l	99
65) Chlorobenzene	11.438	112	693667	52.949	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.511	131	239263	53.813	ug/l	98
67) Ethyl Benzene	11.518	91	1219913	54.111	ug/l	99
68) m/p-Xylenes	11.627	106	953446	108.283	ug/l	99
69) o-Xylene	11.950	106	446920	54.193	ug/l	100
70) Styrene	11.969	104	752144	55.770	ug/l	99
71) Bromoform	12.127	173	128745	49.544	ug/l #	99
73) Isopropylbenzene	12.249	105	1146162	52.906	ug/l	100
74) N-amyl acetate	12.066	43	226300	49.257	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	182753	49.405	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	151552m	51.159	ug/l	
77) Bromobenzene	12.530	156	262726	50.833	ug/l	98
78) n-propylbenzene	12.591	91	1396330	54.137	ug/l	100
79) 2-Chlorotoluene	12.676	91	783125	52.993	ug/l	99
80) 1,3,5-Trimethylbenzene	12.731	105	943980	53.915	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.298	75	59917	48.961	ug/l	99
82) 4-Chlorotoluene	12.773	91	806542	52.611	ug/l	100
83) tert-Butylbenzene	12.993	119	825002	52.171	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	946009	54.277	ug/l	99
85) sec-Butylbenzene	13.170	105	1234484	53.143	ug/l	99
86) p-Isopropyltoluene	13.286	119	1047646	54.334	ug/l	100
87) 1,3-Dichlorobenzene	13.286	146	536529	52.641	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	520698	51.501	ug/l	99
89) n-Butylbenzene	13.615	91	955218	53.939	ug/l	98
90) Hexachloroethane	13.877	117	209441	53.061	ug/l	97
91) 1,2-Dichlorobenzene	13.657	146	460235	51.489	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	27552	47.839	ug/l	95
93) 1,2,4-Trichlorobenzene	14.919	180	243376	46.042	ug/l	98
94) Hexachlorobutadiene	15.017	225	144679	46.578	ug/l	99
95) Naphthalene	15.139	128	408671	45.340	ug/l	100
96) 1,2,3-Trichlorobenzene	15.322	180	208542	45.784	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081525\
Data File : VY023111.D
Acq On : 15 Aug 2025 08:39
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Quant Time: Aug 18 02:22:29 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081525\
 Data File : VY023111.D
 Acq On : 15 Aug 2025 08:39
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/soil
 ALS Vial : 2 Sample Multiplier: 1

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Quant Time: Aug 18 02:22:29 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M

Quant Title : SW846 8260

QLast Update : Wed Aug 13 02:10:11 2025

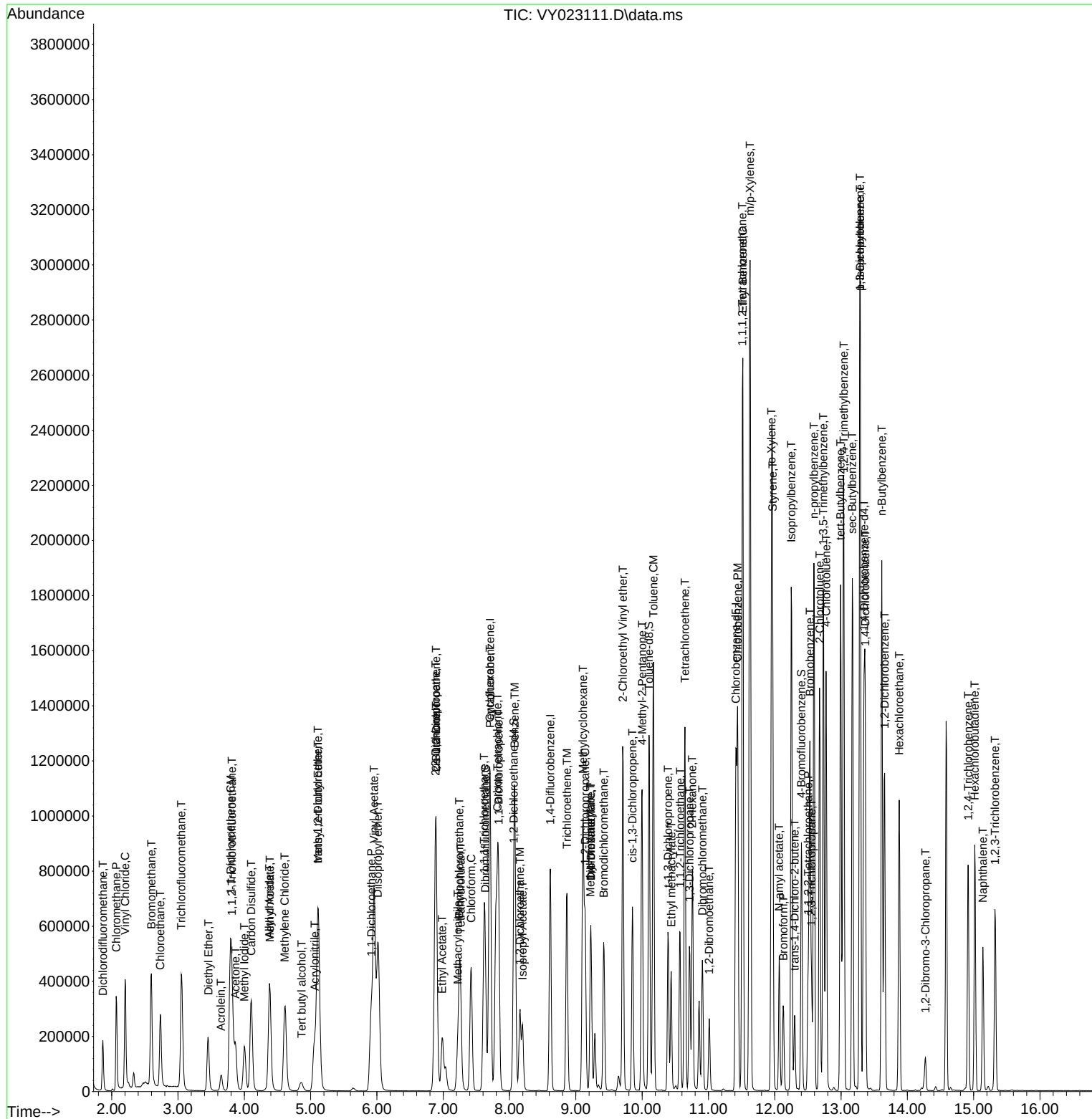
Response via : Initial Calibration

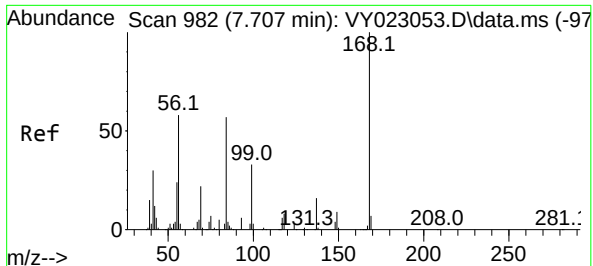
Manual Integrations

APPROVED

Reviewed By : Semsettin Yesilyurt 08/19/2025

Supervised By : Mahesh Dadoda 08/19/2025





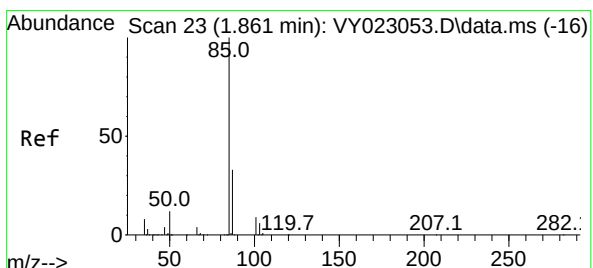
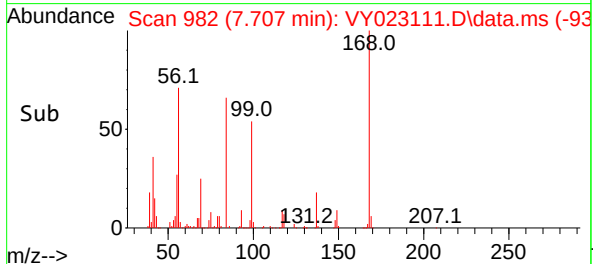
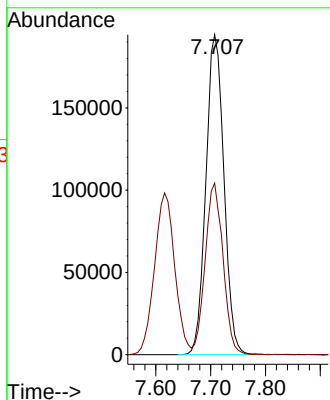
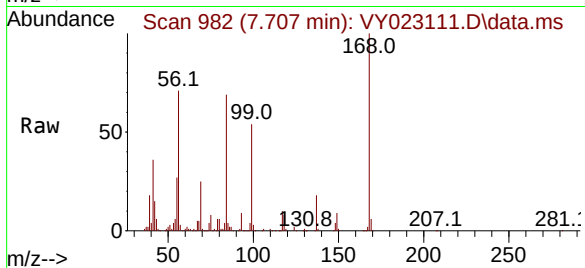
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY023111.D
Acq: 15 Aug 2025 08:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:168 Resp: 443799
Ion Ratio Lower Upper
168 100
99 53.5 42.8 64.2

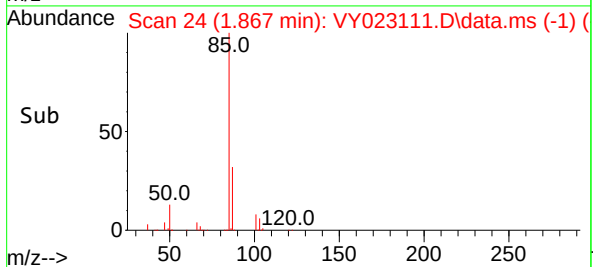
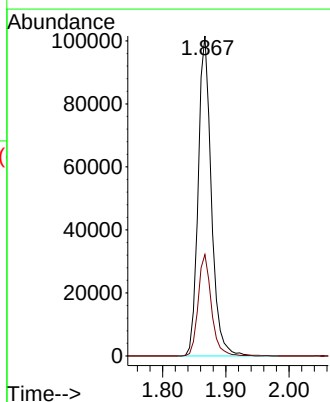
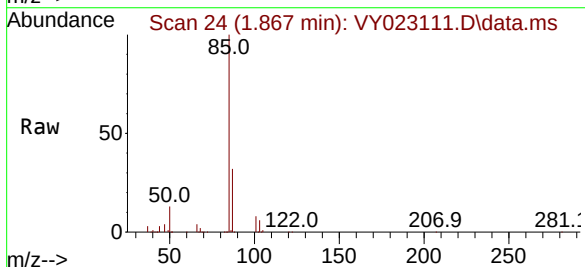
Manual Integrations
APPROVED

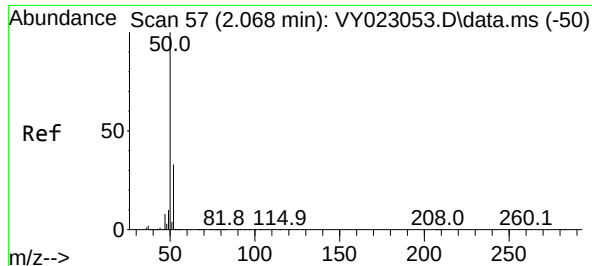
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025



#2
Dichlorodifluoromethane
Concen: 40.637 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.006 min
Lab File: VY023111.D
Acq: 15 Aug 2025 08:39

Tgt Ion: 85 Resp: 147210
Ion Ratio Lower Upper
85 100
87 31.7 16.6 49.8





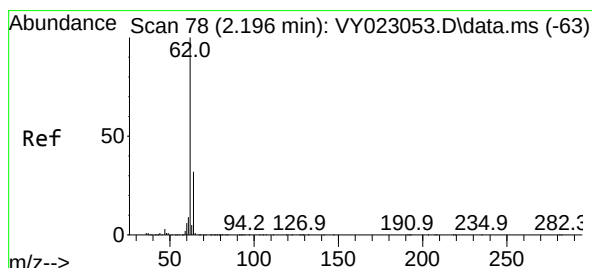
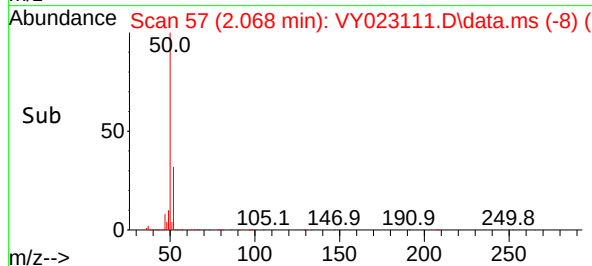
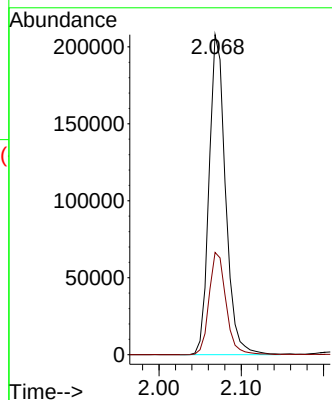
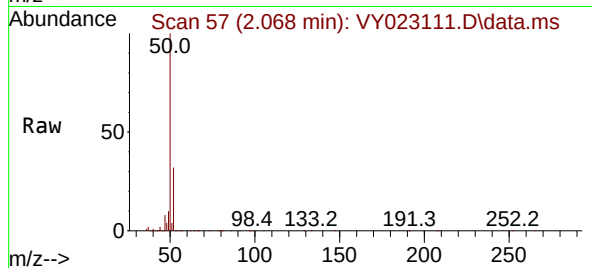
#3
Chloromethane
Concen: 49.235 ug/l
RT: 2.068 min Scan# 51
Delta R.T. 0.000 min
Lab File: VY023111.D
Acq: 15 Aug 2025 08:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 50 Resp: 288870
Ion Ratio Lower Upper
50 100
52 32.0 26.7 40.1

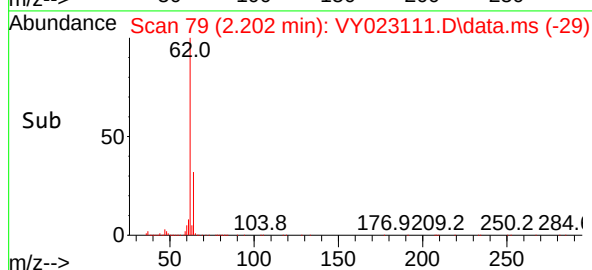
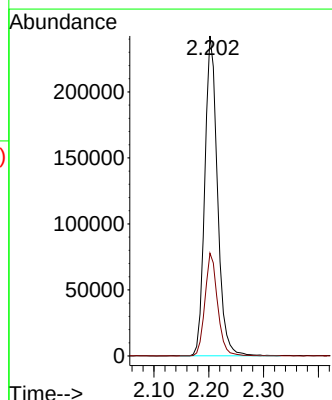
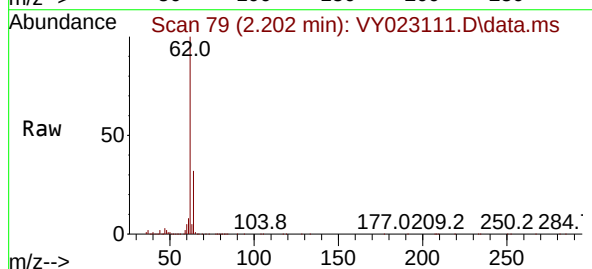
Manual Integrations
APPROVED

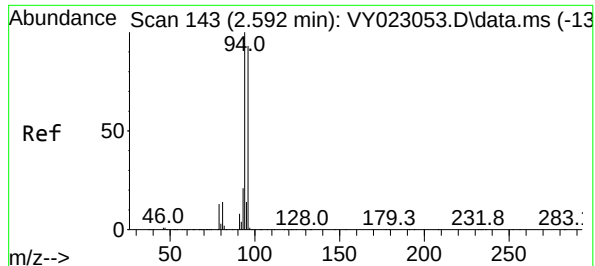
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025



#4
Vinyl Chloride
Concen: 53.584 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.006 min
Lab File: VY023111.D
Acq: 15 Aug 2025 08:39

Tgt Ion: 62 Resp: 388634
Ion Ratio Lower Upper
62 100
64 32.1 25.4 38.0





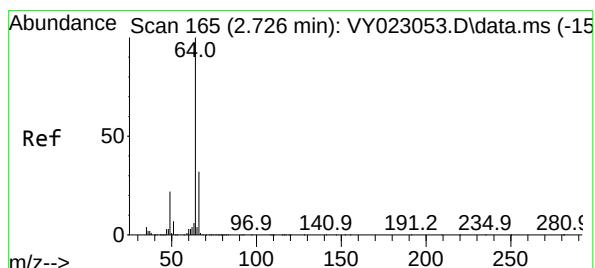
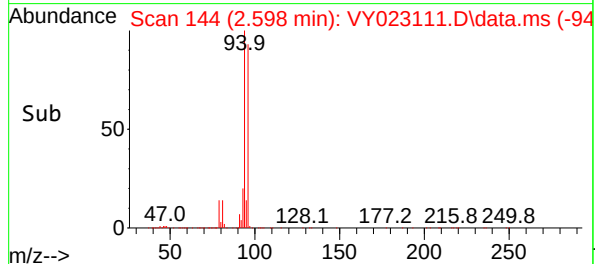
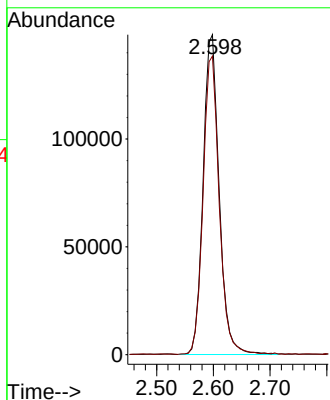
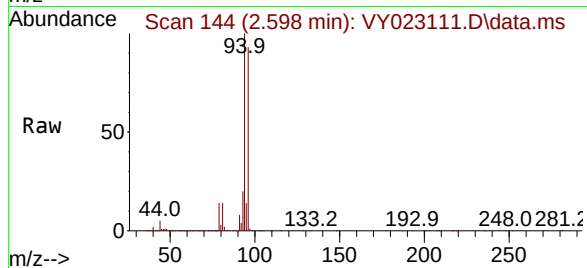
#5
Bromomethane
Concen: 53.970 ug/l
RT: 2.598 min Scan# 143
Delta R.T. 0.006 min
Lab File: VY023111.D
Acq: 15 Aug 2025 08:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 94 Resp: 292335
Ion Ratio Lower Upper
94 100
96 93.3 74.6 112.0

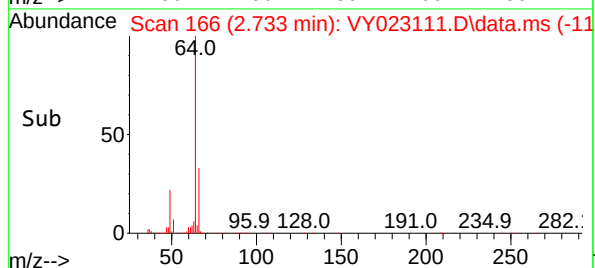
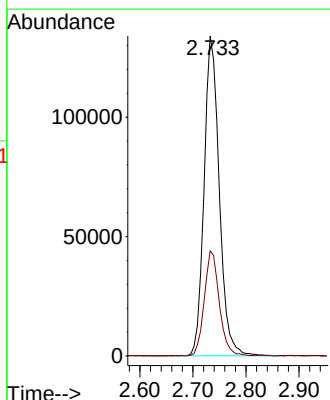
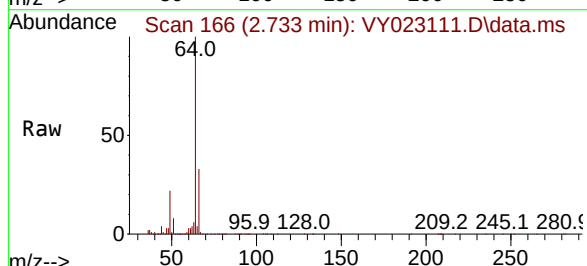
Manual Integrations
APPROVED

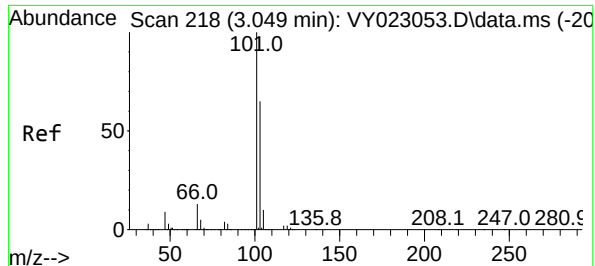
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025



#6
Chloroethane
Concen: 55.172 ug/l
RT: 2.733 min Scan# 166
Delta R.T. 0.006 min
Lab File: VY023111.D
Acq: 15 Aug 2025 08:39

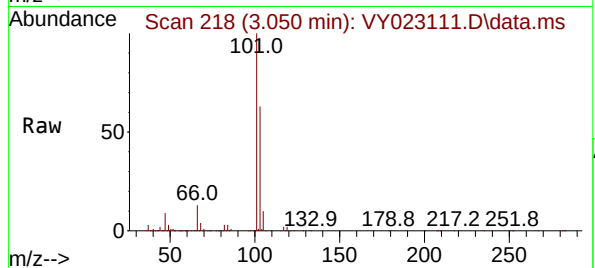
Tgt Ion: 64 Resp: 266036
Ion Ratio Lower Upper
64 100
66 32.8 25.8 38.6





#7
Trichlorofluoromethane
Concen: 49.413 ug/l
RT: 3.050 min Scan# 218
Delta R.T. 0.000 min
Lab File: VY023111.D
Acq: 15 Aug 2025 08:39

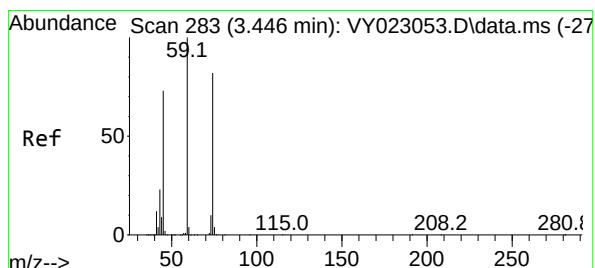
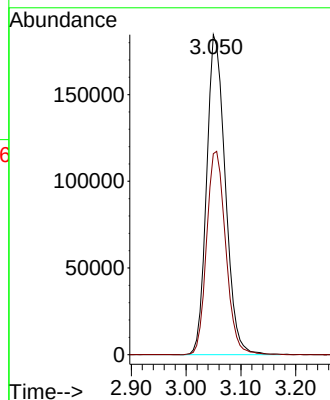
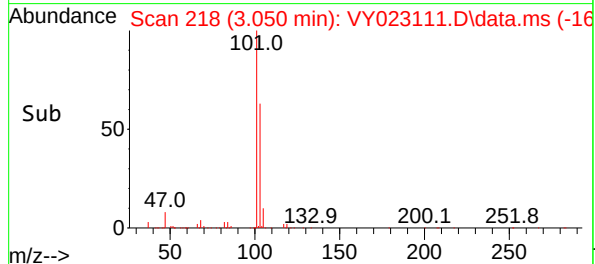
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



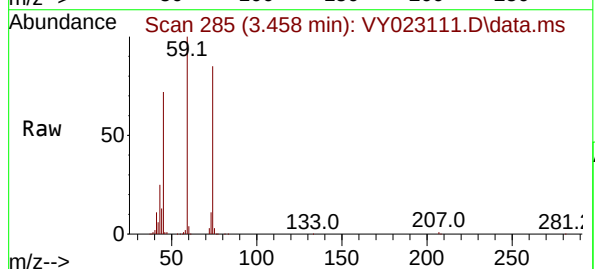
Tgt Ion:101 Resp: 43578
Ion Ratio Lower Upper
101 100
103 62.8 51.9 77.9

Manual Integrations
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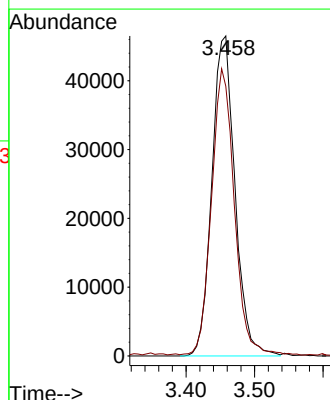
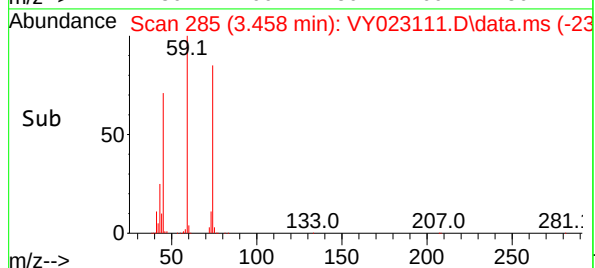
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025

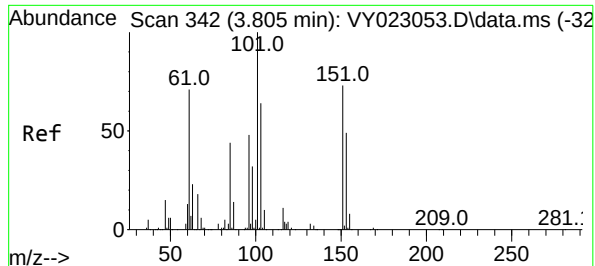


#8
Diethyl Ether
Concen: 46.730 ug/l
RT: 3.458 min Scan# 285
Delta R.T. 0.012 min
Lab File: VY023111.D
Acq: 15 Aug 2025 08:39



Tgt Ion: 74 Resp: 109033
Ion Ratio Lower Upper
74 100
45 88.3 44.4 133.2





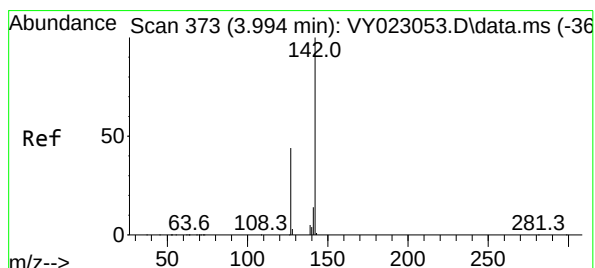
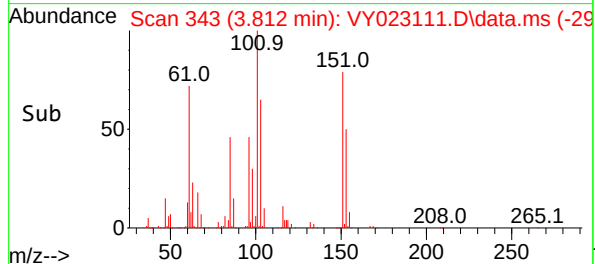
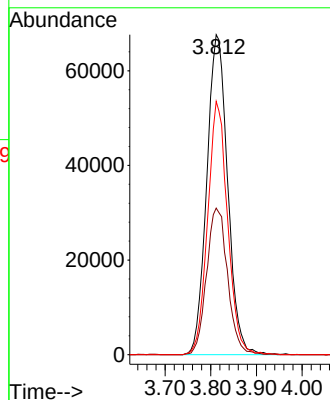
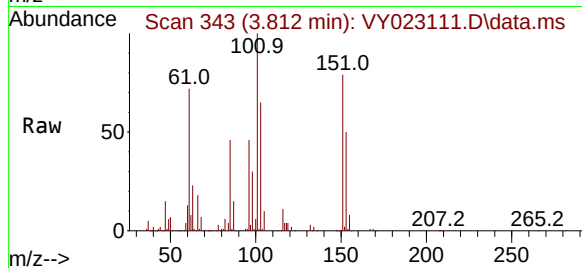
#9
1,1,2-Trichlorotrifluoroethane
Concen: 49.394 ug/l
RT: 3.812 min Scan# 342
Delta R.T. 0.006 min
Lab File: VY023111.D
Acq: 15 Aug 2025 08:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 214900
Ion Ratio Lower Upper
101 100
85 46.1 36.3 54.5
151 75.4 61.5 92.3

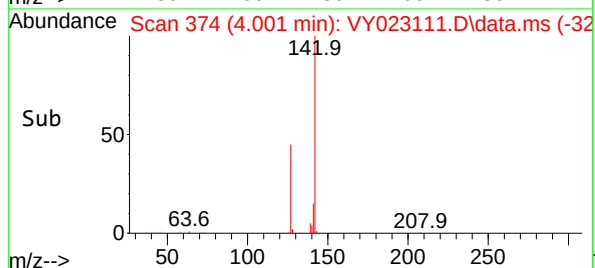
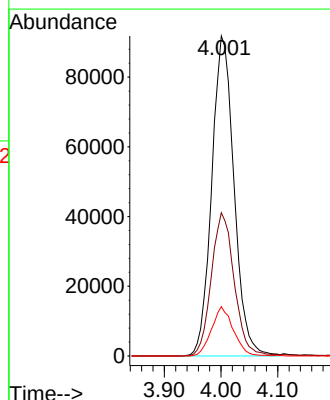
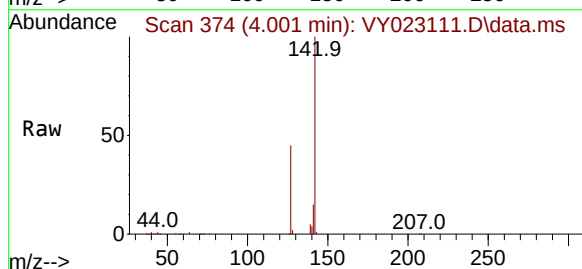
Manual Integrations
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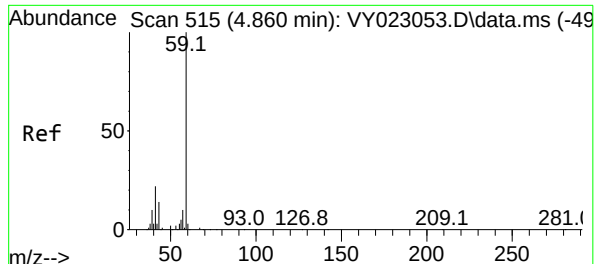
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025



#10
Methyl Iodide
Concen: 53.482 ug/l
RT: 4.001 min Scan# 374
Delta R.T. 0.006 min
Lab File: VY023111.D
Acq: 15 Aug 2025 08:39

Tgt Ion:142 Resp: 251096
Ion Ratio Lower Upper
142 100
127 46.2 34.9 52.3
141 15.0 11.3 16.9





#11

Tert butyl alcohol

Concen: 204.058 ug/l

RT: 4.866 min Scan# 515

Delta R.T. 0.006 min

Lab File: VY023111.D

Acq: 15 Aug 2025 08:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 59 Resp: 59139

Ion Ratio Lower Upper

59 100

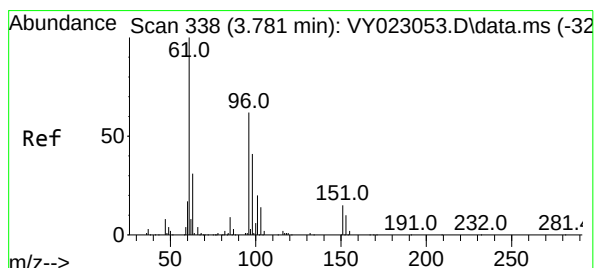
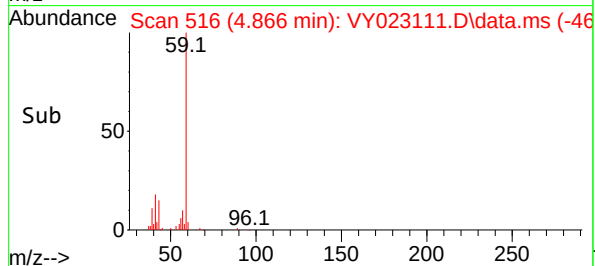
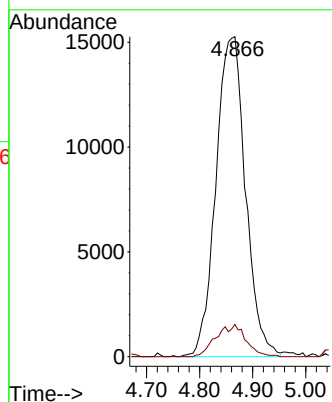
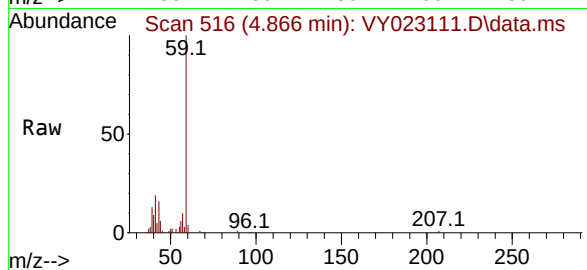
57 4.9 8.6 13.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/19/2025

Supervised By :Mahesh Dadoda 08/19/2025



#12

1,1-Dichloroethene

Concen: 48.899 ug/l

RT: 3.793 min Scan# 340

Delta R.T. 0.012 min

Lab File: VY023111.D

Acq: 15 Aug 2025 08:39

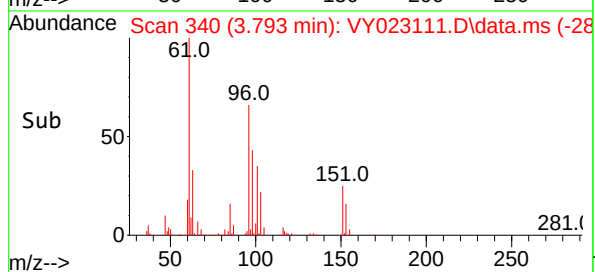
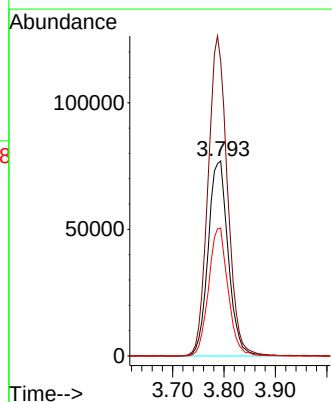
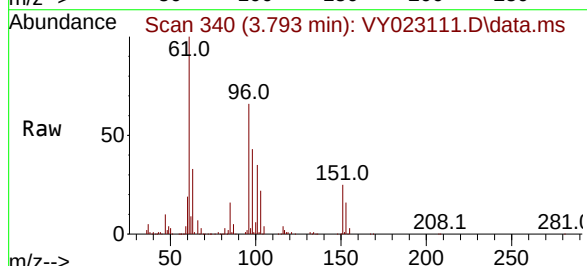
Tgt Ion: 96 Resp: 209124

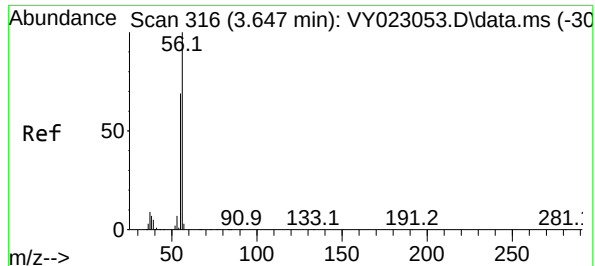
Ion Ratio Lower Upper

96 100

61 151.1 129.4 194.2

98 65.5 52.8 79.2





#13

Acrolein

Concen: 158.141 ug/l

RT: 3.647 min Scan# 316

Delta R.T. 0.000 min

Lab File: VY023111.D

Acq: 15 Aug 2025 08:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 56 Resp: 6712

Ion Ratio Lower Upper

56 100

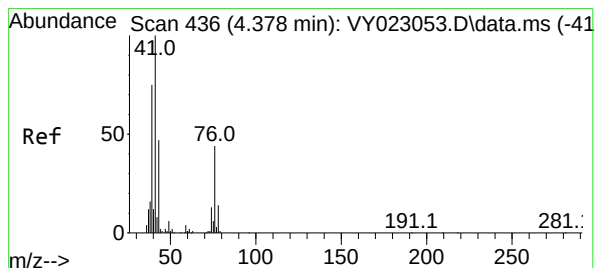
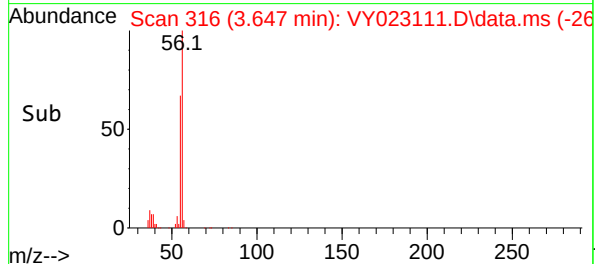
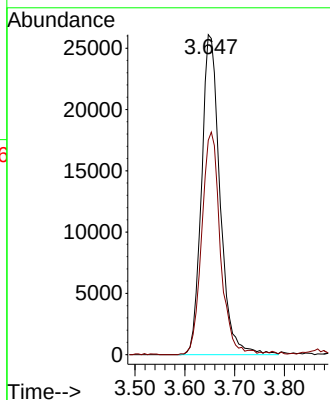
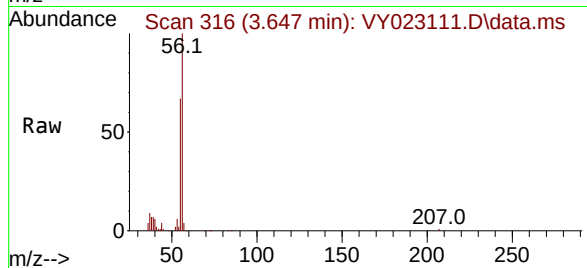
55 70.1 55.2 82.8

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 08/19/2025

Supervised By :Mahesh Dadoda 08/19/2025



#14

Allyl chloride

Concen: 48.583 ug/l

RT: 4.379 min Scan# 436

Delta R.T. 0.000 min

Lab File: VY023111.D

Acq: 15 Aug 2025 08:39

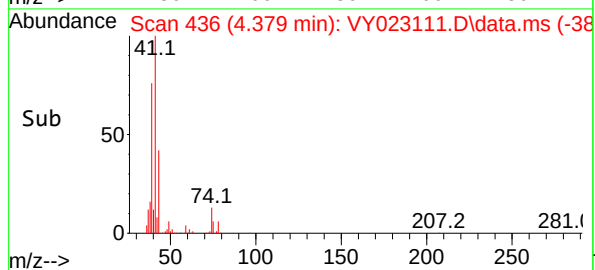
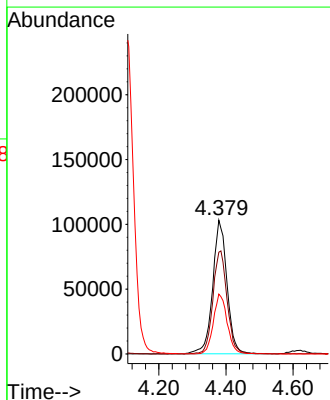
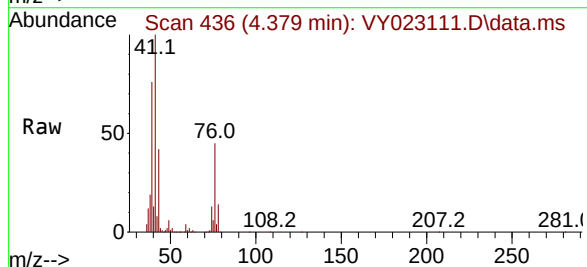
Tgt Ion: 41 Resp: 305726

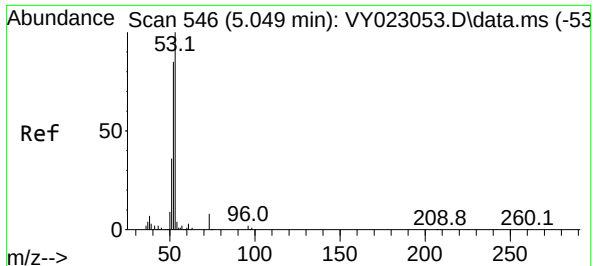
Ion Ratio Lower Upper

41 100

39 76.2 59.8 89.6

76 43.2 33.7 50.5





#15

Acrylonitrile

Concen: 238.524 ug/l

RT: 5.061 min Scan# 546

Delta R.T. 0.012 min

Lab File: VY023111.D

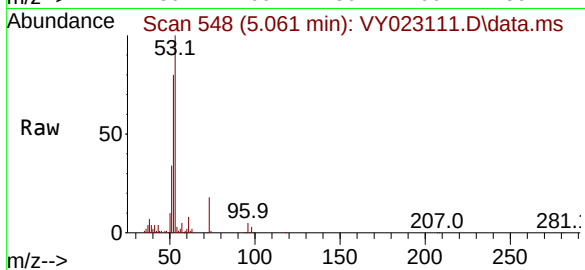
Acq: 15 Aug 2025 08:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

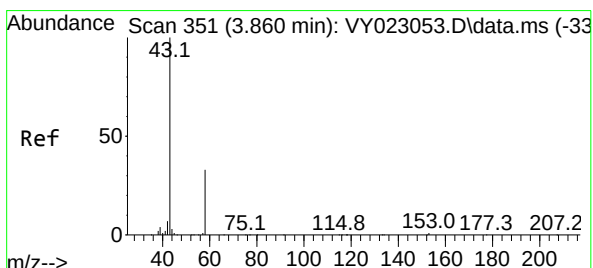
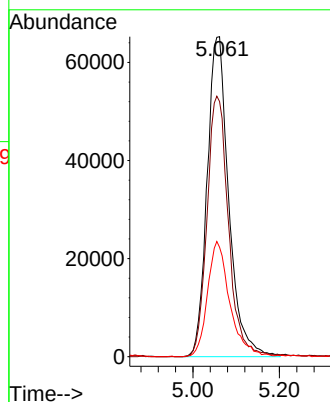
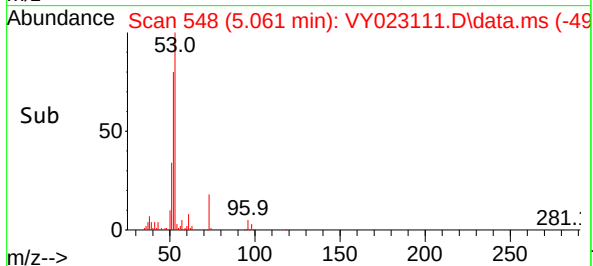


Tgt Ion:	53	Resp:	22625
Ion	Ratio	Lower	Upper
53	100		
52	80.6	65.3	97.9
51	37.1	29.5	44.3

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025



#16

Acetone

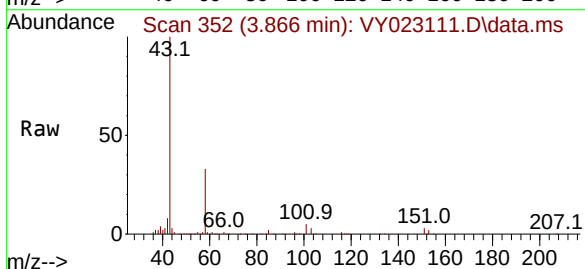
Concen: 280.645 ug/l

RT: 3.866 min Scan# 352

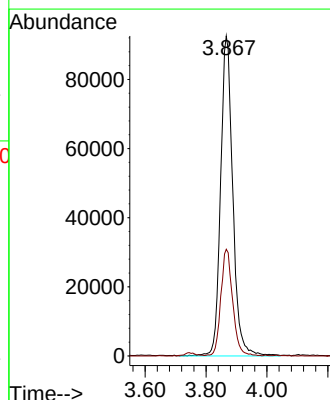
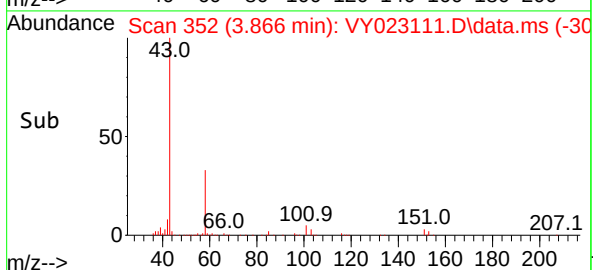
Delta R.T. 0.006 min

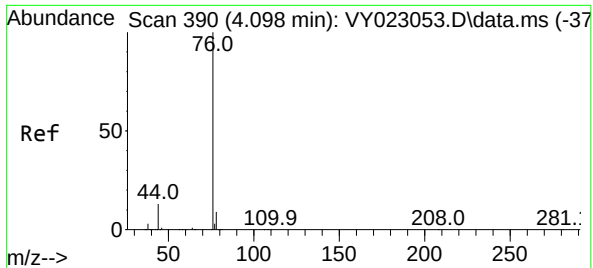
Lab File: VY023111.D

Acq: 15 Aug 2025 08:39



Tgt Ion:	43	Resp:	257167
Ion	Ratio	Lower	Upper
43	100		
58	33.3	27.1	40.7





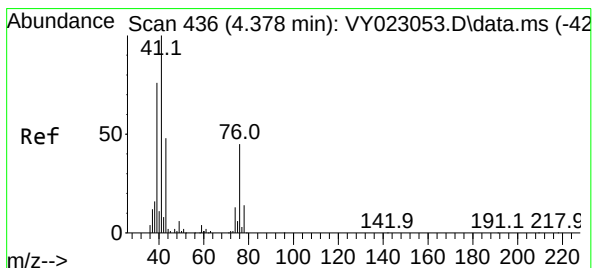
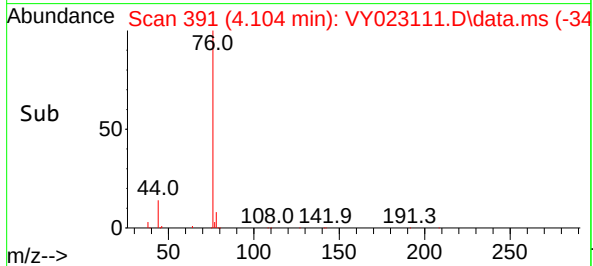
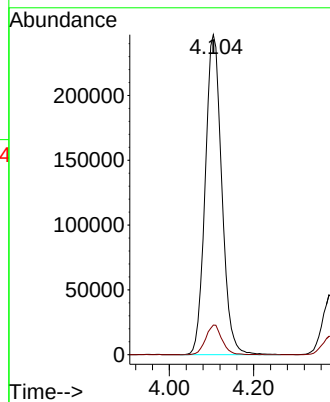
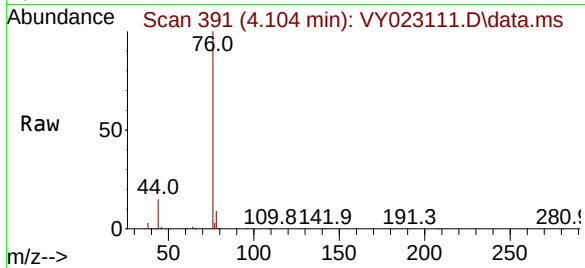
#17
Carbon Disulfide
Concen: 48.375 ug/l
RT: 4.104 min Scan# 391
Delta R.T. 0.006 min
Lab File: VY023111.D
Acq: 15 Aug 2025 08:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 67456
Ion Ratio Lower Upper
76 100
78 9.2 7.4 11.2

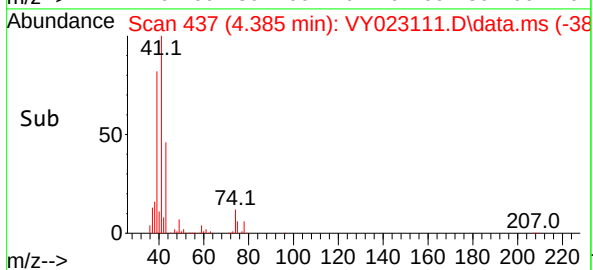
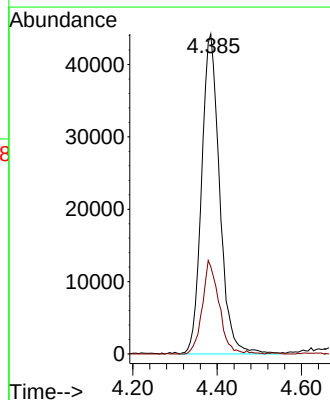
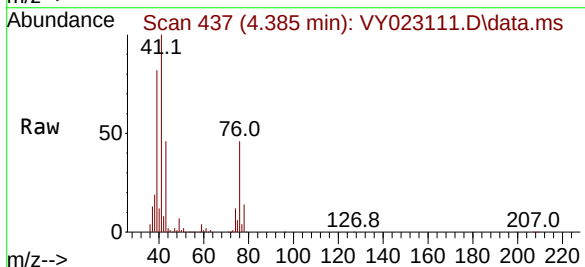
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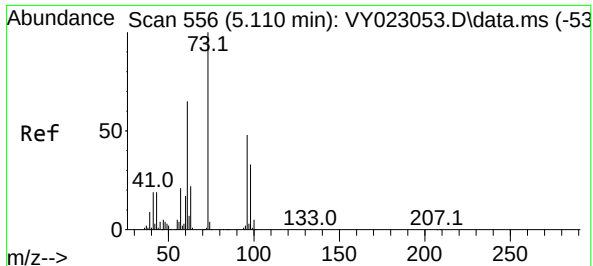
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025



#18
Methyl Acetate
Concen: 48.336 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.006 min
Lab File: VY023111.D
Acq: 15 Aug 2025 08:39

Tgt Ion: 43 Resp: 131808
Ion Ratio Lower Upper
43 100
74 26.9 21.2 31.8





#19

Methyl tert-butyl Ether

Concen: 48.411 ug/l

RT: 5.110 min Scan# 51

Delta R.T. 0.000 min

Lab File: VY023111.D

Acq: 15 Aug 2025 08:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 73 Resp: 53648

Ion Ratio Lower Upper

73 100

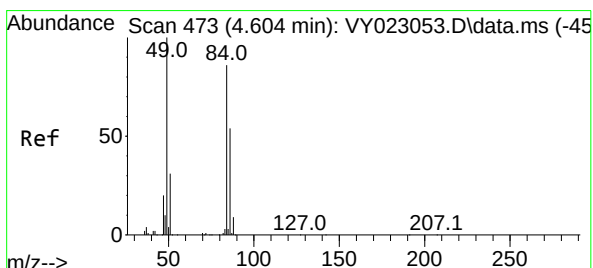
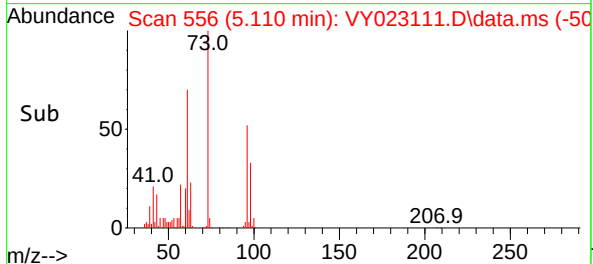
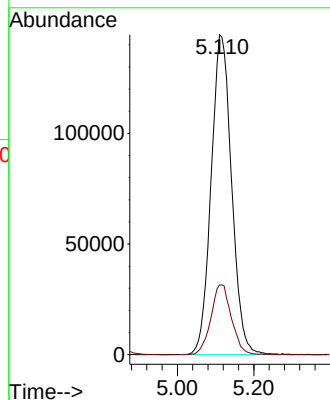
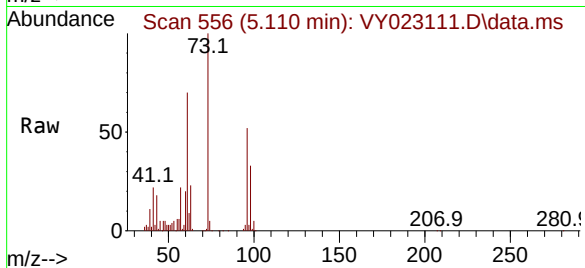
57 21.8 17.1 25.7

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 08/19/2025

Supervised By :Mahesh Dadoda 08/19/2025



#20

Methylene Chloride

Concen: 50.654 ug/l

RT: 4.610 min Scan# 474

Delta R.T. 0.006 min

Lab File: VY023111.D

Acq: 15 Aug 2025 08:39

Tgt Ion: 84 Resp: 241025

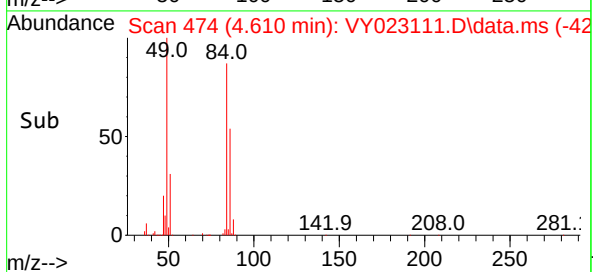
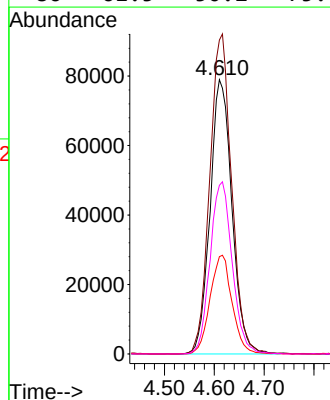
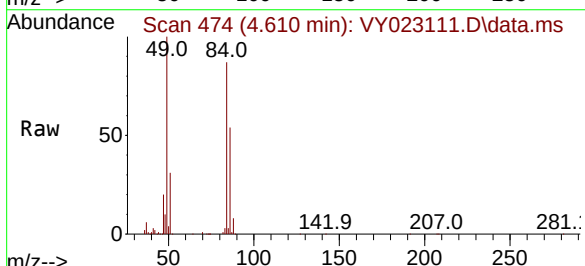
Ion Ratio Lower Upper

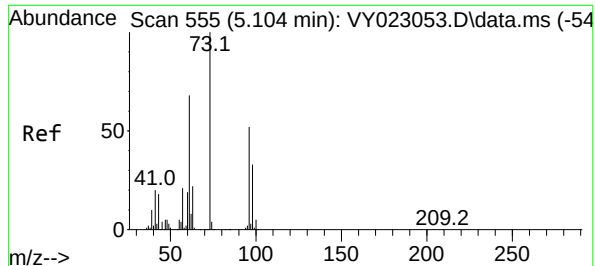
84 100

49 114.5 93.0 139.6

51 35.4 29.0 43.4

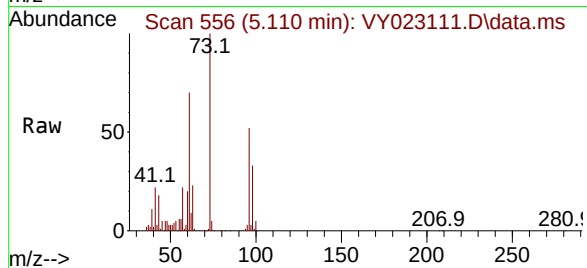
86 61.5 50.2 75.4





#21
trans-1,2-Dichloroethene
Concen: 50.676 ug/l
RT: 5.110 min Scan# 51
Delta R.T. 0.006 min
Lab File: VY023111.D
Acq: 15 Aug 2025 08:39

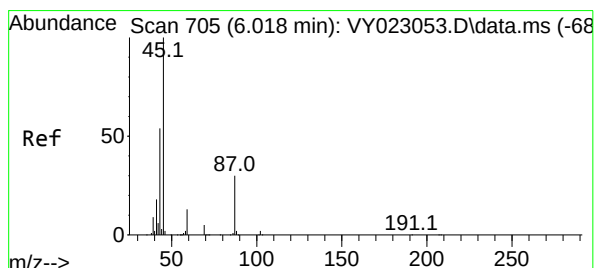
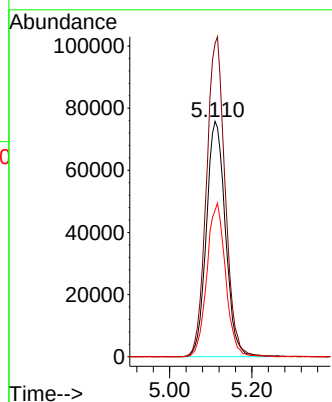
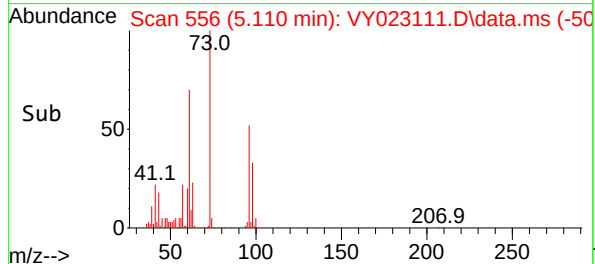
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



Tgt Ion: 96 Resp: 243549
Ion Ratio Lower Upper
96 100
61 133.1 104.8 157.2
98 62.2 50.1 75.1

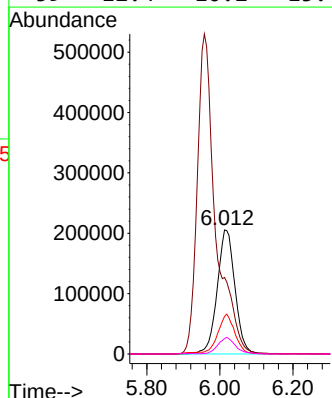
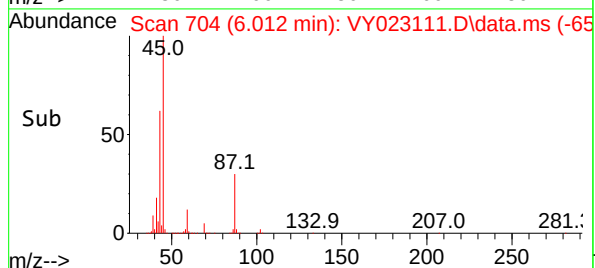
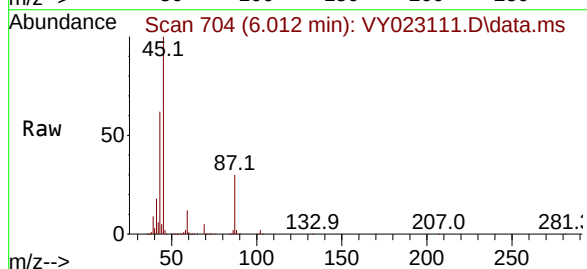
Manual Integrations
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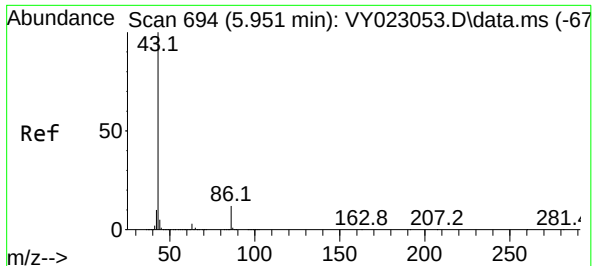
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025



#22
Diisopropyl ether
Concen: 50.954 ug/l
RT: 6.012 min Scan# 704
Delta R.T. -0.006 min
Lab File: VY023111.D
Acq: 15 Aug 2025 08:39

Tgt Ion: 45 Resp: 696767
Ion Ratio Lower Upper
45 100
43 61.4 43.4 65.0
87 30.2 24.4 36.6
59 12.4 10.2 15.4





#23

Vinyl Acetate

Concen: 245.935 ug/l

RT: 5.958 min Scan# 694

Delta R.T. 0.006 min

Lab File: VY023111.D

Acq: 15 Aug 2025 08:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDC050

Tgt Ion: 43 Resp: 185956

Ion Ratio Lower Upper

43 100

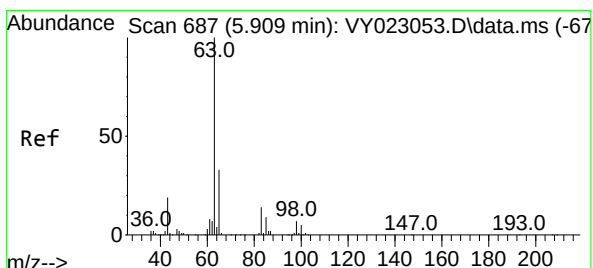
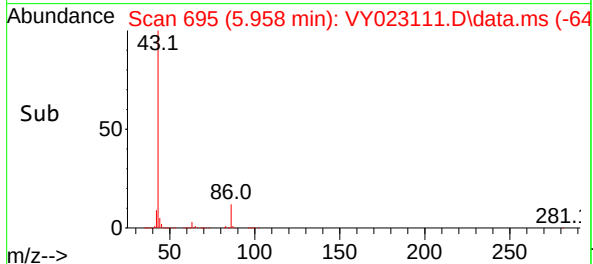
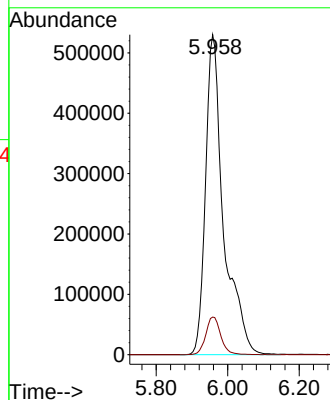
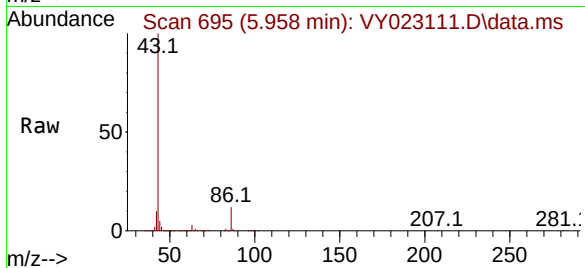
86 11.7 9.6 14.4

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 08/19/2025

Supervised By :Mahesh Dadoda 08/19/2025



#24

1,1-Dichloroethane

Concen: 51.394 ug/l

RT: 5.915 min Scan# 688

Delta R.T. 0.006 min

Lab File: VY023111.D

Acq: 15 Aug 2025 08:39

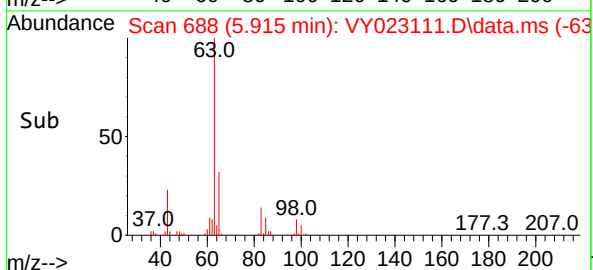
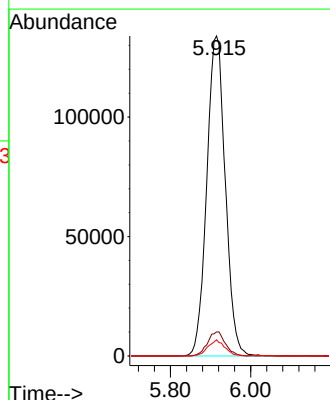
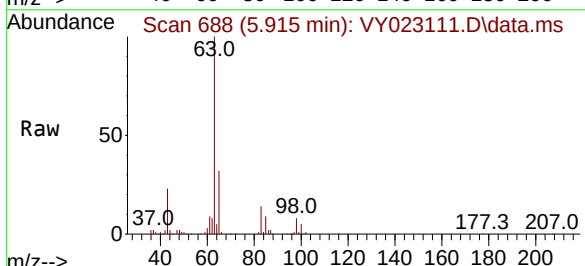
Tgt Ion: 63 Resp: 429668

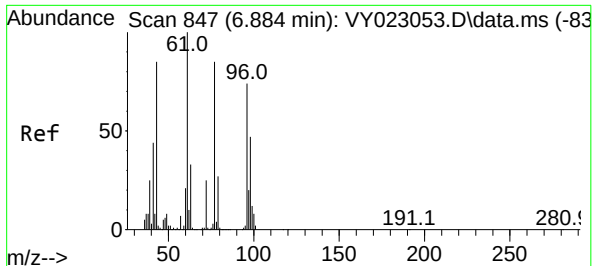
Ion Ratio Lower Upper

63 100

98 7.5 3.5 10.6

100 5.1 2.4 7.1





#25

2-Butanone

Concen: 253.961 ug/l

RT: 6.890 min Scan# 84

Delta R.T. 0.006 min

Lab File: VY023111.D

Acq: 15 Aug 2025 08:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 31650

Ion Ratio Lower Upper

43 100

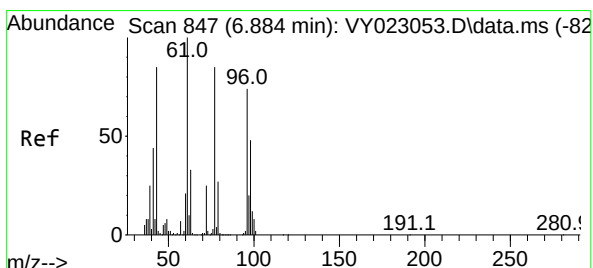
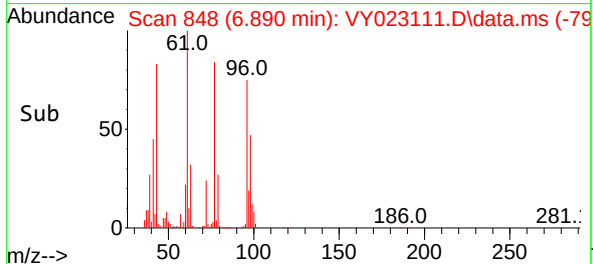
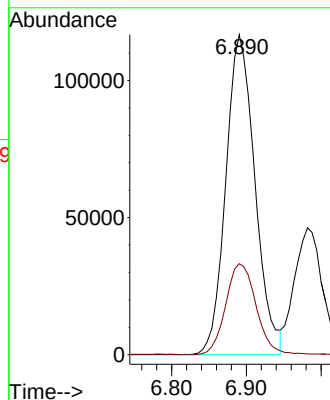
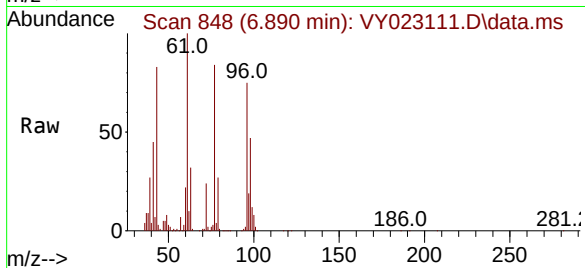
72 28.4 23.5 35.3

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 08/19/2025

Supervised By :Mahesh Dadoda 08/19/2025



#26

2,2-Dichloropropane

Concen: 52.538 ug/l

RT: 6.884 min Scan# 847

Delta R.T. 0.000 min

Lab File: VY023111.D

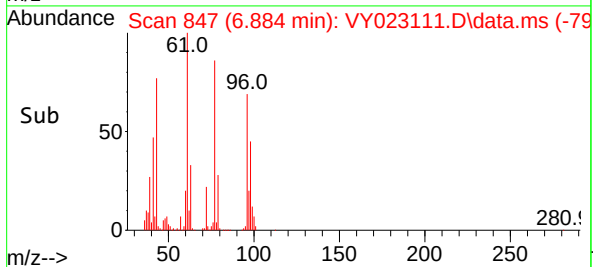
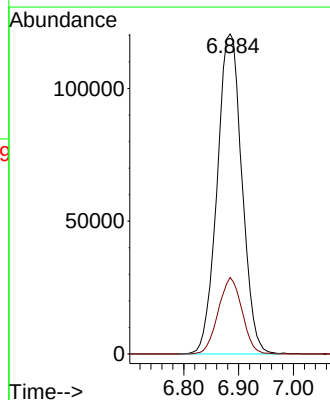
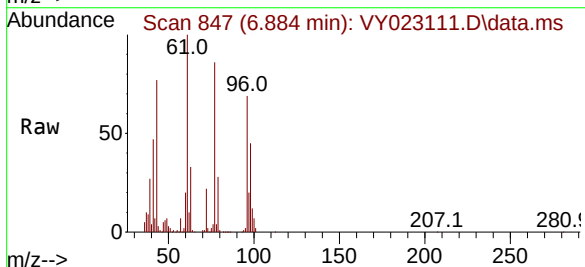
Acq: 15 Aug 2025 08:39

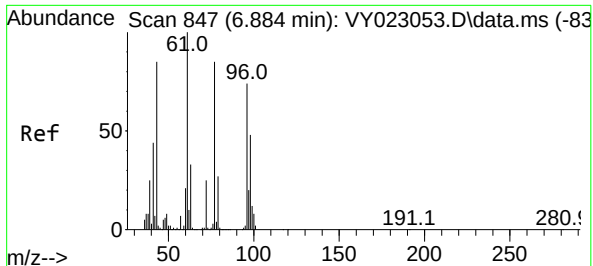
Tgt Ion: 77 Resp: 379004

Ion Ratio Lower Upper

77 100

97 22.9 11.6 34.8





#27

cis-1,2-Dichloroethene

Concen: 51.356 ug/l

RT: 6.890 min Scan# 847

Delta R.T. 0.006 min

Lab File: VY023111.D

Acq: 15 Aug 2025 08:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 96 Resp: 285339

Ion Ratio Lower Upper

96 100

61 139.9 0.0 278.6

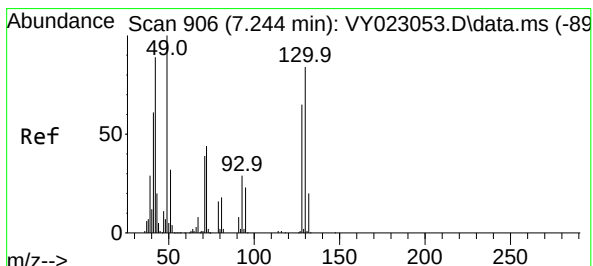
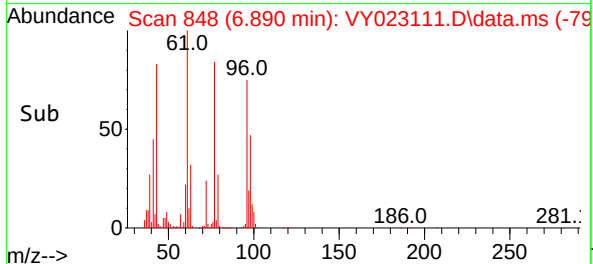
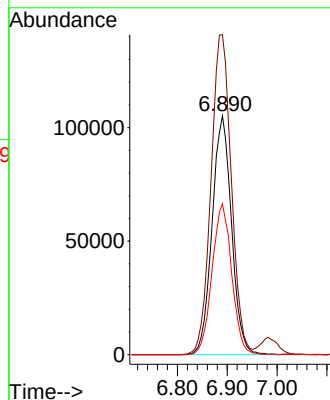
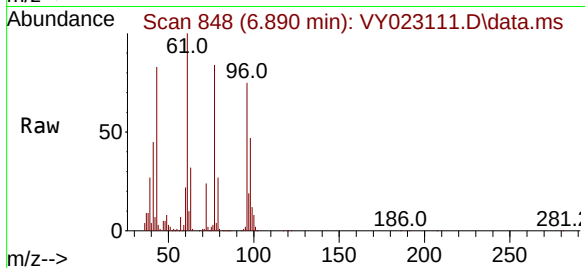
98 63.8 0.0 130.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/19/2025

Supervised By :Mahesh Dadoda 08/19/2025



#28

Bromochloromethane

Concen: 52.898 ug/l

RT: 7.244 min Scan# 906

Delta R.T. 0.000 min

Lab File: VY023111.D

Acq: 15 Aug 2025 08:39

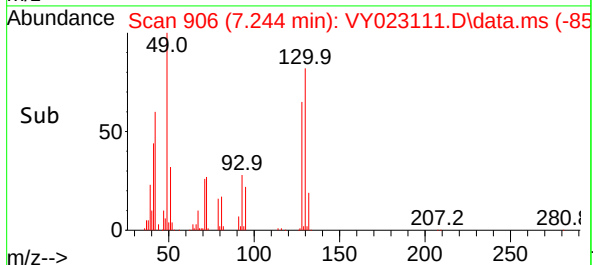
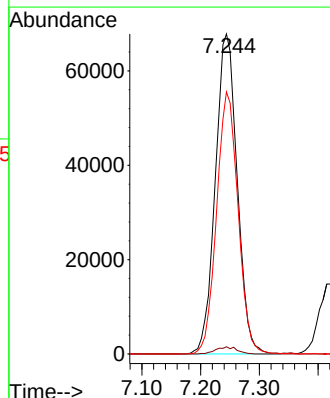
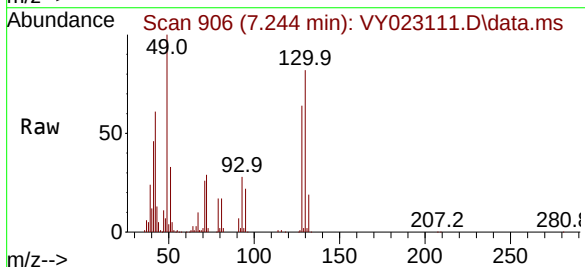
Tgt Ion: 49 Resp: 175456

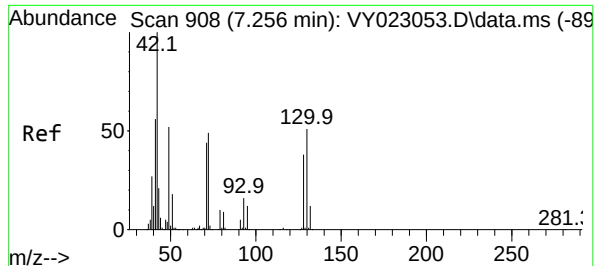
Ion Ratio Lower Upper

49 100

129 2.1 0.0 4.2

130 80.4 66.4 99.6





#29

Tetrahydrofuran

Concen: 237.044 ug/l

RT: 7.262 min Scan# 908

Delta R.T. 0.006 min

Lab File: VY023111.D

Acq: 15 Aug 2025 08:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 42 Resp: 183118

Ion Ratio Lower Upper

42 100

72 47.4 39.4 59.2

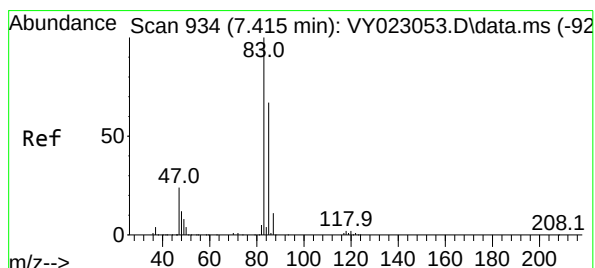
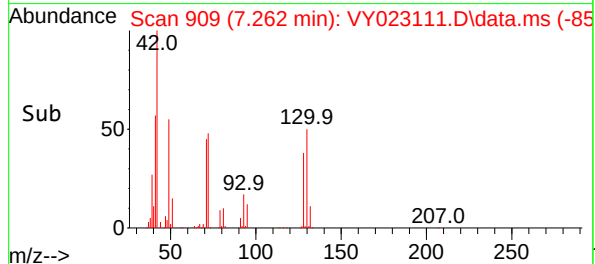
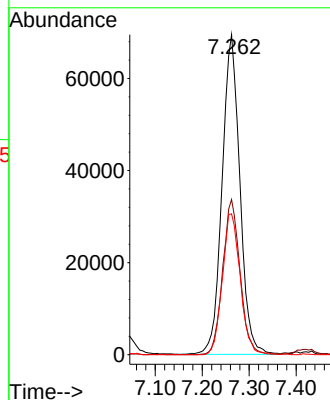
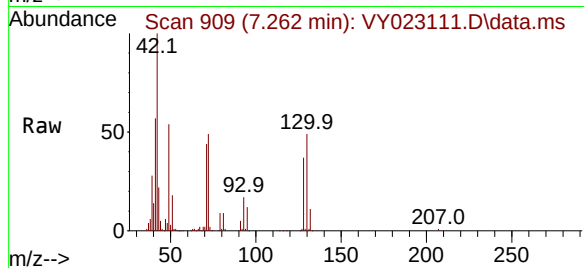
71 44.2 36.5 54.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/19/2025

Supervised By :Mahesh Dadoda 08/19/2025



#30

Chloroform

Concen: 52.336 ug/l

RT: 7.421 min Scan# 935

Delta R.T. 0.006 min

Lab File: VY023111.D

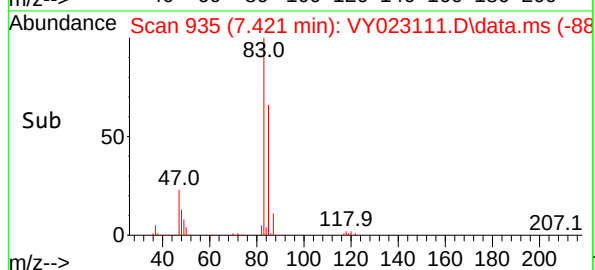
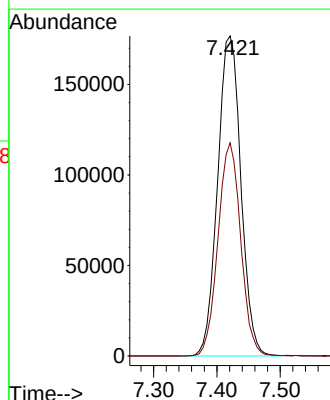
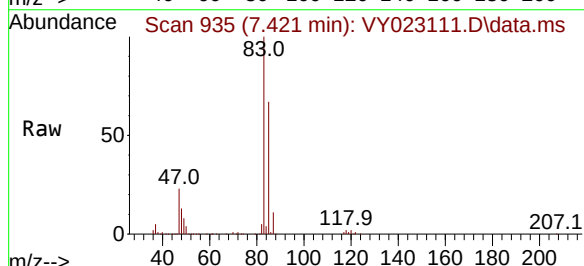
Acq: 15 Aug 2025 08:39

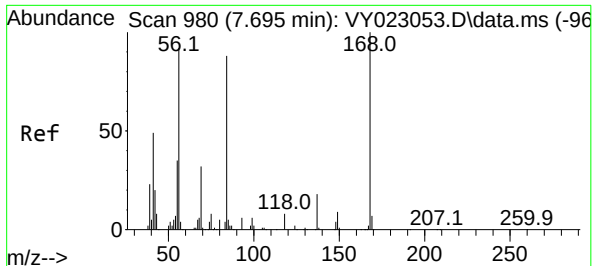
Tgt Ion: 83 Resp: 451255

Ion Ratio Lower Upper

83 100

85 66.6 53.8 80.8





#31

Cyclohexane

Concen: 47.613 ug/l

RT: 7.701 min Scan# 980

Delta R.T. 0.006 min

Lab File: VY023111.D

Acq: 15 Aug 2025 08:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 56 Resp: 375108

Ion Ratio Lower Upper

56 100

69 34.8 28.2 42.2

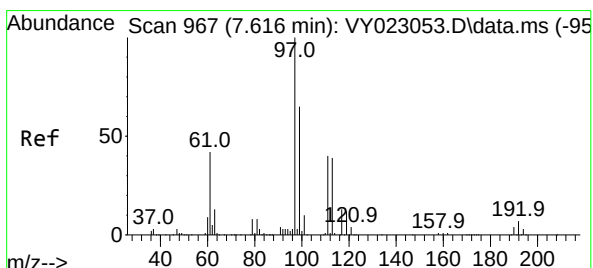
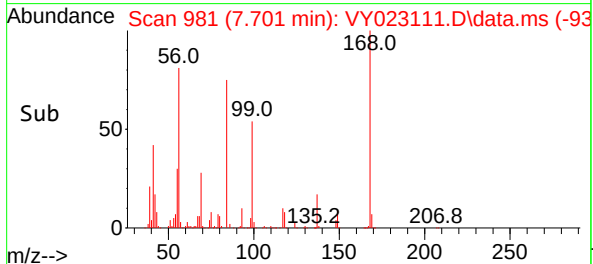
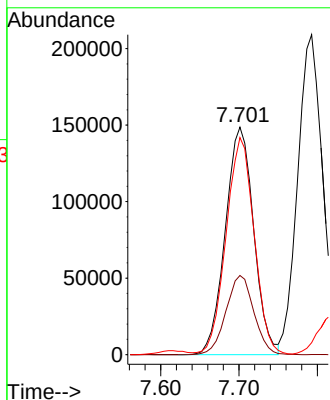
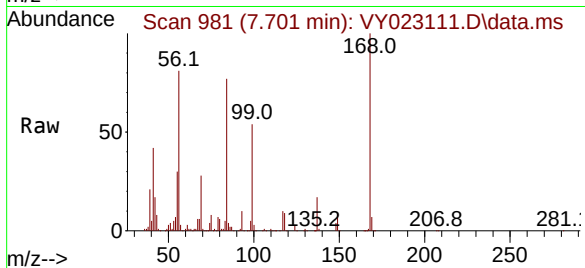
84 94.0 76.6 114.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/19/2025

Supervised By :Mahesh Dadoda 08/19/2025



#32

1,1,1-Trichloroethane

Concen: 51.507 ug/l

RT: 7.616 min Scan# 967

Delta R.T. 0.000 min

Lab File: VY023111.D

Acq: 15 Aug 2025 08:39

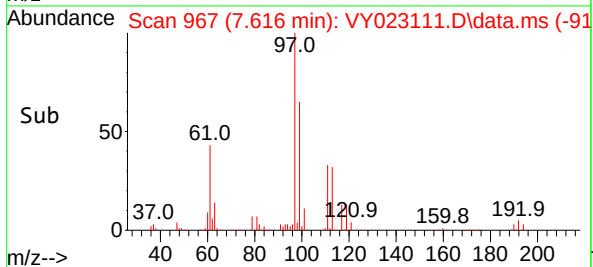
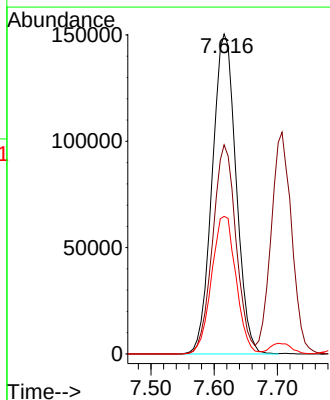
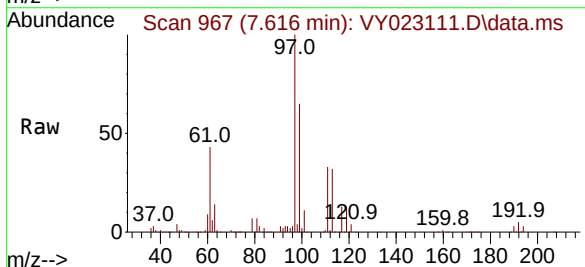
Tgt Ion: 97 Resp: 394056

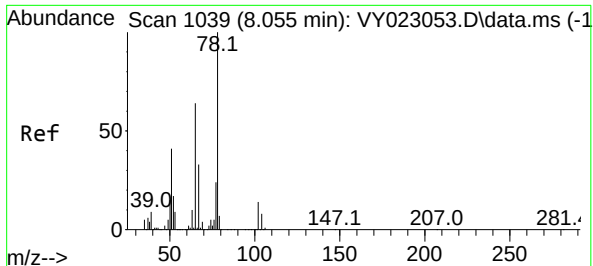
Ion Ratio Lower Upper

97 100

99 64.2 51.6 77.4

61 44.1 34.2 51.2





#33

1,2-Dichloroethane-d4

Concen: 50.349 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. 0.006 min

Lab File: VY023111.D

Acq: 15 Aug 2025 08:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 65 Resp: 212960

Ion Ratio Lower Upper

65 100

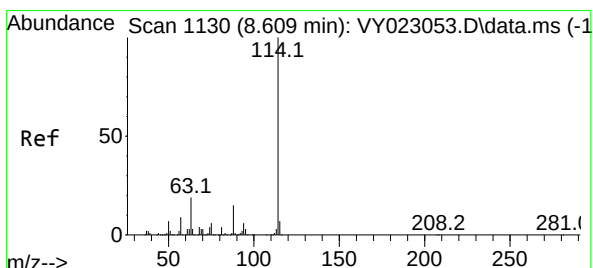
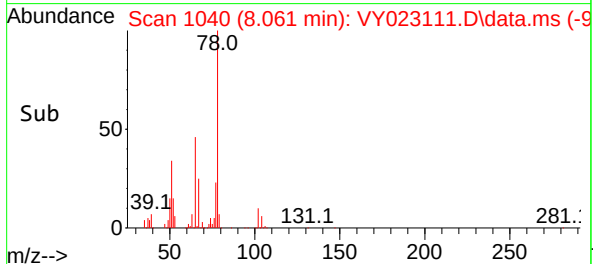
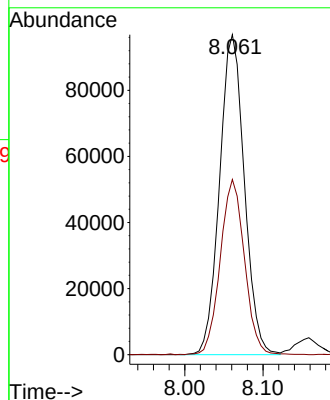
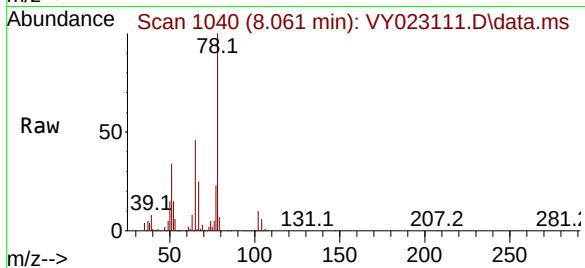
67 53.4 0.0 106.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/19/2025

Supervised By :Mahesh Dadoda 08/19/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.006 min

Lab File: VY023111.D

Acq: 15 Aug 2025 08:39

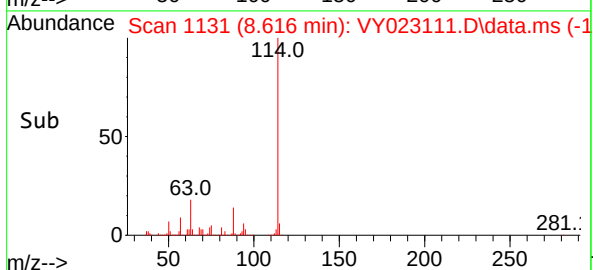
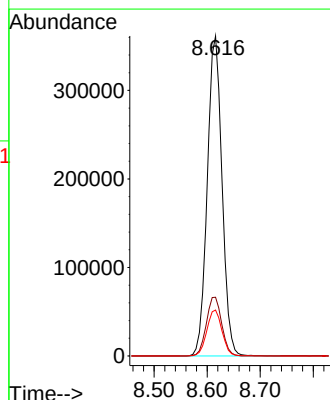
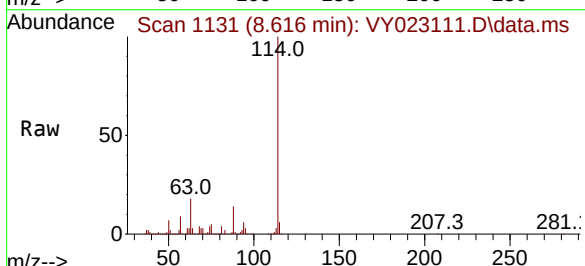
Tgt Ion:114 Resp: 696916

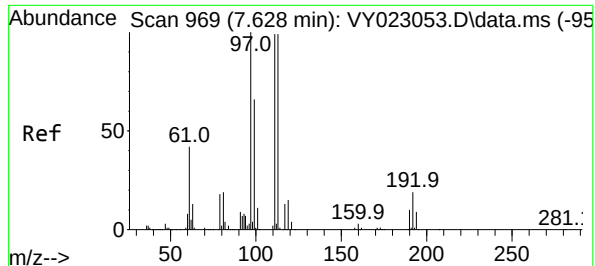
Ion Ratio Lower Upper

114 100

63 18.3 0.0 38.4

88 14.4 0.0 30.0





#35

Dibromofluoromethane

Concen: 51.722 ug/l

RT: 7.634 min Scan# 91

Delta R.T. 0.006 min

Lab File: VY023111.D

Acq: 15 Aug 2025 08:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion:113 Resp: 21568

Ion Ratio Lower Upper

113 100

111 101.7 81.1 121.7

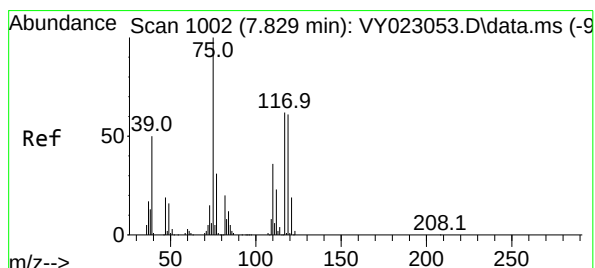
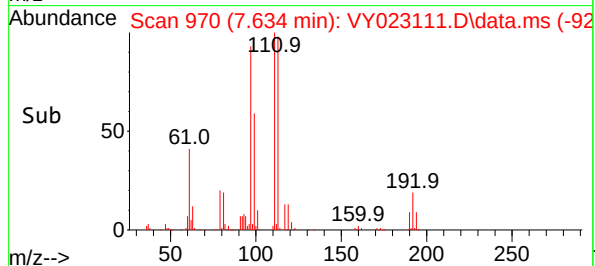
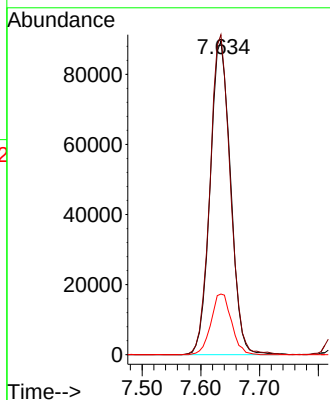
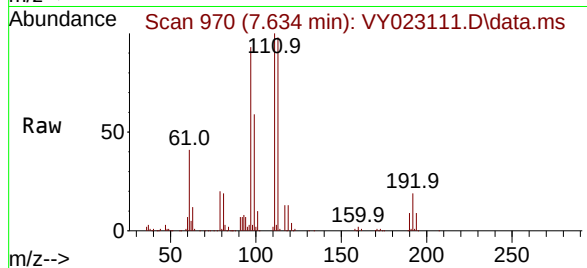
192 19.4 16.2 24.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/19/2025

Supervised By :Mahesh Dadoda 08/19/2025



#36

1,1-Dichloropropene

Concen: 51.245 ug/l

RT: 7.835 min Scan# 1003

Delta R.T. 0.006 min

Lab File: VY023111.D

Acq: 15 Aug 2025 08:39

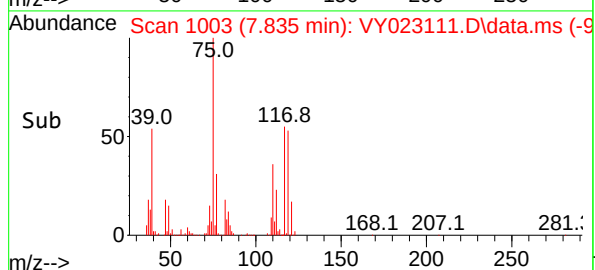
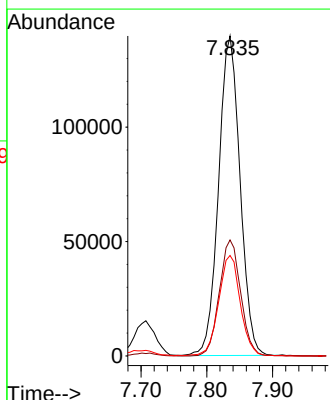
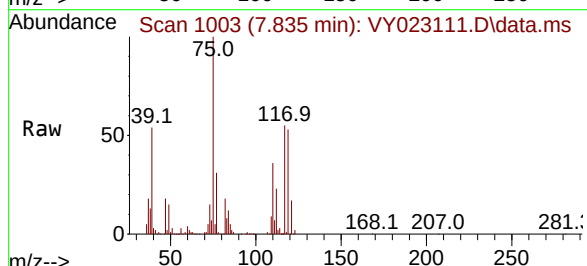
Tgt Ion: 75 Resp: 317586

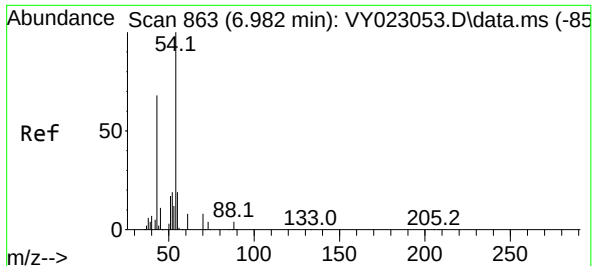
Ion Ratio Lower Upper

75 100

110 36.0 18.1 54.4

77 31.8 24.6 37.0





#37

Ethyl Acetate

Concen: 48.201 ug/l

RT: 6.982 min Scan# 80

Delta R.T. 0.000 min

Lab File: VY023111.D

Acq: 15 Aug 2025 08:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 12548

Ion Ratio Lower Upper

43 100

61 14.8 11.9 17.9

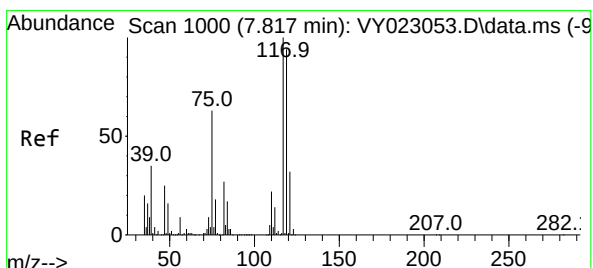
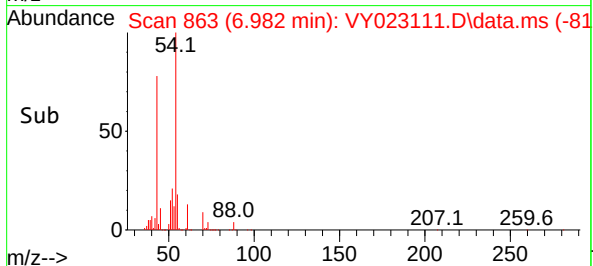
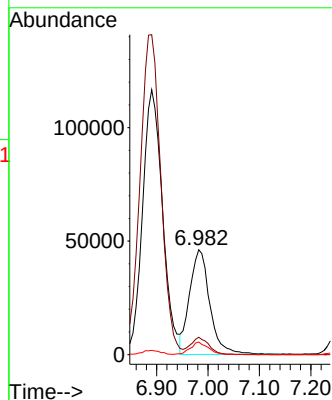
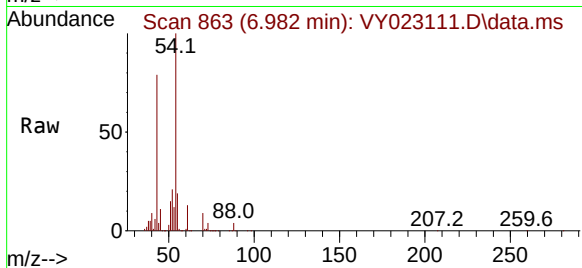
70 10.8 8.8 13.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/19/2025

Supervised By :Mahesh Dadoda 08/19/2025



#38

Carbon Tetrachloride

Concen: 52.395 ug/l

RT: 7.817 min Scan# 1000

Delta R.T. 0.000 min

Lab File: VY023111.D

Acq: 15 Aug 2025 08:39

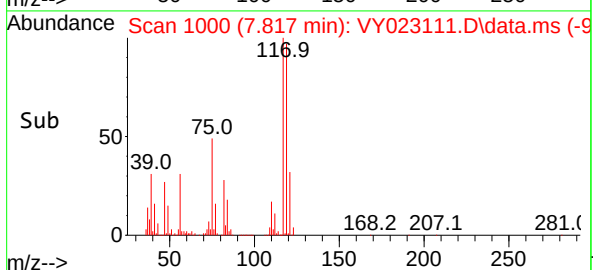
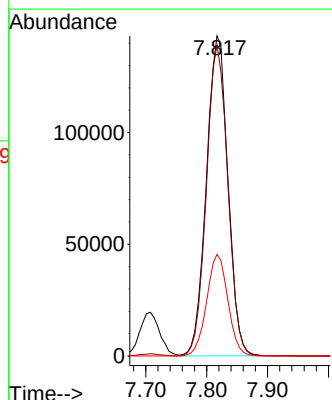
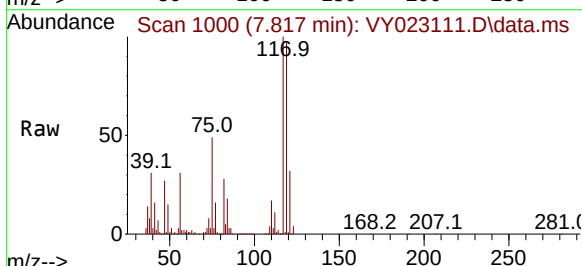
Tgt Ion:117 Resp: 352681

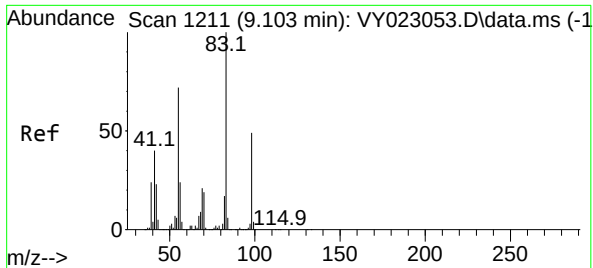
Ion Ratio Lower Upper

117 100

119 97.2 75.6 113.4

121 31.7 25.8 38.8





#39

Methylcyclohexane

Concen: 49.756 ug/l

RT: 9.109 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023111.D

Acq: 15 Aug 2025 08:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 83 Resp: 40606

Ion Ratio Lower Upper

83 100

55 67.7 57.6 86.4

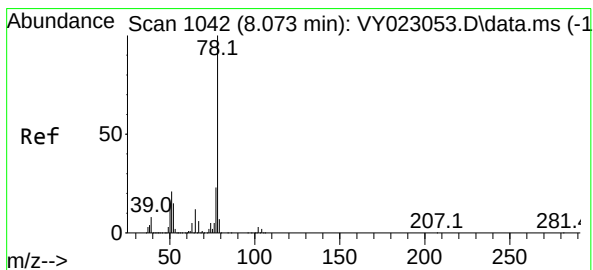
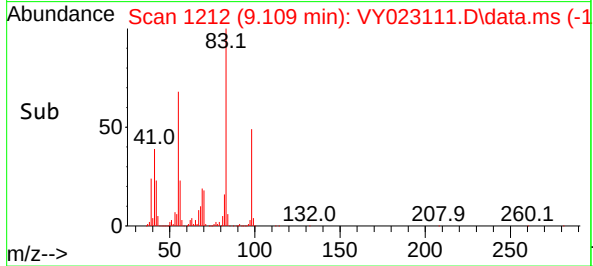
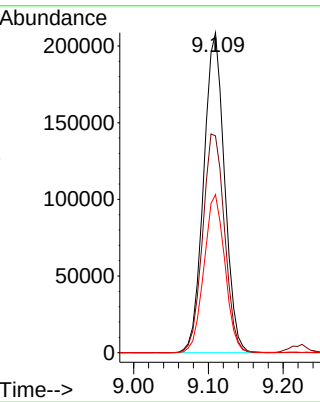
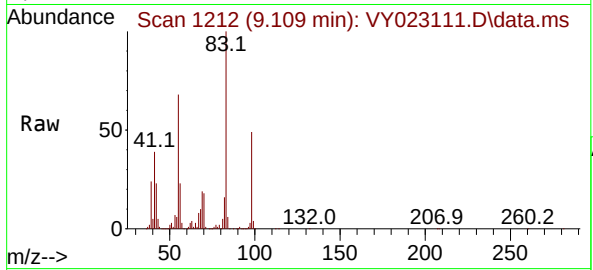
98 49.4 39.2 58.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/19/2025

Supervised By :Mahesh Dadoda 08/19/2025



#40

Benzene

Concen: 53.099 ug/l

RT: 8.079 min Scan# 1043

Delta R.T. 0.006 min

Lab File: VY023111.D

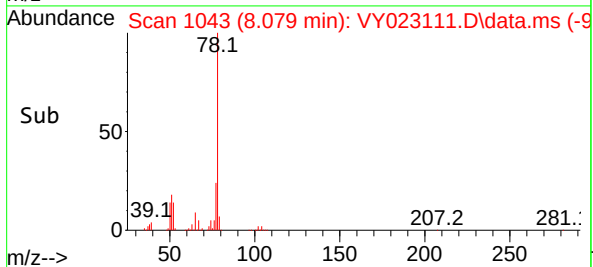
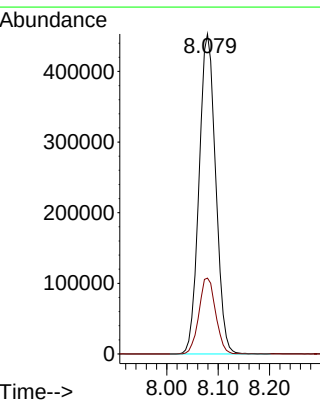
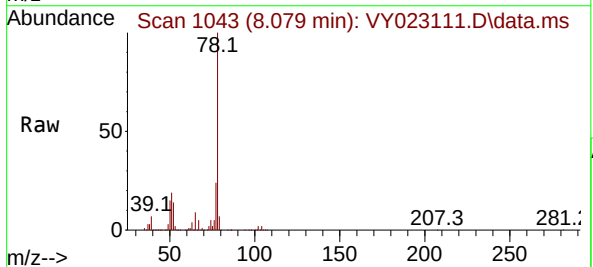
Acq: 15 Aug 2025 08:39

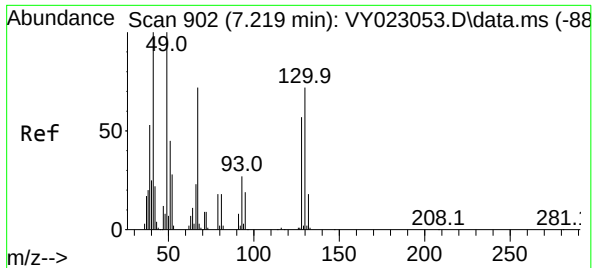
Tgt Ion: 78 Resp: 1014264

Ion Ratio Lower Upper

78 100

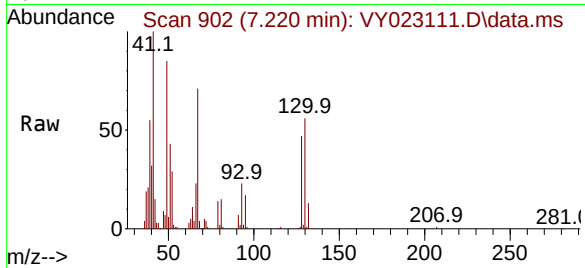
77 23.7 18.6 28.0





#41
Methacrylonitrile
Concen: 51.807 ug/l m
RT: 7.220 min Scan# 902
Delta R.T. 0.000 min
Lab File: VY023111.D
Acq: 15 Aug 2025 08:39

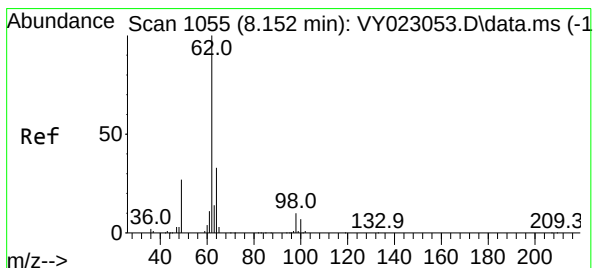
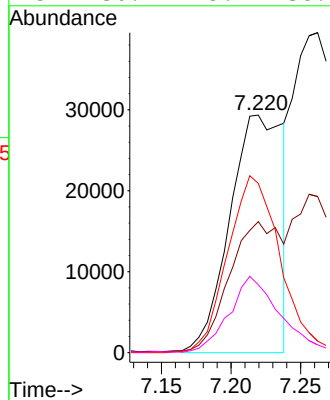
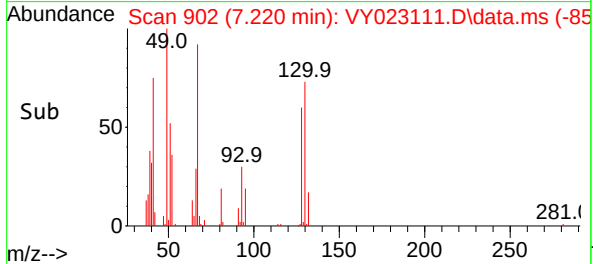
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



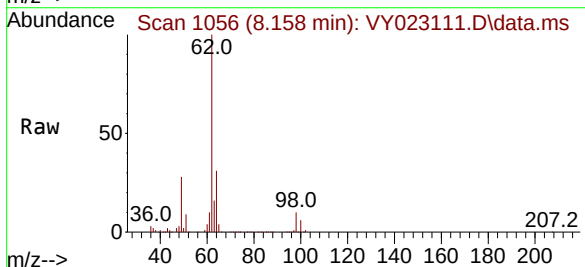
Tgt Ion: 41 Resp: 77838
Ion Ratio Lower Upper
41 100
39 53.6 43.4 65.2
67 75.0 63.6 95.4
52 30.7 25.4 38.2

Manual Integrations
APPROVED

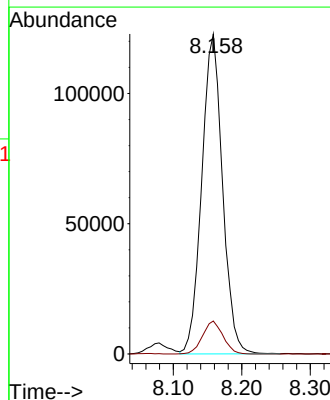
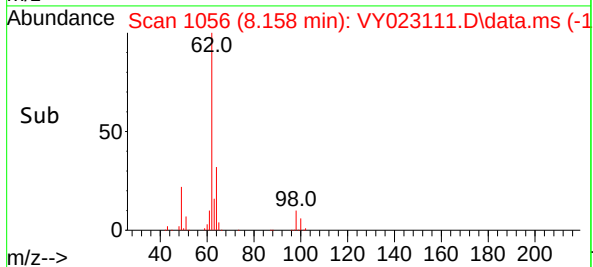
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025

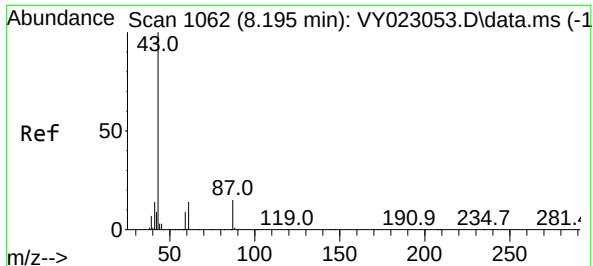


#42
1,2-Dichloroethane
Concen: 52.122 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VY023111.D
Acq: 15 Aug 2025 08:39



Tgt Ion: 62 Resp: 258937
Ion Ratio Lower Upper
62 100
98 10.1 0.0 20.6





#43

Isopropyl Acetate

Concen: 47.653 ug/l

RT: 8.195 min Scan# 1062

Delta R.T. 0.000 min

Lab File: VY023111.D

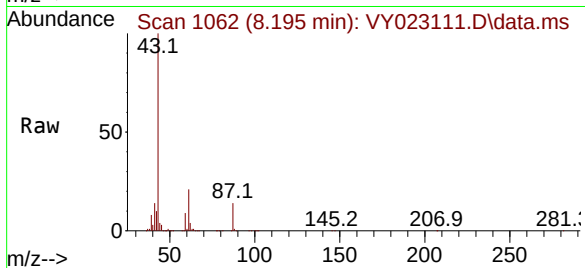
Acq: 15 Aug 2025 08:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050



Tgt Ion: 43 Resp: 250740

Ion Ratio Lower Upper

43 100

61 31.8 16.4 24.6

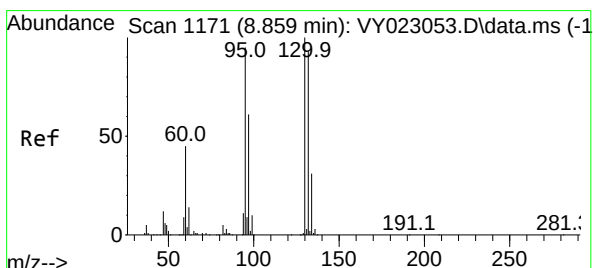
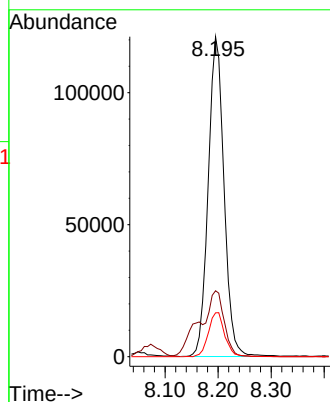
87 14.3 11.8 17.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/19/2025

Supervised By :Mahesh Dadoda 08/19/2025



#44

Trichloroethene

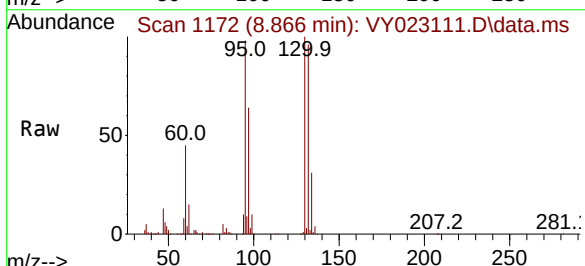
Concen: 51.680 ug/l

RT: 8.866 min Scan# 1172

Delta R.T. 0.006 min

Lab File: VY023111.D

Acq: 15 Aug 2025 08:39

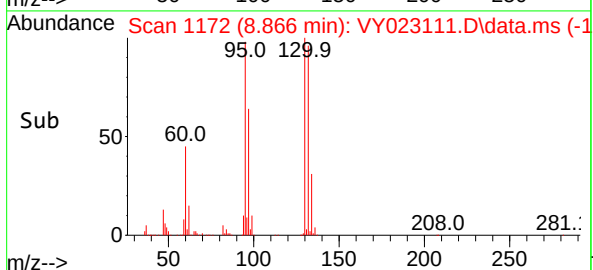
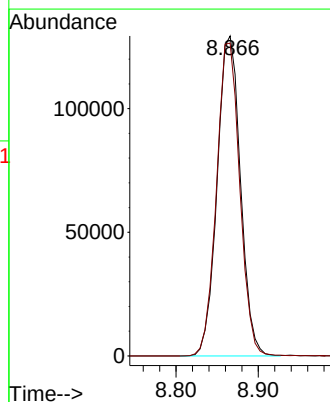


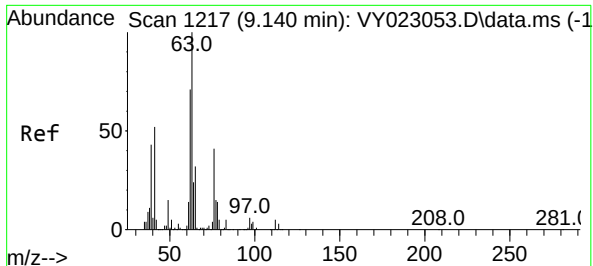
Tgt Ion:130 Resp: 255103

Ion Ratio Lower Upper

130 100

95 97.8 0.0 190.2





#45

1,2-Dichloropropane

Concen: 53.160 ug/l

RT: 9.140 min Scan# 1217

Delta R.T. 0.000 min

Lab File: VY023111.D

Acq: 15 Aug 2025 08:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 63 Resp: 233639

Ion Ratio Lower Upper

63 100

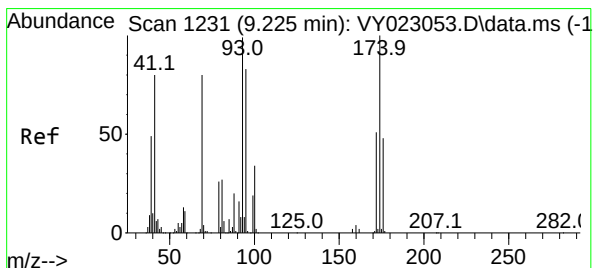
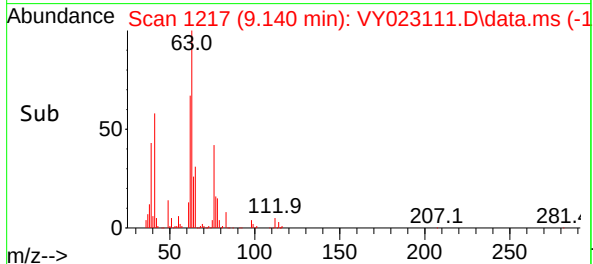
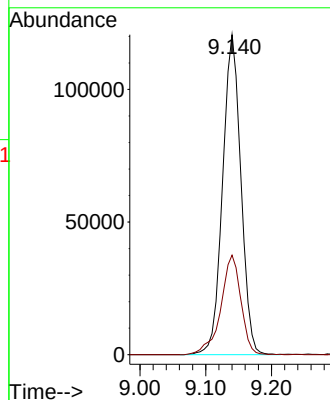
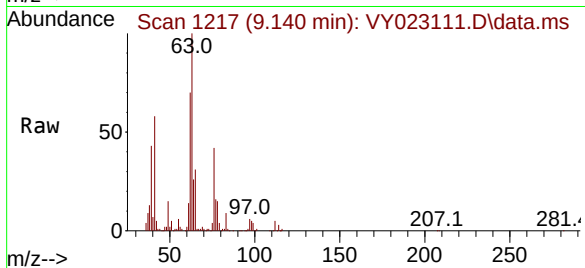
65 31.1 25.3 37.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/19/2025

Supervised By :Mahesh Dadoda 08/19/2025



#46

Dibromomethane

Concen: 52.280 ug/l

RT: 9.225 min Scan# 1231

Delta R.T. 0.000 min

Lab File: VY023111.D

Acq: 15 Aug 2025 08:39

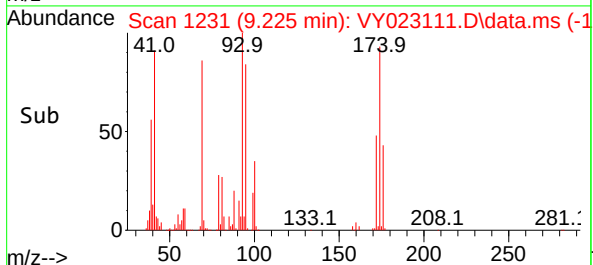
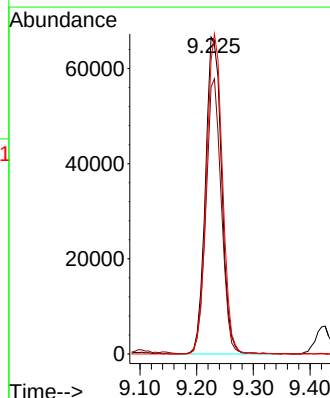
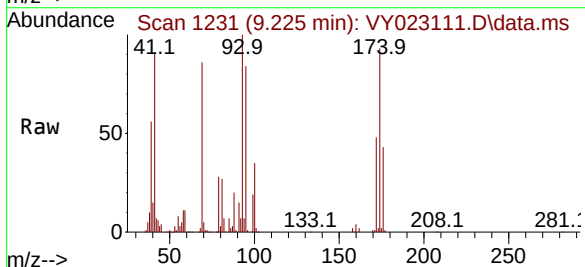
Tgt Ion: 93 Resp: 131880

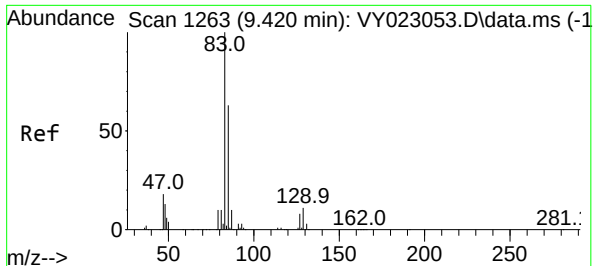
Ion Ratio Lower Upper

93 100

95 83.1 66.5 99.7

174 99.7 81.8 122.8





#47

Bromodichloromethane

Concen: 53.260 ug/l

RT: 9.420 min Scan# 1263

Delta R.T. 0.000 min

Lab File: VY023111.D

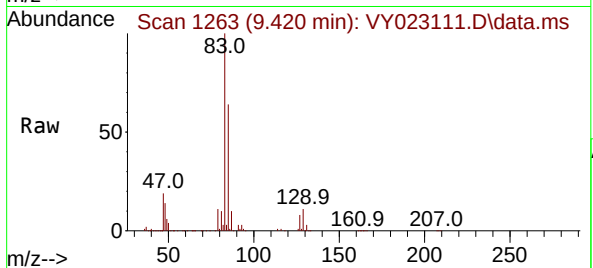
Acq: 15 Aug 2025 08:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050



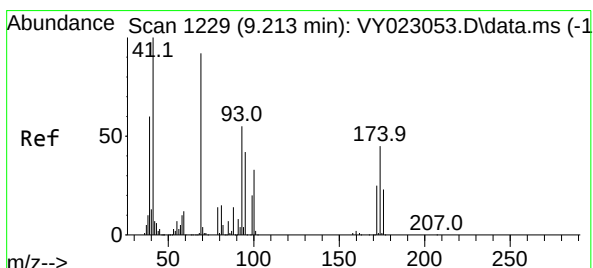
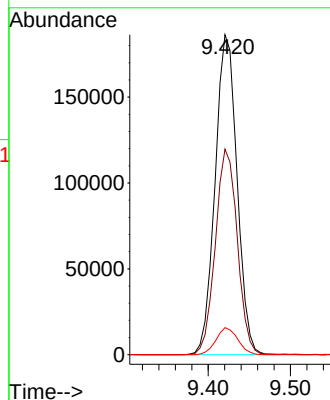
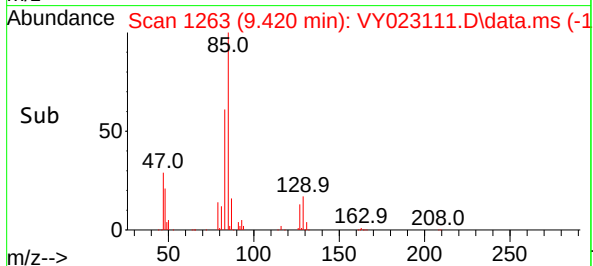
Tgt Ion:	83	Resp:	345709
Ion	Ratio	Lower	Upper
83	100		
85	64.2	50.2	75.4
127	8.4	6.6	10.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/19/2025

Supervised By :Mahesh Dadoda 08/19/2025



#48

Methyl methacrylate

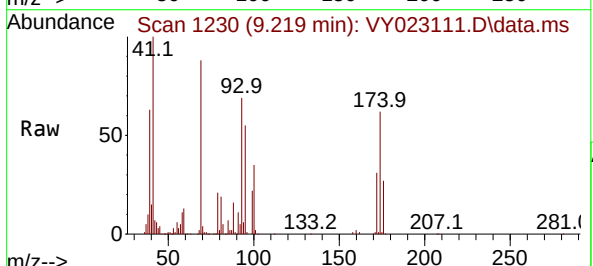
Concen: 48.387 ug/l

RT: 9.219 min Scan# 1230

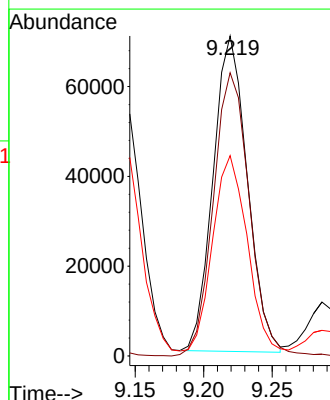
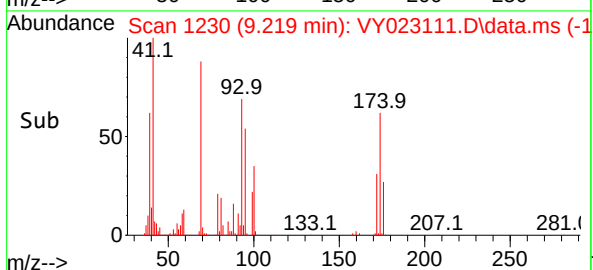
Delta R.T. 0.006 min

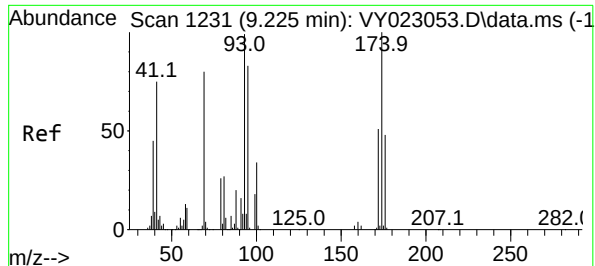
Lab File: VY023111.D

Acq: 15 Aug 2025 08:39



Tgt Ion:	41	Resp:	121834
Ion	Ratio	Lower	Upper
41	100		
69	94.8	73.2	109.8
39	62.6	47.0	70.4





#49

1,4-Dioxane

Concen: 949.382 ug/l

RT: 9.225 min Scan# 1231

Delta R.T. 0.000 min

Lab File: VY023111.D

Acq: 15 Aug 2025 08:39

Instrument :

MSVOA_Y

ClientSampleId :

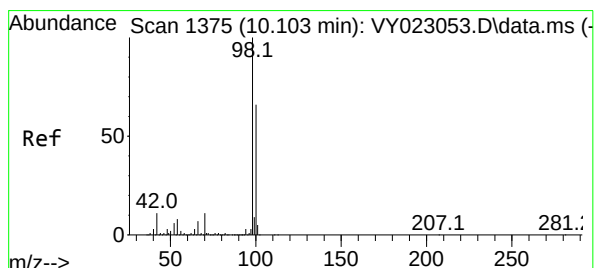
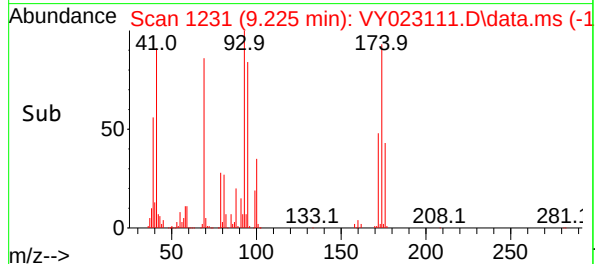
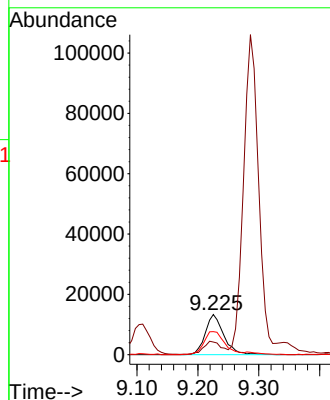
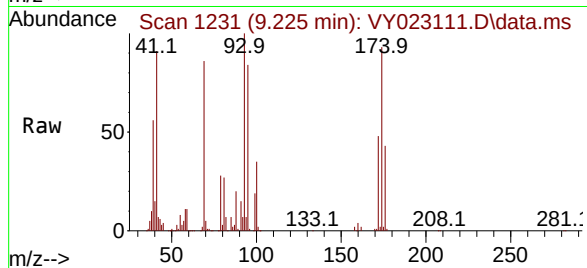
VSTDCCC050

Tgt Ion:	88	Resp:	2808
Ion Ratio	Lower	Upper	
88	100		
43	31.4	24.3	36.5
58	64.6	55.4	83.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025



#50

Toluene-d8

Concen: 51.612 ug/l

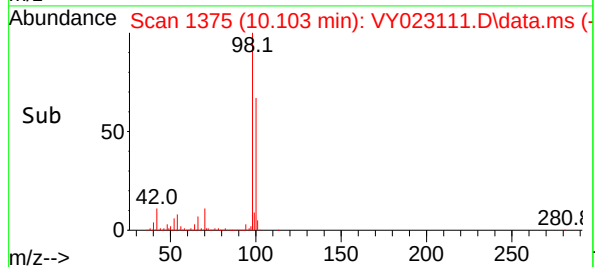
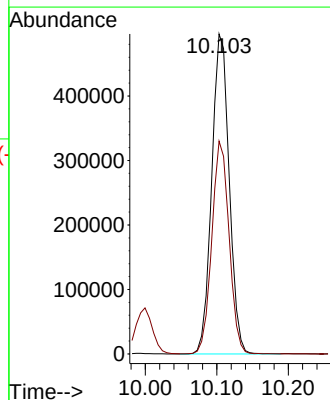
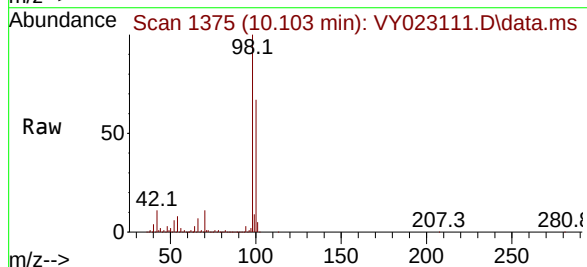
RT: 10.103 min Scan# 1375

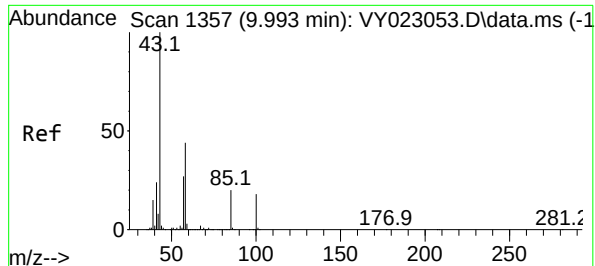
Delta R.T. 0.000 min

Lab File: VY023111.D

Acq: 15 Aug 2025 08:39

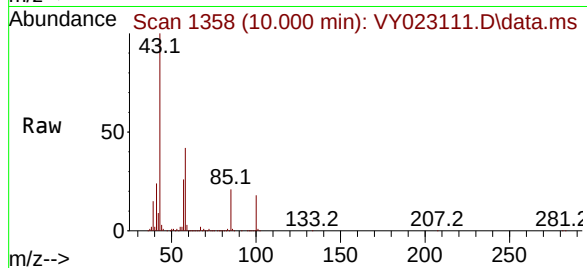
Tgt Ion:	98	Resp:	840812
Ion Ratio	Lower	Upper	
98	100		
100	65.8	52.3	78.5





#51
4-Methyl-2-Pentanone
Concen: 248.424 ug/l
RT: 10.000 min Scan# 1357
Delta R.T. 0.006 min
Lab File: VY023111.D
Acq: 15 Aug 2025 08:39

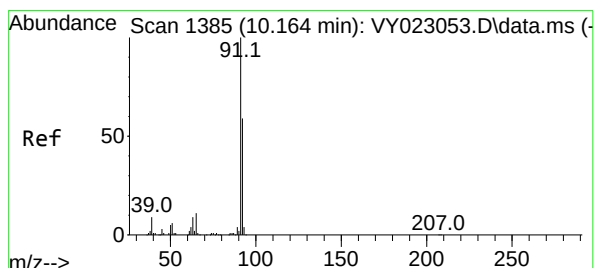
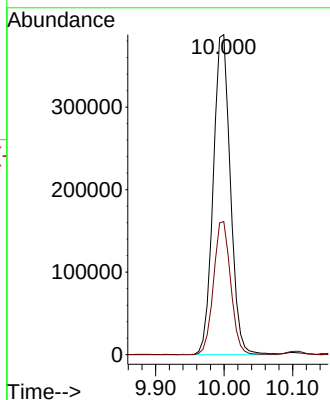
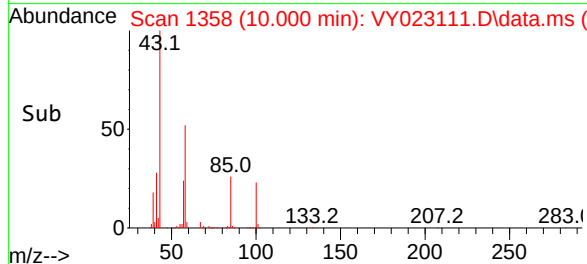
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



Tgt Ion: 43 Resp: 67426
Ion Ratio Lower Upper
43 100
58 41.7 33.5 50.3

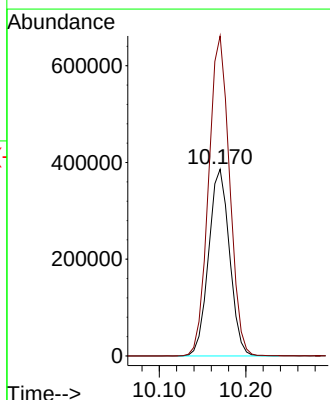
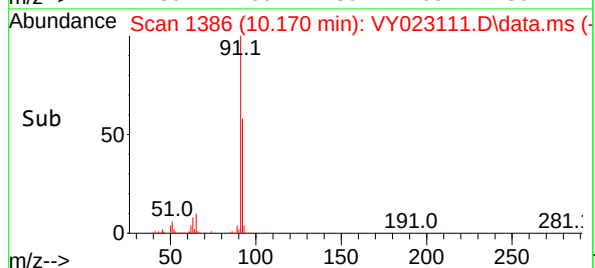
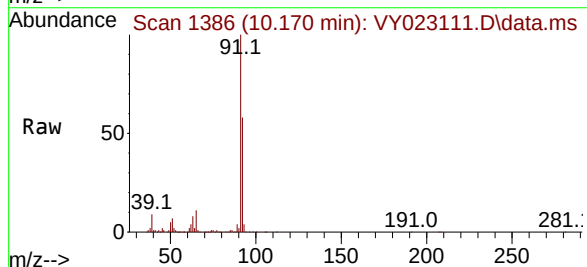
Manual Integrations
APPROVED

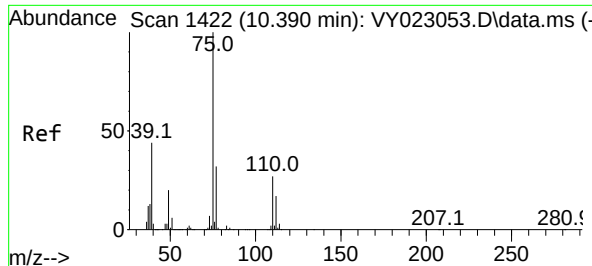
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025



#52
Toluene
Concen: 53.288 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.006 min
Lab File: VY023111.D
Acq: 15 Aug 2025 08:39

Tgt Ion: 92 Resp: 646468
Ion Ratio Lower Upper
92 100
91 172.4 136.4 204.6





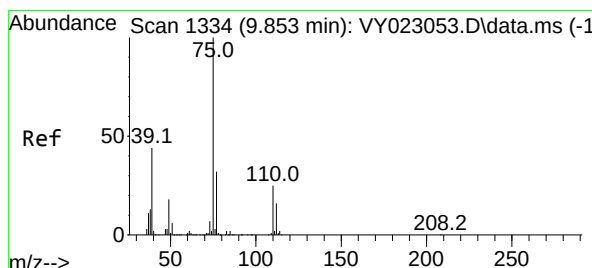
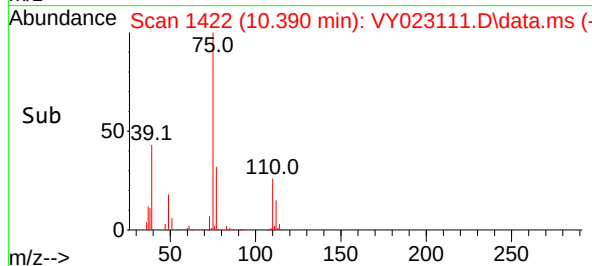
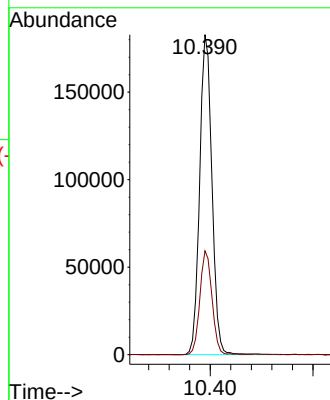
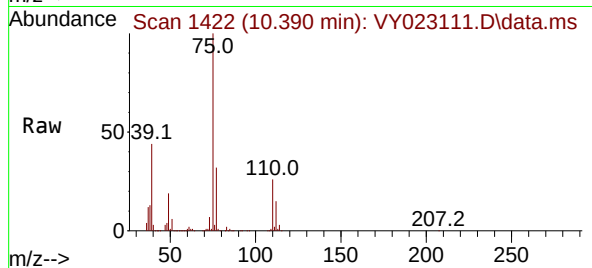
#53
t-1,3-Dichloropropene
Concen: 51.512 ug/l
RT: 10.390 min Scan# 1422
Delta R.T. 0.000 min
Lab File: VY023111.D
Acq: 15 Aug 2025 08:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 30278
Ion Ratio Lower Upper
75 100
77 32.4 25.7 38.5

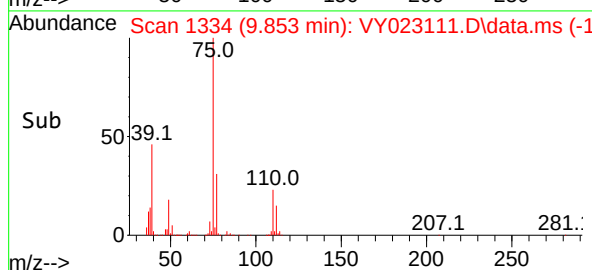
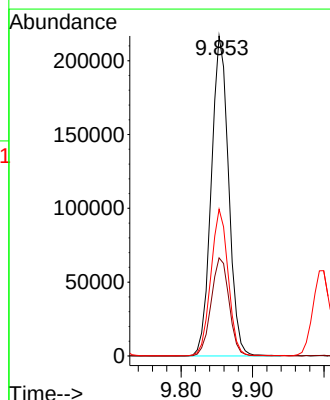
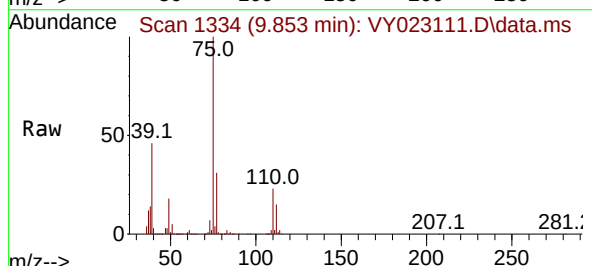
Manual Integrations
APPROVED

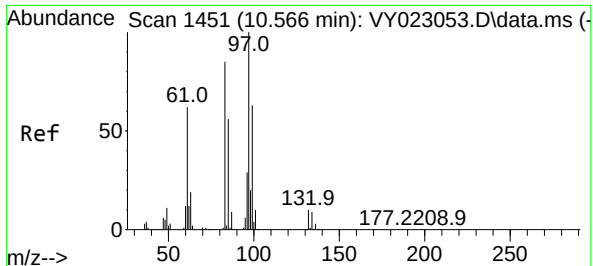
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025



#54
cis-1,3-Dichloropropene
Concen: 52.418 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY023111.D
Acq: 15 Aug 2025 08:39

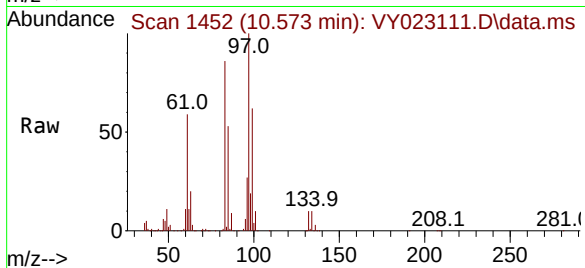
Tgt Ion: 75 Resp: 364333
Ion Ratio Lower Upper
75 100
77 30.7 25.4 38.0
39 45.8 35.6 53.4





#55
1,1,2-Trichloroethane
Concen: 51.936 ug/l
RT: 10.573 min Scan# 1451
Delta R.T. 0.006 min
Lab File: VY023111.D
Acq: 15 Aug 2025 08:39

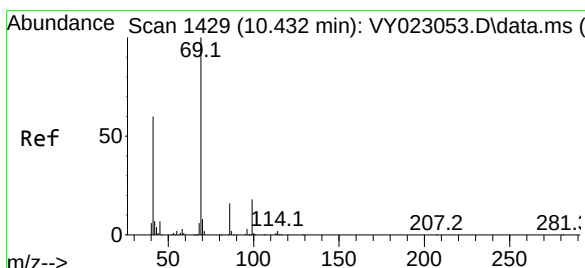
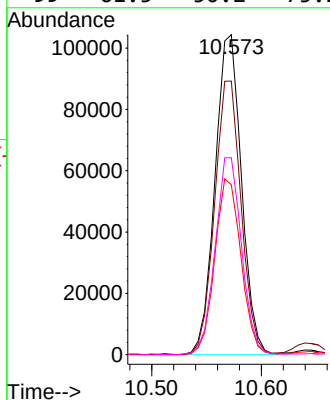
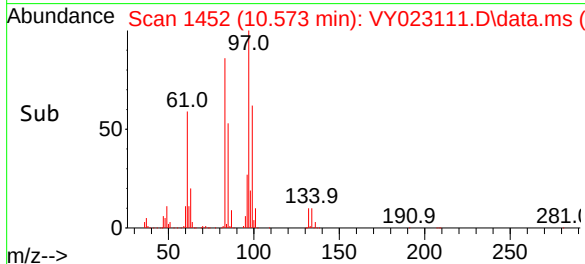
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



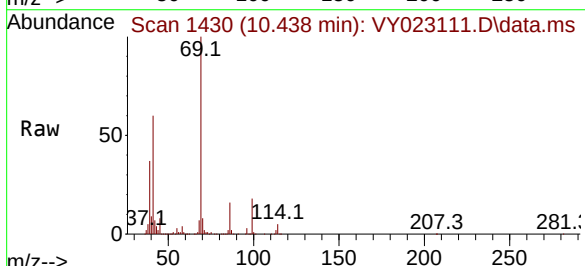
Tgt Ion: 97 Resp: 175309
Ion Ratio Lower Upper
97 100
83 85.5 67.7 101.5
85 53.1 44.5 66.7
99 61.5 50.2 75.2

Manual Integrations
APPROVED

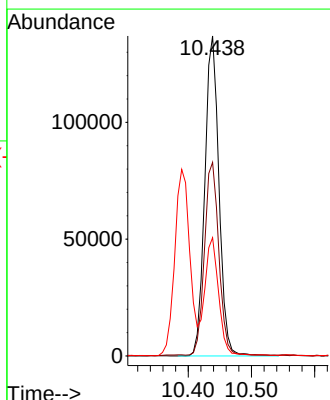
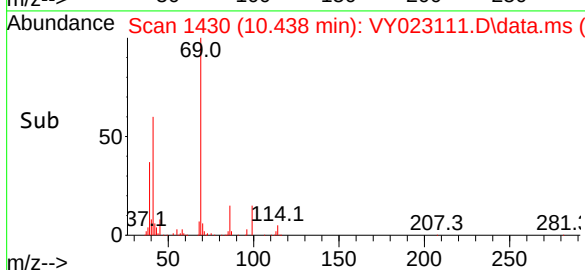
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025

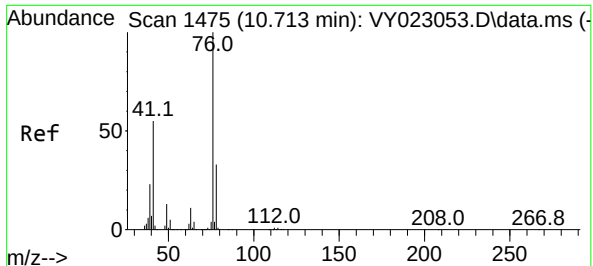


#56
Ethyl methacrylate
Concen: 49.477 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.006 min
Lab File: VY023111.D
Acq: 15 Aug 2025 08:39



Tgt Ion: 69 Resp: 213704
Ion Ratio Lower Upper
69 100
41 61.2 48.6 72.8
39 35.7 27.0 40.4





#57

1,3-Dichloropropane

Concen: 51.352 ug/l

RT: 10.713 min Scan# 1475

Delta R.T. 0.000 min

Lab File: VY023111.D

Acq: 15 Aug 2025 08:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 76 Resp: 293968

Ion Ratio Lower Upper

76 100

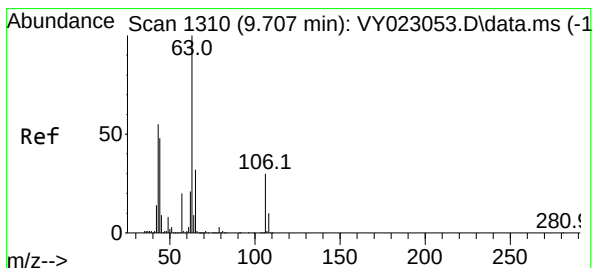
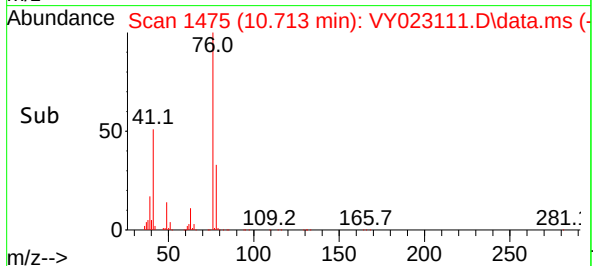
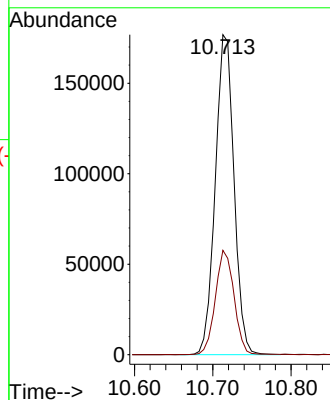
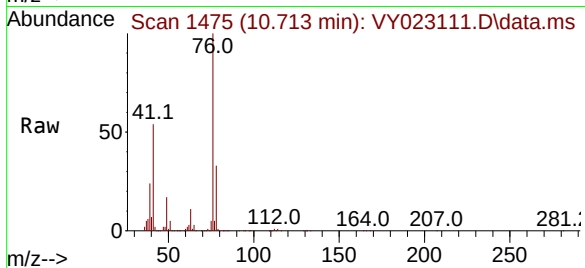
78 32.6 26.0 39.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/19/2025

Supervised By :Mahesh Dadoda 08/19/2025



#58

2-Chloroethyl Vinyl ether

Concen: 260.887 ug/l

RT: 9.707 min Scan# 1310

Delta R.T. 0.000 min

Lab File: VY023111.D

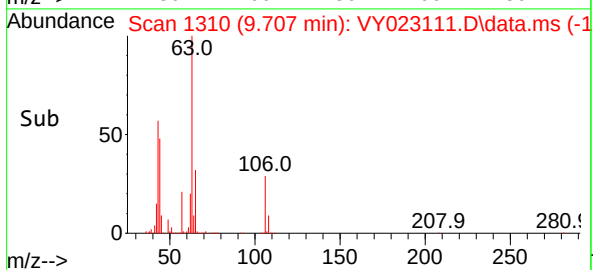
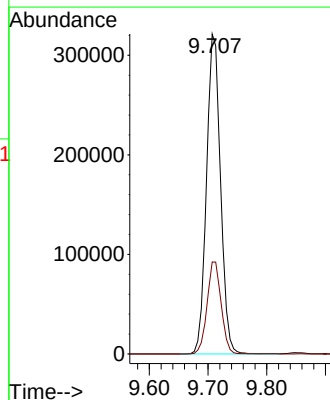
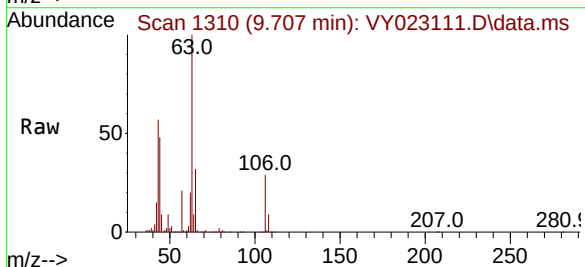
Acq: 15 Aug 2025 08:39

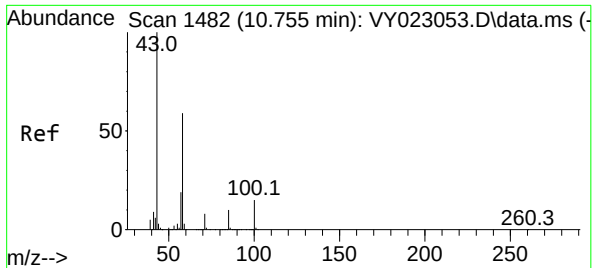
Tgt Ion: 63 Resp: 531531

Ion Ratio Lower Upper

63 100

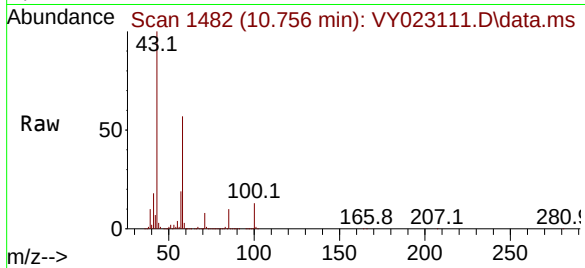
106 28.9 23.2 34.8





#59
2-Hexanone
Concen: 255.032 ug/l
RT: 10.756 min Scan# 1482
Delta R.T. 0.000 min
Lab File: VY023111.D
Acq: 15 Aug 2025 08:39

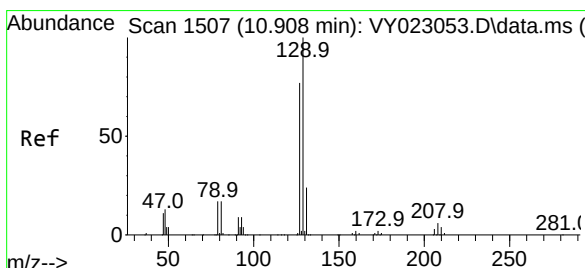
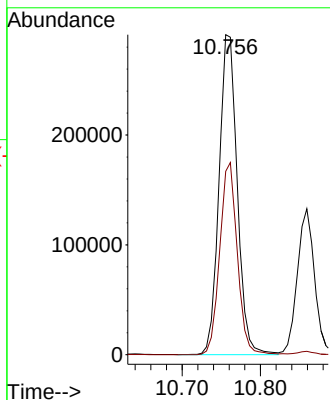
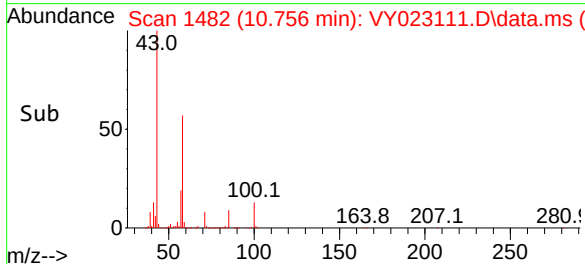
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



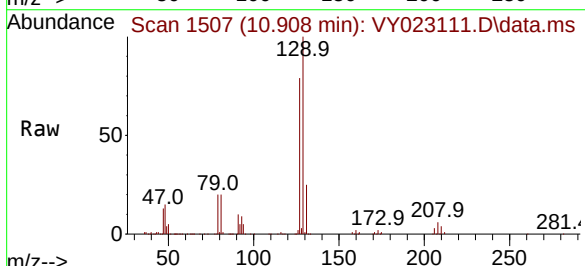
Tgt Ion: 43 Resp: 47134
Ion Ratio Lower Upper
43 100
58 57.9 29.5 88.5

Manual Integrations
APPROVED

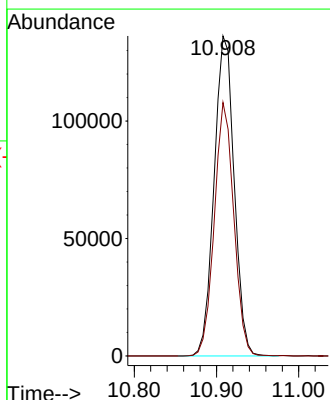
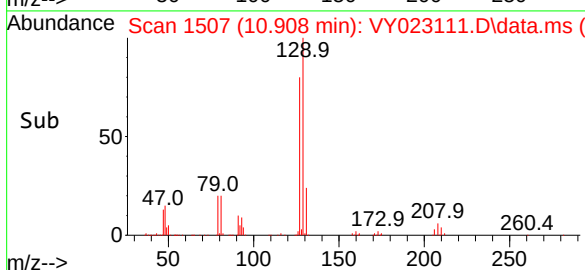
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025

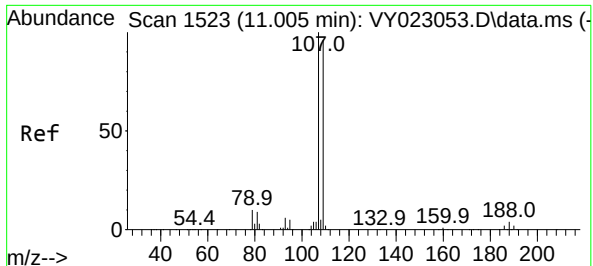


#60
Dibromochloromethane
Concen: 51.895 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY023111.D
Acq: 15 Aug 2025 08:39



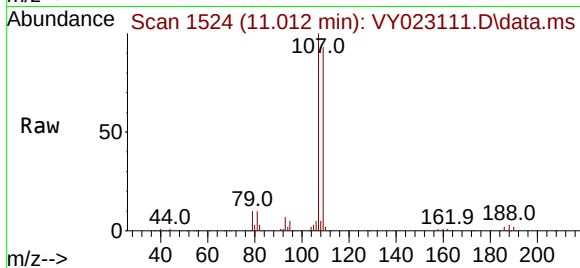
Tgt Ion:129 Resp: 231138
Ion Ratio Lower Upper
129 100
127 77.0 38.5 115.5





#61
1,2-Dibromoethane
Concen: 50.454 ug/l
RT: 11.012 min Scan# 1523
Delta R.T. 0.006 min
Lab File: VY023111.D
Acq: 15 Aug 2025 08:39

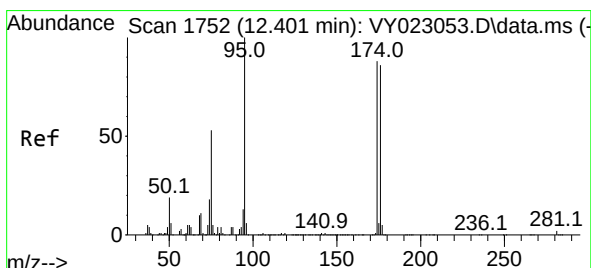
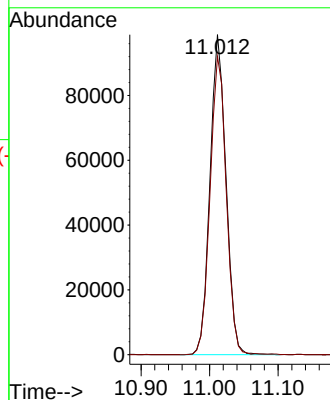
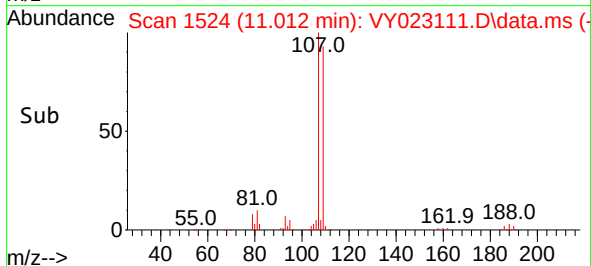
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



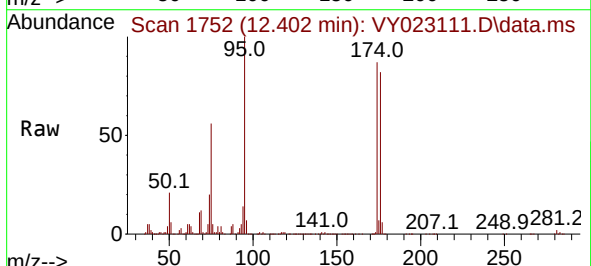
Tgt Ion: 107 Resp: 160069
Ion Ratio Lower Upper
107 100
109 94.6 75.6 113.4

Manual Integrations
APPROVED

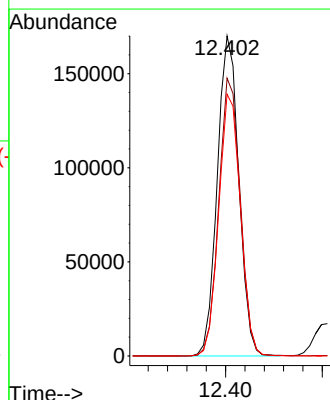
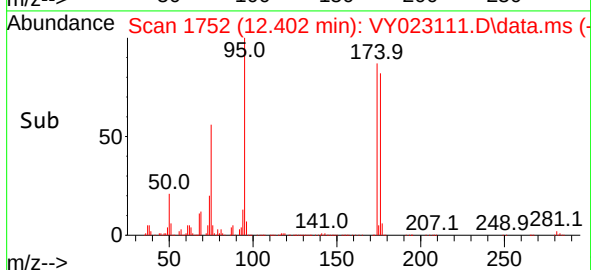
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025

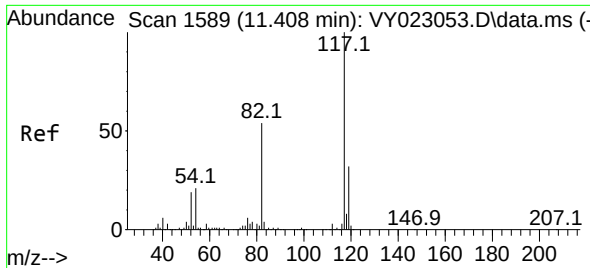


#62
4-Bromofluorobenzene
Concen: 50.079 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023111.D
Acq: 15 Aug 2025 08:39



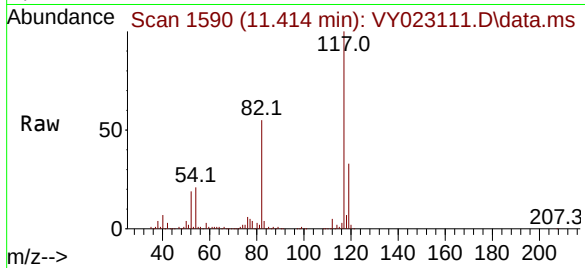
Tgt Ion: 95 Resp: 262368
Ion Ratio Lower Upper
95 100
174 86.8 0.0 171.6
176 82.7 0.0 167.6





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023111.D
Acq: 15 Aug 2025 08:39

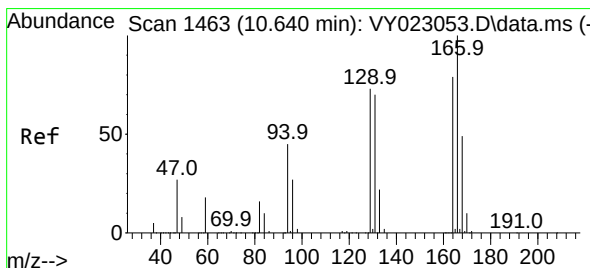
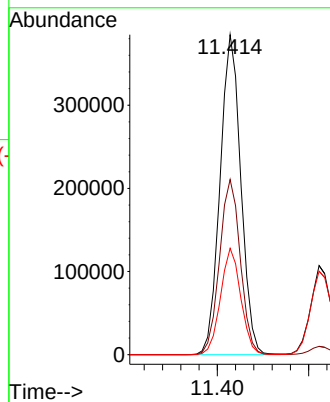
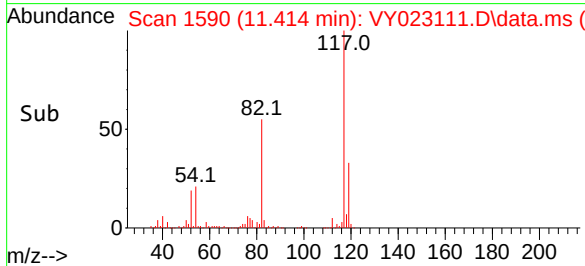
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



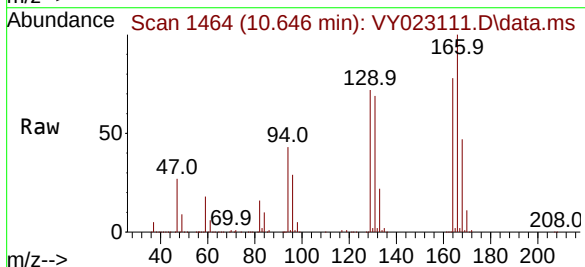
Tgt Ion:117 Resp: 60734
Ion Ratio Lower Upper
117 100
82 54.7 43.4 65.0
119 33.3 25.6 38.4

Manual Integrations
APPROVED

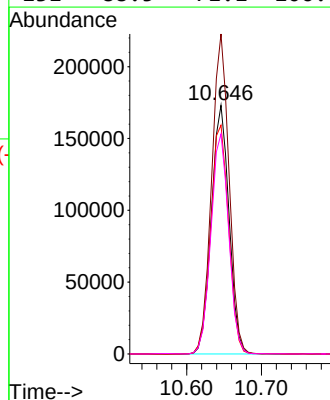
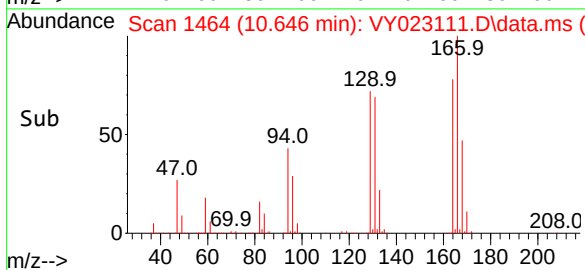
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025

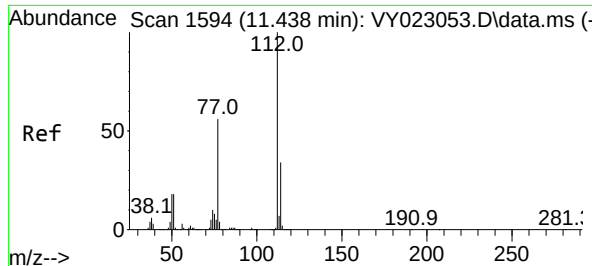


#64
Tetrachloroethene
Concen: 52.484 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.006 min
Lab File: VY023111.D
Acq: 15 Aug 2025 08:39



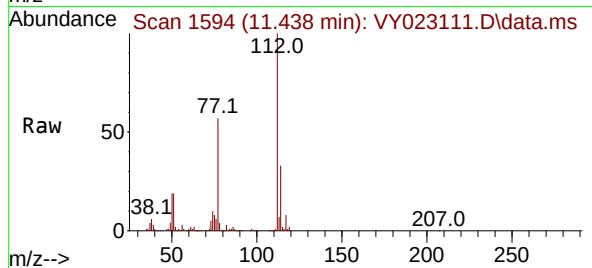
Tgt Ion:164 Resp: 284630
Ion Ratio Lower Upper
164 100
166 128.7 101.1 151.7
129 92.0 74.0 111.0
131 88.5 71.1 106.7





#65
Chlorobenzene
Concen: 52.949 ug/l
RT: 11.438 min Scan# 1594
Delta R.T. 0.000 min
Lab File: VY023111.D
Acq: 15 Aug 2025 08:39

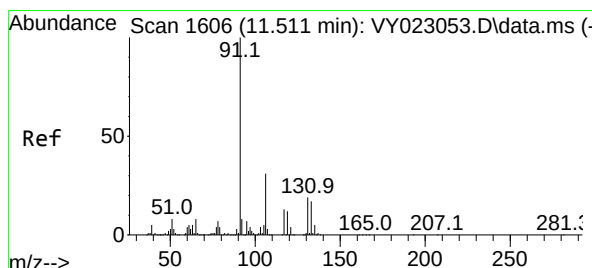
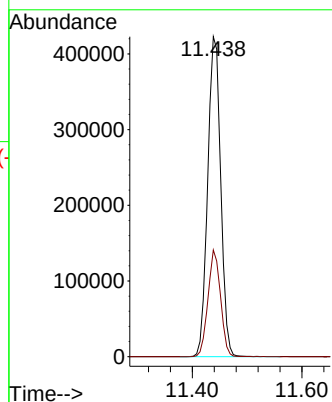
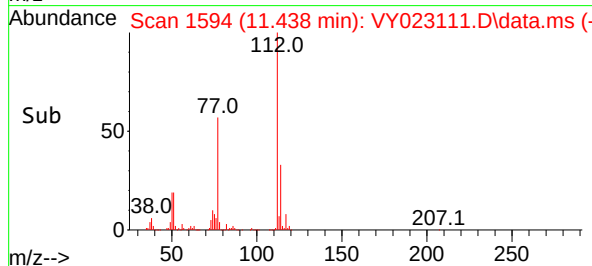
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



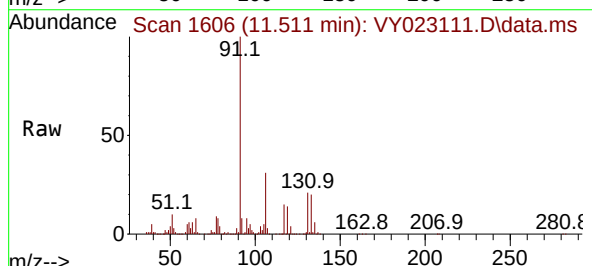
Tgt Ion:112 Resp: 69366
Ion Ratio Lower Upper
112 100
114 33.3 27.0 40.4

Manual Integrations
APPROVED

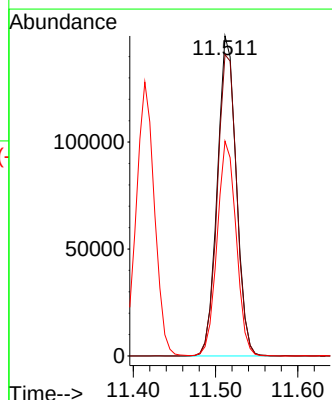
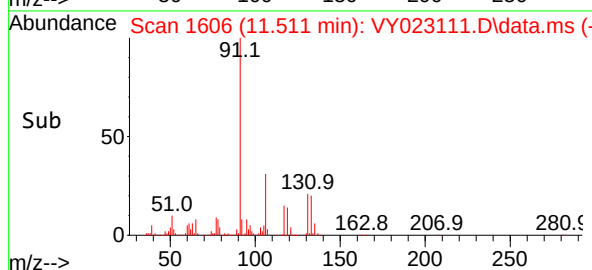
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025

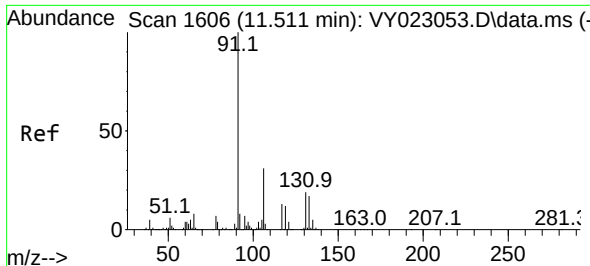


#66
1,1,1,2-Tetrachloroethane
Concen: 53.813 ug/l
RT: 11.511 min Scan# 1606
Delta R.T. 0.000 min
Lab File: VY023111.D
Acq: 15 Aug 2025 08:39



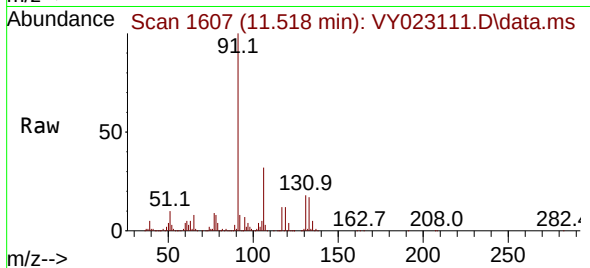
Tgt Ion:131 Resp: 239263
Ion Ratio Lower Upper
131 100
133 96.8 46.9 140.6
119 67.6 33.2 99.6





#67
Ethyl Benzene
Concen: 54.111 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.006 min
Lab File: VY023111.D
Acq: 15 Aug 2025 08:39

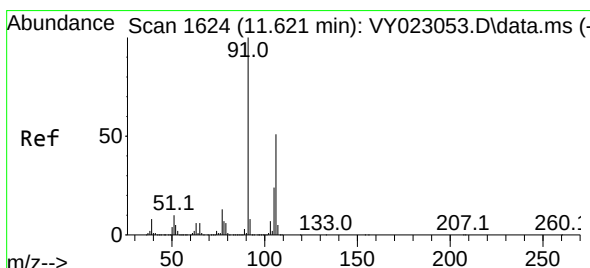
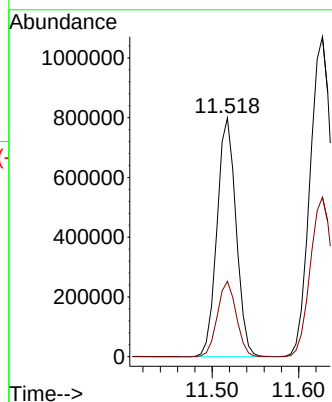
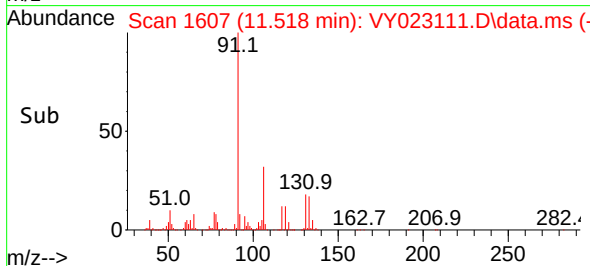
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



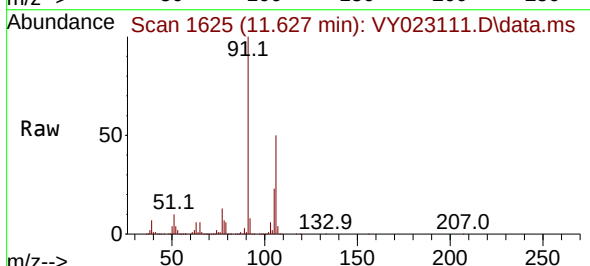
Tgt Ion: 91 Resp: 121991
Ion Ratio Lower Upper
91 100
106 31.6 25.0 37.4

Manual Integrations
APPROVED

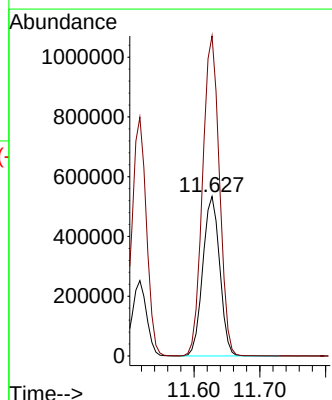
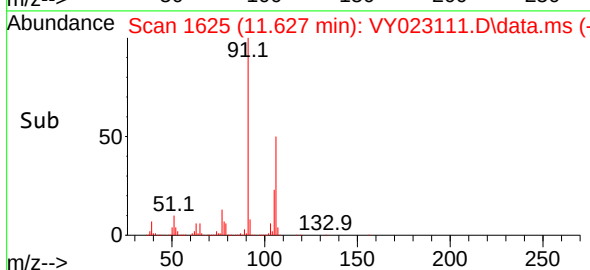
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025

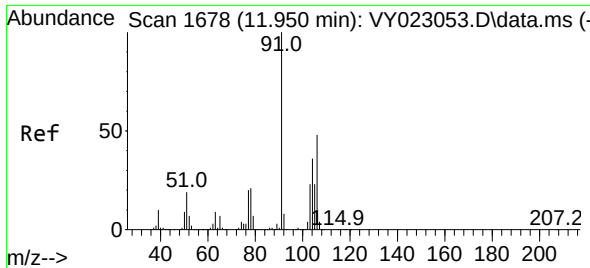


#68
m/p-Xylenes
Concen: 108.283 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.006 min
Lab File: VY023111.D
Acq: 15 Aug 2025 08:39



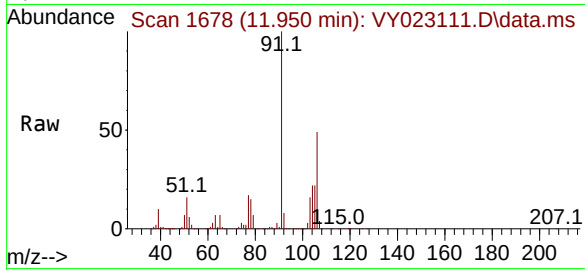
Tgt Ion:106 Resp: 953446
Ion Ratio Lower Upper
106 100
91 199.4 158.6 238.0





#69
o-Xylene
Concen: 54.193 ug/l
RT: 11.950 min Scan# 1678
Delta R.T. 0.000 min
Lab File: VY023111.D
Acq: 15 Aug 2025 08:39

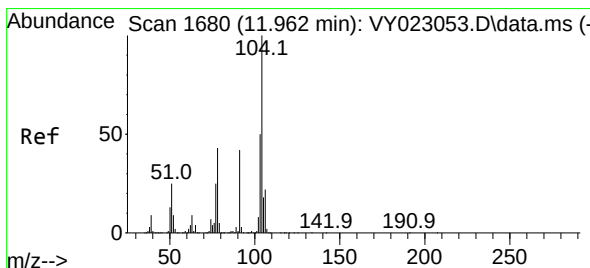
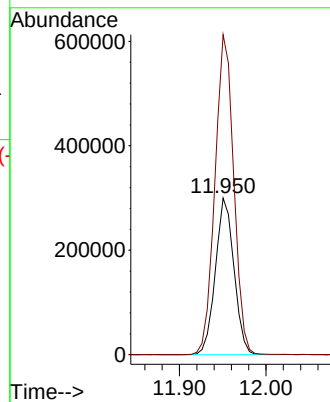
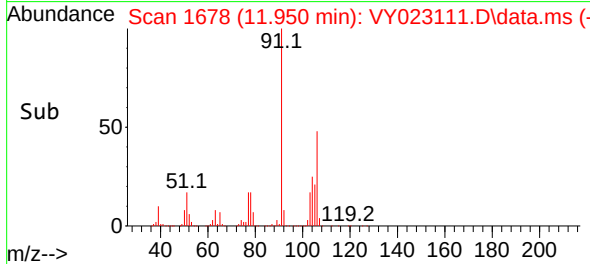
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



Tgt Ion:106 Resp: 446920
Ion Ratio Lower Upper
106 100
91 206.9 103.2 309.4

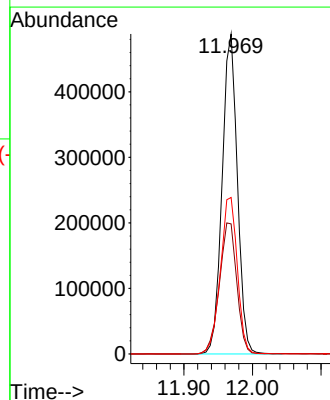
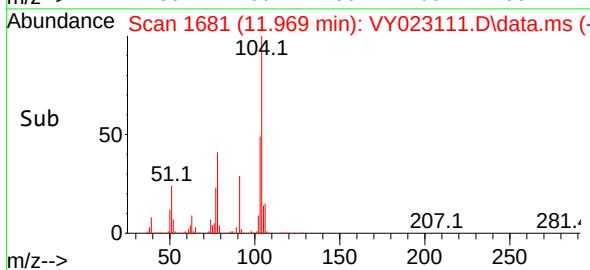
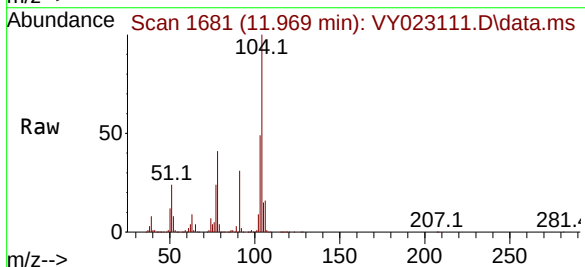
Manual Integrations
APPROVED

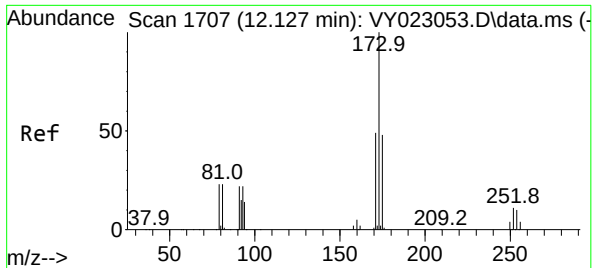
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025



#70
Styrene
Concen: 55.770 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.006 min
Lab File: VY023111.D
Acq: 15 Aug 2025 08:39

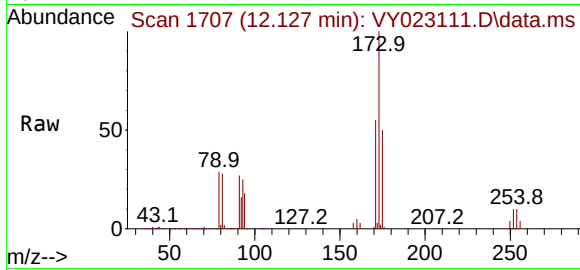
Tgt Ion:104 Resp: 752144
Ion Ratio Lower Upper
104 100
78 46.7 38.5 57.7
103 54.3 43.7 65.5





#71
Bromoform
Concen: 49.544 ug/l
RT: 12.127 min Scan# 1707
Delta R.T. 0.000 min
Lab File: VY023111.D
Acq: 15 Aug 2025 08:39

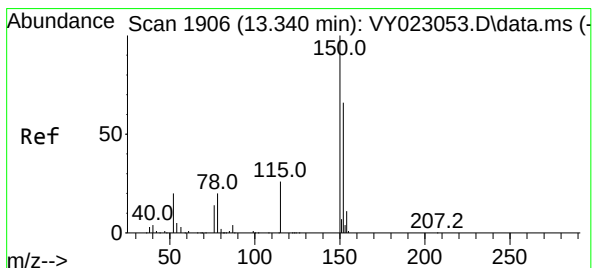
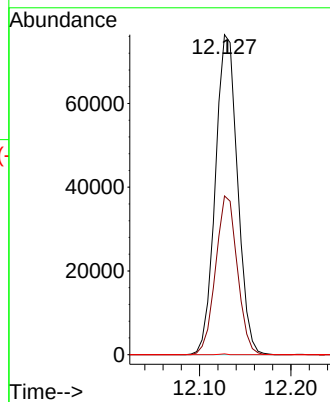
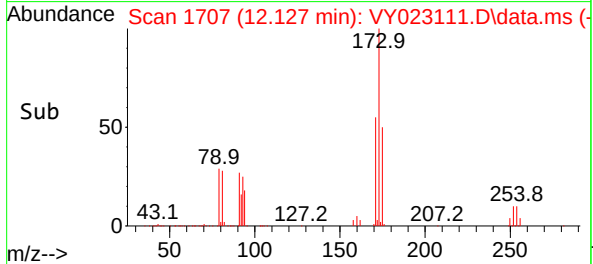
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



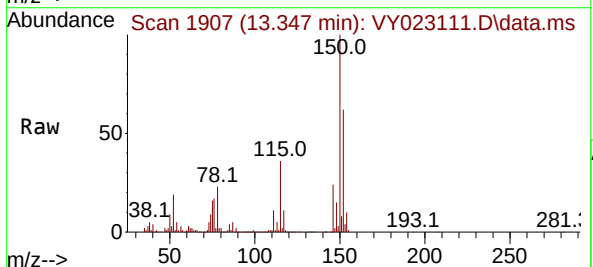
Tgt Ion:173 Resp: 128745
Ion Ratio Lower Upper
173 100
175 48.7 23.9 71.7
254 0.1 0.1 0.1

Manual Integrations
APPROVED

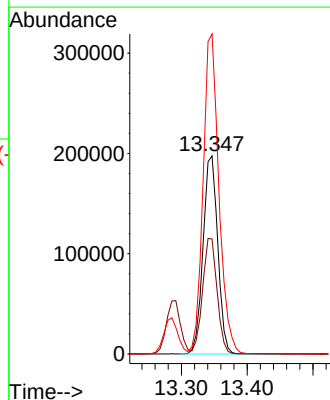
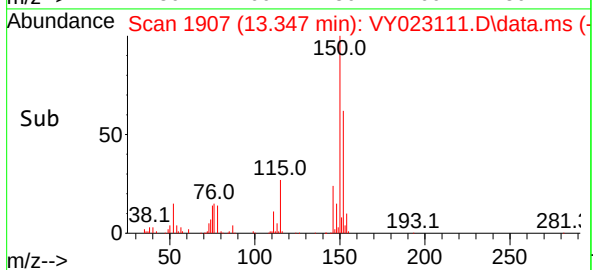
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025

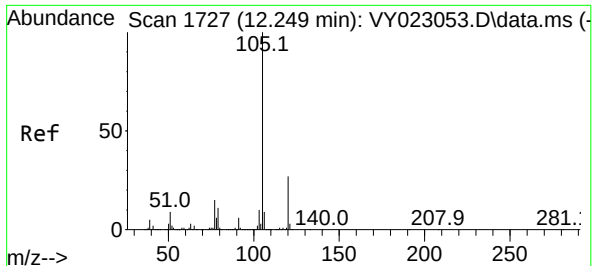


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.006 min
Lab File: VY023111.D
Acq: 15 Aug 2025 08:39



Tgt Ion:152 Resp: 306948
Ion Ratio Lower Upper
152 100
115 57.4 28.2 84.6
150 174.0 0.0 348.0





#73

Isopropylbenzene

Concen: 52.906 ug/l

RT: 12.249 min Scan# 1727

Delta R.T. 0.000 min

Lab File: VY023111.D

Acq: 15 Aug 2025 08:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion:105 Resp: 114616

Ion Ratio Lower Upper

105 100

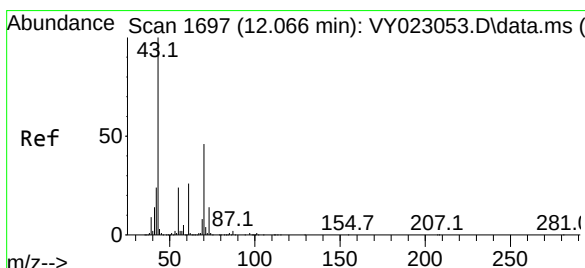
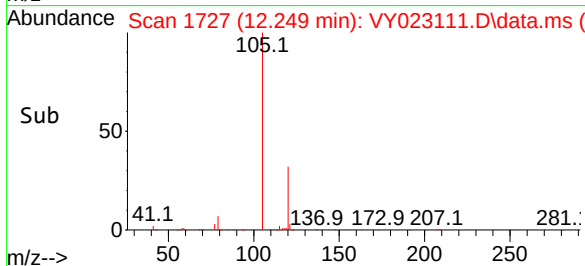
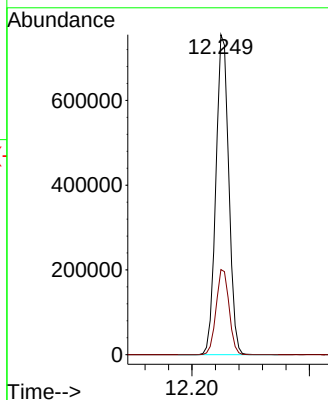
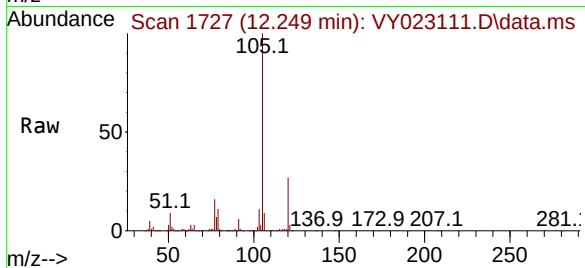
120 26.7 13.4 40.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/19/2025

Supervised By :Mahesh Dadoda 08/19/2025



#74

N-ethyl acetate

Concen: 49.257 ug/l

RT: 12.066 min Scan# 1697

Delta R.T. 0.000 min

Lab File: VY023111.D

Acq: 15 Aug 2025 08:39

Tgt Ion: 43 Resp: 226300

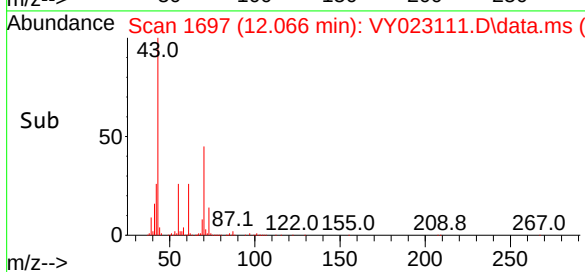
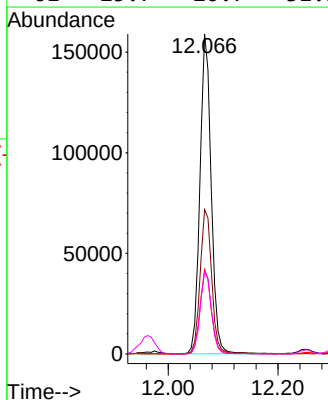
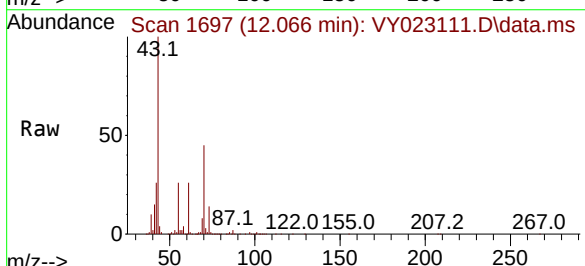
Ion Ratio Lower Upper

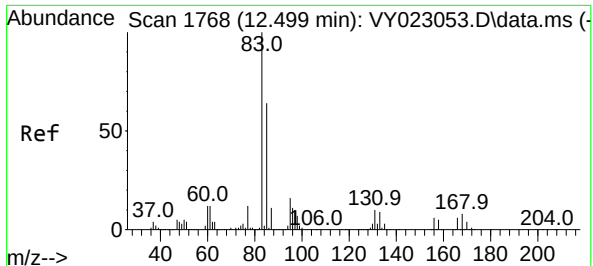
43 100

70 46.7 37.5 56.3

55 26.9 20.7 31.1

61 25.7 20.7 31.1





#75

1,1,2,2-Tetrachloroethane

Concen: 49.405 ug/l

RT: 12.505 min Scan# 1769

Delta R.T. 0.006 min

Lab File: VY023111.D

Acq: 15 Aug 2025 08:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 83 Resp: 18275

Ion Ratio Lower Upper

83 100

131 10.3 5.1 15.3

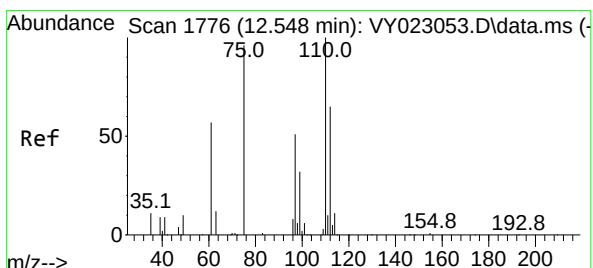
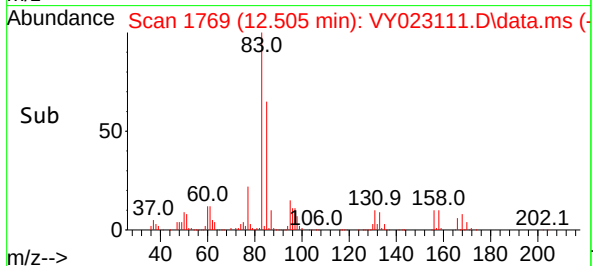
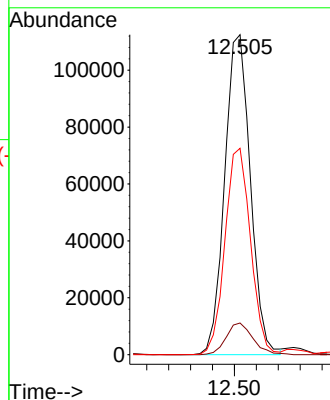
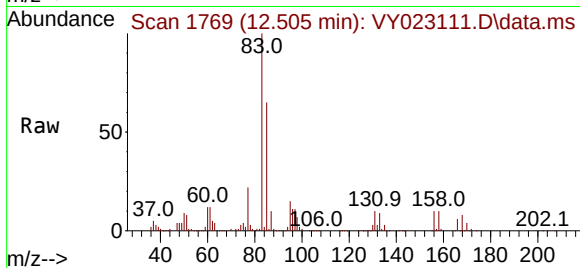
85 64.4 31.8 95.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/19/2025

Supervised By :Mahesh Dadoda 08/19/2025



#76

1,2,3-Trichloropropane

Concen: 51.159 ug/l m

RT: 12.554 min Scan# 1777

Delta R.T. 0.006 min

Lab File: VY023111.D

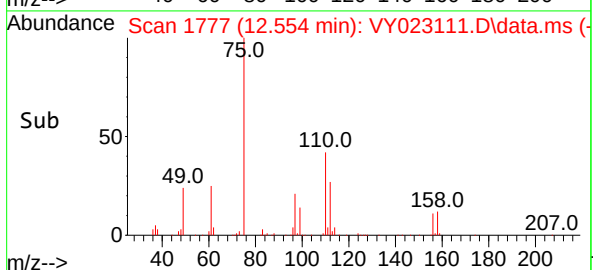
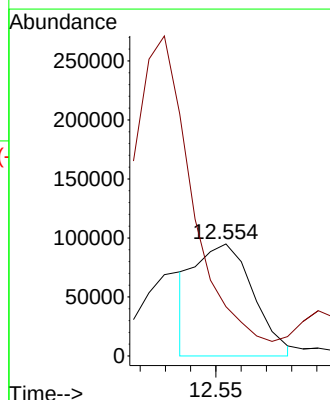
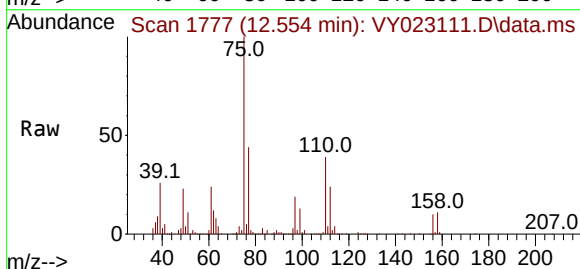
Acq: 15 Aug 2025 08:39

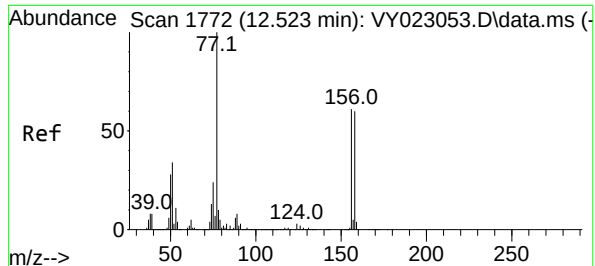
Tgt Ion: 75 Resp: 151552

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 50.833 ug/l

RT: 12.530 min Scan# 1772

Delta R.T. 0.006 min

Lab File: VY023111.D

Acq: 15 Aug 2025 08:39

Instrument :

MSVOA_Y

ClientSampleId :

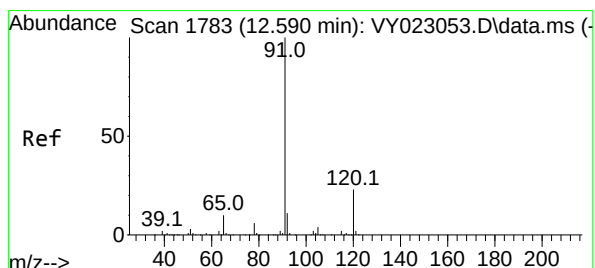
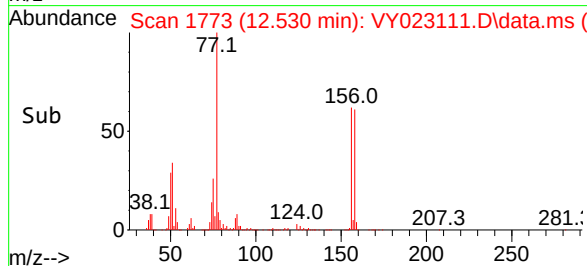
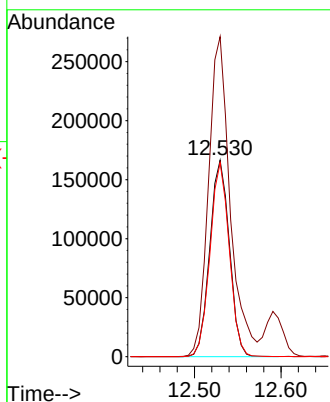
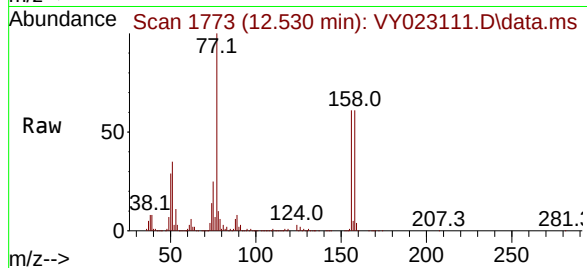
VSTDCCC050

Tgt Ion:	156	Resp:	262720
Ion Ratio	Lower	Upper	
156	100		
77	179.1	88.1	264.4
158	96.7	48.0	144.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025



#78

n-propylbenzene

Concen: 54.137 ug/l

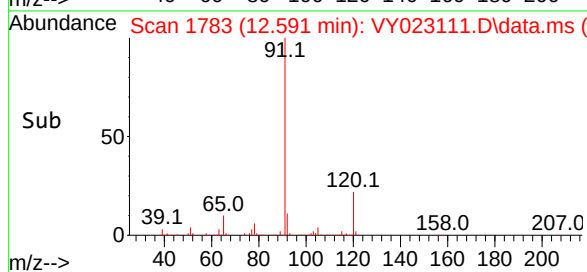
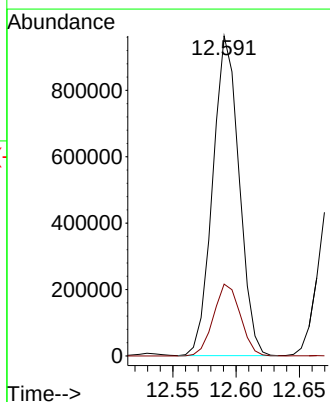
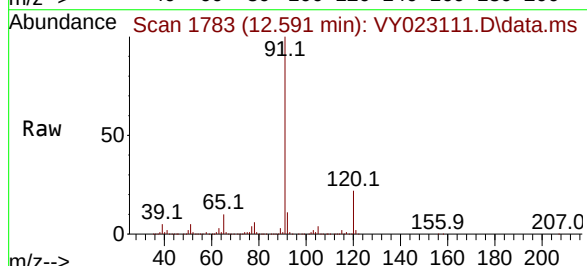
RT: 12.591 min Scan# 1783

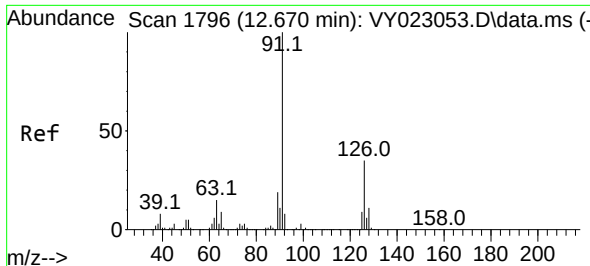
Delta R.T. 0.000 min

Lab File: VY023111.D

Acq: 15 Aug 2025 08:39

Tgt Ion:	91	Resp:	1396330
Ion Ratio	Lower	Upper	
91	100		
120	22.8	11.5	34.5





#79

2-Chlorotoluene

Concen: 52.993 ug/l

RT: 12.676 min Scan# 1796

Delta R.T. 0.006 min

Lab File: VY023111.D

Acq: 15 Aug 2025 08:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 78312

Ion Ratio Lower Upper

91 100

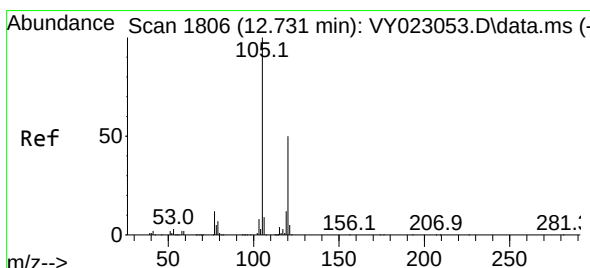
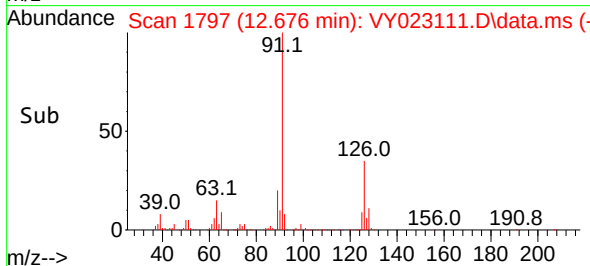
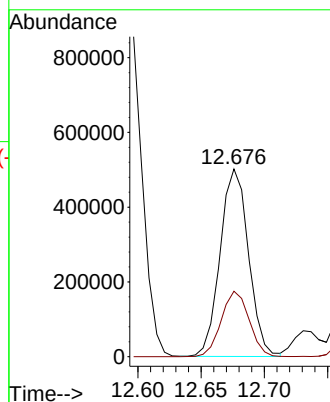
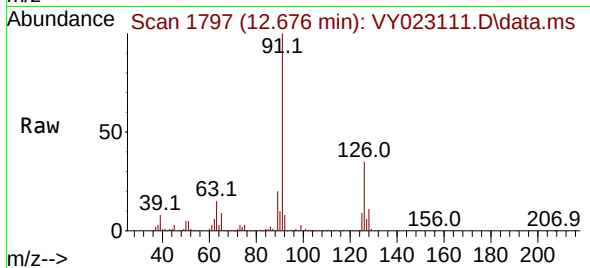
126 34.3 17.4 52.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/19/2025

Supervised By :Mahesh Dadoda 08/19/2025



#80

1,3,5-Trimethylbenzene

Concen: 53.915 ug/l

RT: 12.731 min Scan# 1806

Delta R.T. 0.000 min

Lab File: VY023111.D

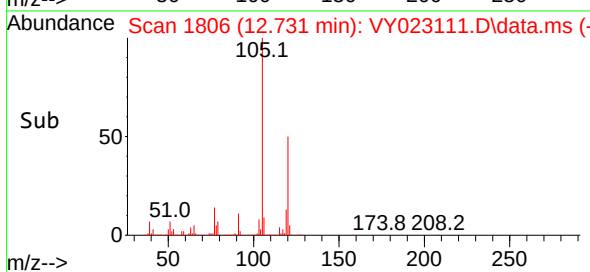
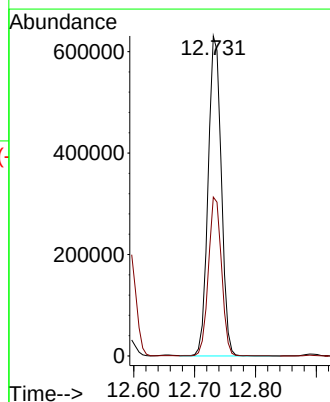
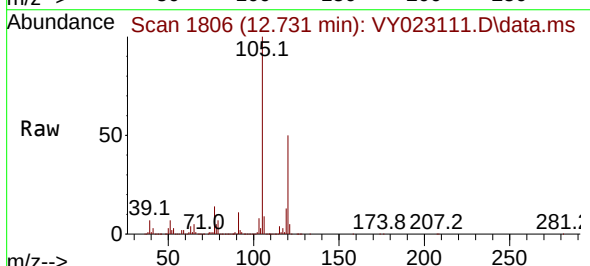
Acq: 15 Aug 2025 08:39

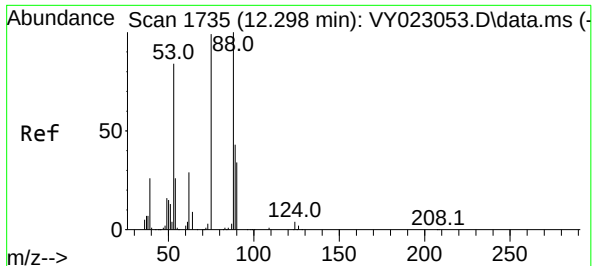
Tgt Ion:105 Resp: 943980

Ion Ratio Lower Upper

105 100

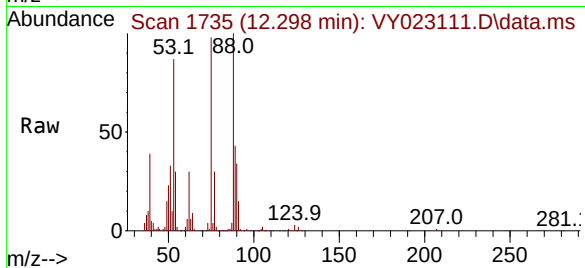
120 49.6 24.8 74.4





#81
trans-1,4-Dichloro-2-butene
Concen: 48.961 ug/l
RT: 12.298 min Scan# 1735
Delta R.T. 0.000 min
Lab File: VY023111.D
Acq: 15 Aug 2025 08:39

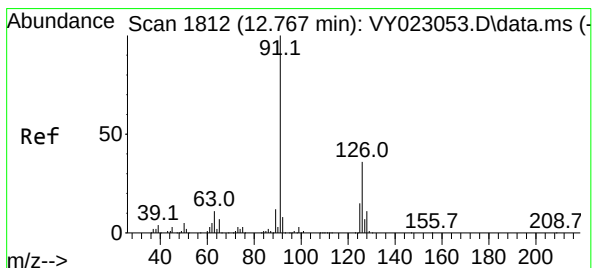
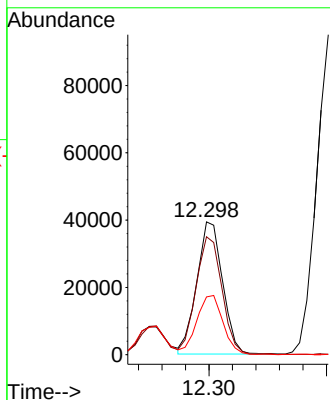
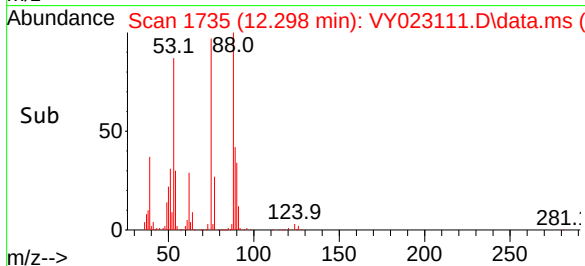
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



Tgt Ion: 75 Resp: 5991
Ion Ratio Lower Upper
75 100
53 89.0 70.8 106.2
89 45.9 38.1 57.1

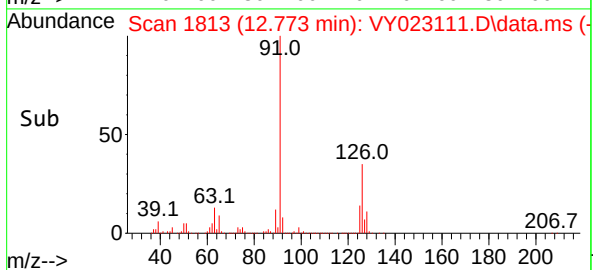
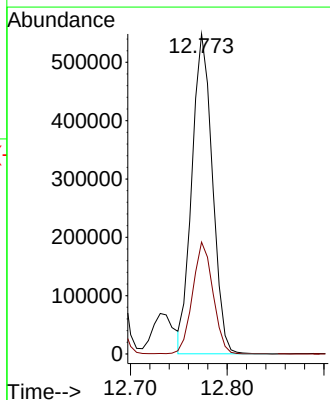
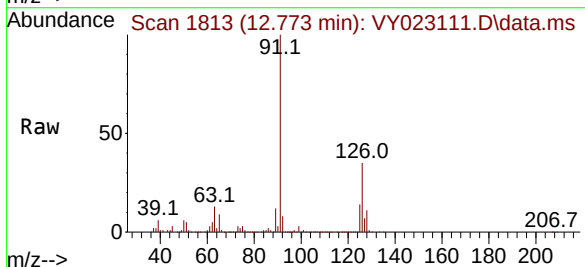
Manual Integrations
APPROVED

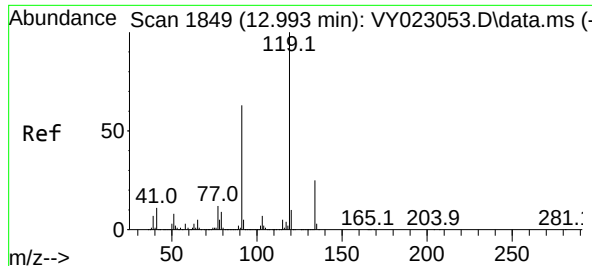
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025



#82
4-Chlorotoluene
Concen: 52.611 ug/l
RT: 12.773 min Scan# 1813
Delta R.T. 0.006 min
Lab File: VY023111.D
Acq: 15 Aug 2025 08:39

Tgt Ion: 91 Resp: 806542
Ion Ratio Lower Upper
91 100
126 34.9 17.3 52.0





#83

tert-Butylbenzene

Concen: 52.171 ug/l

RT: 12.993 min Scan# 1849

Delta R.T. 0.000 min

Lab File: VY023111.D

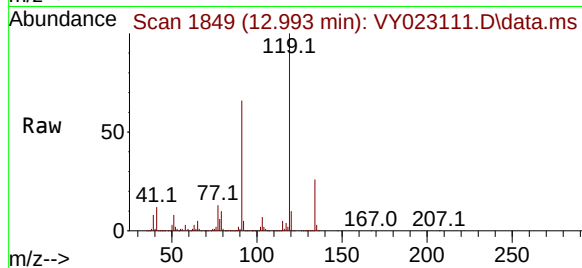
Acq: 15 Aug 2025 08:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050



Tgt Ion:119 Resp: 825000

Ion Ratio Lower Upper

119 100

91 64.4 31.6 94.8

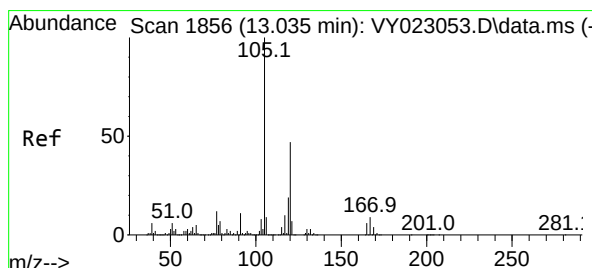
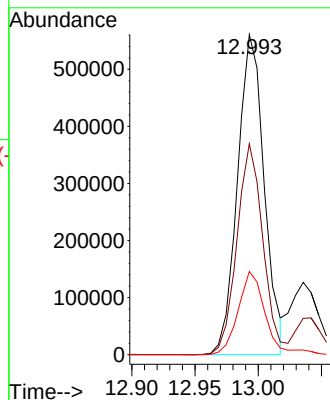
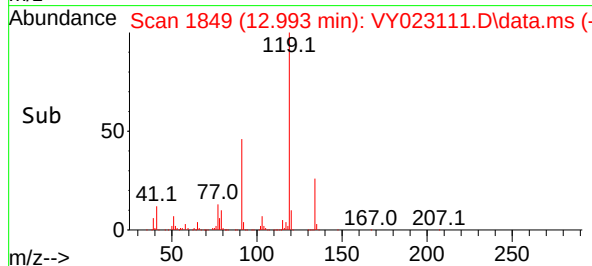
134 26.5 12.9 38.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/19/2025

Supervised By :Mahesh Dadoda 08/19/2025



#84

1,2,4-Trimethylbenzene

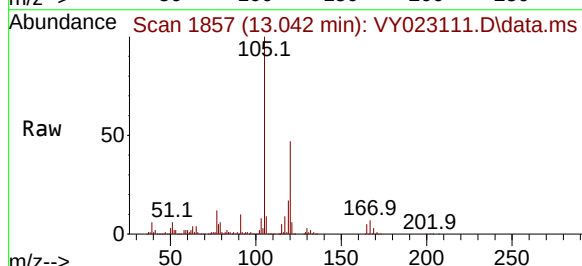
Concen: 54.277 ug/l

RT: 13.042 min Scan# 1857

Delta R.T. 0.006 min

Lab File: VY023111.D

Acq: 15 Aug 2025 08:39

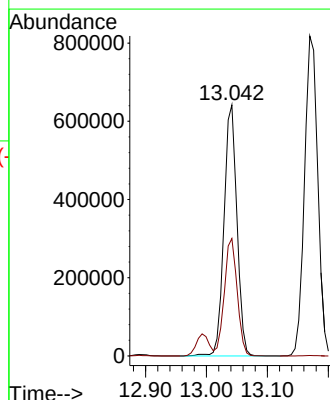
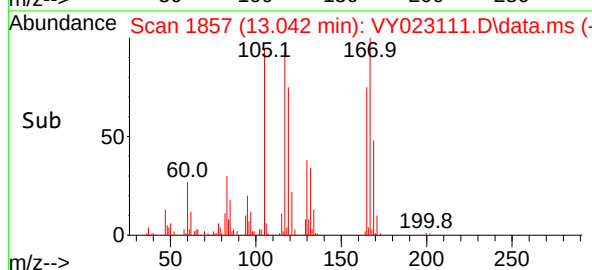


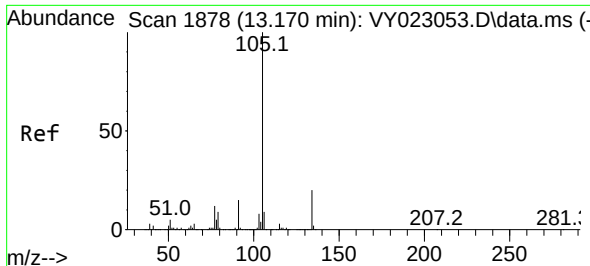
Tgt Ion:105 Resp: 946009

Ion Ratio Lower Upper

105 100

120 46.5 23.0 69.0





#85

sec-Butylbenzene

Concen: 53.143 ug/l

RT: 13.170 min Scan# 1878

Delta R.T. 0.000 min

Lab File: VY023111.D

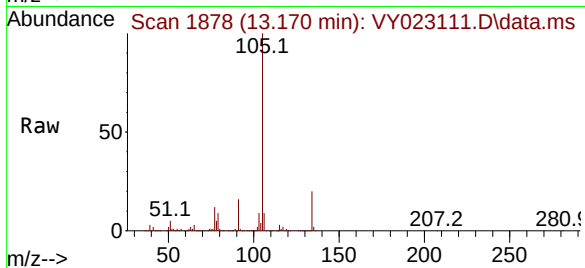
Acq: 15 Aug 2025 08:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050



Tgt Ion:105 Resp: 1234484

Ion Ratio Lower Upper

105 100

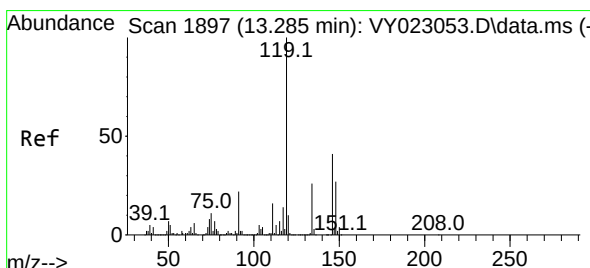
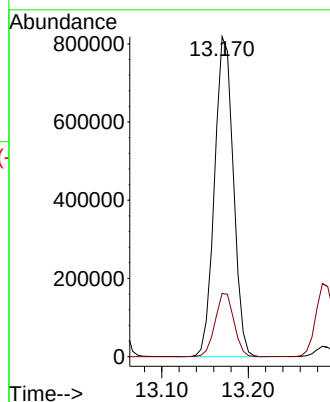
134 19.9 10.2 30.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/19/2025

Supervised By :Mahesh Dadoda 08/19/2025



#86

p-Isopropyltoluene

Concen: 54.334 ug/l

RT: 13.286 min Scan# 1897

Delta R.T. 0.000 min

Lab File: VY023111.D

Acq: 15 Aug 2025 08:39

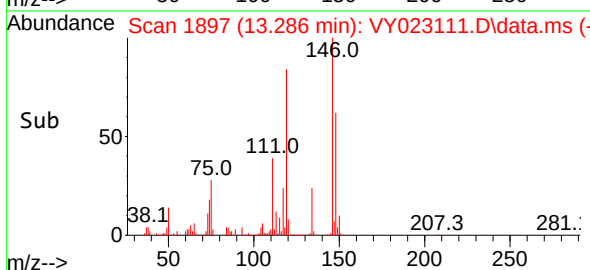
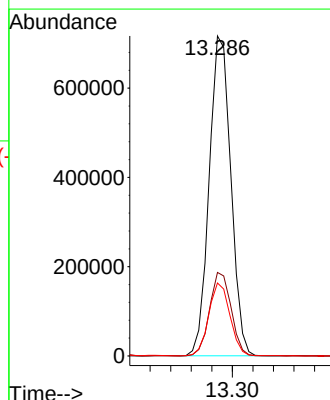
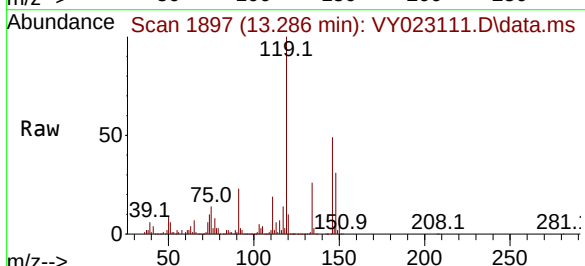
Tgt Ion:119 Resp: 1047646

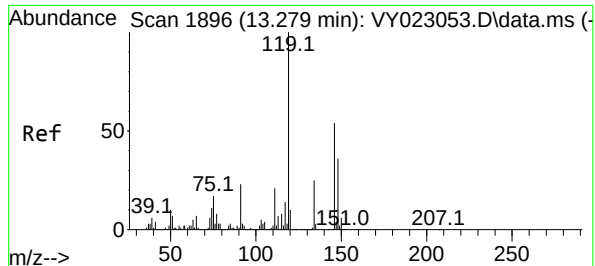
Ion Ratio Lower Upper

119 100

134 26.1 13.2 39.6

91 22.4 11.3 33.8





#87

1,3-Dichlorobenzene

Concen: 52.641 ug/l

RT: 13.286 min Scan# 1896

Delta R.T. 0.006 min

Lab File: VY023111.D

Acq: 15 Aug 2025 08:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion:146 Resp: 536529

Ion Ratio Lower Upper

146 100

111 39.3 19.6 58.7

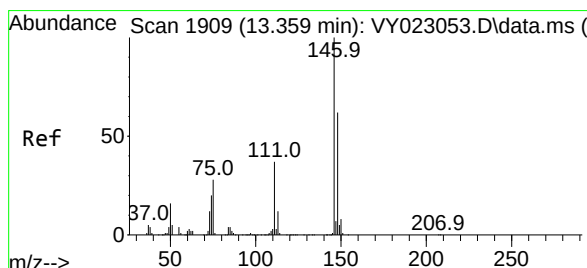
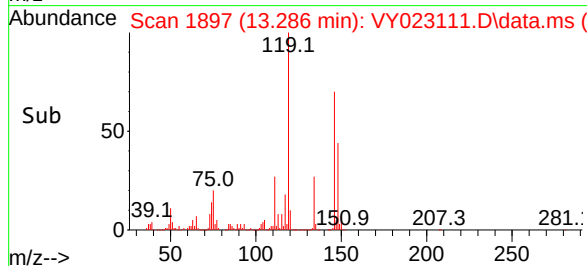
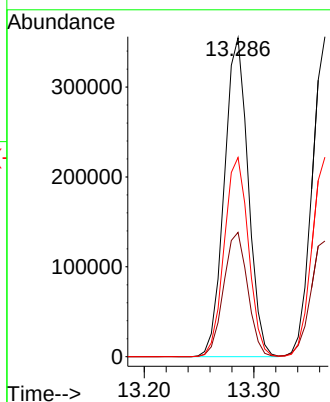
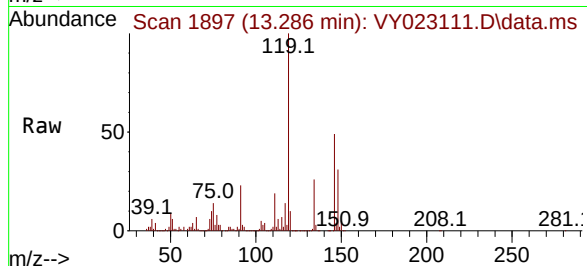
148 63.4 32.5 97.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/19/2025

Supervised By :Mahesh Dadoda 08/19/2025



#88

1,4-Dichlorobenzene

Concen: 51.501 ug/l

RT: 13.365 min Scan# 1910

Delta R.T. 0.006 min

Lab File: VY023111.D

Acq: 15 Aug 2025 08:39

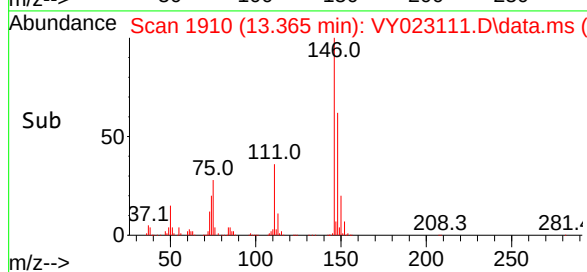
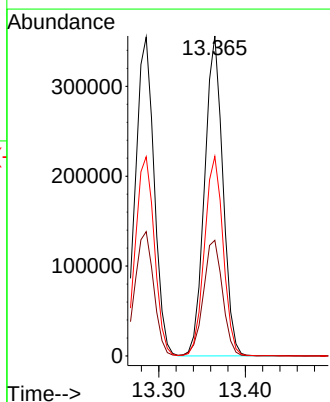
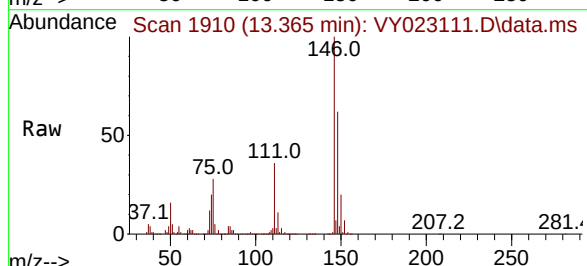
Tgt Ion:146 Resp: 520698

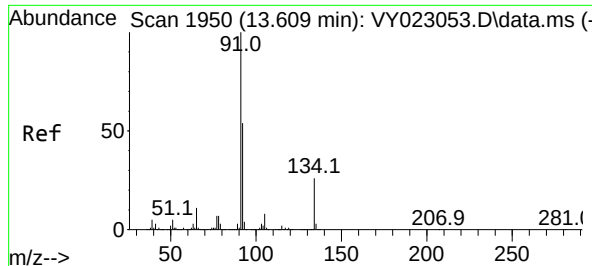
Ion Ratio Lower Upper

146 100

111 37.9 19.1 57.1

148 63.9 31.6 94.7





#89

n-Butylbenzene

Concen: 53.939 ug/l

RT: 13.615 min Scan# 1951

Delta R.T. 0.006 min

Lab File: VY023111.D

Acq: 15 Aug 2025 08:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 955218

Ion Ratio Lower Upper

91 100

92 52.4 26.9 80.7

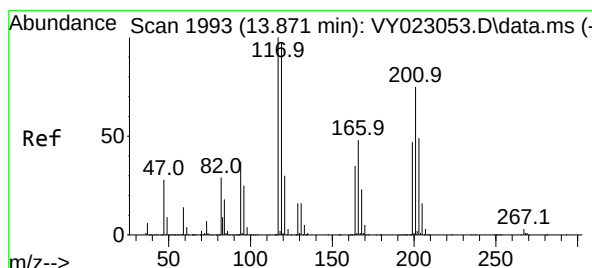
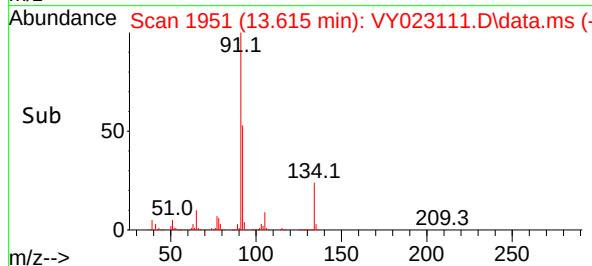
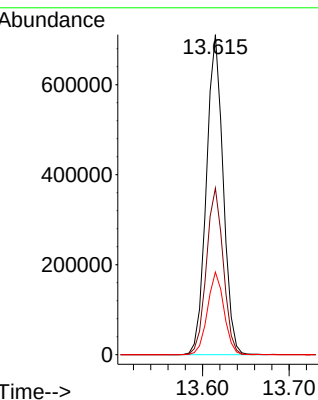
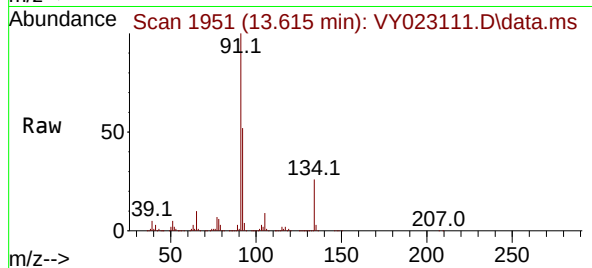
134 25.4 13.2 39.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/19/2025

Supervised By :Mahesh Dadoda 08/19/2025



#90

Hexachloroethane

Concen: 53.061 ug/l

RT: 13.877 min Scan# 1994

Delta R.T. 0.006 min

Lab File: VY023111.D

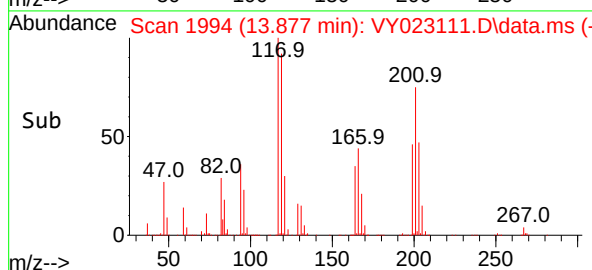
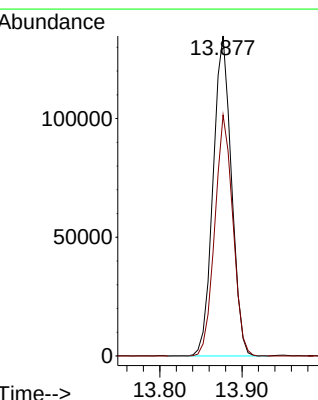
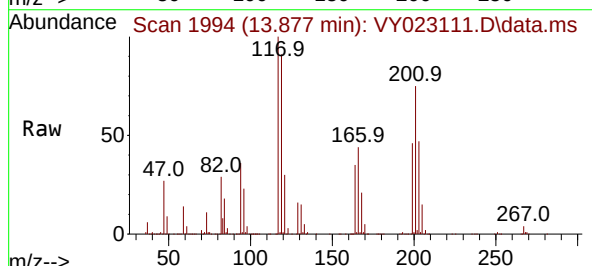
Acq: 15 Aug 2025 08:39

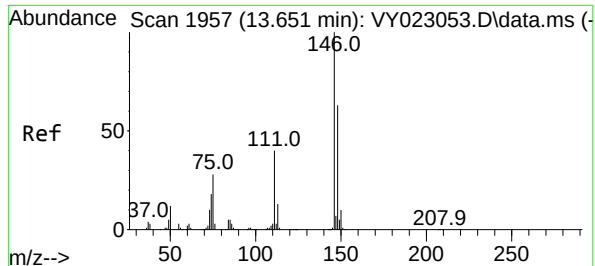
Tgt Ion:117 Resp: 209441

Ion Ratio Lower Upper

117 100

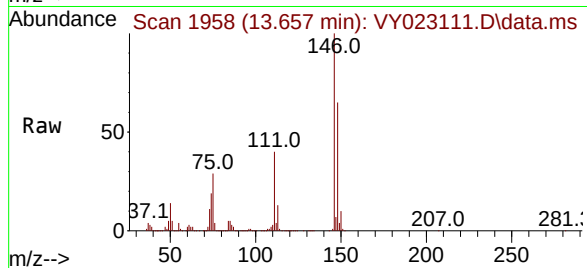
201 74.2 38.4 115.1





#91
1,2-Dichlorobenzene
Concen: 51.489 ug/l
RT: 13.657 min Scan# 1957
Delta R.T. 0.006 min
Lab File: VY023111.D
Acq: 15 Aug 2025 08:39

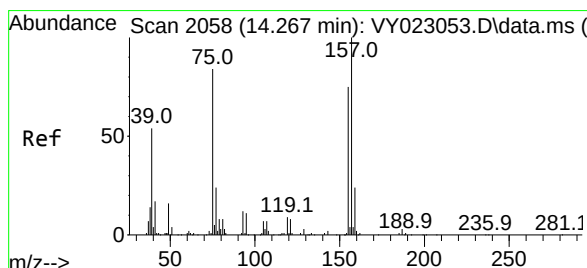
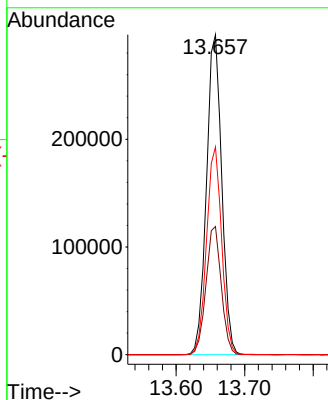
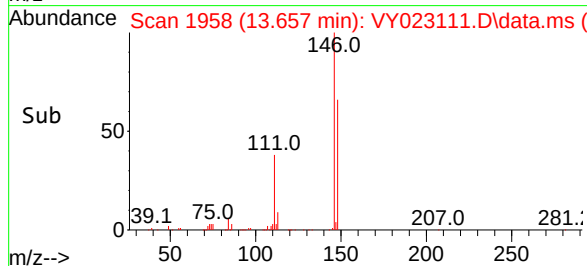
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



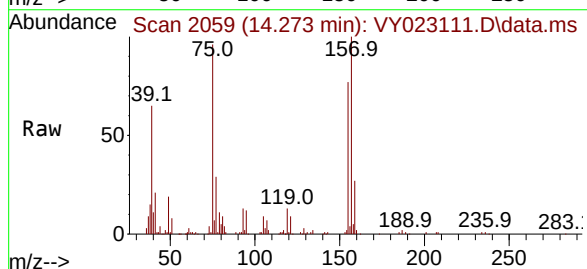
Tgt Ion:146 Resp: 460235
Ion Ratio Lower Upper
146 100
111 40.2 20.3 60.8
148 64.3 32.2 96.6

Manual Integrations
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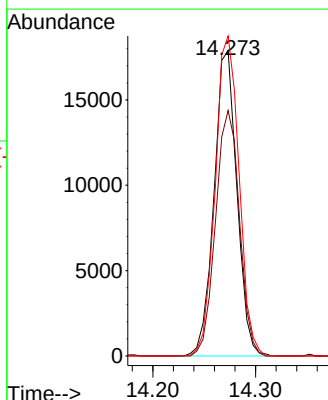
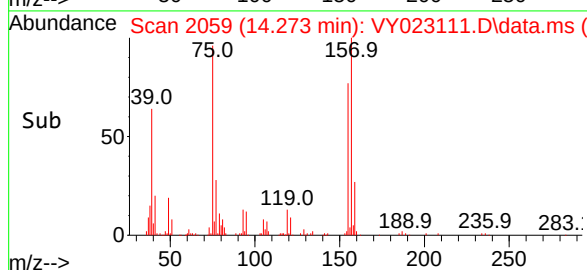
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025

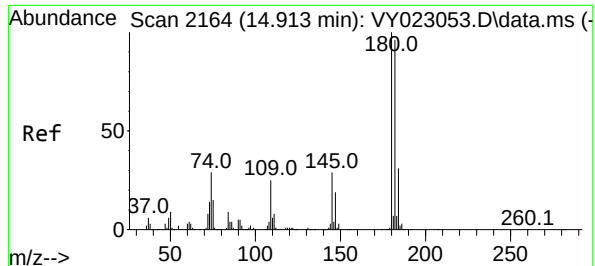


#92
1,2-Dibromo-3-Chloropropane
Concen: 47.839 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.006 min
Lab File: VY023111.D
Acq: 15 Aug 2025 08:39



Tgt Ion: 75 Resp: 27552
Ion Ratio Lower Upper
75 100
155 83.9 43.9 131.6
157 109.1 57.2 171.6





#93

1,2,4-Trichlorobenzene

Concen: 46.042 ug/l

RT: 14.919 min Scan# 2165

Delta R.T. 0.006 min

Lab File: VY023111.D

Acq: 15 Aug 2025 08:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion:180 Resp: 243370

Ion Ratio Lower Upper

180 100

182 95.7 46.8 140.4

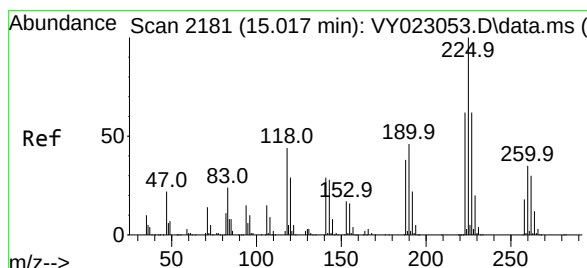
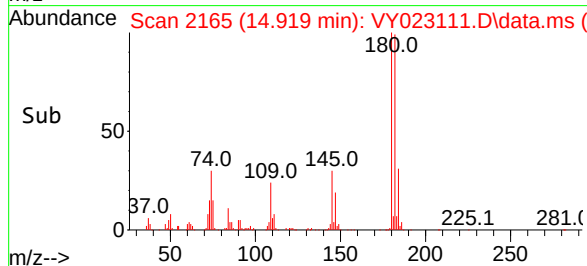
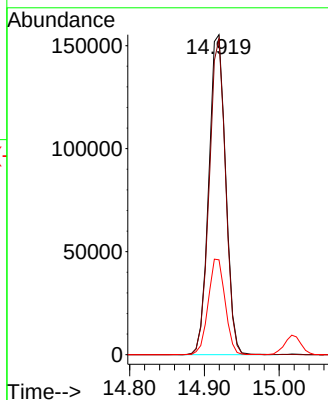
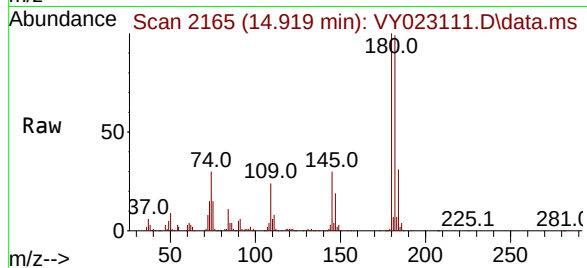
145 29.9 14.4 43.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/19/2025

Supervised By :Mahesh Dadoda 08/19/2025



#94

Hexachlorobutadiene

Concen: 46.578 ug/l

RT: 15.017 min Scan# 2181

Delta R.T. 0.000 min

Lab File: VY023111.D

Acq: 15 Aug 2025 08:39

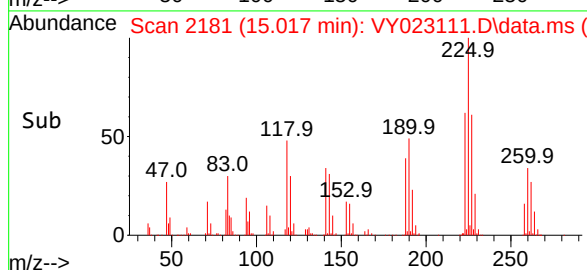
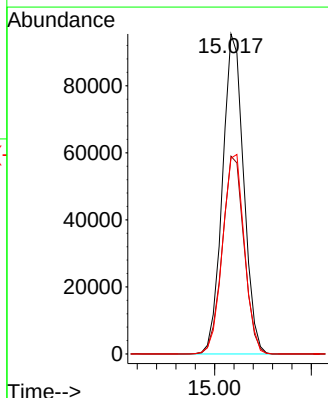
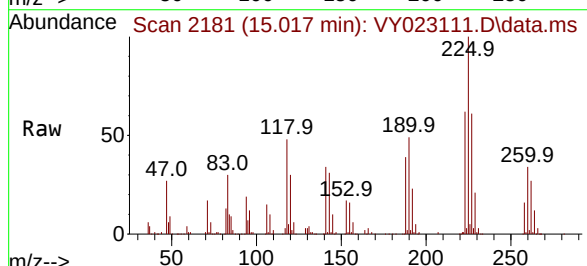
Tgt Ion:225 Resp: 144679

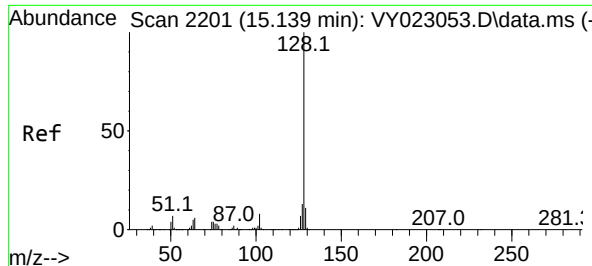
Ion Ratio Lower Upper

225 100

223 63.6 31.3 93.8

227 64.2 31.5 94.5





#95

Naphthalene

Concen: 45.340 ug/l

RT: 15.139 min Scan# 2201

Delta R.T. 0.000 min

Lab File: VY023111.D

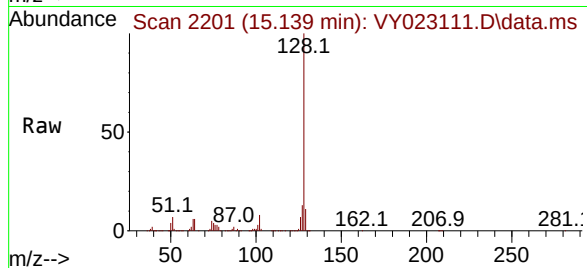
Acq: 15 Aug 2025 08:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050



Tgt Ion:128 Resp: 40867

Ion Ratio Lower Upper

128 100

127 13.0 10.4 15.6

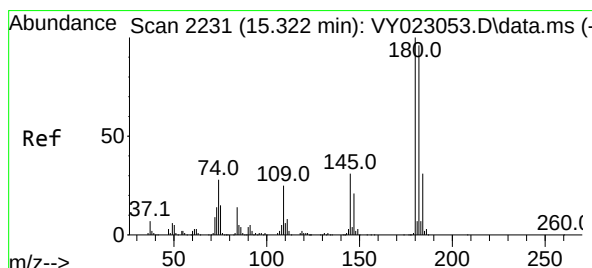
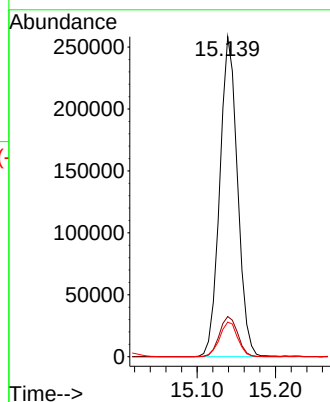
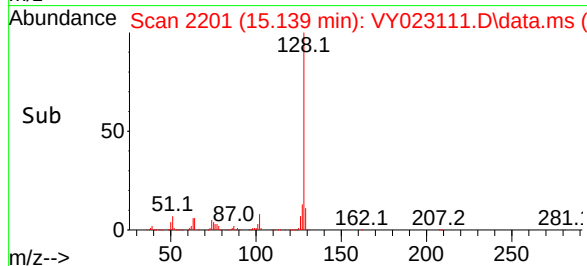
129 11.0 9.0 13.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/19/2025

Supervised By :Mahesh Dadoda 08/19/2025



#96

1,2,3-Trichlorobenzene

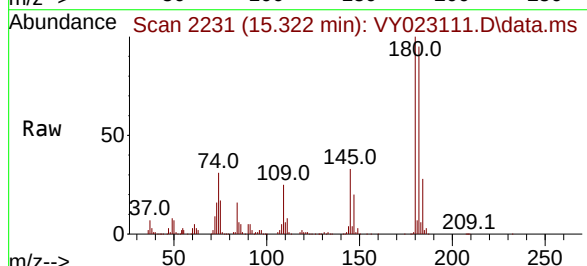
Concen: 45.784 ug/l

RT: 15.322 min Scan# 2231

Delta R.T. 0.000 min

Lab File: VY023111.D

Acq: 15 Aug 2025 08:39



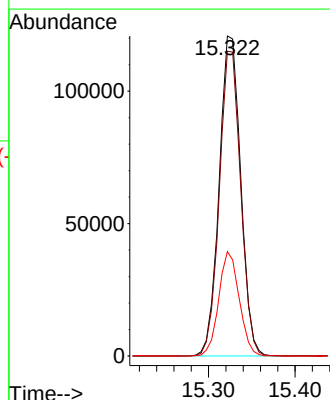
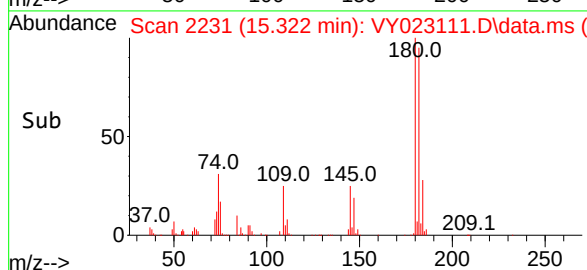
Tgt Ion:180 Resp: 208542

Ion Ratio Lower Upper

180 100

182 94.3 47.9 143.7

145 31.0 15.9 47.7



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081525\
Data File : VY023111.D
Acq On : 15 Aug 2025 08:39
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Aug 18 02:22:29 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	1.000	1.000	0.0	82	0.00
2 T	Dichlorodifluoromethane	0.408	0.332	18.6	78	0.00
3 P	Chloromethane	0.661	0.651	1.5	88	0.00
4 C	Vinyl Chloride	0.817	0.876	-7.2#	94	0.00
5 T	Bromomethane	0.610	0.659	-8.0	100	0.00
6 T	Chloroethane	0.543	0.599	-10.3	96	0.00
7 T	Trichlorofluoromethane	0.994	0.982	1.2	86	0.00
8 T	Diethyl Ether	0.263	0.246	6.5	81	0.01
9 T	1,1,2-Trichlorotrifluoroeth	0.490	0.484	1.2	86	0.00
10 T	Methyl Iodide	0.529	0.566	-7.0	85	0.00
11 T	Tert butyl alcohol	0.033	0.027	18.2	69	0.00
12 CM	1,1-Dichloroethene	0.482	0.471	2.3#	84	0.01
13 T	Acrolein	0.048	0.030	37.5#	55	0.00
14 T	Allyl chloride	0.709	0.689	2.8	83	0.00
15 T	Acrylonitrile	0.107	0.102	4.7	79	0.01
16 T	Acetone	0.103	0.116	-12.6	92	0.00
17 T	Carbon Disulfide	1.571	1.520	3.2	84	0.00
18 T	Methyl Acetate	0.307	0.297	3.3	76	0.00
19 T	Methyl tert-butyl Ether	1.249	1.209	3.2	80	0.00
20 T	Methylene Chloride	0.620	0.543	12.4	88	0.00
21 T	trans-1,2-Dichloroethene	0.541	0.549	-1.5	86	0.00
22 T	Diisopropyl ether	1.541	1.570	-1.9	85	0.00
23 T	Vinyl Acetate	0.852	0.838	1.6	82	0.00
24 P	1,1-Dichloroethane	0.942	0.968	-2.8	87	0.00
25 T	2-Butanone	0.140	0.143	-2.1	83	0.00
26 T	2,2-Dichloropropane	0.813	0.854	-5.0	89	0.00
27 T	cis-1,2-Dichloroethene	0.626	0.643	-2.7	87	0.00
28 T	Bromochloromethane	0.374	0.395	-5.6	89	0.00
29 T	Tetrahydrofuran	0.087	0.083	4.6	78	0.00
30 C	Chloroform	0.971	1.017	-4.7#	89	0.00
31 T	Cyclohexane	0.888	0.845	4.8	85	0.00
32 T	1,1,1-Trichloroethane	0.862	0.888	-3.0	87	0.00
33 S	1,2-Dichloroethane-d4	0.477	0.480	-0.6	86	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	81	0.00
35 S	Dibromofluoromethane	0.299	0.309	-3.3	86	0.00
36 T	1,1-Dichloropropene	0.445	0.456	-2.5	86	0.00
37 T	Ethyl Acetate	0.187	0.180	3.7	78	0.00
38 T	Carbon Tetrachloride	0.483	0.506	-4.8	88	0.00
39 T	Methylcyclohexane	0.586	0.583	0.5	84	0.00
40 TM	Benzene	1.370	1.455	-6.2	89	0.00
41 T	Methacrylonitrile	0.108	0.112	-3.7	83	0.00
42 TM	1,2-Dichloroethane	0.356	0.372	-4.5	87	0.00
43 T	Isopropyl Acetate	0.378	0.360	4.8	78	0.00
44 TM	Trichloroethene	0.354	0.366	-3.4	87	0.00
45 C	1,2-Dichloropropane	0.315	0.335	-6.3#	88	0.00
46 T	Dibromomethane	0.181	0.189	-4.4	86	0.00
47 T	Bromodichloromethane	0.466	0.496	-6.4	88	0.00
48 T	Methyl methacrylate	0.181	0.175	3.3	76	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081525\
Data File : VY023111.D
Acq On : 15 Aug 2025 08:39
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Aug 18 02:22:29 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	1,4-Dioxane	0.002	0.002	0.0	77	0.00
50 S	Toluene-d8	1.169	1.206	-3.2	86	0.00
51 T	4-Methyl-2-Pentanone	0.195	0.194	0.5	79	0.00
52 CM	Toluene	0.870	0.928	-6.7#	88	0.00
53 T	t-1,3-Dichloropropene	0.422	0.434	-2.8	84	0.00
54 T	cis-1,3-Dichloropropene	0.499	0.523	-4.8	86	0.00
55 T	1,1,2-Trichloroethane	0.242	0.252	-4.1	86	0.00
56 T	Ethyl methacrylate	0.310	0.307	1.0	78	0.00
57 T	1,3-Dichloropropane	0.411	0.422	-2.7	85	0.00
58 T	2-Chloroethyl Vinyl ether	0.146	0.153	-4.8	80	0.00
59 T	2-Hexanone	0.133	0.135	-1.5	81	0.00
60 T	Dibromochloromethane	0.320	0.332	-3.8	85	0.00
61 T	1,2-Dibromoethane	0.228	0.230	-0.9	83	0.00
62 S	4-Bromofluorobenzene	0.376	0.376	0.0	83	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	81	0.00
64 T	Tetrachloroethene	0.446	0.469	-5.2	87	0.00
65 PM	Chlorobenzene	1.079	1.142	-5.8	87	0.00
66 T	1,1,1,2-Tetrachloroethane	0.366	0.394	-7.7	88	0.00
67 C	Ethyl Benzene	1.856	2.009	-8.2#	87	0.00
68 T	m/p-Xylenes	0.725	0.785	-8.3	88	0.00
69 T	o-Xylene	0.679	0.736	-8.4	87	0.00
70 T	Styrene	1.110	1.238	-11.5	89	0.00
71 P	Bromoform	0.214	0.212	0.9	80	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	81	0.00
73 T	Isopropylbenzene	3.529	3.734	-5.8	87	0.00
74 T	N-amyl acetate	0.748	0.737	1.5	78	0.00
75 P	1,1,2,2-Tetrachloroethane	0.603	0.595	1.3	83	0.00
76 T	1,2,3-Trichloropropane	0.483	0.494	-2.3	75	0.00
77 T	Bromobenzene	0.842	0.856	-1.7	84	0.00
78 T	n-propylbenzene	4.201	4.549	-8.3	88	0.00
79 T	2-Chlorotoluene	2.407	2.551	-6.0	87	0.00
80 T	1,3,5-Trimethylbenzene	2.852	3.075	-7.8	87	0.00
81 T	trans-1,4-Dichloro-2-butene	0.199	0.195	2.0	80	0.00
82 T	4-Chlorotoluene	2.497	2.628	-5.2	87	0.00
83 T	tert-Butylbenzene	2.576	2.688	-4.3	84	0.00
84 T	1,2,4-Trimethylbenzene	2.839	3.082	-8.6	88	0.00
85 T	sec-Butylbenzene	3.784	4.022	-6.3	87	0.00
86 T	p-Isopropyltoluene	3.141	3.413	-8.7	88	0.00
87 T	1,3-Dichlorobenzene	1.660	1.748	-5.3	88	0.00
88 T	1,4-Dichlorobenzene	1.647	1.696	-3.0	86	0.00
89 T	n-Butylbenzene	2.885	3.112	-7.9	87	0.00
90 T	Hexachloroethane	0.643	0.682	-6.1	88	0.00
91 T	1,2-Dichlorobenzene	1.456	1.499	-3.0	86	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.094	0.090	4.3	77	0.00
93 T	1,2,4-Trichlorobenzene	0.861	0.793	7.9	76	0.00
94 T	Hexachlorobutadiene	0.506	0.471	6.9	78	0.00
95 T	Naphthalene	1.468	1.331	9.3	73	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081525\
Data File : VY023111.D
Acq On : 15 Aug 2025 08:39
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Aug 18 02:22:29 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.742	0.679	8.5	77	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081525\
Data File : VY023111.D
Acq On : 15 Aug 2025 08:39
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Aug 18 02:22:29 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	50.000	50.000	0.0	82	0.00
2 T	Dichlorodifluoromethane	50.000	40.637	18.7	78	0.00
3 P	Chloromethane	50.000	49.235	1.5	88	0.00
4 C	Vinyl Chloride	50.000	53.584	-7.2#	94	0.00
5 T	Bromomethane	50.000	53.970	-7.9	100	0.00
6 T	Chloroethane	50.000	55.172	-10.3	96	0.00
7 T	Trichlorofluoromethane	50.000	49.413	1.2	86	0.00
8 T	Diethyl Ether	50.000	46.730	6.5	81	0.01
9 T	1,1,2-Trichlorotrifluoroeth	50.000	49.394	1.2	86	0.00
10 T	Methyl Iodide	50.000	53.482	-7.0	85	0.00
11 T	Tert butyl alcohol	250.000	204.058	18.4	69	0.00
12 CM	1,1-Dichloroethene	50.000	48.899	2.2#	84	0.01
13 T	Acrolein	250.000	158.141	36.7#	55	0.00
14 T	Allyl chloride	50.000	48.583	2.8	83	0.00
15 T	Acrylonitrile	250.000	238.524	4.6	79	0.01
16 T	Acetone	250.000	280.645	-12.3	92	0.00
17 T	Carbon Disulfide	50.000	48.375	3.3	84	0.00
18 T	Methyl Acetate	50.000	48.336	3.3	76	0.00
19 T	Methyl tert-butyl Ether	50.000	48.411	3.2	80	0.00
20 T	Methylene Chloride	50.000	50.654	-1.3	88	0.00
21 T	trans-1,2-Dichloroethene	50.000	50.676	-1.4	86	0.00
22 T	Diisopropyl ether	50.000	50.954	-1.9	85	0.00
23 T	Vinyl Acetate	250.000	245.935	1.6	82	0.00
24 P	1,1-Dichloroethane	50.000	51.394	-2.8	87	0.00
25 T	2-Butanone	250.000	253.961	-1.6	83	0.00
26 T	2,2-Dichloropropane	50.000	52.538	-5.1	89	0.00
27 T	cis-1,2-Dichloroethene	50.000	51.356	-2.7	87	0.00
28 T	Bromochloromethane	50.000	52.898	-5.8	89	0.00
29 T	Tetrahydrofuran	250.000	237.044	5.2	78	0.00
30 C	Chloroform	50.000	52.336	-4.7#	89	0.00
31 T	Cyclohexane	50.000	47.613	4.8	85	0.00
32 T	1,1,1-Trichloroethane	50.000	51.507	-3.0	87	0.00
33 S	1,2-Dichloroethane-d4	50.000	50.349	-0.7	86	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	81	0.00
35 S	Dibromofluoromethane	50.000	51.722	-3.4	86	0.00
36 T	1,1-Dichloropropene	50.000	51.245	-2.5	86	0.00
37 T	Ethyl Acetate	50.000	48.201	3.6	78	0.00
38 T	Carbon Tetrachloride	50.000	52.395	-4.8	88	0.00
39 T	Methylcyclohexane	50.000	49.756	0.5	84	0.00
40 TM	Benzene	50.000	53.099	-6.2	89	0.00
41 T	Methacrylonitrile	50.000	51.807	-3.6	83	0.00
42 TM	1,2-Dichloroethane	50.000	52.122	-4.2	87	0.00
43 T	Isopropyl Acetate	50.000	47.653	4.7	78	0.00
44 TM	Trichloroethene	50.000	51.680	-3.4	87	0.00
45 C	1,2-Dichloropropane	50.000	53.160	-6.3#	88	0.00
46 T	Dibromomethane	50.000	52.280	-4.6	86	0.00
47 T	Bromodichloromethane	50.000	53.260	-6.5	88	0.00
48 T	Methyl methacrylate	50.000	48.387	3.2	76	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081525\
Data File : VY023111.D
Acq On : 15 Aug 2025 08:39
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Aug 18 02:22:29 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49 T	1,4-Dioxane	1000.000	949.382	5.1	77	0.00
50 S	Toluene-d8	50.000	51.612	-3.2	86	0.00
51 T	4-Methyl-2-Pentanone	250.000	248.424	0.6	79	0.00
52 CM	Toluene	50.000	53.288	-6.6#	88	0.00
53 T	t-1,3-Dichloropropene	50.000	51.512	-3.0	84	0.00
54 T	cis-1,3-Dichloropropene	50.000	52.418	-4.8	86	0.00
55 T	1,1,2-Trichloroethane	50.000	51.936	-3.9	86	0.00
56 T	Ethyl methacrylate	50.000	49.477	1.0	78	0.00
57 T	1,3-Dichloropropane	50.000	51.352	-2.7	85	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	260.887	-4.4	80	0.00
59 T	2-Hexanone	250.000	255.032	-2.0	81	0.00
60 T	Dibromochloromethane	50.000	51.895	-3.8	85	0.00
61 T	1,2-Dibromoethane	50.000	50.454	-0.9	83	0.00
62 S	4-Bromofluorobenzene	50.000	50.079	-0.2	83	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	81	0.00
64 T	Tetrachloroethene	50.000	52.484	-5.0	87	0.00
65 PM	Chlorobenzene	50.000	52.949	-5.9	87	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	53.813	-7.6	88	0.00
67 C	Ethyl Benzene	50.000	54.111	-8.2#	87	0.00
68 T	m/p-Xylenes	100.000	108.283	-8.3	88	0.00
69 T	o-Xylene	50.000	54.193	-8.4	87	0.00
70 T	Styrene	50.000	55.770	-11.5	89	0.00
71 P	Bromoform	50.000	49.544	0.9	80	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	81	0.00
73 T	Isopropylbenzene	50.000	52.906	-5.8	87	0.00
74 T	N-amyl acetate	50.000	49.257	1.5	78	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	49.405	1.2	83	0.00
76 T	1,2,3-Trichloropropane	50.000	51.159	-2.3	75	0.00
77 T	Bromobenzene	50.000	50.833	-1.7	84	0.00
78 T	n-propylbenzene	50.000	54.137	-8.3	88	0.00
79 T	2-Chlorotoluene	50.000	52.993	-6.0	87	0.00
80 T	1,3,5-Trimethylbenzene	50.000	53.915	-7.8	87	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	48.961	2.1	80	0.00
82 T	4-Chlorotoluene	50.000	52.611	-5.2	87	0.00
83 T	tert-Butylbenzene	50.000	52.171	-4.3	84	0.00
84 T	1,2,4-Trimethylbenzene	50.000	54.277	-8.6	88	0.00
85 T	sec-Butylbenzene	50.000	53.143	-6.3	87	0.00
86 T	p-Isopropyltoluene	50.000	54.334	-8.7	88	0.00
87 T	1,3-Dichlorobenzene	50.000	52.641	-5.3	88	0.00
88 T	1,4-Dichlorobenzene	50.000	51.501	-3.0	86	0.00
89 T	n-Butylbenzene	50.000	53.939	-7.9	87	0.00
90 T	Hexachloroethane	50.000	53.061	-6.1	88	0.00
91 T	1,2-Dichlorobenzene	50.000	51.489	-3.0	86	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	47.839	4.3	77	0.00
93 T	1,2,4-Trichlorobenzene	50.000	46.042	7.9	76	0.00
94 T	Hexachlorobutadiene	50.000	46.578	6.8	78	0.00
95 T	Naphthalene	50.000	45.340	9.3	73	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081525\
Data File : VY023111.D
Acq On : 15 Aug 2025 08:39
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Aug 18 02:22:29 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	45.784	8.4	77	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6



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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>FIRS02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q2820</u>
Instrument ID:	<u>MSVOA_Y</u>	Calibration Date/Time:	<u>08/15/2025 19:06</u>
Lab File ID:	<u>VY023135.D</u>	Init. Calib. Date(s):	<u>08/12/2025 08/12/2025</u>
Heated Purge: (Y/N)	<u>Y</u>	Init. Calib. Time(s):	<u>14:54 16:47</u>
GC Column:	<u>RXI-624</u>	ID:	<u>0.25</u> (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.408	0.283		-30.64	50
Chloromethane	0.661	0.600	0.1	-9.23	50
Vinyl Chloride	0.817	0.803		-1.71	50
Bromomethane	0.610	0.629		3.12	50
Chloroethane	0.543	0.561		3.32	50
Trichlorofluoromethane	0.994	0.921		-7.34	50
1,1,2-Trichlorotrifluoroethane	0.490	0.419		-14.49	50
1,1-Dichloroethene	0.482	0.436		-9.54	50
Acetone	0.103	0.070		-32.04	50
Carbon Disulfide	1.571	1.390		-11.52	50
Methyl tert-butyl Ether	1.249	1.158		-7.29	50
Methyl Acetate	0.307	0.360		17.26	50
Methylene Chloride	0.620	0.514		-17.1	50
trans-1,2-Dichloroethene	0.541	0.520		-3.88	50
1,1-Dichloroethane	0.942	0.897	0.1	-4.78	50
Cyclohexane	0.888	0.737		-17	50
2-Butanone	0.140	0.112		-20	50
Carbon Tetrachloride	0.483	0.436		-9.73	50
cis-1,2-Dichloroethene	0.626	0.606		-3.19	50
Bromochloromethane	0.374	0.371		-0.8	50
Chloroform	0.971	0.951		-2.06	50
1,1,1-Trichloroethane	0.862	0.822		-4.64	50
Methylcyclohexane	0.586	0.498		-15.02	50
Benzene	1.370	1.275		-6.93	50
1,2-Dichloroethane	0.356	0.326		-8.43	50
Trichloroethene	0.354	0.337		-4.8	50
1,2-Dichloropropane	0.315	0.294		-6.67	50
Bromodichloromethane	0.466	0.433		-7.08	50
4-Methyl-2-Pentanone	0.195	0.171		-12.31	50
Toluene	0.870	0.823		-5.4	50
t-1,3-Dichloropropene	0.422	0.382		-9.48	50
cis-1,3-Dichloropropene	0.499	0.452		-9.42	50
1,1,2-Trichloroethane	0.242	0.220		-9.09	50
2-Hexanone	0.133	0.112		-15.79	50
Dibromochloromethane	0.320	0.294		-8.13	50
1,2-Dibromoethane	0.228	0.206		-9.65	50
Tetrachloroethene	0.446	0.465		4.26	50
Chlorobenzene	1.079	1.000	0.3	-7.32	50

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



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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: FIRS02
 Lab Code: ACE SDG No.: Q2820
 Instrument ID: MSVOA_Y Calibration Date/Time: 08/15/2025 19:06
 Lab File ID: VY023135.D Init. Calib. Date(s): 08/12/2025 08/12/2025
 Heated Purge: (Y/N) Y Init. Calib. Time(s): 14:54 16:47
 GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.856	1.755		-5.44	50
m/p-Xylenes	0.725	0.686		-5.38	50
o-Xylene	0.679	0.643		-5.3	50
Styrene	1.110	1.082		-2.52	50
Bromoform	0.214	0.184	0.1	-14.02	50
Isopropylbenzene	3.529	3.263		-7.54	50
1,1,2,2-Tetrachloroethane	0.603	0.459	0.3	-23.88	50
1,3-Dichlorobenzene	1.660	1.509		-9.1	50
1,4-Dichlorobenzene	1.647	1.477		-10.32	50
1,2-Dichlorobenzene	1.456	1.320		-9.34	50
1,2-Dibromo-3-Chloropropane	0.094	0.079		-15.96	50
1,2,4-Trichlorobenzene	0.861	0.722		-16.14	50
1,2,3-Trichlorobenzene	0.742	0.627		-15.5	50
1,2-Dichloroethane-d4	0.477	0.487		2.1	50
Dibromofluoromethane	0.299	0.290		-3.01	50
Toluene-d8	1.169	1.163		-0.51	50
4-Bromofluorobenzene	0.376	0.370		-1.6	50

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081525\
 Data File : VY023135.D
 Acq On : 15 Aug 2025 19:06
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Aug 18 02:33:49 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 13 02:10:11 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 08/19/2025
 Supervised By :Mahesh Dadoda 08/19/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	430308	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	718703	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	640791	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	327055	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	209678	51.127	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.260%			
35) Dibromofluoromethane	7.628	113	208578	48.501	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 97.000%			
50) Toluene-d8	10.103	98	835617	49.738	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.480%			
62) 4-Bromofluorobenzene	12.402	95	266231	49.275	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 98.560%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.861	85	121628	34.628	ug/l	99
3) Chloromethane	2.068	50	257975	45.346	ug/l	97
4) Vinyl Chloride	2.202	62	345536	49.135	ug/l	99
5) Bromomethane	2.592	94	270785	51.559	ug/l	100
6) Chloroethane	2.733	64	241433	51.640	ug/l	99
7) Trichlorofluoromethane	3.050	101	396172	46.330	ug/l	97
8) Diethyl Ether	3.452	74	102249	45.197	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.806	101	180286	42.736	ug/l	99
10) Methyl Iodide	4.001	142	223871	49.178	ug/l	98
11) Tert butyl alcohol	4.854	59	58084	206.701	ug/l	98
12) 1,1-Dichloroethene	3.781	96	187457	45.207	ug/l	96
13) Acrolein	3.653	56	58421	141.959	ug/l	98
14) Allyl chloride	4.379	41	274900	45.054	ug/l	98
15) Acrylonitrile	5.055	53	207991	226.140	ug/l	99
16) Acetone	3.866	43	150363	169.235	ug/l	99
17) Carbon Disulfide	4.098	76	597944	44.225	ug/l	99
18) Methyl Acetate	4.385	43	154996	58.622	ug/l	99
19) Methyl tert-butyl Ether	5.110	73	498217	46.367	ug/l	100
20) Methylene Chloride	4.610	84	221392	47.835	ug/l	98
21) trans-1,2-Dichloroethene	5.110	96	223573	47.978	ug/l	95
22) Diisopropyl ether	6.019	45	632885	47.734	ug/l	98
23) Vinyl Acetate	5.958	43	1530852	208.809	ug/l	100
24) 1,1-Dichloroethane	5.909	63	385922	47.608	ug/l	99
25) 2-Butanone	6.890	43	242030	200.293	ug/l	97
26) 2,2-Dichloropropane	6.884	77	296658	42.412	ug/l	98
27) cis-1,2-Dichloroethene	6.884	96	260875	48.425	ug/l	98
28) Bromochloromethane	7.244	49	159803	49.690	ug/l	99
29) Tetrahydrofuran	7.262	42	164833	220.064	ug/l	99
30) Chloroform	7.421	83	409239	48.951	ug/l	96
31) Cyclohexane	7.701	56	317051	41.505	ug/l	99
32) 1,1,1-Trichloroethane	7.610	97	353516	47.657	ug/l	98
36) 1,1-Dichloropropene	7.829	75	286083	44.762	ug/l	99
37) Ethyl Acetate	6.982	43	113967	42.450	ug/l	99
38) Carbon Tetrachloride	7.817	117	313598	45.177	ug/l	97
39) Methylcyclohexane	9.109	83	357877	42.522	ug/l	96
40) Benzene	8.073	78	916243	46.514	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081525\
 Data File : VY023135.D
 Acq On : 15 Aug 2025 19:06
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Aug 18 02:33:49 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 13 02:10:11 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 08/19/2025
 Supervised By : Mahesh Dadoda 08/19/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	64946	41.916	ug/l	96
42) 1,2-Dichloroethane	8.152	62	234175	45.709	ug/l	98
43) Isopropyl Acetate	8.195	43	235882	43.470	ug/l	100
44) Trichloroethene	8.860	130	241977	47.535	ug/l	97
45) 1,2-Dichloropropane	9.140	63	211470	46.657	ug/l	100
46) Dibromomethane	9.225	93	119663	45.999	ug/l	98
47) Bromodichloromethane	9.420	83	310859	46.439	ug/l	98
48) Methyl methacrylate	9.219	41	117614	45.295	ug/l	98
49) 1,4-Dioxane	9.225	88	27514	902.014	ug/l	92
51) 4-Methyl-2-Pentanone	9.993	43	615423	219.870	ug/l	100
52) Toluene	10.164	92	591580	47.285	ug/l	98
53) t-1,3-Dichloropropene	10.390	75	274370	45.264	ug/l	97
54) cis-1,3-Dichloropropene	9.853	75	325037	45.347	ug/l	100
55) 1,1,2-Trichloroethane	10.567	97	157893	45.358	ug/l	97
56) Ethyl methacrylate	10.438	69	201789	45.302	ug/l	98
57) 1,3-Dichloropropane	10.713	76	269094	45.582	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.707	63	520841	247.890	ug/l	99
59) 2-Hexanone	10.756	43	403176	211.536	ug/l	100
60) Dibromochloromethane	10.908	129	211553	46.058	ug/l	100
61) 1,2-Dibromoethane	11.012	107	148382	45.352	ug/l	99
64) Tetrachloroethene	10.646	164	297964	52.075	ug/l	98
65) Chlorobenzene	11.438	112	640496	46.339	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.511	131	219895	46.876	ug/l	99
67) Ethyl Benzene	11.511	91	1124279	47.266	ug/l	99
68) m/p-Xylenes	11.621	106	878925	94.610	ug/l	99
69) o-Xylene	11.950	106	412282	47.384	ug/l	98
70) Styrene	11.963	104	693511	48.738	ug/l	100
71) Bromoform	12.127	173	117595	42.892	ug/l	98
73) Isopropylbenzene	12.249	105	1067182	46.232	ug/l	100
74) N-amyl acetate	12.066	43	201534	41.170	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.499	83	150140	38.093	ug/l	98
76) 1,2,3-Trichloropropane	12.548	75	131604m	41.694	ug/l	
77) Bromobenzene	12.523	156	242744	44.080	ug/l	98
78) n-propylbenzene	12.591	91	1280468	46.593	ug/l	100
79) 2-Chlorotoluene	12.676	91	728787	46.284	ug/l	99
80) 1,3,5-Trimethylbenzene	12.731	105	870525	46.663	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.298	75	51688	39.640	ug/l	98
82) 4-Chlorotoluene	12.773	91	754599	46.196	ug/l	100
83) tert-Butylbenzene	12.993	119	778117	46.181	ug/l	100
84) 1,2,4-Trimethylbenzene	13.036	105	879311	47.349	ug/l	100
85) sec-Butylbenzene	13.170	105	1156161	46.712	ug/l	99
86) p-Isopropyltoluene	13.286	119	972014	47.312	ug/l	99
87) 1,3-Dichlorobenzene	13.279	146	493403	45.434	ug/l	99
88) 1,4-Dichlorobenzene	13.359	146	482971	44.832	ug/l	99
89) n-Butylbenzene	13.609	91	886753	46.994	ug/l	99
90) Hexachloroethane	13.877	117	193098	45.913	ug/l	97
91) 1,2-Dichlorobenzene	13.651	146	431633	45.320	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.267	75	25801	42.044	ug/l	98
93) 1,2,4-Trichlorobenzene	14.913	180	236226	41.942	ug/l	99
94) Hexachlorobutadiene	15.017	225	137786	41.632	ug/l	99
95) Naphthalene	15.139	128	413036	43.007	ug/l	100
96) 1,2,3-Trichlorobenzene	15.322	180	205156	42.272	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081525\
Data File : VY023135.D
Acq On : 15 Aug 2025 19:06
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025

Quant Time: Aug 18 02:33:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

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

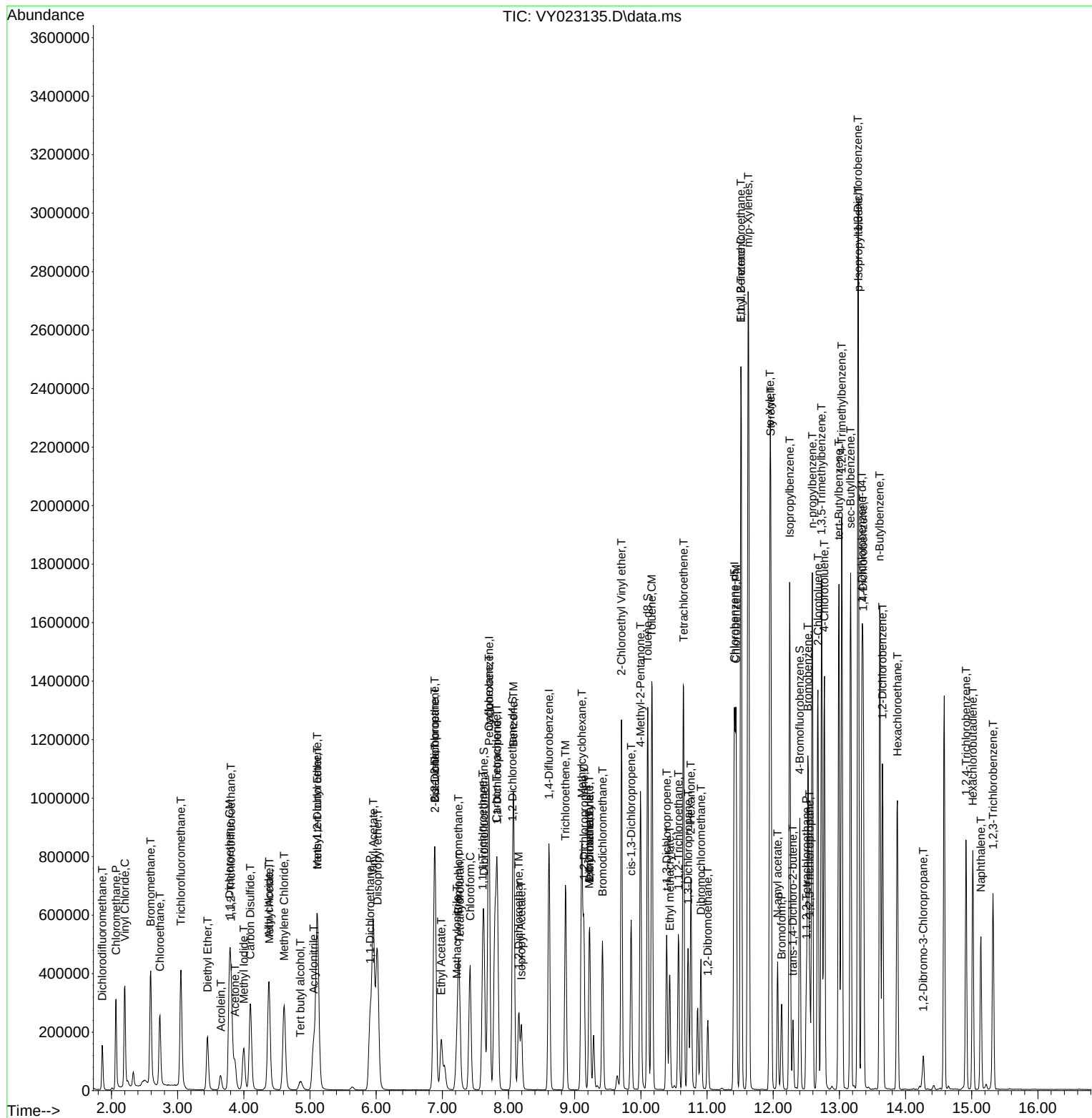
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 Data File : VY023135.D
 Acq On : 15 Aug 2025 19:06
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 27 Sample Multiplier: 1

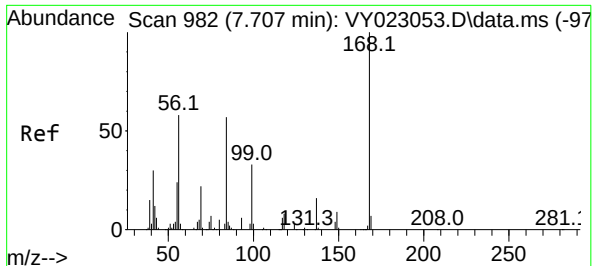
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Aug 18 02:33:49 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 13 02:10:11 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 08/19/2025
 Supervised By : Mahesh Dadoda 08/19/2025





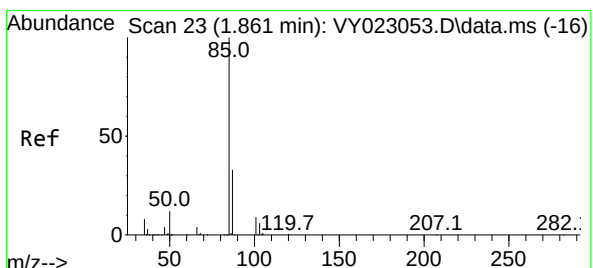
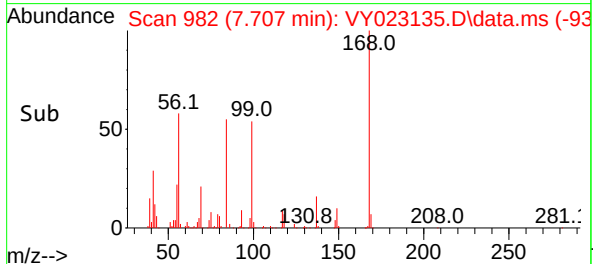
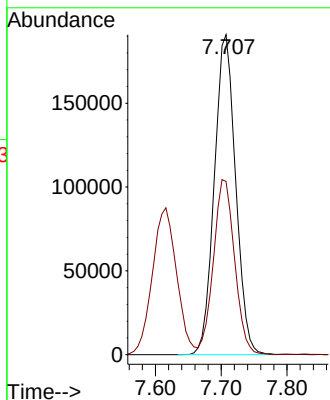
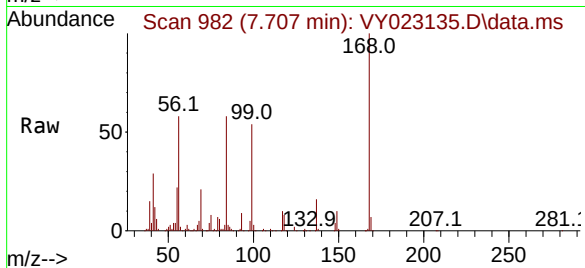
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY023135.D
Acq: 15 Aug 2025 19:06

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:168 Resp: 430308
Ion Ratio Lower Upper
168 100
99 54.1 42.8 64.2

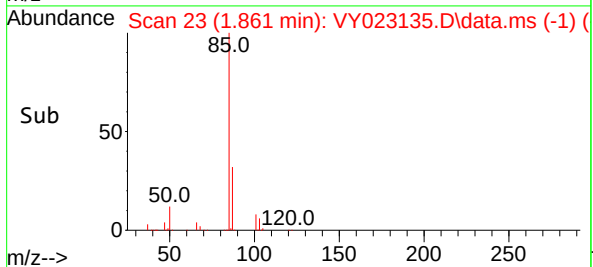
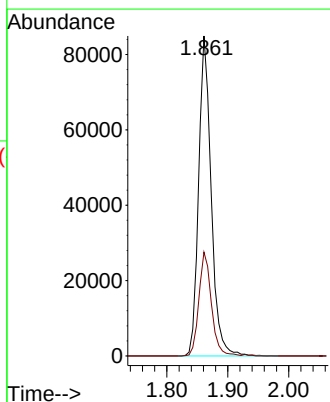
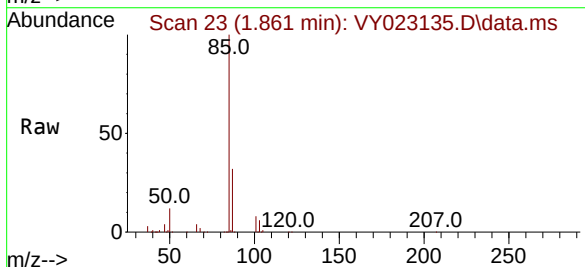
Manual Integrations
APPROVED

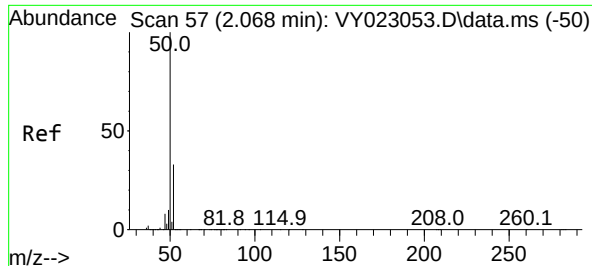
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025



#2
Dichlorodifluoromethane
Concen: 34.628 ug/l
RT: 1.861 min Scan# 23
Delta R.T. 0.000 min
Lab File: VY023135.D
Acq: 15 Aug 2025 19:06

Tgt Ion: 85 Resp: 121628
Ion Ratio Lower Upper
85 100
87 32.5 16.6 49.8





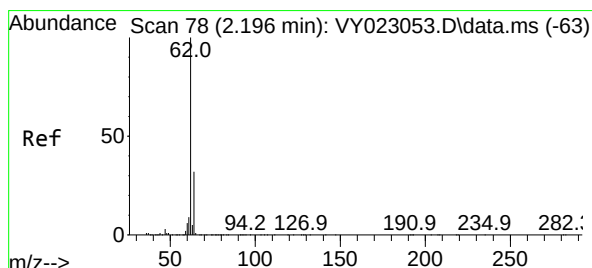
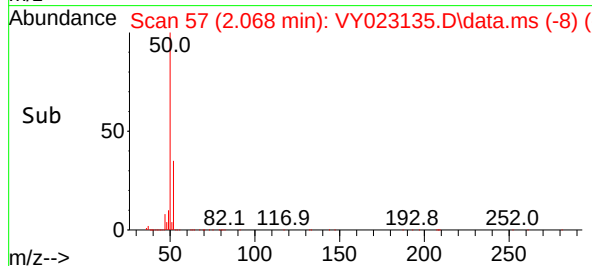
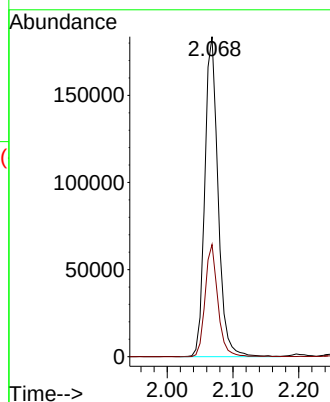
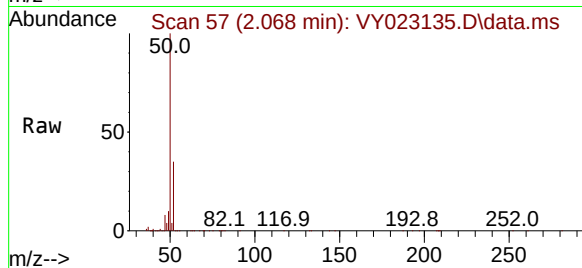
#3
Chloromethane
Concen: 45.346 ug/l
RT: 2.068 min Scan# 51
Delta R.T. 0.000 min
Lab File: VY023135.D
Acq: 15 Aug 2025 19:06

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 50 Resp: 257979
Ion Ratio Lower Upper
50 100
52 35.0 26.7 40.1

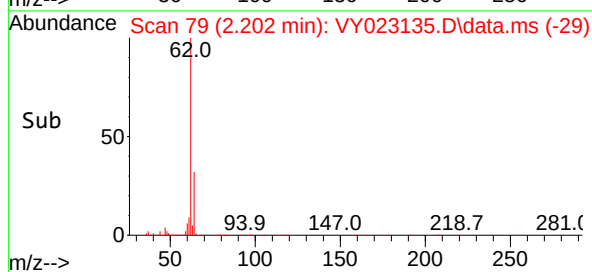
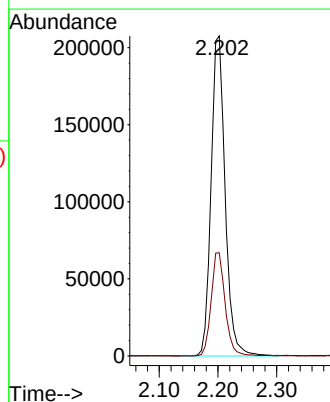
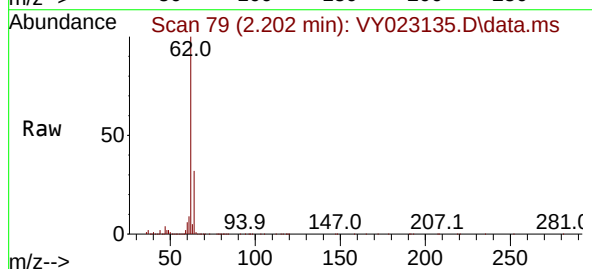
Manual Integrations
APPROVED

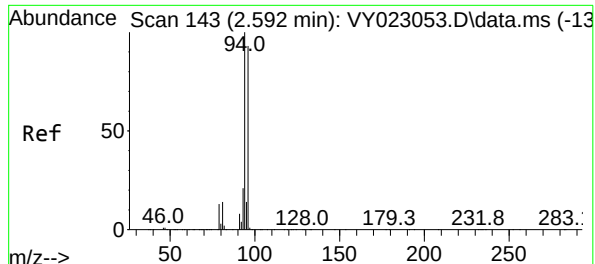
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025



#4
Vinyl Chloride
Concen: 49.135 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.006 min
Lab File: VY023135.D
Acq: 15 Aug 2025 19:06

Tgt Ion: 62 Resp: 345536
Ion Ratio Lower Upper
62 100
64 32.2 25.4 38.0





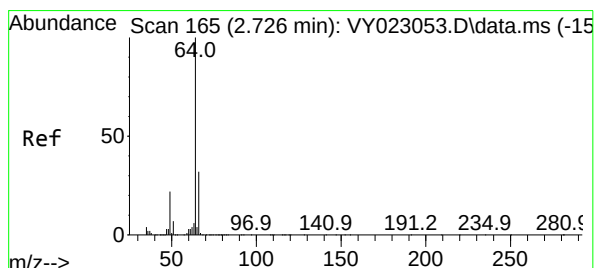
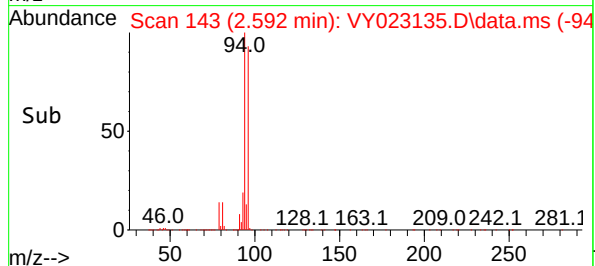
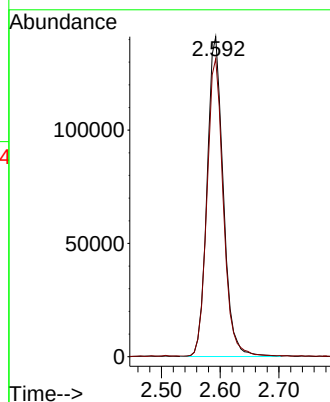
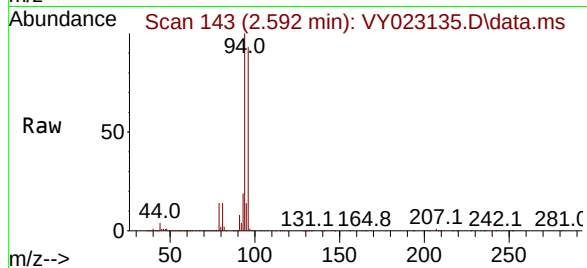
#5
Bromomethane
Concen: 51.559 ug/l
RT: 2.592 min Scan# 143
Delta R.T. 0.000 min
Lab File: VY023135.D
Acq: 15 Aug 2025 19:06

Instrument :
MSVOA_Y
ClientSampleId :
VSTDC050EC

Tgt Ion: 94 Resp: 270785
Ion Ratio Lower Upper
94 100
96 93.0 74.6 112.0

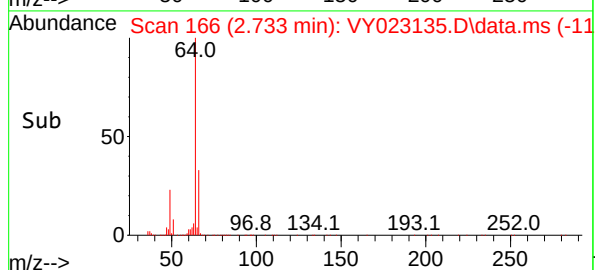
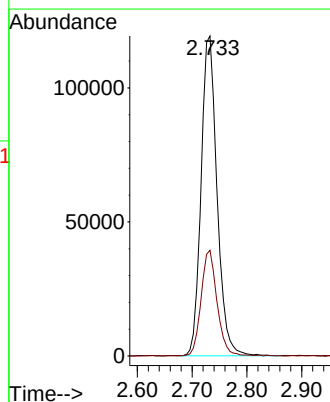
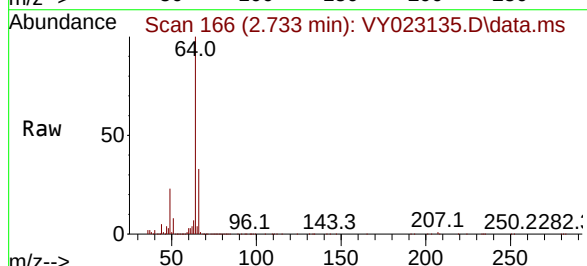
Manual Integrations
APPROVED

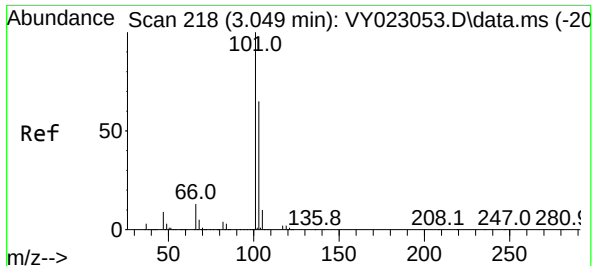
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025



#6
Chloroethane
Concen: 51.640 ug/l
RT: 2.733 min Scan# 166
Delta R.T. 0.006 min
Lab File: VY023135.D
Acq: 15 Aug 2025 19:06

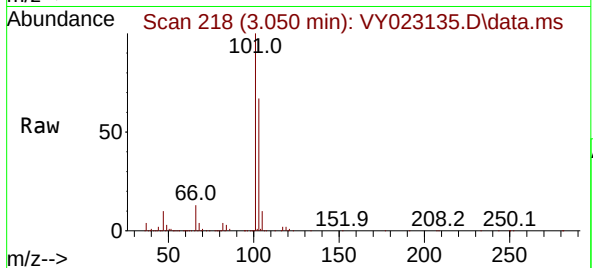
Tgt Ion: 64 Resp: 241433
Ion Ratio Lower Upper
64 100
66 33.0 25.8 38.6





#7
Trichlorofluoromethane
Concen: 46.330 ug/l
RT: 3.050 min Scan# 218
Delta R.T. 0.000 min
Lab File: VY023135.D
Acq: 15 Aug 2025 19:06

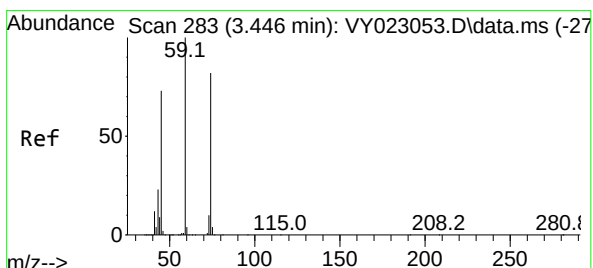
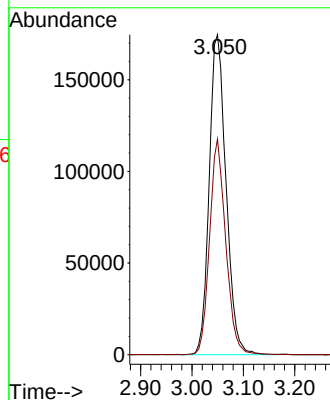
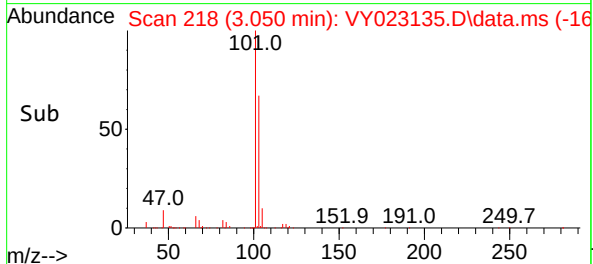
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC



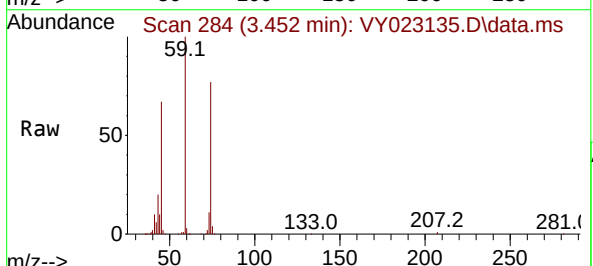
Tgt Ion:101 Resp: 396172
Ion Ratio Lower Upper
101 100
103 67.4 51.9 77.9

Manual Integrations
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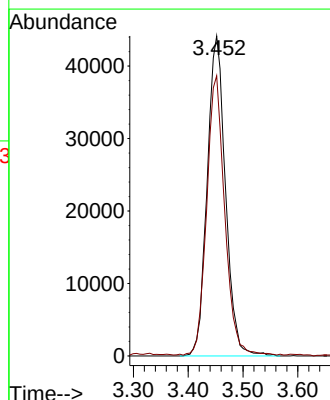
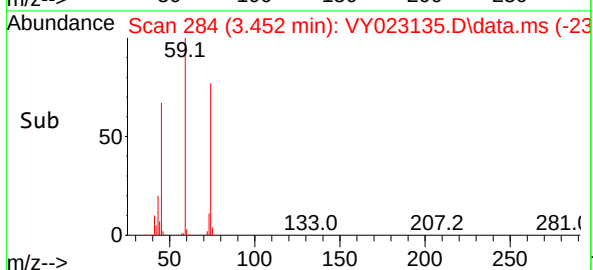
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025

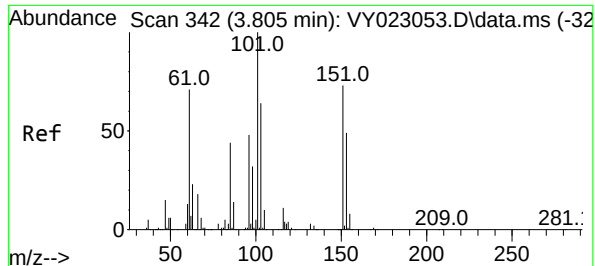


#8
Diethyl Ether
Concen: 45.197 ug/l
RT: 3.452 min Scan# 284
Delta R.T. 0.006 min
Lab File: VY023135.D
Acq: 15 Aug 2025 19:06



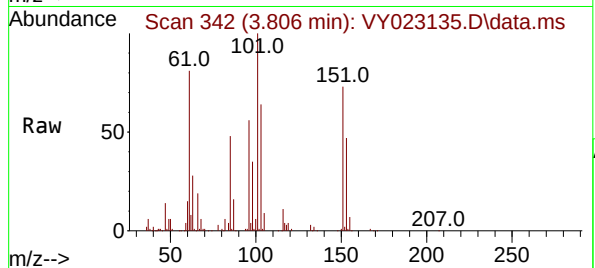
Tgt Ion: 74 Resp: 102249
Ion Ratio Lower Upper
74 100
45 85.6 44.4 133.2





#9
1,1,2-Trichlorotrifluoroethane
Concen: 42.736 ug/l
RT: 3.806 min Scan# 342
Delta R.T. 0.000 min
Lab File: VY023135.D
Acq: 15 Aug 2025 19:06

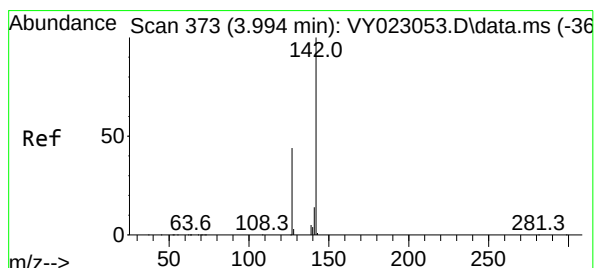
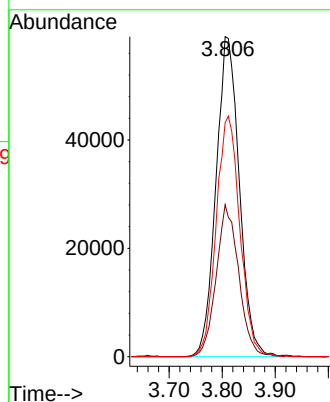
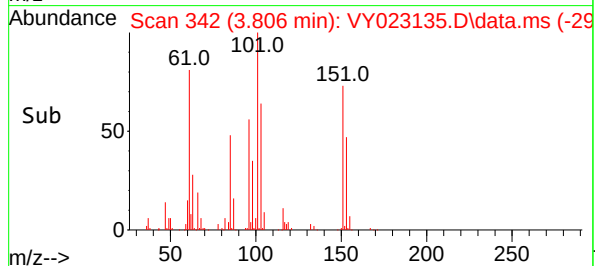
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC



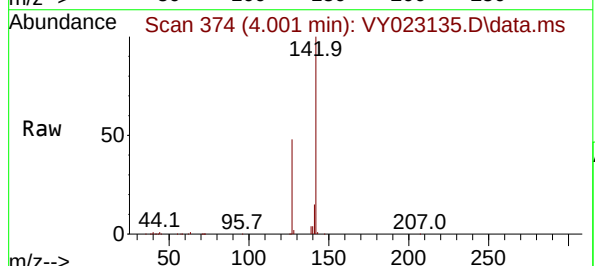
Tgt Ion:101 Resp: 180280
Ion Ratio Lower Upper
101 100
85 46.0 36.3 54.5
151 76.5 61.5 92.3

Manual Integrations
APPROVED

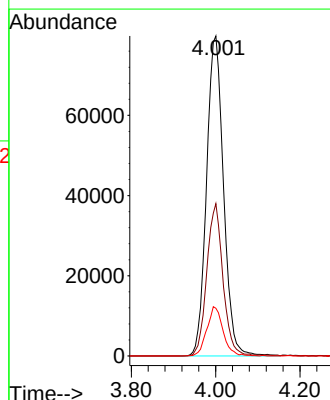
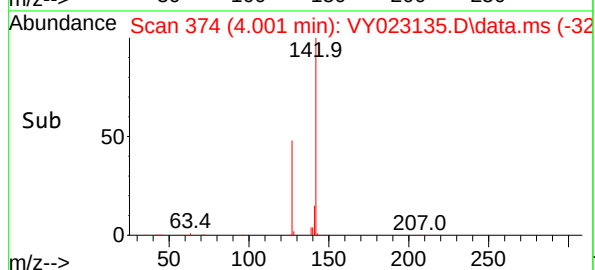
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025

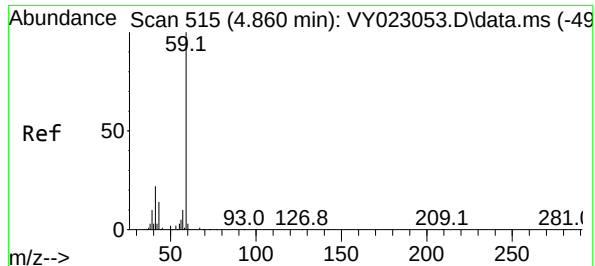


#10
Methyl Iodide
Concen: 49.178 ug/l
RT: 4.001 min Scan# 374
Delta R.T. 0.006 min
Lab File: VY023135.D
Acq: 15 Aug 2025 19:06



Tgt Ion:142 Resp: 223871
Ion Ratio Lower Upper
142 100
127 45.3 34.9 52.3
141 14.7 11.3 16.9





#11

Tert butyl alcohol

Concen: 206.701 ug/l

RT: 4.854 min Scan# 51

Delta R.T. -0.006 min

Lab File: VY023135.D

Acq: 15 Aug 2025 19:06

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 59 Resp: 58084

Ion Ratio Lower Upper

59 100

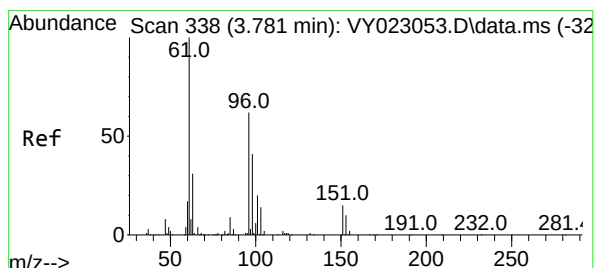
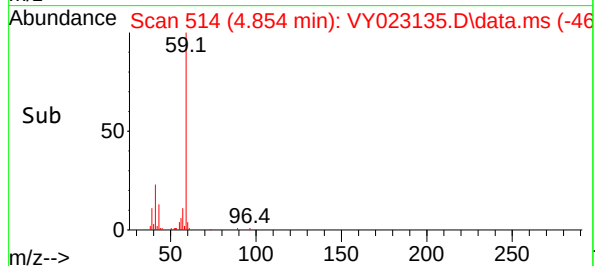
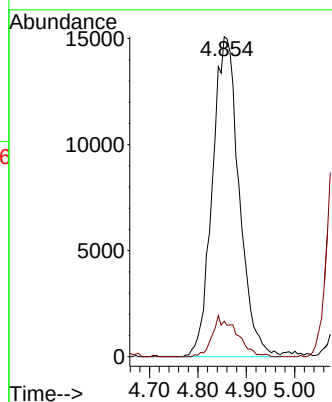
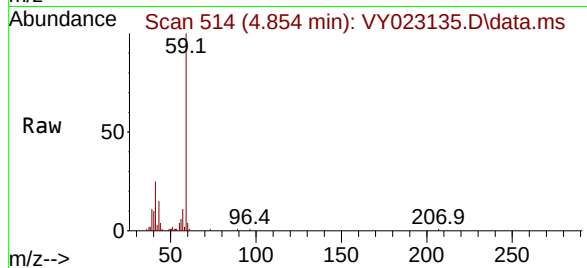
57 11.6 8.6 13.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/19/2025

Supervised By :Mahesh Dadoda 08/19/2025



#12

1,1-Dichloroethene

Concen: 45.207 ug/l

RT: 3.781 min Scan# 338

Delta R.T. 0.000 min

Lab File: VY023135.D

Acq: 15 Aug 2025 19:06

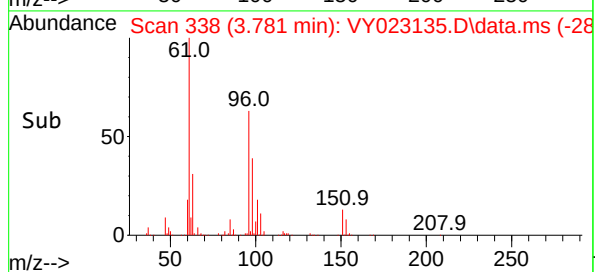
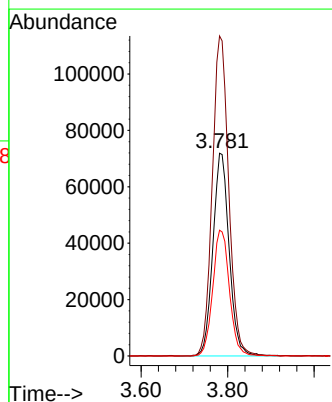
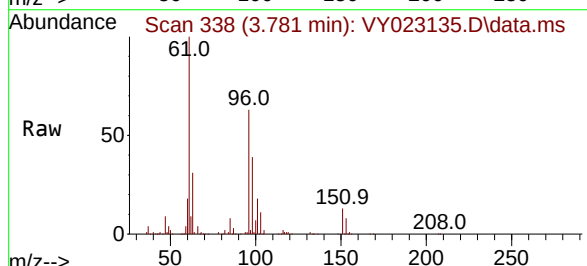
Tgt Ion: 96 Resp: 187457

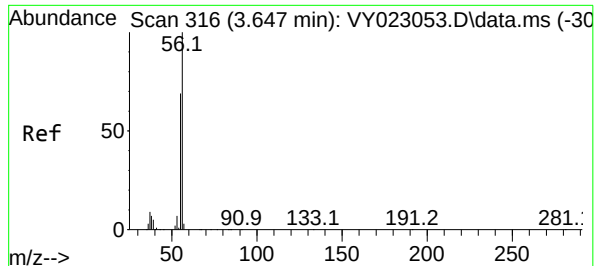
Ion Ratio Lower Upper

96 100

61 157.9 129.4 194.2

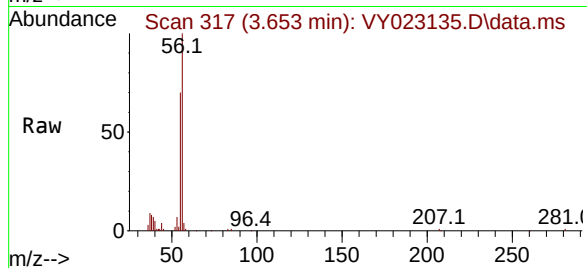
98 62.0 52.8 79.2





#13
Acrolein
Concen: 141.959 ug/l
RT: 3.653 min Scan# 316
Delta R.T. 0.006 min
Lab File: VY023135.D
Acq: 15 Aug 2025 19:06

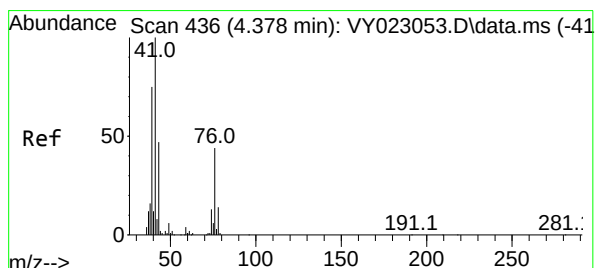
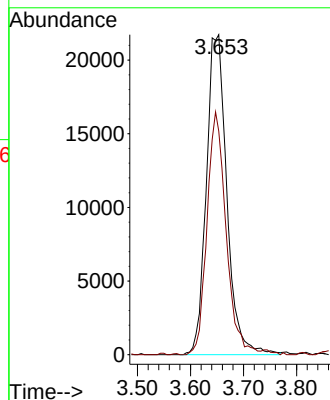
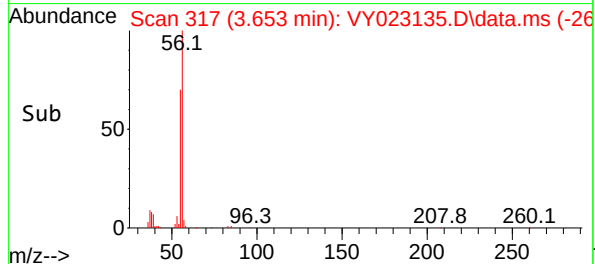
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC



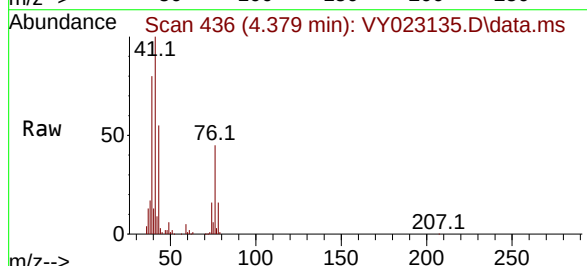
Tgt Ion: 56 Resp: 5842
Ion Ratio Lower Upper
56 100
55 70.6 55.2 82.8

Manual Integrations
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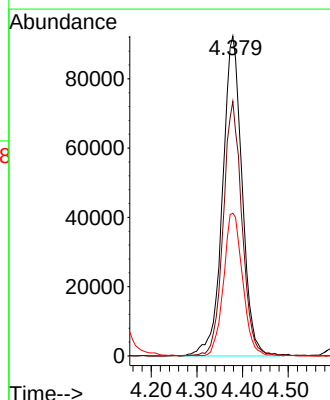
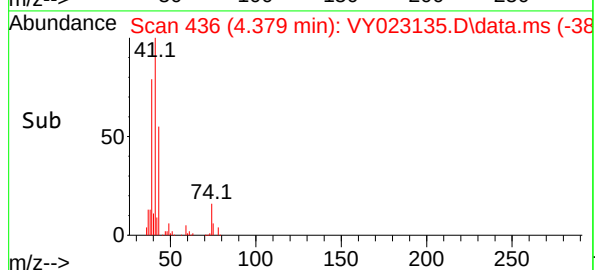
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025

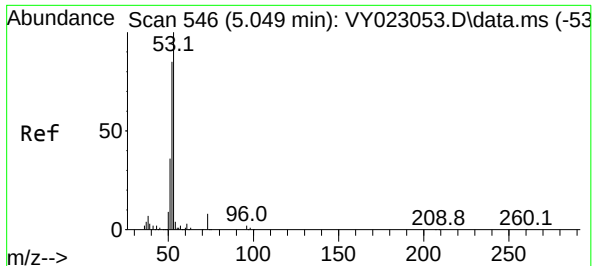


#14
Allyl chloride
Concen: 45.054 ug/l
RT: 4.379 min Scan# 436
Delta R.T. 0.000 min
Lab File: VY023135.D
Acq: 15 Aug 2025 19:06



Tgt Ion: 41 Resp: 274900
Ion Ratio Lower Upper
41 100
39 76.1 59.8 89.6
76 43.5 33.7 50.5





#15

Acrylonitrile

Concen: 226.140 ug/l

RT: 5.055 min Scan# 546

Delta R.T. 0.006 min

Lab File: VY023135.D

Acq: 15 Aug 2025 19:06

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 53 Resp: 20799

Ion Ratio Lower Upper

53 100

52 80.7 65.3 97.9

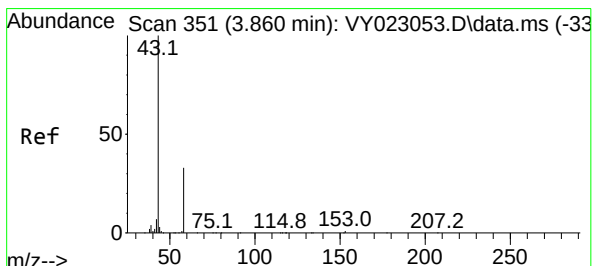
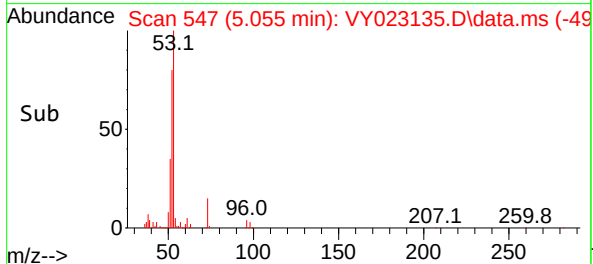
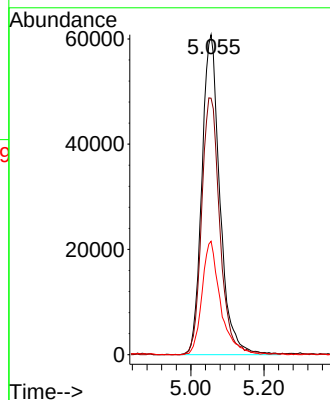
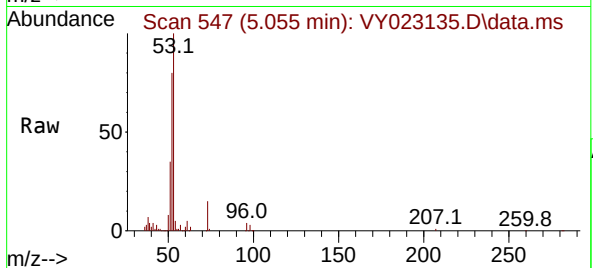
51 36.3 29.5 44.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/19/2025

Supervised By :Mahesh Dadoda 08/19/2025



#16

Acetone

Concen: 169.235 ug/l

RT: 3.866 min Scan# 352

Delta R.T. 0.006 min

Lab File: VY023135.D

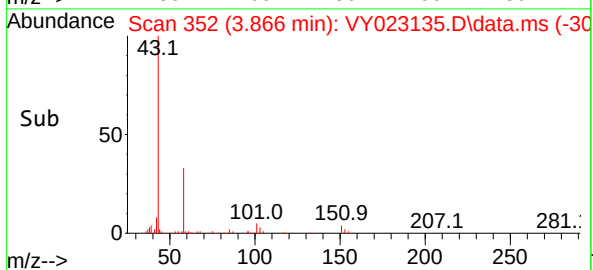
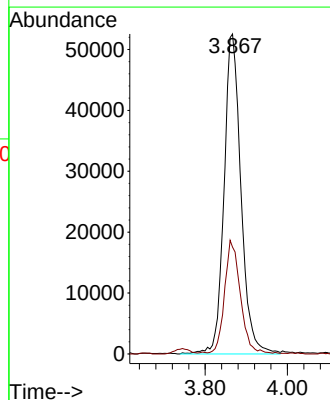
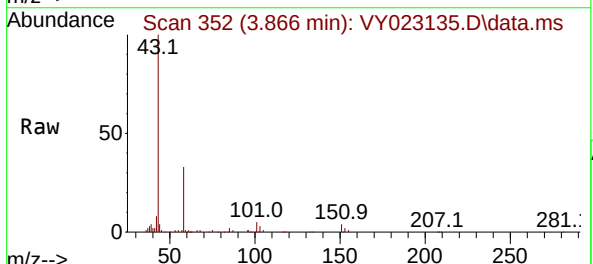
Acq: 15 Aug 2025 19:06

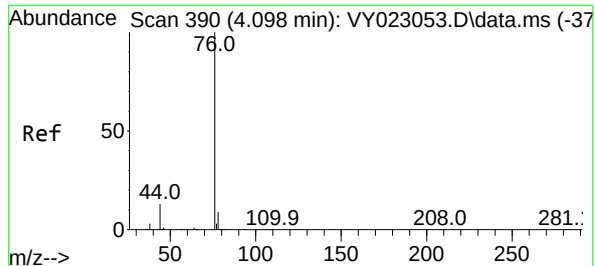
Tgt Ion: 43 Resp: 150363

Ion Ratio Lower Upper

43 100

58 33.2 27.1 40.7





#17

Carbon Disulfide

Concen: 44.225 ug/l

RT: 4.098 min Scan# 390

Delta R.T. 0.000 min

Lab File: VY023135.D

Acq: 15 Aug 2025 19:06

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 76 Resp: 597944

Ion Ratio Lower Upper

76 100

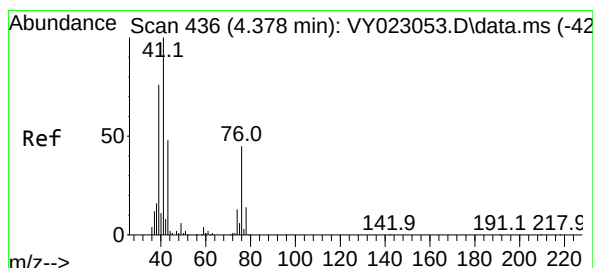
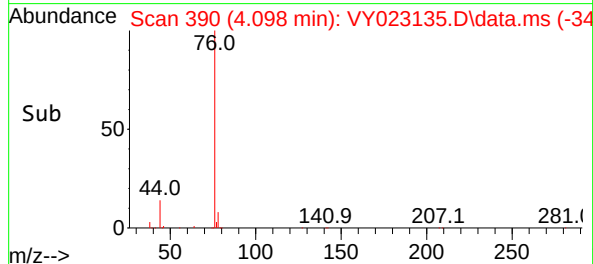
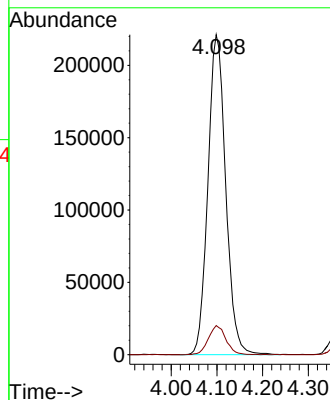
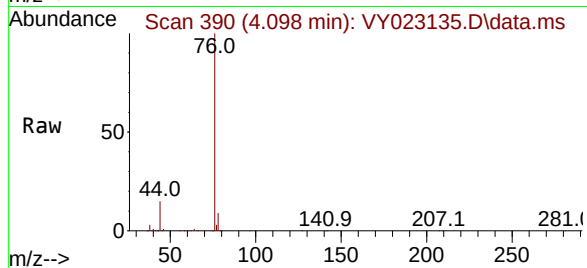
78 9.1 7.4 11.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/19/2025

Supervised By :Mahesh Dadoda 08/19/2025



#18

Methyl Acetate

Concen: 58.622 ug/l

RT: 4.385 min Scan# 437

Delta R.T. 0.006 min

Lab File: VY023135.D

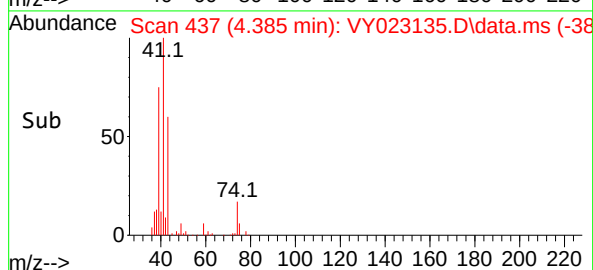
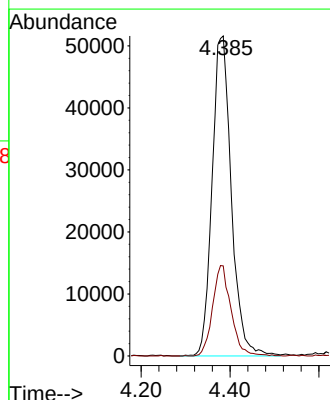
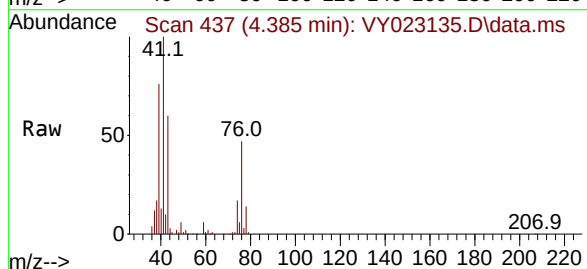
Acq: 15 Aug 2025 19:06

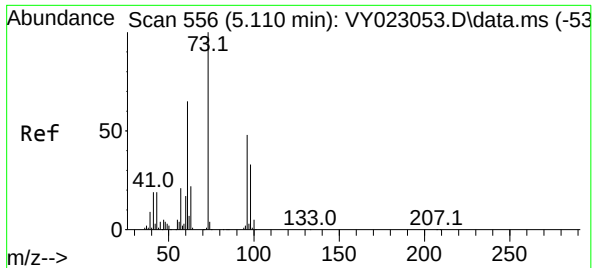
Tgt Ion: 43 Resp: 154996

Ion Ratio Lower Upper

43 100

74 27.0 21.2 31.8





#19

Methyl tert-butyl Ether

Concen: 46.367 ug/l

RT: 5.110 min Scan# 51

Delta R.T. 0.000 min

Lab File: VY023135.D

Acq: 15 Aug 2025 19:06

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 73 Resp: 49821

Ion Ratio Lower Upper

73 100

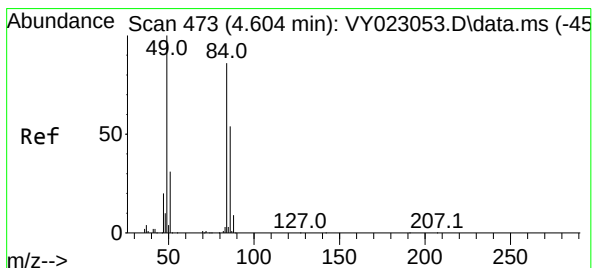
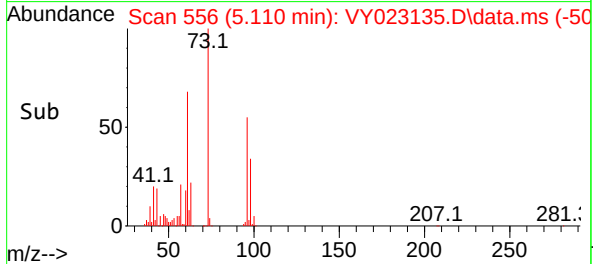
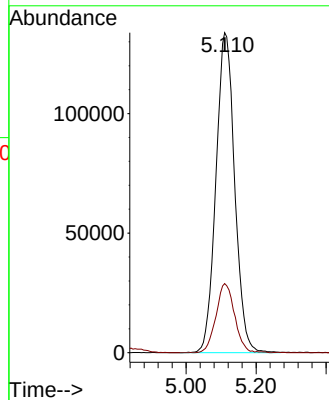
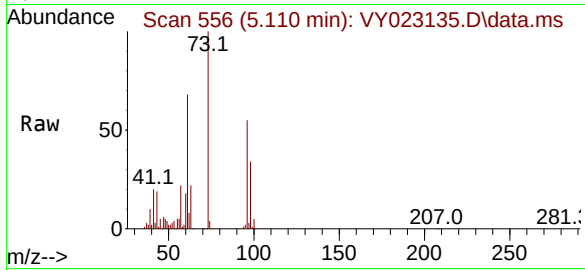
57 21.6 17.1 25.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/19/2025

Supervised By :Mahesh Dadoda 08/19/2025



#20

Methylene Chloride

Concen: 47.835 ug/l

RT: 4.610 min Scan# 474

Delta R.T. 0.006 min

Lab File: VY023135.D

Acq: 15 Aug 2025 19:06

Tgt Ion: 84 Resp: 221392

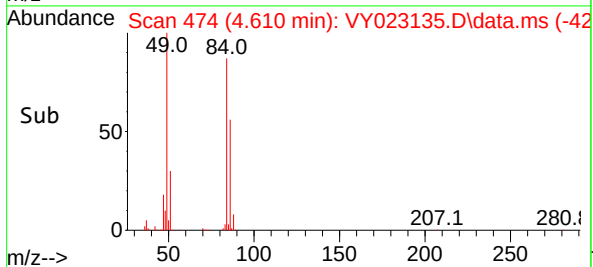
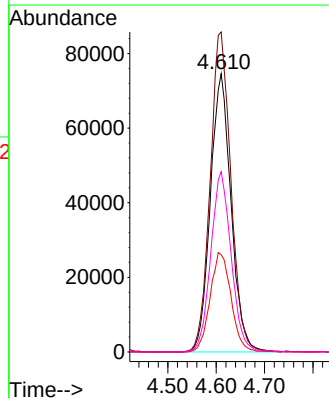
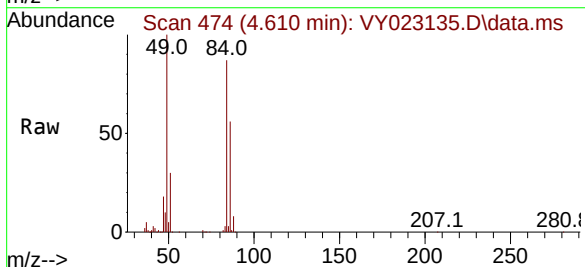
Ion Ratio Lower Upper

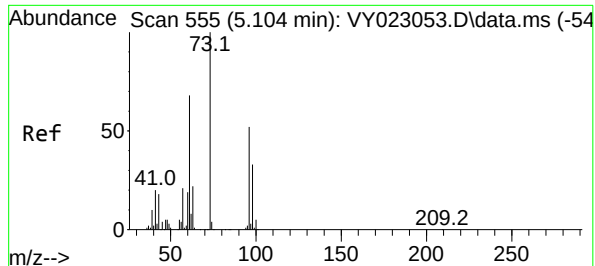
84 100

49 115.0 93.0 139.6

51 34.9 29.0 43.4

86 64.8 50.2 75.4





#21

trans-1,2-Dichloroethene

Concen: 47.978 ug/l

RT: 5.110 min Scan# 511

Delta R.T. 0.006 min

Lab File: VY023135.D

Acq: 15 Aug 2025 19:06

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 96 Resp: 22357

Ion Ratio Lower Upper

96 100

61 123.6 104.8 157.2

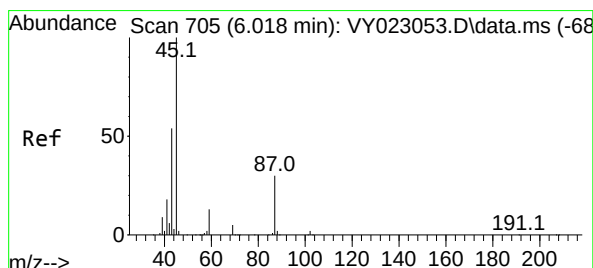
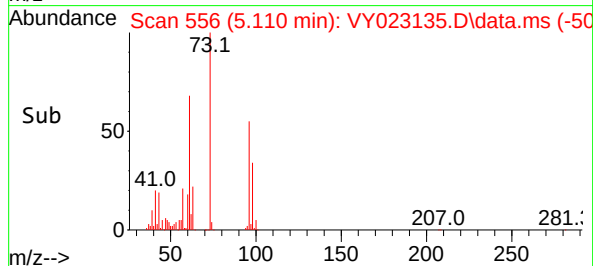
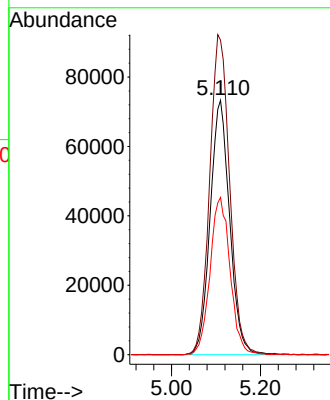
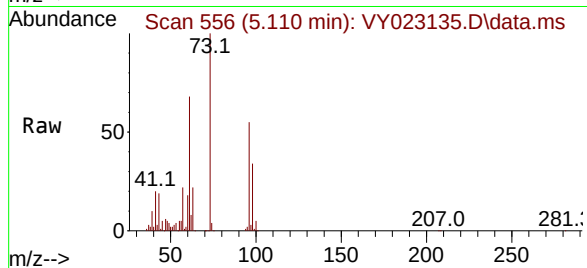
98 61.8 50.1 75.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/19/2025

Supervised By :Mahesh Dadoda 08/19/2025



#22

Diisopropyl ether

Concen: 47.734 ug/l

RT: 6.019 min Scan# 705

Delta R.T. 0.000 min

Lab File: VY023135.D

Acq: 15 Aug 2025 19:06

Tgt Ion: 45 Resp: 632885

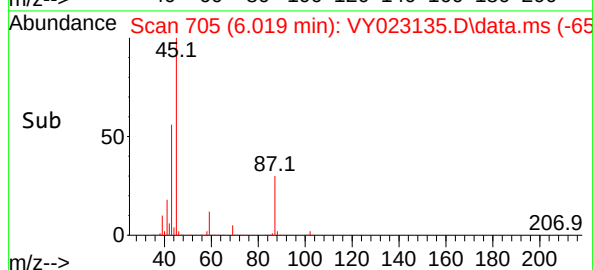
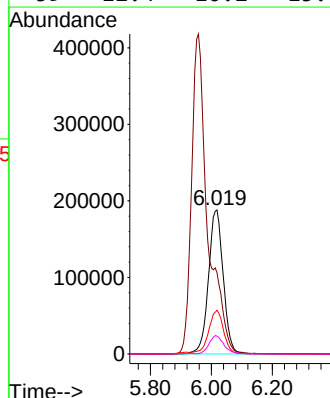
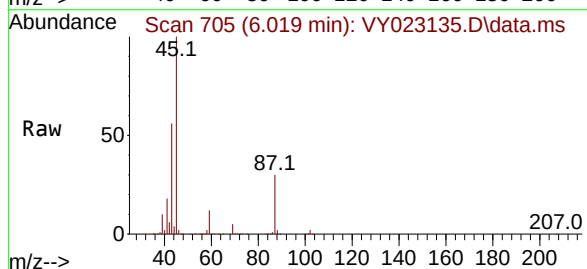
Ion Ratio Lower Upper

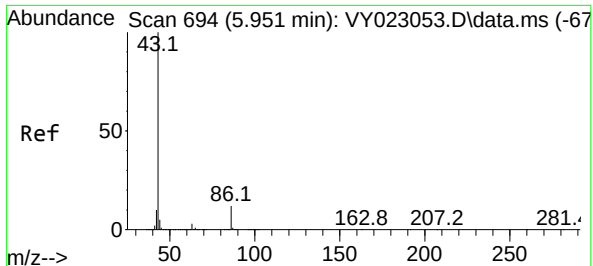
45 100

43 56.3 43.4 65.0

87 30.3 24.4 36.6

59 12.4 10.2 15.4





#23

Vinyl Acetate

Concen: 208.809 ug/l

RT: 5.958 min Scan# 694

Delta R.T. 0.006 min

Lab File: VY023135.D

Acq: 15 Aug 2025 19:06

Instrument :

MSVOA_Y

ClientSampleId :

VSTDC050EC

Tgt Ion: 43 Resp: 153085

Ion Ratio Lower Upper

43 100

86 11.8

9.6

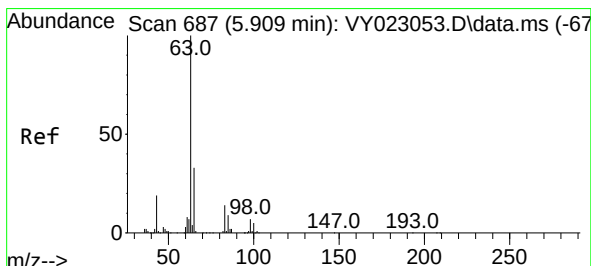
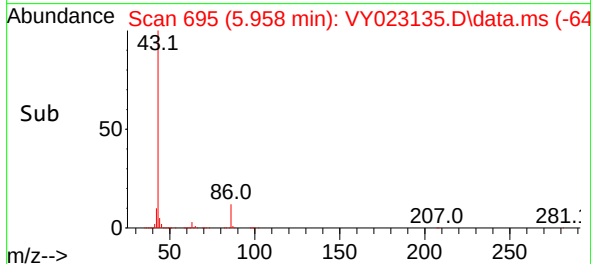
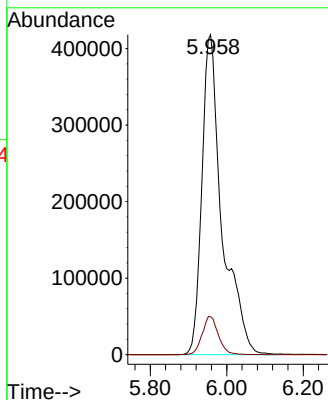
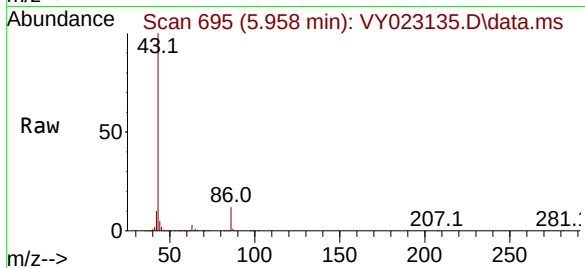
14.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/19/2025

Supervised By :Mahesh Dadoda 08/19/2025



#24

1,1-Dichloroethane

Concen: 47.608 ug/l

RT: 5.909 min Scan# 687

Delta R.T. 0.000 min

Lab File: VY023135.D

Acq: 15 Aug 2025 19:06

Tgt Ion: 63 Resp: 385922

Ion Ratio Lower Upper

63 100

98 7.1

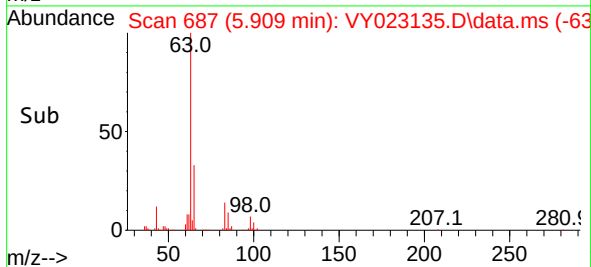
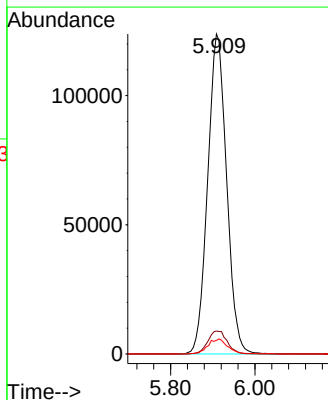
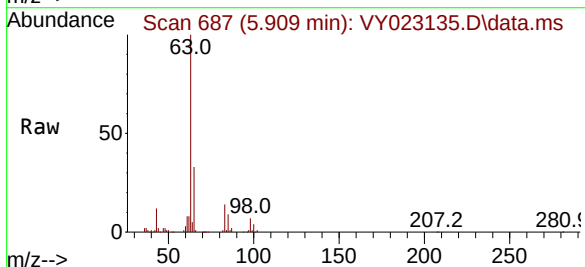
3.5

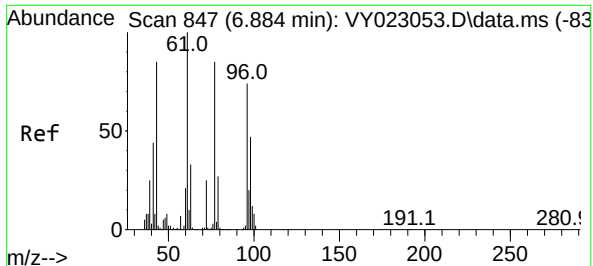
10.6

100 4.2

2.4

7.1





#25

2-Butanone

Concen: 200.293 ug/l

RT: 6.890 min Scan# 848

Delta R.T. 0.006 min

Lab File: VY023135.D

Acq: 15 Aug 2025 19:06

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 242030

Ion Ratio Lower Upper

43

100

72

31.2

23.5

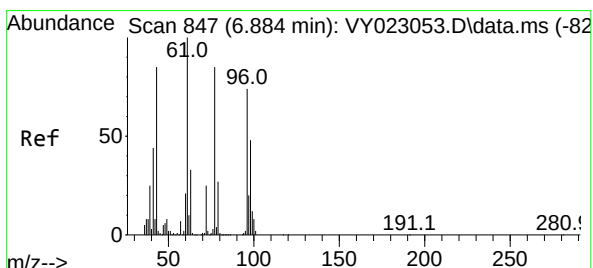
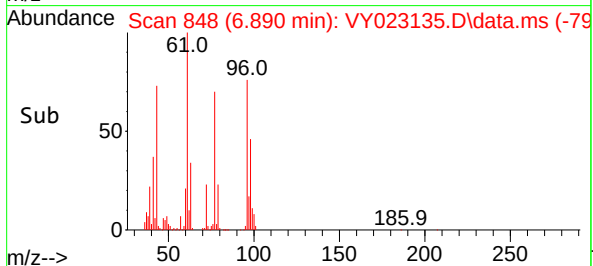
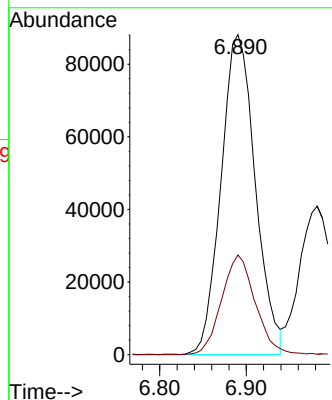
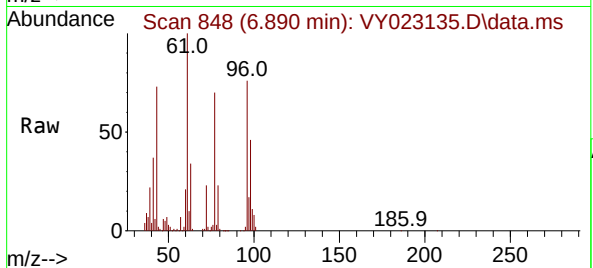
35.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/19/2025

Supervised By :Mahesh Dadoda 08/19/2025



#26

2,2-Dichloropropane

Concen: 42.412 ug/l

RT: 6.884 min Scan# 847

Delta R.T. 0.000 min

Lab File: VY023135.D

Acq: 15 Aug 2025 19:06

Tgt Ion: 77 Resp: 296658

Ion Ratio Lower Upper

77

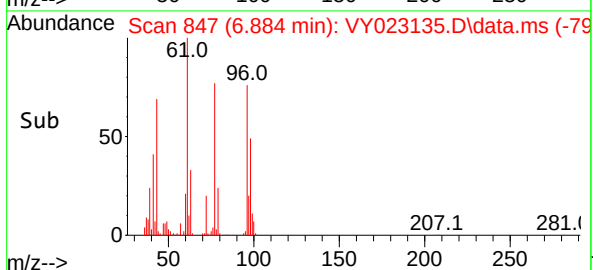
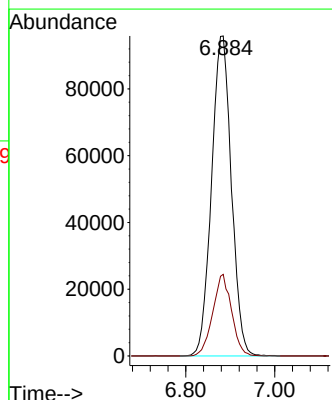
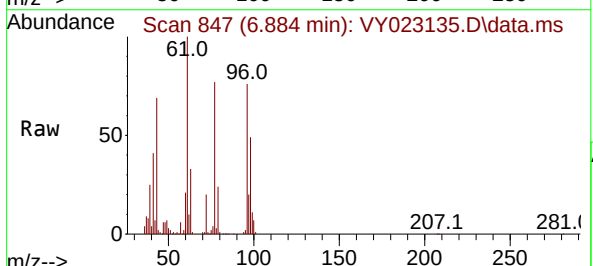
100

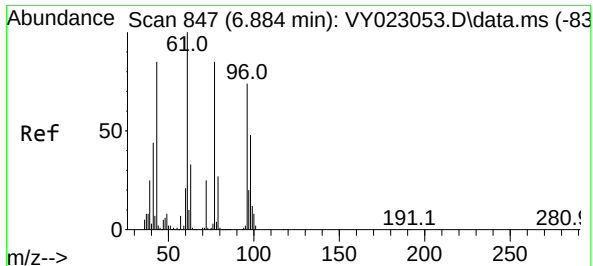
97

24.2

11.6

34.8





#27

cis-1,2-Dichloroethene

Concen: 48.425 ug/l

RT: 6.884 min Scan# 847

Delta R.T. 0.000 min

Lab File: VY023135.D

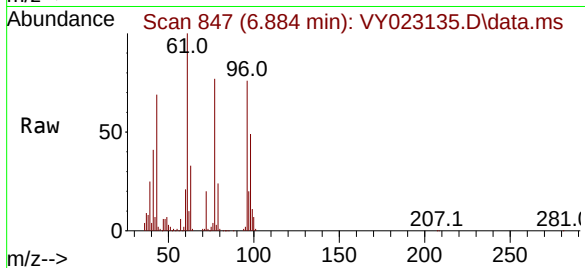
Acq: 15 Aug 2025 19:06

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC



Tgt Ion: 96 Resp: 260875

Ion Ratio Lower Upper

96 100

61 136.3 0.0 278.6

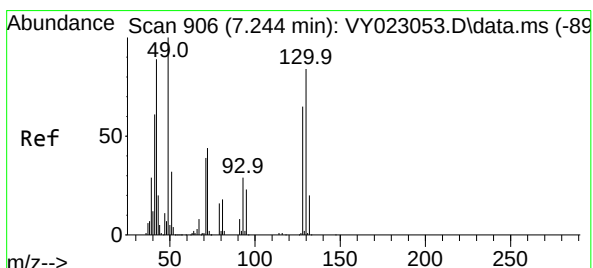
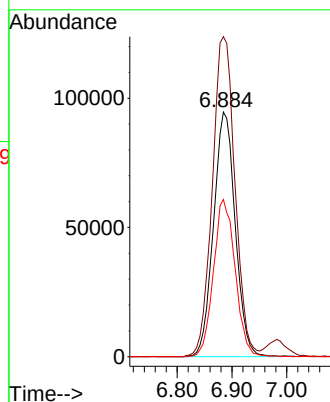
98 64.0 0.0 130.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/19/2025

Supervised By :Mahesh Dadoda 08/19/2025



#28

Bromochloromethane

Concen: 49.690 ug/l

RT: 7.244 min Scan# 906

Delta R.T. 0.000 min

Lab File: VY023135.D

Acq: 15 Aug 2025 19:06

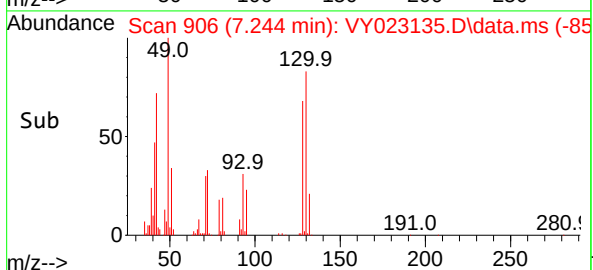
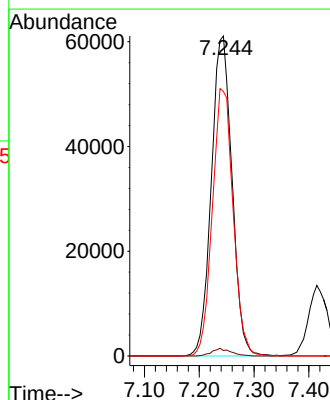
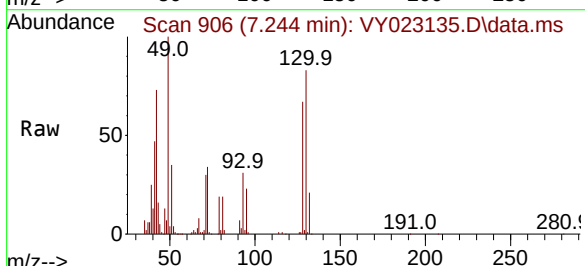
Tgt Ion: 49 Resp: 159803

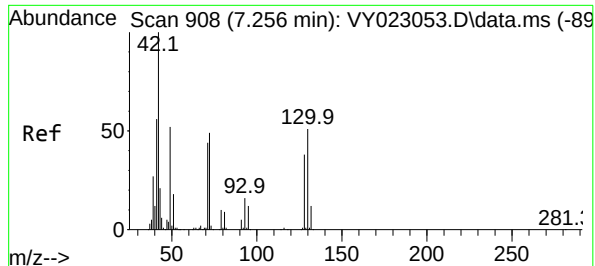
Ion Ratio Lower Upper

49 100

129 2.2 0.0 4.2

130 83.9 66.4 99.6





#29

Tetrahydrofuran

Concen: 220.064 ug/l

RT: 7.262 min Scan# 908

Delta R.T. 0.006 min

Lab File: VY023135.D

Acq: 15 Aug 2025 19:06

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 42 Resp: 16483

Ion Ratio Lower Upper

42 100

72 50.4 39.4 59.2

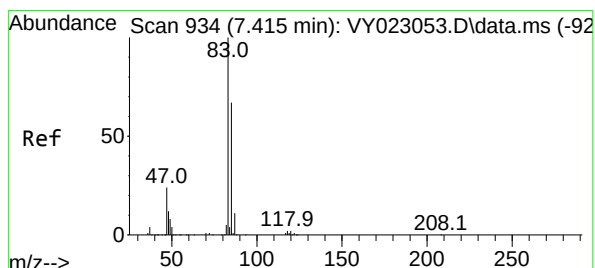
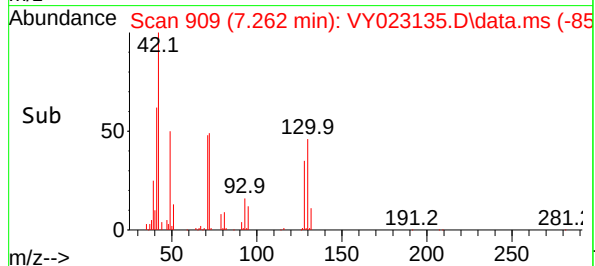
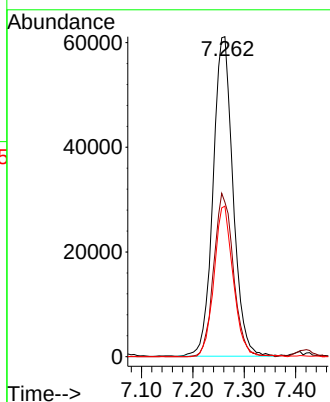
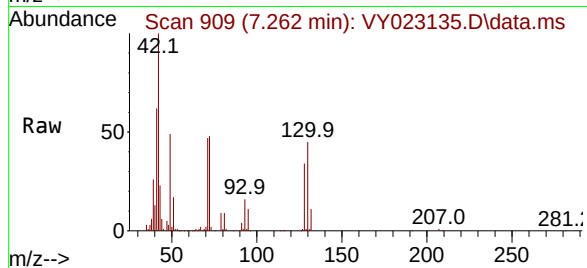
71 45.2 36.5 54.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/19/2025

Supervised By :Mahesh Dadoda 08/19/2025



#30

Chloroform

Concen: 48.951 ug/l

RT: 7.421 min Scan# 935

Delta R.T. 0.006 min

Lab File: VY023135.D

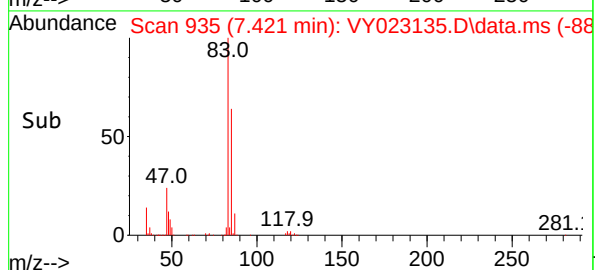
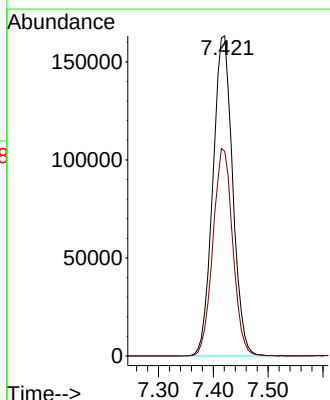
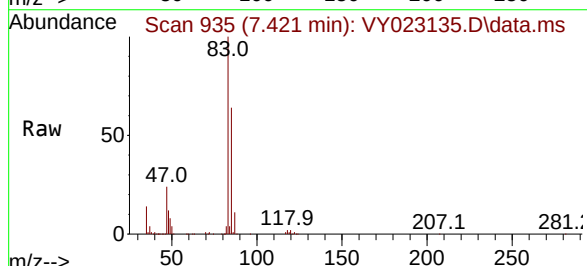
Acq: 15 Aug 2025 19:06

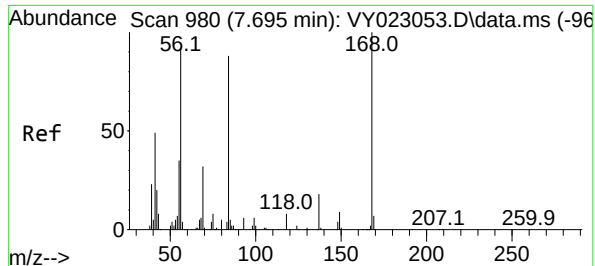
Tgt Ion: 83 Resp: 409239

Ion Ratio Lower Upper

83 100

85 63.9 53.8 80.8





#31

Cyclohexane

Concen: 41.505 ug/l

RT: 7.701 min Scan# 980

Delta R.T. 0.006 min

Lab File: VY023135.D

Acq: 15 Aug 2025 19:06

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 56 Resp: 31705

Ion Ratio Lower Upper

56 100

69 35.8 28.2 42.2

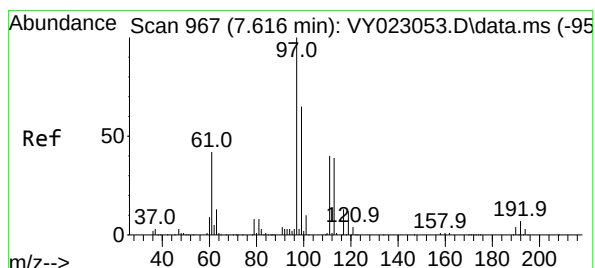
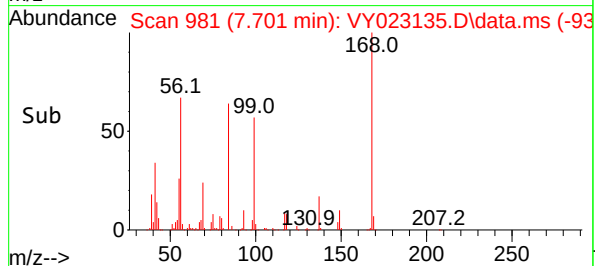
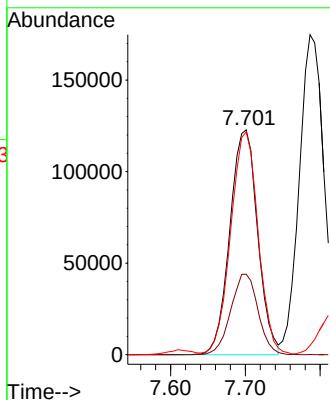
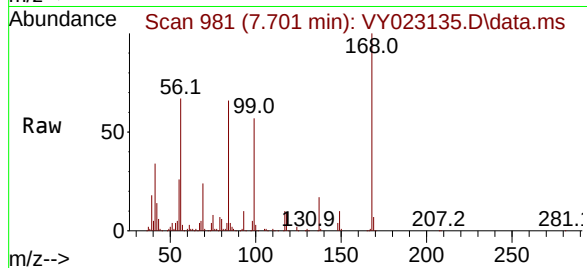
84 96.9 76.6 114.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/19/2025

Supervised By :Mahesh Dadoda 08/19/2025



#32

1,1,1-Trichloroethane

Concen: 47.657 ug/l

RT: 7.610 min Scan# 966

Delta R.T. -0.006 min

Lab File: VY023135.D

Acq: 15 Aug 2025 19:06

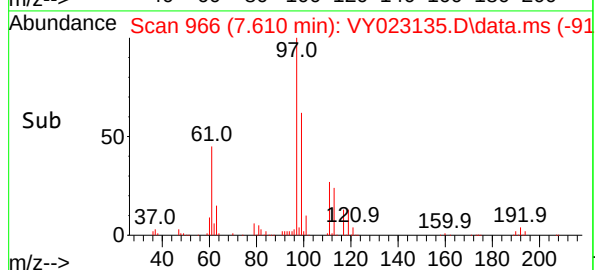
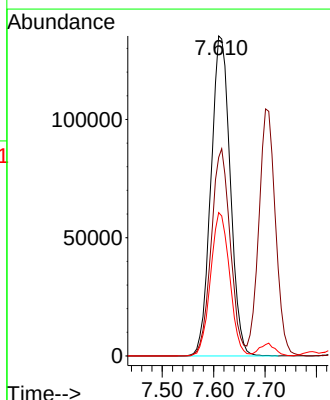
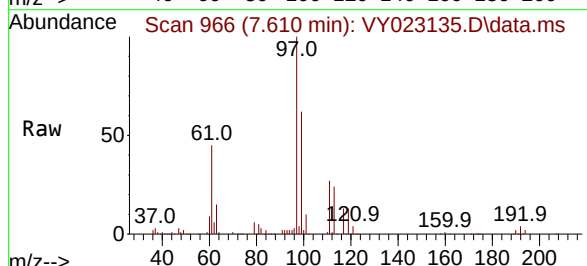
Tgt Ion: 97 Resp: 353516

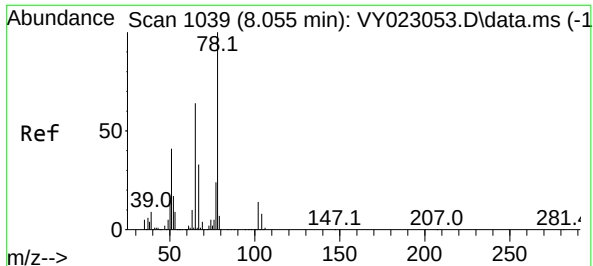
Ion Ratio Lower Upper

97 100

99 63.9 51.6 77.4

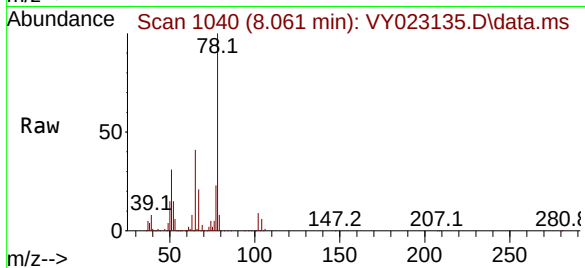
61 44.4 34.2 51.2





#33
1,2-Dichloroethane-d4
Concen: 51.127 ug/l
RT: 8.061 min Scan# 1039
Delta R.T. 0.006 min
Lab File: VY023135.D
Acq: 15 Aug 2025 19:06

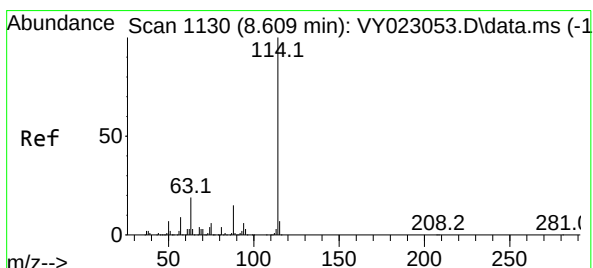
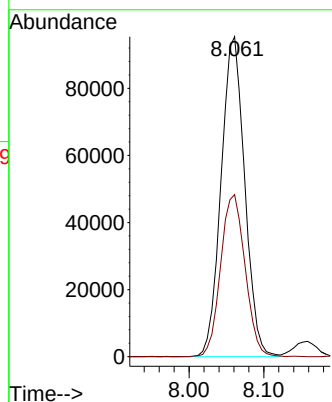
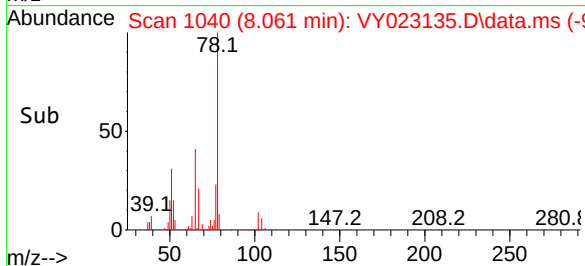
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC



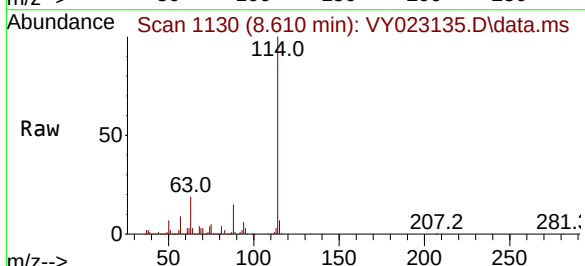
Tgt Ion: 65 Resp: 209678
Ion Ratio Lower Upper
65 100
67 52.5 0.0 106.8

Manual Integrations
APPROVED

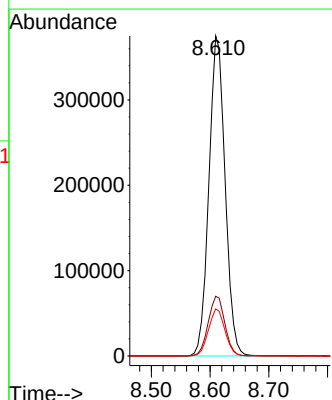
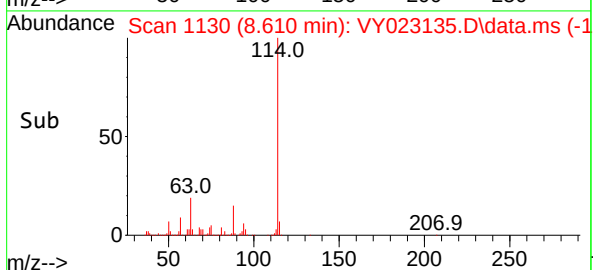
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025

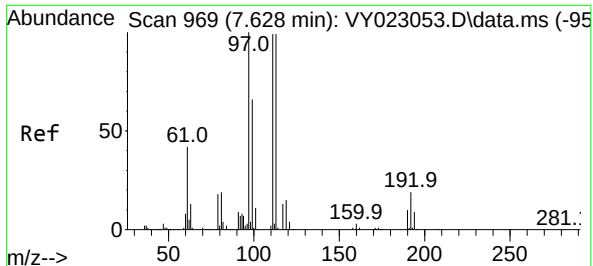


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.610 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VY023135.D
Acq: 15 Aug 2025 19:06



Tgt Ion:114 Resp: 718703
Ion Ratio Lower Upper
114 100
63 18.7 0.0 38.4
88 14.7 0.0 30.0





#35

Dibromofluoromethane

Concen: 48.501 ug/l

RT: 7.628 min Scan# 969

Delta R.T. 0.000 min

Lab File: VY023135.D

Acq: 15 Aug 2025 19:06

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tgt Ion:113 Resp: 208578

Ion Ratio Lower Upper

113 100

111 102.2 81.1 121.7

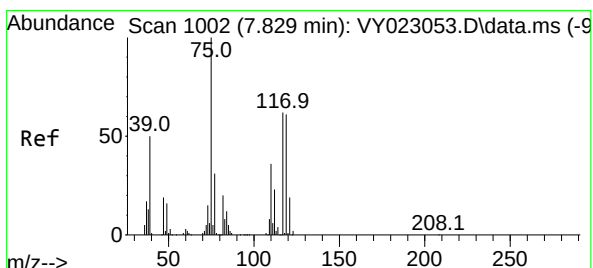
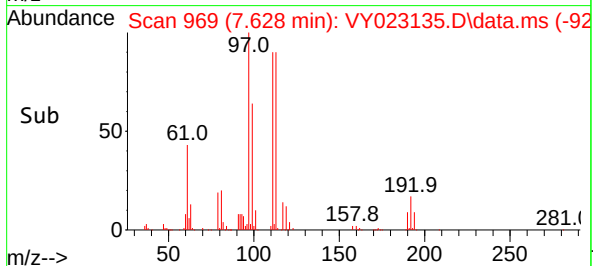
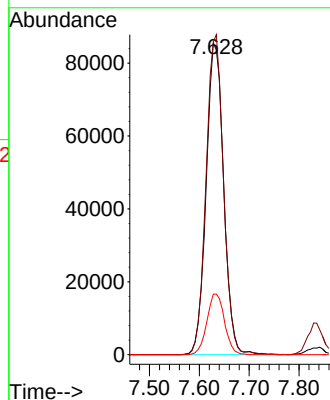
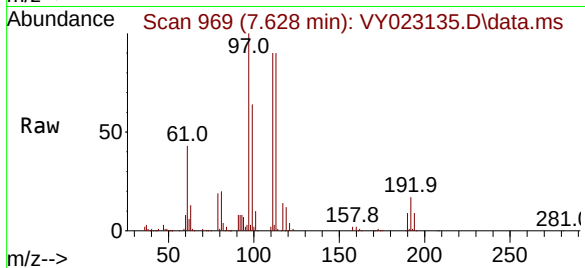
192 19.6 16.2 24.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/19/2025

Supervised By :Mahesh Dadoda 08/19/2025



#36

1,1-Dichloropropene

Concen: 44.762 ug/l

RT: 7.829 min Scan# 1002

Delta R.T. 0.000 min

Lab File: VY023135.D

Acq: 15 Aug 2025 19:06

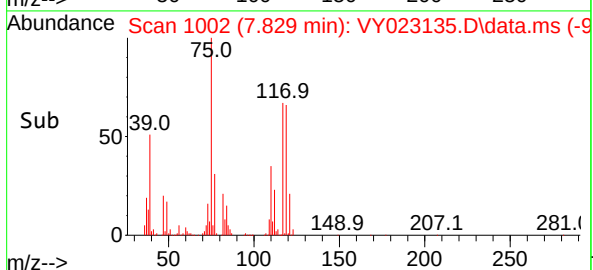
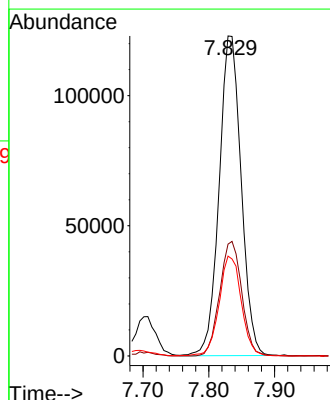
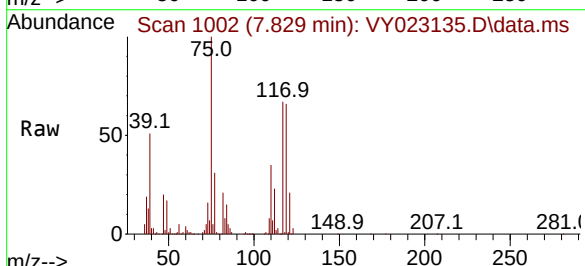
Tgt Ion: 75 Resp: 286083

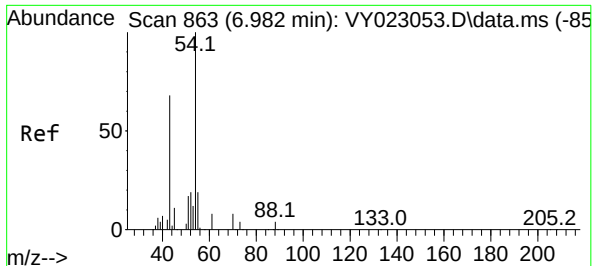
Ion Ratio Lower Upper

75 100

110 36.0 18.1 54.4

77 31.5 24.6 37.0





#37

Ethyl Acetate

Concen: 42.450 ug/l

RT: 6.982 min Scan# 80

Delta R.T. 0.000 min

Lab File: VY023135.D

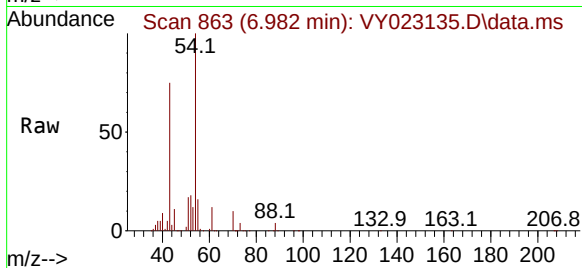
Acq: 15 Aug 2025 19:06

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC



Tgt Ion: 43 Resp: 11396

Ion Ratio Lower Upper

43 100

61 14.0 11.9 17.9

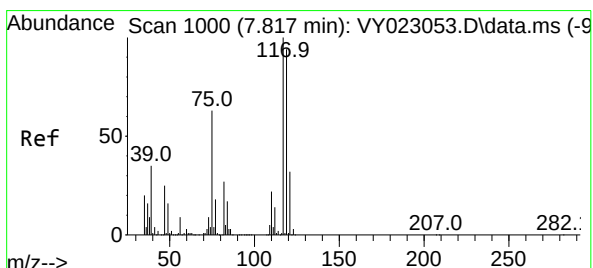
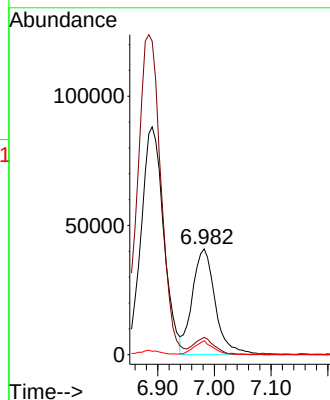
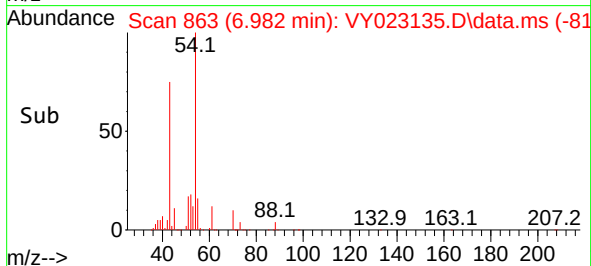
70 11.1 8.8 13.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/19/2025

Supervised By :Mahesh Dadoda 08/19/2025



#38

Carbon Tetrachloride

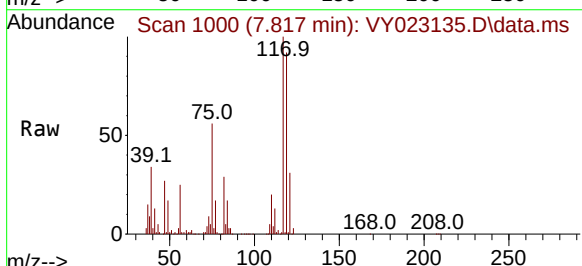
Concen: 45.177 ug/l

RT: 7.817 min Scan# 1000

Delta R.T. 0.000 min

Lab File: VY023135.D

Acq: 15 Aug 2025 19:06



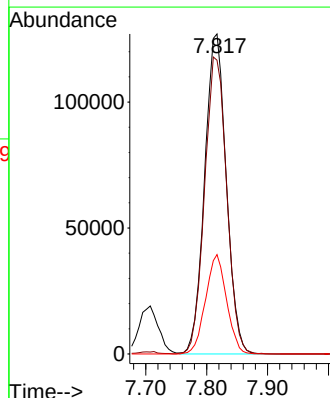
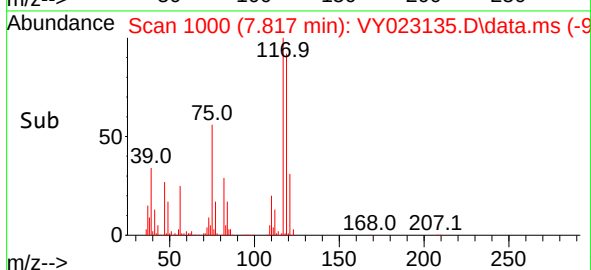
Tgt Ion:117 Resp: 313598

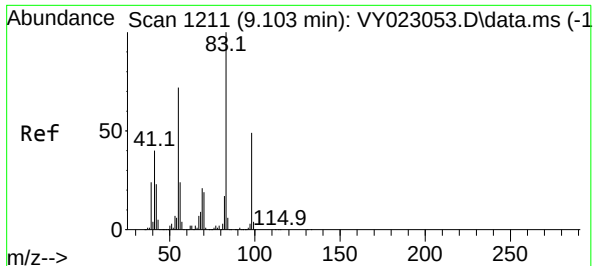
Ion Ratio Lower Upper

117 100

119 91.8 75.6 113.4

121 31.1 25.8 38.8





#39

Methylcyclohexane

Concen: 42.522 ug/l

RT: 9.109 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023135.D

Acq: 15 Aug 2025 19:06

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 83 Resp: 35787

Ion Ratio Lower Upper

83 100

55 66.6 57.6 86.4

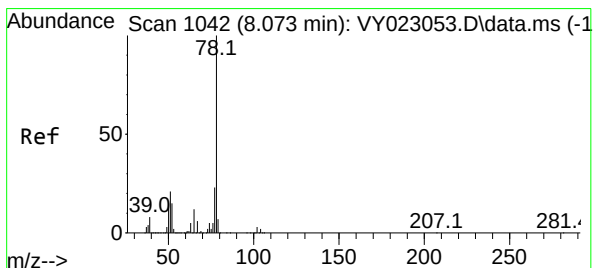
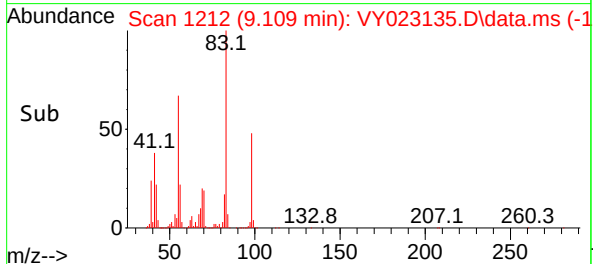
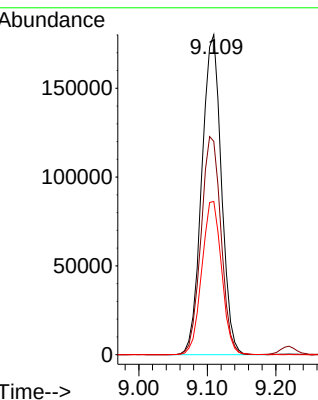
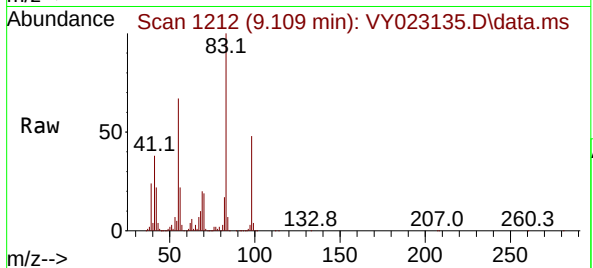
98 47.9 39.2 58.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/19/2025

Supervised By :Mahesh Dadoda 08/19/2025



#40

Benzene

Concen: 46.514 ug/l

RT: 8.073 min Scan# 1042

Delta R.T. 0.000 min

Lab File: VY023135.D

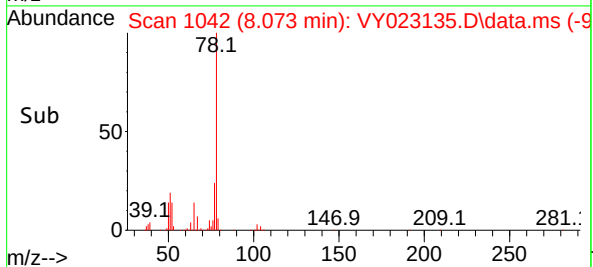
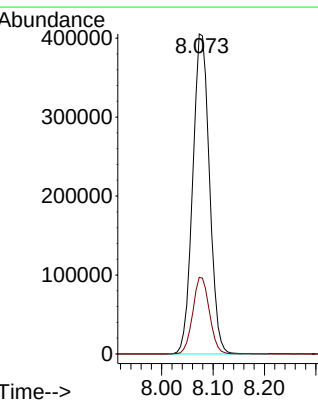
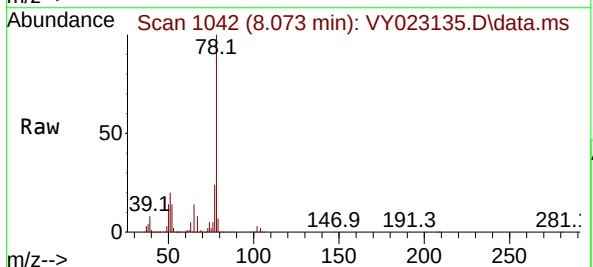
Acq: 15 Aug 2025 19:06

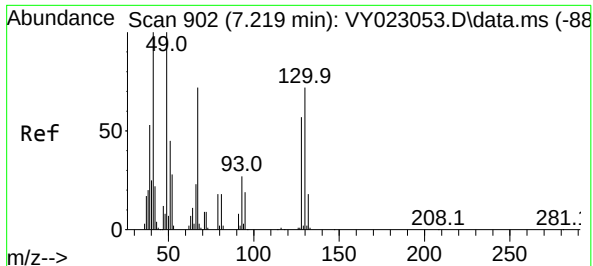
Tgt Ion: 78 Resp: 916243

Ion Ratio Lower Upper

78 100

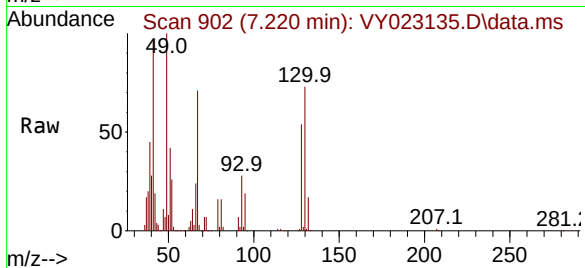
77 23.9 18.6 28.0





#41
Methacrylonitrile
Concen: 41.916 ug/l
RT: 7.220 min Scan# 902
Delta R.T. 0.000 min
Lab File: VY023135.D
Acq: 15 Aug 2025 19:06

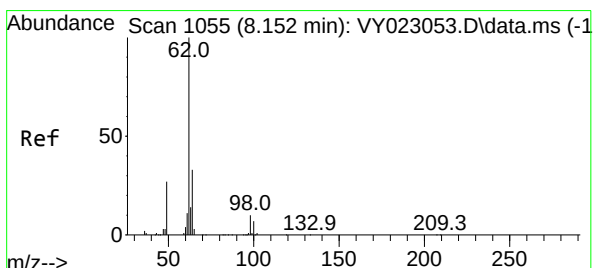
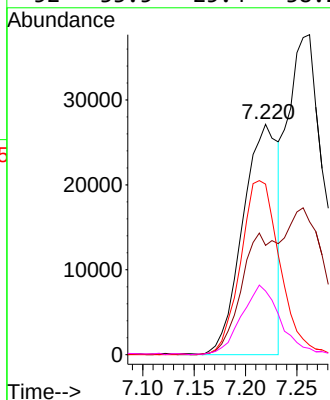
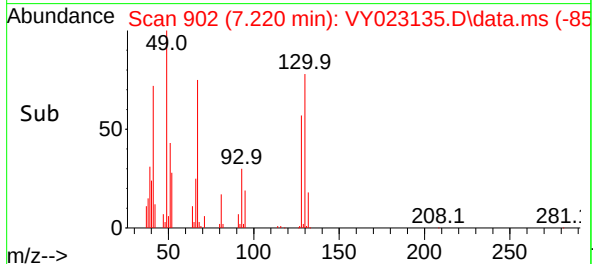
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC



Tgt Ion: 41 Resp: 64940
Ion Ratio Lower Upper
41 100
39 53.5 43.4 65.2
67 84.4 63.6 95.4
52 33.5 25.4 38.2

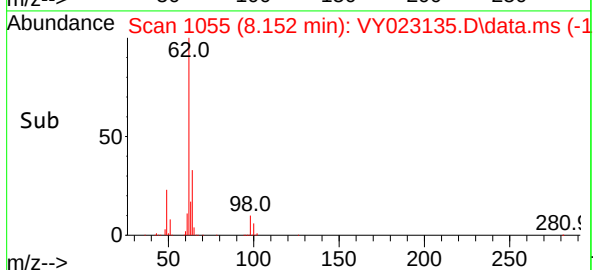
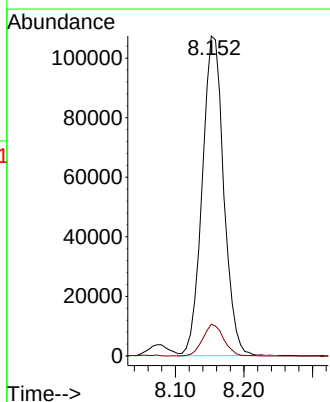
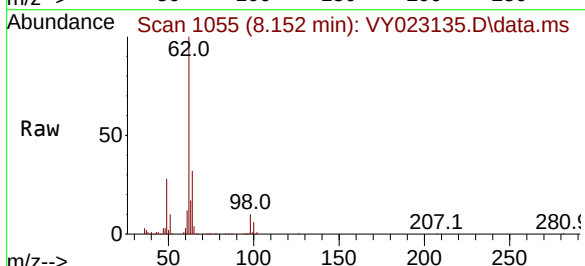
Manual Integrations
APPROVED

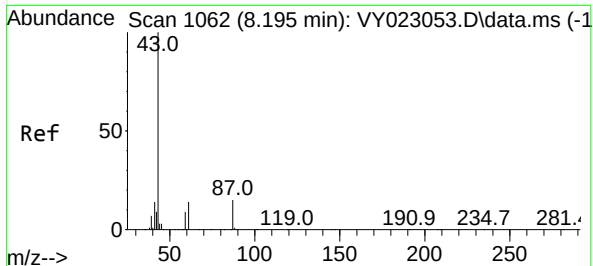
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025



#42
1,2-Dichloroethane
Concen: 45.709 ug/l
RT: 8.152 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VY023135.D
Acq: 15 Aug 2025 19:06

Tgt Ion: 62 Resp: 234175
Ion Ratio Lower Upper
62 100
98 9.7 0.0 20.6





#43

Isopropyl Acetate

Concen: 43.470 ug/l

RT: 8.195 min Scan# 1062

Delta R.T. 0.000 min

Lab File: VY023135.D

Acq: 15 Aug 2025 19:06

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 23588

Ion Ratio Lower Upper

43 100

61 20.8 16.4 24.6

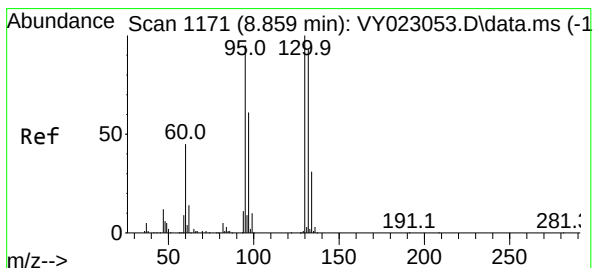
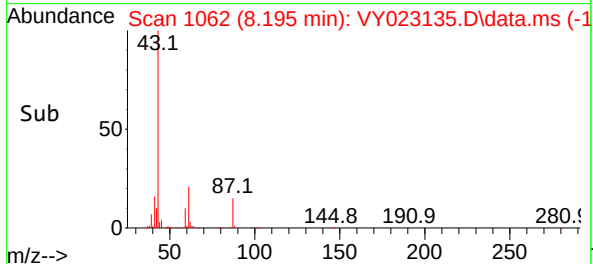
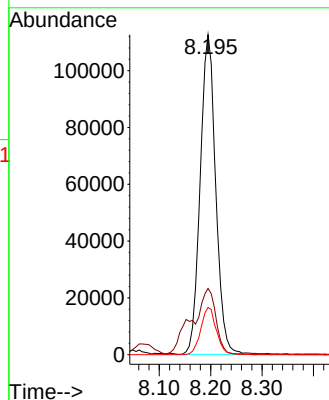
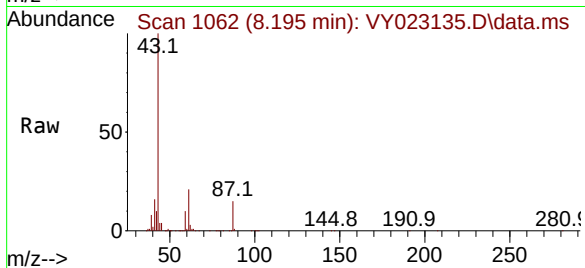
87 14.8 11.8 17.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/19/2025

Supervised By :Mahesh Dadoda 08/19/2025



#44

Trichloroethene

Concen: 47.535 ug/l

RT: 8.860 min Scan# 1171

Delta R.T. 0.000 min

Lab File: VY023135.D

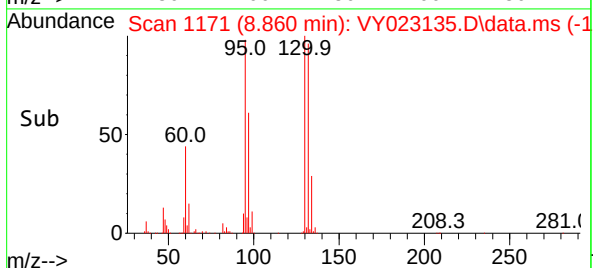
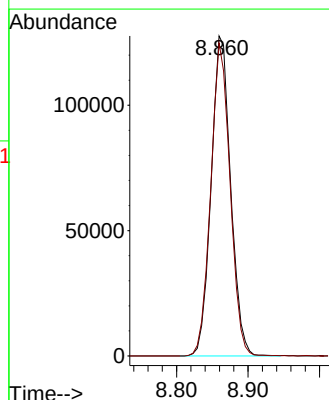
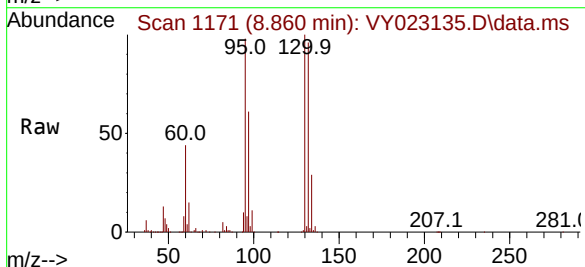
Acq: 15 Aug 2025 19:06

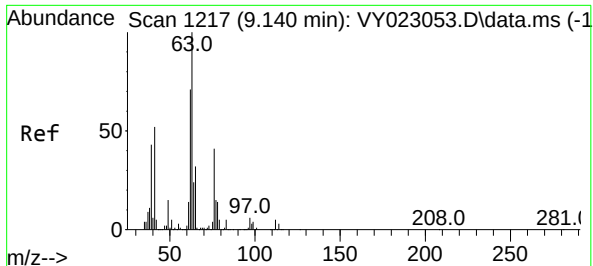
Tgt Ion:130 Resp: 241977

Ion Ratio Lower Upper

130 100

95 97.8 0.0 190.2





#45

1,2-Dichloropropane

Concen: 46.657 ug/l

RT: 9.140 min Scan# 1217

Delta R.T. 0.000 min

Lab File: VY023135.D

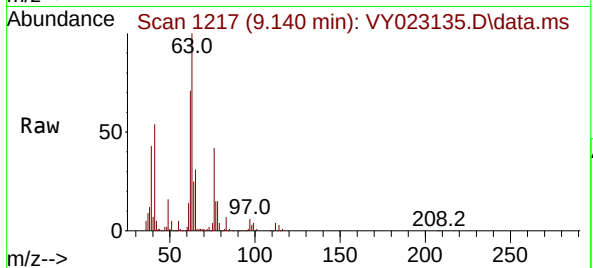
Acq: 15 Aug 2025 19:06

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC



Tgt Ion: 63 Resp: 211470

Ion Ratio Lower Upper

63 100

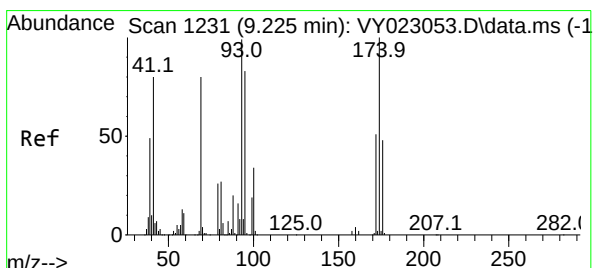
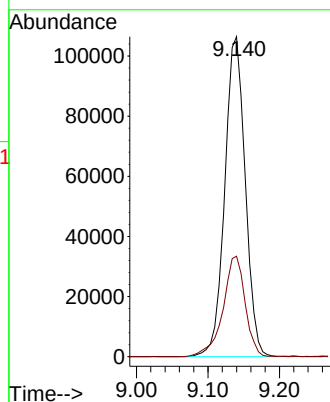
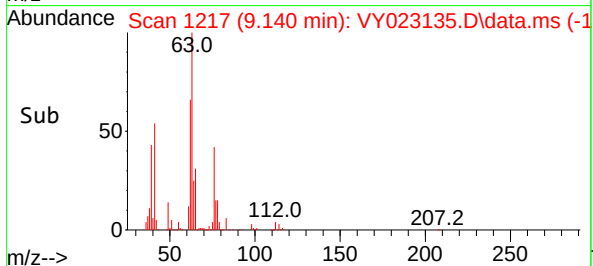
65 31.4 25.3 37.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/19/2025

Supervised By :Mahesh Dadoda 08/19/2025



#46

Dibromomethane

Concen: 45.999 ug/l

RT: 9.225 min Scan# 1231

Delta R.T. 0.000 min

Lab File: VY023135.D

Acq: 15 Aug 2025 19:06

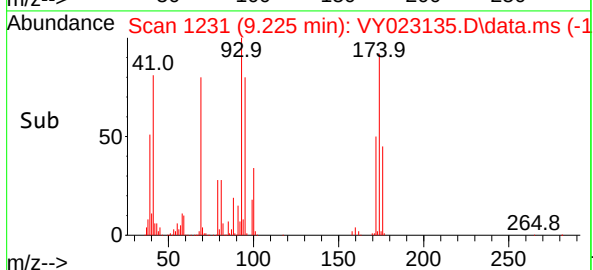
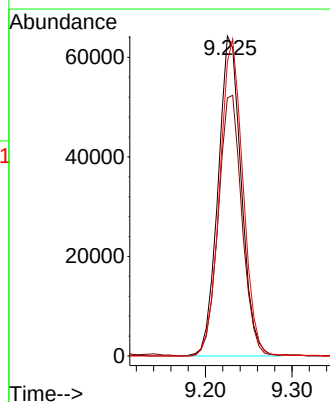
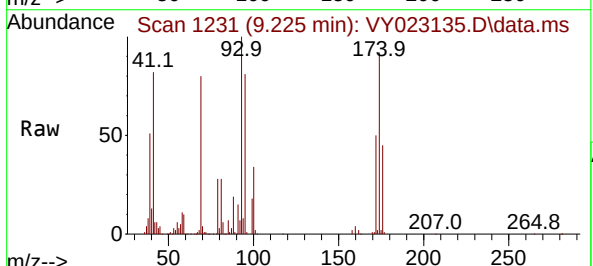
Tgt Ion: 93 Resp: 119663

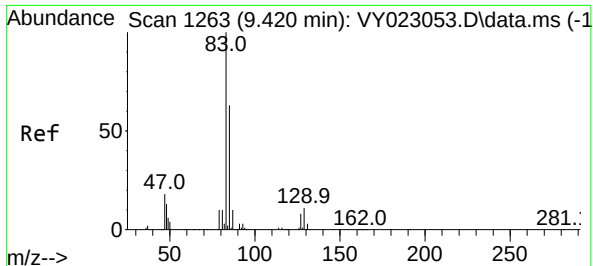
Ion Ratio Lower Upper

93 100

95 82.7 66.5 99.7

174 99.1 81.8 122.8





#47

Bromodichloromethane

Concen: 46.439 ug/l

RT: 9.420 min Scan# 1263

Delta R.T. 0.000 min

Lab File: VY023135.D

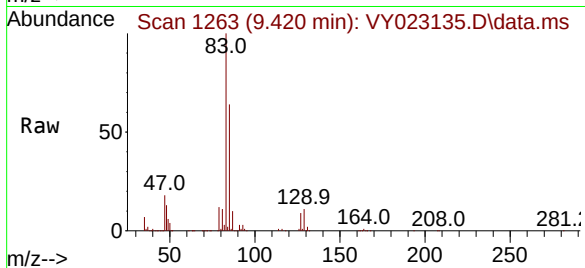
Acq: 15 Aug 2025 19:06

Instrument :

MSVOA_Y

ClientSampleId :

VSTDC050EC

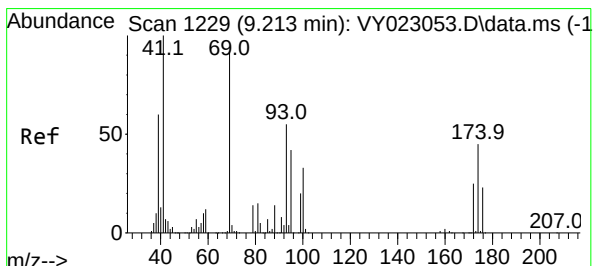
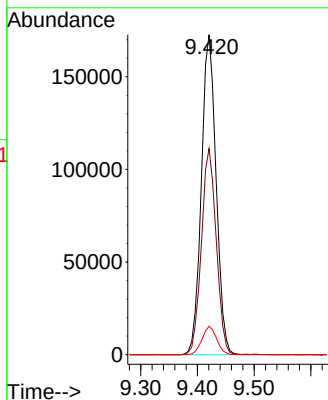
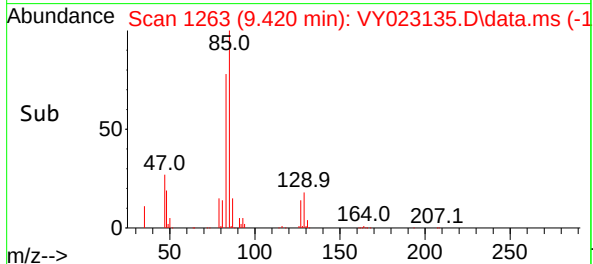


Tgt Ion:	83	Resp:	31085
Ion	Ratio	Lower	Upper
83	100		
85	64.5	50.2	75.4
127	8.9	6.6	10.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025



#48

Methyl methacrylate

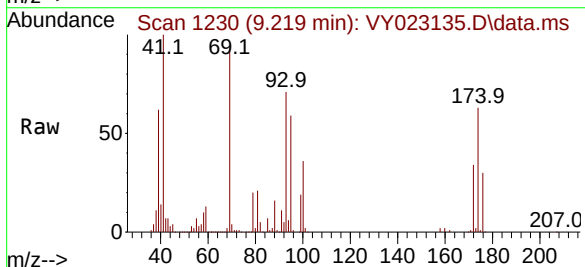
Concen: 45.295 ug/l

RT: 9.219 min Scan# 1230

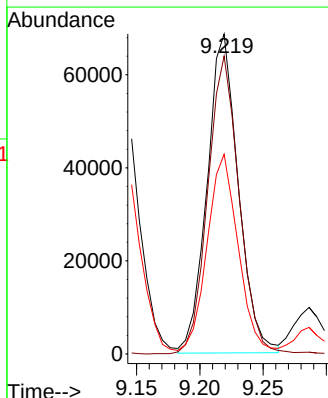
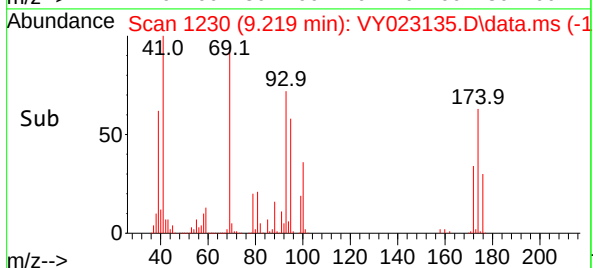
Delta R.T. 0.006 min

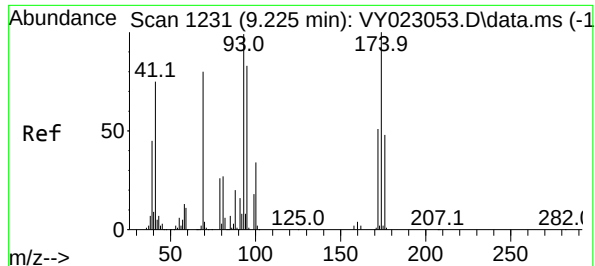
Lab File: VY023135.D

Acq: 15 Aug 2025 19:06



Tgt Ion:	41	Resp:	117614
Ion	Ratio	Lower	Upper
41	100		
69	93.9	73.2	109.8
39	60.4	47.0	70.4





#49

1,4-Dioxane

Concen: 902.014 ug/l

RT: 9.225 min Scan# 1231

Delta R.T. 0.000 min

Lab File: VY023135.D

Acq: 15 Aug 2025 19:06

Instrument :

MSVOA_Y

ClientSampleId :

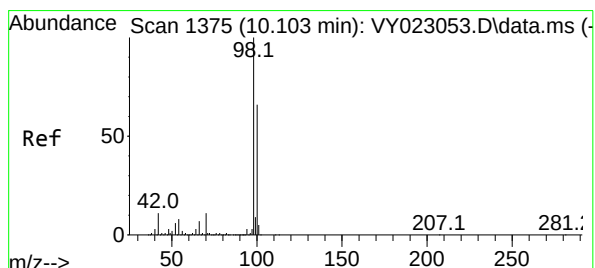
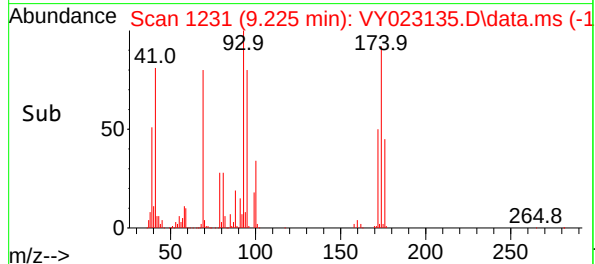
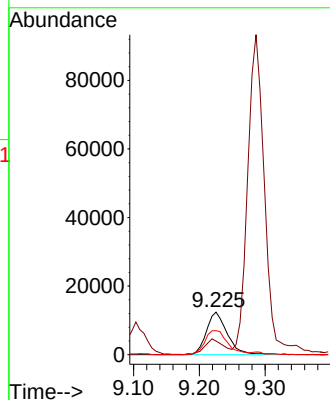
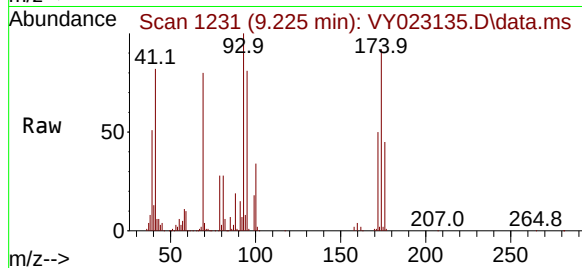
VSTDCCC050EC

Tgt Ion:	88	Resp:	27514
Ion	Ratio	Lower	Upper
88	100		
43	32.9	24.3	36.5
58	61.0	55.4	83.0

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025



#50

Toluene-d8

Concen: 49.738 ug/l

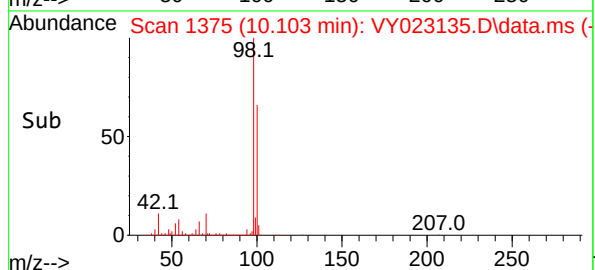
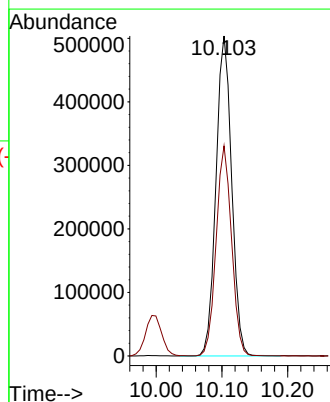
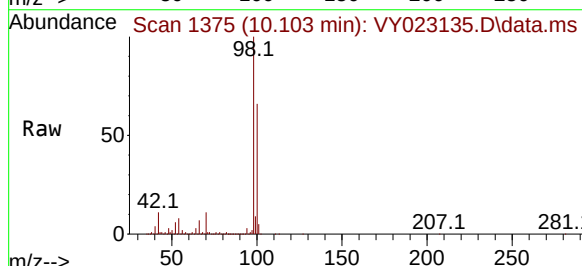
RT: 10.103 min Scan# 1375

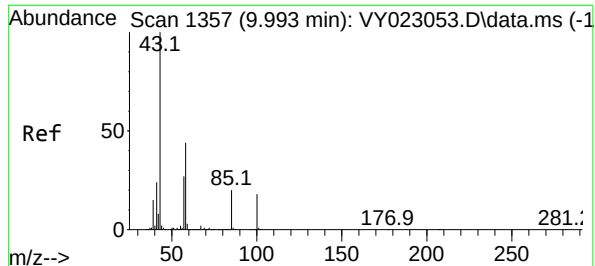
Delta R.T. 0.000 min

Lab File: VY023135.D

Acq: 15 Aug 2025 19:06

Tgt Ion:	98	Resp:	835617
Ion	Ratio	Lower	Upper
98	100		
100	64.7	52.3	78.5





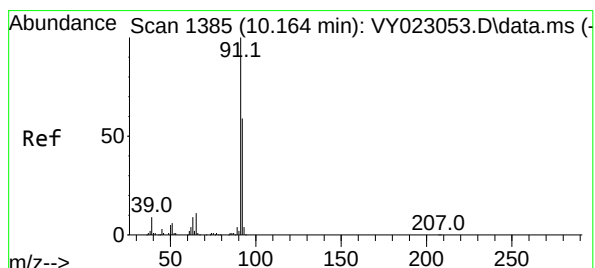
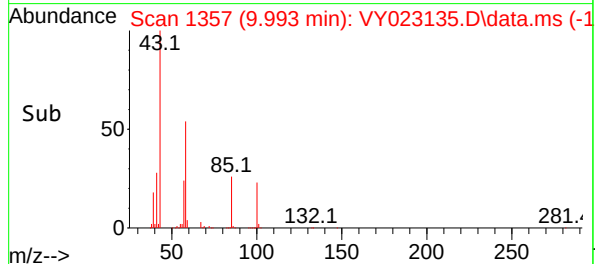
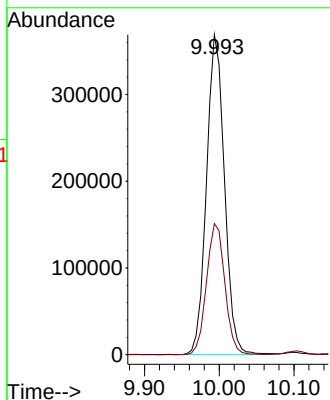
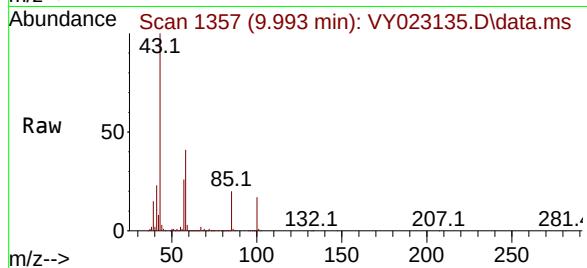
#51
4-Methyl-2-Pentanone
Concen: 219.870 ug/l
RT: 9.993 min Scan# 1357
Delta R.T. 0.000 min
Lab File: VY023135.D
Acq: 15 Aug 2025 19:06

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 61542
Ion Ratio Lower Upper
43 100
58 41.9 33.5 50.3

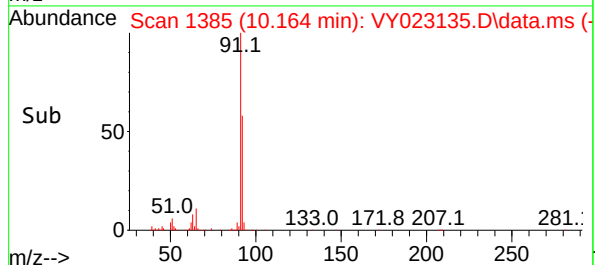
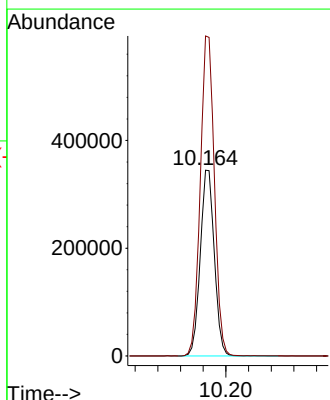
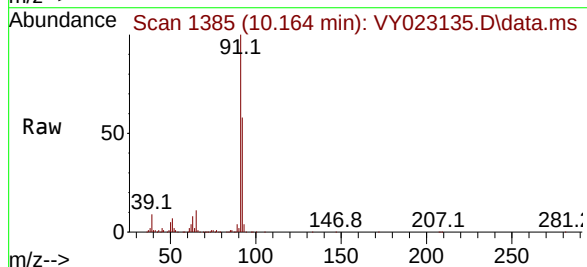
Manual Integrations
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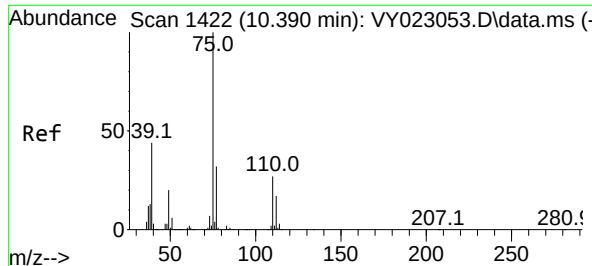
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025



#52
Toluene
Concen: 47.285 ug/l
RT: 10.164 min Scan# 1385
Delta R.T. 0.000 min
Lab File: VY023135.D
Acq: 15 Aug 2025 19:06

Tgt Ion: 92 Resp: 591580
Ion Ratio Lower Upper
92 100
91 172.9 136.4 204.6





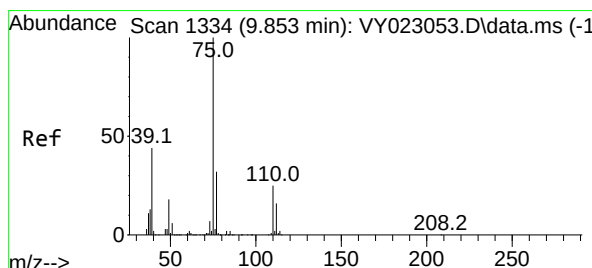
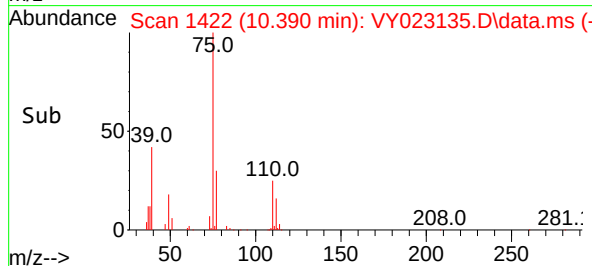
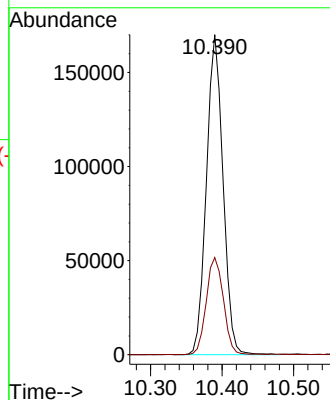
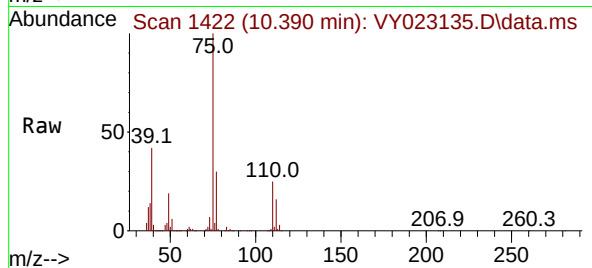
#53
t-1,3-Dichloropropene
Concen: 45.264 ug/l
RT: 10.390 min Scan# 1422
Delta R.T. 0.000 min
Lab File: VY023135.D
Acq: 15 Aug 2025 19:06

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 274370
Ion Ratio Lower Upper
75 100
77 30.3 25.7 38.5

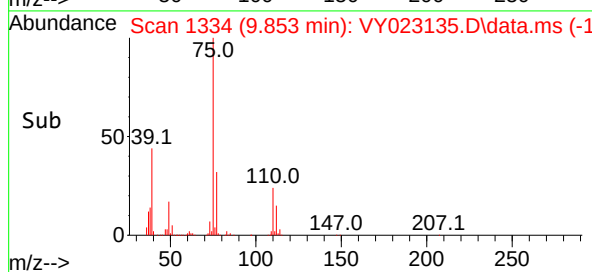
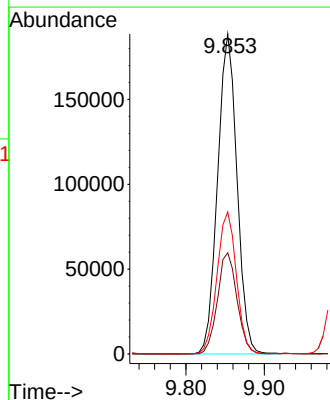
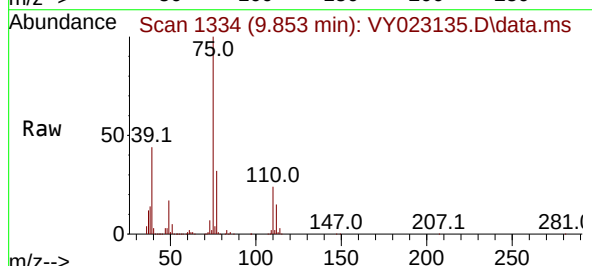
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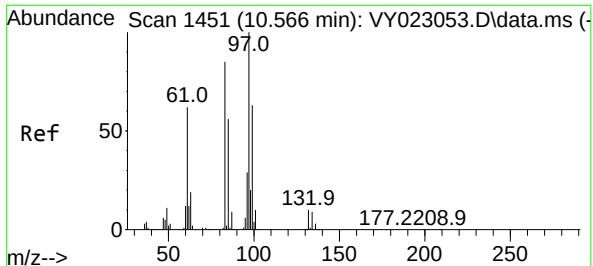
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025



#54
cis-1,3-Dichloropropene
Concen: 45.347 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY023135.D
Acq: 15 Aug 2025 19:06

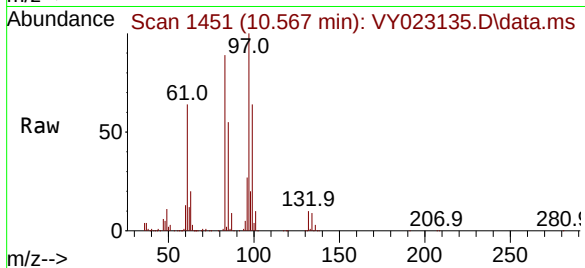
Tgt Ion: 75 Resp: 325037
Ion Ratio Lower Upper
75 100
77 31.6 25.4 38.0
39 44.4 35.6 53.4





#55
1,1,2-Trichloroethane
Concen: 45.358 ug/l
RT: 10.567 min Scan# 1451
Delta R.T. 0.000 min
Lab File: VY023135.D
Acq: 15 Aug 2025 19:06

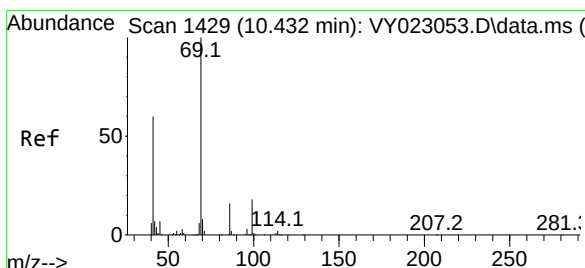
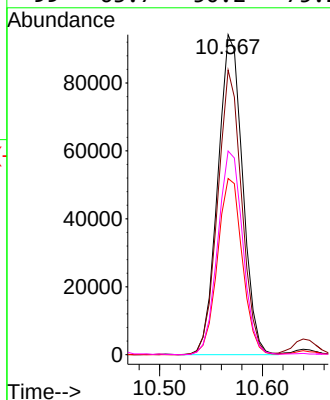
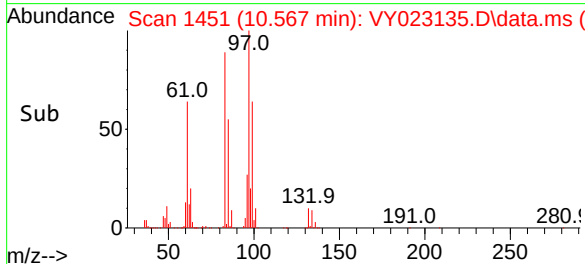
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC



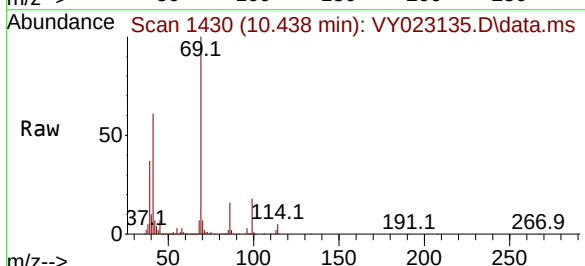
Tgt Ion: 97 Resp: 15789
Ion Ratio Lower Upper
97 100
83 89.0 67.7 101.5
85 55.1 44.5 66.7
99 63.7 50.2 75.2

Manual Integrations
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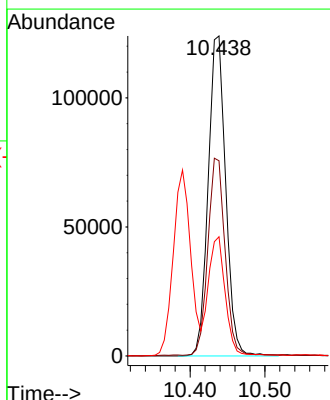
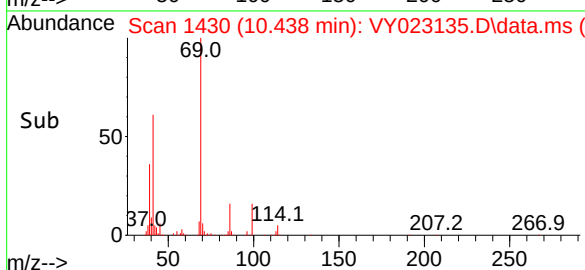
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025

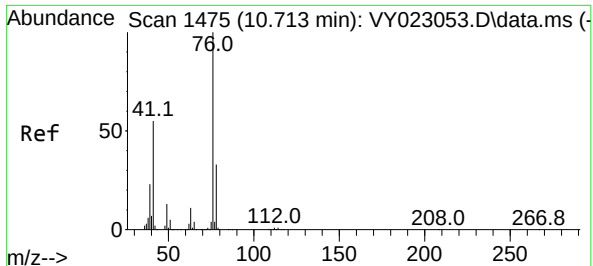


#56
Ethyl methacrylate
Concen: 45.302 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.006 min
Lab File: VY023135.D
Acq: 15 Aug 2025 19:06



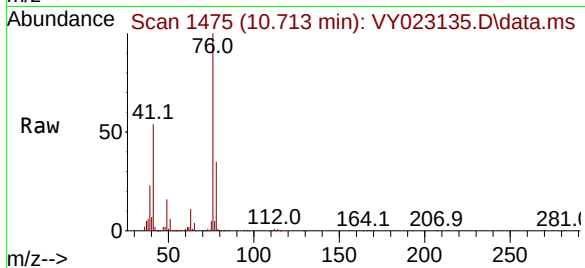
Tgt Ion: 69 Resp: 201789
Ion Ratio Lower Upper
69 100
41 61.9 48.6 72.8
39 35.7 27.0 40.4





#57
1,3-Dichloropropane
Concen: 45.582 ug/l
RT: 10.713 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VY023135.D
Acq: 15 Aug 2025 19:06

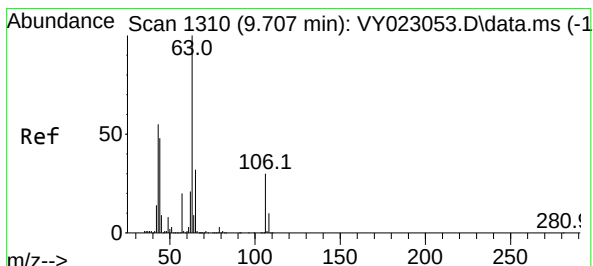
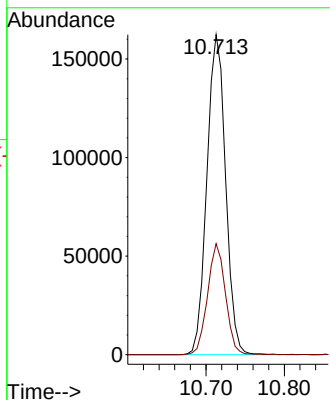
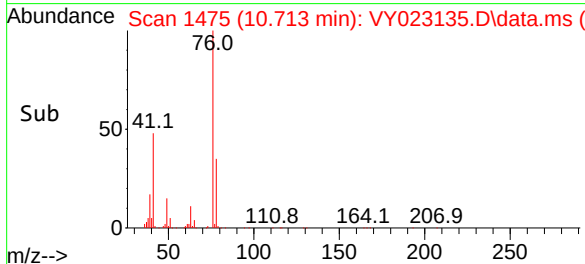
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC



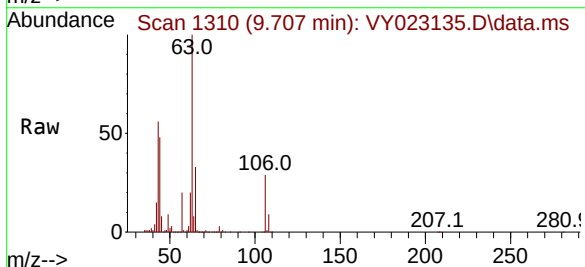
Tgt Ion: 76 Resp: 269094
Ion Ratio Lower Upper
76 100
78 33.2 26.0 39.0

Manual Integrations
APPROVED

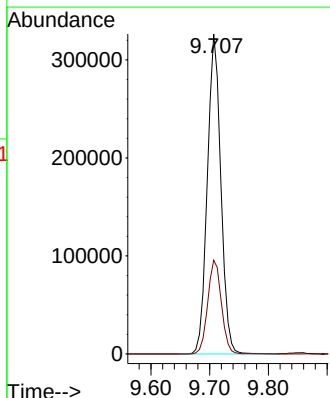
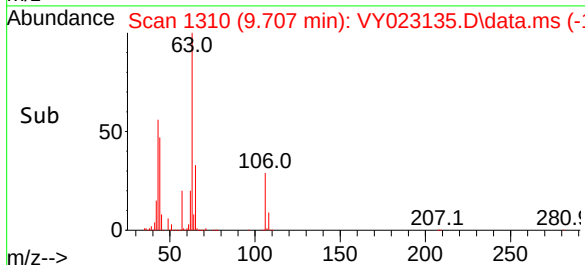
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025

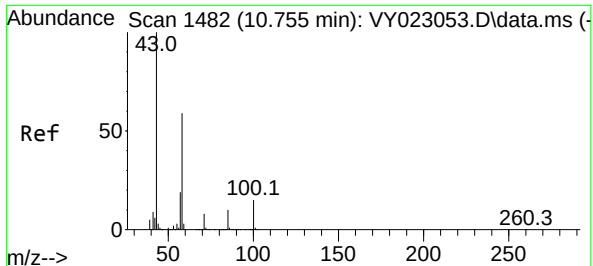


#58
2-Chloroethyl Vinyl ether
Concen: 247.890 ug/l
RT: 9.707 min Scan# 1310
Delta R.T. 0.000 min
Lab File: VY023135.D
Acq: 15 Aug 2025 19:06



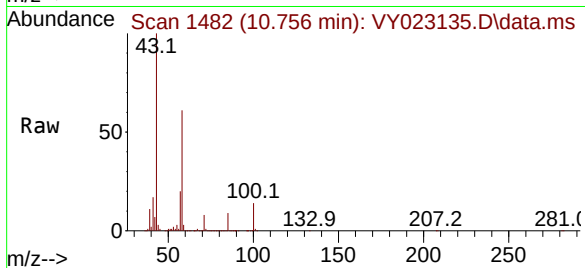
Tgt Ion: 63 Resp: 520841
Ion Ratio Lower Upper
63 100
106 29.7 23.2 34.8





#59
2-Hexanone
Concen: 211.536 ug/l
RT: 10.756 min Scan# 1482
Delta R.T. 0.000 min
Lab File: VY023135.D
Acq: 15 Aug 2025 19:06

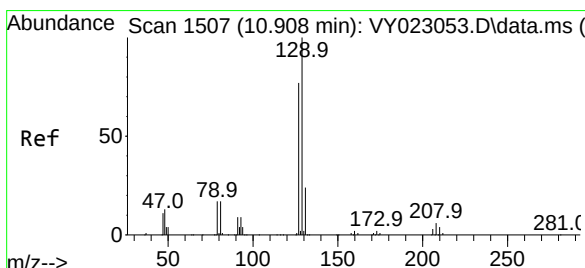
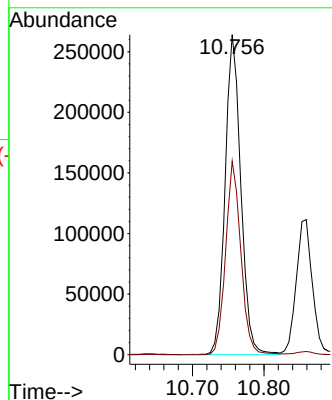
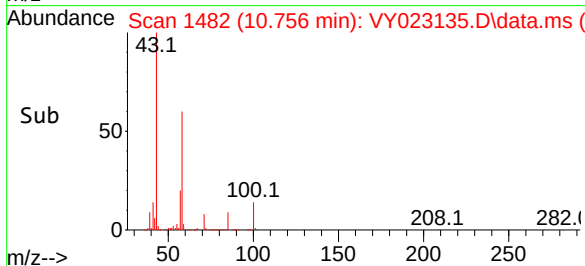
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC



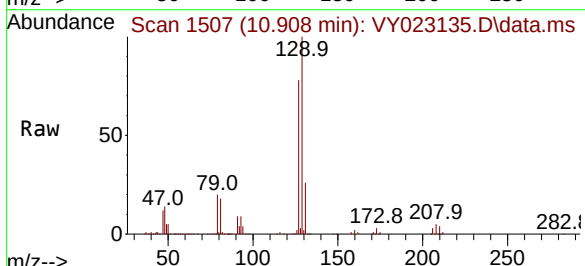
Tgt Ion: 43 Resp: 403170
Ion Ratio Lower Upper
43 100
58 58.6 29.5 88.5

Manual Integrations
APPROVED

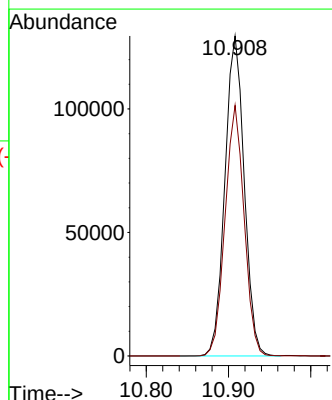
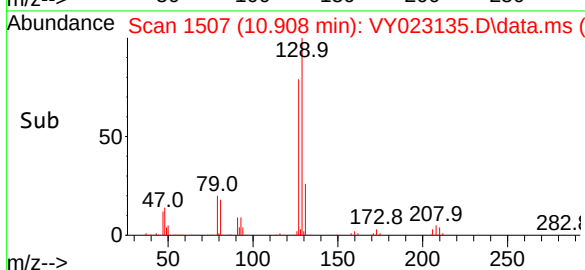
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025

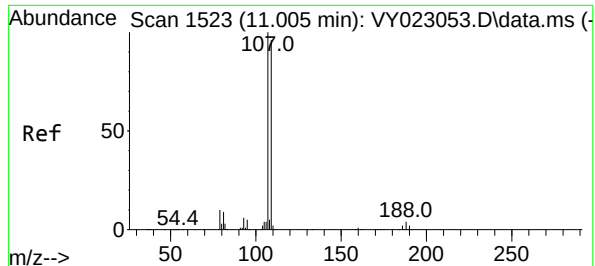


#60
Dibromochloromethane
Concen: 46.058 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY023135.D
Acq: 15 Aug 2025 19:06



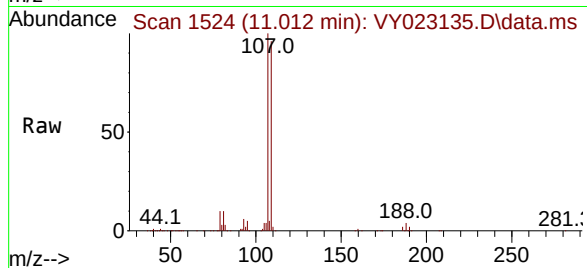
Tgt Ion:129 Resp: 211553
Ion Ratio Lower Upper
129 100
127 77.3 38.5 115.5





#61
1,2-Dibromoethane
Concen: 45.352 ug/l
RT: 11.012 min Scan# 1523
Delta R.T. 0.006 min
Lab File: VY023135.D
Acq: 15 Aug 2025 19:06

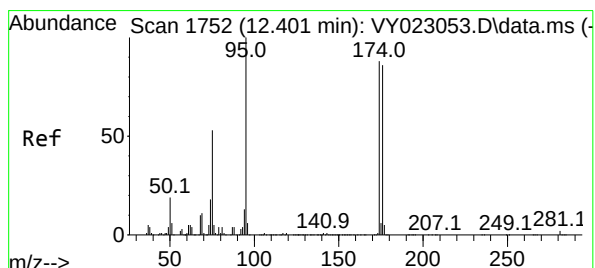
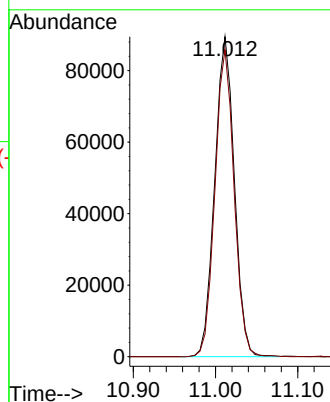
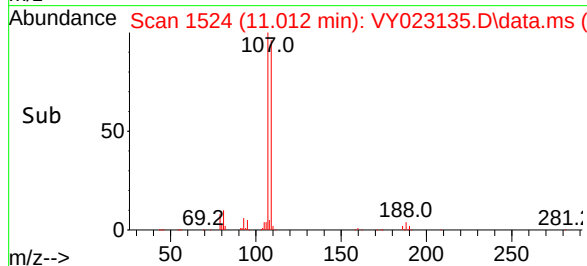
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC



Tgt Ion:107 Resp: 14838
Ion Ratio Lower Upper
107 100
109 93.7 75.6 113.4

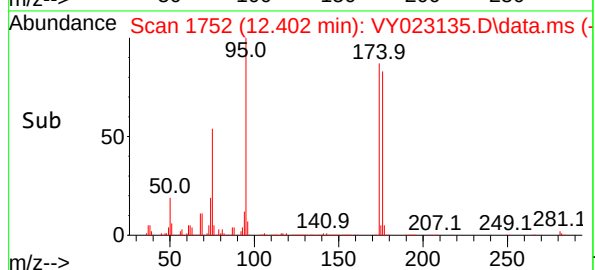
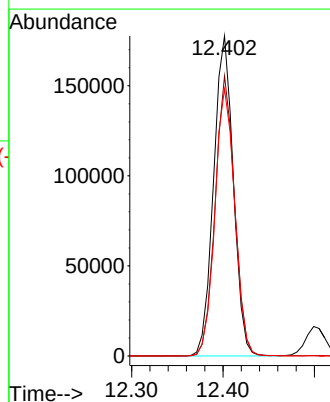
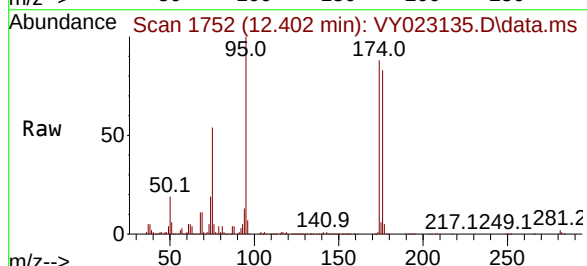
Manual Integrations
APPROVED

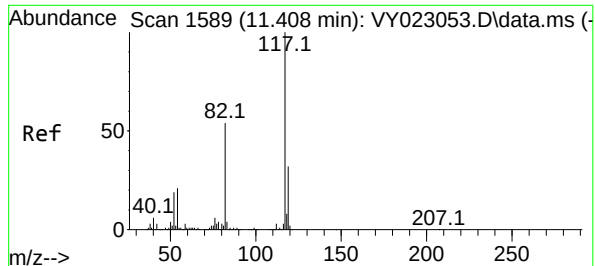
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025



#62
4-Bromofluorobenzene
Concen: 49.275 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023135.D
Acq: 15 Aug 2025 19:06

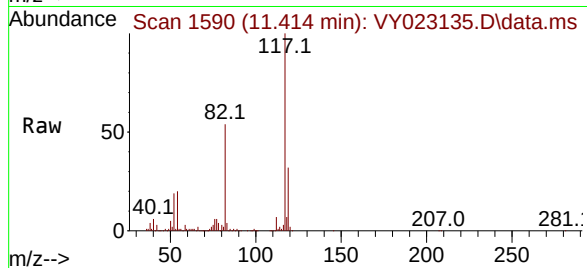
Tgt Ion: 95 Resp: 266231
Ion Ratio Lower Upper
95 100
174 86.1 0.0 171.6
176 84.1 0.0 167.6





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023135.D
Acq: 15 Aug 2025 19:06

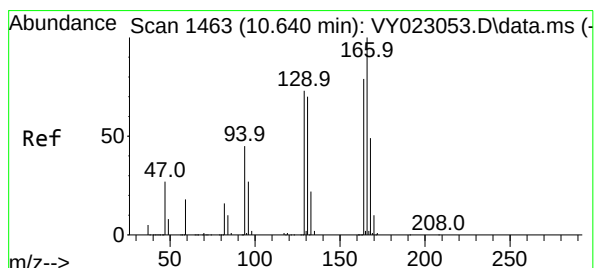
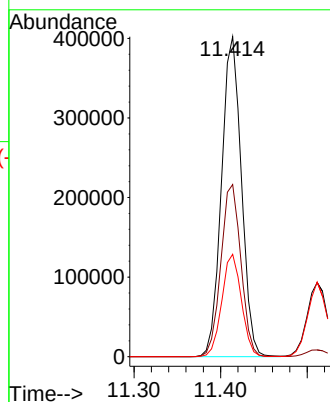
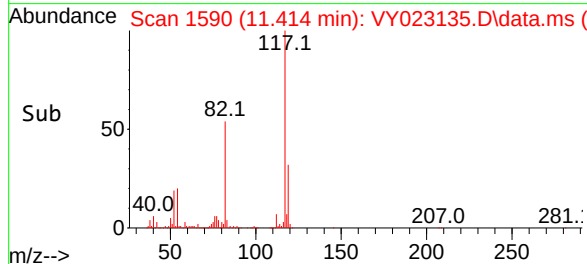
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC



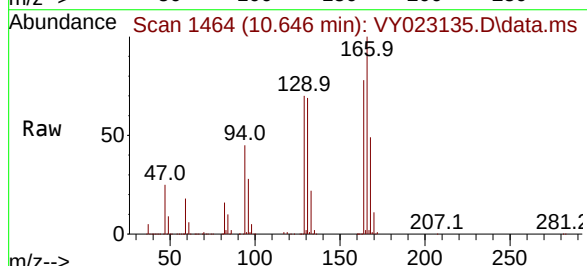
Tgt Ion:117 Resp: 64079
Ion Ratio Lower Upper
117 100
82 53.8 43.4 65.0
119 32.0 25.6 38.4

Manual Integrations
APPROVED

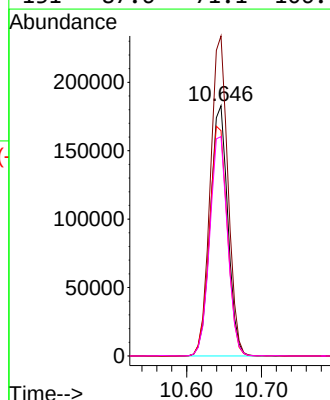
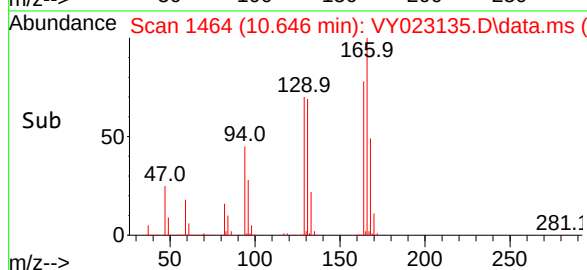
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025

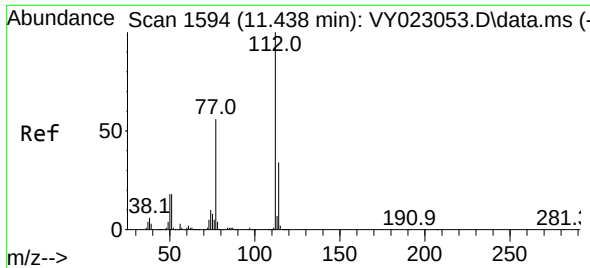


#64
Tetrachloroethene
Concen: 52.075 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.006 min
Lab File: VY023135.D
Acq: 15 Aug 2025 19:06



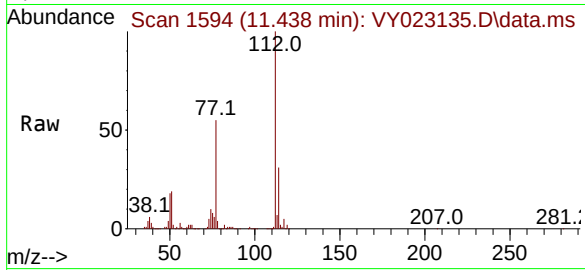
Tgt Ion:164 Resp: 297964
Ion Ratio Lower Upper
164 100
166 127.9 101.1 151.7
129 90.0 74.0 111.0
131 87.6 71.1 106.7





#65
Chlorobenzene
Concen: 46.339 ug/l
RT: 11.438 min Scan# 1594
Delta R.T. 0.000 min
Lab File: VY023135.D
Acq: 15 Aug 2025 19:06

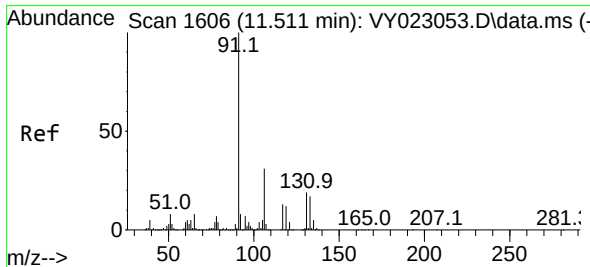
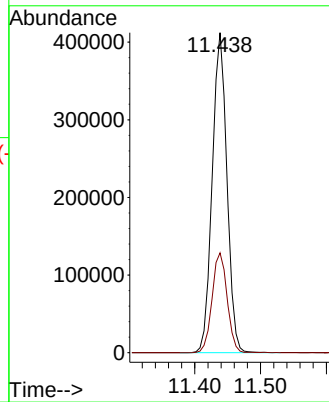
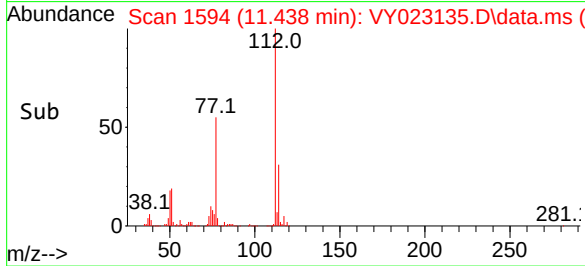
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC



Tgt Ion:112 Resp: 640490
Ion Ratio Lower Upper
112 100
114 31.2 27.0 40.4

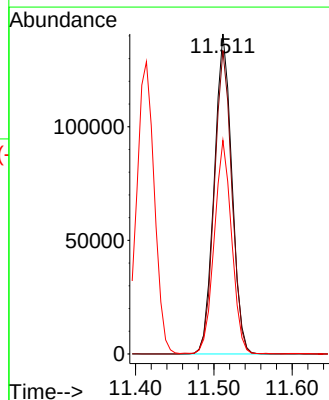
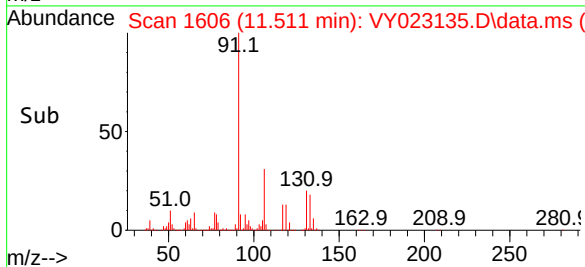
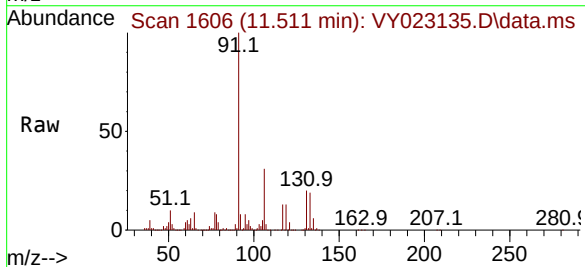
Manual Integrations
APPROVED

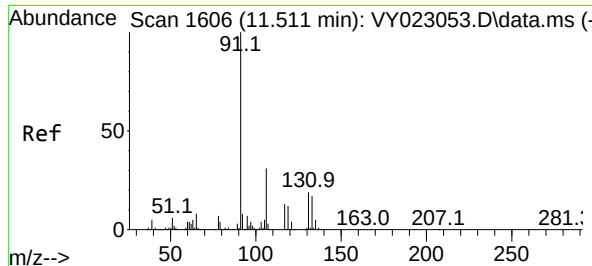
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 46.876 ug/l
RT: 11.511 min Scan# 1606
Delta R.T. 0.000 min
Lab File: VY023135.D
Acq: 15 Aug 2025 19:06

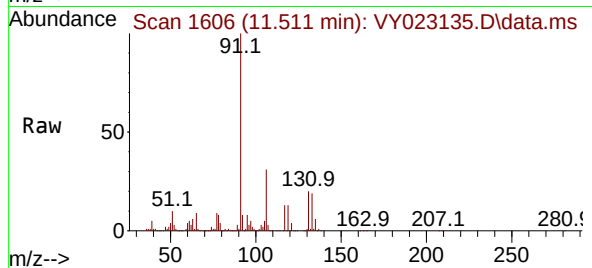
Tgt Ion:131 Resp: 219895
Ion Ratio Lower Upper
131 100
133 94.4 46.9 140.6
119 65.9 33.2 99.6





#67
Ethyl Benzene
Concen: 47.266 ug/l
RT: 11.511 min Scan# 1606
Delta R.T. 0.000 min
Lab File: VY023135.D
Acq: 15 Aug 2025 19:06

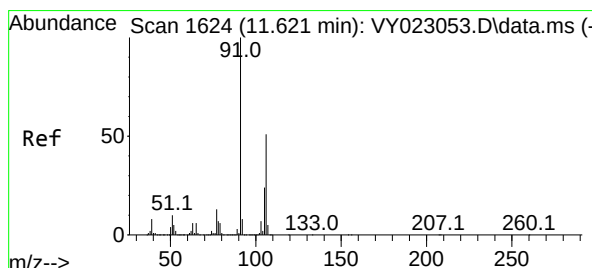
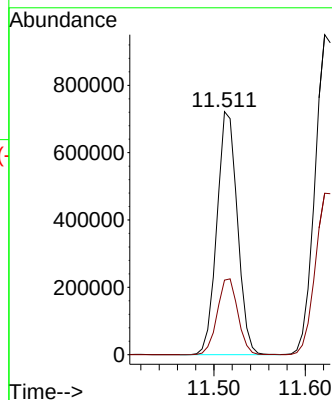
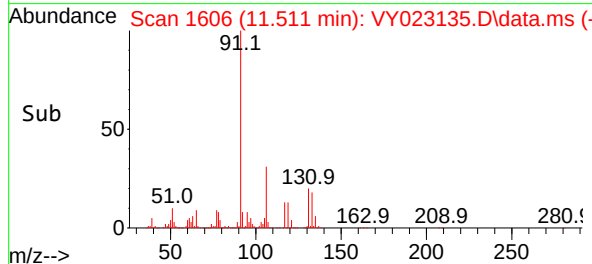
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC



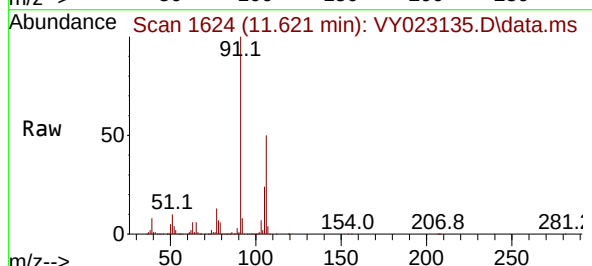
Tgt Ion: 91 Resp: 1124279
Ion Ratio Lower Upper
91 100
106 30.7 25.0 37.4

Manual Integrations
APPROVED

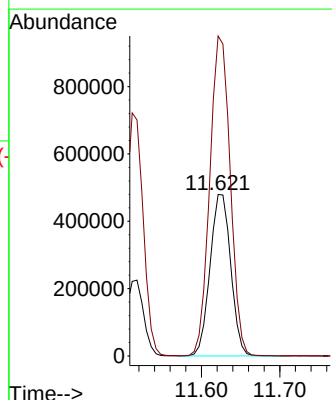
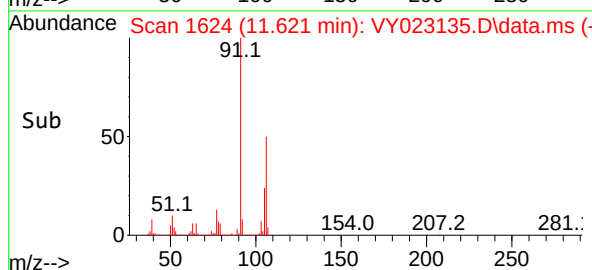
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025

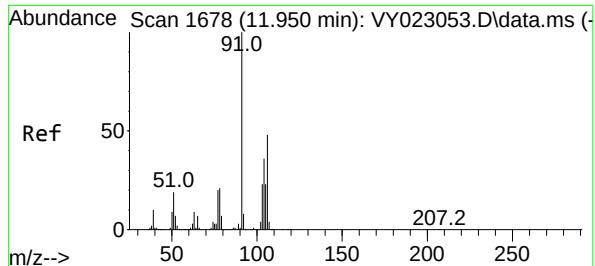


#68
m/p-Xylenes
Concen: 94.610 ug/l
RT: 11.621 min Scan# 1624
Delta R.T. 0.000 min
Lab File: VY023135.D
Acq: 15 Aug 2025 19:06



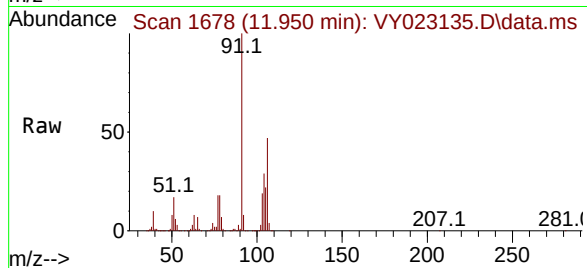
Tgt Ion:106 Resp: 878925
Ion Ratio Lower Upper
106 100
91 196.6 158.6 238.0





#69
o-Xylene
Concen: 47.384 ug/l
RT: 11.950 min Scan# 1678
Delta R.T. 0.000 min
Lab File: VY023135.D
Acq: 15 Aug 2025 19:06

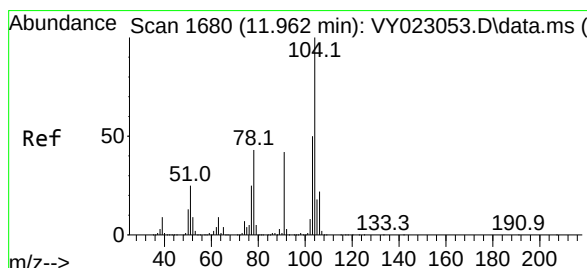
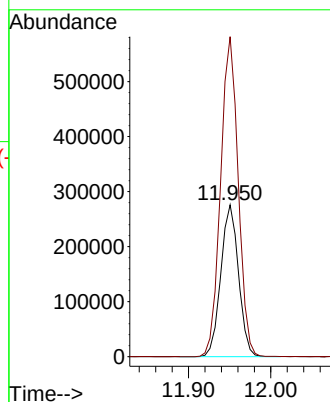
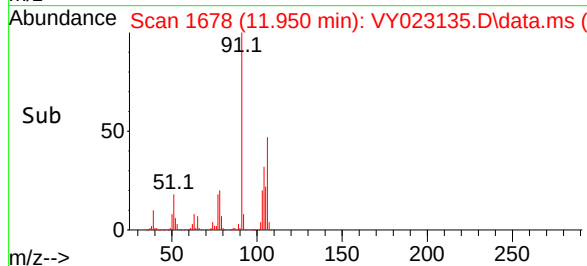
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC



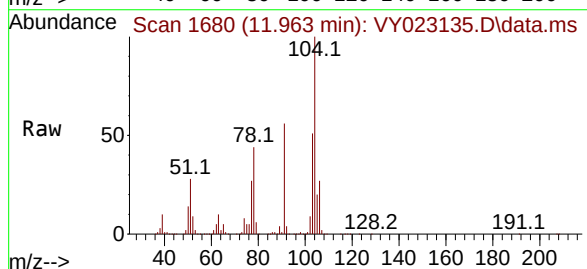
Tgt Ion:106 Resp: 41228
Ion Ratio Lower Upper
106 100
91 210.0 103.2 309.4

Manual Integrations
APPROVED

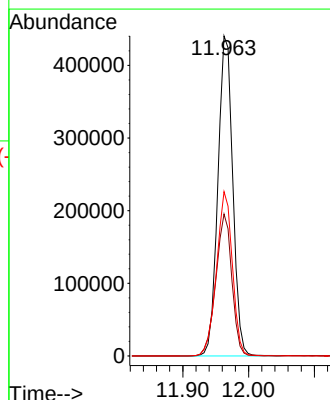
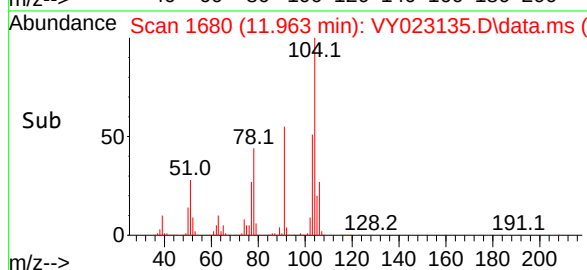
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025

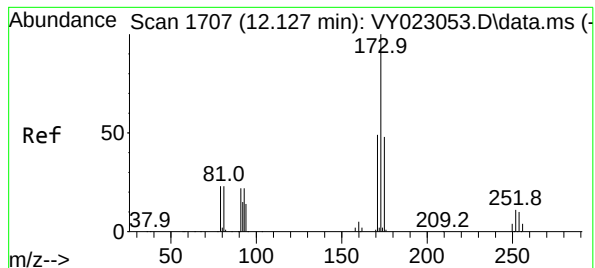


#70
Styrene
Concen: 48.738 ug/l
RT: 11.963 min Scan# 1680
Delta R.T. 0.000 min
Lab File: VY023135.D
Acq: 15 Aug 2025 19:06



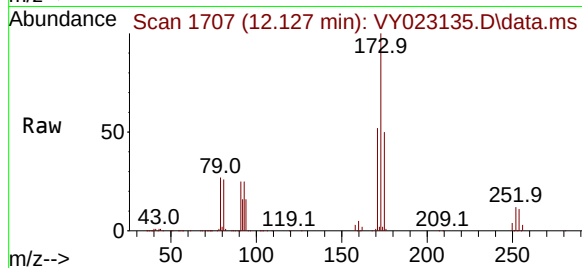
Tgt Ion:104 Resp: 693511
Ion Ratio Lower Upper
104 100
78 47.7 38.5 57.7
103 54.8 43.7 65.5





#71
Bromoform
Concen: 42.892 ug/l
RT: 12.127 min Scan# 1707
Delta R.T. 0.000 min
Lab File: VY023135.D
Acq: 15 Aug 2025 19:06

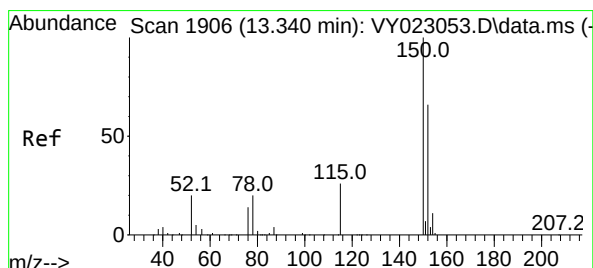
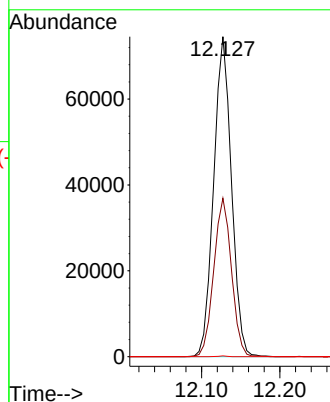
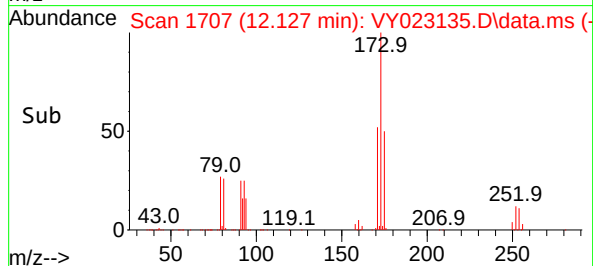
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC



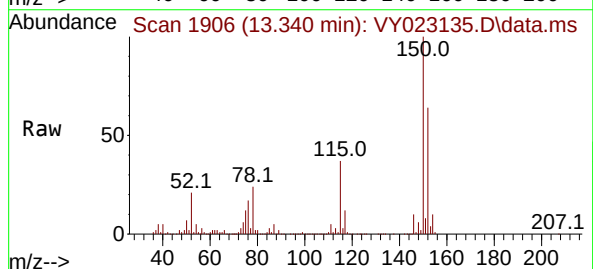
Tgt Ion:173 Resp: 11759
Ion Ratio Lower Upper
173 100
175 49.2 23.9 71.7
254 0.1 0.1 0.1

Manual Integrations
APPROVED

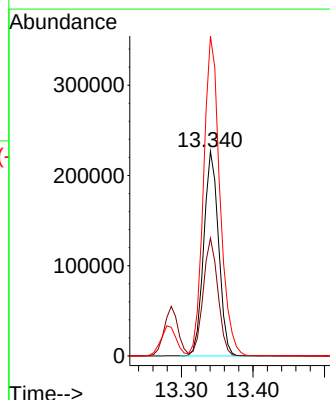
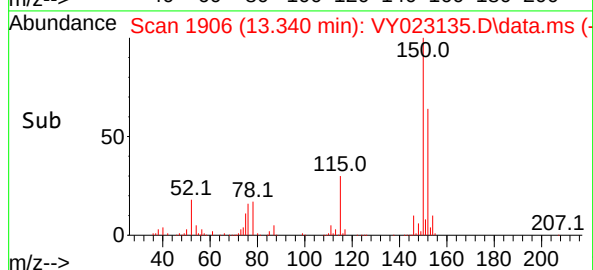
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025

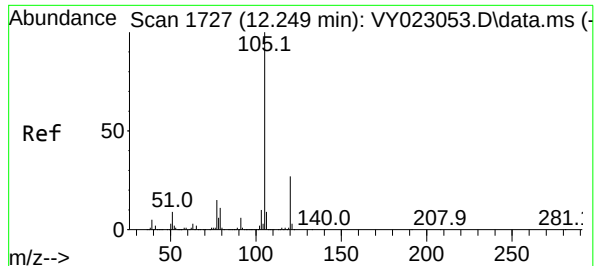


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.340 min Scan# 1906
Delta R.T. 0.000 min
Lab File: VY023135.D
Acq: 15 Aug 2025 19:06



Tgt Ion:152 Resp: 327055
Ion Ratio Lower Upper
152 100
115 57.2 28.2 84.6
150 172.0 0.0 348.0





#73

Isopropylbenzene

Concen: 46.232 ug/l

RT: 12.249 min Scan# 1727

Delta R.T. 0.000 min

Lab File: VY023135.D

Acq: 15 Aug 2025 19:06

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tgt Ion:105 Resp: 106718

Ion Ratio Lower Upper

105 100

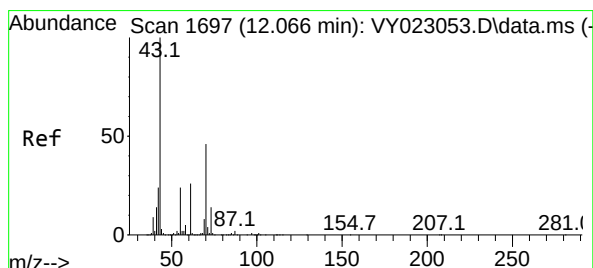
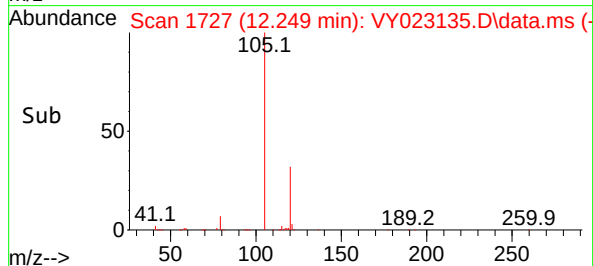
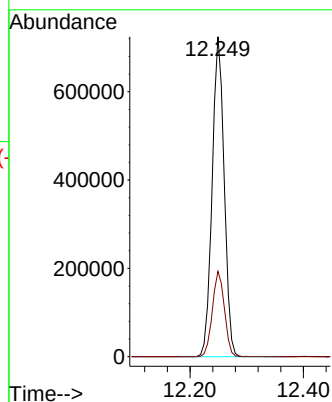
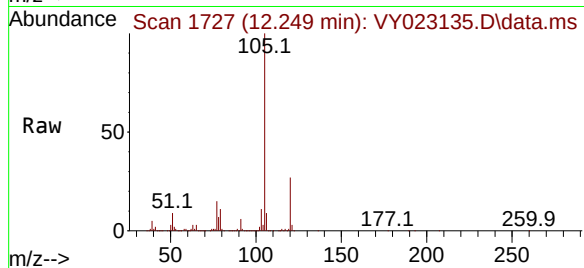
120 26.7 13.4 40.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/19/2025

Supervised By :Mahesh Dadoda 08/19/2025



#74

N-ethyl acetate

Concen: 41.170 ug/l

RT: 12.066 min Scan# 1697

Delta R.T. 0.000 min

Lab File: VY023135.D

Acq: 15 Aug 2025 19:06

Tgt Ion: 43 Resp: 201534

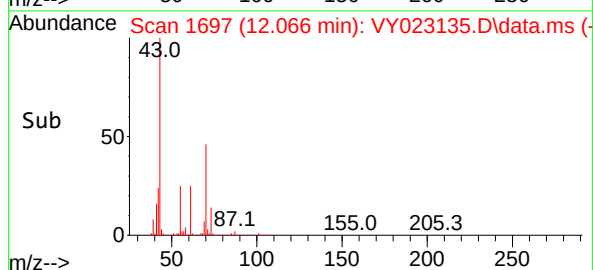
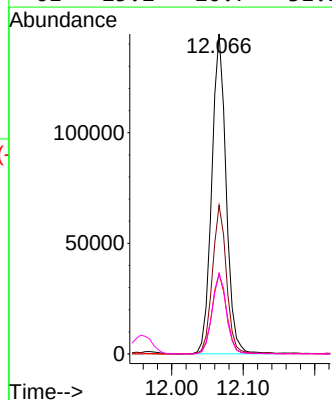
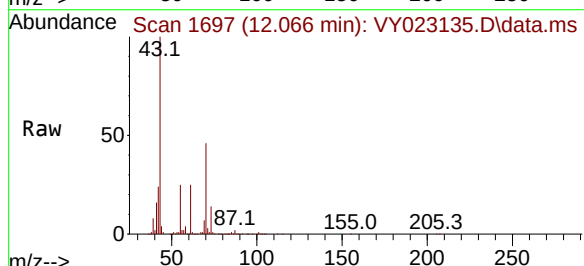
Ion Ratio Lower Upper

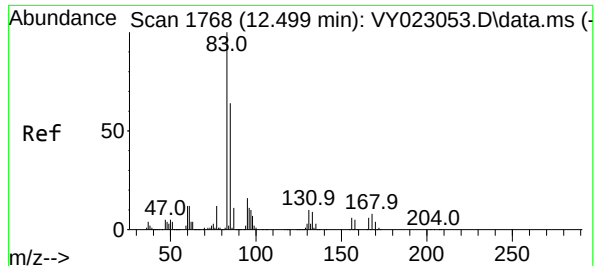
43 100

70 45.7 37.5 56.3

55 25.7 20.7 31.1

61 25.2 20.7 31.1





#75

1,1,2,2-Tetrachloroethane

Concen: 38.093 ug/l

RT: 12.499 min Scan# 1768

Delta R.T. 0.000 min

Lab File: VY023135.D

Acq: 15 Aug 2025 19:06

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 83 Resp: 150140

Ion Ratio Lower Upper

83 100

131 10.5 5.1 15.3

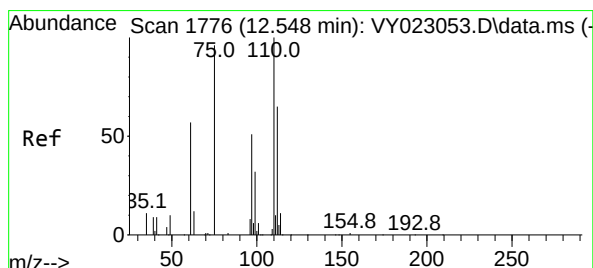
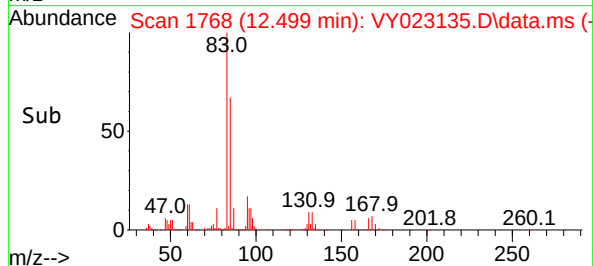
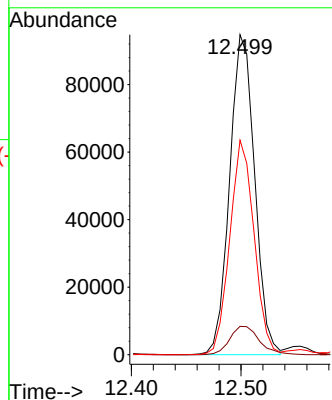
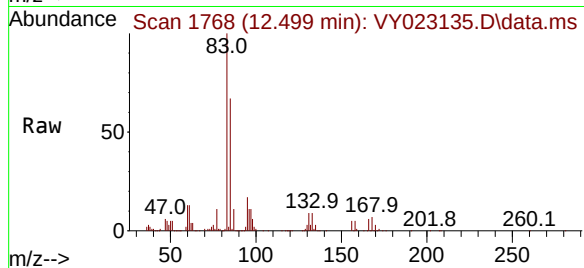
85 65.2 31.8 95.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/19/2025

Supervised By :Mahesh Dadoda 08/19/2025



#76

1,2,3-Trichloropropane

Concen: 41.694 ug/l m

RT: 12.548 min Scan# 1776

Delta R.T. 0.000 min

Lab File: VY023135.D

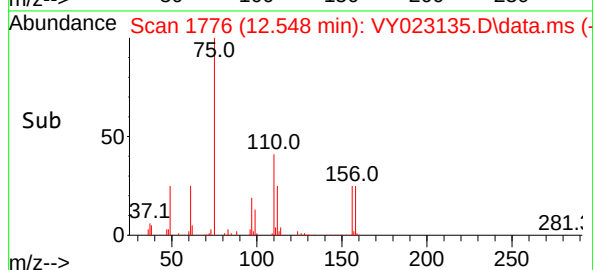
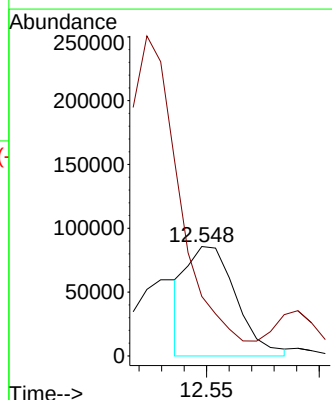
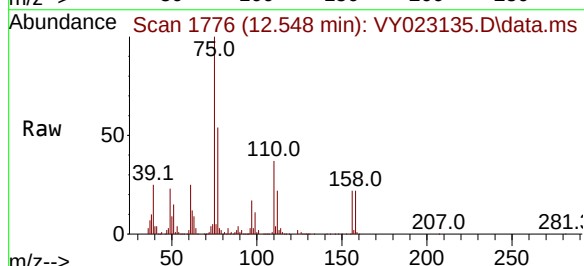
Acq: 15 Aug 2025 19:06

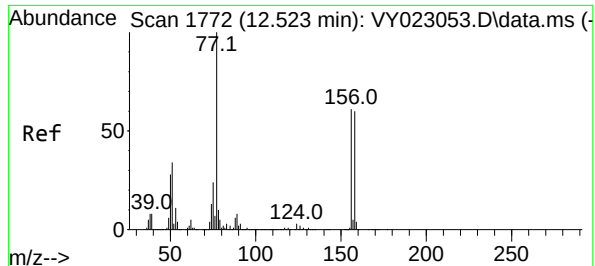
Tgt Ion: 75 Resp: 131604

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 44.080 ug/l

RT: 12.523 min Scan# 1772

Delta R.T. 0.000 min

Lab File: VY023135.D

Acq: 15 Aug 2025 19:06

Instrument :

MSVOA_Y

ClientSampleId :

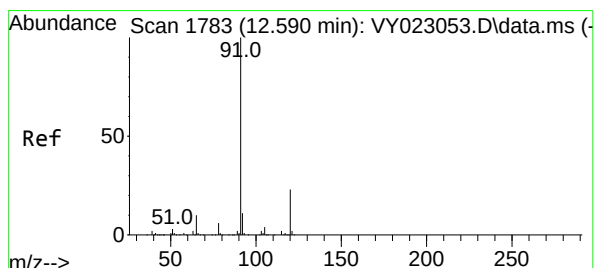
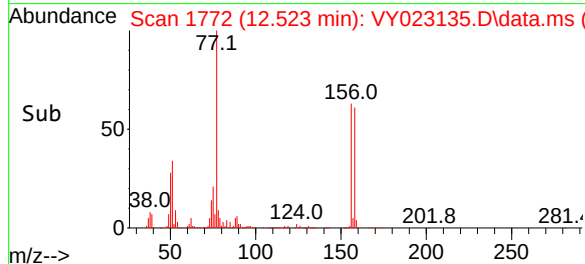
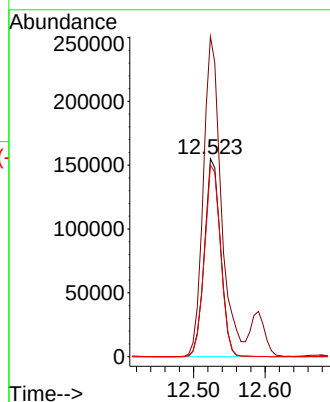
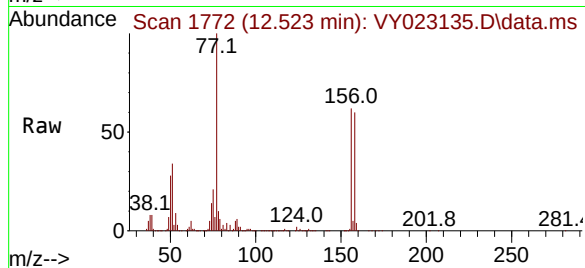
VSTDCCC050EC

Tgt Ion:	156	Resp:	242744
Ion Ratio	Lower	Upper	
156	100		
77	179.2	88.1	264.4
158	97.3	48.0	144.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/19/2025
 Supervised By :Mahesh Dadoda 08/19/2025



#78

n-propylbenzene

Concen: 46.593 ug/l

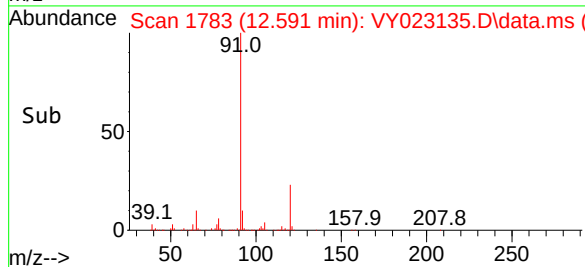
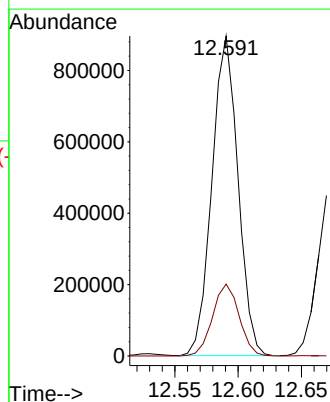
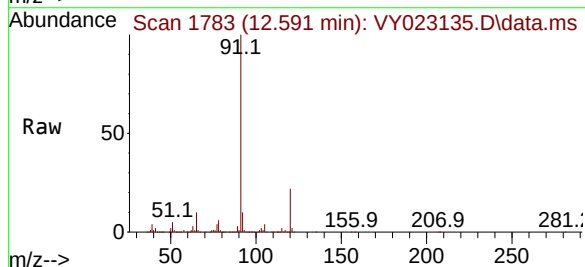
RT: 12.591 min Scan# 1783

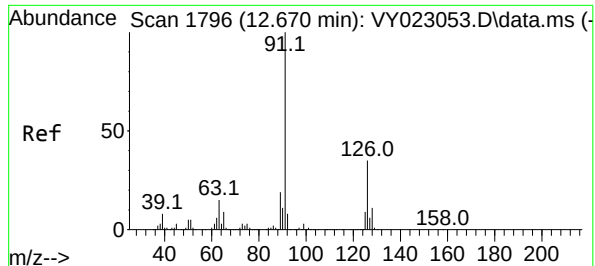
Delta R.T. 0.000 min

Lab File: VY023135.D

Acq: 15 Aug 2025 19:06

Tgt Ion:	91	Resp:	1280468
Ion Ratio	Lower	Upper	
91	100		
120	22.9	11.5	34.5





#79

2-Chlorotoluene

Concen: 46.284 ug/l

RT: 12.676 min Scan# 1796

Delta R.T. 0.006 min

Lab File: VY023135.D

Acq: 15 Aug 2025 19:06

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 91 Resp: 72878

Ion Ratio Lower Upper

91 100

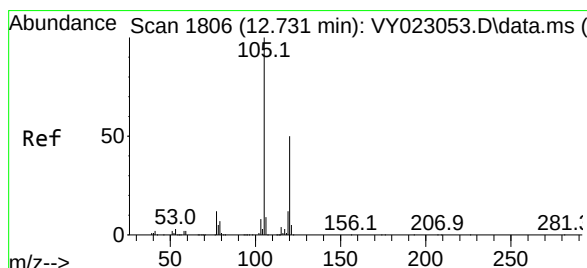
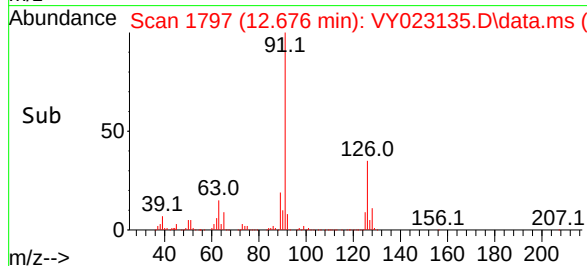
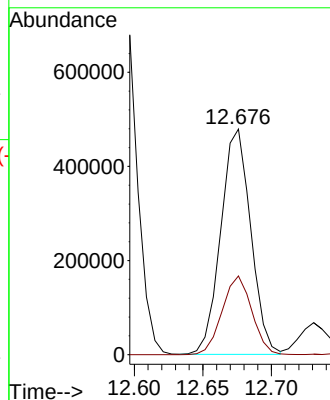
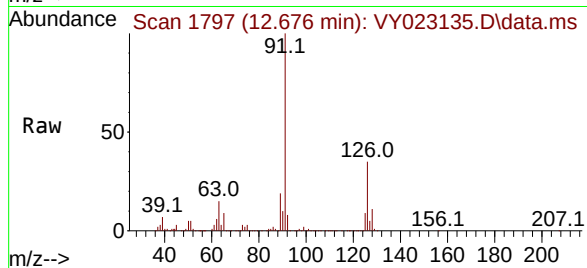
126 34.6 17.4 52.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/19/2025

Supervised By :Mahesh Dadoda 08/19/2025



#80

1,3,5-Trimethylbenzene

Concen: 46.663 ug/l

RT: 12.731 min Scan# 1806

Delta R.T. 0.000 min

Lab File: VY023135.D

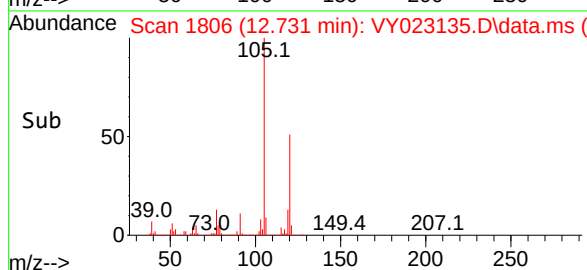
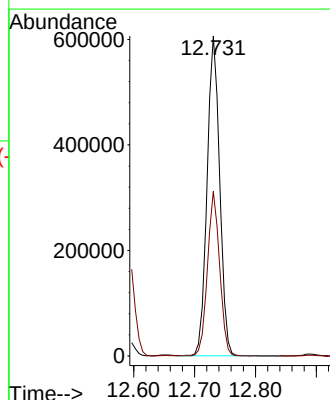
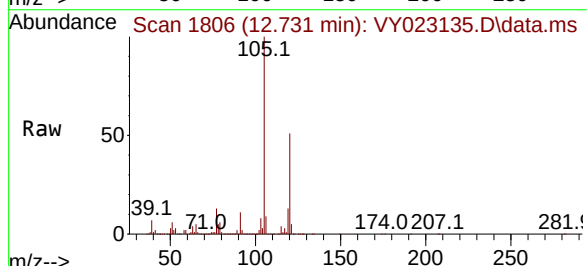
Acq: 15 Aug 2025 19:06

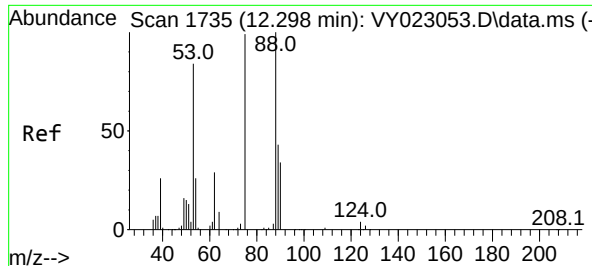
Tgt Ion:105 Resp: 870525

Ion Ratio Lower Upper

105 100

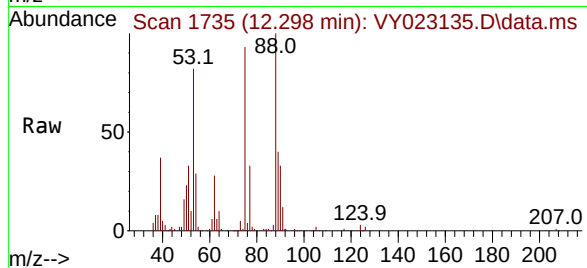
120 49.6 24.8 74.4





#81
trans-1,4-Dichloro-2-butene
Concen: 39.640 ug/l
RT: 12.298 min Scan# 1735
Delta R.T. 0.000 min
Lab File: VY023135.D
Acq: 15 Aug 2025 19:06

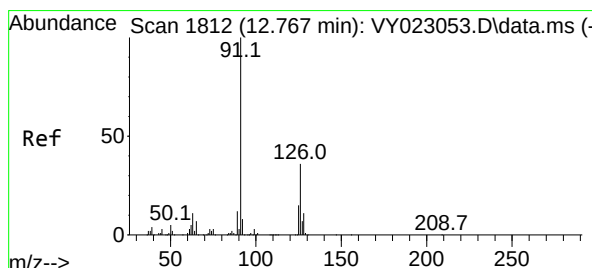
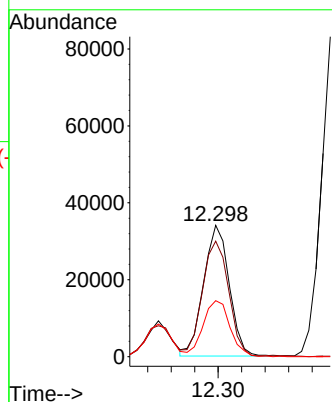
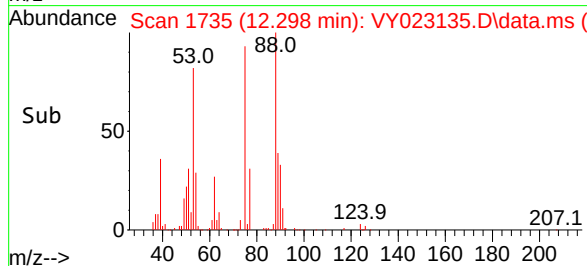
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC



Tgt Ion: 75 Resp: 5168
Ion Ratio Lower Upper
75 100
53 89.8 70.8 106.2
89 44.6 38.1 57.1

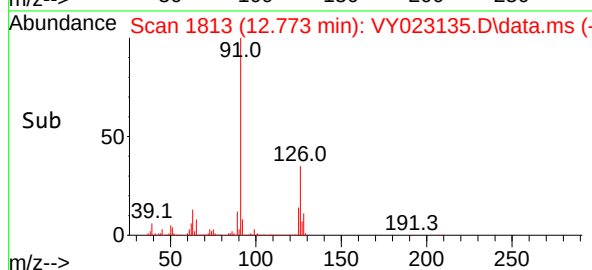
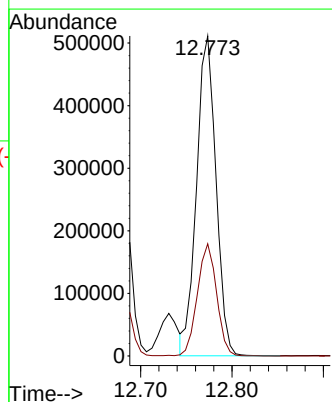
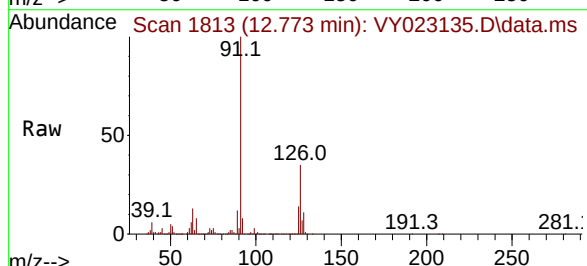
Manual Integrations
APPROVED

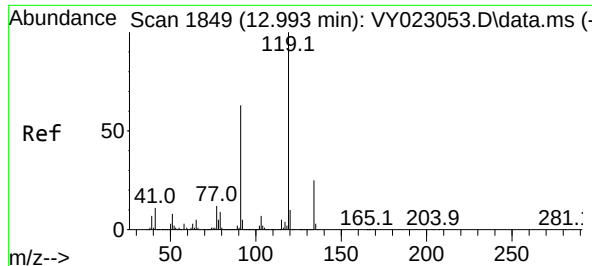
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025



#82
4-Chlorotoluene
Concen: 46.196 ug/l
RT: 12.773 min Scan# 1813
Delta R.T. 0.006 min
Lab File: VY023135.D
Acq: 15 Aug 2025 19:06

Tgt Ion: 91 Resp: 754599
Ion Ratio Lower Upper
91 100
126 34.9 17.3 52.0





#83

tert-Butylbenzene

Concen: 46.181 ug/l

RT: 12.993 min Scan# 1849

Delta R.T. 0.000 min

Lab File: VY023135.D

Acq: 15 Aug 2025 19:06

Instrument :

MSVOA_Y

ClientSampleId :

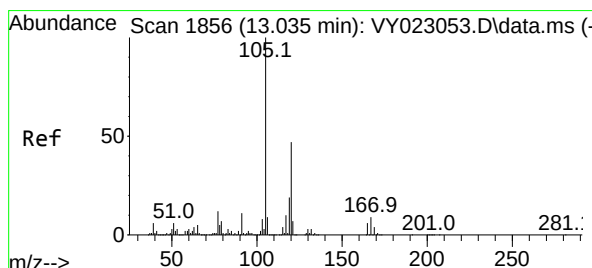
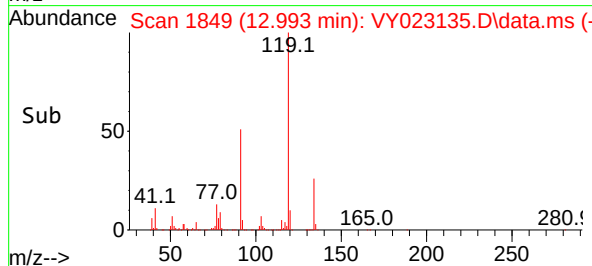
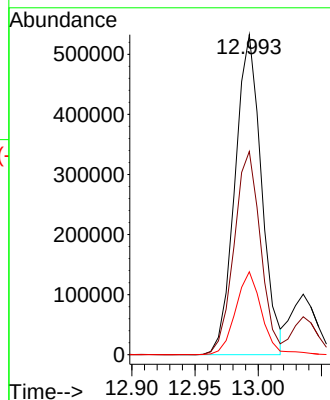
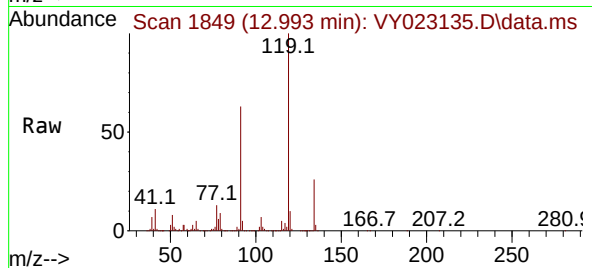
VSTDCCC050EC

Tgt Ion:119	Resp: 77811
Ion Ratio	Lower Upper
119 100	
91 63.5	31.6 94.8
134 25.6	12.9 38.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025



#84

1,2,4-Trimethylbenzene

Concen: 47.349 ug/l

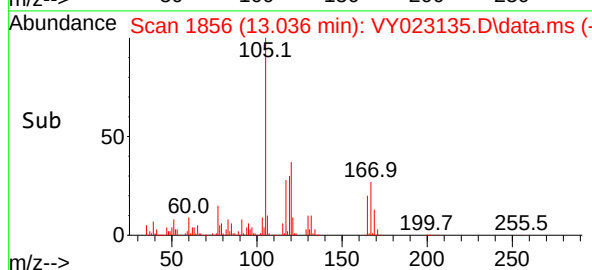
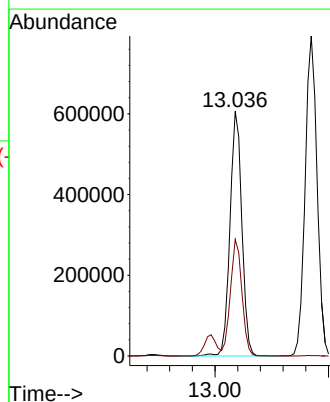
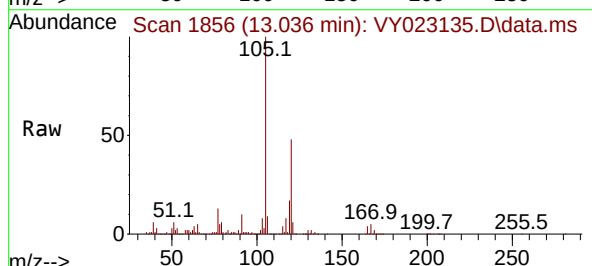
RT: 13.036 min Scan# 1856

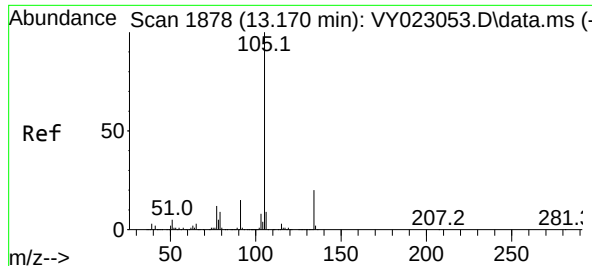
Delta R.T. 0.000 min

Lab File: VY023135.D

Acq: 15 Aug 2025 19:06

Tgt Ion:105	Resp: 879311
Ion Ratio	Lower Upper
105 100	
120 46.2	23.0 69.0





#85

sec-Butylbenzene

Concen: 46.712 ug/l

RT: 13.170 min Scan# 1878

Delta R.T. 0.000 min

Lab File: VY023135.D

Acq: 15 Aug 2025 19:06

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tgt Ion:105 Resp: 115616

Ion Ratio Lower Upper

105 100

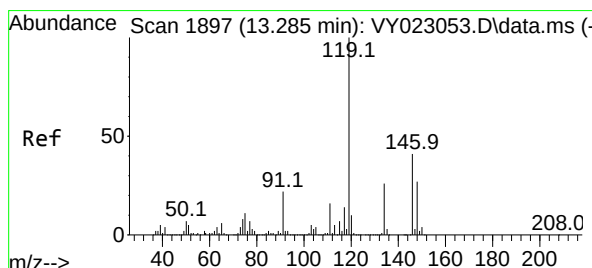
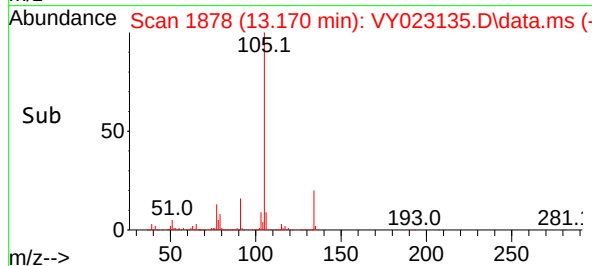
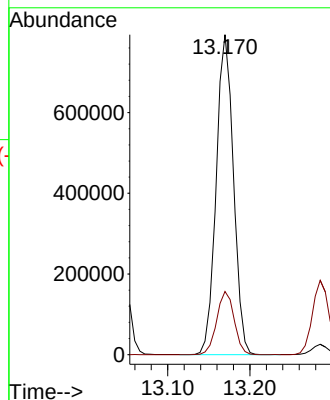
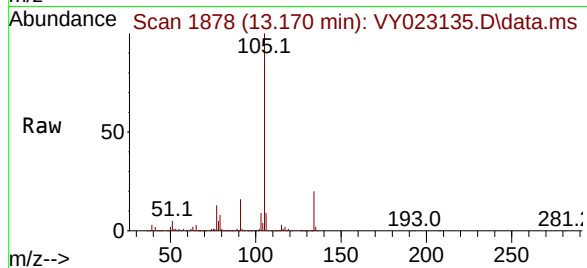
134 20.0 10.2 30.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/19/2025

Supervised By :Mahesh Dadoda 08/19/2025



#86

p-Isopropyltoluene

Concen: 47.312 ug/l

RT: 13.286 min Scan# 1897

Delta R.T. 0.000 min

Lab File: VY023135.D

Acq: 15 Aug 2025 19:06

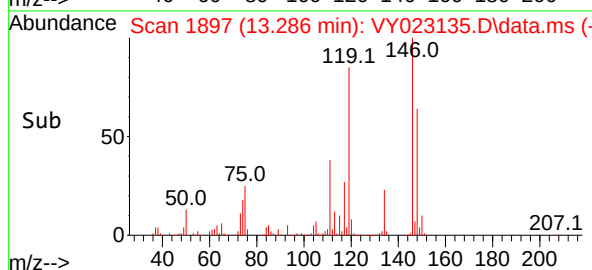
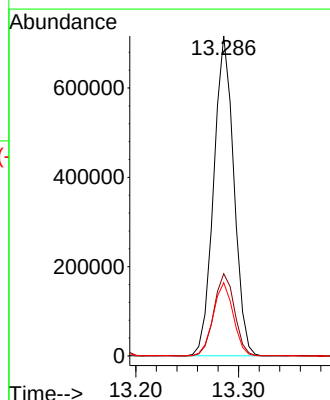
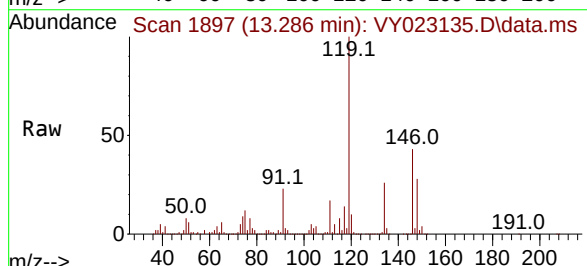
Tgt Ion:119 Resp: 972014

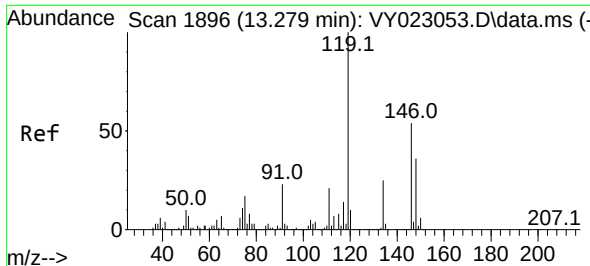
Ion Ratio Lower Upper

119 100

134 26.2 13.2 39.6

91 22.9 11.3 33.8





#87

1,3-Dichlorobenzene

Concen: 45.434 ug/l

RT: 13.279 min Scan# 1896

Delta R.T. 0.000 min

Lab File: VY023135.D

Acq: 15 Aug 2025 19:06

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tgt Ion:146 Resp: 49340

Ion Ratio Lower Upper

146 100

111 39.5 19.6 58.7

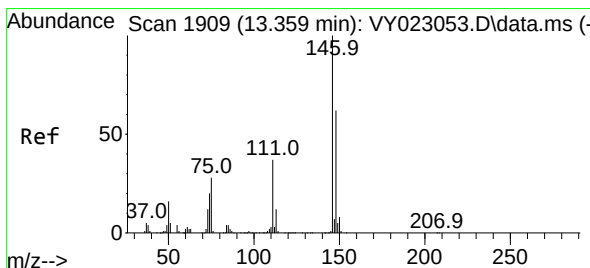
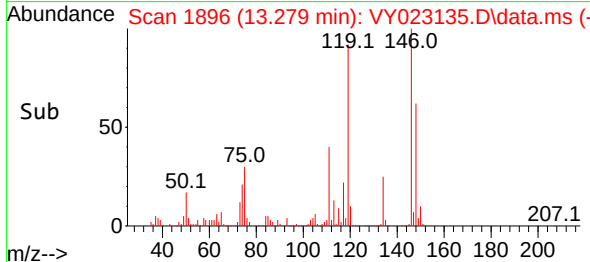
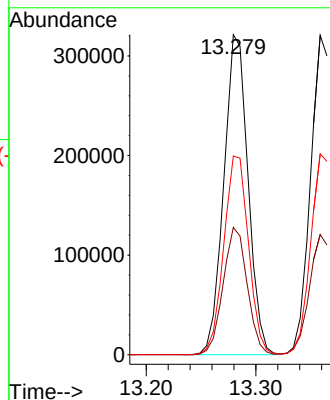
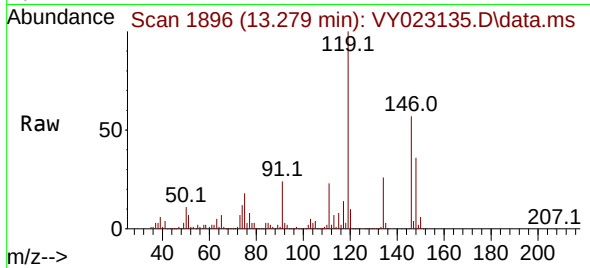
148 63.5 32.5 97.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/19/2025

Supervised By :Mahesh Dadoda 08/19/2025



#88

1,4-Dichlorobenzene

Concen: 44.832 ug/l

RT: 13.359 min Scan# 1909

Delta R.T. 0.000 min

Lab File: VY023135.D

Acq: 15 Aug 2025 19:06

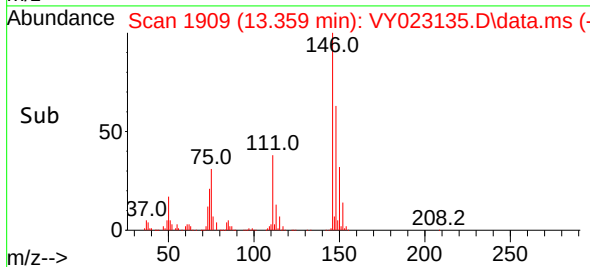
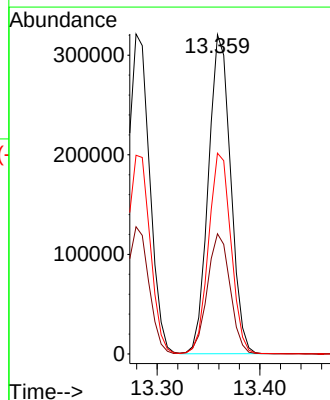
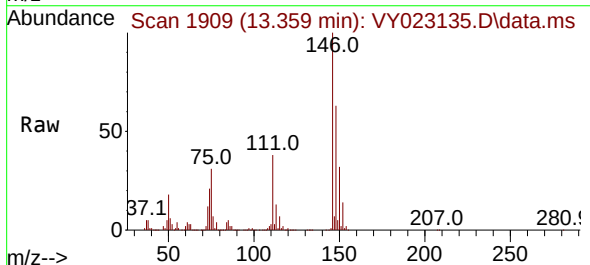
Tgt Ion:146 Resp: 482971

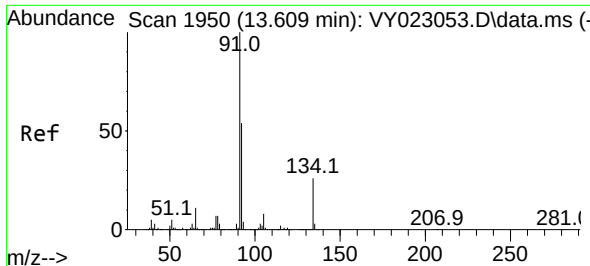
Ion Ratio Lower Upper

146 100

111 38.5 19.1 57.1

148 63.7 31.6 94.7





#89

n-Butylbenzene

Concen: 46.994 ug/l

RT: 13.609 min Scan# 1950

Delta R.T. 0.000 min

Lab File: VY023135.D

Acq: 15 Aug 2025 19:06

Instrument :

MSVOA_Y

ClientSampleId :

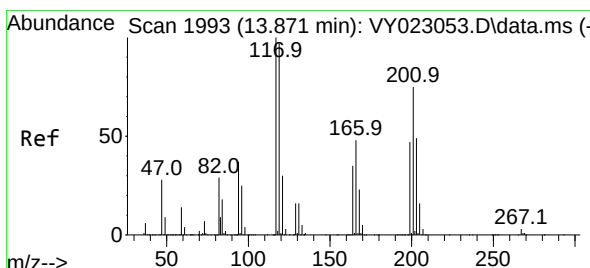
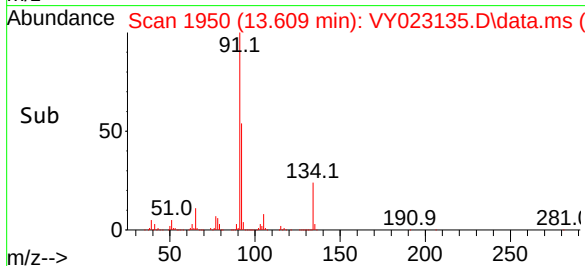
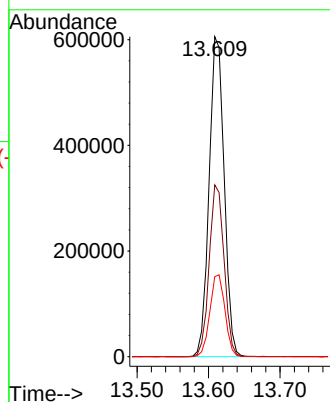
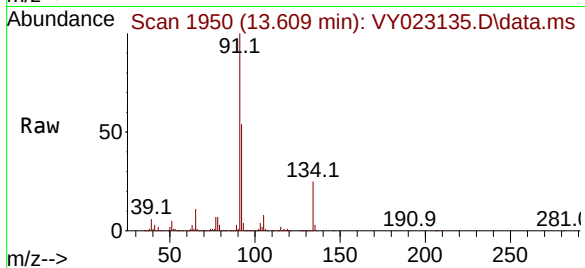
VSTDCCC050EC

Tgt Ion:	91	Resp:	88675
Ion Ratio	Lower	Upper	
91	100		
92	53.0	26.9	80.7
134	25.7	13.2	39.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025



#90

Hexachloroethane

Concen: 45.913 ug/l

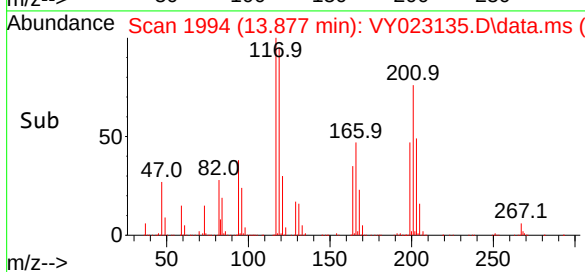
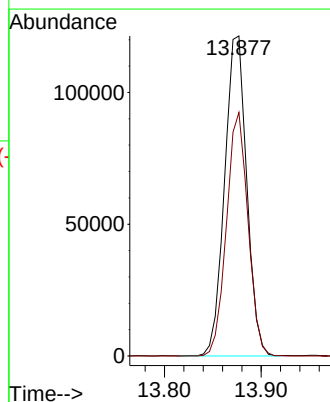
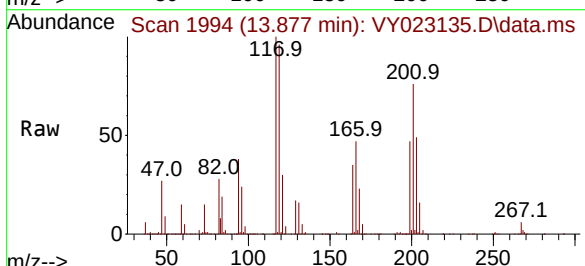
RT: 13.877 min Scan# 1994

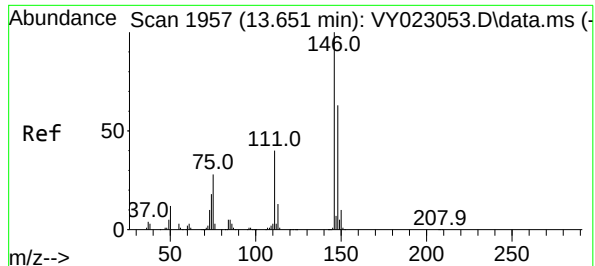
Delta R.T. 0.006 min

Lab File: VY023135.D

Acq: 15 Aug 2025 19:06

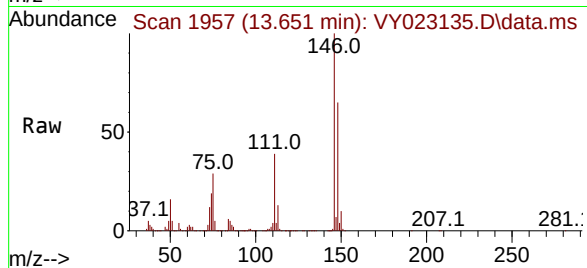
Tgt Ion:	117	Resp:	193098
Ion Ratio	Lower	Upper	
117	100		
201	73.9	38.4	115.1





#91
1,2-Dichlorobenzene
Concen: 45.320 ug/l
RT: 13.651 min Scan# 1957
Delta R.T. 0.000 min
Lab File: VY023135.D
Acq: 15 Aug 2025 19:06

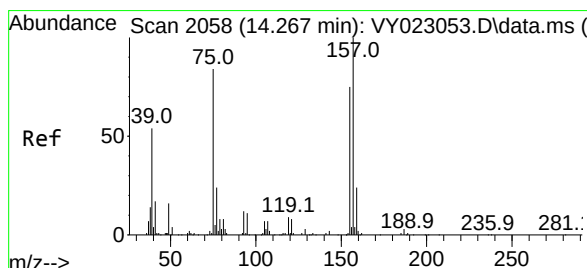
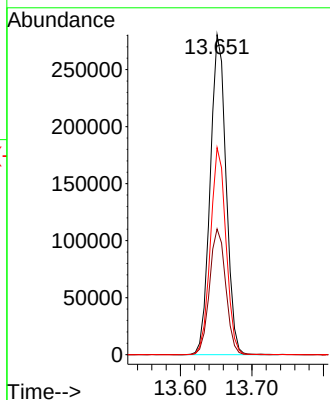
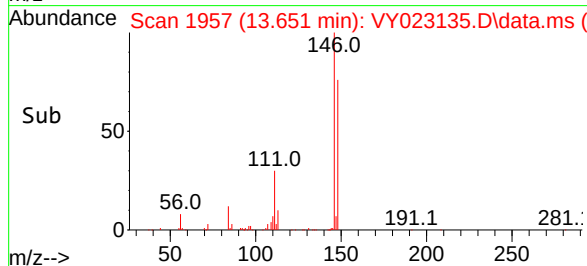
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC



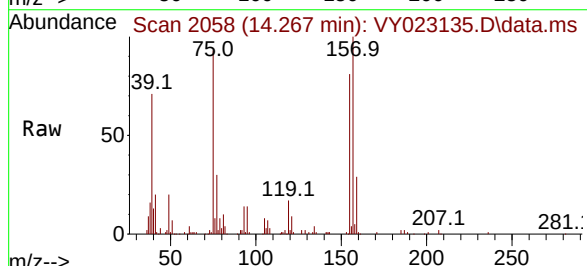
Tgt Ion:146 Resp: 43163
Ion Ratio Lower Upper
146 100
111 40.0 20.3 60.8
148 63.6 32.2 96.6

Manual Integrations
APPROVED

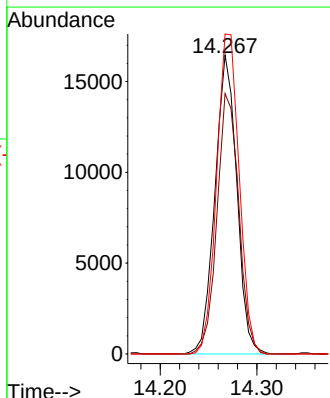
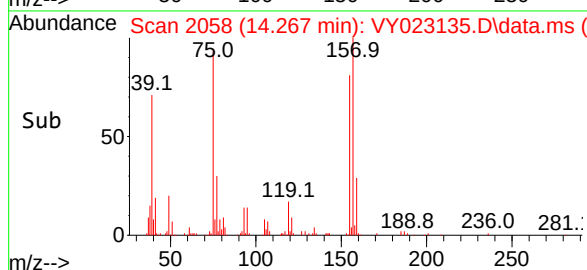
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025

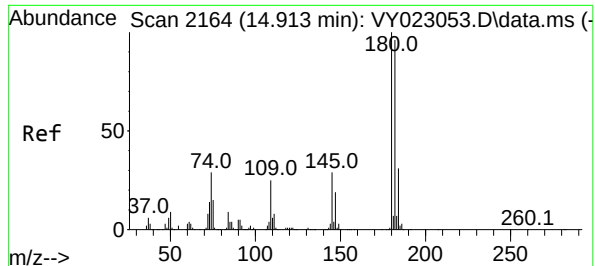


#92
1,2-Dibromo-3-Chloropropane
Concen: 42.044 ug/l
RT: 14.267 min Scan# 2058
Delta R.T. 0.000 min
Lab File: VY023135.D
Acq: 15 Aug 2025 19:06



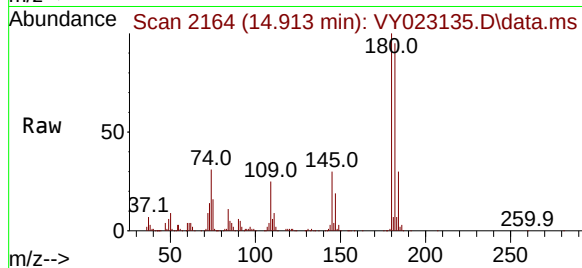
Tgt Ion: 75 Resp: 25801
Ion Ratio Lower Upper
75 100
155 86.8 43.9 131.6
157 110.5 57.2 171.6





#93
1,2,4-Trichlorobenzene
Concen: 41.942 ug/l
RT: 14.913 min Scan# 2164
Delta R.T. 0.000 min
Lab File: VY023135.D
Acq: 15 Aug 2025 19:06

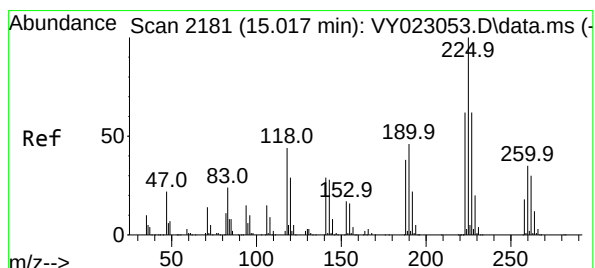
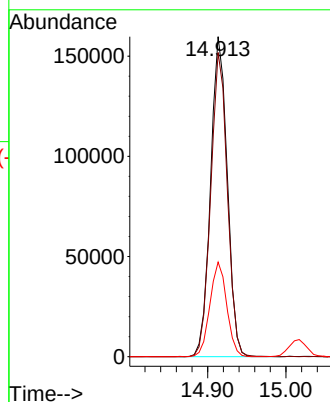
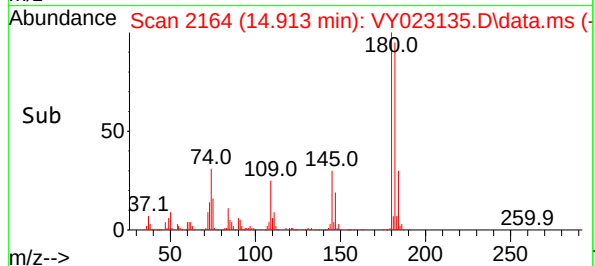
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC



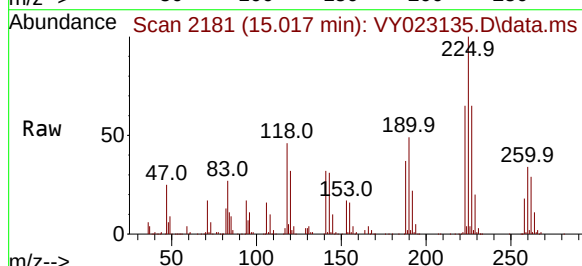
Tgt Ion:180 Resp: 236220
Ion Ratio Lower Upper
180 100
182 94.4 46.8 140.4
145 29.7 14.4 43.4

Manual Integrations
APPROVED

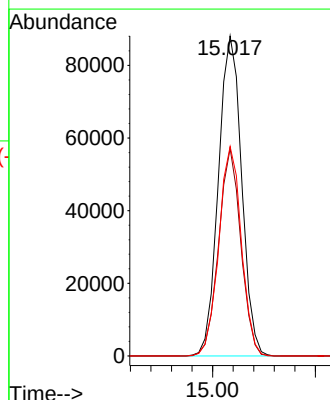
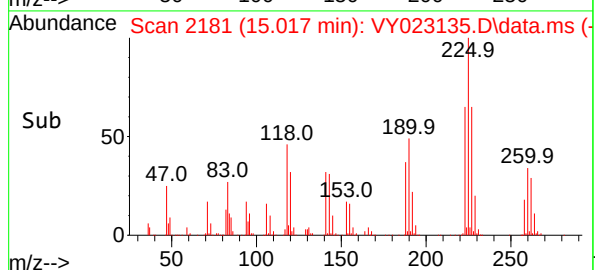
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025

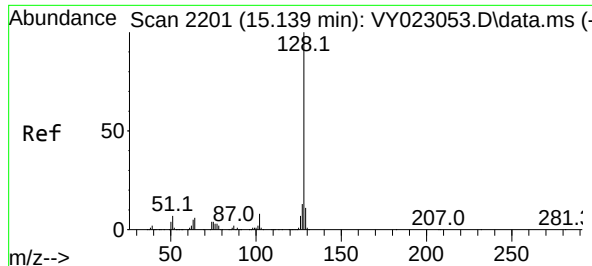


#94
Hexachlorobutadiene
Concen: 41.632 ug/l
RT: 15.017 min Scan# 2181
Delta R.T. 0.000 min
Lab File: VY023135.D
Acq: 15 Aug 2025 19:06



Tgt Ion:225 Resp: 137786
Ion Ratio Lower Upper
225 100
223 62.0 31.3 93.8
227 63.8 31.5 94.5





#95

Naphthalene

Concen: 43.007 ug/l

RT: 15.139 min Scan# 2201

Delta R.T. 0.000 min

Lab File: VY023135.D

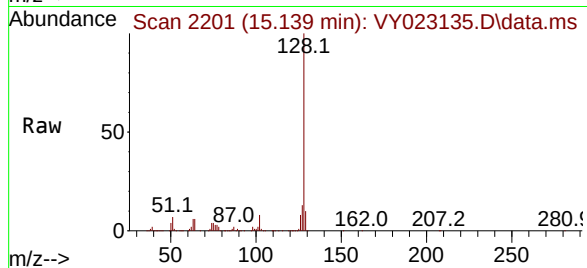
Acq: 15 Aug 2025 19:06

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC



Tgt Ion:128 Resp: 413030

Ion Ratio Lower Upper

128 100

127 13.2 10.4 15.6

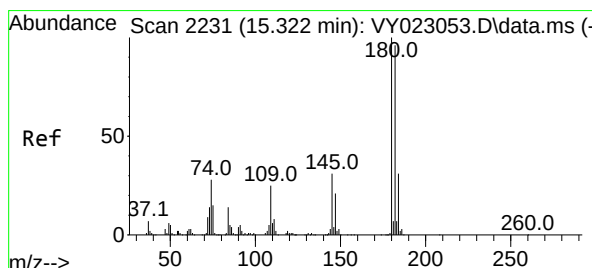
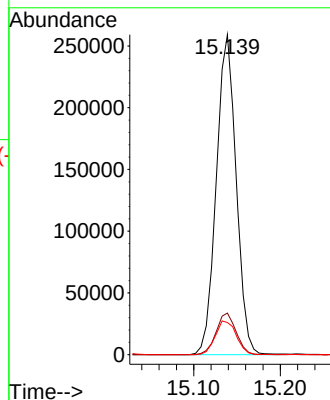
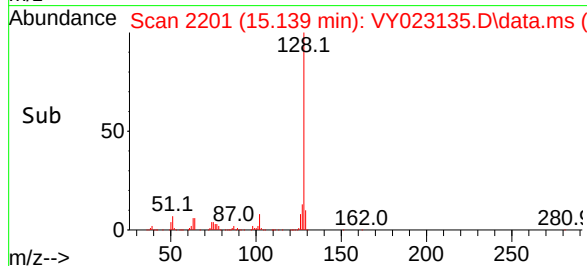
129 11.2 9.0 13.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/19/2025

Supervised By :Mahesh Dadoda 08/19/2025



#96

1,2,3-Trichlorobenzene

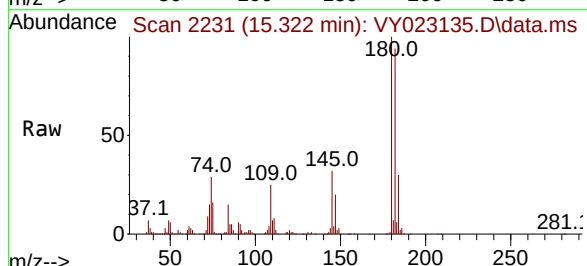
Concen: 42.272 ug/l

RT: 15.322 min Scan# 2231

Delta R.T. 0.000 min

Lab File: VY023135.D

Acq: 15 Aug 2025 19:06



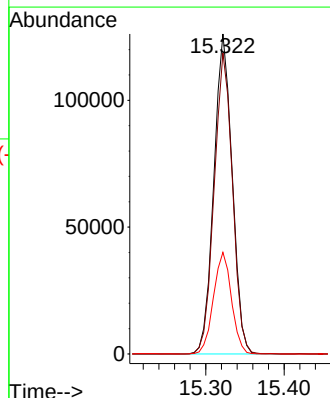
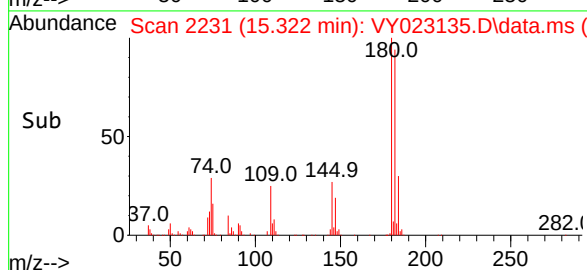
Tgt Ion:180 Resp: 205156

Ion Ratio Lower Upper

180 100

182 94.1 47.9 143.7

145 31.2 15.9 47.7



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081525\
Data File : VY023135.D
Acq On : 15 Aug 2025 19:06
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Aug 18 02:33:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	1.000	1.000	0.0	80	0.00
2 T	Dichlorodifluoromethane	0.408	0.283	30.6#	65	0.00
3 P	Chloromethane	0.661	0.600	9.2	79	0.00
4 C	Vinyl Chloride	0.817	0.803	1.7#	83	0.00
5 T	Bromomethane	0.610	0.629	-3.1	93	0.00
6 T	Chloroethane	0.543	0.561	-3.3	87	0.00
7 T	Trichlorofluoromethane	0.994	0.921	7.3	78	0.00
8 T	Diethyl Ether	0.263	0.238	9.5	76	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.490	0.419	14.5	72	0.00
10 T	Methyl Iodide	0.529	0.520	1.7	76	0.00
11 T	Tert butyl alcohol	0.033	0.027	18.2	68	0.00
12 CM	1,1-Dichloroethene	0.482	0.436	9.5#	75	0.00
13 T	Acrolein	0.048	0.027	43.8#	48#	0.00
14 T	Allyl chloride	0.709	0.639	9.9	74	0.00
15 T	Acrylonitrile	0.107	0.097	9.3	73	0.00
16 T	Acetone	0.103	0.070	32.0#	54	0.00
17 T	Carbon Disulfide	1.571	1.390	11.5	74	0.00
18 T	Methyl Acetate	0.307	0.360	-17.3	89	0.00
19 T	Methyl tert-butyl Ether	1.249	1.158	7.3	75	0.00
20 T	Methylene Chloride	0.620	0.514	17.1	81	0.00
21 T	trans-1,2-Dichloroethene	0.541	0.520	3.9	79	0.00
22 T	Diisopropyl ether	1.541	1.471	4.5	78	0.00
23 T	Vinyl Acetate	0.852	0.712	16.4	67	0.00
24 P	1,1-Dichloroethane	0.942	0.897	4.8	78	0.00
25 T	2-Butanone	0.140	0.112	20.0	63	0.00
26 T	2,2-Dichloropropane	0.813	0.689	15.3	70	0.00
27 T	cis-1,2-Dichloroethene	0.626	0.606	3.2	80	0.00
28 T	Bromochloromethane	0.374	0.371	0.8	81	0.00
29 T	Tetrahydrofuran	0.087	0.077	11.5	70	0.00
30 C	Chloroform	0.971	0.951	2.1#	80	0.00
31 T	Cyclohexane	0.888	0.737	17.0	72	0.00
32 T	1,1,1-Trichloroethane	0.862	0.822	4.6	78	0.00
33 S	1,2-Dichloroethane-d4	0.477	0.487	-2.1	84	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	84	0.00
35 S	Dibromofluoromethane	0.299	0.290	3.0	83	0.00
36 T	1,1-Dichloropropene	0.445	0.398	10.6	77	0.00
37 T	Ethyl Acetate	0.187	0.159	15.0	71	0.00
38 T	Carbon Tetrachloride	0.483	0.436	9.7	79	0.00
39 T	Methylcyclohexane	0.586	0.498	15.0	74	0.00
40 TM	Benzene	1.370	1.275	6.9	80	0.00
41 T	Methacrylonitrile	0.108	0.090	16.7	69	0.00
42 TM	1,2-Dichloroethane	0.356	0.326	8.4	79	0.00
43 T	Isopropyl Acetate	0.378	0.328	13.2	74	0.00
44 TM	Trichloroethene	0.354	0.337	4.8	83	0.00
45 C	1,2-Dichloropropane	0.315	0.294	6.7#	80	0.00
46 T	Dibromomethane	0.181	0.166	8.3	78	0.00
47 T	Bromodichloromethane	0.466	0.433	7.1	79	0.00
48 T	Methyl methacrylate	0.181	0.164	9.4	73	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081525\
Data File : VY023135.D
Acq On : 15 Aug 2025 19:06
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Aug 18 02:33:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	1,4-Dioxane	0.002	0.002	0.0	76	0.00
50 S	Toluene-d8	1.169	1.163	0.5	85	0.00
51 T	4-Methyl-2-Pentanone	0.195	0.171	12.3	72	0.00
52 CM	Toluene	0.870	0.823	5.4#	80	0.00
53 T	t-1,3-Dichloropropene	0.422	0.382	9.5	76	0.00
54 T	cis-1,3-Dichloropropene	0.499	0.452	9.4	77	0.00
55 T	1,1,2-Trichloroethane	0.242	0.220	9.1	77	0.00
56 T	Ethyl methacrylate	0.310	0.281	9.4	74	0.00
57 T	1,3-Dichloropropane	0.411	0.374	9.0	78	0.00
58 T	2-Chloroethyl Vinyl ether	0.146	0.145	0.7	79	0.00
59 T	2-Hexanone	0.133	0.112	15.8	69	0.00
60 T	Dibromochloromethane	0.320	0.294	8.1	78	0.00
61 T	1,2-Dibromoethane	0.228	0.206	9.6	77	0.00
62 S	4-Bromofluorobenzene	0.376	0.370	1.6	84	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	85	0.00
64 T	Tetrachloroethene	0.446	0.465	-4.3	91	0.00
65 PM	Chlorobenzene	1.079	1.000	7.3	81	0.00
66 T	1,1,1,2-Tetrachloroethane	0.366	0.343	6.3	81	0.00
67 C	Ethyl Benzene	1.856	1.755	5.4#	80	0.00
68 T	m/p-Xylenes	0.725	0.686	5.4	81	0.00
69 T	o-Xylene	0.679	0.643	5.3	80	0.00
70 T	Styrene	1.110	1.082	2.5	82	0.00
71 P	Bromoform	0.214	0.184	14.0	73	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	87	0.00
73 T	Isopropylbenzene	3.529	3.263	7.5	81	0.00
74 T	N-amyl acetate	0.748	0.616	17.6	70	0.00
75 P	1,1,2,2-Tetrachloroethane	0.603	0.459	23.9	68	0.00
76 T	1,2,3-Trichloropropane	0.483	0.402	16.8	65	0.00
77 T	Bromobenzene	0.842	0.742	11.9	78	0.00
78 T	n-propylbenzene	4.201	3.915	6.8	80	0.00
79 T	2-Chlorotoluene	2.407	2.228	7.4	81	0.00
80 T	1,3,5-Trimethylbenzene	2.852	2.662	6.7	81	0.00
81 T	trans-1,4-Dichloro-2-butene	0.199	0.158	20.6	69	0.00
82 T	4-Chlorotoluene	2.497	2.307	7.6	81	0.00
83 T	tert-Butylbenzene	2.576	2.379	7.6	80	0.00
84 T	1,2,4-Trimethylbenzene	2.839	2.689	5.3	82	0.00
85 T	sec-Butylbenzene	3.784	3.535	6.6	81	0.00
86 T	p-Isopropyltoluene	3.141	2.972	5.4	81	0.00
87 T	1,3-Dichlorobenzene	1.660	1.509	9.1	81	0.00
88 T	1,4-Dichlorobenzene	1.647	1.477	10.3	80	0.00
89 T	n-Butylbenzene	2.885	2.711	6.0	81	0.00
90 T	Hexachloroethane	0.643	0.590	8.2	81	0.00
91 T	1,2-Dichlorobenzene	1.456	1.320	9.3	80	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.094	0.079	16.0	72	0.00
93 T	1,2,4-Trichlorobenzene	0.861	0.722	16.1	74	0.00
94 T	Hexachlorobutadiene	0.506	0.421	16.8	74	0.00
95 T	Naphthalene	1.468	1.263	14.0	73	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081525\
Data File : VY023135.D
Acq On : 15 Aug 2025 19:06
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Aug 18 02:33:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.742	0.627	15.5	75	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081525\
Data File : VY023135.D
Acq On : 15 Aug 2025 19:06
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Aug 18 02:33:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	50.000	50.000	0.0	80	0.00
2 T	Dichlorodifluoromethane	50.000	34.628	30.7#	65	0.00
3 P	Chloromethane	50.000	45.346	9.3	79	0.00
4 C	Vinyl Chloride	50.000	49.135	1.7#	83	0.00
5 T	Bromomethane	50.000	51.559	-3.1	93	0.00
6 T	Chloroethane	50.000	51.640	-3.3	87	0.00
7 T	Trichlorofluoromethane	50.000	46.330	7.3	78	0.00
8 T	Diethyl Ether	50.000	45.197	9.6	76	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	42.736	14.5	72	0.00
10 T	Methyl Iodide	50.000	49.178	1.6	76	0.00
11 T	Tert butyl alcohol	250.000	206.701	17.3	68	0.00
12 CM	1,1-Dichloroethene	50.000	45.207	9.6#	75	0.00
13 T	Acrolein	250.000	141.959	43.2#	48	0.00
14 T	Allyl chloride	50.000	45.054	9.9	74	0.00
15 T	Acrylonitrile	250.000	226.140	9.5	73	0.00
16 T	Acetone	250.000	169.235	32.3#	54	0.00
17 T	Carbon Disulfide	50.000	44.225	11.5	74	0.00
18 T	Methyl Acetate	50.000	58.622	-17.2	89	0.00
19 T	Methyl tert-butyl Ether	50.000	46.367	7.3	75	0.00
20 T	Methylene Chloride	50.000	47.835	4.3	81	0.00
21 T	trans-1,2-Dichloroethene	50.000	47.978	4.0	79	0.00
22 T	Diisopropyl ether	50.000	47.734	4.5	78	0.00
23 T	Vinyl Acetate	250.000	208.809	16.5	67	0.00
24 P	1,1-Dichloroethane	50.000	47.608	4.8	78	0.00
25 T	2-Butanone	250.000	200.293	19.9	63	0.00
26 T	2,2-Dichloropropane	50.000	42.412	15.2	70	0.00
27 T	cis-1,2-Dichloroethene	50.000	48.425	3.2	80	0.00
28 T	Bromochloromethane	50.000	49.690	0.6	81	0.00
29 T	Tetrahydrofuran	250.000	220.064	12.0	70	0.00
30 C	Chloroform	50.000	48.951	2.1#	80	0.00
31 T	Cyclohexane	50.000	41.505	17.0	72	0.00
32 T	1,1,1-Trichloroethane	50.000	47.657	4.7	78	0.00
33 S	1,2-Dichloroethane-d4	50.000	51.127	-2.3	84	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	84	0.00
35 S	Dibromofluoromethane	50.000	48.501	3.0	83	0.00
36 T	1,1-Dichloropropene	50.000	44.762	10.5	77	0.00
37 T	Ethyl Acetate	50.000	42.450	15.1	71	0.00
38 T	Carbon Tetrachloride	50.000	45.177	9.6	79	0.00
39 T	Methylcyclohexane	50.000	42.522	15.0	74	0.00
40 TM	Benzene	50.000	46.514	7.0	80	0.00
41 T	Methacrylonitrile	50.000	41.916	16.2	69	0.00
42 TM	1,2-Dichloroethane	50.000	45.709	8.6	79	0.00
43 T	Isopropyl Acetate	50.000	43.470	13.1	74	0.00
44 TM	Trichloroethene	50.000	47.535	4.9	83	0.00
45 C	1,2-Dichloropropane	50.000	46.657	6.7#	80	0.00
46 T	Dibromomethane	50.000	45.999	8.0	78	0.00
47 T	Bromodichloromethane	50.000	46.439	7.1	79	0.00
48 T	Methyl methacrylate	50.000	45.295	9.4	73	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081525\
Data File : VY023135.D
Acq On : 15 Aug 2025 19:06
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Aug 18 02:33:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49 T	1,4-Dioxane	1000.000	902.014	9.8	76	0.00
50 S	Toluene-d8	50.000	49.738	0.5	85	0.00
51 T	4-Methyl-2-Pentanone	250.000	219.870	12.1	72	0.00
52 CM	Toluene	50.000	47.285	5.4#	80	0.00
53 T	t-1,3-Dichloropropene	50.000	45.264	9.5	76	0.00
54 T	cis-1,3-Dichloropropene	50.000	45.347	9.3	77	0.00
55 T	1,1,2-Trichloroethane	50.000	45.358	9.3	77	0.00
56 T	Ethyl methacrylate	50.000	45.302	9.4	74	0.00
57 T	1,3-Dichloropropane	50.000	45.582	8.8	78	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	247.890	0.8	79	0.00
59 T	2-Hexanone	250.000	211.536	15.4	69	0.00
60 T	Dibromochloromethane	50.000	46.058	7.9	78	0.00
61 T	1,2-Dibromoethane	50.000	45.352	9.3	77	0.00
62 S	4-Bromofluorobenzene	50.000	49.275	1.5	84	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	85	0.00
64 T	Tetrachloroethene	50.000	52.075	-4.2	91	0.00
65 PM	Chlorobenzene	50.000	46.339	7.3	81	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	46.876	6.2	81	0.00
67 C	Ethyl Benzene	50.000	47.266	5.5#	80	0.00
68 T	m/p-Xylenes	100.000	94.610	5.4	81	0.00
69 T	o-Xylene	50.000	47.384	5.2	80	0.00
70 T	Styrene	50.000	48.738	2.5	82	0.00
71 P	Bromoform	50.000	42.892	14.2	73	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	87	0.00
73 T	Isopropylbenzene	50.000	46.232	7.5	81	0.00
74 T	N-amyl acetate	50.000	41.170	17.7	70	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	38.093	23.8	68	0.00
76 T	1,2,3-Trichloropropane	50.000	41.694	16.6	65	0.00
77 T	Bromobenzene	50.000	44.080	11.8	78	0.00
78 T	n-propylbenzene	50.000	46.593	6.8	80	0.00
79 T	2-Chlorotoluene	50.000	46.284	7.4	81	0.00
80 T	1,3,5-Trimethylbenzene	50.000	46.663	6.7	81	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	39.640	20.7	69	0.00
82 T	4-Chlorotoluene	50.000	46.196	7.6	81	0.00
83 T	tert-Butylbenzene	50.000	46.181	7.6	80	0.00
84 T	1,2,4-Trimethylbenzene	50.000	47.349	5.3	82	0.00
85 T	sec-Butylbenzene	50.000	46.712	6.6	81	0.00
86 T	p-Isopropyltoluene	50.000	47.312	5.4	81	0.00
87 T	1,3-Dichlorobenzene	50.000	45.434	9.1	81	0.00
88 T	1,4-Dichlorobenzene	50.000	44.832	10.3	80	0.00
89 T	n-Butylbenzene	50.000	46.994	6.0	81	0.00
90 T	Hexachloroethane	50.000	45.913	8.2	81	0.00
91 T	1,2-Dichlorobenzene	50.000	45.320	9.4	80	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	42.044	15.9	72	0.00
93 T	1,2,4-Trichlorobenzene	50.000	41.942	16.1	74	0.00
94 T	Hexachlorobutadiene	50.000	41.632	16.7	74	0.00
95 T	Naphthalene	50.000	43.007	14.0	73	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081525\
Data File : VY023135.D
Acq On : 15 Aug 2025 19:06
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Aug 18 02:33:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	42.272	15.5	75	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6



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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>FIRS02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q2820</u>
Instrument ID:	<u>MSVOA_Y</u>	Calibration Date/Time:	<u>08/19/2025 09:11</u>
Lab File ID:	<u>VY023137.D</u>	Init. Calib. Date(s):	<u>08/12/2025 08/12/2025</u>
Heated Purge: (Y/N)	<u>Y</u>	Init. Calib. Time(s):	<u>14:54 16:47</u>
GC Column:	<u>RXI-624</u>	ID:	<u>0.25</u> (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.408	0.339		-16.91	20
Chloromethane	0.661	0.565	0.1	-14.52	20
Vinyl Chloride	0.817	0.743		-9.06	20
Bromomethane	0.610	0.580		-4.92	20
Chloroethane	0.543	0.507		-6.63	20
Trichlorofluoromethane	0.994	0.908		-8.65	20
1,1,2-Trichlorotrifluoroethane	0.490	0.476		-2.86	20
1,1-Dichloroethene	0.482	0.477		-1.04	20
Acetone	0.103	0.113		9.71	20
Carbon Disulfide	1.571	1.449		-7.77	20
Methyl tert-butyl Ether	1.249	1.212		-2.96	20
Methyl Acetate	0.307	0.263		-14.33	20
Methylene Chloride	0.620	0.513		-17.26	20
trans-1,2-Dichloroethene	0.541	0.535		-1.11	20
1,1-Dichloroethane	0.942	0.908	0.1	-3.61	20
Cyclohexane	0.888	0.821		-7.55	20
2-Butanone	0.140	0.137		-2.14	20
Carbon Tetrachloride	0.483	0.498		3.11	20
cis-1,2-Dichloroethene	0.626	0.626		0	20
Bromochloromethane	0.374	0.333		-10.96	20
Chloroform	0.971	0.958		-1.34	20
1,1,1-Trichloroethane	0.862	0.864		0.23	20
Methylcyclohexane	0.586	0.607		3.58	20
Benzene	1.370	1.381		0.8	20
1,2-Dichloroethane	0.356	0.342		-3.93	20
Trichloroethene	0.354	0.365		3.11	20
1,2-Dichloropropane	0.315	0.316		0.32	20
Bromodichloromethane	0.466	0.464		-0.43	20
4-Methyl-2-Pentanone	0.195	0.188		-3.59	20
Toluene	0.870	0.899		3.33	20
t-1,3-Dichloropropene	0.422	0.431		2.13	20
cis-1,3-Dichloropropene	0.499	0.504		1	20
1,1,2-Trichloroethane	0.242	0.243		0.41	20
2-Hexanone	0.133	0.135		1.5	20
Dibromochloromethane	0.320	0.326		1.88	20
1,2-Dibromoethane	0.228	0.229		0.44	20
Tetrachloroethene	0.446	0.450		0.9	20
Chlorobenzene	1.079	1.127	0.3	4.45	20

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



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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>FIRS02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q2820</u>
Instrument ID:	<u>MSVOA_Y</u>	Calibration Date/Time:	<u>08/19/2025</u> <u>09:11</u>
Lab File ID:	<u>VY023137.D</u>	Init. Calib. Date(s):	<u>08/12/2025</u> <u>08/12/2025</u>
Heated Purge: (Y/N)	<u>Y</u>	Init. Calib. Time(s):	<u>14:54</u> <u>16:47</u>
GC Column:	<u>RXI-624</u>	ID:	<u>0.25</u> (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.856	1.962		5.71	20
m/p-Xylenes	0.725	0.779		7.45	20
o-Xylene	0.679	0.732		7.81	20
Styrene	1.110	1.221		10	20
Bromoform	0.214	0.218	0.1	1.87	20
Isopropylbenzene	3.529	3.707		5.04	20
1,1,2,2-Tetrachloroethane	0.603	0.586	0.3	-2.82	20
1,3-Dichlorobenzene	1.660	1.734		4.46	20
1,4-Dichlorobenzene	1.647	1.689		2.55	20
1,2-Dichlorobenzene	1.456	1.499		2.95	20
1,2-Dibromo-3-Chloropropane	0.094	0.088		-6.38	20
1,2,4-Trichlorobenzene	0.861	0.881		2.32	20
1,2,3-Trichlorobenzene	0.742	0.735		-0.94	20
1,2-Dichloroethane-d4	0.477	0.431		-9.64	20
Dibromofluoromethane	0.299	0.292		-2.34	20
Toluene-d8	1.169	1.150		-1.63	20
4-Bromofluorobenzene	0.376	0.373		-0.8	20

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081925\
 Data File : VY023137.D
 Acq On : 19 Aug 2025 09:11
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Quant Time: Aug 20 01:22:53 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 13 02:10:11 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 08/20/2025
 Supervised By : Mahesh Dadoda 08/20/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	560294	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	876189	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	761785	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	392533	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	241668	45.256	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	90.520%		
35) Dibromofluoromethane	7.634	113	256133	48.854	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	97.700%		
50) Toluene-d8	10.109	98	1008048	49.217	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	98.440%		
62) 4-Bromofluorobenzene	12.401	95	326827	49.618	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	99.240%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	190057	41.557	ug/l	98
3) Chloromethane	2.074	50	316334	42.705	ug/l	99
4) Vinyl Chloride	2.208	62	416548	45.491	ug/l	100
5) Bromomethane	2.598	94	324698	47.481	ug/l	99
6) Chloroethane	2.739	64	284191	46.683	ug/l	100
7) Trichlorofluoromethane	3.056	101	508922	45.708	ug/l	100
8) Diethyl Ether	3.458	74	135802	46.102	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.818	101	266790	48.569	ug/l	99
10) Methyl Iodide	4.007	142	325506	54.916	ug/l	98
11) Tert butyl alcohol	4.866	59	79834	218.191	ug/l	99
12) 1,1-Dichloroethene	3.793	96	267212	49.491	ug/l	90
13) Acrolein	3.653	56	60662	113.207	ug/l	93
14) Allyl chloride	4.385	41	361978	45.563	ug/l	96
15) Acrylonitrile	5.061	53	279904	233.725	ug/l	99
16) Acetone	3.866	43	316768	273.812	ug/l	99
17) Carbon Disulfide	4.110	76	811887	46.117	ug/l	100
18) Methyl Acetate	4.385	43	147420	42.821	ug/l	98
19) Methyl tert-butyl Ether	5.122	73	679197	48.545	ug/l	99
20) Methylene Chloride	4.616	84	287656	47.727	ug/l	95
21) trans-1,2-Dichloroethene	5.116	96	299764	49.404	ug/l	96
22) Diisopropyl ether	6.025	45	825090	47.793	ug/l	99
23) Vinyl Acetate	5.964	43	2298296	240.761	ug/l	100
24) 1,1-Dichloroethane	5.921	63	508733	48.199	ug/l	99
25) 2-Butanone	6.896	43	384462	244.351	ug/l	97
26) 2,2-Dichloropropane	6.890	77	468257	51.414	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	351019	50.042	ug/l	98
28) Bromochloromethane	7.244	49	186381	44.509	ug/l	95
29) Tetrahydrofuran	7.262	42	221133	226.737	ug/l	96
30) Chloroform	7.421	83	536519	49.287	ug/l	95
31) Cyclohexane	7.701	56	460210	46.269	ug/l	99
32) 1,1,1-Trichloroethane	7.616	97	483961	50.106	ug/l	100
36) 1,1-Dichloropropene	7.835	75	395952	50.818	ug/l	99
37) Ethyl Acetate	6.988	43	157126	48.006	ug/l	99
38) Carbon Tetrachloride	7.817	117	436510	51.581	ug/l	99
39) Methylcyclohexane	9.109	83	531826	51.832	ug/l	97
40) Benzene	8.079	78	1210380	50.401	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081925\
 Data File : VY023137.D
 Acq On : 19 Aug 2025 09:11
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations APPROVED

Reviewed By : John Carlone 08/20/2025
 Supervised By : Mahesh Dadoda 08/20/2025

Quant Time: Aug 20 01:22:53 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 13 02:10:11 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.219	41	88337m	46.765	ug/l	
42) 1,2-Dichloroethane	8.158	62	300070	48.044	ug/l	100
43) Isopropyl Acetate	8.201	43	308955	46.703	ug/l #	84
44) Trichloroethene	8.866	130	319381	51.463	ug/l	100
45) 1,2-Dichloropropane	9.146	63	276520	50.044	ug/l	97
46) Dibromomethane	9.231	93	157422	49.637	ug/l	99
47) Bromodichloromethane	9.426	83	406246	49.781	ug/l	97
48) Methyl methacrylate	9.219	41	152020	48.023	ug/l	97
49) 1,4-Dioxane	9.231	88	34759	934.713	ug/l	97
51) 4-Methyl-2-Pentanone	9.999	43	822061	240.906	ug/l	98
52) Toluene	10.170	92	788070	51.669	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	377708	51.112	ug/l	100
54) cis-1,3-Dichloropropene	9.859	75	441435	50.516	ug/l	99
55) 1,1,2-Trichloroethane	10.573	97	213063	50.206	ug/l	97
56) Ethyl methacrylate	10.438	69	276182	50.859	ug/l	99
57) 1,3-Dichloropropane	10.719	76	354628	49.273	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	622022	242.835	ug/l	97
59) 2-Hexanone	10.762	43	592202	254.865	ug/l	98
60) Dibromochloromethane	10.914	129	285374	50.963	ug/l	99
61) 1,2-Dibromoethane	11.018	107	201073	50.411	ug/l	100
64) Tetrachloroethene	10.646	164	342427	50.340	ug/l	98
65) Chlorobenzene	11.444	112	858367	52.238	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.517	131	295011	52.900	ug/l	99
67) Ethyl Benzene	11.517	91	1494465	52.850	ug/l	99
68) m/p-Xylenes	11.627	106	1186104	107.397	ug/l	98
69) o-Xylene	11.956	106	557951	53.940	ug/l	100
70) Styrene	11.969	104	930498	55.007	ug/l	98
71) Bromoform	12.133	173	166298	51.022	ug/l	99
73) Isopropylbenzene	12.255	105	1455261	52.528	ug/l	99
74) N-amyl acetate	12.072	43	285441	48.584	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.505	83	230085	48.639	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	165292m	43.632	ug/l	
77) Bromobenzene	12.529	156	336874	50.968	ug/l	97
78) n-propylbenzene	12.597	91	1741756	52.806	ug/l	99
79) 2-Chlorotoluene	12.676	91	975057	51.594	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	1191826	53.229	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	77577	49.570	ug/l	98
82) 4-Chlorotoluene	12.773	91	1000547	51.036	ug/l	99
83) tert-Butylbenzene	12.993	119	1091125	53.956	ug/l	98
84) 1,2,4-Trimethylbenzene	13.042	105	1191535	53.459	ug/l	100
85) sec-Butylbenzene	13.176	105	1594423	53.673	ug/l	100
86) p-Isopropyltoluene	13.292	119	1357746	55.063	ug/l	100
87) 1,3-Dichlorobenzene	13.285	146	680781	52.231	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	663039	51.281	ug/l	99
89) n-Butylbenzene	13.615	91	1231645	54.384	ug/l	99
90) Hexachloroethane	13.877	117	264268	52.354	ug/l	100
91) 1,2-Dichlorobenzene	13.657	146	588570	51.489	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	34676	47.081	ug/l	97
93) 1,2,4-Trichlorobenzene	14.919	180	345818	51.158	ug/l	99
94) Hexachlorobutadiene	15.023	225	202124	50.885	ug/l	99
95) Naphthalene	15.145	128	590257	51.208	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	288433	49.517	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081925\
Data File : VY023137.D
Acq On : 19 Aug 2025 09:11
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Quant Time: Aug 20 01:22:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/20/2025
Supervised By :Mahesh Dadoda 08/20/2025

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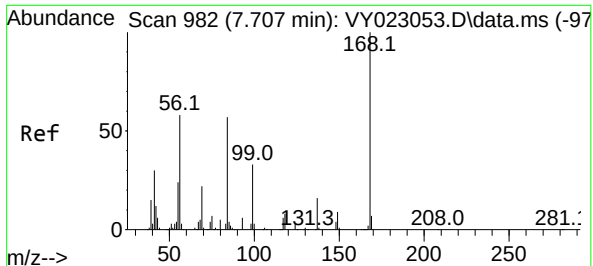
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations

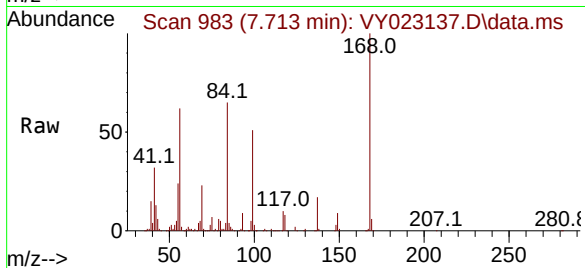
Reviewed By :John Carlone 08/20/2025
Supervised By :Mahesh Dadoda 08/20/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

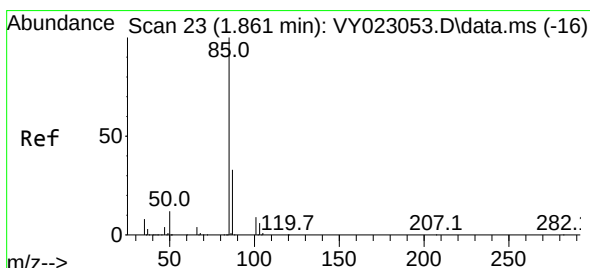
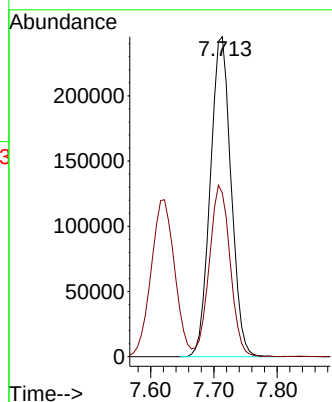
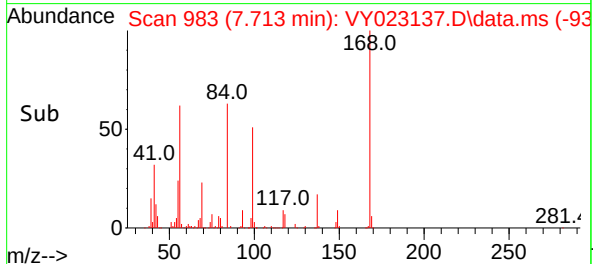
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



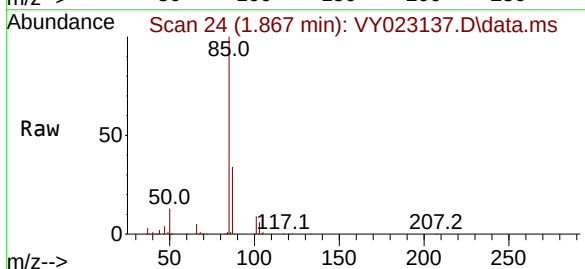
Tgt Ion:168 Resp: 560294
Ion Ratio Lower Upper
168 100
99 51.1 42.8 64.2

Manual Integrations
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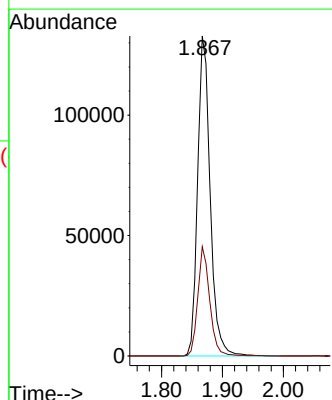
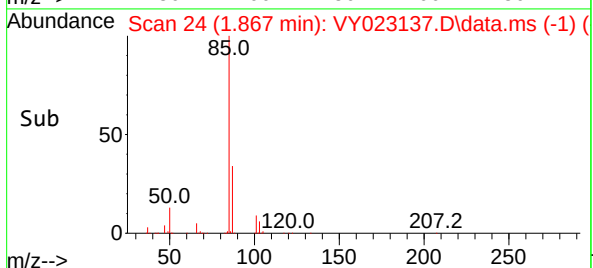
Reviewed By :John Carlone 08/20/2025
Supervised By :Mahesh Dadoda 08/20/2025

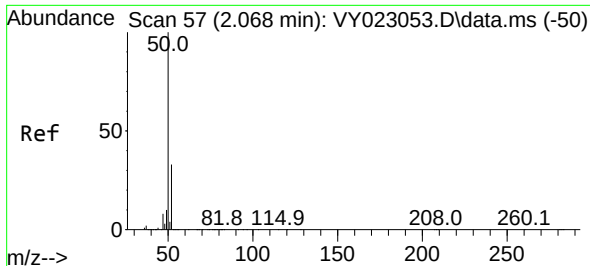


#2
Dichlorodifluoromethane
Concen: 41.557 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11



Tgt Ion: 85 Resp: 190057
Ion Ratio Lower Upper
85 100
87 34.2 16.6 49.8





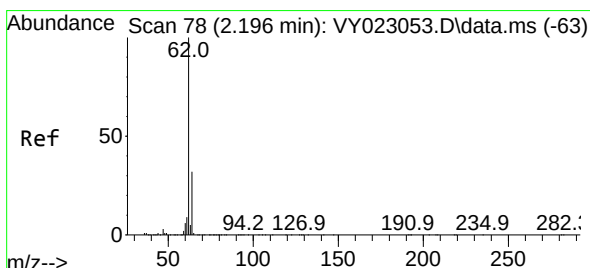
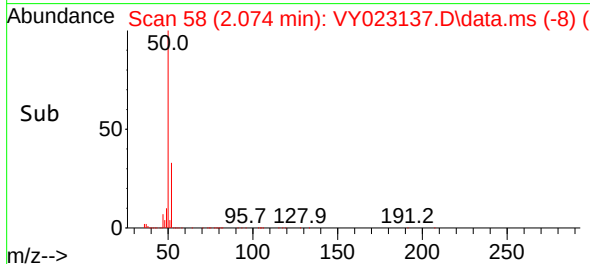
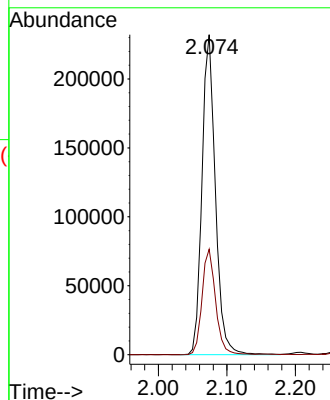
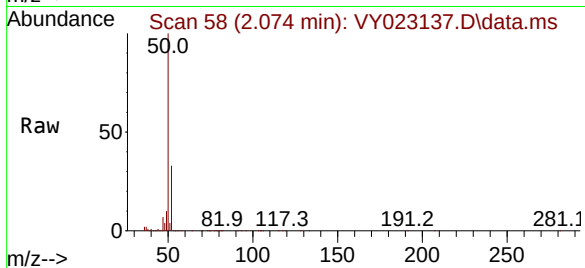
#3
Chloromethane
Concen: 42.705 ug/l
RT: 2.074 min Scan# 50
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 50 Resp: 316334
Ion Ratio Lower Upper
50 100
52 33.0 26.7 40.1

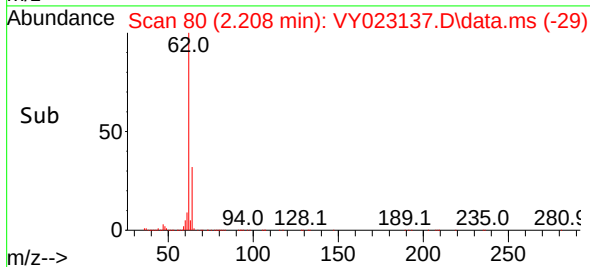
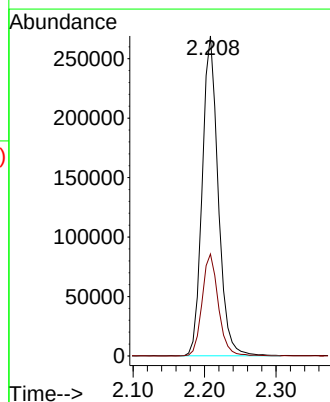
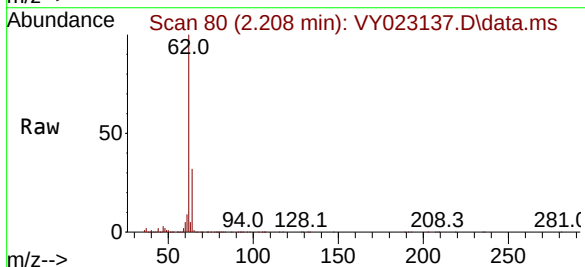
Manual Integrations
APPROVED

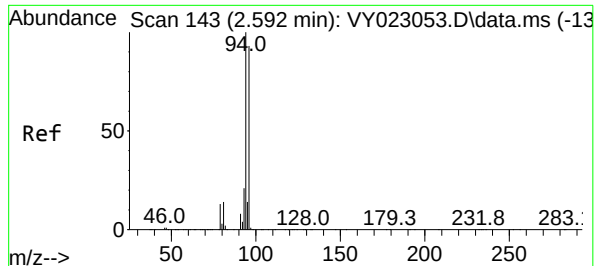
Reviewed By :John Carlone 08/20/2025
Supervised By :Mahesh Dadoda 08/20/2025



#4
Vinyl Chloride
Concen: 45.491 ug/l
RT: 2.208 min Scan# 80
Delta R.T. 0.012 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Tgt Ion: 62 Resp: 416548
Ion Ratio Lower Upper
62 100
64 31.8 25.4 38.0





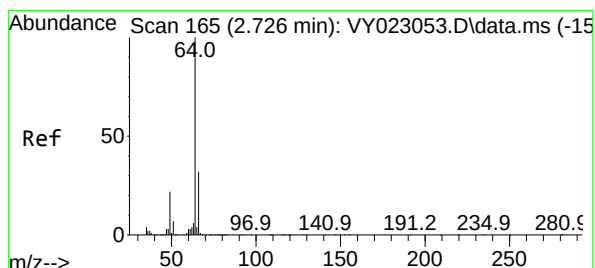
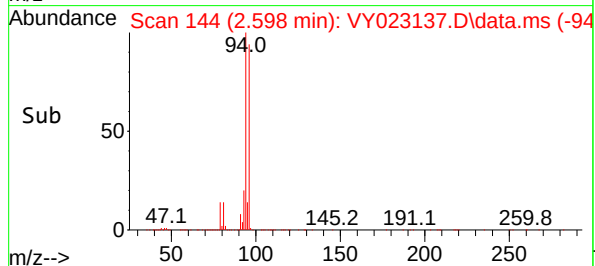
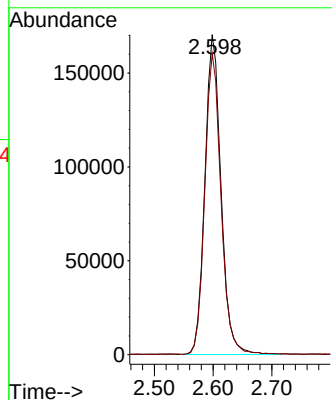
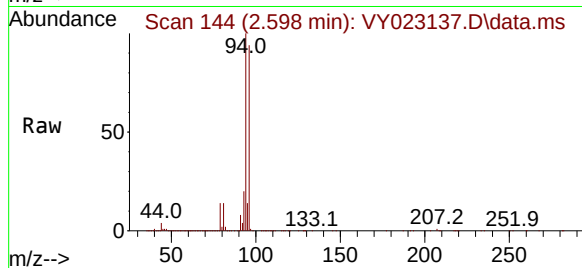
#5
Bromomethane
Concen: 47.481 ug/l
RT: 2.598 min Scan# 143
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 94 Resp: 324698
Ion Ratio Lower Upper
94 100
96 94.0 74.6 112.0

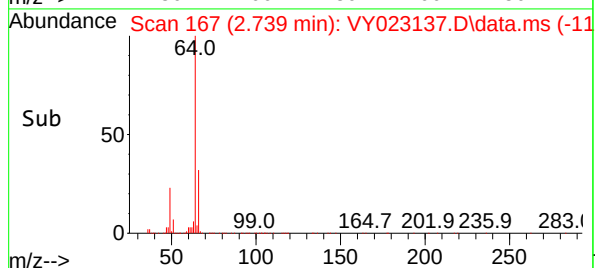
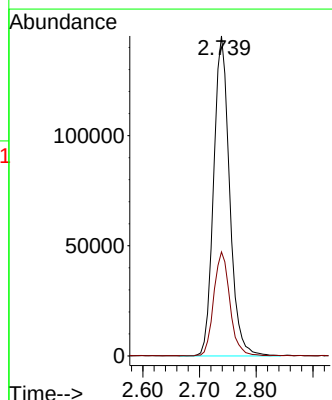
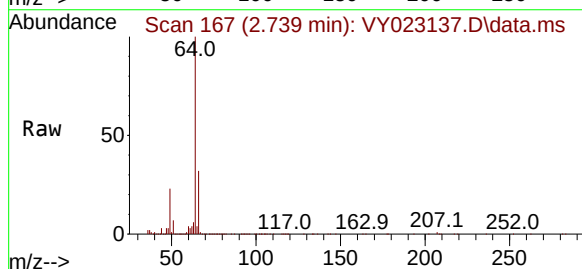
Manual Integrations
APPROVED

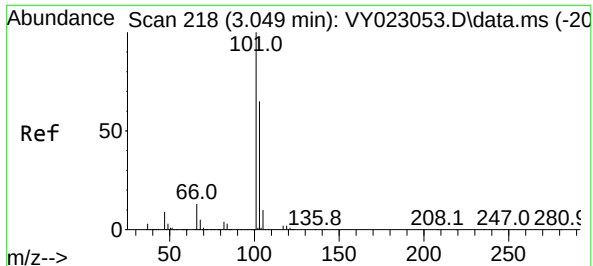
Reviewed By :John Carlone 08/20/2025
Supervised By :Mahesh Dadoda 08/20/2025



#6
Chloroethane
Concen: 46.683 ug/l
RT: 2.739 min Scan# 167
Delta R.T. 0.012 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

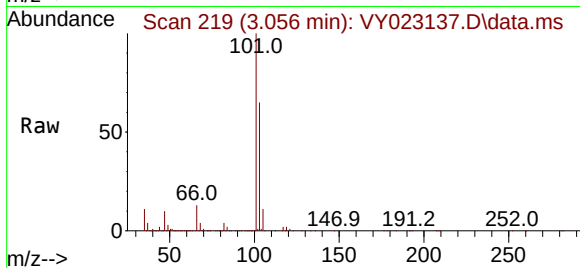
Tgt Ion: 64 Resp: 284191
Ion Ratio Lower Upper
64 100
66 32.4 25.8 38.6





#7
Trichlorofluoromethane
Concen: 45.708 ug/l
RT: 3.056 min Scan# 218
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

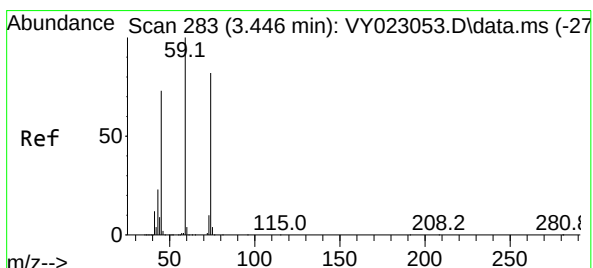
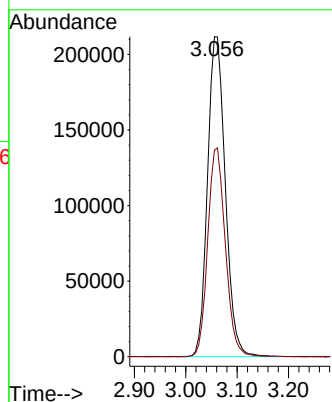
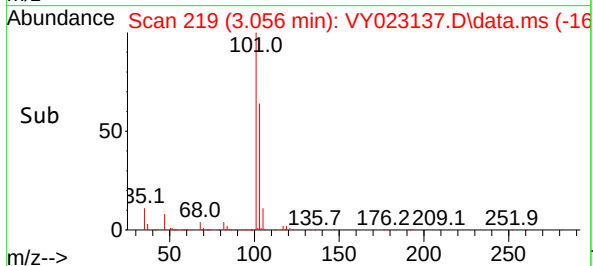
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



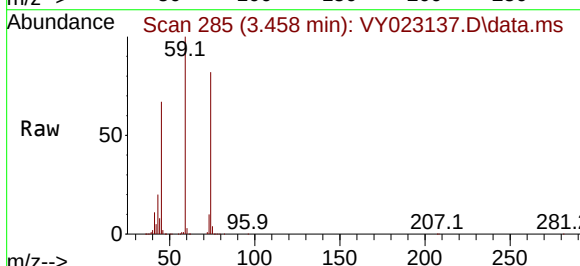
Tgt Ion: 101 Resp: 50892
Ion Ratio Lower Upper
101 100
103 64.6 51.9 77.9

Manual Integrations
APPROVED

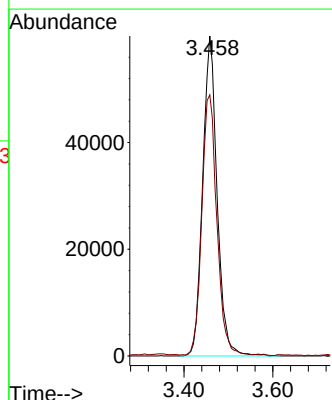
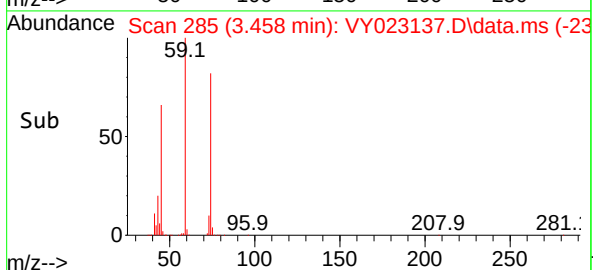
Reviewed By : John Carlone 08/20/2025
Supervised By : Mahesh Dadoda 08/20/2025

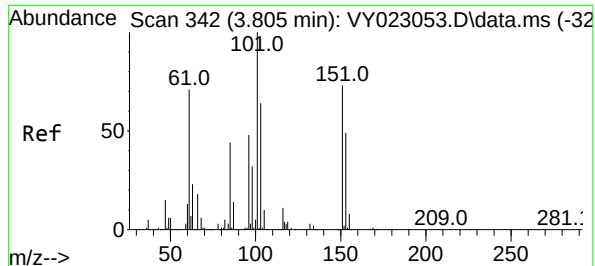


#8
Diethyl Ether
Concen: 46.102 ug/l
RT: 3.458 min Scan# 285
Delta R.T. 0.012 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11



Tgt Ion: 74 Resp: 135802
Ion Ratio Lower Upper
74 100
45 84.4 44.4 133.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.569 ug/l

RT: 3.818 min Scan# 342

Delta R.T. 0.012 min

Lab File: VY023137.D

Acq: 19 Aug 2025 09:11

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion:101 Resp: 266790

Ion Ratio Lower Upper

101 100

85 45.5 36.3 54.5

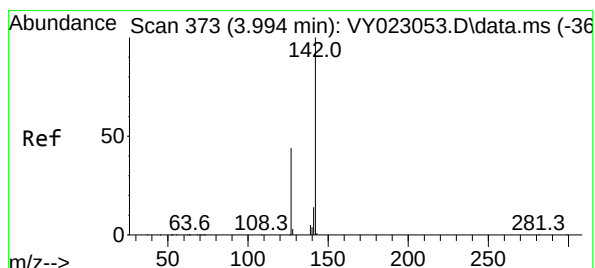
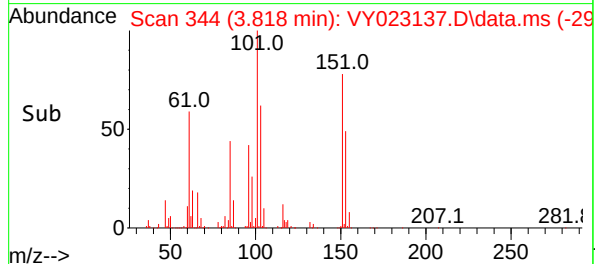
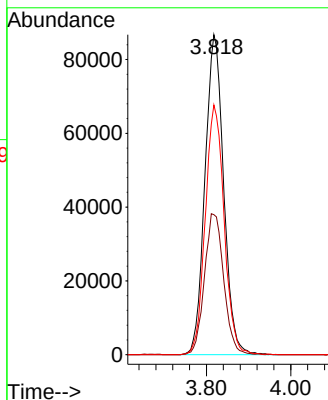
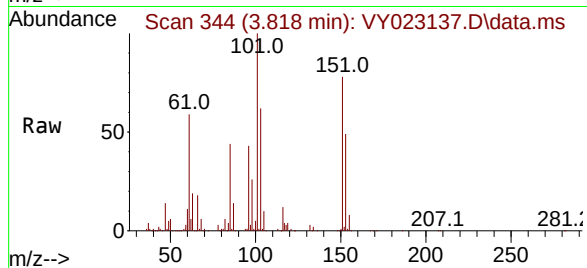
151 78.8 61.5 92.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/20/2025

Supervised By :Mahesh Dadoda 08/20/2025



#10

Methyl Iodide

Concen: 54.916 ug/l

RT: 4.007 min Scan# 375

Delta R.T. 0.012 min

Lab File: VY023137.D

Acq: 19 Aug 2025 09:11

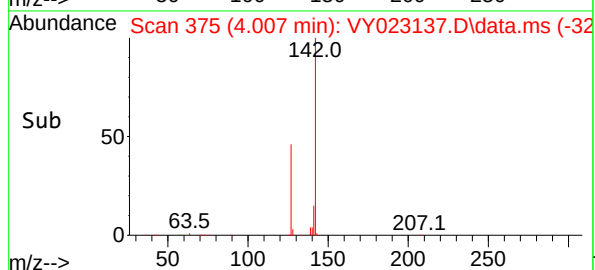
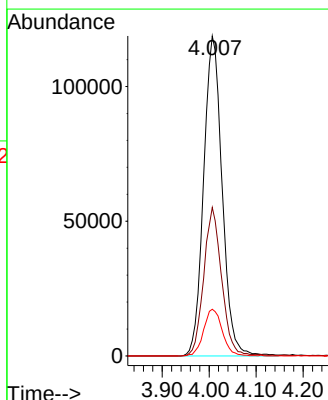
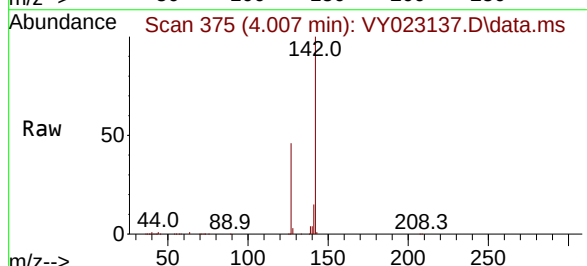
Tgt Ion:142 Resp: 325506

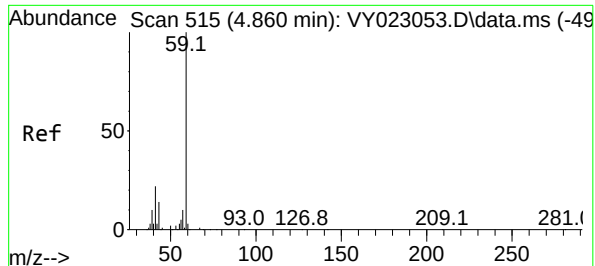
Ion Ratio Lower Upper

142 100

127 44.6 34.9 52.3

141 14.7 11.3 16.9





#11

Tert butyl alcohol

Concen: 218.191 ug/l

RT: 4.866 min Scan# 515

Delta R.T. 0.006 min

Lab File: VY023137.D

Acq: 19 Aug 2025 09:11

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 59 Resp: 79834

Ion Ratio Lower Upper

59 100

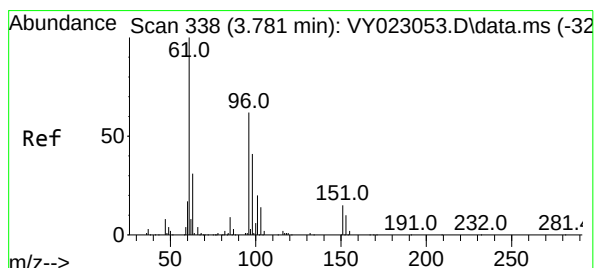
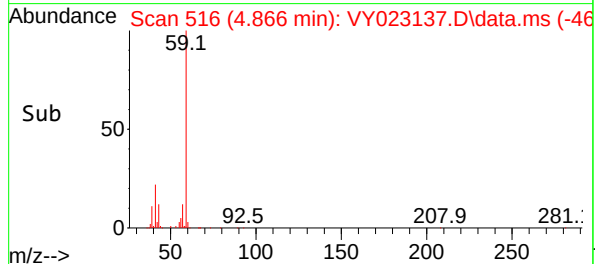
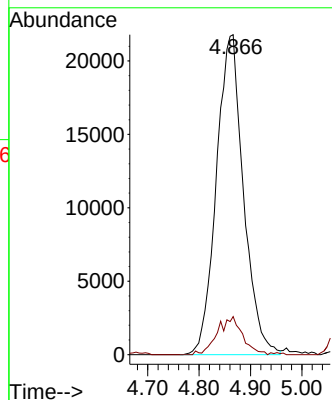
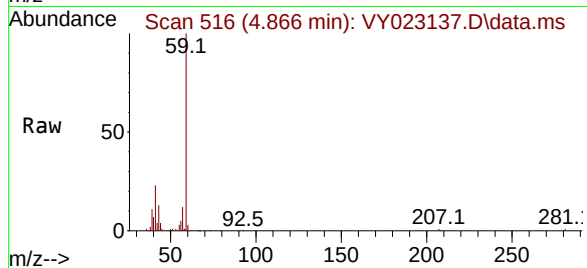
57 11.0 8.6 13.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/20/2025

Supervised By :Mahesh Dadoda 08/20/2025



#12

1,1-Dichloroethene

Concen: 49.491 ug/l

RT: 3.793 min Scan# 340

Delta R.T. 0.012 min

Lab File: VY023137.D

Acq: 19 Aug 2025 09:11

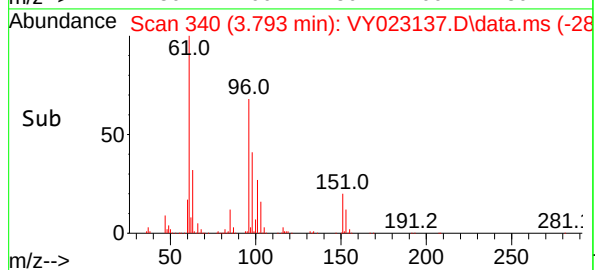
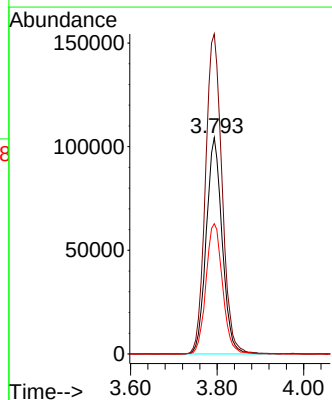
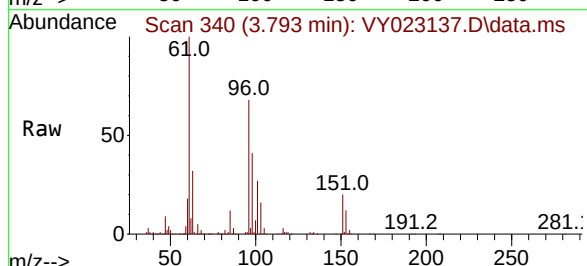
Tgt Ion: 96 Resp: 267212

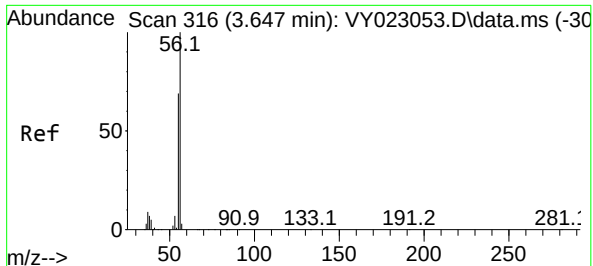
Ion Ratio Lower Upper

96 100

61 148.0 129.4 194.2

98 60.2 52.8 79.2





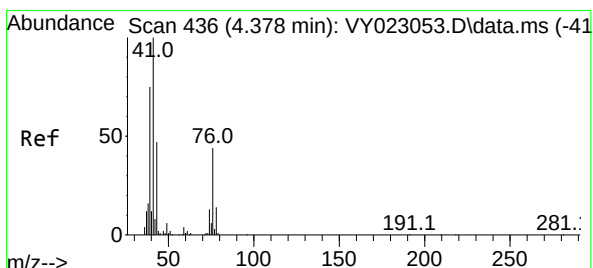
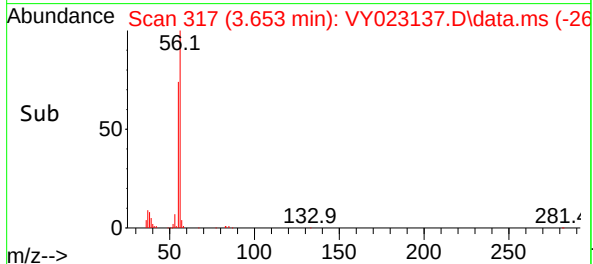
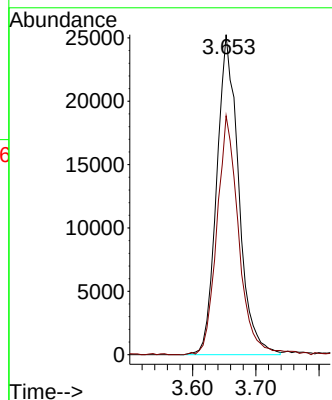
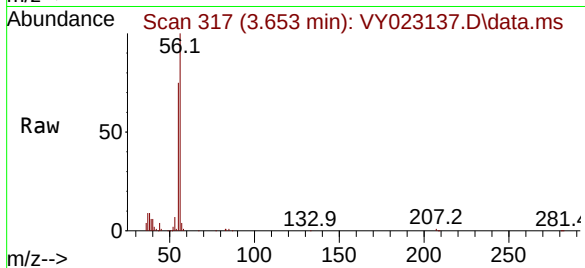
#13
Acrolein
Concen: 113.207 ug/l
RT: 3.653 min Scan# 316
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 60662
Ion Ratio Lower Upper
56 100
55 74.5 55.2 82.8

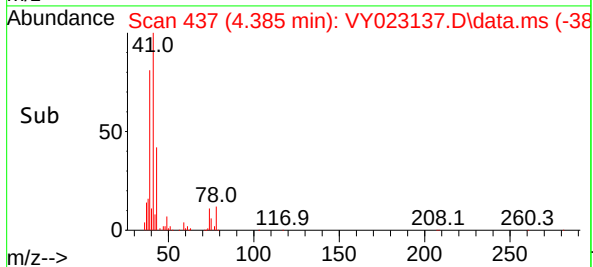
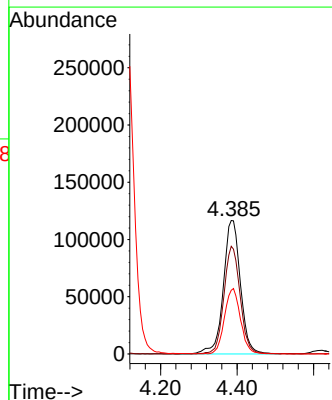
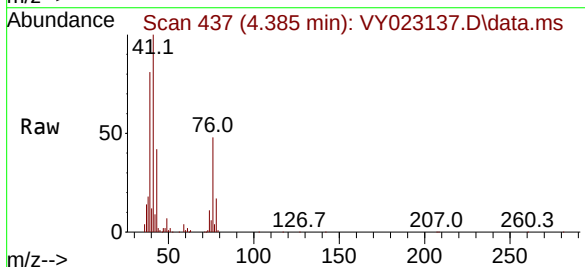
Manual Integrations
APPROVED

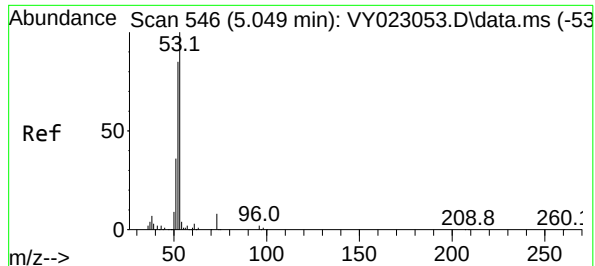
Reviewed By :John Carlone 08/20/2025
Supervised By :Mahesh Dadoda 08/20/2025



#14
Allyl chloride
Concen: 45.563 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Tgt Ion: 41 Resp: 361978
Ion Ratio Lower Upper
41 100
39 76.6 59.8 89.6
76 46.0 33.7 50.5





#15

Acrylonitrile

Concen: 233.725 ug/l

RT: 5.061 min Scan# 546

Delta R.T. 0.012 min

Lab File: VY023137.D

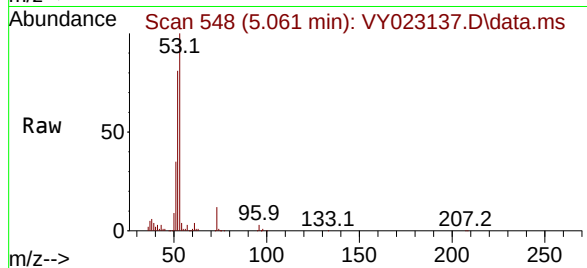
Acq: 19 Aug 2025 09:11

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050



Tgt Ion: 53 Resp: 279904

Ion Ratio Lower Upper

53 100

52 80.2 65.3 97.9

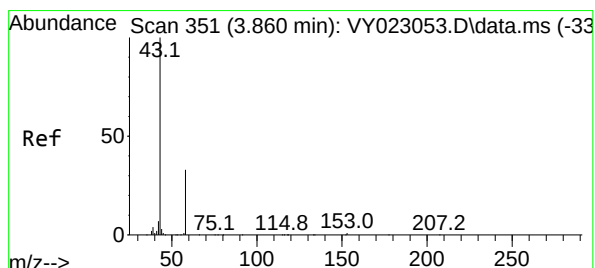
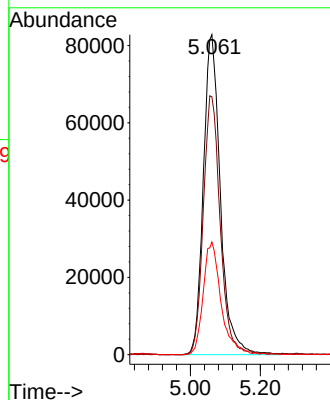
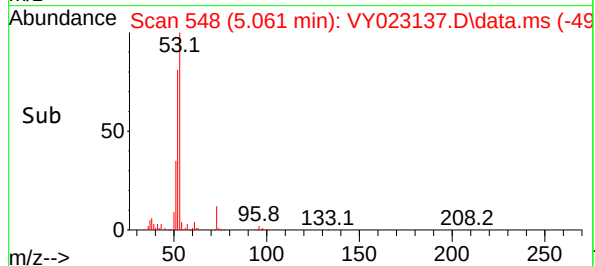
51 36.9 29.5 44.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/20/2025

Supervised By :Mahesh Dadoda 08/20/2025



#16

Acetone

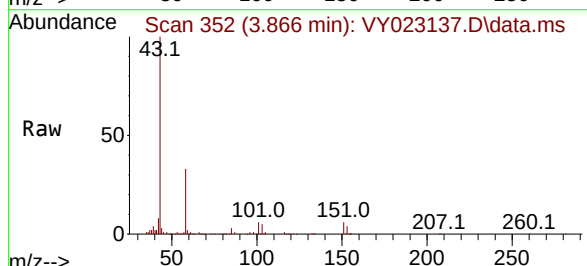
Concen: 273.812 ug/l

RT: 3.866 min Scan# 352

Delta R.T. 0.006 min

Lab File: VY023137.D

Acq: 19 Aug 2025 09:11

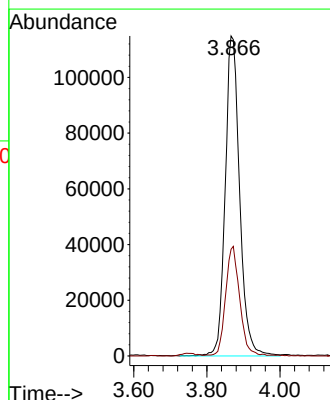
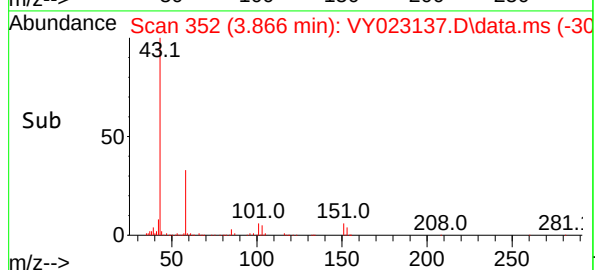


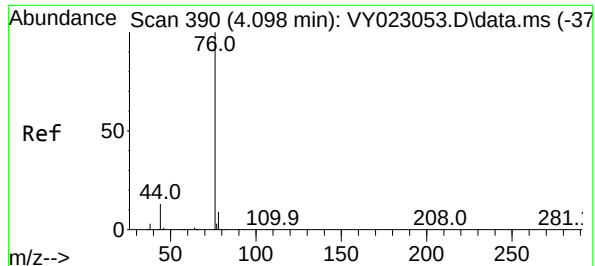
Tgt Ion: 43 Resp: 316768

Ion Ratio Lower Upper

43 100

58 33.2 27.1 40.7





#17

Carbon Disulfide

Concen: 46.117 ug/l

RT: 4.110 min Scan# 390

Delta R.T. 0.012 min

Lab File: VY023137.D

Acq: 19 Aug 2025 09:11

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 76 Resp: 81188

Ion Ratio Lower Upper

76 100

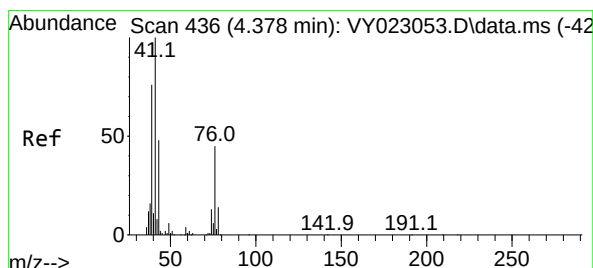
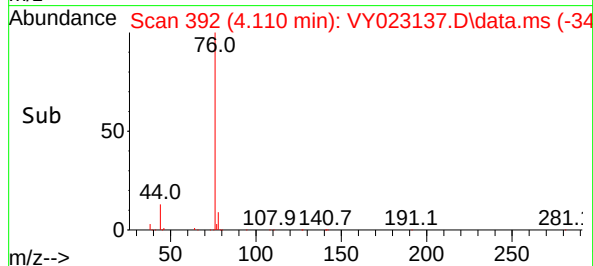
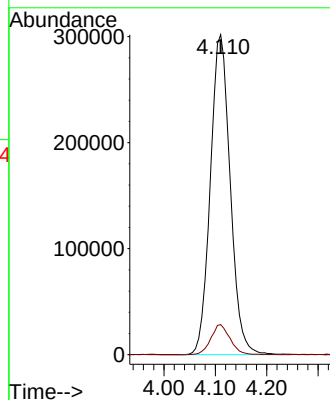
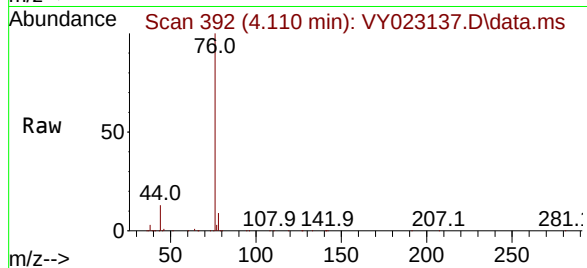
78 9.4 7.4 11.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/20/2025

Supervised By :Mahesh Dadoda 08/20/2025



#18

Methyl Acetate

Concen: 42.821 ug/l

RT: 4.385 min Scan# 437

Delta R.T. 0.006 min

Lab File: VY023137.D

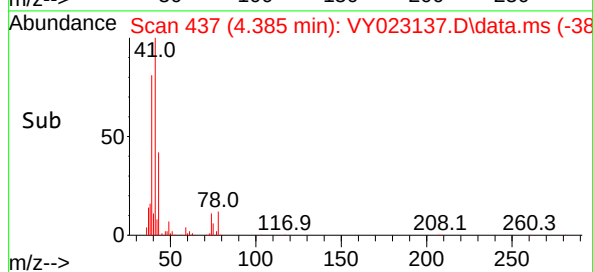
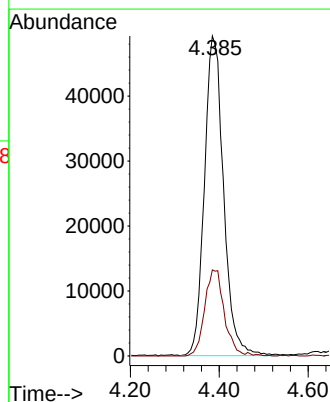
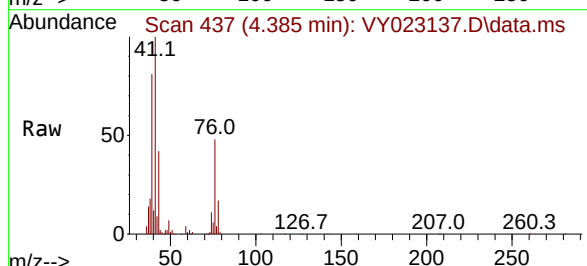
Acq: 19 Aug 2025 09:11

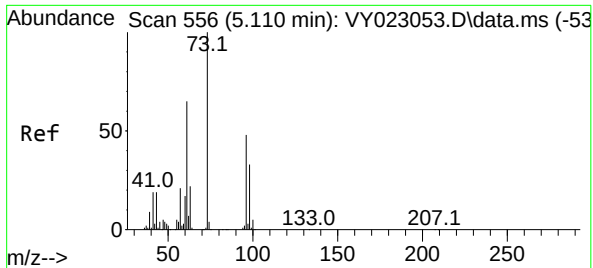
Tgt Ion: 43 Resp: 147420

Ion Ratio Lower Upper

43 100

74 27.3 21.2 31.8





#19

Methyl tert-butyl Ether

Concen: 48.545 ug/l

RT: 5.122 min Scan# 51

Delta R.T. 0.012 min

Lab File: VY023137.D

Acq: 19 Aug 2025 09:11

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 73 Resp: 67919

Ion Ratio Lower Upper

73 100

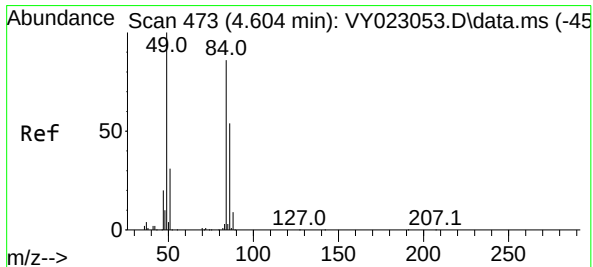
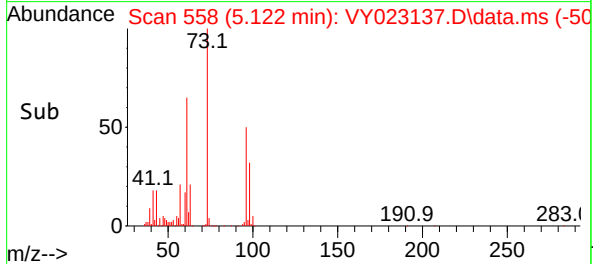
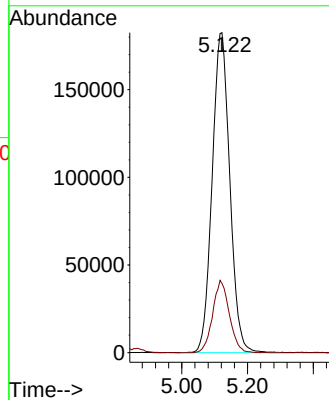
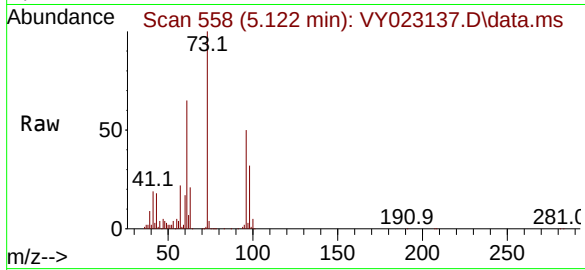
57 21.7 17.1 25.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/20/2025

Supervised By :Mahesh Dadoda 08/20/2025



#20

Methylene Chloride

Concen: 47.727 ug/l

RT: 4.616 min Scan# 475

Delta R.T. 0.012 min

Lab File: VY023137.D

Acq: 19 Aug 2025 09:11

Tgt Ion: 84 Resp: 287656

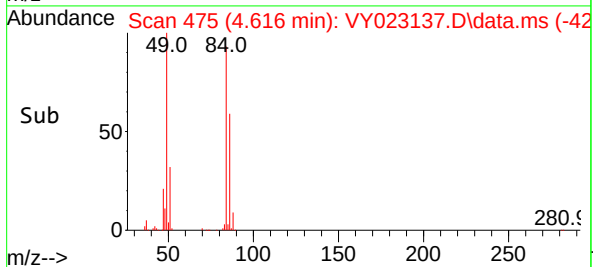
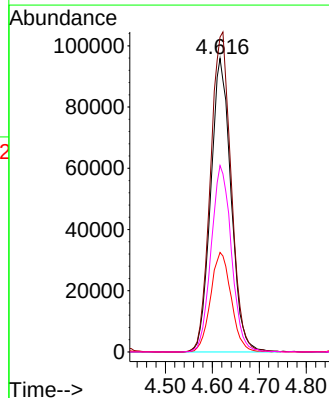
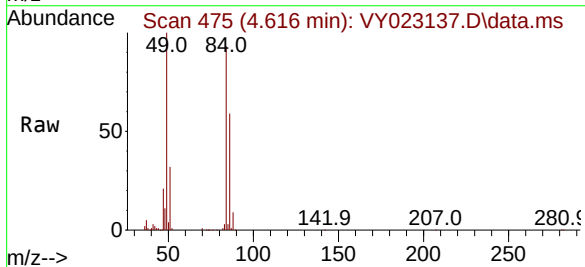
Ion Ratio Lower Upper

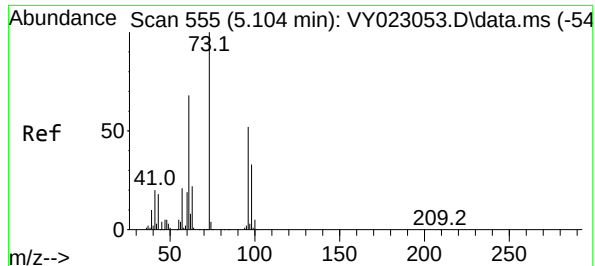
84 100

49 107.3 93.0 139.6

51 33.9 29.0 43.4

86 63.5 50.2 75.4





#21

trans-1,2-Dichloroethene

Concen: 49.404 ug/l

RT: 5.116 min Scan# 51

Delta R.T. 0.012 min

Lab File: VY023137.D

Acq: 19 Aug 2025 09:11

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 96 Resp: 299764

Ion Ratio Lower Upper

96 100

61 124.6 104.8 157.2

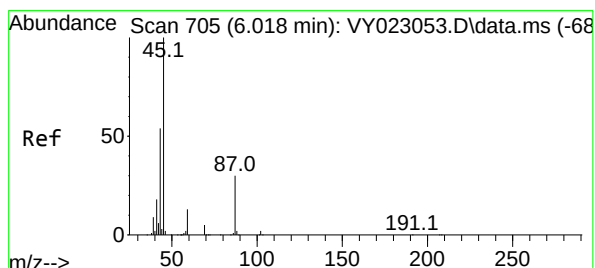
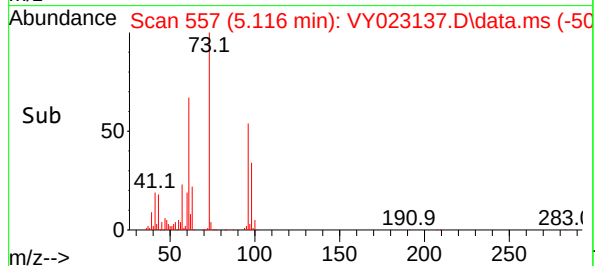
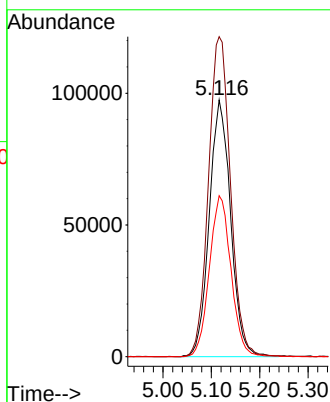
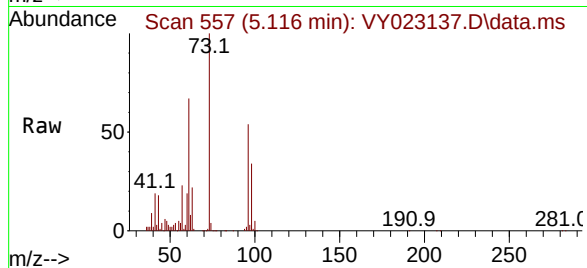
98 62.6 50.1 75.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/20/2025

Supervised By :Mahesh Dadoda 08/20/2025



#22

Diisopropyl ether

Concen: 47.793 ug/l

RT: 6.025 min Scan# 706

Delta R.T. 0.006 min

Lab File: VY023137.D

Acq: 19 Aug 2025 09:11

Tgt Ion: 45 Resp: 825090

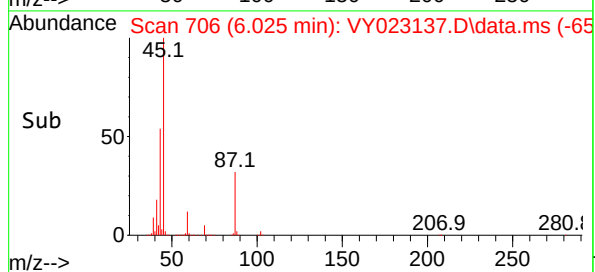
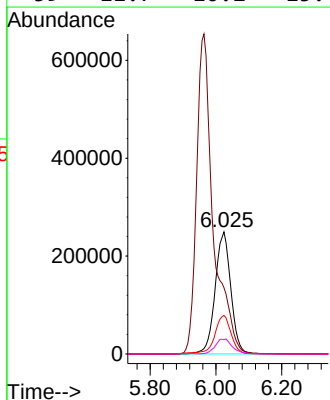
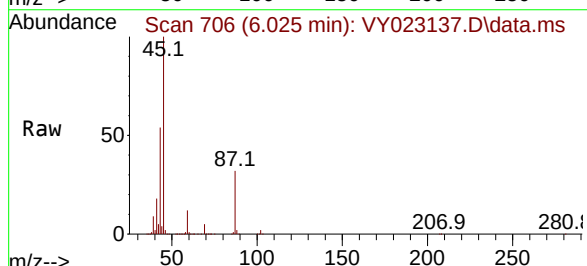
Ion Ratio Lower Upper

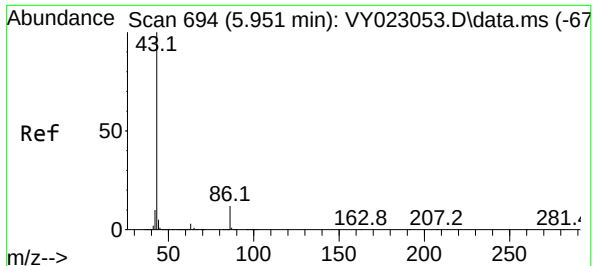
45 100

43 54.3 43.4 65.0

87 31.6 24.4 36.6

59 11.7 10.2 15.4





#23

Vinyl Acetate

Concen: 240.761 ug/l

RT: 5.964 min Scan# 694

Delta R.T. 0.012 min

Lab File: VY023137.D

Acq: 19 Aug 2025 09:11

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 2298290

Ion Ratio Lower Upper

43 100

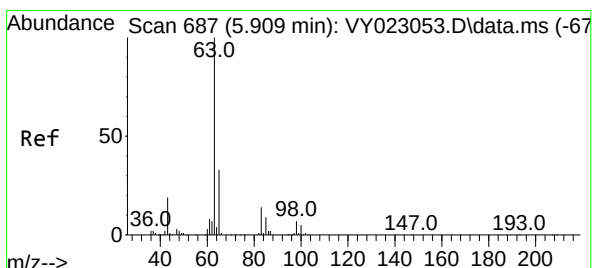
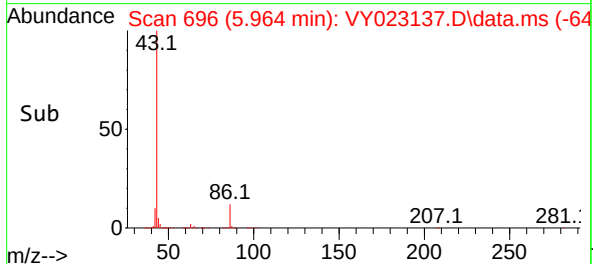
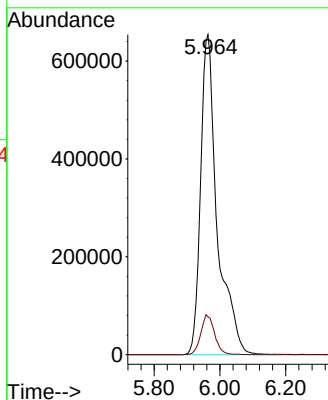
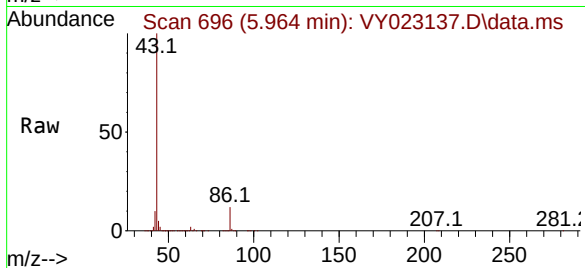
86 11.9 9.6 14.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/20/2025

Supervised By :Mahesh Dadoda 08/20/2025



#24

1,1-Dichloroethane

Concen: 48.199 ug/l

RT: 5.921 min Scan# 689

Delta R.T. 0.012 min

Lab File: VY023137.D

Acq: 19 Aug 2025 09:11

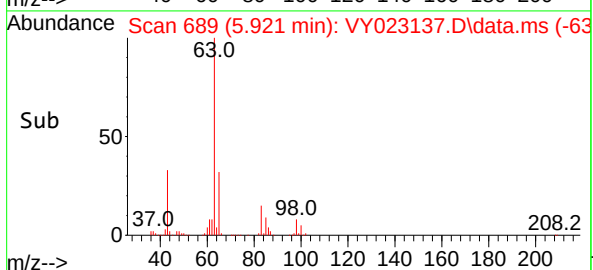
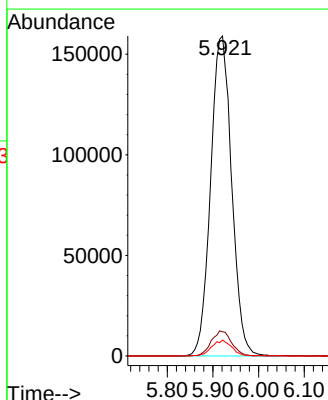
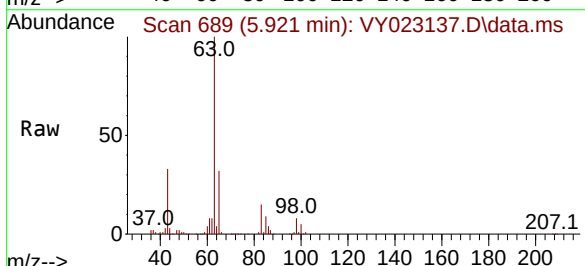
Tgt Ion: 63 Resp: 508733

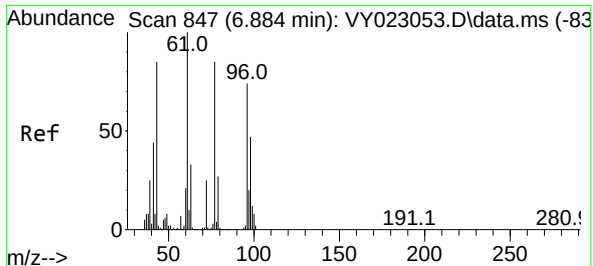
Ion Ratio Lower Upper

63 100

98 7.6 3.5 10.6

100 5.0 2.4 7.1





#25

2-Butanone

Concen: 244.351 ug/l

RT: 6.896 min Scan# 84

Delta R.T. 0.012 min

Lab File: VY023137.D

Acq: 19 Aug 2025 09:11

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 384462

Ion Ratio Lower Upper

43 100

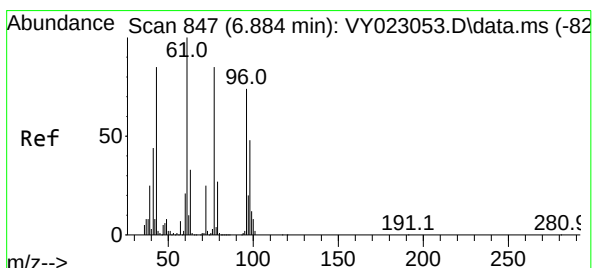
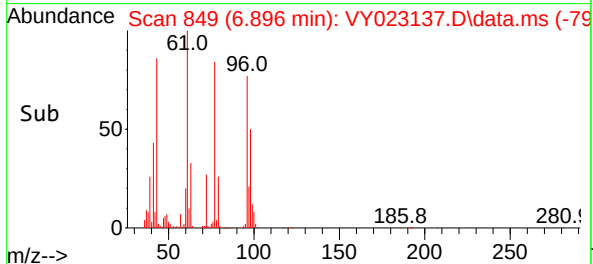
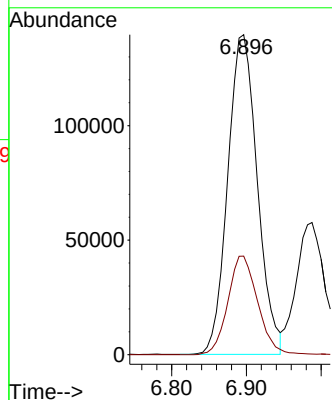
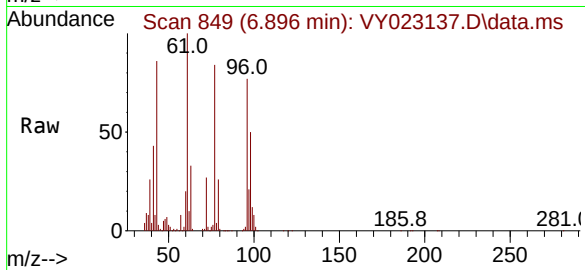
72 30.8 23.5 35.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/20/2025

Supervised By :Mahesh Dadoda 08/20/2025



#26

2,2-Dichloropropane

Concen: 51.414 ug/l

RT: 6.890 min Scan# 848

Delta R.T. 0.006 min

Lab File: VY023137.D

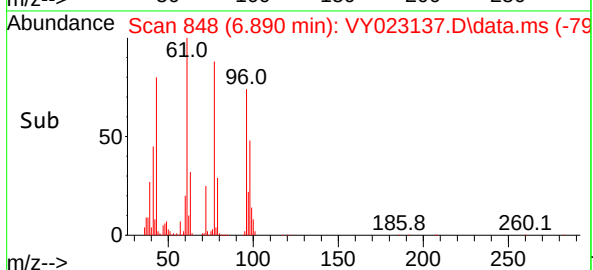
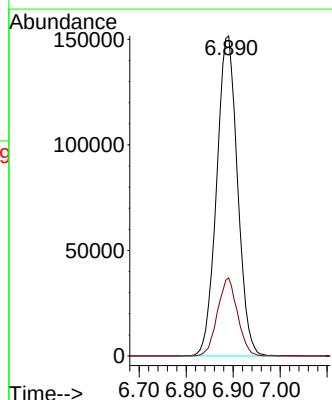
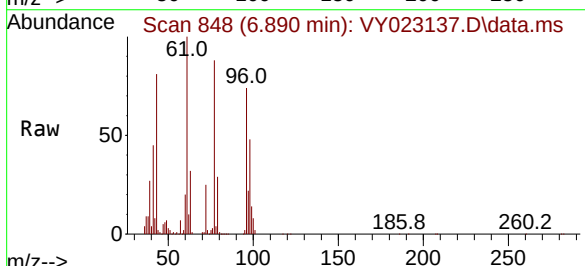
Acq: 19 Aug 2025 09:11

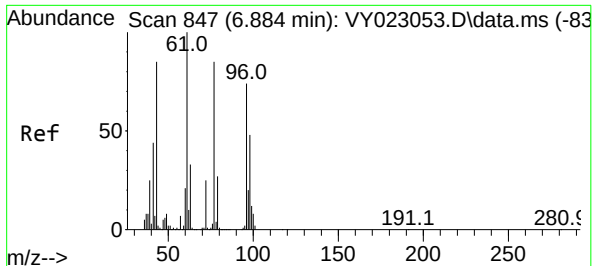
Tgt Ion: 77 Resp: 468257

Ion Ratio Lower Upper

77 100

97 23.4 11.6 34.8





#27

cis-1,2-Dichloroethene

Concen: 50.042 ug/l

RT: 6.890 min Scan# 847

Delta R.T. 0.006 min

Lab File: VY023137.D

Acq: 19 Aug 2025 09:11

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 96 Resp: 351019

Ion Ratio Lower Upper

96 100

61 135.5 0.0 278.6

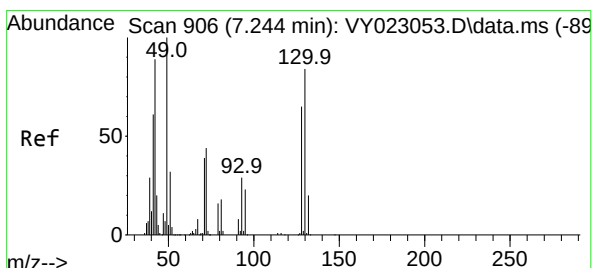
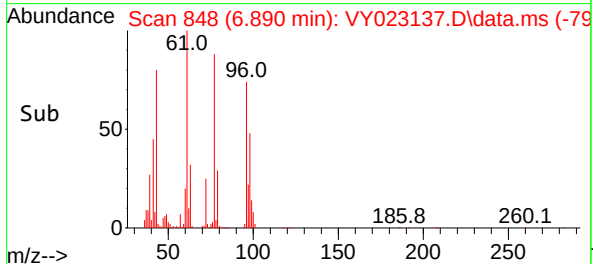
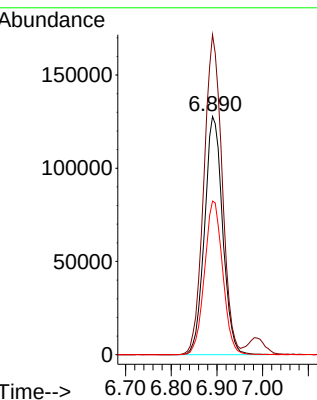
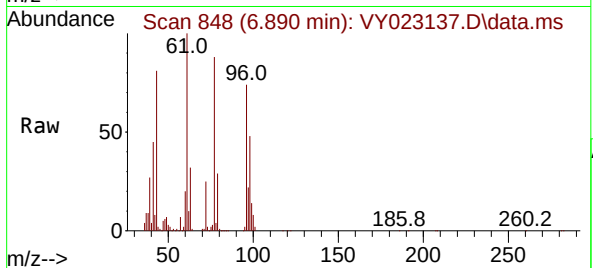
98 64.8 0.0 130.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/20/2025

Supervised By :Mahesh Dadoda 08/20/2025



#28

Bromochloromethane

Concen: 44.509 ug/l

RT: 7.244 min Scan# 906

Delta R.T. 0.000 min

Lab File: VY023137.D

Acq: 19 Aug 2025 09:11

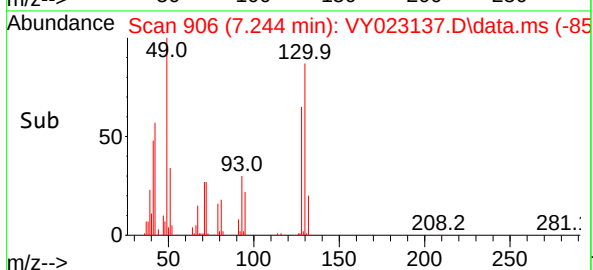
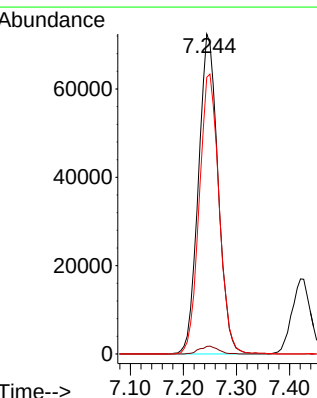
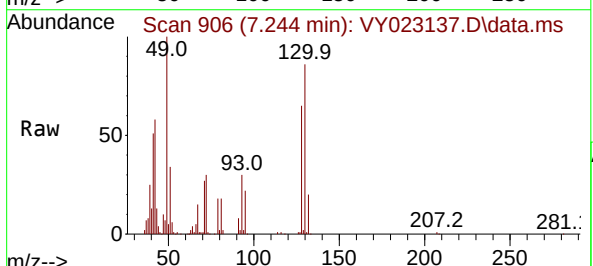
Tgt Ion: 49 Resp: 186381

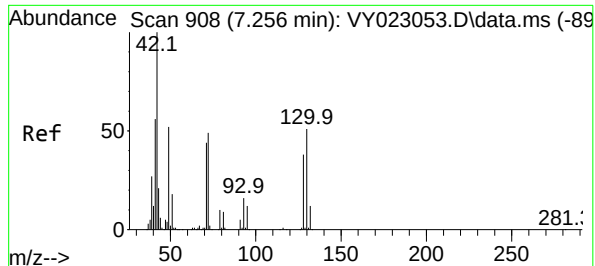
Ion Ratio Lower Upper

49 100

129 2.3 0.0 4.2

130 87.8 66.4 99.6





#29

Tetrahydrofuran

Concen: 226.737 ug/l

RT: 7.262 min Scan# 908

Delta R.T. 0.006 min

Lab File: VY023137.D

Acq: 19 Aug 2025 09:11

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 42 Resp: 22113

Ion Ratio Lower Upper

42 100

72 51.1 39.4 59.2

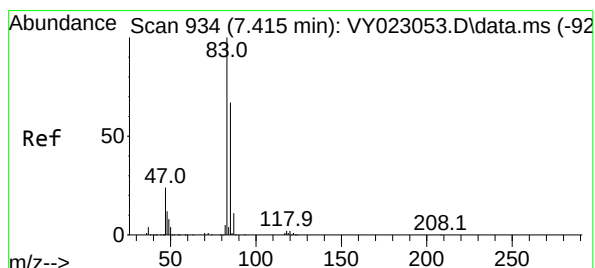
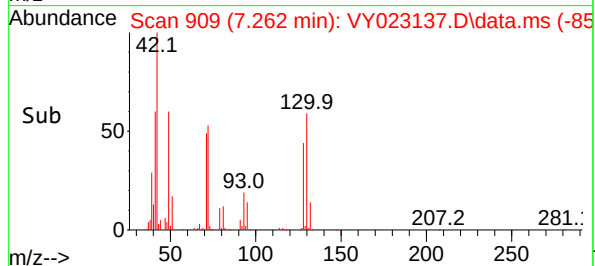
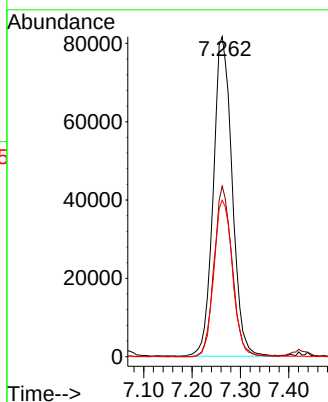
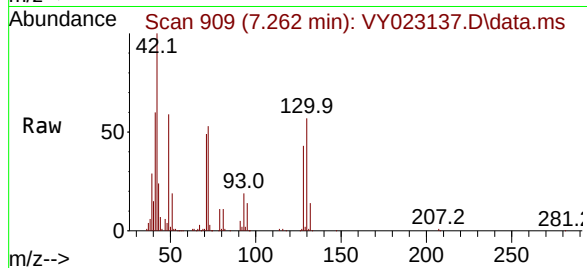
71 48.6 36.5 54.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/20/2025

Supervised By :Mahesh Dadoda 08/20/2025



#30

Chloroform

Concen: 49.287 ug/l

RT: 7.421 min Scan# 935

Delta R.T. 0.006 min

Lab File: VY023137.D

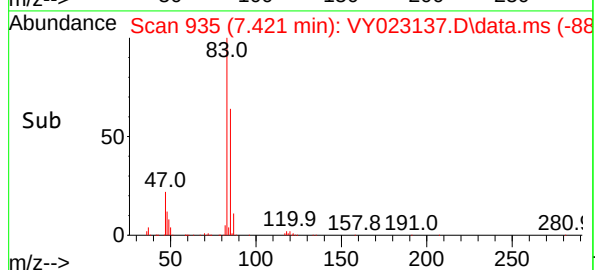
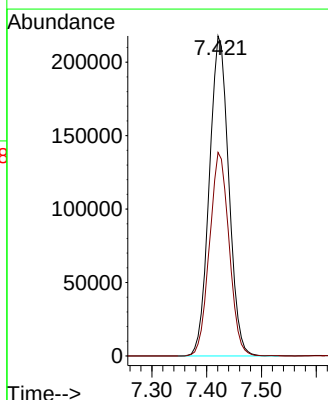
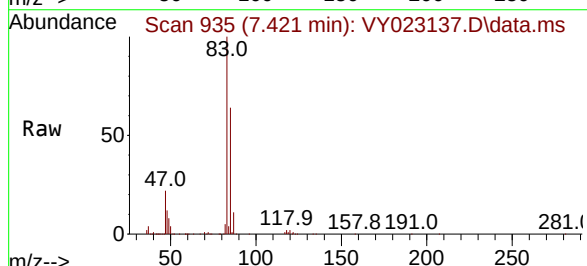
Acq: 19 Aug 2025 09:11

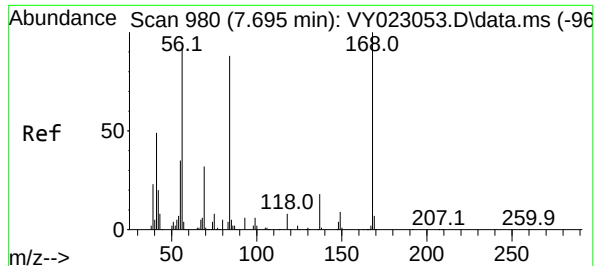
Tgt Ion: 83 Resp: 536519

Ion Ratio Lower Upper

83 100

85 63.6 53.8 80.8





#31

Cyclohexane

Concen: 46.269 ug/l

RT: 7.701 min Scan# 981

Delta R.T. 0.006 min

Lab File: VY023137.D

Acq: 19 Aug 2025 09:11

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 56 Resp: 460210

Ion Ratio Lower Upper

56 100

69 34.6 28.2 42.2

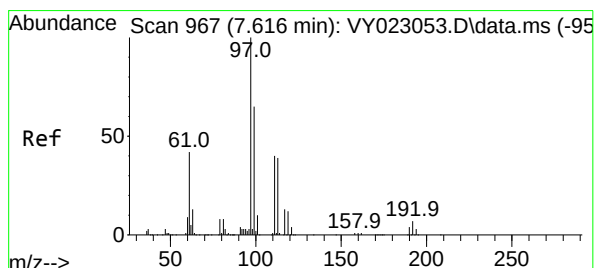
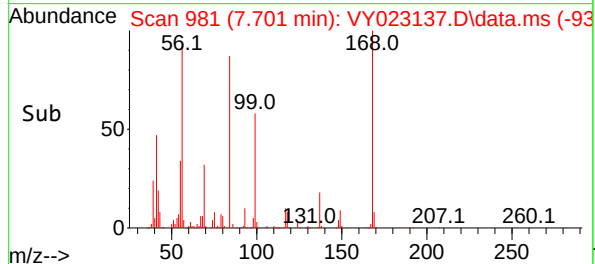
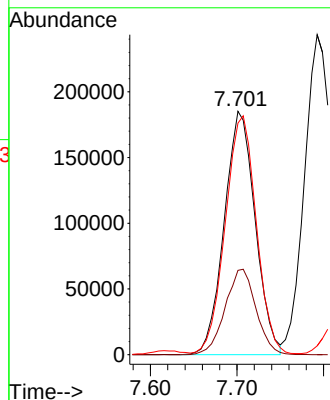
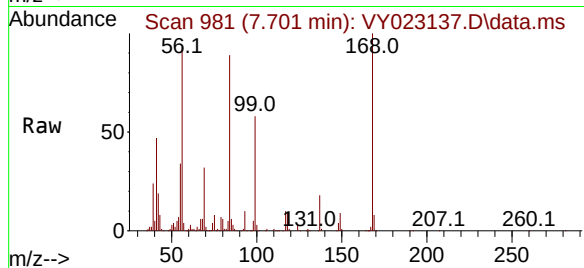
84 94.2 76.6 114.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/20/2025

Supervised By :Mahesh Dadoda 08/20/2025



#32

1,1,1-Trichloroethane

Concen: 50.106 ug/l

RT: 7.616 min Scan# 967

Delta R.T. 0.000 min

Lab File: VY023137.D

Acq: 19 Aug 2025 09:11

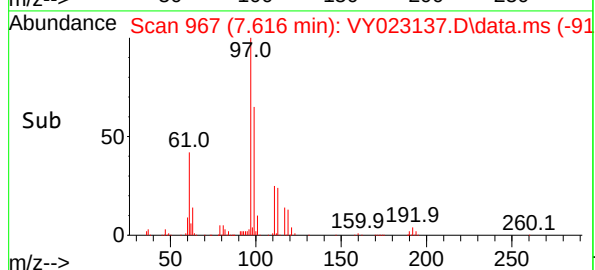
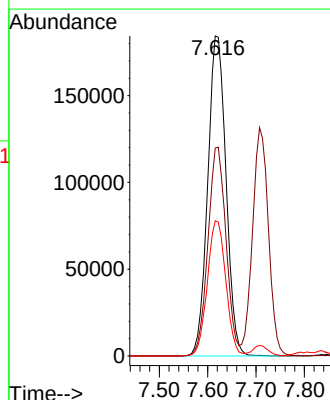
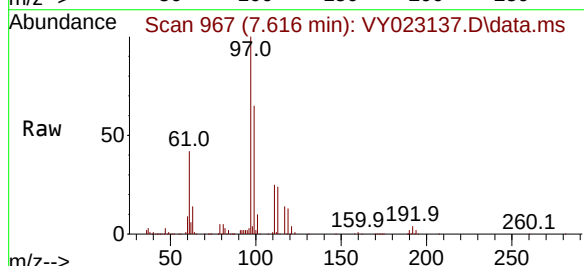
Tgt Ion: 97 Resp: 483961

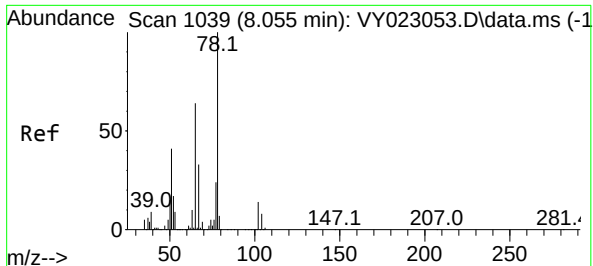
Ion Ratio Lower Upper

97 100

99 64.5 51.6 77.4

61 42.7 34.2 51.2





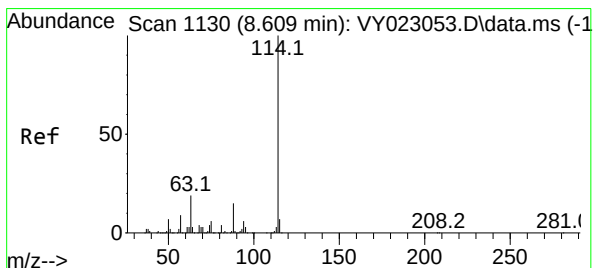
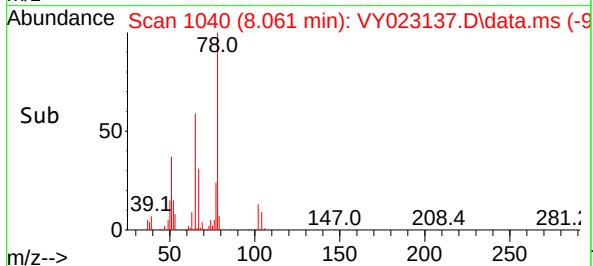
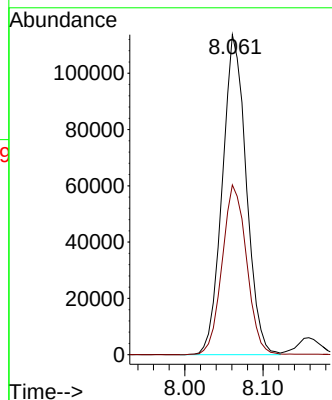
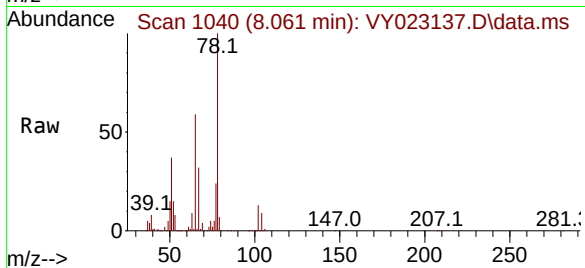
#33
1,2-Dichloroethane-d4
Concen: 45.256 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDC050

Tgt Ion: 65 Resp: 241668
Ion Ratio Lower Upper
65 100
67 54.3 0.0 106.8

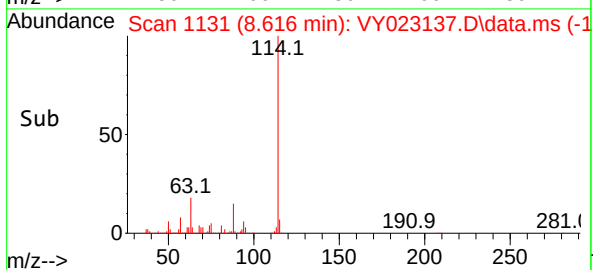
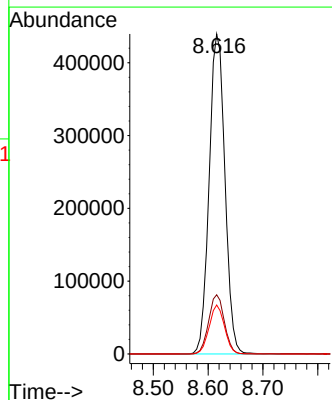
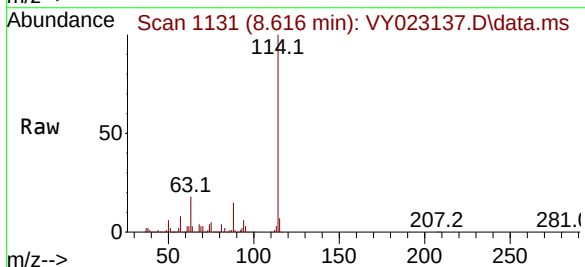
Manual Integrations
APPROVED

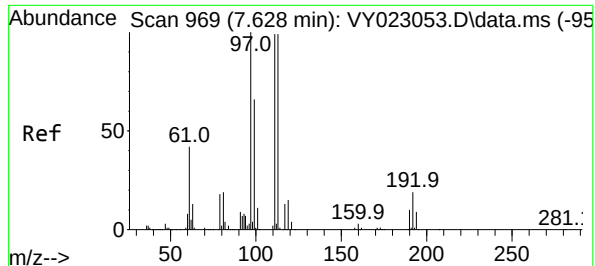
Reviewed By :John Carlone 08/20/2025
Supervised By :Mahesh Dadoda 08/20/2025



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Tgt Ion:114 Resp: 876189
Ion Ratio Lower Upper
114 100
63 18.5 0.0 38.4
88 15.3 0.0 30.0





#35

Dibromofluoromethane

Concen: 48.854 ug/l

RT: 7.634 min Scan# 91

Delta R.T. 0.006 min

Lab File: VY023137.D

Acq: 19 Aug 2025 09:11

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion:113 Resp: 25613

Ion Ratio Lower Upper

113 100

111 102.6 81.1 121.7

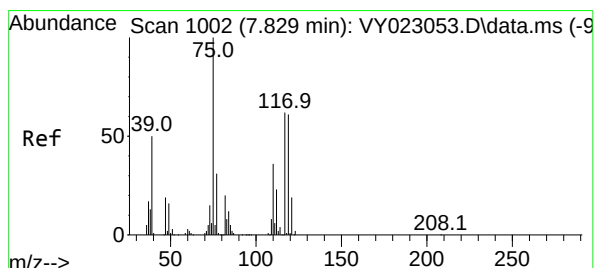
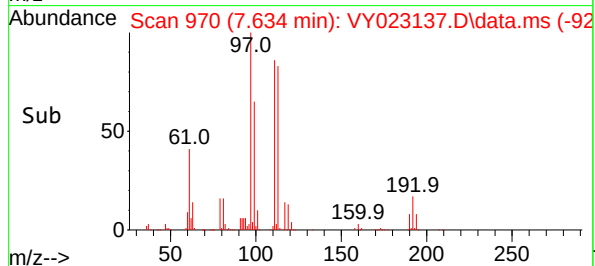
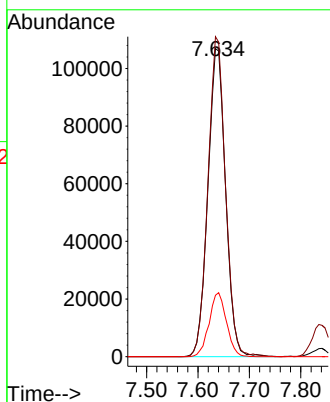
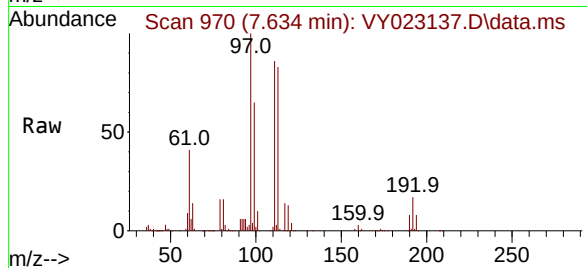
192 20.3 16.2 24.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/20/2025

Supervised By :Mahesh Dadoda 08/20/2025



#36

1,1-Dichloropropene

Concen: 50.818 ug/l

RT: 7.835 min Scan# 1003

Delta R.T. 0.006 min

Lab File: VY023137.D

Acq: 19 Aug 2025 09:11

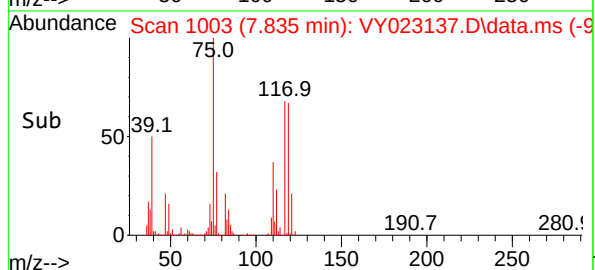
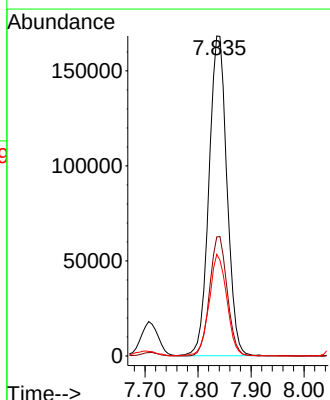
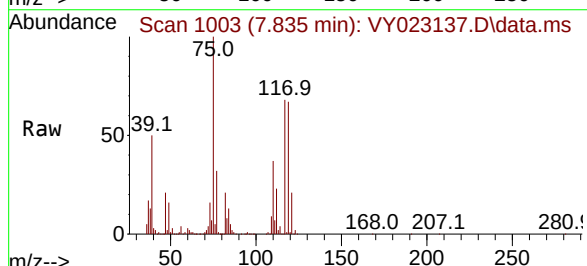
Tgt Ion: 75 Resp: 395952

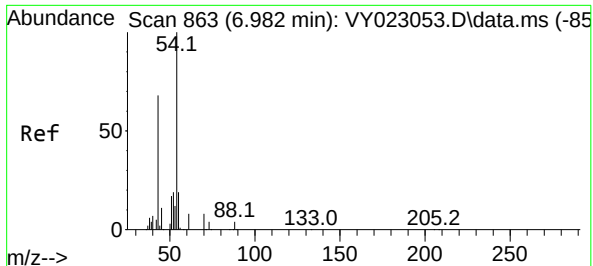
Ion Ratio Lower Upper

75 100

110 36.7 18.1 54.4

77 31.3 24.6 37.0





#37

Ethyl Acetate

Concen: 48.006 ug/l

RT: 6.988 min Scan# 80

Delta R.T. 0.006 min

Lab File: VY023137.D

Acq: 19 Aug 2025 09:11

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 157120

Ion Ratio Lower Upper

43 100

61 14.5 11.9 17.9

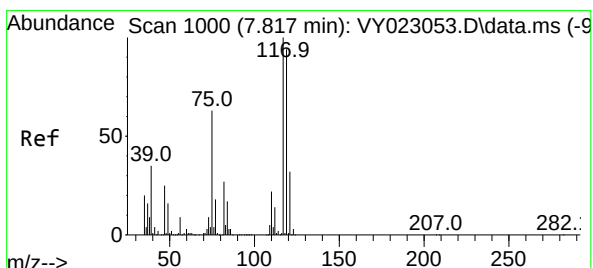
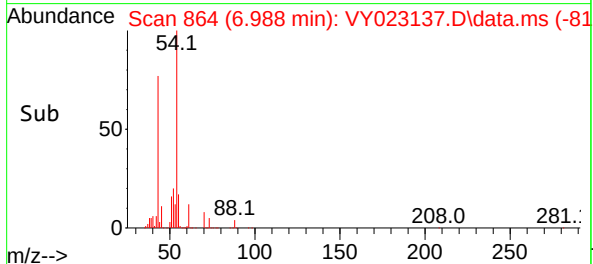
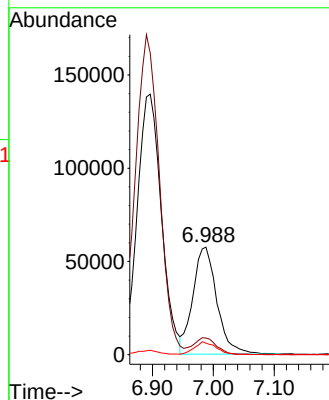
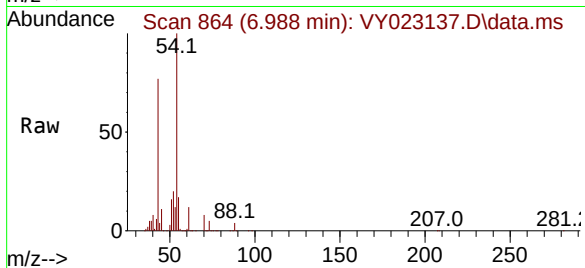
70 11.1 8.8 13.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/20/2025

Supervised By :Mahesh Dadoda 08/20/2025



#38

Carbon Tetrachloride

Concen: 51.581 ug/l

RT: 7.817 min Scan# 1000

Delta R.T. 0.000 min

Lab File: VY023137.D

Acq: 19 Aug 2025 09:11

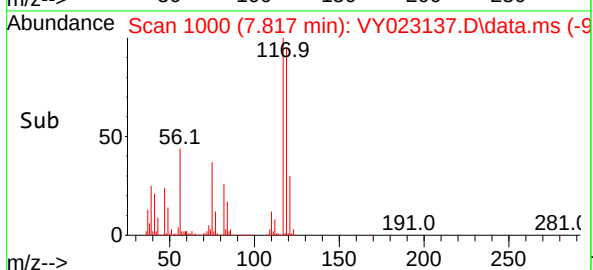
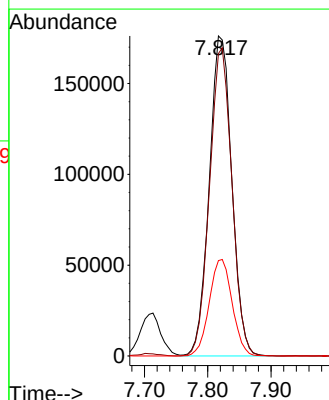
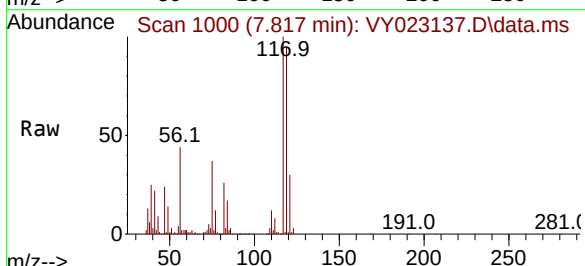
Tgt Ion:117 Resp: 436510

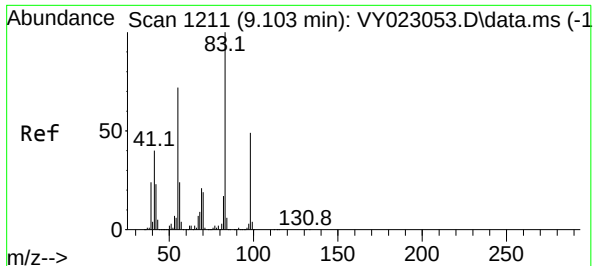
Ion Ratio Lower Upper

117 100

119 94.5 75.6 113.4

121 29.8 25.8 38.8





#39

Methylcyclohexane

Concen: 51.832 ug/l

RT: 9.109 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023137.D

Acq: 19 Aug 2025 09:11

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 83 Resp: 531820

Ion Ratio Lower Upper

83 100

55 68.7 57.6 86.4

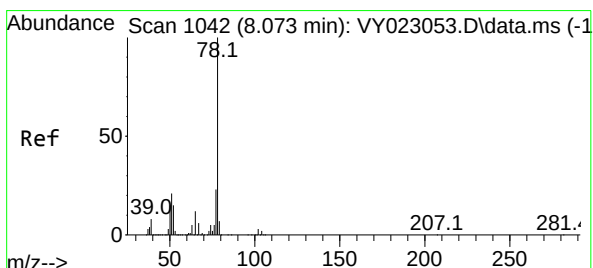
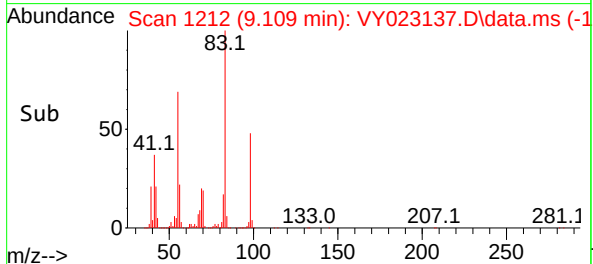
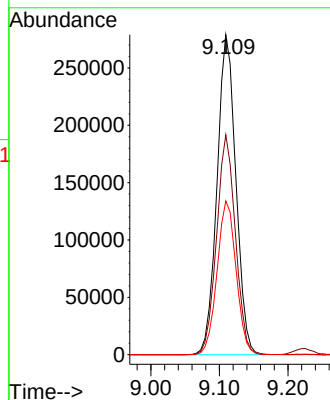
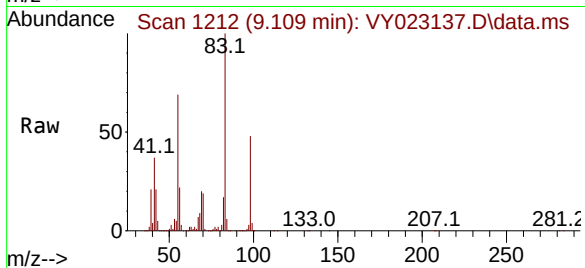
98 48.0 39.2 58.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/20/2025

Supervised By :Mahesh Dadoda 08/20/2025



#40

Benzene

Concen: 50.401 ug/l

RT: 8.079 min Scan# 1043

Delta R.T. 0.006 min

Lab File: VY023137.D

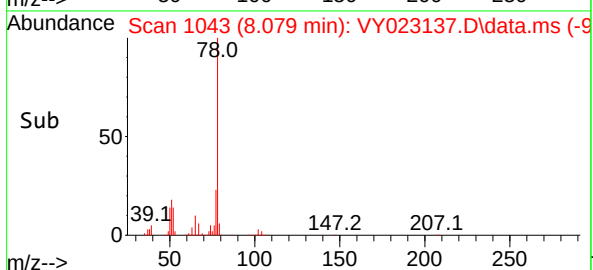
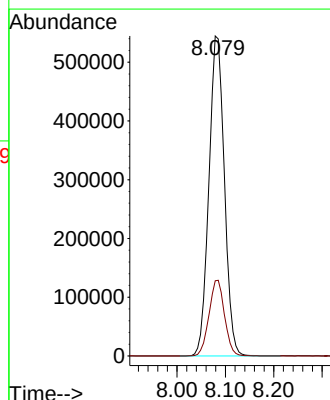
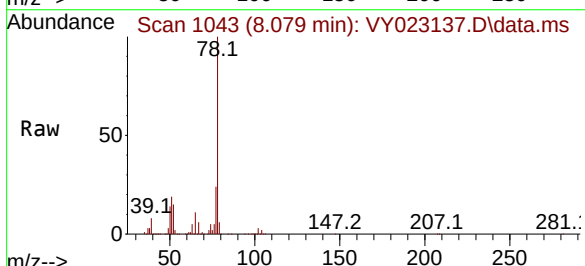
Acq: 19 Aug 2025 09:11

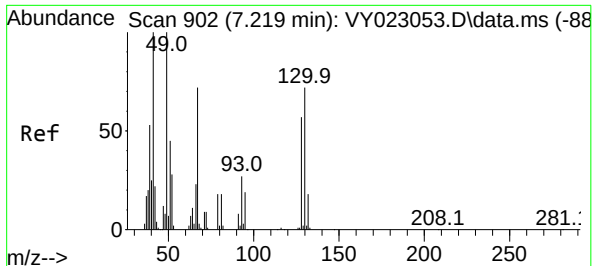
Tgt Ion: 78 Resp: 1210380

Ion Ratio Lower Upper

78 100

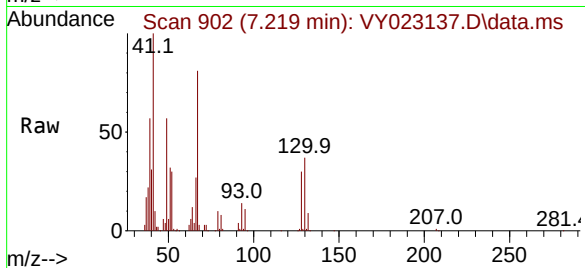
77 23.5 18.6 28.0





#41
Methacrylonitrile
Concen: 46.765 ug/l m
RT: 7.219 min Scan# 902
Delta R.T. 0.000 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

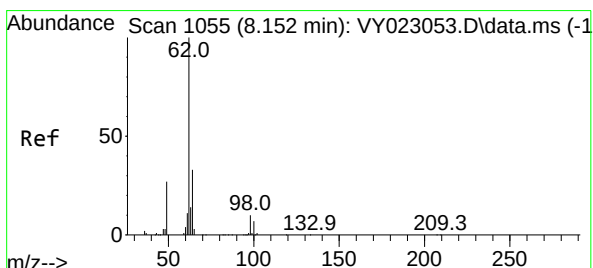
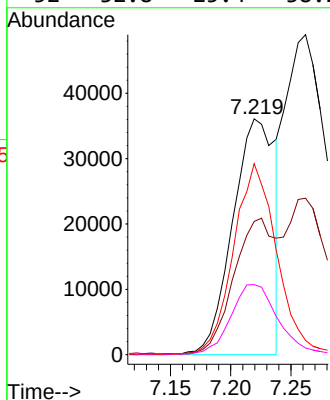
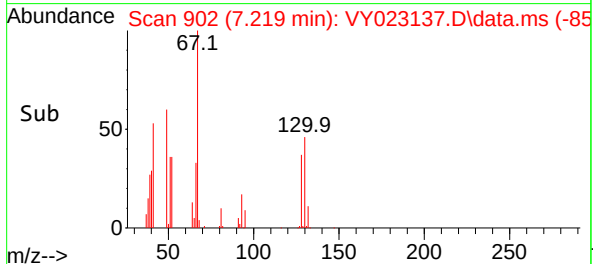
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



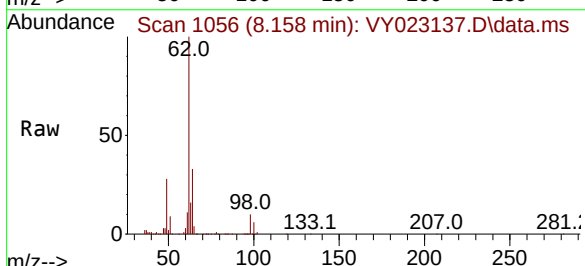
Tgt Ion: 41 Resp: 8833
Ion Ratio Lower Upper
41 100
39 55.8 43.4 65.2
67 82.9 63.6 95.4
52 32.8 25.4 38.2

Manual Integrations
APPROVED

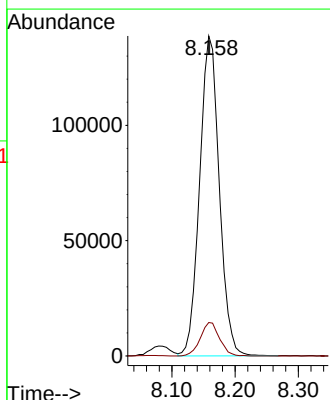
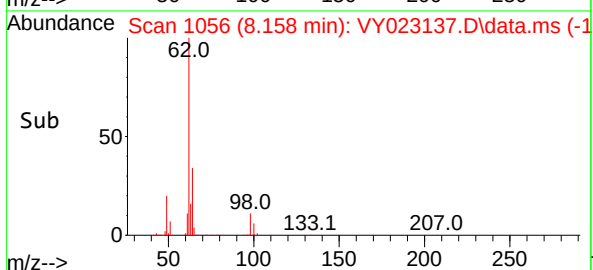
Reviewed By :John Carlone 08/20/2025
Supervised By :Mahesh Dadoda 08/20/2025

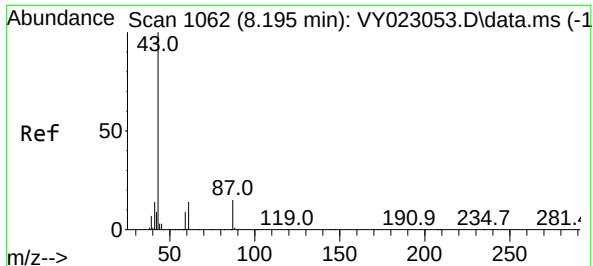


#42
1,2-Dichloroethane
Concen: 48.044 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11



Tgt Ion: 62 Resp: 300070
Ion Ratio Lower Upper
62 100
98 10.2 0.0 20.6





#43

Isopropyl Acetate

Concen: 46.703 ug/l

RT: 8.201 min Scan# 1063

Delta R.T. 0.006 min

Lab File: VY023137.D

Acq: 19 Aug 2025 09:11

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 30895

Ion Ratio Lower Upper

43 100

61 32.2 16.4 24.6

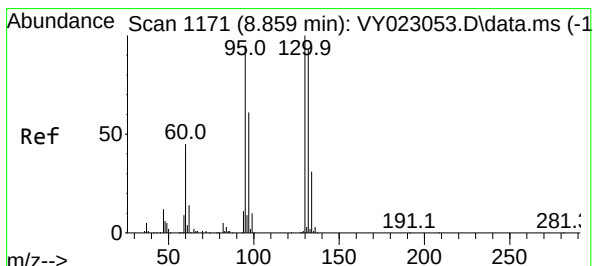
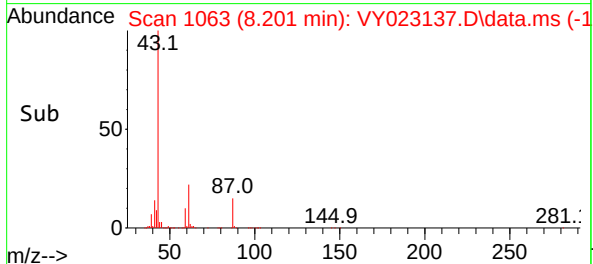
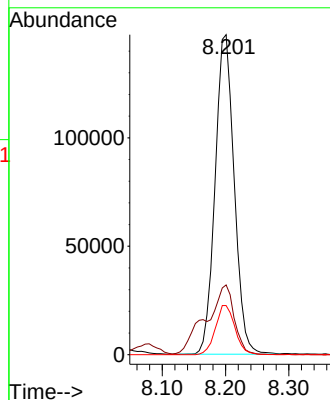
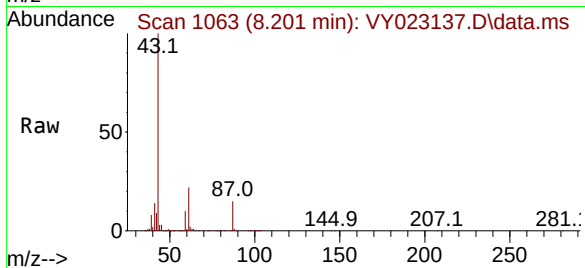
87 15.7 11.8 17.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/20/2025

Supervised By :Mahesh Dadoda 08/20/2025



#44

Trichloroethene

Concen: 51.463 ug/l

RT: 8.866 min Scan# 1172

Delta R.T. 0.006 min

Lab File: VY023137.D

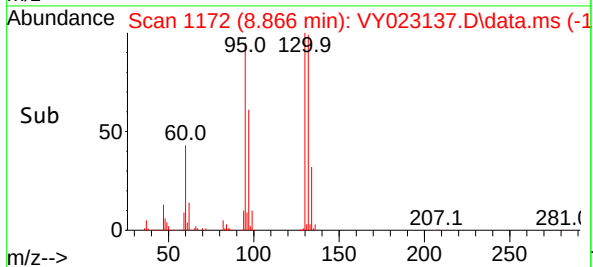
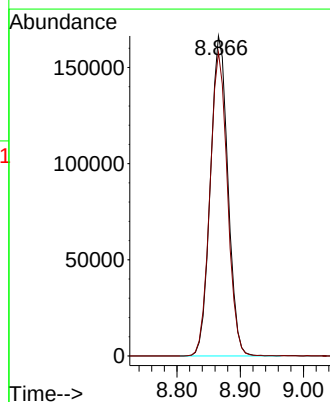
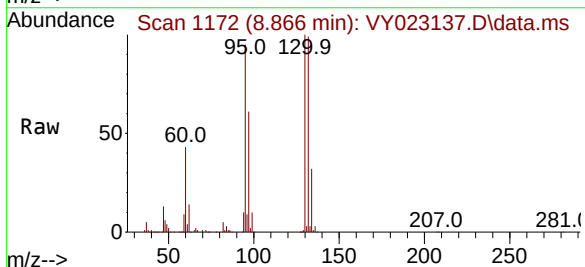
Acq: 19 Aug 2025 09:11

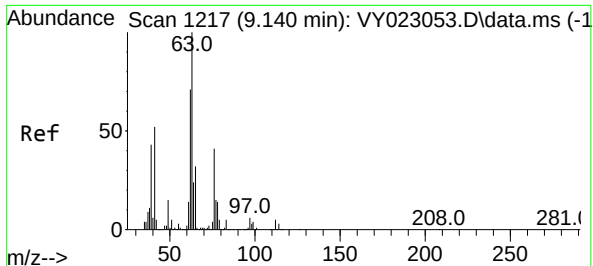
Tgt Ion:130 Resp: 319381

Ion Ratio Lower Upper

130 100

95 95.0 0.0 190.2





#45

1,2-Dichloropropane

Concen: 50.044 ug/l

RT: 9.146 min Scan# 1217

Delta R.T. 0.006 min

Lab File: VY023137.D

Acq: 19 Aug 2025 09:11

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 63 Resp: 276520

Ion Ratio Lower Upper

63 100

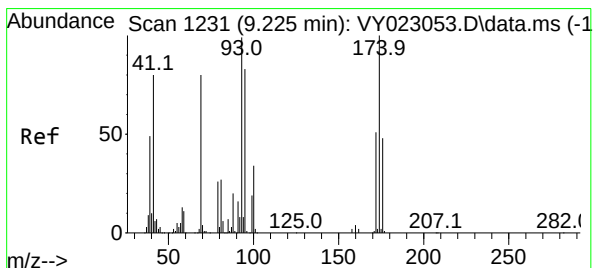
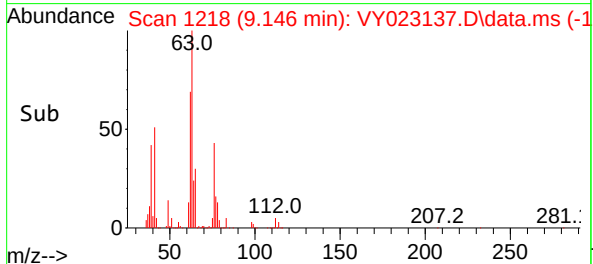
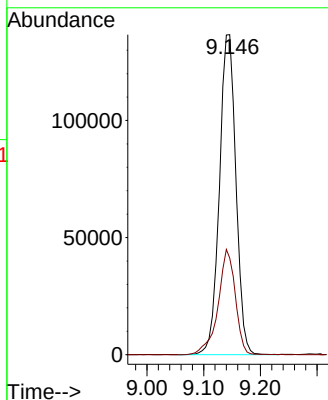
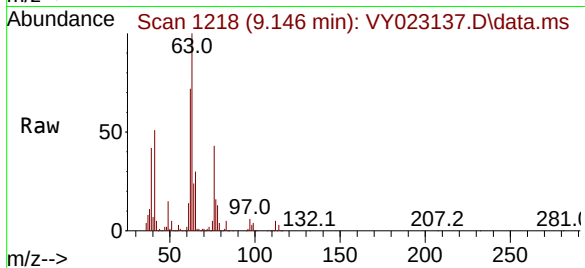
65 30.2 25.3 37.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/20/2025

Supervised By :Mahesh Dadoda 08/20/2025



#46

Dibromomethane

Concen: 49.637 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. 0.006 min

Lab File: VY023137.D

Acq: 19 Aug 2025 09:11

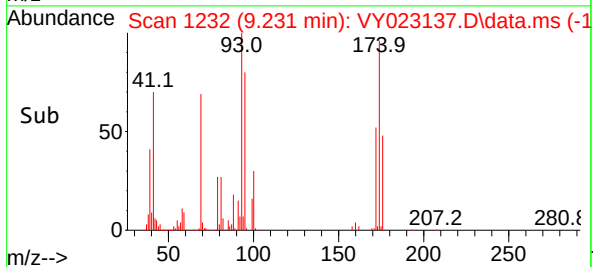
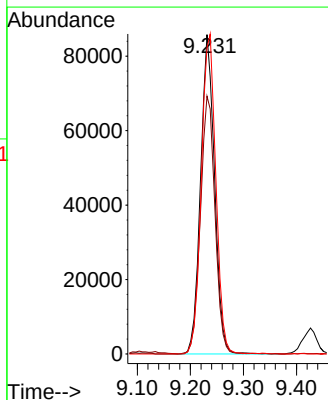
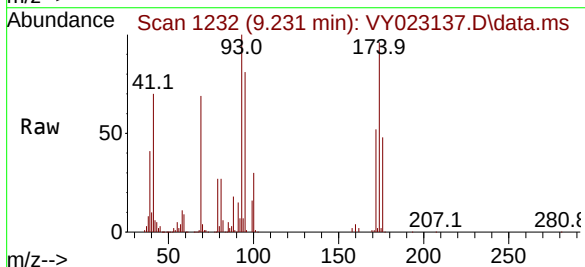
Tgt Ion: 93 Resp: 157422

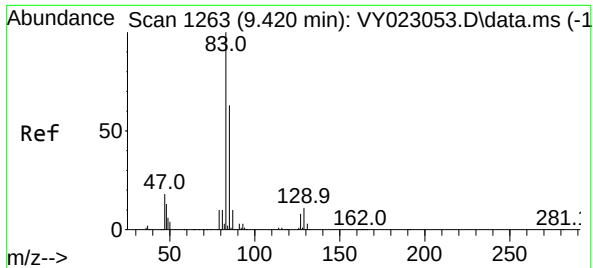
Ion Ratio Lower Upper

93 100

95 83.8 66.5 99.7

174 103.7 81.8 122.8





#47

Bromodichloromethane

Concen: 49.781 ug/l

RT: 9.426 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023137.D

Acq: 19 Aug 2025 09:11

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 83 Resp: 406240

Ion Ratio Lower Upper

83 100

85 65.2 50.2 75.4

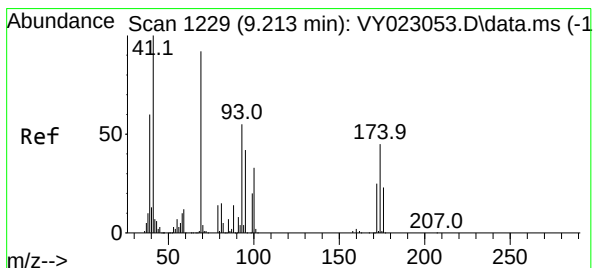
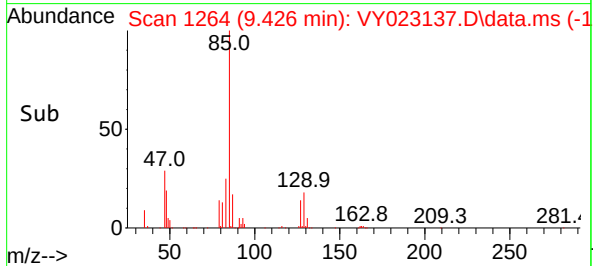
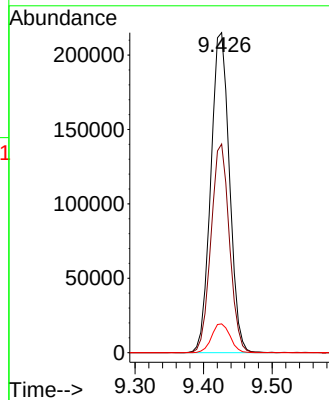
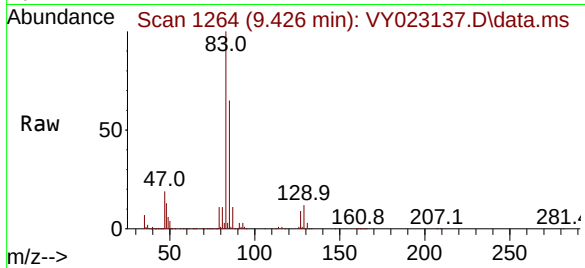
127 9.0 6.6 10.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/20/2025

Supervised By :Mahesh Dadoda 08/20/2025



#48

Methyl methacrylate

Concen: 48.023 ug/l

RT: 9.219 min Scan# 1230

Delta R.T. 0.006 min

Lab File: VY023137.D

Acq: 19 Aug 2025 09:11

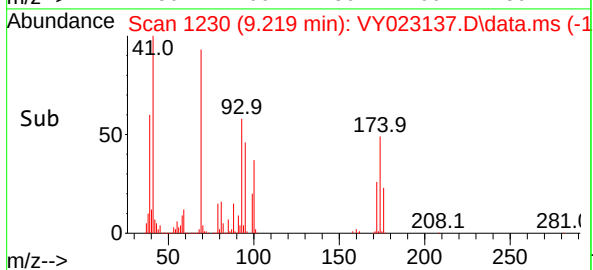
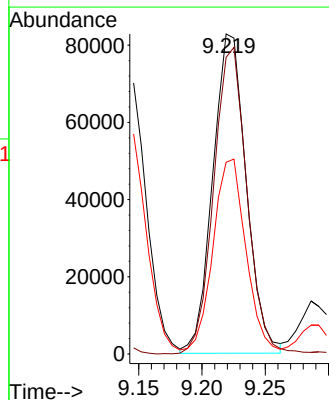
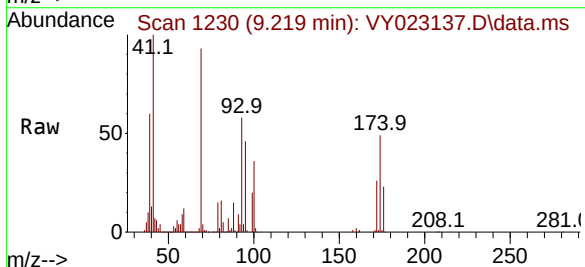
Tgt Ion: 41 Resp: 152020

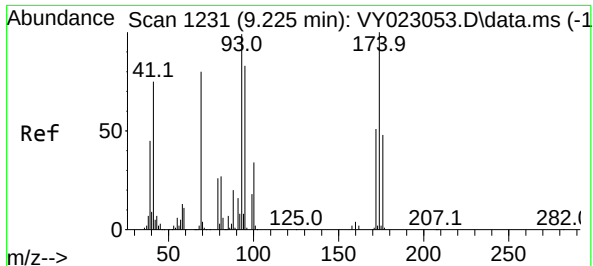
Ion Ratio Lower Upper

41 100

69 95.3 73.2 109.8

39 58.1 47.0 70.4





#49

1,4-Dioxane

Concen: 934.713 ug/l

RT: 9.231 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023137.D

Acq: 19 Aug 2025 09:11

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 88 Resp: 34759

Ion Ratio Lower Upper

88 100

43 30.0 24.3 36.5

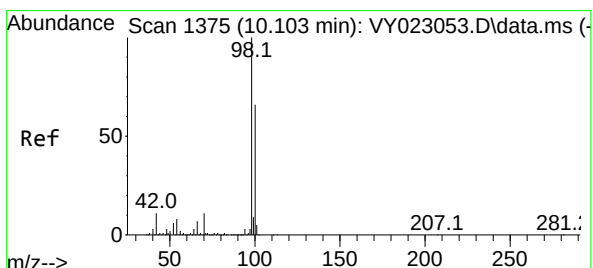
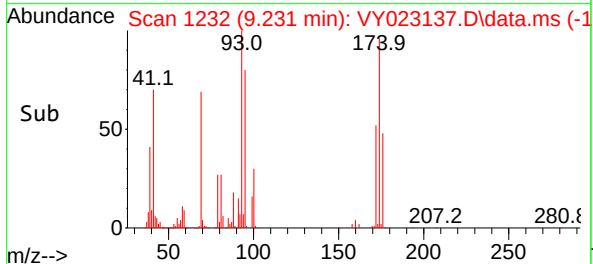
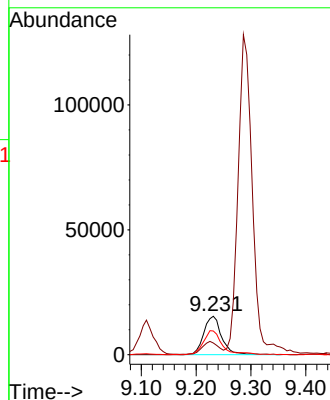
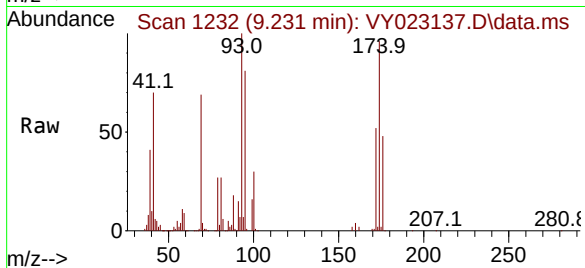
58 65.6 55.4 83.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/20/2025

Supervised By :Mahesh Dadoda 08/20/2025



#50

Toluene-d8

Concen: 49.217 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.006 min

Lab File: VY023137.D

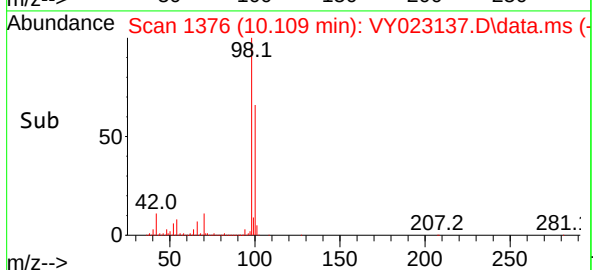
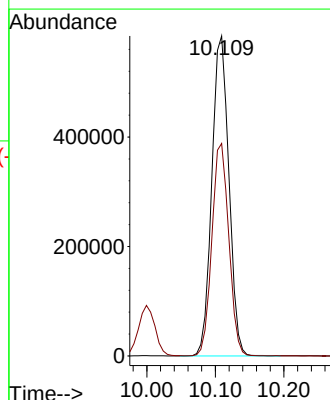
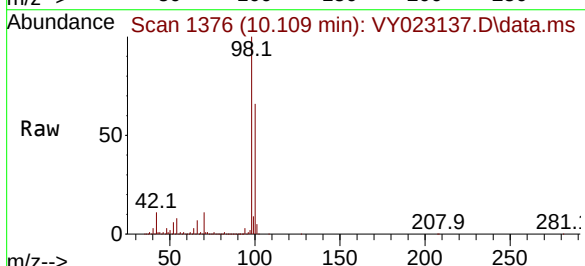
Acq: 19 Aug 2025 09:11

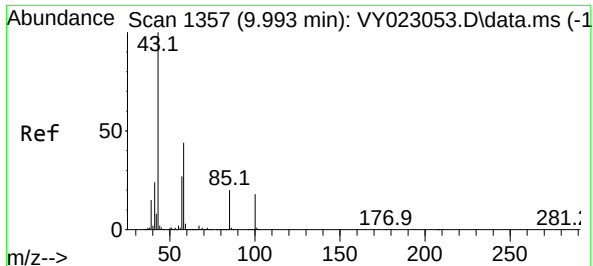
Tgt Ion: 98 Resp: 1008048

Ion Ratio Lower Upper

98 100

100 65.9 52.3 78.5





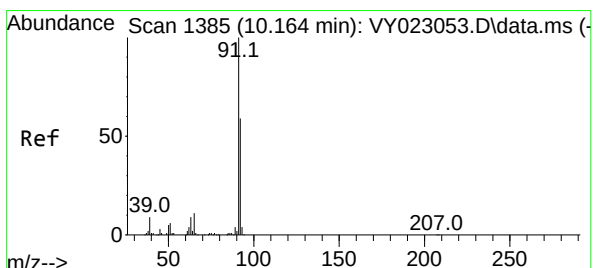
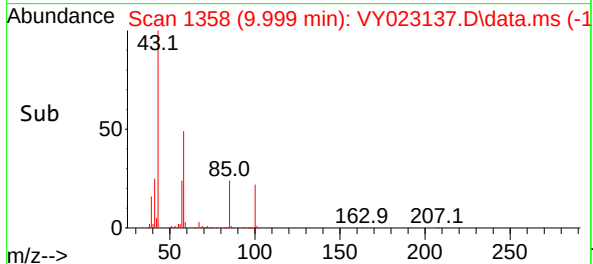
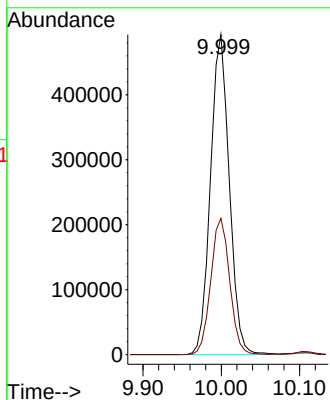
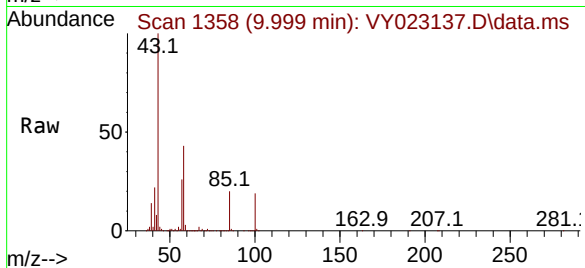
#51
4-Methyl-2-Pentanone
Concen: 240.906 ug/l
RT: 9.999 min Scan# 1357
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 822063
Ion Ratio Lower Upper
43 100
58 43.0 33.5 50.3

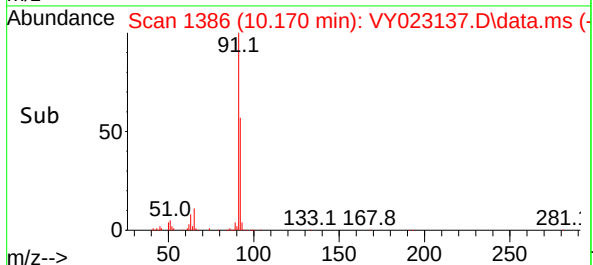
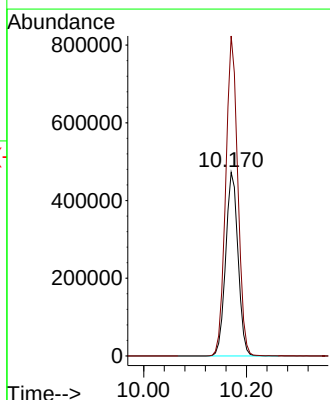
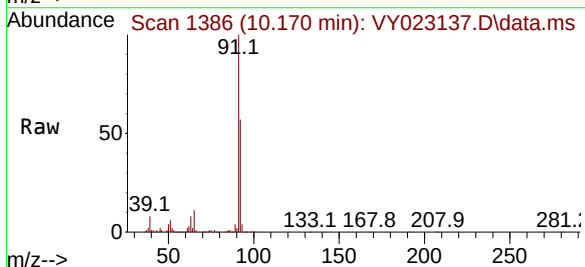
Manual Integrations
APPROVED

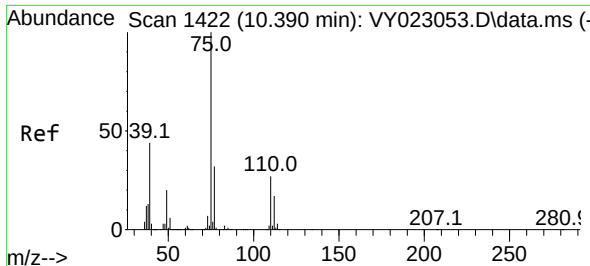
Reviewed By :John Carlone 08/20/2025
Supervised By :Mahesh Dadoda 08/20/2025



#52
Toluene
Concen: 51.669 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

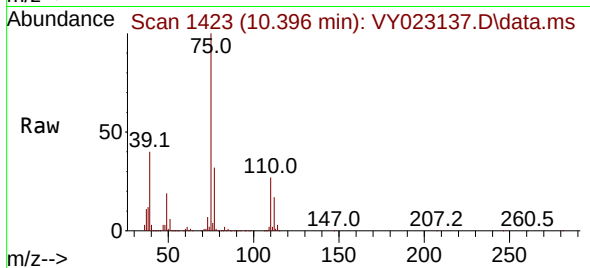
Tgt Ion: 92 Resp: 788070
Ion Ratio Lower Upper
92 100
91 170.0 136.4 204.6





#53
t-1,3-Dichloropropene
Concen: 51.112 ug/l
RT: 10.396 min Scan# 1423
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

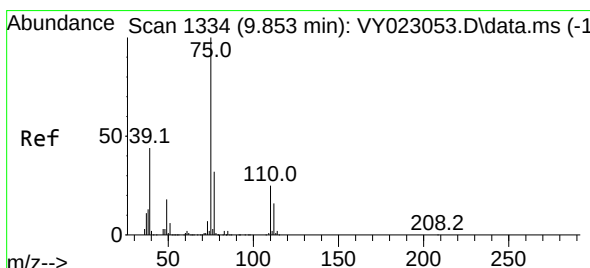
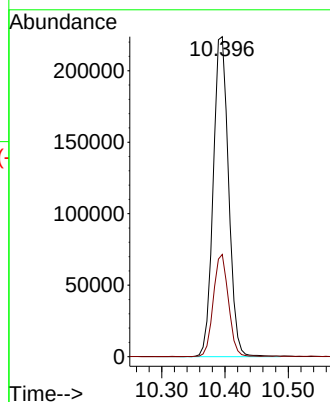
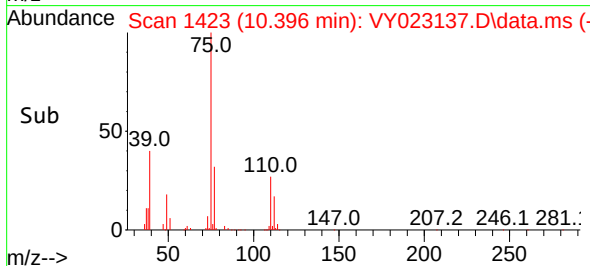
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



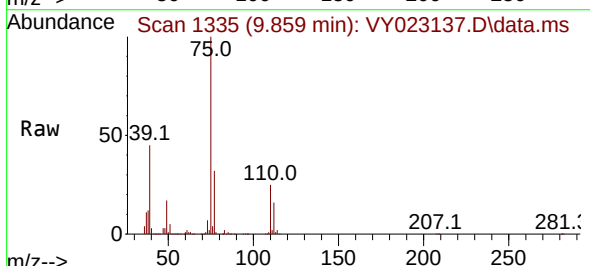
Tgt Ion: 75 Resp: 377708
Ion Ratio Lower Upper
75 100
77 31.9 25.7 38.5

Manual Integrations
APPROVED

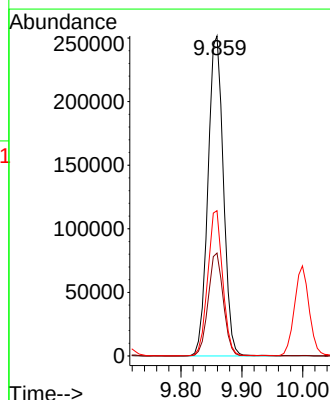
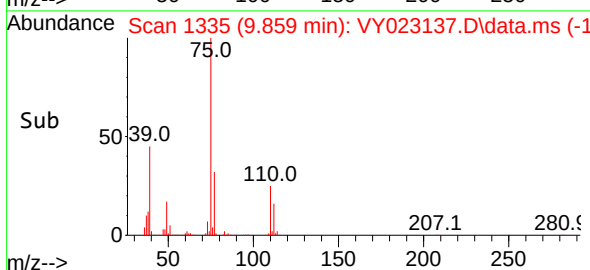
Reviewed By :John Carlone 08/20/2025
Supervised By :Mahesh Dadoda 08/20/2025

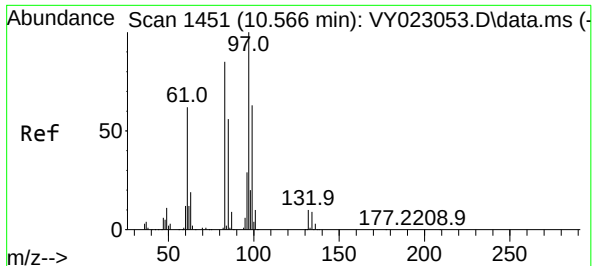


#54
cis-1,3-Dichloropropene
Concen: 50.516 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11



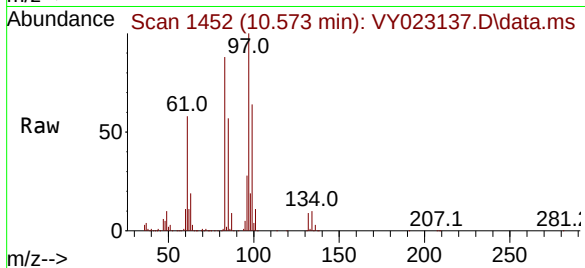
Tgt Ion: 75 Resp: 441435
Ion Ratio Lower Upper
75 100
77 32.1 25.4 38.0
39 45.3 35.6 53.4





#55
1,1,2-Trichloroethane
Concen: 50.206 ug/l
RT: 10.573 min Scan# 1451
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

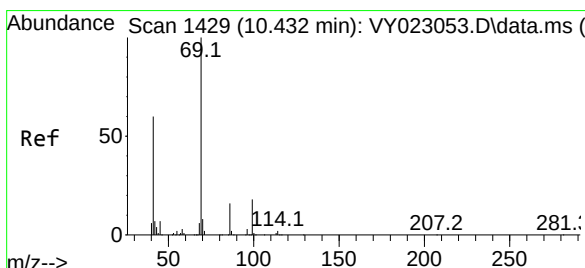
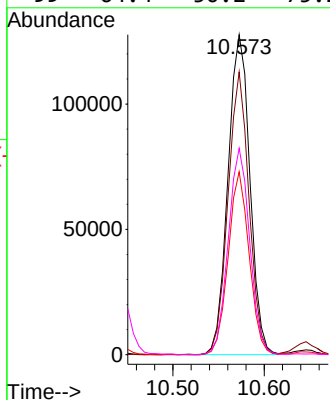
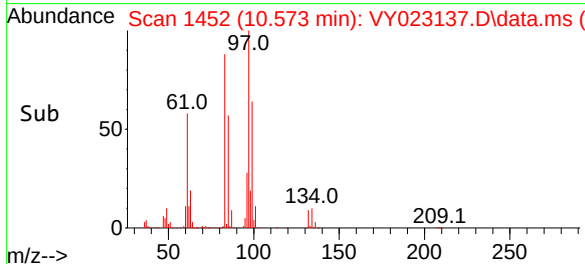
Instrument :
MSVOA_Y
ClientSampleId :
VSTDC050



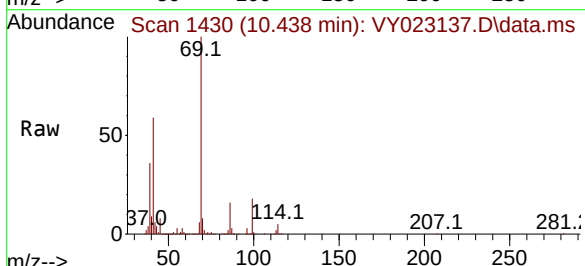
Tgt Ion: 97 Resp: 21306
Ion Ratio Lower Upper
97 100
83 88.4 67.7 101.5
85 57.1 44.5 66.7
99 64.4 50.2 75.2

Manual Integrations
APPROVED

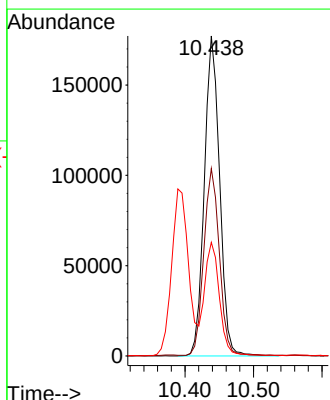
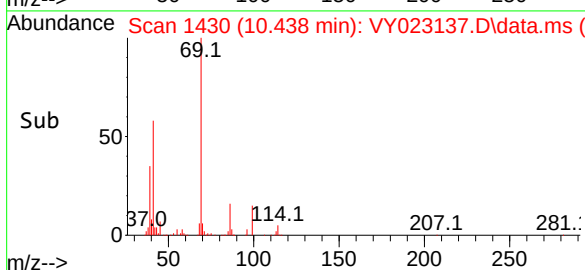
Reviewed By :John Carlone 08/20/2025
Supervised By :Mahesh Dadoda 08/20/2025

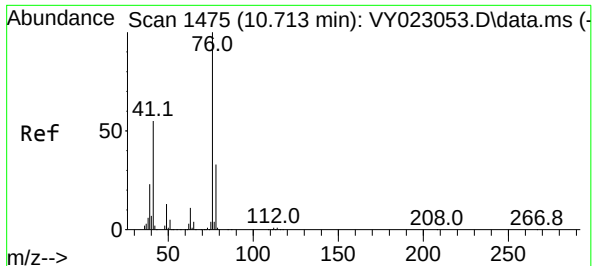


#56
Ethyl methacrylate
Concen: 50.859 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11



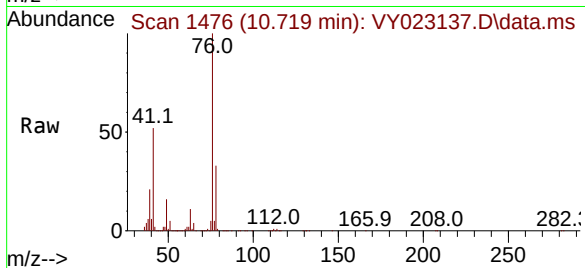
Tgt Ion: 69 Resp: 276182
Ion Ratio Lower Upper
69 100
41 59.0 48.6 72.8
39 33.7 27.0 40.4





#57
1,3-Dichloropropane
Concen: 49.273 ug/l
RT: 10.719 min Scan# 1475
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

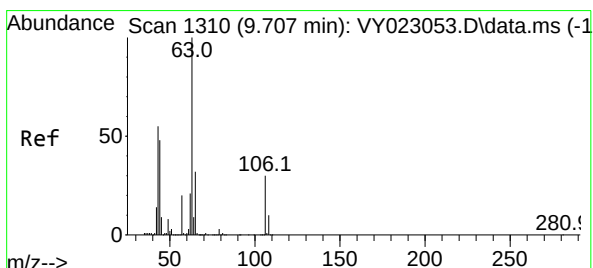
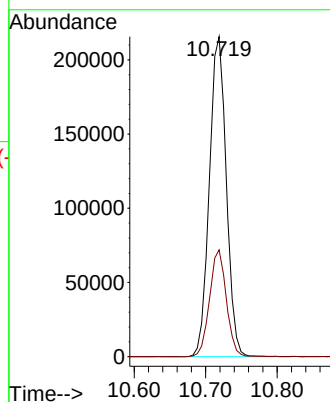
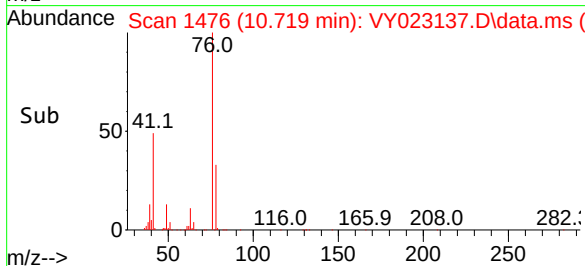
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



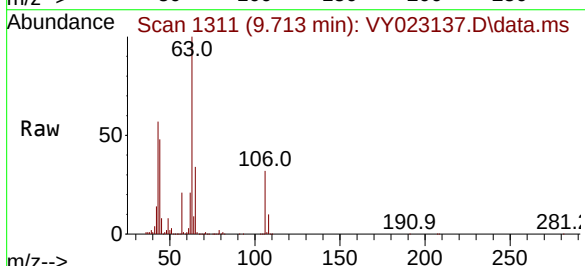
Tgt Ion: 76 Resp: 354628
Ion Ratio Lower Upper
76 100
78 33.0 26.0 39.0

Manual Integrations
APPROVED

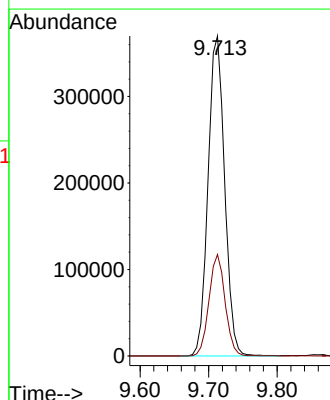
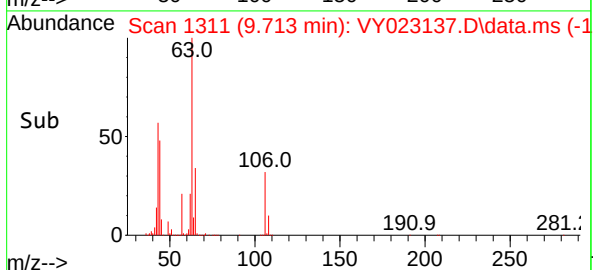
Reviewed By :John Carlone 08/20/2025
Supervised By :Mahesh Dadoda 08/20/2025

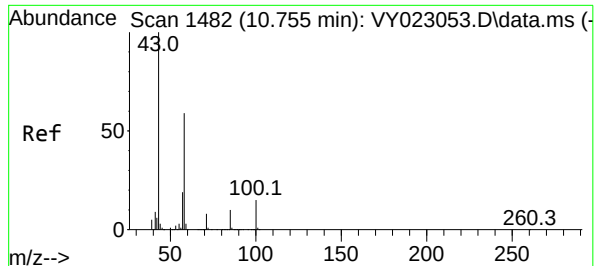


#58
2-Chloroethyl Vinyl ether
Concen: 242.835 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11



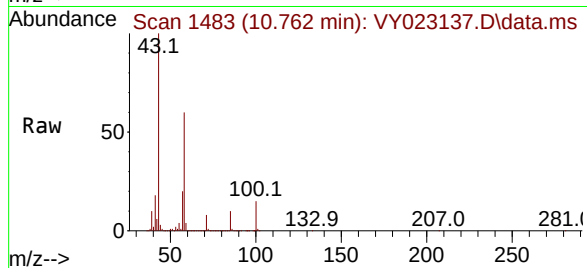
Tgt Ion: 63 Resp: 622022
Ion Ratio Lower Upper
63 100
106 30.8 23.2 34.8





#59
2-Hexanone
Concen: 254.865 ug/l
RT: 10.762 min Scan# 1483
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

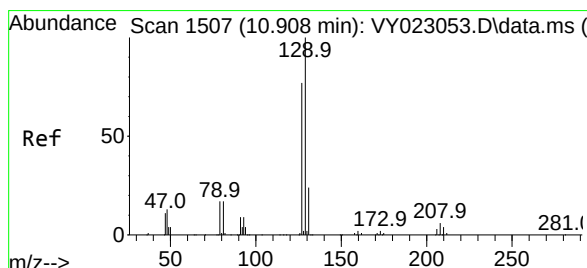
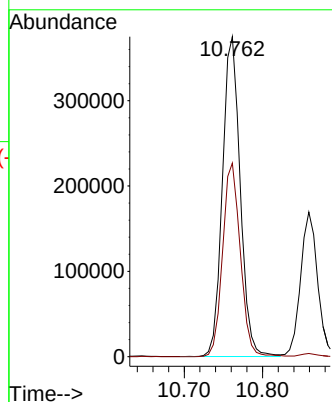
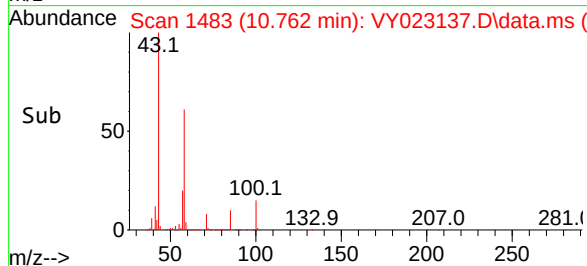
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



Tgt Ion: 43 Resp: 59220
Ion Ratio Lower Upper
43 100
58 60.2 29.5 88.5

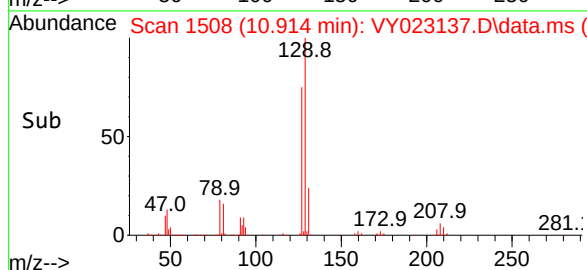
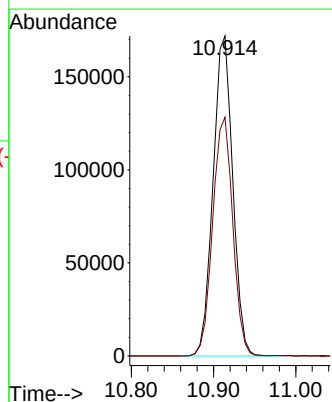
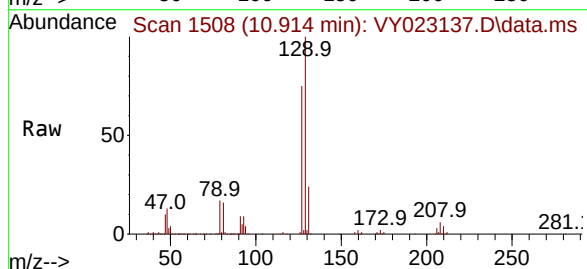
Manual Integrations
APPROVED

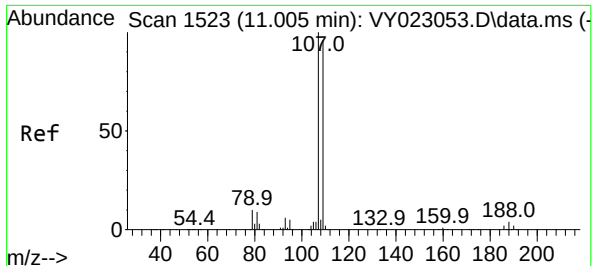
Reviewed By :John Carlone 08/20/2025
Supervised By :Mahesh Dadoda 08/20/2025



#60
Dibromochloromethane
Concen: 50.963 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

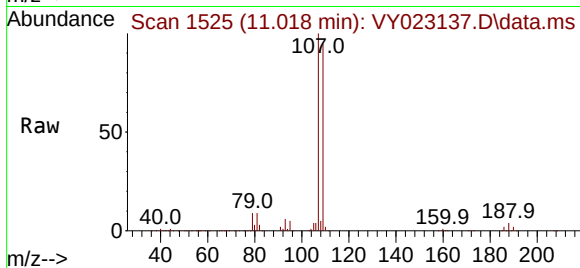
Tgt Ion:129 Resp: 285374
Ion Ratio Lower Upper
129 100
127 76.2 38.5 115.5





#61
1,2-Dibromoethane
Concen: 50.411 ug/l
RT: 11.018 min Scan# 1107
Delta R.T. 0.012 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

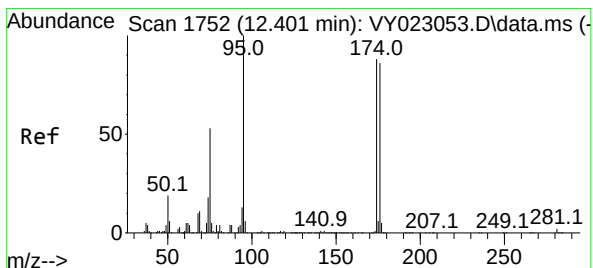
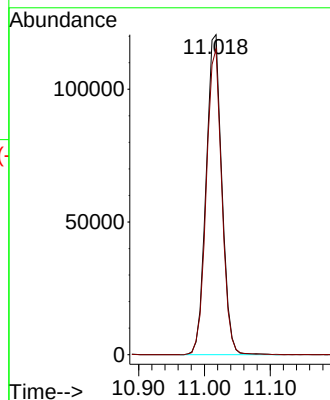
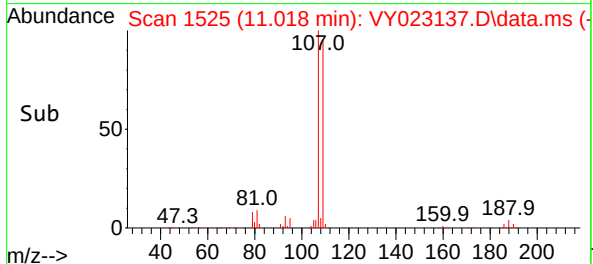
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



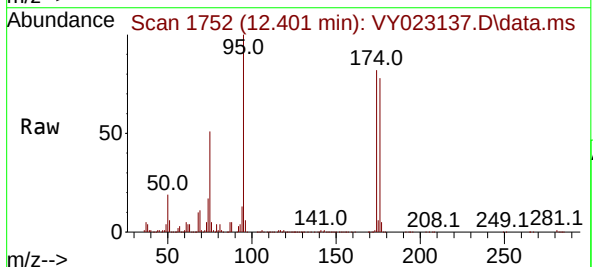
Tgt Ion: 107 Resp: 20107
Ion Ratio Lower Upper
107 100
109 94.2 75.6 113.4

Manual Integrations
APPROVED

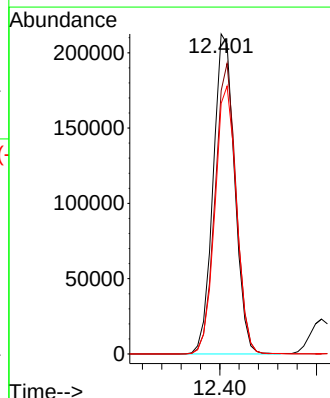
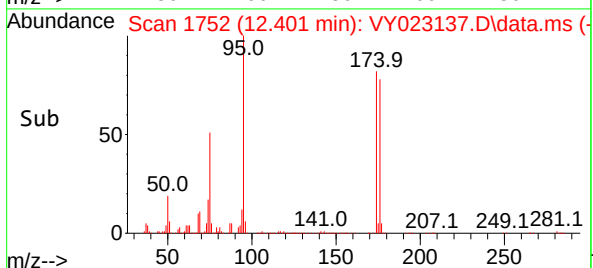
Reviewed By :John Carlone 08/20/2025
Supervised By :Mahesh Dadoda 08/20/2025

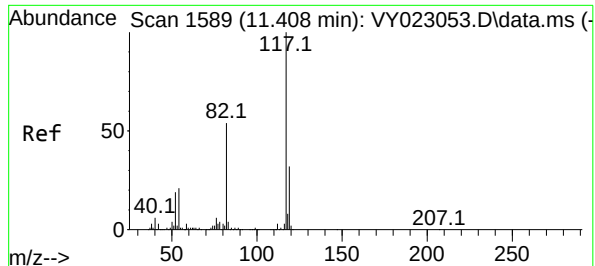


#62
4-Bromofluorobenzene
Concen: 49.618 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11



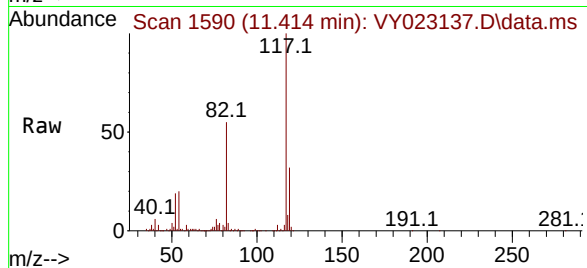
Tgt Ion: 95 Resp: 326827
Ion Ratio Lower Upper
95 100
174 89.2 0.0 171.6
176 84.4 0.0 167.6





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

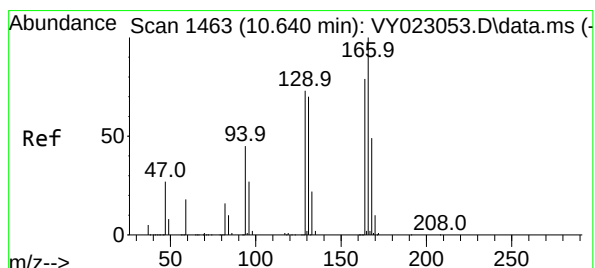
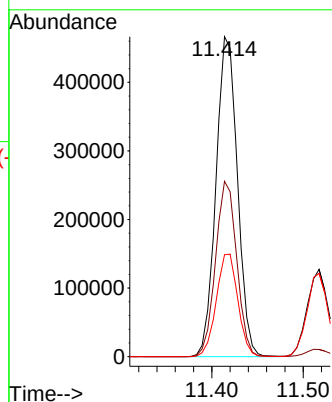
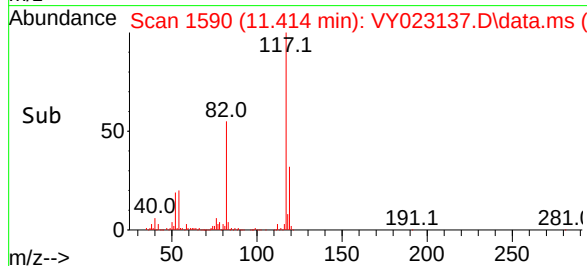
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



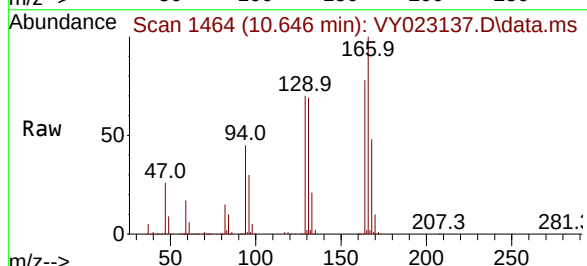
Tgt Ion:117 Resp: 761785
Ion Ratio Lower Upper
117 100
82 54.8 43.4 65.0
119 31.8 25.6 38.4

Manual Integrations
APPROVED

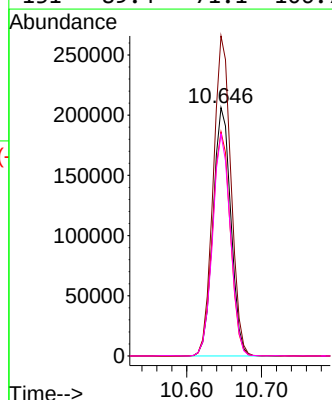
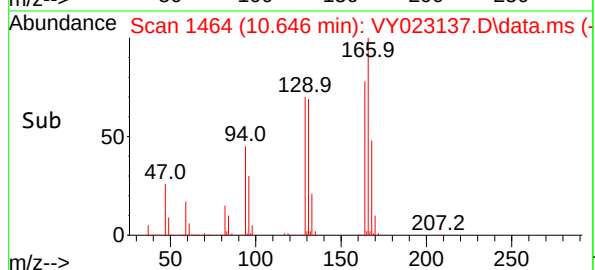
Reviewed By :John Carlone 08/20/2025
Supervised By :Mahesh Dadoda 08/20/2025

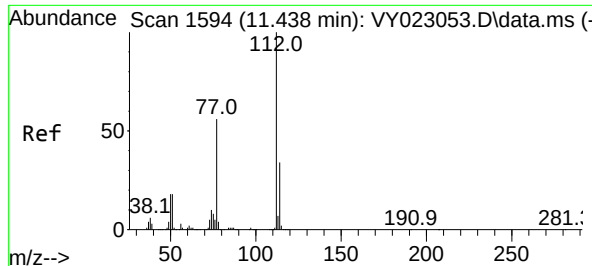


#64
Tetrachloroethene
Concen: 50.340 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11



Tgt Ion:164 Resp: 342427
Ion Ratio Lower Upper
164 100
166 128.9 101.1 151.7
129 90.3 74.0 111.0
131 89.4 71.1 106.7





#65

Chlorobenzene

Concen: 52.238 ug/l

RT: 11.444 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023137.D

Acq: 19 Aug 2025 09:11

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion:112 Resp: 85836

Ion Ratio Lower Upper

112 100

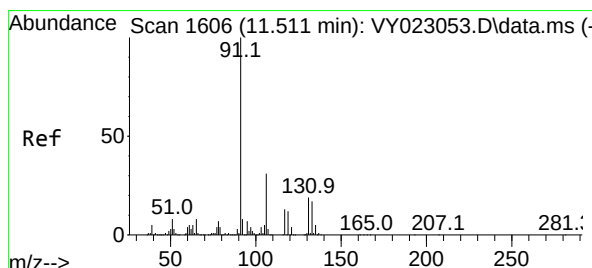
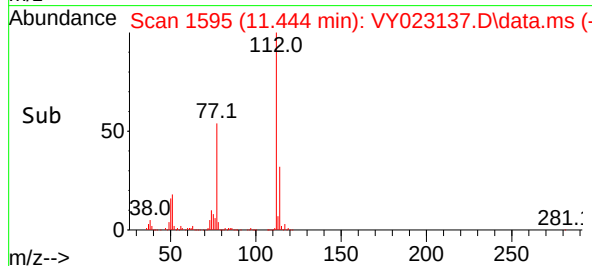
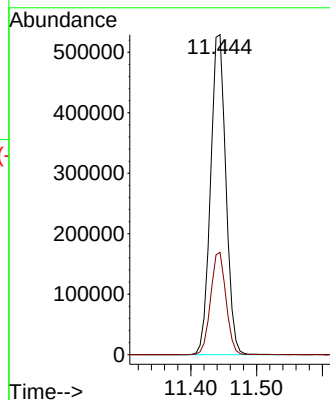
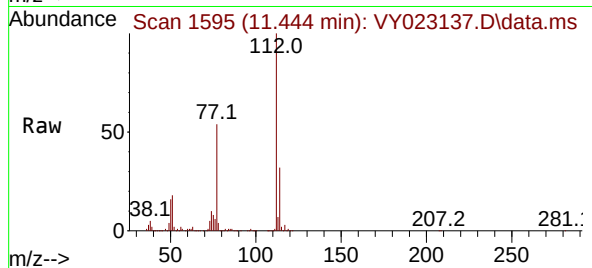
114 32.0 27.0 40.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/20/2025

Supervised By :Mahesh Dadoda 08/20/2025



#66

1,1,1,2-Tetrachloroethane

Concen: 52.900 ug/l

RT: 11.517 min Scan# 1607

Delta R.T. 0.006 min

Lab File: VY023137.D

Acq: 19 Aug 2025 09:11

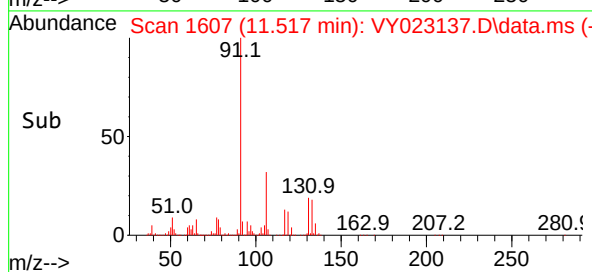
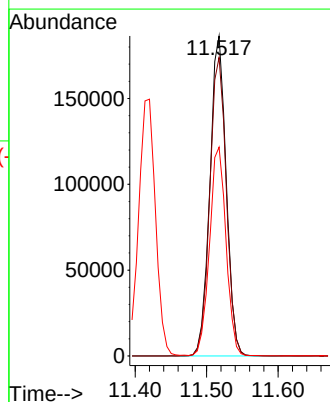
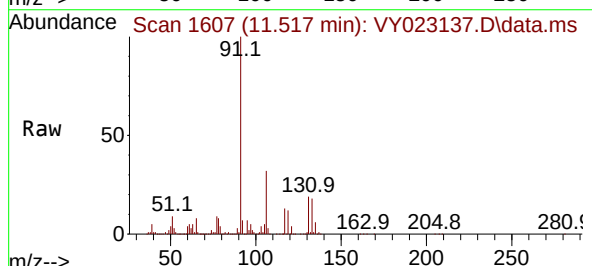
Tgt Ion:131 Resp: 295011

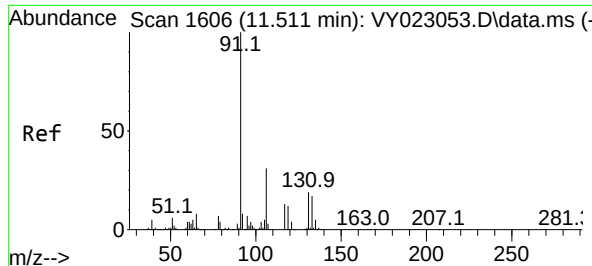
Ion Ratio Lower Upper

131 100

133 94.9 46.9 140.6

119 66.2 33.2 99.6





#67

Ethyl Benzene

Concen: 52.850 ug/l

RT: 11.517 min Scan# 1607

Delta R.T. 0.006 min

Lab File: VY023137.D

Acq: 19 Aug 2025 09:11

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 149446

Ion Ratio Lower Upper

91 100

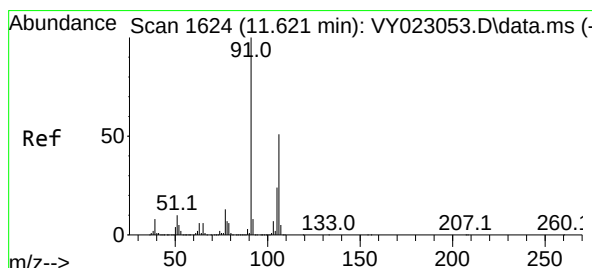
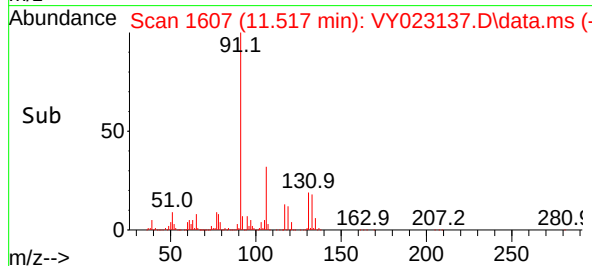
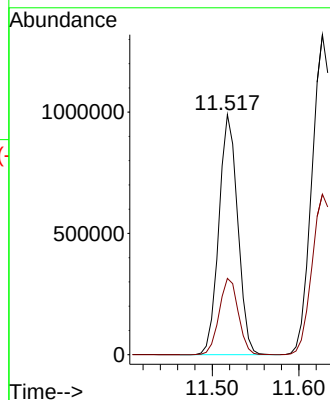
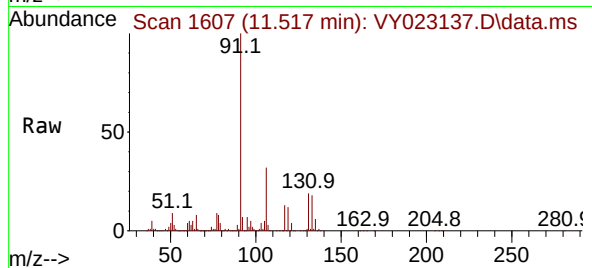
106 31.8 25.0 37.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/20/2025

Supervised By :Mahesh Dadoda 08/20/2025



#68

m/p-Xylenes

Concen: 107.397 ug/l

RT: 11.627 min Scan# 1625

Delta R.T. 0.006 min

Lab File: VY023137.D

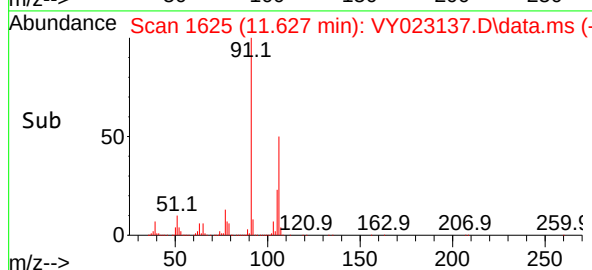
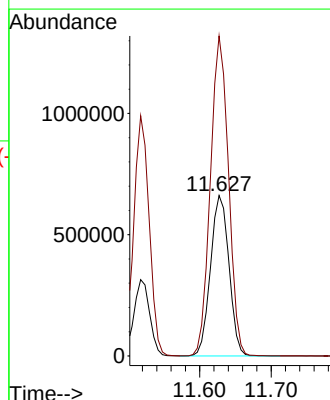
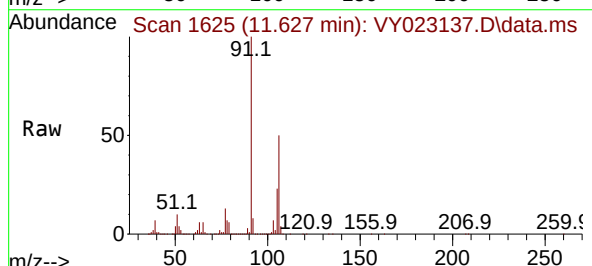
Acq: 19 Aug 2025 09:11

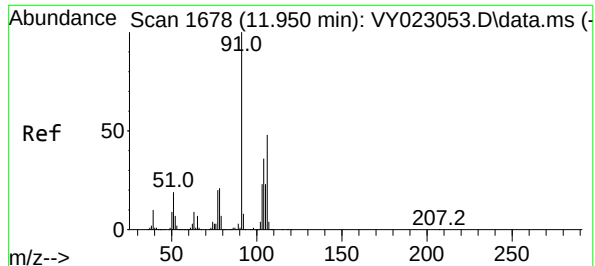
Tgt Ion:106 Resp: 1186104

Ion Ratio Lower Upper

106 100

91 195.6 158.6 238.0





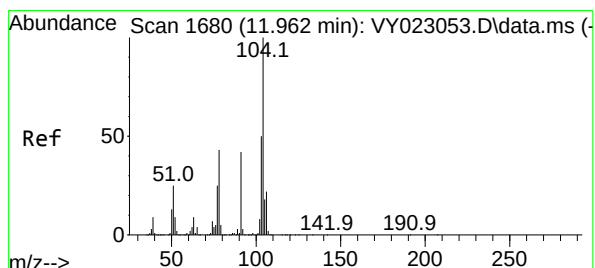
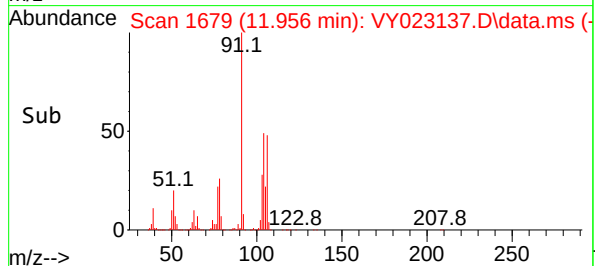
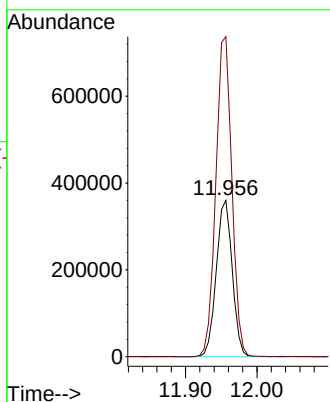
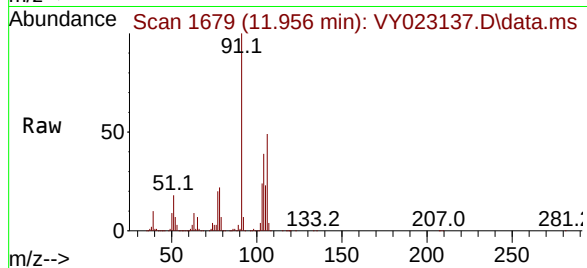
#69
o-Xylene
Concen: 53.940 ug/l
RT: 11.956 min Scan# 1679
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 55795
Ion Ratio Lower Upper
106 100
91 205.8 103.2 309.4

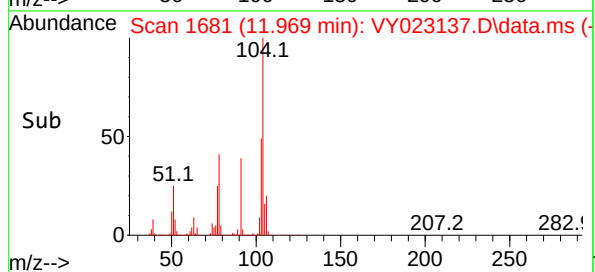
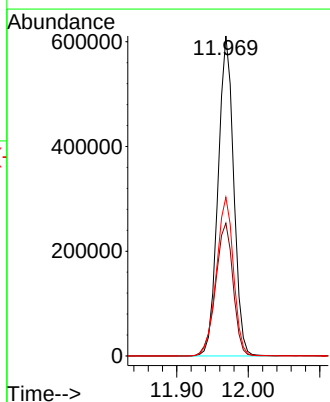
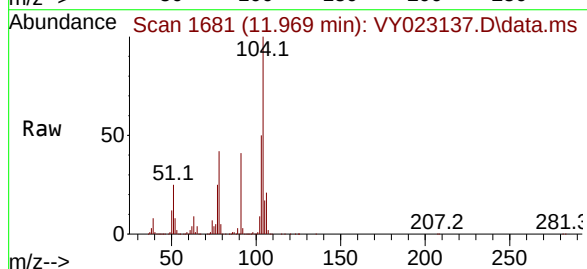
Manual Integrations
APPROVED

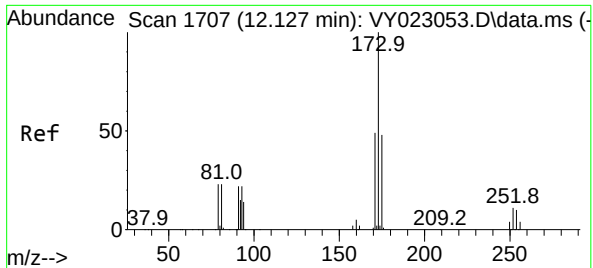
Reviewed By :John Carlone 08/20/2025
Supervised By :Mahesh Dadoda 08/20/2025



#70
Styrene
Concen: 55.007 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

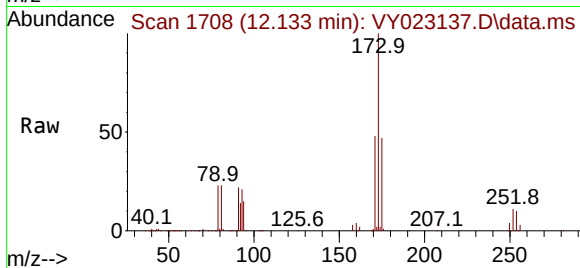
Tgt Ion:104 Resp: 930498
Ion Ratio Lower Upper
104 100
78 46.3 38.5 57.7
103 54.0 43.7 65.5





#71
Bromoform
Concen: 51.022 ug/l
RT: 12.133 min Scan# 1707
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

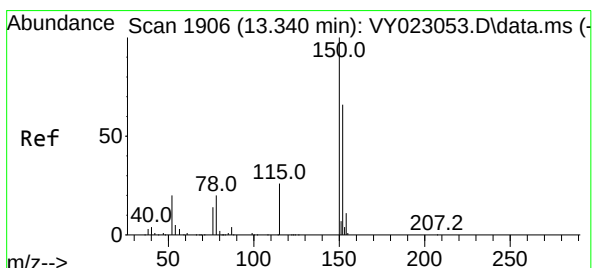
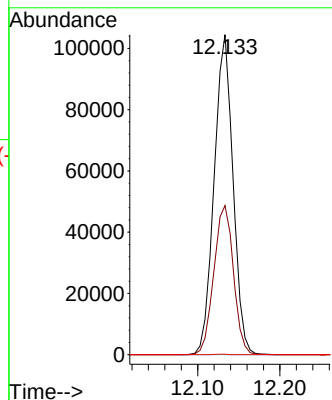
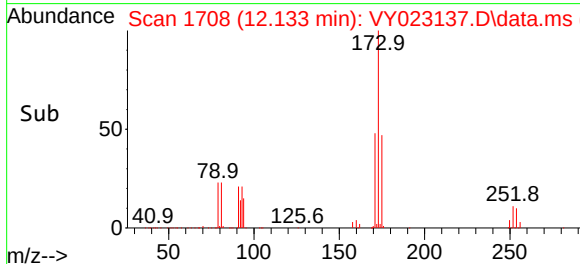
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



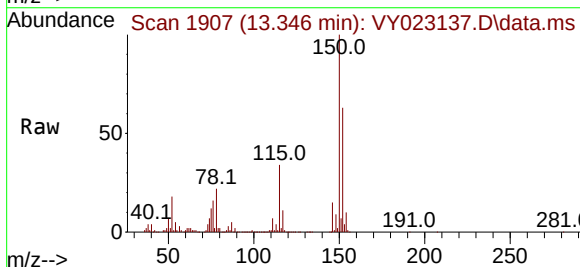
Tgt Ion:173 Resp: 166298
Ion Ratio Lower Upper
173 100
175 48.5 23.9 71.7
254 0.1 0.1 0.1

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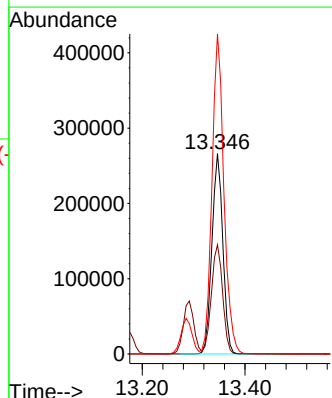
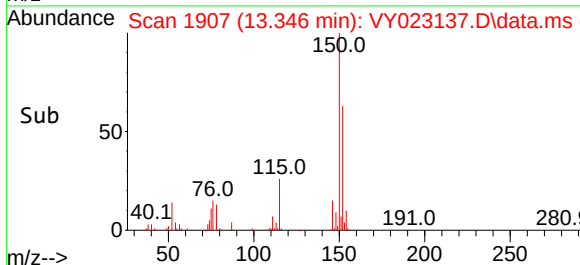
Reviewed By :John Carlone 08/20/2025
Supervised By :Mahesh Dadoda 08/20/2025

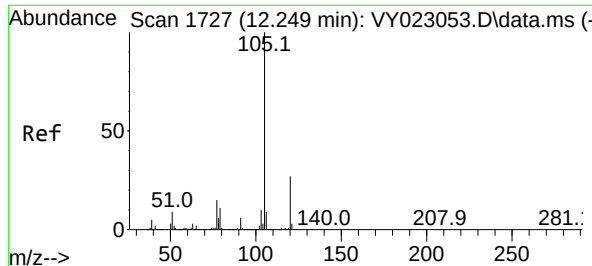


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11



Tgt Ion:152 Resp: 392533
Ion Ratio Lower Upper
152 100
115 55.8 28.2 84.6
150 173.7 0.0 348.0





#73

Isopropylbenzene

Concen: 52.528 ug/l

RT: 12.255 min Scan# 1727

Delta R.T. 0.006 min

Lab File: VY023137.D

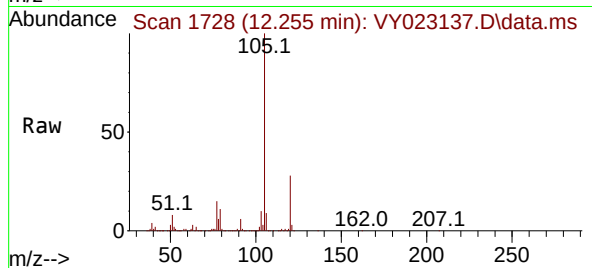
Acq: 19 Aug 2025 09:11

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050



Tgt Ion:105 Resp: 145526

Ion Ratio Lower Upper

105 100

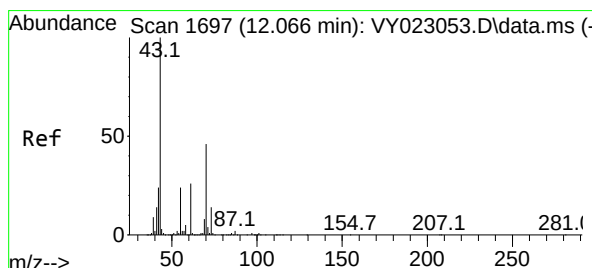
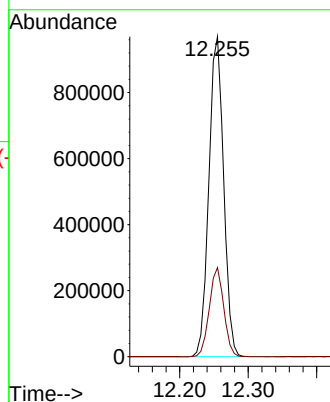
120 27.2 13.4 40.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/20/2025

Supervised By :Mahesh Dadoda 08/20/2025



#74

N-ethyl acetate

Concen: 48.584 ug/l

RT: 12.072 min Scan# 1698

Delta R.T. 0.006 min

Lab File: VY023137.D

Acq: 19 Aug 2025 09:11

Tgt Ion: 43 Resp: 285441

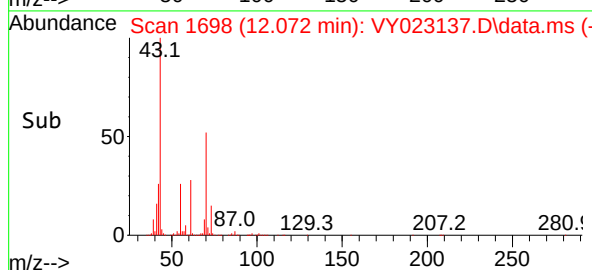
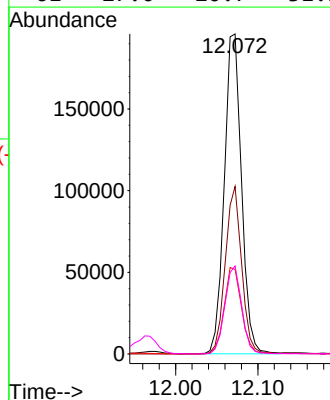
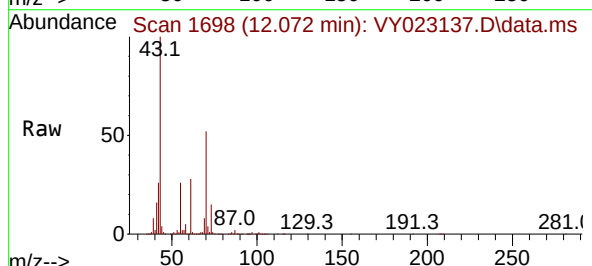
Ion Ratio Lower Upper

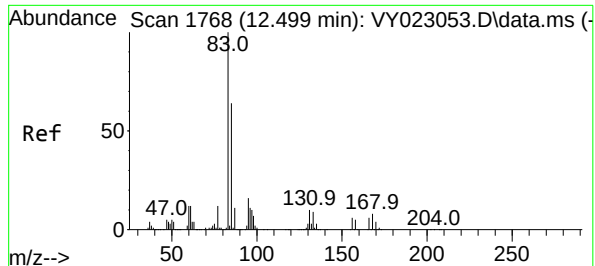
43 100

70 49.8 37.5 56.3

55 27.3 20.7 31.1

61 27.0 20.7 31.1





#75

1,1,2,2-Tetrachloroethane

Concen: 48.639 ug/l

RT: 12.505 min Scan# 1769

Delta R.T. 0.006 min

Lab File: VY023137.D

Acq: 19 Aug 2025 09:11

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 83 Resp: 230085

Ion Ratio Lower Upper

83 100

131 10.6 5.1 15.3

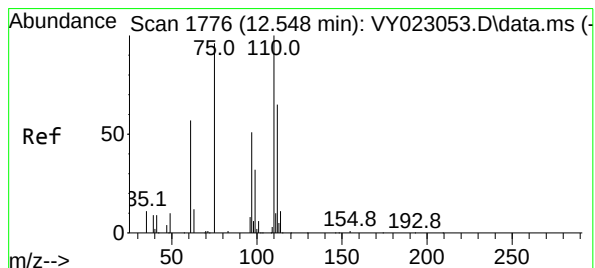
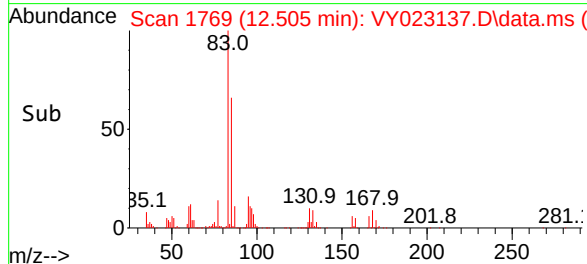
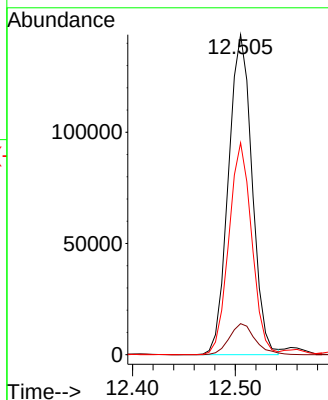
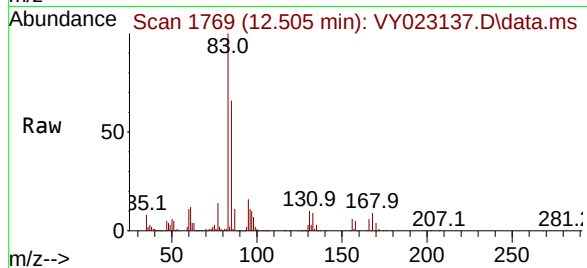
85 64.3 31.8 95.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/20/2025

Supervised By :Mahesh Dadoda 08/20/2025



#76

1,2,3-Trichloropropane

Concen: 43.632 ug/l m

RT: 12.554 min Scan# 1777

Delta R.T. 0.006 min

Lab File: VY023137.D

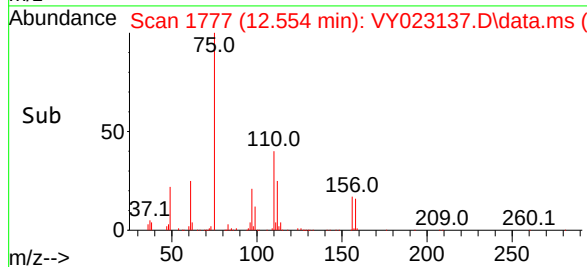
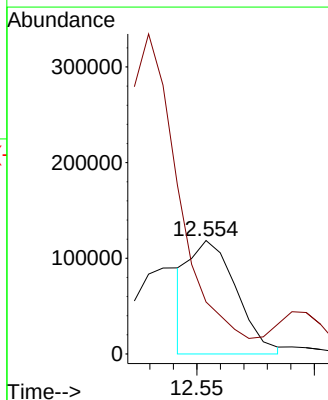
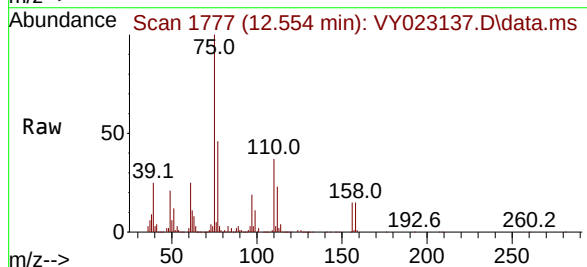
Acq: 19 Aug 2025 09:11

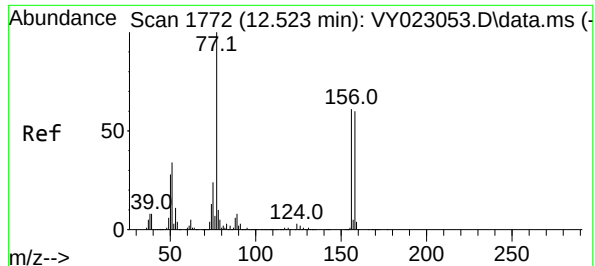
Tgt Ion: 75 Resp: 165292

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 50.968 ug/l

RT: 12.529 min Scan# 1773

Delta R.T. 0.006 min

Lab File: VY023137.D

Acq: 19 Aug 2025 09:11

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion:156 Resp: 336874

Ion Ratio Lower Upper

156 100

77 170.5 88.1 264.4

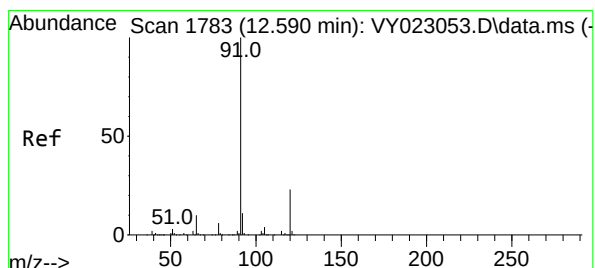
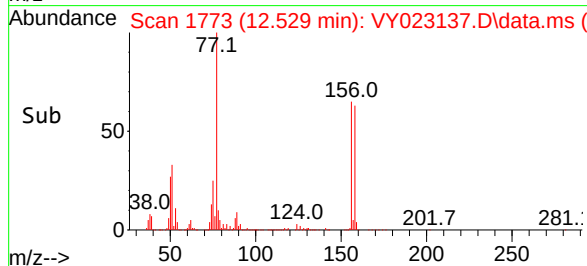
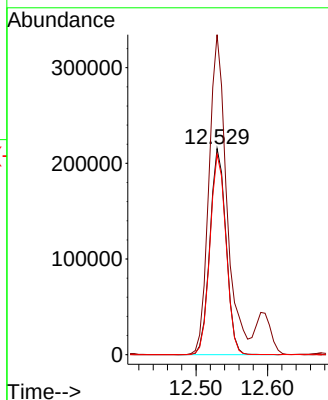
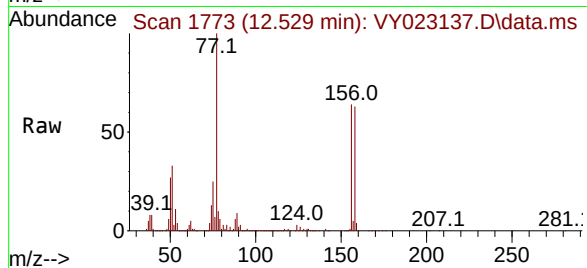
158 97.2 48.0 144.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/20/2025

Supervised By :Mahesh Dadoda 08/20/2025



#78

n-propylbenzene

Concen: 52.806 ug/l

RT: 12.597 min Scan# 1784

Delta R.T. 0.006 min

Lab File: VY023137.D

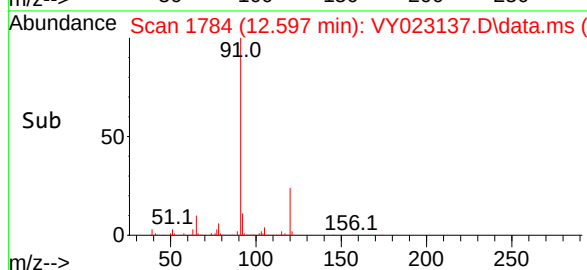
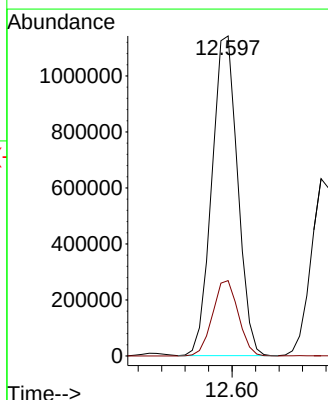
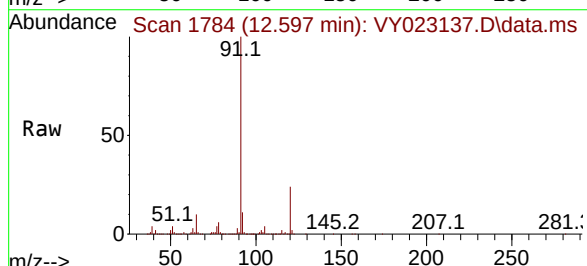
Acq: 19 Aug 2025 09:11

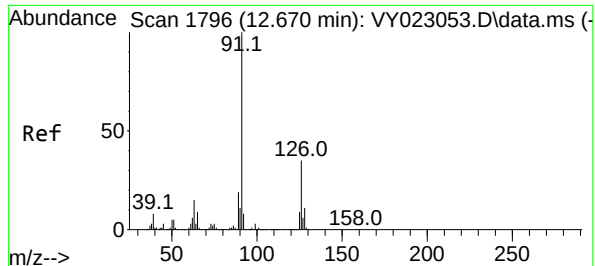
Tgt Ion: 91 Resp: 1741756

Ion Ratio Lower Upper

91 100

120 23.5 11.5 34.5





#79

2-Chlorotoluene

Concen: 51.594 ug/l

RT: 12.676 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023137.D

Acq: 19 Aug 2025 09:11

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 97505

Ion Ratio Lower Upper

91 100

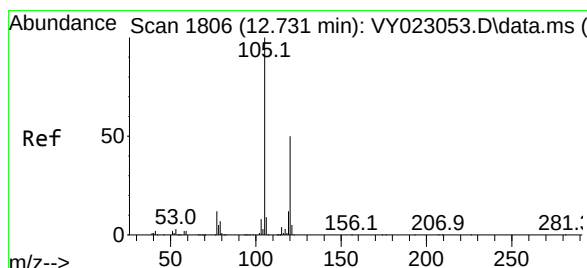
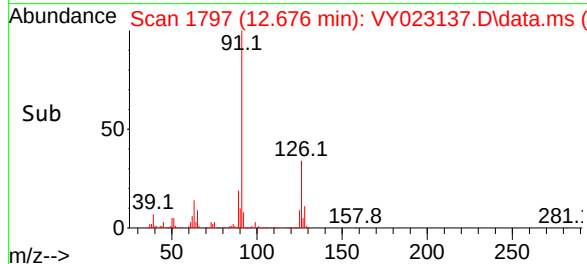
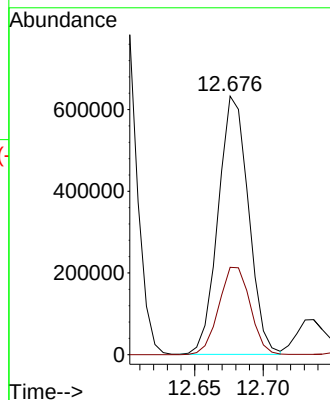
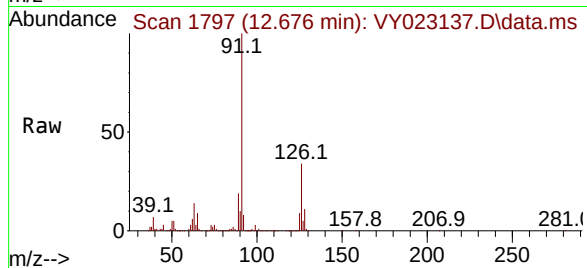
126 35.0 17.4 52.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/20/2025

Supervised By :Mahesh Dadoda 08/20/2025



#80

1,3,5-Trimethylbenzene

Concen: 53.229 ug/l

RT: 12.737 min Scan# 1807

Delta R.T. 0.006 min

Lab File: VY023137.D

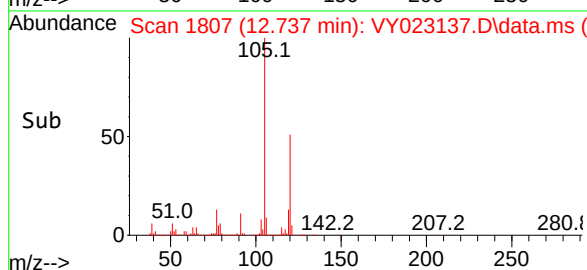
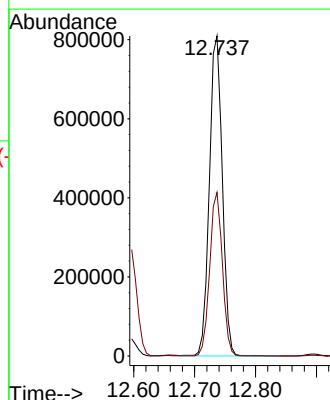
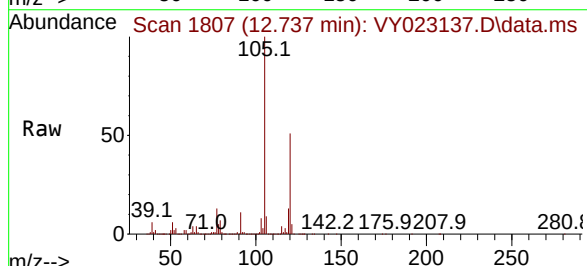
Acq: 19 Aug 2025 09:11

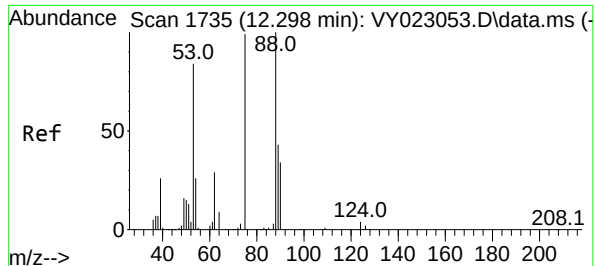
Tgt Ion:105 Resp: 1191826

Ion Ratio Lower Upper

105 100

120 50.1 24.8 74.4





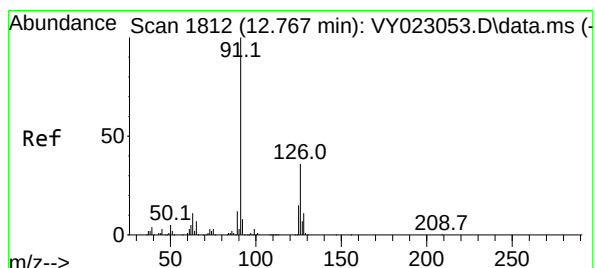
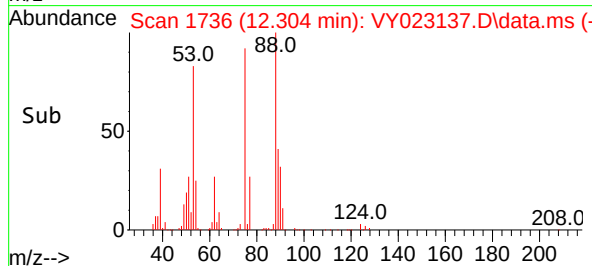
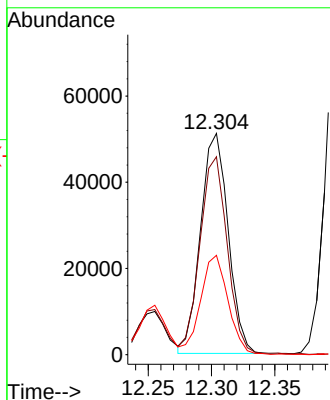
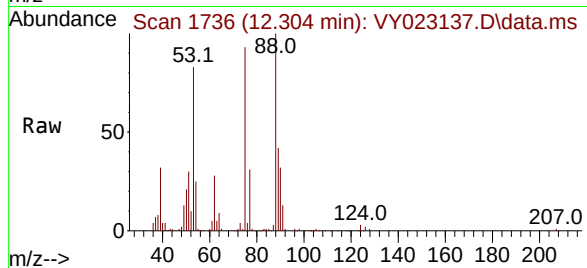
#81
trans-1,4-Dichloro-2-butene
Concen: 49.570 ug/l
RT: 12.304 min Scan# 1736
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 7757
Ion Ratio Lower Upper
75 100
53 89.8 70.8 106.2
89 45.4 38.1 57.1

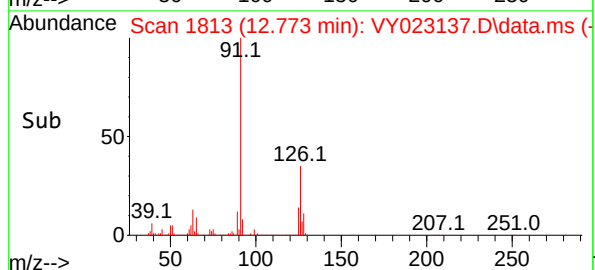
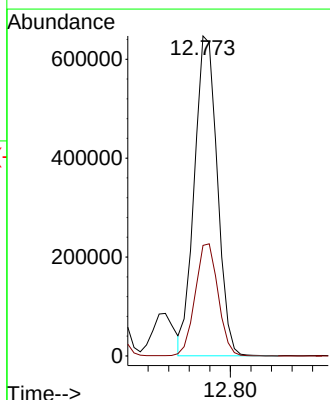
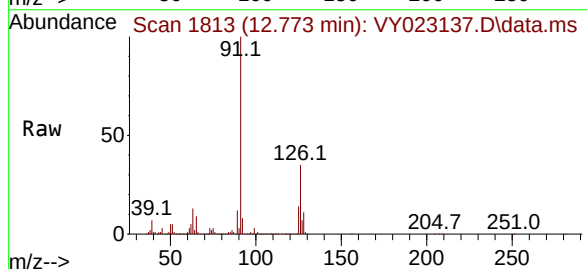
Manual Integrations
APPROVED

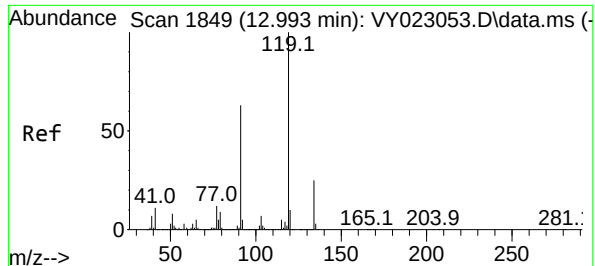
Reviewed By :John Carlone 08/20/2025
Supervised By :Mahesh Dadoda 08/20/2025



#82
4-Chlorotoluene
Concen: 51.036 ug/l
RT: 12.773 min Scan# 1813
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

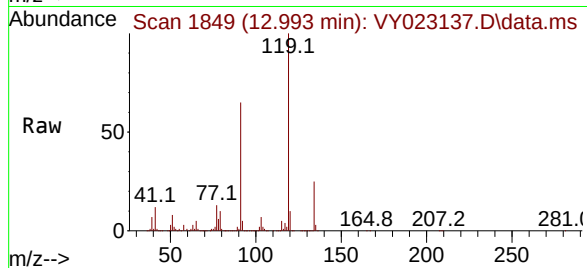
Tgt Ion: 91 Resp: 1000547
Ion Ratio Lower Upper
91 100
126 35.2 17.3 52.0





#83
tert-Butylbenzene
Concen: 53.956 ug/l
RT: 12.993 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

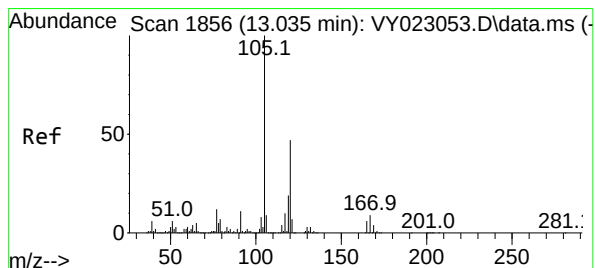
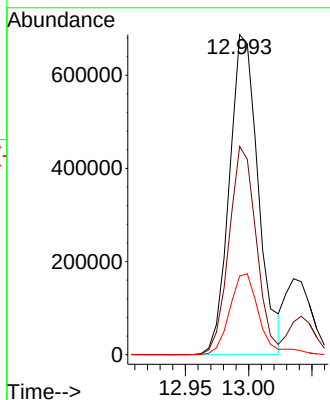
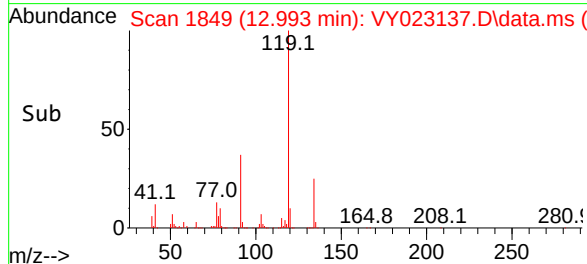
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



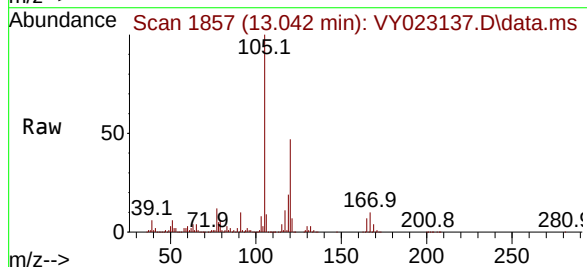
Tgt Ion:119 Resp: 109112
Ion Ratio Lower Upper
119 100
91 61.6 31.6 94.8
134 25.9 12.9 38.7

Manual Integrations
APPROVED

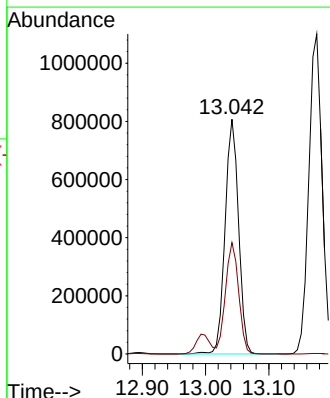
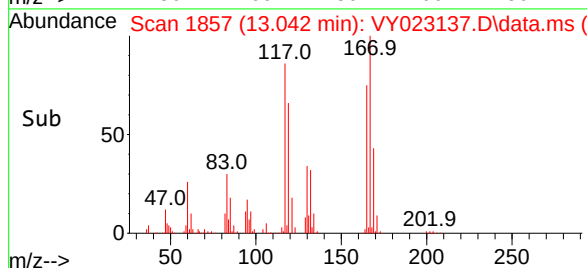
Reviewed By :John Carlone 08/20/2025
Supervised By :Mahesh Dadoda 08/20/2025

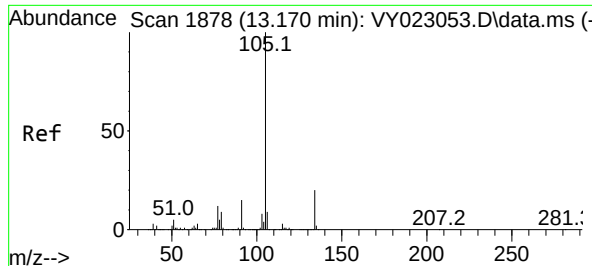


#84
1,2,4-Trimethylbenzene
Concen: 53.459 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11



Tgt Ion:105 Resp: 1191535
Ion Ratio Lower Upper
105 100
120 46.2 23.0 69.0





#85

sec-Butylbenzene

Concen: 53.673 ug/l

RT: 13.176 min Scan# 1878

Delta R.T. 0.006 min

Lab File: VY023137.D

Acq: 19 Aug 2025 09:11

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion:105 Resp: 159442

Ion Ratio Lower Upper

105 100

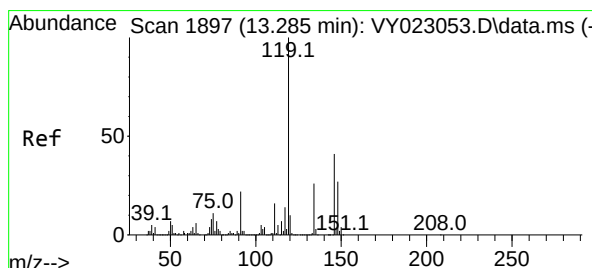
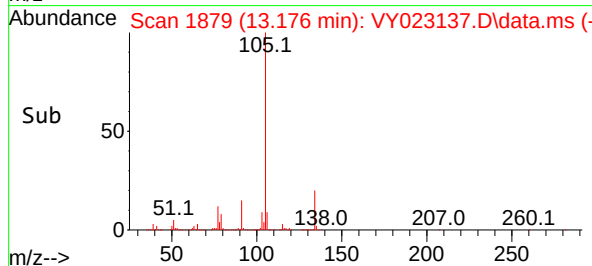
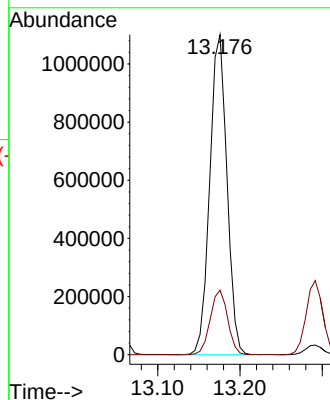
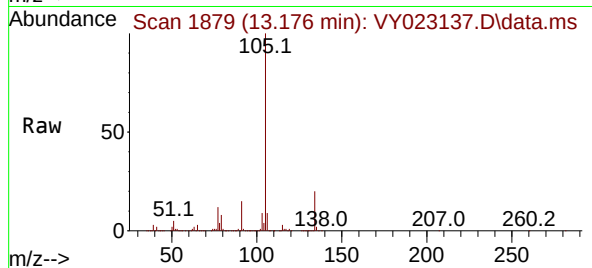
134 20.4 10.2 30.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/20/2025

Supervised By :Mahesh Dadoda 08/20/2025



#86

p-Isopropyltoluene

Concen: 55.063 ug/l

RT: 13.292 min Scan# 1898

Delta R.T. 0.006 min

Lab File: VY023137.D

Acq: 19 Aug 2025 09:11

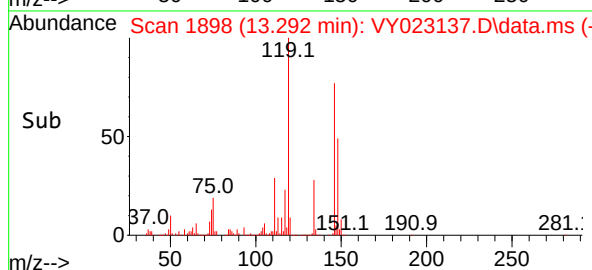
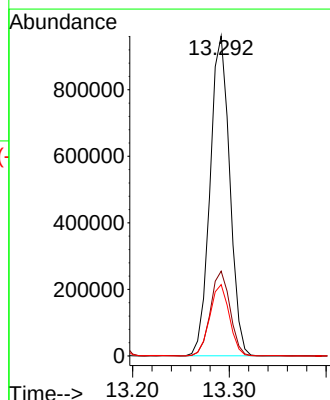
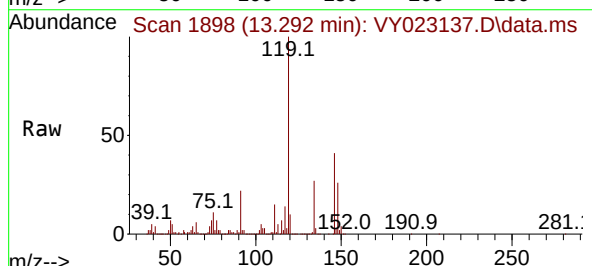
Tgt Ion:119 Resp: 1357746

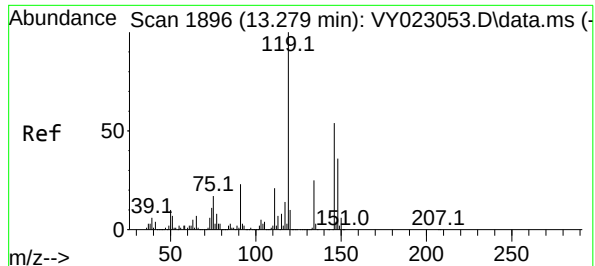
Ion Ratio Lower Upper

119 100

134 26.4 13.2 39.6

91 22.2 11.3 33.8





#87

1,3-Dichlorobenzene

Concen: 52.231 ug/l

RT: 13.285 min Scan# 1896

Delta R.T. 0.006 min

Lab File: VY023137.D

Acq: 19 Aug 2025 09:11

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion:146 Resp: 68078

Ion Ratio Lower Upper

146 100

111 38.9 19.6 58.7

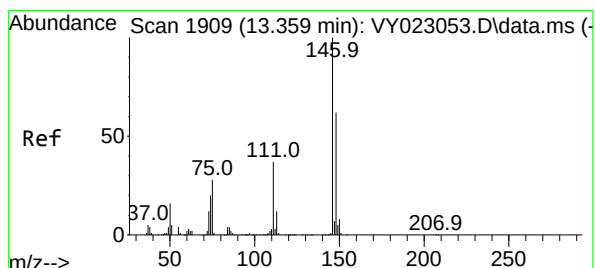
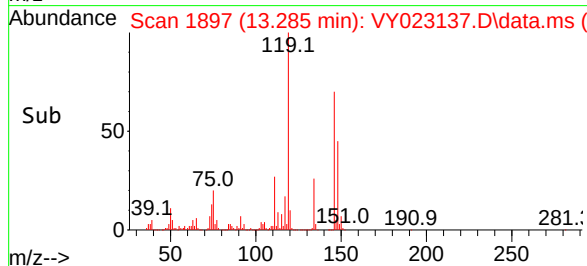
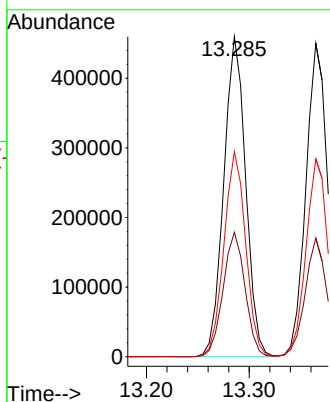
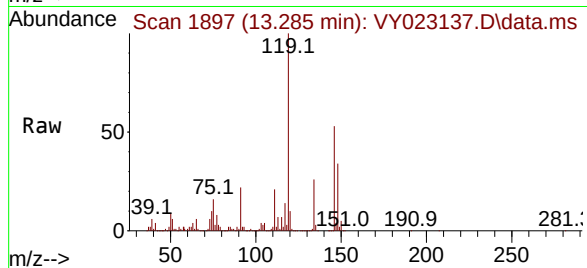
148 63.7 32.5 97.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/20/2025

Supervised By :Mahesh Dadoda 08/20/2025



#88

1,4-Dichlorobenzene

Concen: 51.281 ug/l

RT: 13.365 min Scan# 1910

Delta R.T. 0.006 min

Lab File: VY023137.D

Acq: 19 Aug 2025 09:11

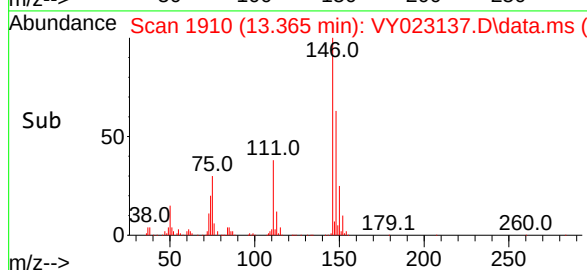
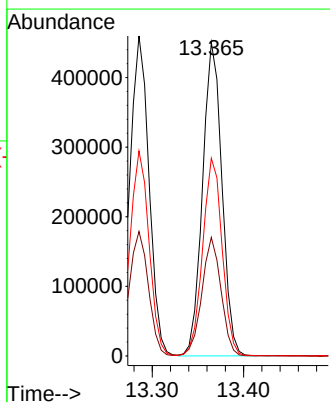
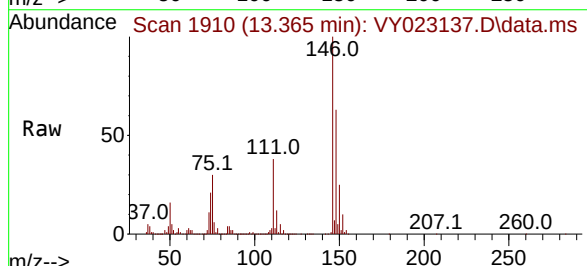
Tgt Ion:146 Resp: 663039

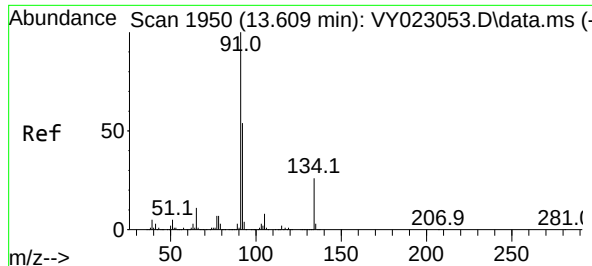
Ion Ratio Lower Upper

146 100

111 37.4 19.1 57.1

148 63.4 31.6 94.7





#89

n-Butylbenzene

Concen: 54.384 ug/l

RT: 13.615 min Scan# 1950

Delta R.T. 0.006 min

Lab File: VY023137.D

Acq: 19 Aug 2025 09:11

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 123164

Ion Ratio Lower Upper

91 100

92 53.0 26.9 80.7

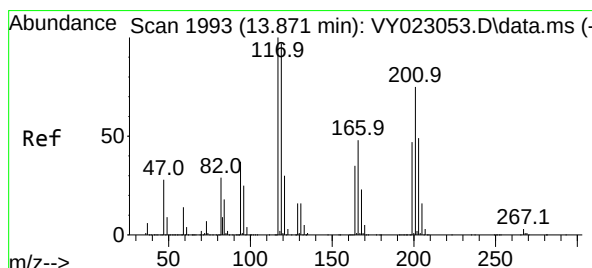
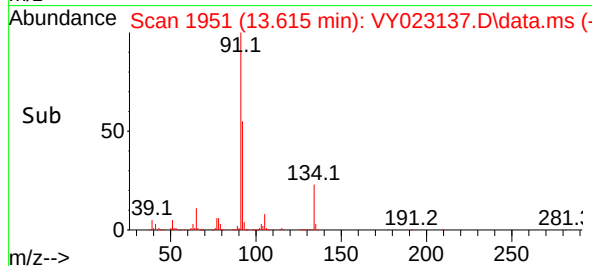
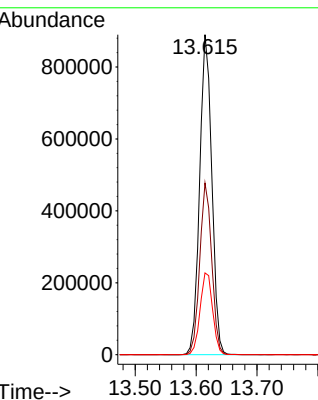
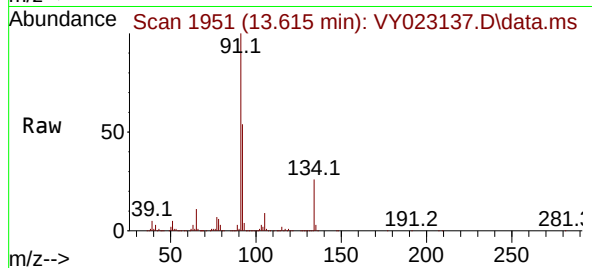
134 26.4 13.2 39.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/20/2025

Supervised By :Mahesh Dadoda 08/20/2025



#90

Hexachloroethane

Concen: 52.354 ug/l

RT: 13.877 min Scan# 1994

Delta R.T. 0.006 min

Lab File: VY023137.D

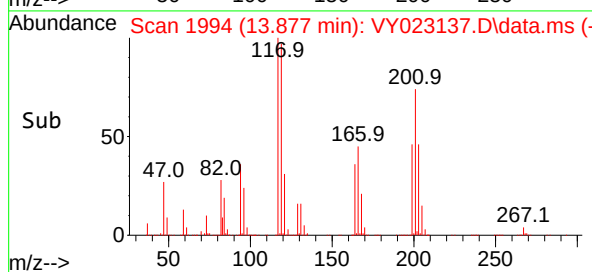
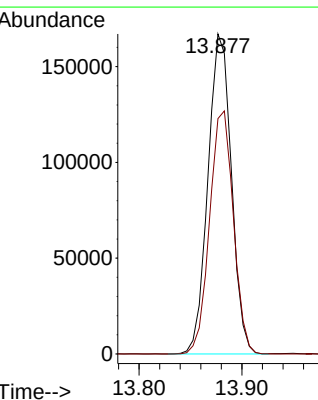
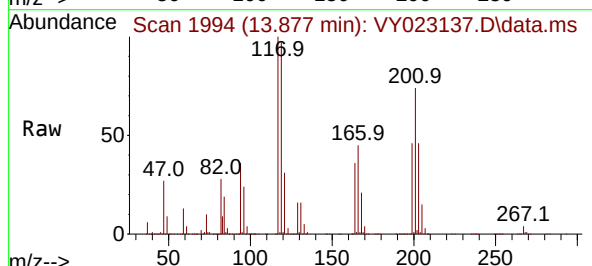
Acq: 19 Aug 2025 09:11

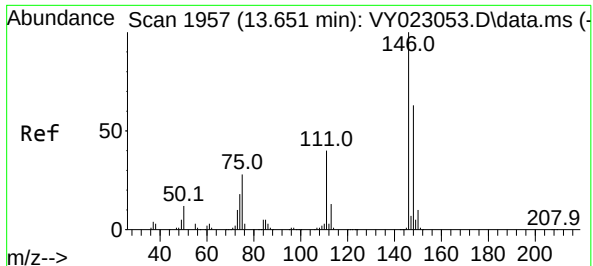
Tgt Ion:117 Resp: 264268

Ion Ratio Lower Upper

117 100

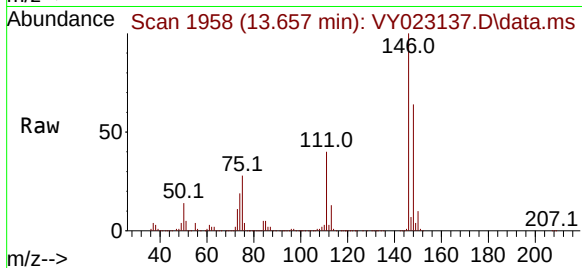
201 77.1 38.4 115.1





#91
1,2-Dichlorobenzene
Concen: 51.489 ug/l
RT: 13.657 min Scan# 1957
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

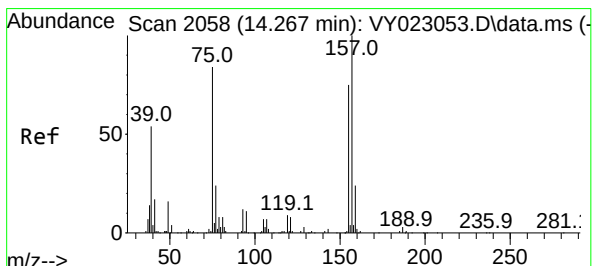
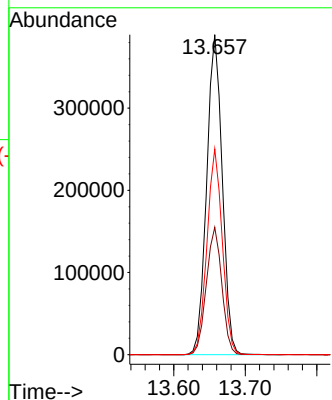
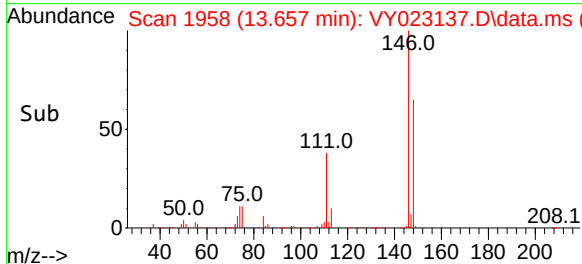
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



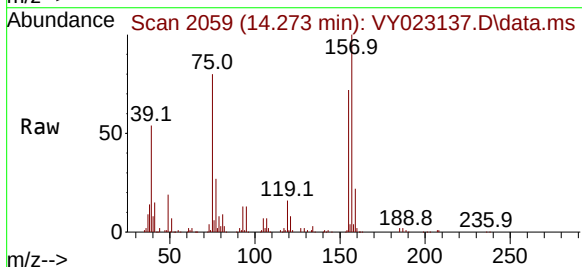
Tgt Ion:146 Resp: 588570
Ion Ratio Lower Upper
146 100
111 39.7 20.3 60.8
148 63.3 32.2 96.6

Manual Integrations
APPROVED

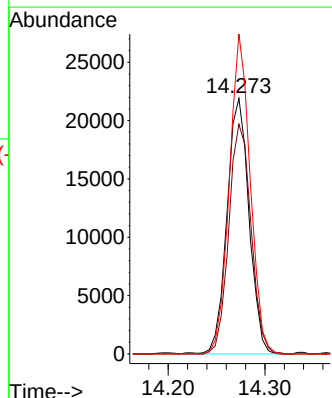
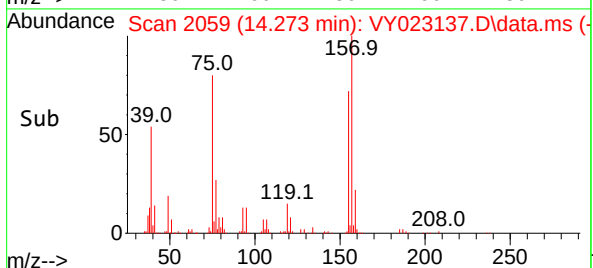
Reviewed By :John Carlone 08/20/2025
Supervised By :Mahesh Dadoda 08/20/2025

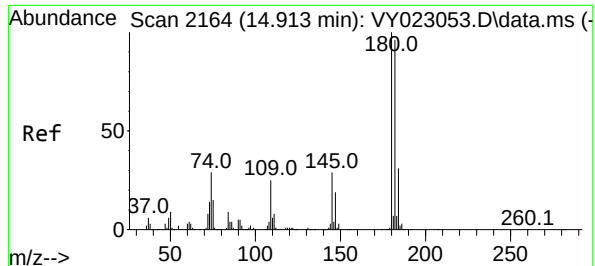


#92
1,2-Dibromo-3-Chloropropane
Concen: 47.081 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11



Tgt Ion: 75 Resp: 34676
Ion Ratio Lower Upper
75 100
155 90.7 43.9 131.6
157 118.4 57.2 171.6





#93

1,2,4-Trichlorobenzene

Concen: 51.158 ug/l

RT: 14.919 min Scan# 2165

Delta R.T. 0.006 min

Lab File: VY023137.D

Acq: 19 Aug 2025 09:11

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion:180 Resp: 345818

Ion Ratio Lower Upper

180 100

182 94.4 46.8 140.4

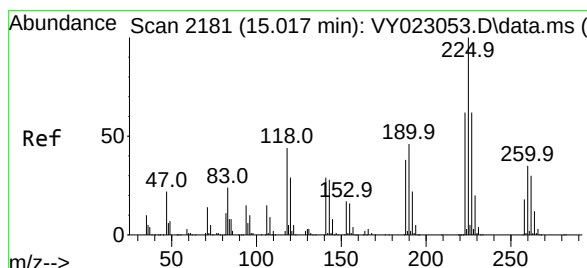
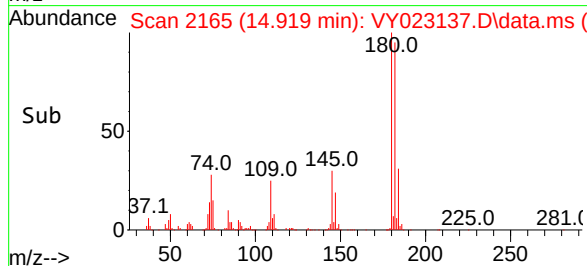
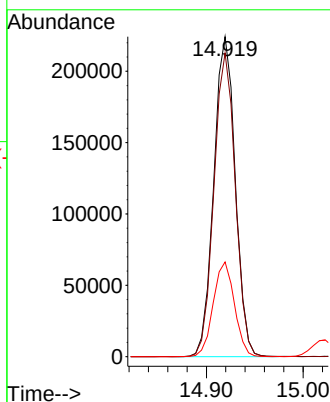
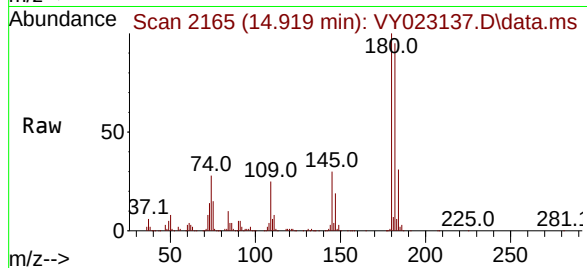
145 29.3 14.4 43.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/20/2025

Supervised By :Mahesh Dadoda 08/20/2025



#94

Hexachlorobutadiene

Concen: 50.885 ug/l

RT: 15.023 min Scan# 2182

Delta R.T. 0.006 min

Lab File: VY023137.D

Acq: 19 Aug 2025 09:11

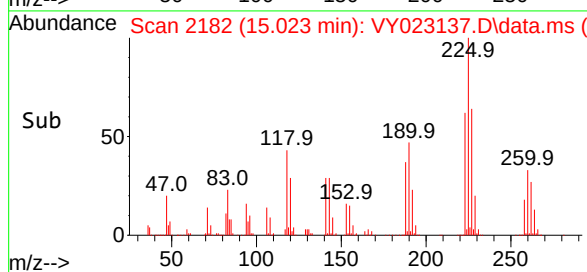
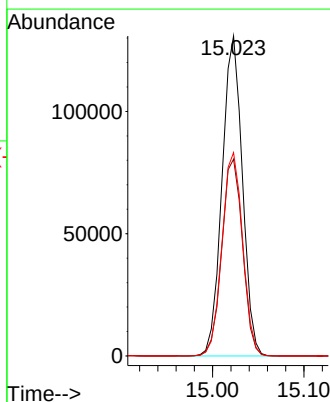
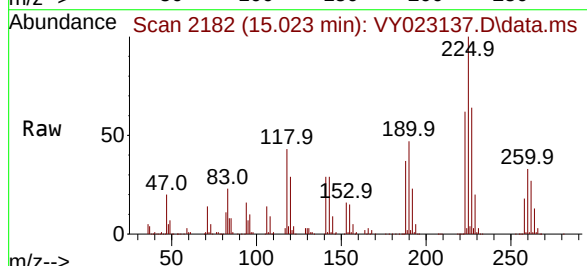
Tgt Ion:225 Resp: 202124

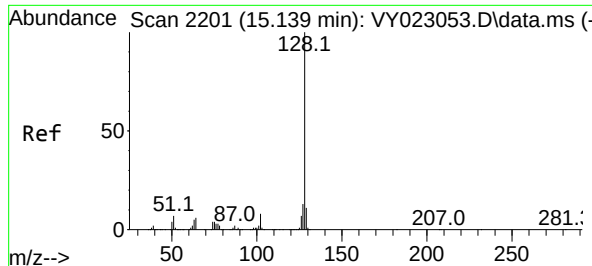
Ion Ratio Lower Upper

225 100

223 62.8 31.3 93.8

227 64.8 31.5 94.5





#95

Naphthalene

Concen: 51.208 ug/l

RT: 15.145 min Scan# 21

Delta R.T. 0.006 min

Lab File: VY023137.D

Acq: 19 Aug 2025 09:11

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

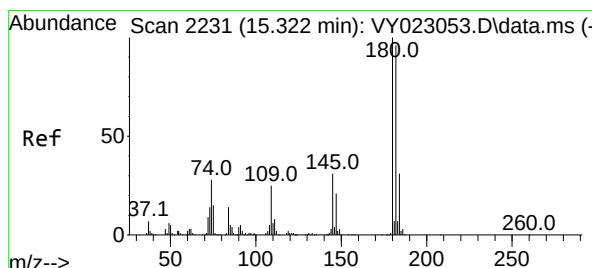
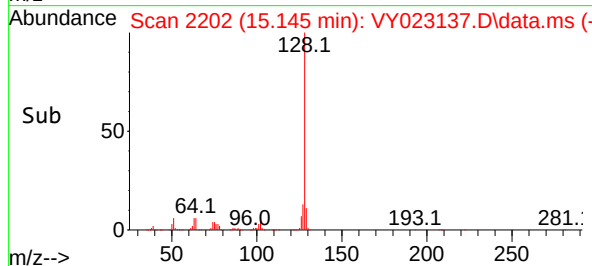
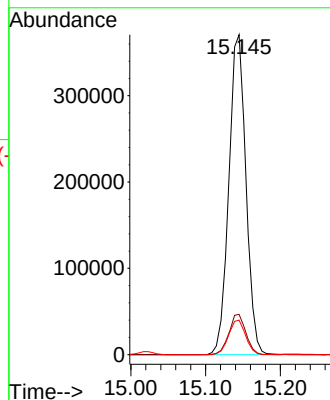
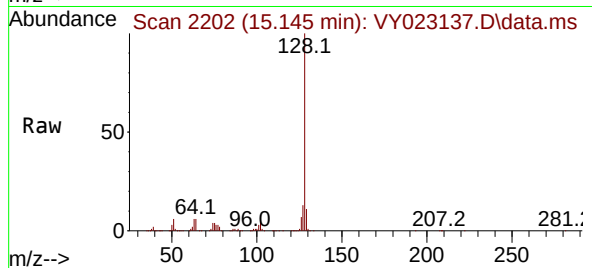
Tgt Ion:	128	Resp:	59025
Ion Ratio	Lower	Upper	
128	100		
127	12.6	10.4	15.6
129	10.9	9.0	13.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/20/2025

Supervised By :Mahesh Dadoda 08/20/2025



#96

1,2,3-Trichlorobenzene

Concen: 49.517 ug/l

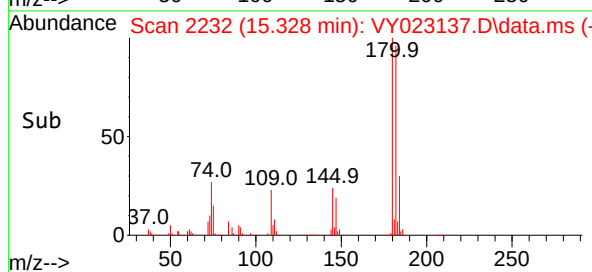
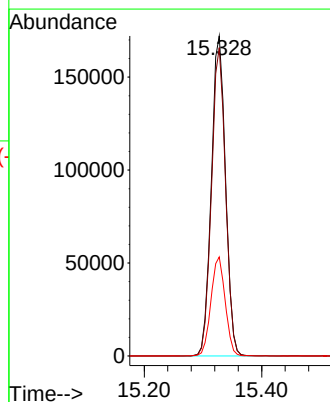
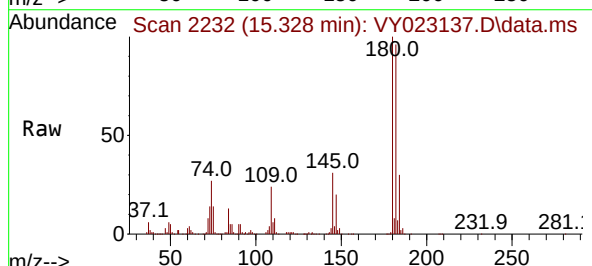
RT: 15.328 min Scan# 2232

Delta R.T. 0.006 min

Lab File: VY023137.D

Acq: 19 Aug 2025 09:11

Tgt Ion:	180	Resp:	288433
Ion Ratio	Lower	Upper	
180	100		
182	95.5	47.9	143.7
145	31.1	15.9	47.7



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081925\
Data File : VY023137.D
Acq On : 19 Aug 2025 09:11
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Aug 20 01:22:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	1.000	1.000	0.0	104	0.00
2 T	Dichlorodifluoromethane	0.408	0.339	16.9	101	0.00
3 P	Chloromethane	0.661	0.565	14.5	97	0.00
4 C	Vinyl Chloride	0.817	0.743	9.1#	100	0.01
5 T	Bromomethane	0.610	0.580	4.9	111	0.00
6 T	Chloroethane	0.543	0.507	6.6	102	0.01
7 T	Trichlorofluoromethane	0.994	0.908	8.7	101	0.00
8 T	Diethyl Ether	0.263	0.242	8.0	100	0.01
9 T	1,1,2-Trichlorotrifluoroeth	0.490	0.476	2.9	107	0.01
10 T	Methyl Iodide	0.529	0.581	-9.8	110	0.01
11 T	Tert butyl alcohol	0.033	0.028	15.2	93	0.00
12 CM	1,1-Dichloroethene	0.482	0.477	1.0#	107	0.01
13 T	Acrolein	0.048	0.022	54.2#	50	0.00
14 T	Allyl chloride	0.709	0.646	8.9	98	0.00
15 T	Acrylonitrile	0.107	0.100	6.5	98	0.01
16 T	Acetone	0.103	0.113	-9.7	114	0.00
17 T	Carbon Disulfide	1.571	1.449	7.8	101	0.01
18 T	Methyl Acetate	0.307	0.263	14.3	85	0.00
19 T	Methyl tert-butyl Ether	1.249	1.212	3.0	102	0.01
20 T	Methylene Chloride	0.620	0.513	17.3	105	0.01
21 T	trans-1,2-Dichloroethene	0.541	0.535	1.1	106	0.01
22 T	Diisopropyl ether	1.541	1.473	4.4	101	0.00
23 T	Vinyl Acetate	0.852	0.820	3.8	101	0.01
24 P	1,1-Dichloroethane	0.942	0.908	3.6	103	0.01
25 T	2-Butanone	0.140	0.137	2.1	100	0.01
26 T	2,2-Dichloropropane	0.813	0.836	-2.8	110	0.00
27 T	cis-1,2-Dichloroethene	0.626	0.626	0.0	107	0.00
28 T	Bromochloromethane	0.374	0.333	11.0	95	0.00
29 T	Tetrahydrofuran	0.087	0.079	9.2	94	0.00
30 C	Chloroform	0.971	0.958	1.3#	105	0.00
31 T	Cyclohexane	0.888	0.821	7.5	105	0.00
32 T	1,1,1-Trichloroethane	0.862	0.864	-0.2	107	0.00
33 S	1,2-Dichloroethane-d4	0.477	0.431	9.6	97	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	102	0.00
35 S	Dibromofluoromethane	0.299	0.292	2.3	102	0.00
36 T	1,1-Dichloropropene	0.445	0.452	-1.6	107	0.00
37 T	Ethyl Acetate	0.187	0.179	4.3	98	0.00
38 T	Carbon Tetrachloride	0.483	0.498	-3.1	109	0.00
39 T	Methylcyclohexane	0.586	0.607	-3.6	110	0.00
40 TM	Benzene	1.370	1.381	-0.8	106	0.00
41 T	Methacrylonitrile	0.108	0.101	6.5	94	0.00
42 TM	1,2-Dichloroethane	0.356	0.342	3.9	101	0.00
43 T	Isopropyl Acetate	0.378	0.353	6.6	97	0.00
44 TM	Trichloroethene	0.354	0.365	-3.1	109	0.00
45 C	1,2-Dichloropropane	0.315	0.316	-0.3#	105	0.00
46 T	Dibromomethane	0.181	0.180	0.6	103	0.00
47 T	Bromodichloromethane	0.466	0.464	0.4	103	0.00
48 T	Methyl methacrylate	0.181	0.174	3.9	95	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081925\
Data File : VY023137.D
Acq On : 19 Aug 2025 09:11
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Aug 20 01:22:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	1,4-Dioxane	0.002	0.002	0.0	96	0.00
50 S	Toluene-d8	1.169	1.150	1.6	103	0.00
51 T	4-Methyl-2-Pentanone	0.195	0.188	3.6	96	0.00
52 CM	Toluene	0.870	0.899	-3.3#	107	0.00
53 T	t-1,3-Dichloropropene	0.422	0.431	-2.1	105	0.00
54 T	cis-1,3-Dichloropropene	0.499	0.504	-1.0	104	0.00
55 T	1,1,2-Trichloroethane	0.242	0.243	-0.4	104	0.00
56 T	Ethyl methacrylate	0.310	0.315	-1.6	101	0.00
57 T	1,3-Dichloropropane	0.411	0.405	1.5	102	0.00
58 T	2-Chloroethyl Vinyl ether	0.146	0.142	2.7	94	0.00
59 T	2-Hexanone	0.133	0.135	-1.5	101	0.00
60 T	Dibromochloromethane	0.320	0.326	-1.9	105	0.00
61 T	1,2-Dibromoethane	0.228	0.229	-0.4	104	0.01
62 S	4-Bromofluorobenzene	0.376	0.373	0.8	103	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	101	0.00
64 T	Tetrachloroethene	0.446	0.450	-0.9	105	0.00
65 PM	Chlorobenzene	1.079	1.127	-4.4	108	0.00
66 T	1,1,1,2-Tetrachloroethane	0.366	0.387	-5.7	109	0.00
67 C	Ethyl Benzene	1.856	1.962	-5.7#	107	0.00
68 T	m/p-Xylenes	0.725	0.779	-7.4	110	0.00
69 T	o-Xylene	0.679	0.732	-7.8	108	0.00
70 T	Styrene	1.110	1.221	-10.0	110	0.00
71 P	Bromoform	0.214	0.218	-1.9	103	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	104	0.00
73 T	Isopropylbenzene	3.529	3.707	-5.0	110	0.00
74 T	N-amyl acetate	0.748	0.727	2.8	98	0.00
75 P	1,1,2,2-Tetrachloroethane	0.603	0.586	2.8	104	0.00
76 T	1,2,3-Trichloropropane	0.483	0.421	12.8	82	0.00
77 T	Bromobenzene	0.842	0.858	-1.9	108	0.00
78 T	n-propylbenzene	4.201	4.437	-5.6	109	0.00
79 T	2-Chlorotoluene	2.407	2.484	-3.2	108	0.00
80 T	1,3,5-Trimethylbenzene	2.852	3.036	-6.5	110	0.00
81 T	trans-1,4-Dichloro-2-butene	0.199	0.198	0.5	104	0.00
82 T	4-Chlorotoluene	2.497	2.549	-2.1	108	0.00
83 T	tert-Butylbenzene	2.576	2.780	-7.9	112	0.00
84 T	1,2,4-Trimethylbenzene	2.839	3.036	-6.9	111	0.00
85 T	sec-Butylbenzene	3.784	4.062	-7.3	112	0.00
86 T	p-Isopropyltoluene	3.141	3.459	-10.1	113	0.00
87 T	1,3-Dichlorobenzene	1.660	1.734	-4.5	112	0.00
88 T	1,4-Dichlorobenzene	1.647	1.689	-2.6	110	0.00
89 T	n-Butylbenzene	2.885	3.138	-8.8	112	0.00
90 T	Hexachloroethane	0.643	0.673	-4.7	111	0.00
91 T	1,2-Dichlorobenzene	1.456	1.499	-3.0	110	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.094	0.088	6.4	97	0.00
93 T	1,2,4-Trichlorobenzene	0.861	0.881	-2.3	108	0.00
94 T	Hexachlorobutadiene	0.506	0.515	-1.8	109	0.00
95 T	Naphthalene	1.468	1.504	-2.5	105	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081925\
Data File : VY023137.D
Acq On : 19 Aug 2025 09:11
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Aug 20 01:22:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.742	0.735	0.9	106	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081925\
Data File : VY023137.D
Acq On : 19 Aug 2025 09:11
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Aug 20 01:22:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	50.000	50.000	0.0	104	0.00
2 T	Dichlorodifluoromethane	50.000	41.557	16.9	101	0.00
3 P	Chloromethane	50.000	42.705	14.6	97	0.00
4 C	Vinyl Chloride	50.000	45.491	9.0#	100	0.01
5 T	Bromomethane	50.000	47.481	5.0	111	0.00
6 T	Chloroethane	50.000	46.683	6.6	102	0.01
7 T	Trichlorofluoromethane	50.000	45.708	8.6	101	0.00
8 T	Diethyl Ether	50.000	46.102	7.8	100	0.01
9 T	1,1,2-Trichlorotrifluoroeth	50.000	48.569	2.9	107	0.01
10 T	Methyl Iodide	50.000	54.916	-9.8	110	0.01
11 T	Tert butyl alcohol	250.000	218.191	12.7	93	0.00
12 CM	1,1-Dichloroethene	50.000	49.491	1.0#	107	0.01
13 T	Acrolein	250.000	113.207	54.7#	50	0.00
14 T	Allyl chloride	50.000	45.563	8.9	98	0.00
15 T	Acrylonitrile	250.000	233.725	6.5	98	0.01
16 T	Acetone	250.000	273.812	-9.5	114	0.00
17 T	Carbon Disulfide	50.000	46.117	7.8	101	0.01
18 T	Methyl Acetate	50.000	42.821	14.4	85	0.00
19 T	Methyl tert-butyl Ether	50.000	48.545	2.9	102	0.01
20 T	Methylene Chloride	50.000	47.727	4.5	105	0.01
21 T	trans-1,2-Dichloroethene	50.000	49.404	1.2	106	0.01
22 T	Diisopropyl ether	50.000	47.793	4.4	101	0.00
23 T	Vinyl Acetate	250.000	240.761	3.7	101	0.01
24 P	1,1-Dichloroethane	50.000	48.199	3.6	103	0.01
25 T	2-Butanone	250.000	244.351	2.3	100	0.01
26 T	2,2-Dichloropropane	50.000	51.414	-2.8	110	0.00
27 T	cis-1,2-Dichloroethene	50.000	50.042	-0.1	107	0.00
28 T	Bromochloromethane	50.000	44.509	11.0	95	0.00
29 T	Tetrahydrofuran	250.000	226.737	9.3	94	0.00
30 C	Chloroform	50.000	49.287	1.4#	105	0.00
31 T	Cyclohexane	50.000	46.269	7.5	105	0.00
32 T	1,1,1-Trichloroethane	50.000	50.106	-0.2	107	0.00
33 S	1,2-Dichloroethane-d4	50.000	45.256	9.5	97	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	102	0.00
35 S	Dibromofluoromethane	50.000	48.854	2.3	102	0.00
36 T	1,1-Dichloropropene	50.000	50.818	-1.6	107	0.00
37 T	Ethyl Acetate	50.000	48.006	4.0	98	0.00
38 T	Carbon Tetrachloride	50.000	51.581	-3.2	109	0.00
39 T	Methylcyclohexane	50.000	51.832	-3.7	110	0.00
40 TM	Benzene	50.000	50.401	-0.8	106	0.00
41 T	Methacrylonitrile	50.000	46.765	6.5	94	0.00
42 TM	1,2-Dichloroethane	50.000	48.044	3.9	101	0.00
43 T	Isopropyl Acetate	50.000	46.703	6.6	97	0.00
44 TM	Trichloroethene	50.000	51.463	-2.9	109	0.00
45 C	1,2-Dichloropropane	50.000	50.044	-0.1#	105	0.00
46 T	Dibromomethane	50.000	49.637	0.7	103	0.00
47 T	Bromodichloromethane	50.000	49.781	0.4	103	0.00
48 T	Methyl methacrylate	50.000	48.023	4.0	95	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081925\
Data File : VY023137.D
Acq On : 19 Aug 2025 09:11
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Aug 20 01:22:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49 T	1,4-Dioxane	1000.000	934.713	6.5	96	0.00
50 S	Toluene-d8	50.000	49.217	1.6	103	0.00
51 T	4-Methyl-2-Pentanone	250.000	240.906	3.6	96	0.00
52 CM	Toluene	50.000	51.669	-3.3#	107	0.00
53 T	t-1,3-Dichloropropene	50.000	51.112	-2.2	105	0.00
54 T	cis-1,3-Dichloropropene	50.000	50.516	-1.0	104	0.00
55 T	1,1,2-Trichloroethane	50.000	50.206	-0.4	104	0.00
56 T	Ethyl methacrylate	50.000	50.859	-1.7	101	0.00
57 T	1,3-Dichloropropane	50.000	49.273	1.5	102	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	242.835	2.9	94	0.00
59 T	2-Hexanone	250.000	254.865	-1.9	101	0.00
60 T	Dibromochloromethane	50.000	50.963	-1.9	105	0.00
61 T	1,2-Dibromoethane	50.000	50.411	-0.8	104	0.01
62 S	4-Bromofluorobenzene	50.000	49.618	0.8	103	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	101	0.00
64 T	Tetrachloroethene	50.000	50.340	-0.7	105	0.00
65 PM	Chlorobenzene	50.000	52.238	-4.5	108	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	52.900	-5.8	109	0.00
67 C	Ethyl Benzene	50.000	52.850	-5.7#	107	0.00
68 T	m/p-Xylenes	100.000	107.397	-7.4	110	0.00
69 T	o-Xylene	50.000	53.940	-7.9	108	0.00
70 T	Styrene	50.000	55.007	-10.0	110	0.00
71 P	Bromoform	50.000	51.022	-2.0	103	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	104	0.00
73 T	Isopropylbenzene	50.000	52.528	-5.1	110	0.00
74 T	N-amyl acetate	50.000	48.584	2.8	98	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	48.639	2.7	104	0.00
76 T	1,2,3-Trichloropropane	50.000	43.632	12.7	82	0.00
77 T	Bromobenzene	50.000	50.968	-1.9	108	0.00
78 T	n-propylbenzene	50.000	52.806	-5.6	109	0.00
79 T	2-Chlorotoluene	50.000	51.594	-3.2	108	0.00
80 T	1,3,5-Trimethylbenzene	50.000	53.229	-6.5	110	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	49.570	0.9	104	0.00
82 T	4-Chlorotoluene	50.000	51.036	-2.1	108	0.00
83 T	tert-Butylbenzene	50.000	53.956	-7.9	112	0.00
84 T	1,2,4-Trimethylbenzene	50.000	53.459	-6.9	111	0.00
85 T	sec-Butylbenzene	50.000	53.673	-7.3	112	0.00
86 T	p-Isopropyltoluene	50.000	55.063	-10.1	113	0.00
87 T	1,3-Dichlorobenzene	50.000	52.231	-4.5	112	0.00
88 T	1,4-Dichlorobenzene	50.000	51.281	-2.6	110	0.00
89 T	n-Butylbenzene	50.000	54.384	-8.8	112	0.00
90 T	Hexachloroethane	50.000	52.354	-4.7	111	0.00
91 T	1,2-Dichlorobenzene	50.000	51.489	-3.0	110	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	47.081	5.8	97	0.00
93 T	1,2,4-Trichlorobenzene	50.000	51.158	-2.3	108	0.00
94 T	Hexachlorobutadiene	50.000	50.885	-1.8	109	0.00
95 T	Naphthalene	50.000	51.208	-2.4	105	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081925\
Data File : VY023137.D
Acq On : 19 Aug 2025 09:11
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Aug 20 01:22:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	49.517	1.0	106	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6



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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>FIRS02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q2820</u>
Instrument ID:	<u>MSVOA_Y</u>	Calibration Date/Time:	<u>08/19/2025 19:08</u>
Lab File ID:	<u>VY023160.D</u>	Init. Calib. Date(s):	<u>08/12/2025 08/12/2025</u>
Heated Purge: (Y/N)	<u>Y</u>	Init. Calib. Time(s):	<u>14:54 16:47</u>
GC Column:	<u>RXI-624</u>	ID:	<u>0.25</u> (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.408	0.320		-21.57	50
Chloromethane	0.661	0.610	0.1	-7.72	50
Vinyl Chloride	0.817	0.782		-4.28	50
Bromomethane	0.610	0.614		0.66	50
Chloroethane	0.543	0.553		1.84	50
Trichlorofluoromethane	0.994	0.893		-10.16	50
1,1,2-Trichlorotrifluoroethane	0.490	0.442		-9.8	50
1,1-Dichloroethene	0.482	0.454		-5.81	50
Acetone	0.103	0.077		-25.24	50
Carbon Disulfide	1.571	1.447		-7.89	50
Methyl tert-butyl Ether	1.249	1.186		-5.04	50
Methyl Acetate	0.307	0.309		0.65	50
Methylene Chloride	0.620	0.539		-13.06	50
trans-1,2-Dichloroethene	0.541	0.543		0.37	50
1,1-Dichloroethane	0.942	0.933	0.1	-0.95	50
Cyclohexane	0.888	0.746		-15.99	50
2-Butanone	0.140	0.118		-15.71	50
Carbon Tetrachloride	0.483	0.470		-2.69	50
cis-1,2-Dichloroethene	0.626	0.631		0.8	50
Bromochloromethane	0.374	0.372		-0.54	50
Chloroform	0.971	0.985		1.44	50
1,1,1-Trichloroethane	0.862	0.852		-1.16	50
Methylcyclohexane	0.586	0.534		-8.87	50
Benzene	1.370	1.375		0.37	50
1,2-Dichloroethane	0.356	0.348		-2.25	50
Trichloroethene	0.354	0.367		3.67	50
1,2-Dichloropropane	0.315	0.314		-0.32	50
Bromodichloromethane	0.466	0.472		1.29	50
4-Methyl-2-Pentanone	0.195	0.181		-7.18	50
Toluene	0.870	0.891		2.41	50
t-1,3-Dichloropropene	0.422	0.407		-3.56	50
cis-1,3-Dichloropropene	0.499	0.486		-2.61	50
1,1,2-Trichloroethane	0.242	0.243		0.41	50
2-Hexanone	0.133	0.120		-9.77	50
Dibromochloromethane	0.320	0.328		2.5	50
1,2-Dibromoethane	0.228	0.226		-0.88	50
Tetrachloroethene	0.446	0.501		12.33	50
Chlorobenzene	1.079	1.088	0.3	0.83	50

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



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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>FIRS02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q2820</u>
Instrument ID:	<u>MSVOA_Y</u>	Calibration Date/Time:	<u>08/19/2025</u> <u>19:08</u>
Lab File ID:	<u>VY023160.D</u>	Init. Calib. Date(s):	<u>08/12/2025</u> <u>08/12/2025</u>
Heated Purge: (Y/N)	<u>Y</u>	Init. Calib. Time(s):	<u>14:54</u> <u>16:47</u>
GC Column:	<u>RXI-624</u>	ID:	<u>0.25</u> (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.856	1.889		1.78	50
m/p-Xylenes	0.725	0.747		3.03	50
o-Xylene	0.679	0.703		3.54	50
Styrene	1.110	1.180		6.31	50
Bromoform	0.214	0.210	0.1	-1.87	50
Isopropylbenzene	3.529	3.482		-1.33	50
1,1,2,2-Tetrachloroethane	0.603	0.519	0.3	-13.93	50
1,3-Dichlorobenzene	1.660	1.648		-0.72	50
1,4-Dichlorobenzene	1.647	1.601		-2.79	50
1,2-Dichlorobenzene	1.456	1.432		-1.65	50
1,2-Dibromo-3-Chloropropane	0.094	0.084		-10.64	50
1,2,4-Trichlorobenzene	0.861	0.784		-8.94	50
1,2,3-Trichlorobenzene	0.742	0.672		-9.43	50
1,2-Dichloroethane-d4	0.477	0.470		-1.47	50
Dibromofluoromethane	0.299	0.299		0	50
Toluene-d8	1.169	1.189		1.71	50
4-Bromofluorobenzene	0.376	0.378		0.53	50

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081925\
 Data File : VY023160.D
 Acq On : 19 Aug 2025 19:08
 Operator : SY/MD
 Sample : VSTDC0050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDC0050EC

Quant Time: Aug 20 01:34:40 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 13 02:10:11 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 08/20/2025
 Supervised By : Mahesh Dadoda 08/20/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	453917	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	726912	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	647238	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	333557	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	213375	49.322	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	98.640%		
35) Dibromofluoromethane	7.634	113	217058	49.903	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	99.800%		
50) Toluene-d8	10.103	98	864097	50.853	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	101.700%		
62) 4-Bromofluorobenzene	12.401	95	274917	50.308	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	100.620%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	145094	39.160	ug/l	98
3) Chloromethane	2.068	50	276875	46.137	ug/l	97
4) Vinyl Chloride	2.202	62	354948	47.848	ug/l	100
5) Bromomethane	2.592	94	278901	50.342	ug/l	100
6) Chloroethane	2.732	64	250831	50.860	ug/l	100
7) Trichlorofluoromethane	3.049	101	405455	44.950	ug/l	99
8) Diethyl Ether	3.452	74	111202	46.597	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.812	101	200633	45.085	ug/l	99
10) Methyl Iodide	4.001	142	263764	54.928	ug/l	98
11) Tert butyl alcohol	4.860	59	62641	211.323	ug/l	100
12) 1,1-Dichloroethene	3.787	96	206109	47.120	ug/l	97
13) Acrolein	3.647	56	48005	110.581	ug/l	97
14) Allyl chloride	4.378	41	288345	44.800	ug/l	97
15) Acrylonitrile	5.049	53	228651	235.673	ug/l	98
16) Acetone	3.866	43	175331	187.073	ug/l	97
17) Carbon Disulfide	4.104	76	657020	46.066	ug/l	100
18) Methyl Acetate	4.385	43	140261	50.290	ug/l	97
19) Methyl tert-butyl Ether	5.116	73	538168	47.480	ug/l	99
20) Methylene Chloride	4.610	84	244646	50.247	ug/l	97
21) trans-1,2-Dichloroethene	5.116	96	246365	50.119	ug/l	99
22) Diisopropyl ether	6.018	45	670200	47.919	ug/l	99
23) Vinyl Acetate	5.957	43	1726827	223.289	ug/l	98
24) 1,1-Dichloroethane	5.915	63	423462	49.522	ug/l	99
25) 2-Butanone	6.896	43	268264	210.456	ug/l	97
26) 2,2-Dichloropropane	6.884	77	330025	44.729	ug/l	98
27) cis-1,2-Dichloroethene	6.890	96	286353	50.390	ug/l	97
28) Bromochloromethane	7.244	49	168646	49.712	ug/l	96
29) Tetrahydrofuran	7.256	42	176959	223.965	ug/l	96
30) Chloroform	7.421	83	447102	50.699	ug/l	98
31) Cyclohexane	7.701	56	338813	42.047	ug/l	99
32) 1,1,1-Trichloroethane	7.616	97	386894	49.443	ug/l	100
36) 1,1-Dichloropropene	7.835	75	308640	47.746	ug/l	99
37) Ethyl Acetate	6.982	43	120682	44.444	ug/l	99
38) Carbon Tetrachloride	7.817	117	341297	48.612	ug/l	99
39) Methylcyclohexane	9.109	83	387997	45.580	ug/l	95
40) Benzene	8.079	78	999546	50.170	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081925\
 Data File : VY023160.D
 Acq On : 19 Aug 2025 19:08
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Aug 20 01:34:40 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 13 02:10:11 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 08/20/2025
 Supervised By : Mahesh Dadoda 08/20/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.219	41	65626	41.877	ug/l	87
42) 1,2-Dichloroethane	8.158	62	253049	48.835	ug/l	100
43) Isopropyl Acetate	8.195	43	245293	44.694	ug/l	97
44) Trichloroethene	8.865	130	266609	51.782	ug/l	100
45) 1,2-Dichloropropane	9.140	63	228425	49.829	ug/l	99
46) Dibromomethane	9.231	93	131481	49.971	ug/l	99
47) Bromodichloromethane	9.420	83	343279	50.703	ug/l	99
48) Methyl methacrylate	9.219	41	118237	45.021	ug/l	95
49) 1,4-Dioxane	9.225	88	29199	946.444	ug/l	90
51) 4-Methyl-2-Pentanone	9.993	43	656710	231.971	ug/l	98
52) Toluene	10.170	92	647611	51.179	ug/l	99
53) t-1,3-Dichloropropene	10.390	75	296104	48.297	ug/l	100
54) cis-1,3-Dichloropropene	9.853	75	353426	48.751	ug/l	97
55) 1,1,2-Trichloroethane	10.573	97	176672	50.180	ug/l	98
56) Ethyl methacrylate	10.438	69	217938	48.375	ug/l	98
57) 1,3-Dichloropropane	10.713	76	292293	48.952	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.707	63	551100	259.330	ug/l	98
59) 2-Hexanone	10.755	43	435049	225.681	ug/l	100
60) Dibromochloromethane	10.908	129	238623	51.365	ug/l	100
61) 1,2-Dibromoethane	11.011	107	164095	49.588	ug/l	99
64) Tetrachloroethene	10.646	164	323963	56.055	ug/l	98
65) Chlorobenzene	11.438	112	704107	50.434	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.511	131	243596	51.411	ug/l	100
67) Ethyl Benzene	11.517	91	1222605	50.888	ug/l	98
68) m/p-Xylenes	11.627	106	966978	103.051	ug/l	98
69) o-Xylene	11.950	106	455236	51.799	ug/l	99
70) Styrene	11.969	104	763639	53.132	ug/l	98
71) Bromoform	12.127	173	135638	48.980	ug/l #	99
73) Isopropylbenzene	12.249	105	1161331	49.330	ug/l	99
74) N-amyl acetate	12.066	43	217737	43.613	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.505	83	172951	43.025	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	155632m	48.345	ug/l	
77) Bromobenzene	12.529	156	273466	48.690	ug/l	98
78) n-propylbenzene	12.590	91	1387452	49.502	ug/l	99
79) 2-Chlorotoluene	12.676	91	784149	48.829	ug/l	99
80) 1,3,5-Trimethylbenzene	12.731	105	954748	50.180	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	57362	43.134	ug/l	99
82) 4-Chlorotoluene	12.773	91	816232	48.995	ug/l	99
83) tert-Butylbenzene	12.993	119	857857	49.921	ug/l	100
84) 1,2,4-Trimethylbenzene	13.042	105	956661	50.510	ug/l	99
85) sec-Butylbenzene	13.170	105	1249164	49.485	ug/l	100
86) p-Isopropyltoluene	13.285	119	1065308	50.842	ug/l	100
87) 1,3-Dichlorobenzene	13.285	146	549837	49.644	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	534086	48.611	ug/l	99
89) n-Butylbenzene	13.615	91	957330	49.746	ug/l	99
90) Hexachloroethane	13.877	117	214503	50.008	ug/l	98
91) 1,2-Dichlorobenzene	13.657	146	477680	49.177	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	28063	44.839	ug/l	99
93) 1,2,4-Trichlorobenzene	14.913	180	261664	45.553	ug/l	98
94) Hexachlorobutadiene	15.017	225	153359	45.434	ug/l	98
95) Naphthalene	15.139	128	452211	46.168	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	224276	45.311	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081925\
Data File : VY023160.D
Acq On : 19 Aug 2025 19:08
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By : John Carlone 08/20/2025
Supervised By : Mahesh Dadoda 08/20/2025

Quant Time: Aug 20 01:34:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

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

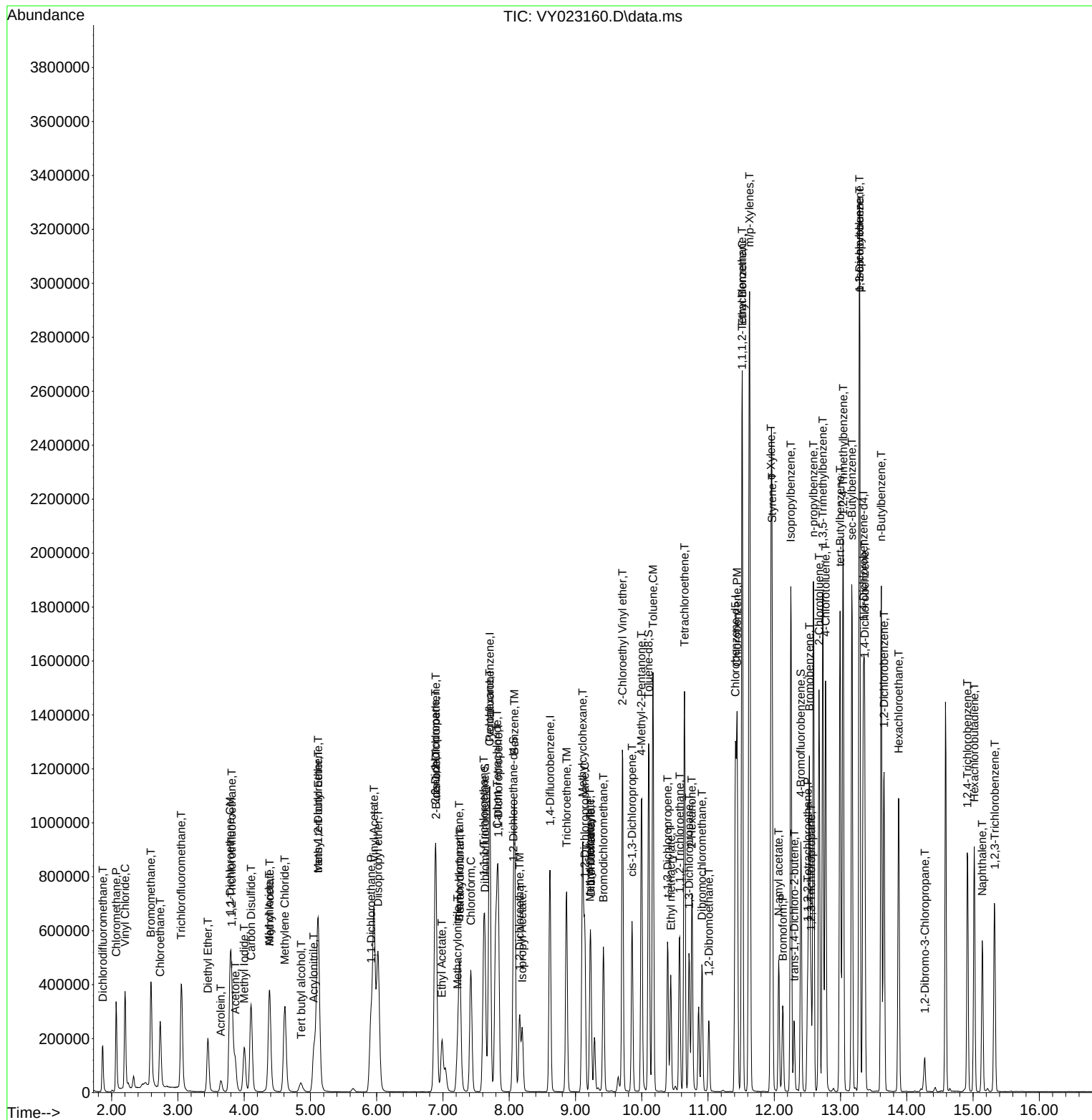
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081925\
 Data File : VY023160.D
 Acq On : 19 Aug 2025 19:08
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 26 Sample Multiplier: 1

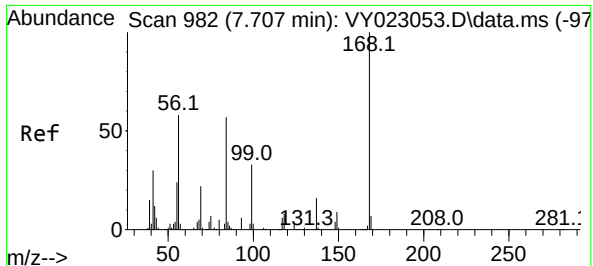
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Aug 20 01:34:40 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 13 02:10:11 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

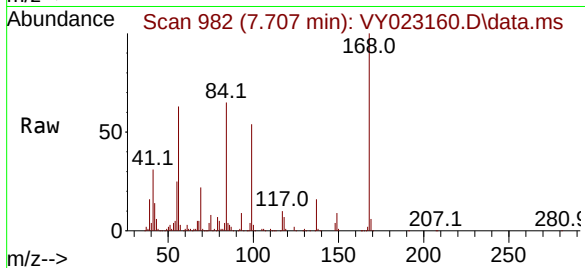
Reviewed By : John Carlone 08/20/2025
 Supervised By : Mahesh Dadoda 08/20/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

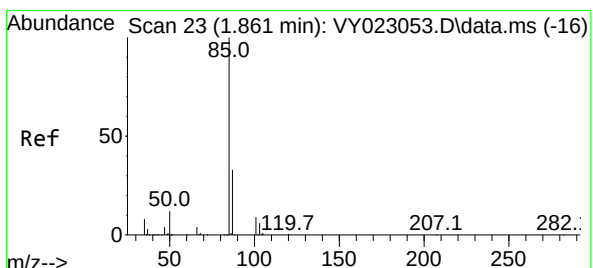
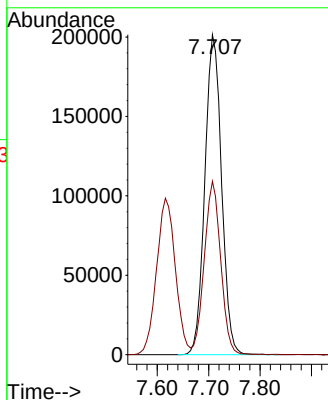
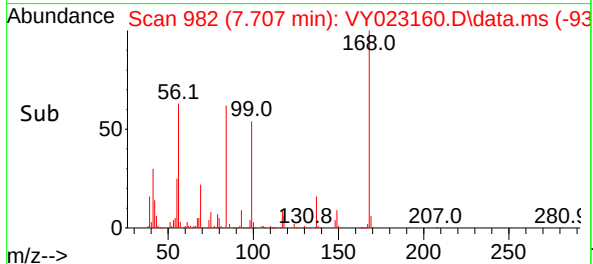
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC



Tgt Ion:168 Resp: 453917
Ion Ratio Lower Upper
168 100
99 54.1 42.8 64.2

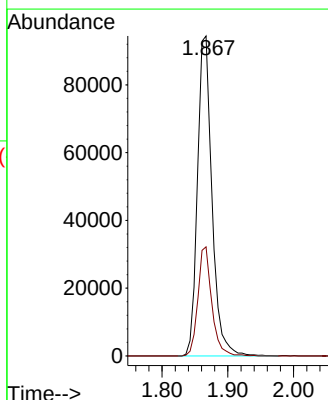
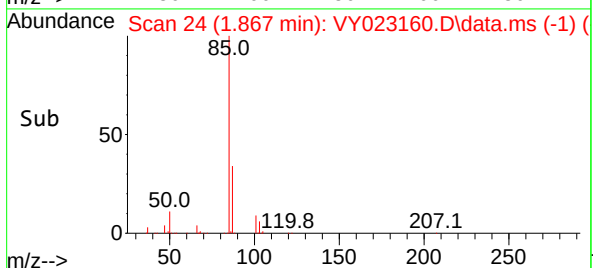
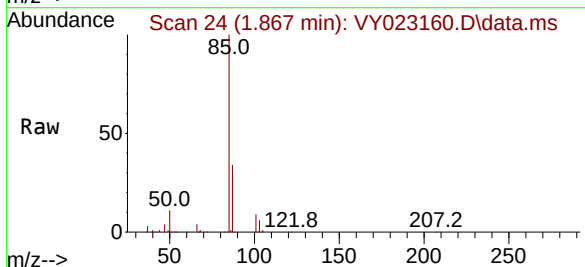
Manual Integrations
APPROVED

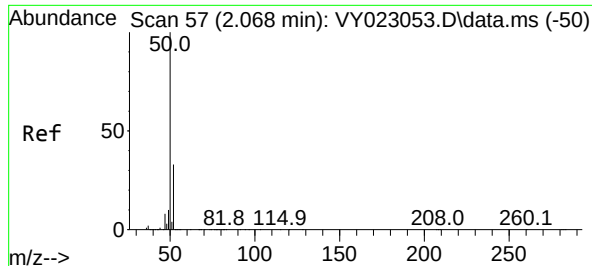
Reviewed By :John Carlone 08/20/2025
Supervised By :Mahesh Dadoda 08/20/2025



#2
Dichlorodifluoromethane
Concen: 39.160 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

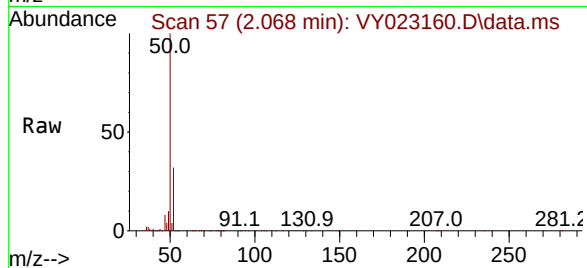
Tgt Ion: 85 Resp: 145094
Ion Ratio Lower Upper
85 100
87 34.1 16.6 49.8





#3
Chloromethane
Concen: 46.137 ug/l
RT: 2.068 min Scan# 51
Delta R.T. 0.000 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

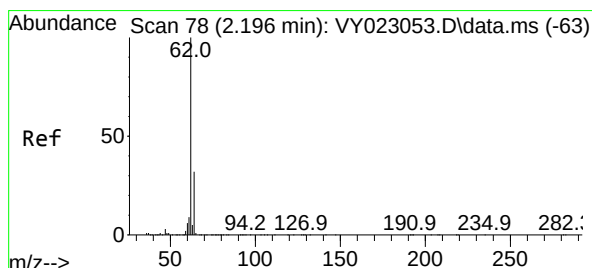
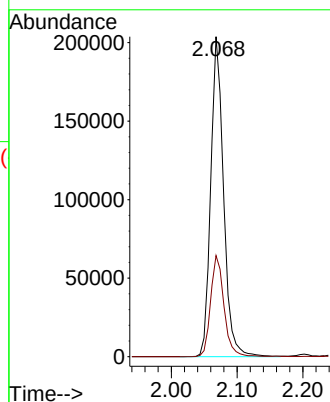
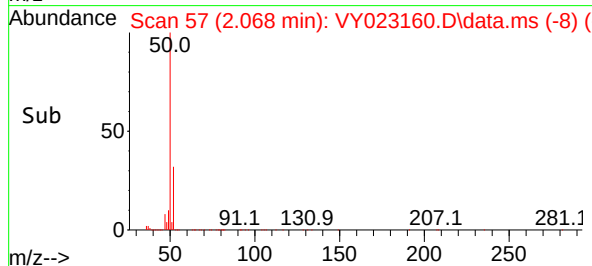
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC



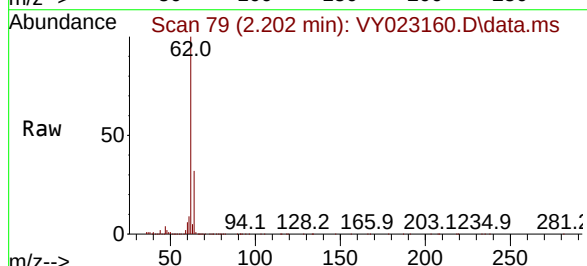
Tgt Ion: 50 Resp: 276879
Ion Ratio Lower Upper
50 100
52 31.6 26.7 40.1

Manual Integrations
APPROVED

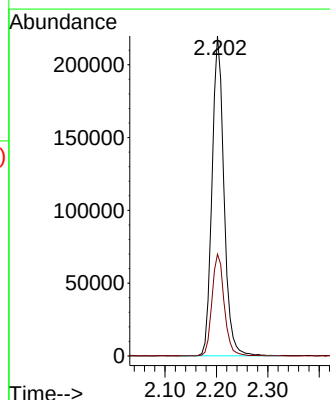
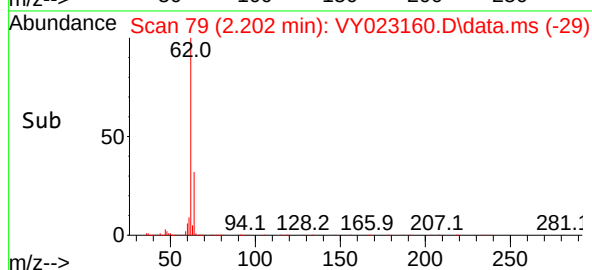
Reviewed By :John Carlone 08/20/2025
Supervised By :Mahesh Dadoda 08/20/2025

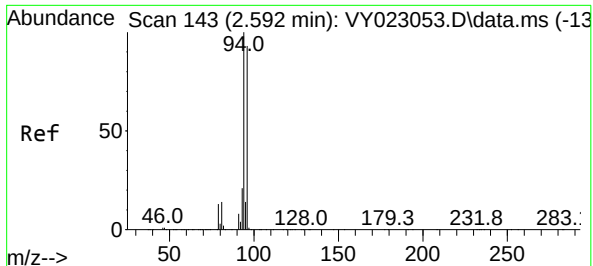


#4
Vinyl Chloride
Concen: 47.848 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08



Tgt Ion: 62 Resp: 354948
Ion Ratio Lower Upper
62 100
64 31.8 25.4 38.0





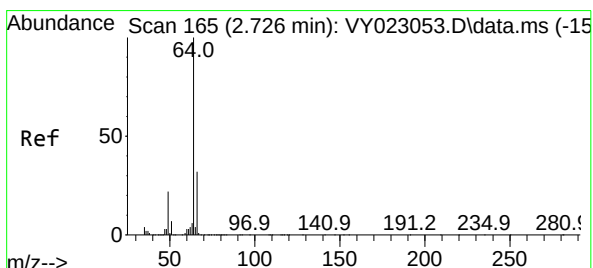
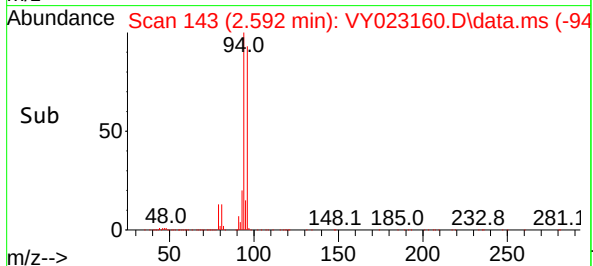
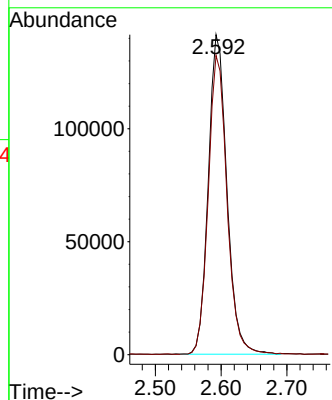
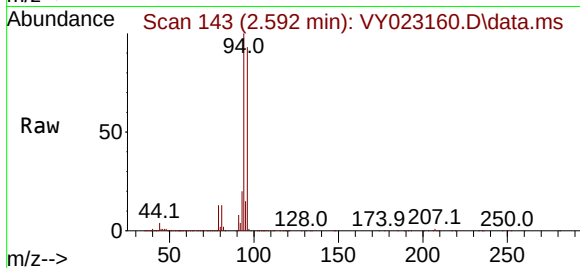
#5
Bromomethane
Concen: 50.342 ug/l
RT: 2.592 min Scan# 143
Delta R.T. 0.000 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 94 Resp: 27890
Ion Ratio Lower Upper
94 100
96 93.5 74.6 112.0

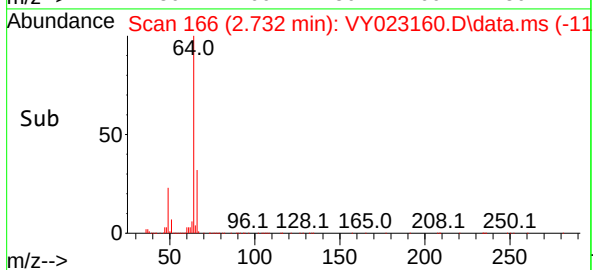
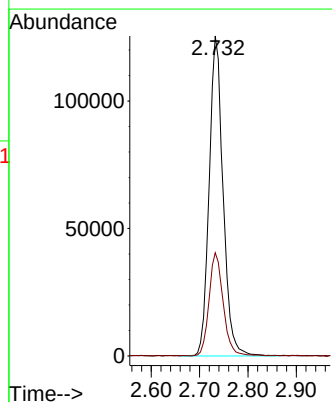
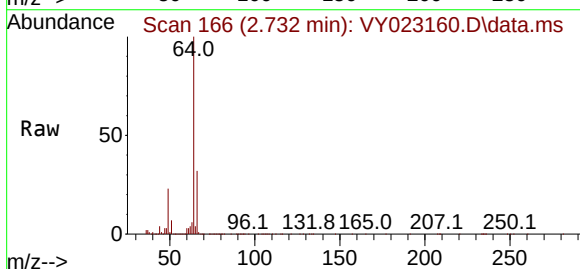
Manual Integrations
APPROVED

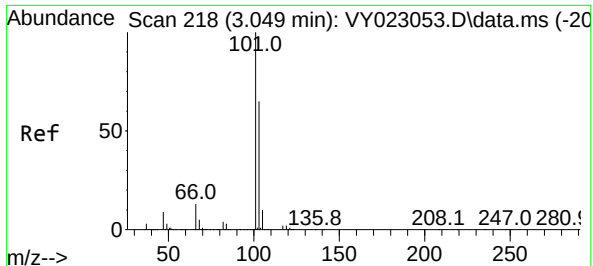
Reviewed By :John Carlone 08/20/2025
Supervised By :Mahesh Dadoda 08/20/2025



#6
Chloroethane
Concen: 50.860 ug/l
RT: 2.732 min Scan# 166
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

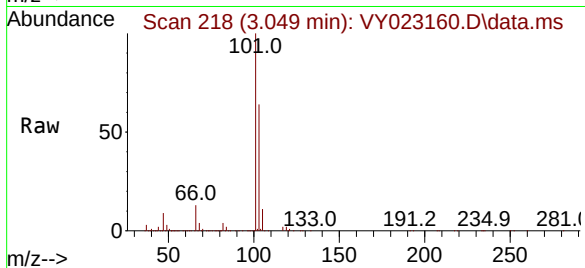
Tgt Ion: 64 Resp: 250831
Ion Ratio Lower Upper
64 100
66 32.1 25.8 38.6





#7
Trichlorofluoromethane
Concen: 44.950 ug/l
RT: 3.049 min Scan# 218
Delta R.T. 0.000 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

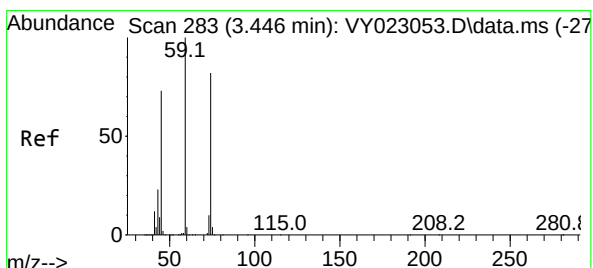
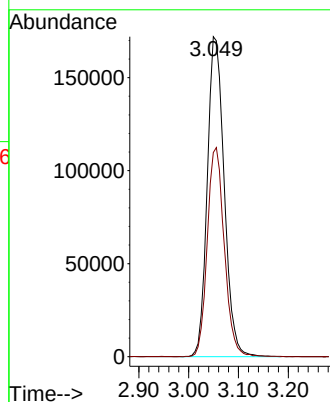
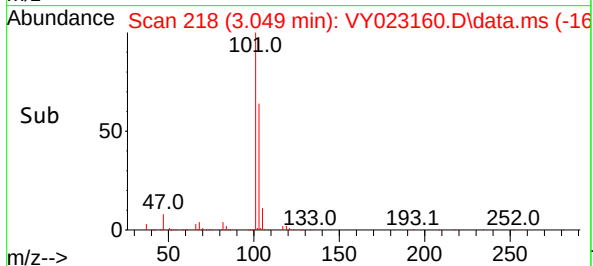
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC



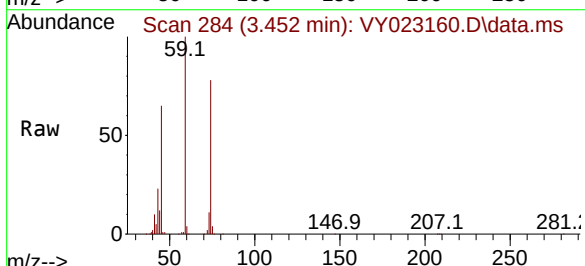
Tgt Ion:101 Resp: 40545
Ion Ratio Lower Upper
101 100
103 63.8 51.9 77.9

Manual Integrations
APPROVED

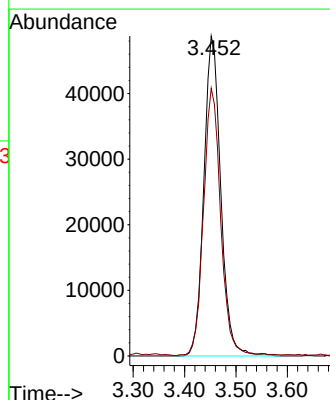
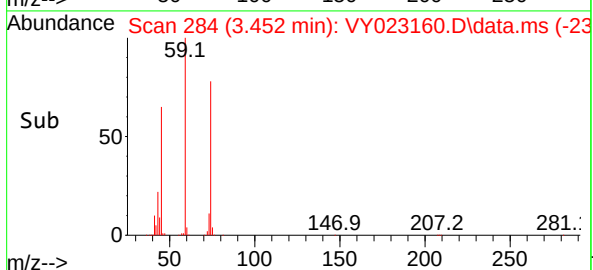
Reviewed By :John Carlone 08/20/2025
Supervised By :Mahesh Dadoda 08/20/2025

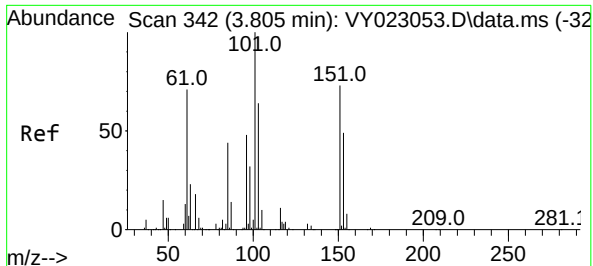


#8
Diethyl Ether
Concen: 46.597 ug/l
RT: 3.452 min Scan# 284
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08



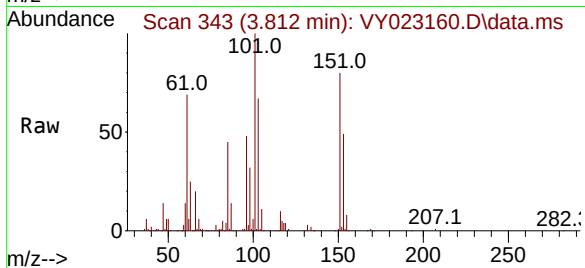
Tgt Ion: 74 Resp: 111202
Ion Ratio Lower Upper
74 100
45 84.5 44.4 133.2





#9
1,1,2-Trichlorotrifluoroethane
Concen: 45.085 ug/l
RT: 3.812 min Scan# 342
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

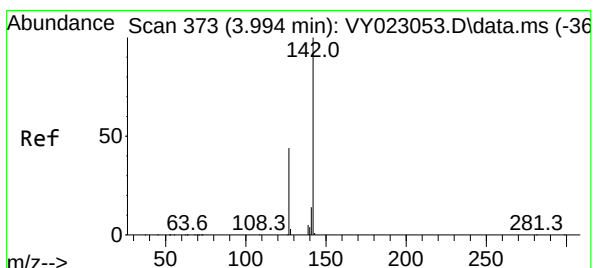
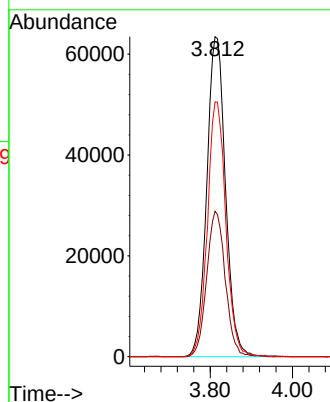
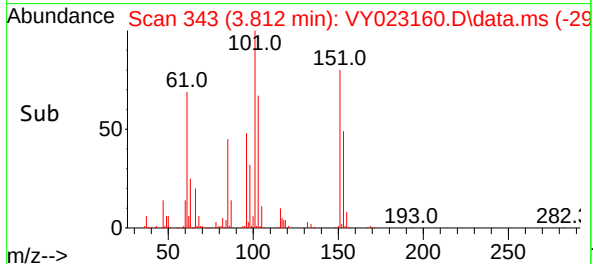
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC



Tgt Ion:101 Resp: 20063
Ion Ratio Lower Upper
101 100
85 45.2 36.3 54.5
151 78.1 61.5 92.3

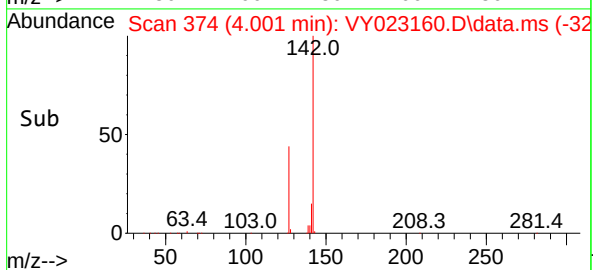
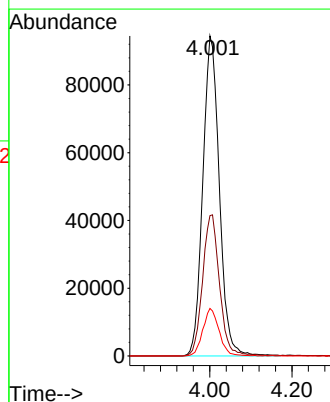
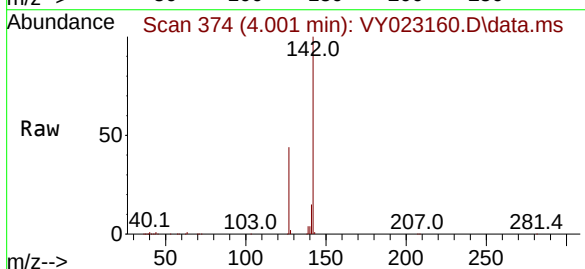
Manual Integrations
APPROVED

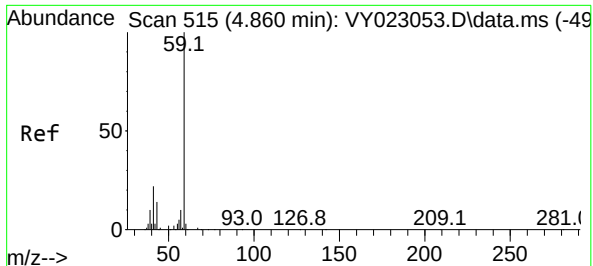
Reviewed By :John Carlone 08/20/2025
Supervised By :Mahesh Dadoda 08/20/2025



#10
Methyl Iodide
Concen: 54.928 ug/l
RT: 4.001 min Scan# 374
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion:142 Resp: 263764
Ion Ratio Lower Upper
142 100
127 45.1 34.9 52.3
141 14.6 11.3 16.9





#11

Tert butyl alcohol

Concen: 211.323 ug/l

RT: 4.860 min Scan# 515

Delta R.T. 0.000 min

Lab File: VY023160.D

Acq: 19 Aug 2025 19:08

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 59 Resp: 6264

Ion Ratio Lower Upper

59 100

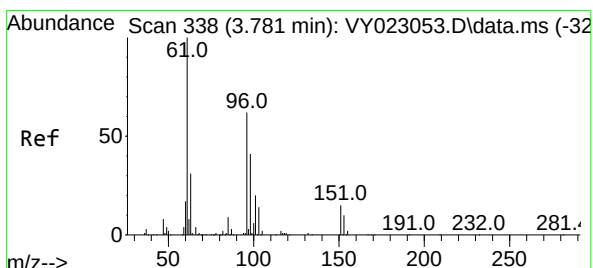
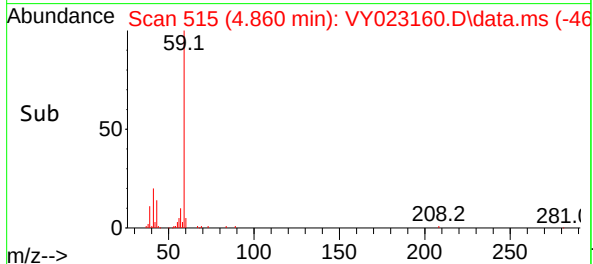
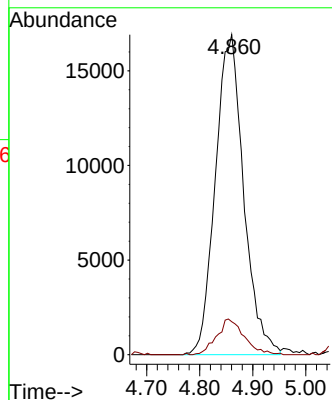
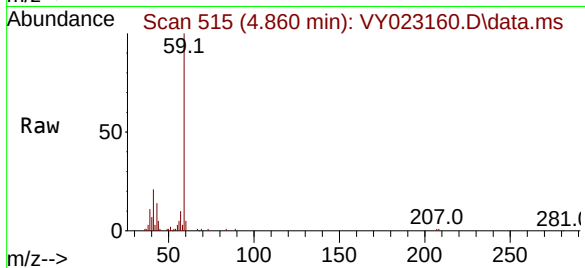
57 10.8 8.6 13.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/20/2025

Supervised By :Mahesh Dadoda 08/20/2025



#12

1,1-Dichloroethene

Concen: 47.120 ug/l

RT: 3.787 min Scan# 339

Delta R.T. 0.006 min

Lab File: VY023160.D

Acq: 19 Aug 2025 19:08

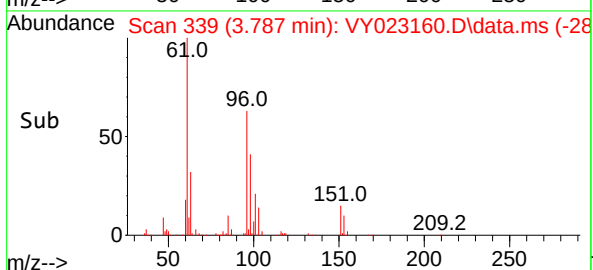
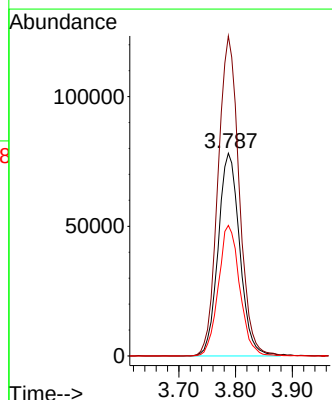
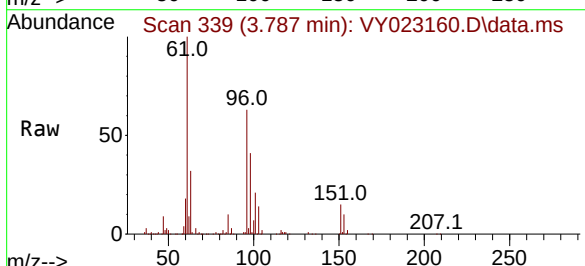
Tgt Ion: 96 Resp: 206109

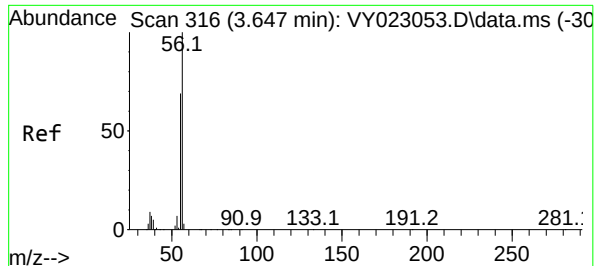
Ion Ratio Lower Upper

96 100

61 157.9 129.4 194.2

98 64.4 52.8 79.2





#13

Acrolein

Concen: 110.581 ug/l

RT: 3.647 min Scan# 316

Delta R.T. 0.000 min

Lab File: VY023160.D

Acq: 19 Aug 2025 19:08

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 56 Resp: 4800

Ion Ratio Lower Upper

56 100

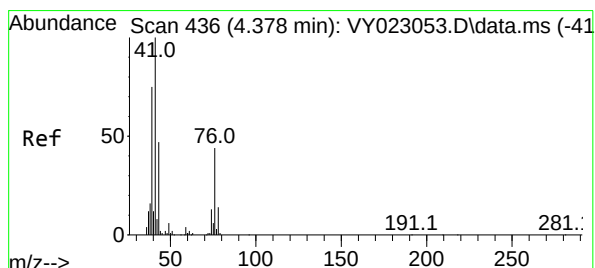
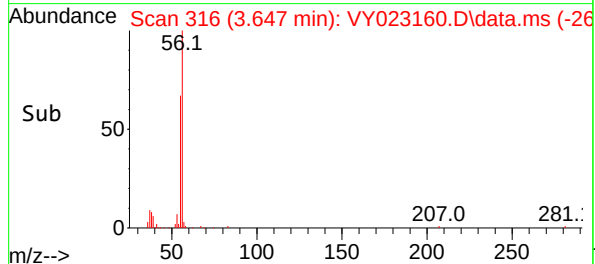
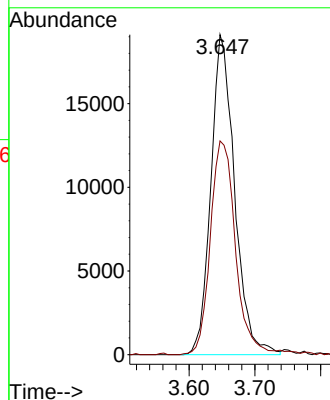
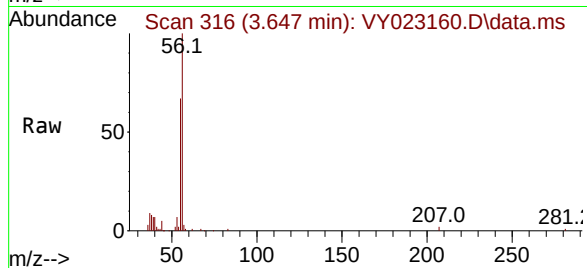
55 71.1 55.2 82.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/20/2025

Supervised By :Mahesh Dadoda 08/20/2025



#14

Allyl chloride

Concen: 44.800 ug/l

RT: 4.378 min Scan# 436

Delta R.T. 0.000 min

Lab File: VY023160.D

Acq: 19 Aug 2025 19:08

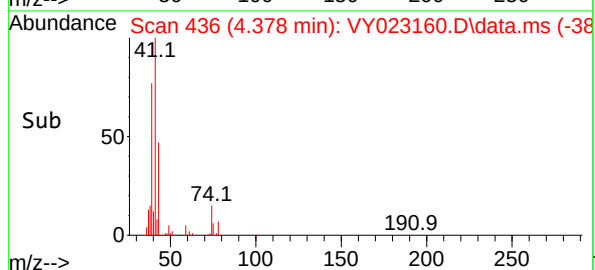
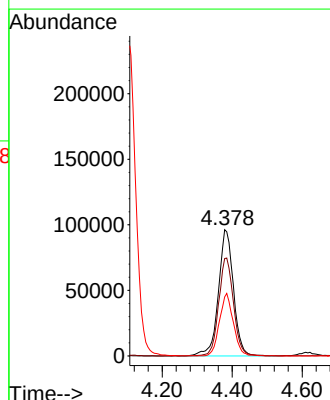
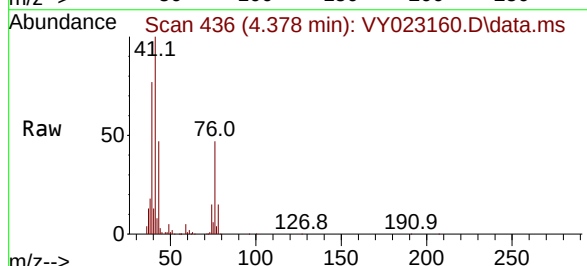
Tgt Ion: 41 Resp: 288345

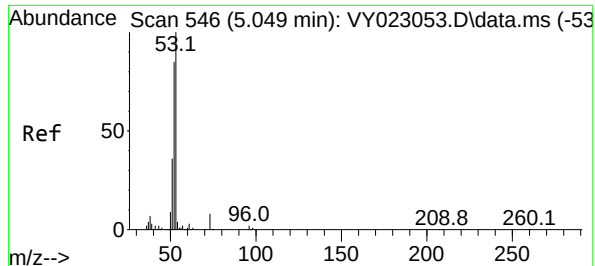
Ion Ratio Lower Upper

41 100

39 76.3 59.8 89.6

76 45.6 33.7 50.5





#15

Acrylonitrile

Concen: 235.673 ug/l

RT: 5.049 min Scan# 546

Delta R.T. 0.000 min

Lab File: VY023160.D

Acq: 19 Aug 2025 19:08

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 53 Resp: 22865

Ion Ratio Lower Upper

53 100

52 79.4 65.3 97.9

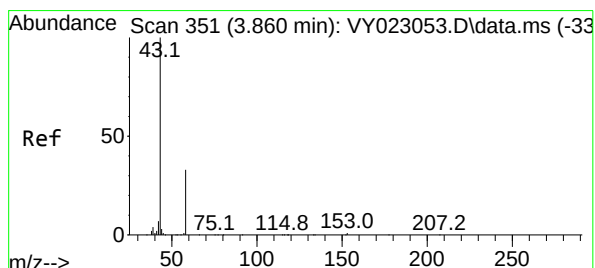
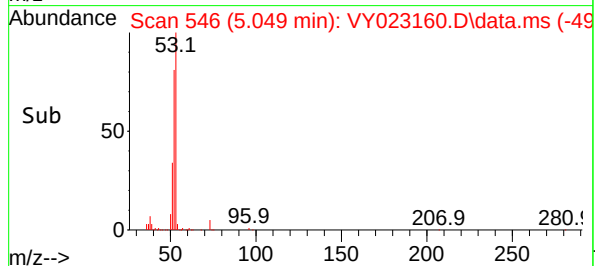
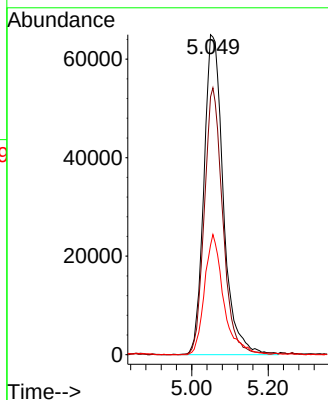
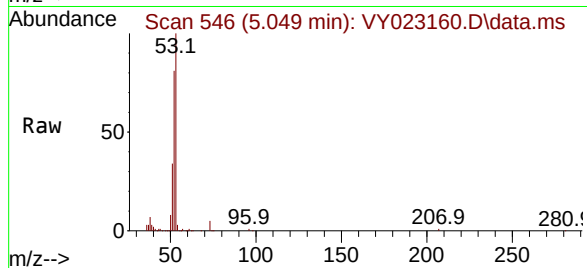
51 37.0 29.5 44.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/20/2025

Supervised By :Mahesh Dadoda 08/20/2025



#16

Acetone

Concen: 187.073 ug/l

RT: 3.866 min Scan# 352

Delta R.T. 0.006 min

Lab File: VY023160.D

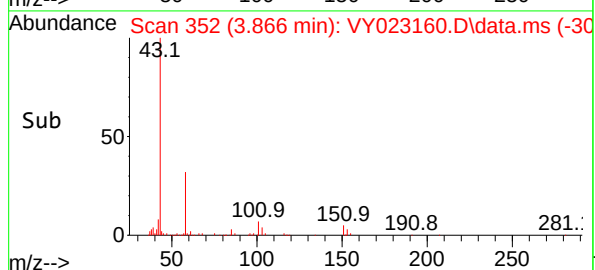
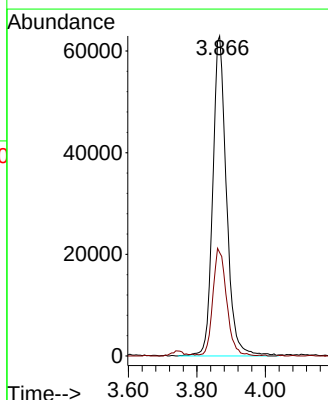
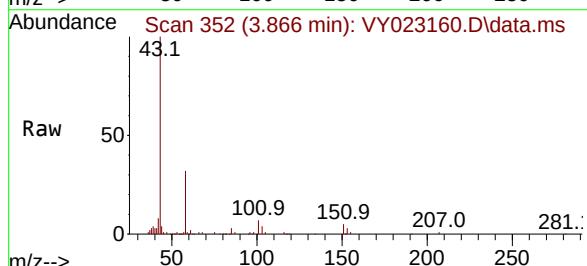
Acq: 19 Aug 2025 19:08

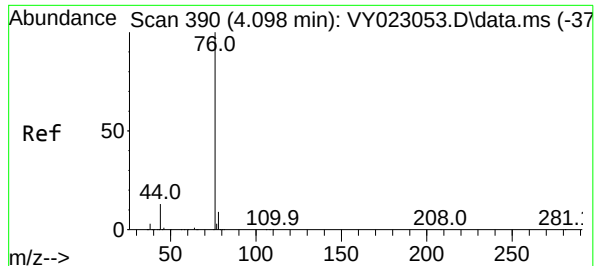
Tgt Ion: 43 Resp: 175331

Ion Ratio Lower Upper

43 100

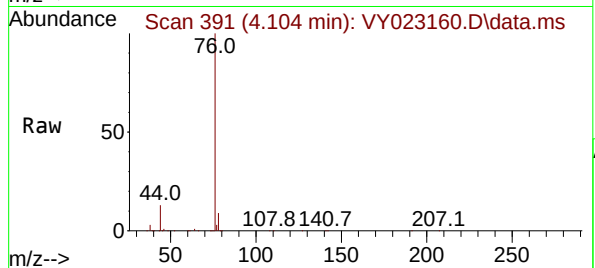
58 32.1 27.1 40.7





#17
Carbon Disulfide
Concen: 46.066 ug/l
RT: 4.104 min Scan# 391
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

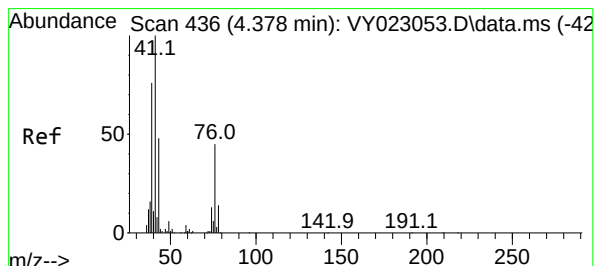
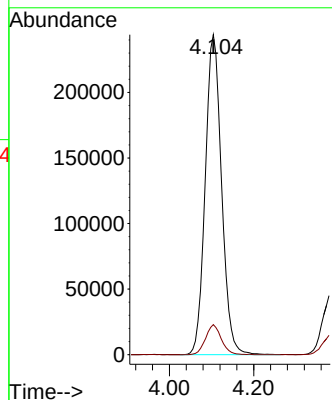
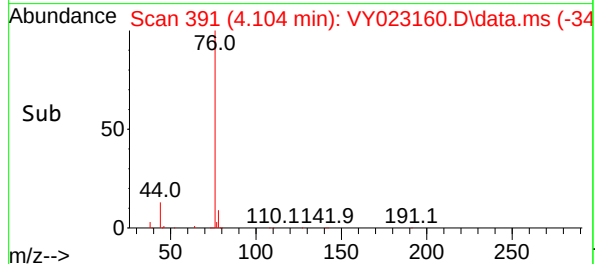
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC



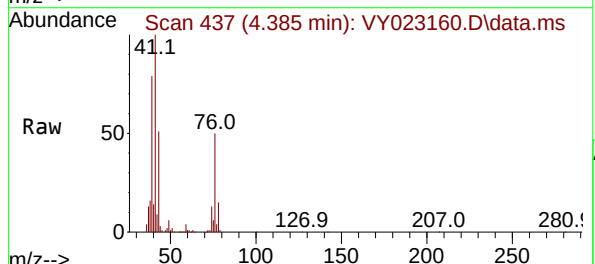
Tgt Ion: 76 Resp: 657020
Ion Ratio Lower Upper
76 100
78 9.4 7.4 11.2

Manual Integrations
APPROVED

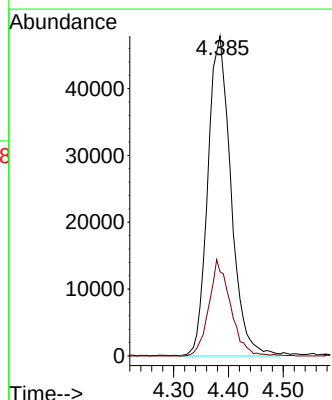
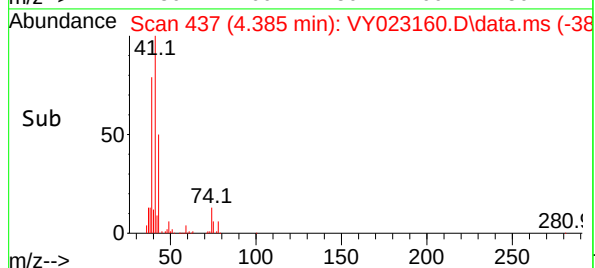
Reviewed By :John Carlone 08/20/2025
Supervised By :Mahesh Dadoda 08/20/2025

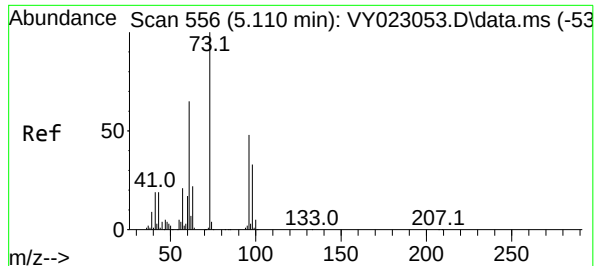


#18
Methyl Acetate
Concen: 50.290 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08



Tgt Ion: 43 Resp: 140261
Ion Ratio Lower Upper
43 100
74 28.1 21.2 31.8





#19

Methyl tert-butyl Ether

Concen: 47.480 ug/l

RT: 5.116 min Scan# 51

Delta R.T. 0.006 min

Lab File: VY023160.D

Acq: 19 Aug 2025 19:08

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 73 Resp: 53816

Ion Ratio Lower Upper

73 100

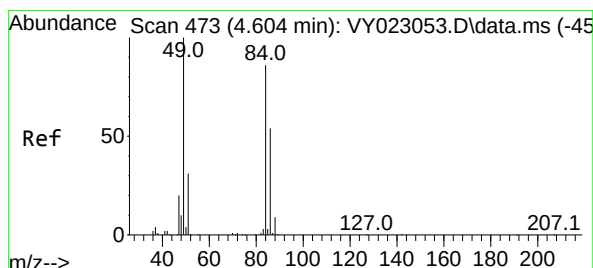
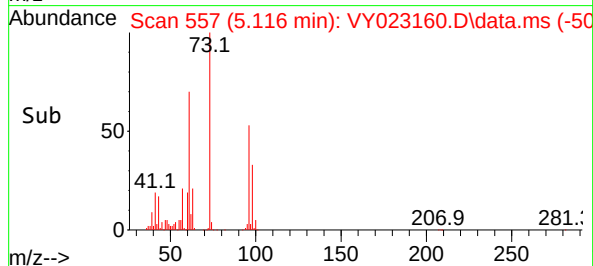
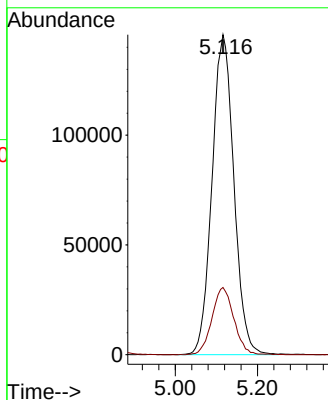
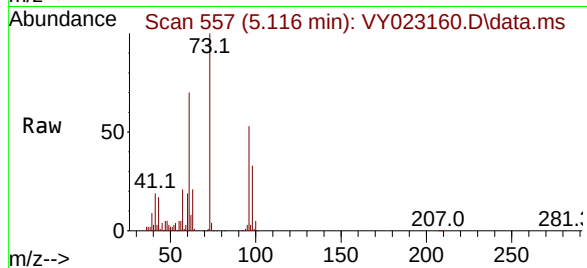
57 21.0 17.1 25.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/20/2025

Supervised By :Mahesh Dadoda 08/20/2025



#20

Methylene Chloride

Concen: 50.247 ug/l

RT: 4.610 min Scan# 474

Delta R.T. 0.006 min

Lab File: VY023160.D

Acq: 19 Aug 2025 19:08

Tgt Ion: 84 Resp: 244646

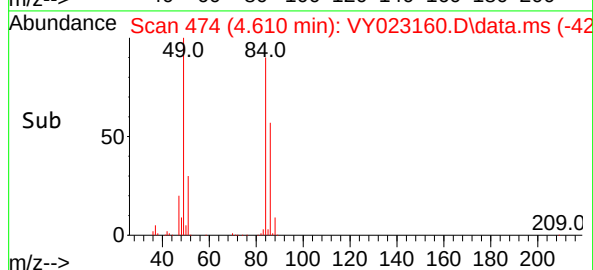
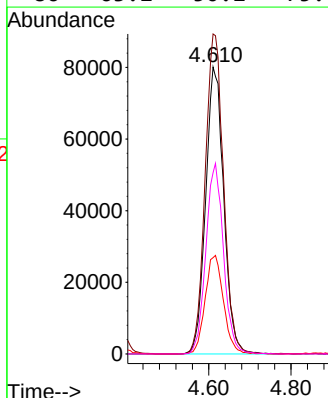
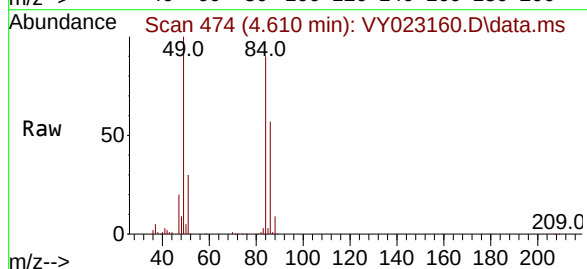
Ion Ratio Lower Upper

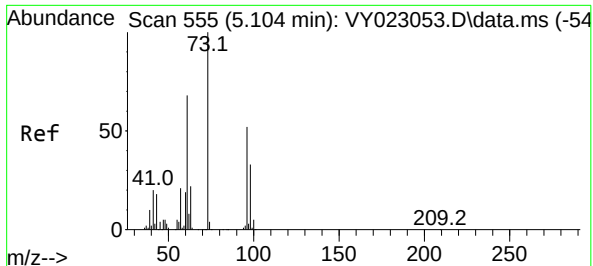
84 100

49 111.5 93.0 139.6

51 33.6 29.0 43.4

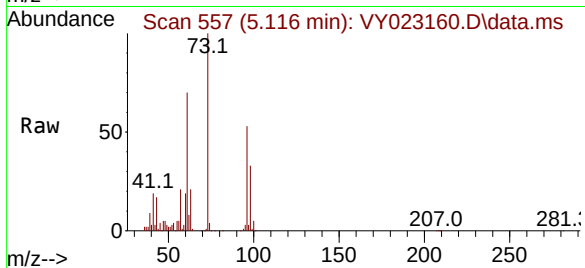
86 63.2 50.2 75.4





#21
trans-1,2-Dichloroethene
Concen: 50.119 ug/l
RT: 5.116 min Scan# 511
Delta R.T. 0.012 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

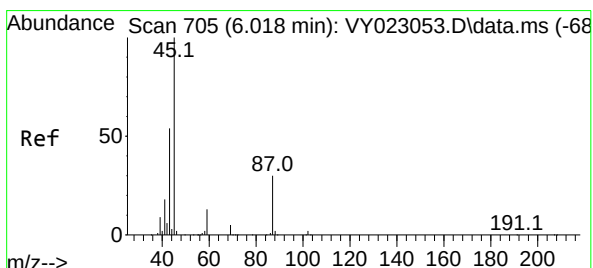
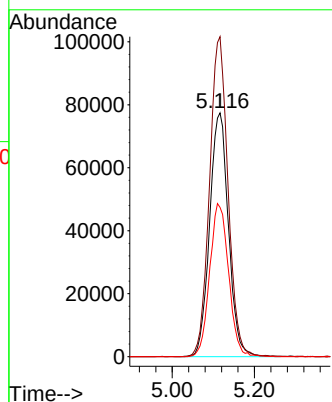
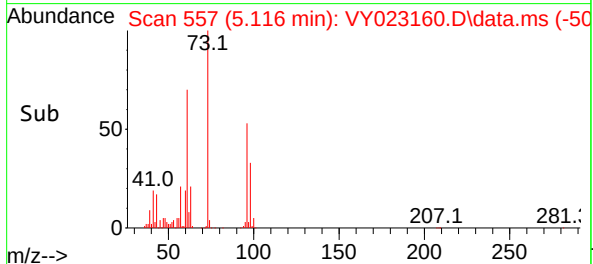
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC



Tgt Ion: 96 Resp: 24636
Ion Ratio Lower Upper
96 100
61 131.2 104.8 157.2
98 61.2 50.1 75.1

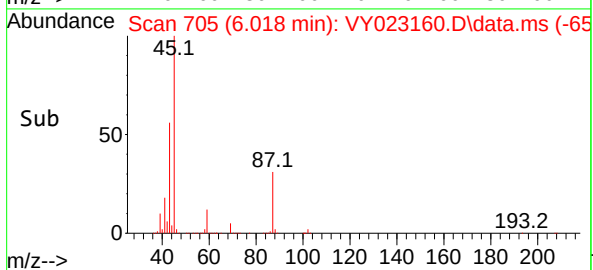
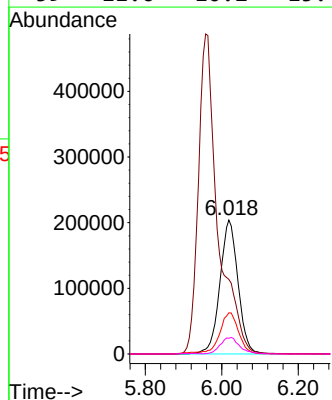
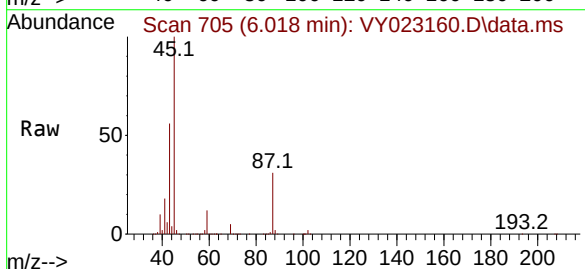
Manual Integrations
APPROVED

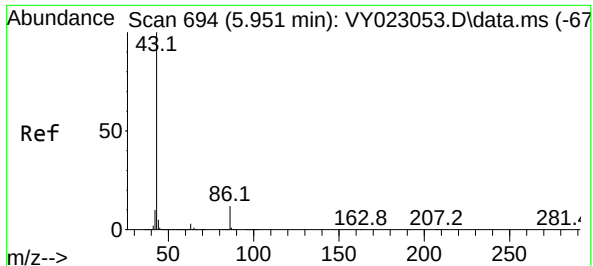
Reviewed By :John Carlone 08/20/2025
Supervised By :Mahesh Dadoda 08/20/2025



#22
Diisopropyl ether
Concen: 47.919 ug/l
RT: 6.018 min Scan# 705
Delta R.T. 0.000 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion: 45 Resp: 670200
Ion Ratio Lower Upper
45 100
43 55.5 43.4 65.0
87 30.7 24.4 36.6
59 11.6 10.2 15.4





#23

Vinyl Acetate

Concen: 223.289 ug/l

RT: 5.957 min Scan# 694

Delta R.T. 0.006 min

Lab File: VY023160.D

Acq: 19 Aug 2025 19:08

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 172682

Ion Ratio Lower Upper

43 100

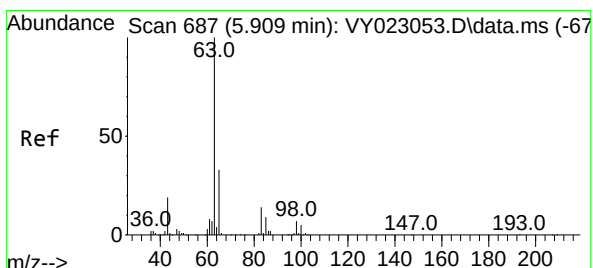
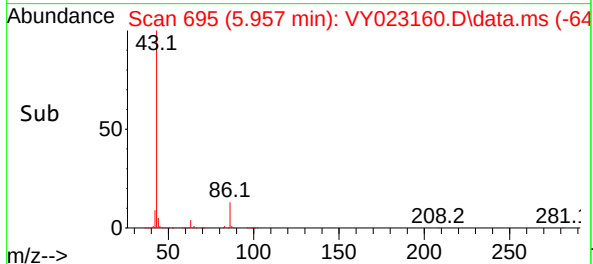
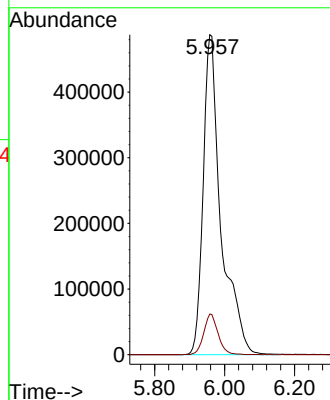
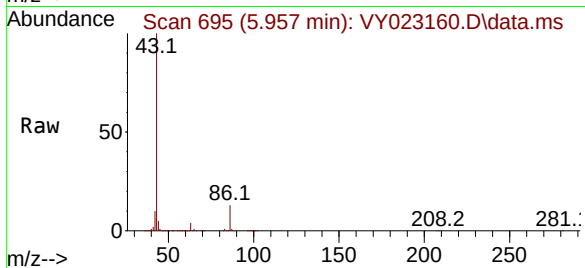
86 12.7 9.6 14.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/20/2025

Supervised By :Mahesh Dadoda 08/20/2025



#24

1,1-Dichloroethane

Concen: 49.522 ug/l

RT: 5.915 min Scan# 688

Delta R.T. 0.006 min

Lab File: VY023160.D

Acq: 19 Aug 2025 19:08

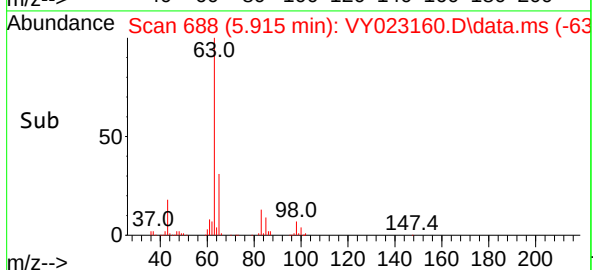
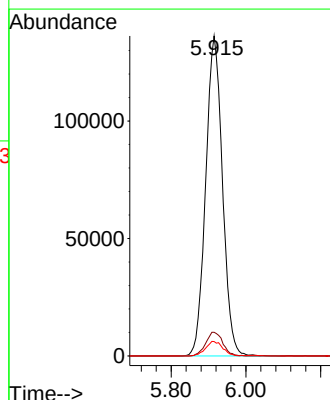
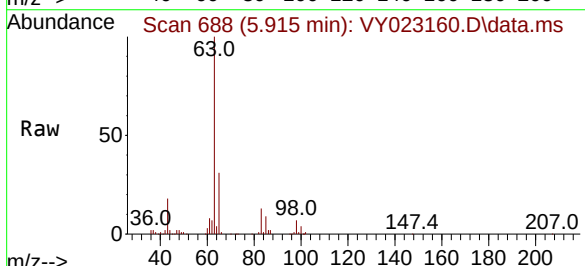
Tgt Ion: 63 Resp: 423462

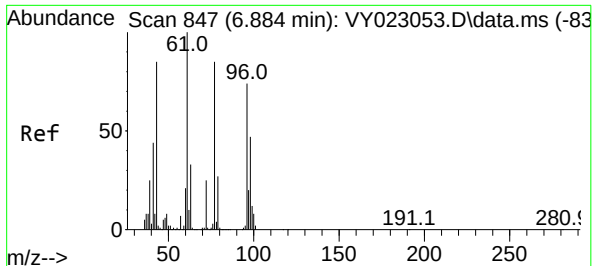
Ion Ratio Lower Upper

63 100

98 7.4 3.5 10.6

100 4.5 2.4 7.1





#25

2-Butanone

Concen: 210.456 ug/l

RT: 6.896 min Scan# 849

Delta R.T. 0.012 min

Lab File: VY023160.D

Acq: 19 Aug 2025 19:08

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 268264

Ion Ratio Lower Upper

43 100

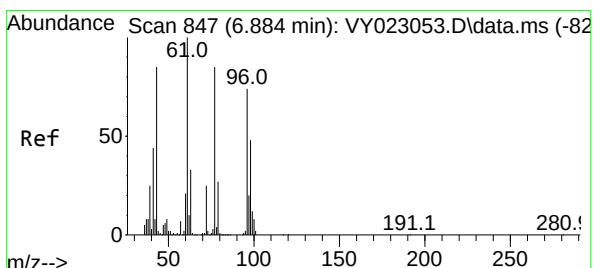
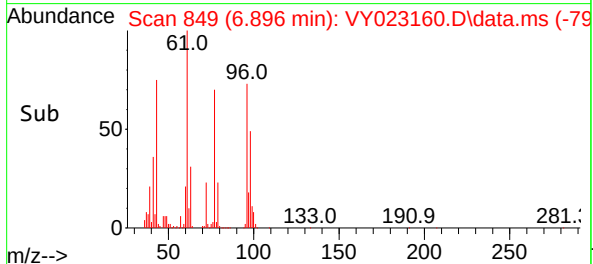
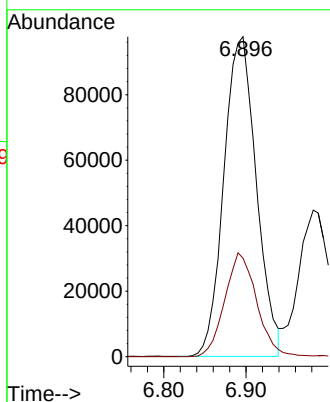
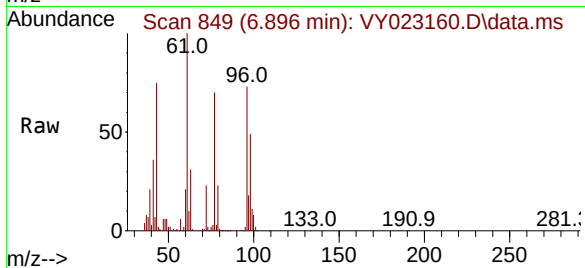
72 30.8 23.5 35.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/20/2025

Supervised By :Mahesh Dadoda 08/20/2025



#26

2,2-Dichloropropane

Concen: 44.729 ug/l

RT: 6.884 min Scan# 847

Delta R.T. 0.000 min

Lab File: VY023160.D

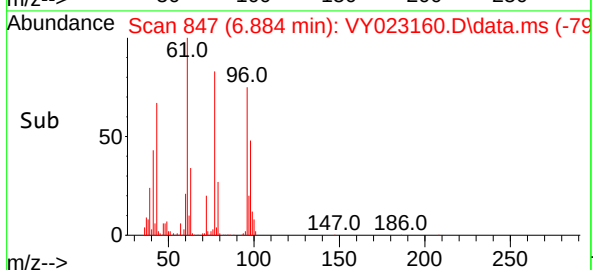
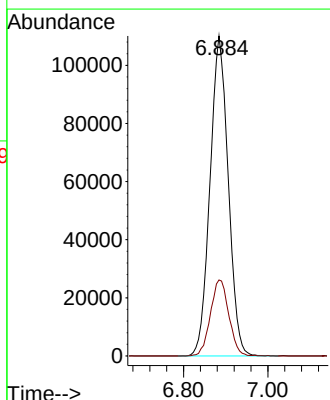
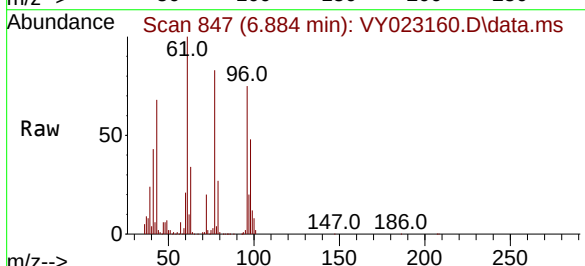
Acq: 19 Aug 2025 19:08

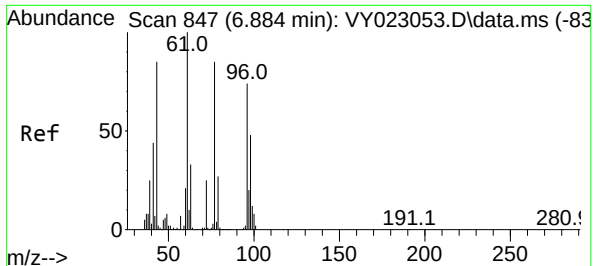
Tgt Ion: 77 Resp: 330025

Ion Ratio Lower Upper

77 100

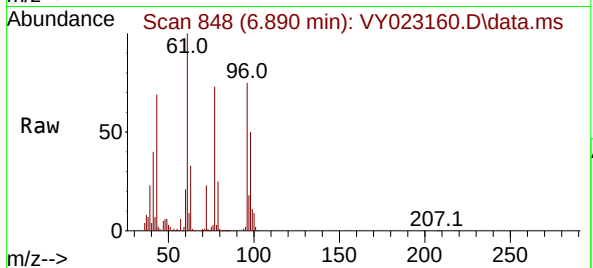
97 24.0 11.6 34.8





#27
cis-1,2-Dichloroethene
Concen: 50.390 ug/l
RT: 6.890 min Scan# 847
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

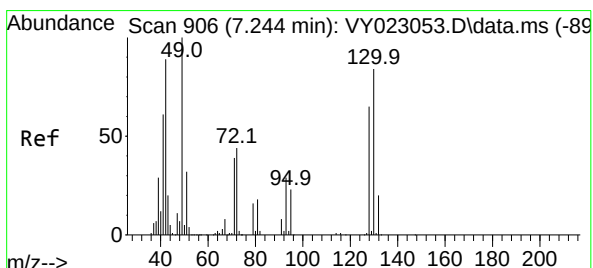
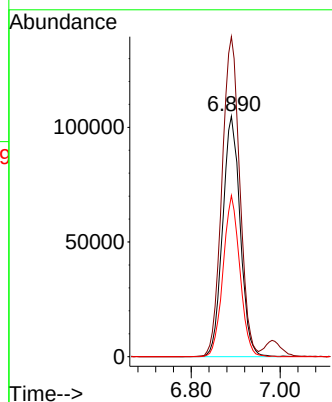
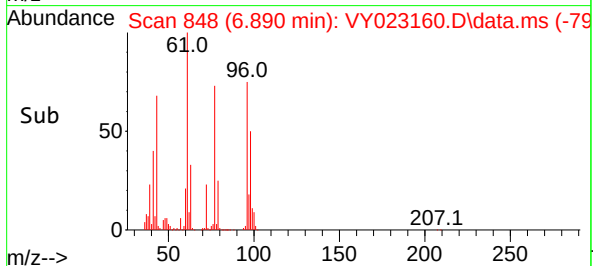
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC



Tgt Ion: 96 Resp: 28635
Ion Ratio Lower Upper
96 100
61 135.0 0.0 278.6
98 64.2 0.0 130.4

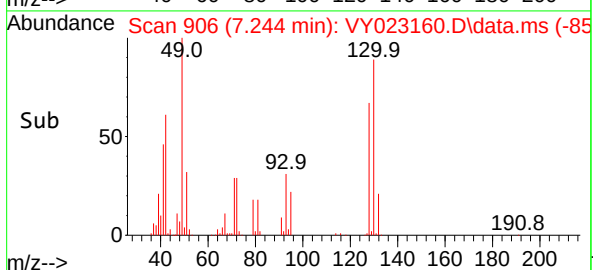
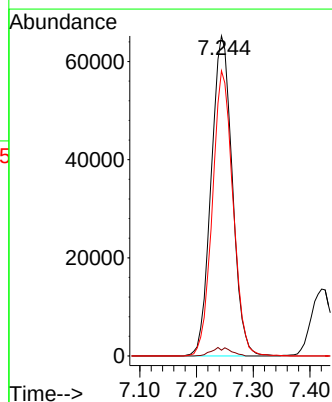
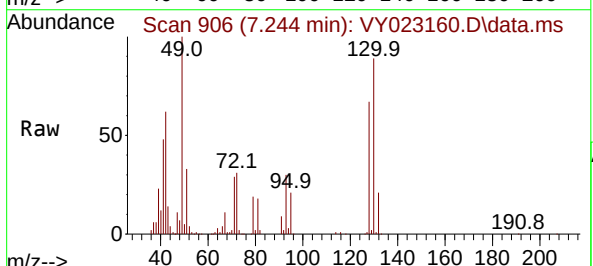
Manual Integrations
APPROVED

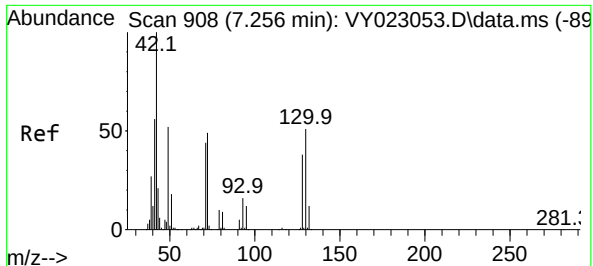
Reviewed By :John Carlone 08/20/2025
Supervised By :Mahesh Dadoda 08/20/2025



#28
Bromochloromethane
Concen: 49.712 ug/l
RT: 7.244 min Scan# 906
Delta R.T. 0.000 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion: 49 Resp: 168646
Ion Ratio Lower Upper
49 100
129 2.5 0.0 4.2
130 87.0 66.4 99.6





#29

Tetrahydrofuran

Concen: 223.965 ug/l

RT: 7.256 min Scan# 908

Delta R.T. 0.000 min

Lab File: VY023160.D

Acq: 19 Aug 2025 19:08

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 42 Resp: 176959

Ion Ratio Lower Upper

42 100

72 51.0 39.4 59.2

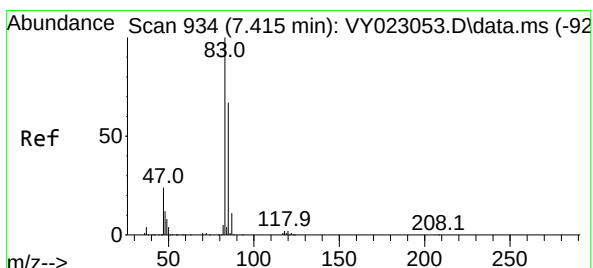
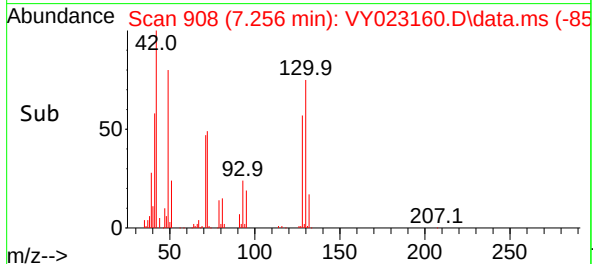
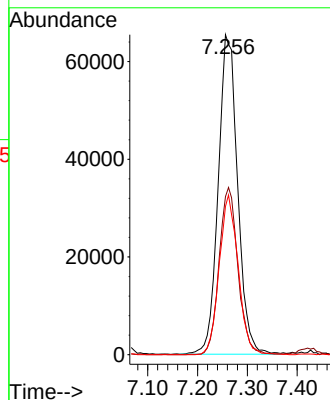
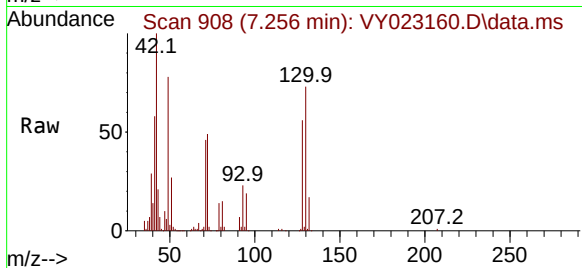
71 48.7 36.5 54.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/20/2025

Supervised By :Mahesh Dadoda 08/20/2025



#30

Chloroform

Concen: 50.699 ug/l

RT: 7.421 min Scan# 935

Delta R.T. 0.006 min

Lab File: VY023160.D

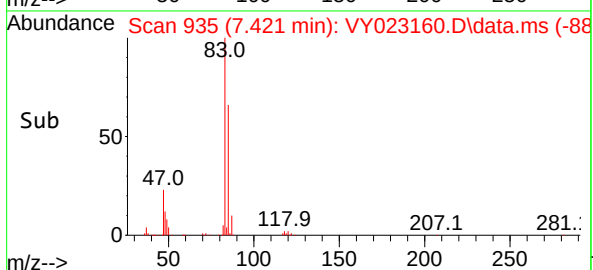
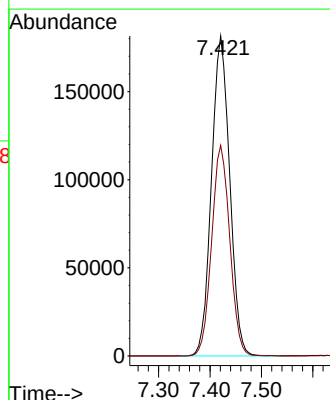
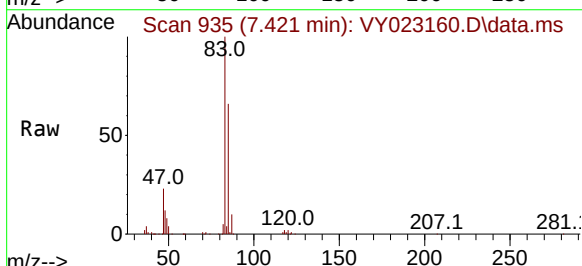
Acq: 19 Aug 2025 19:08

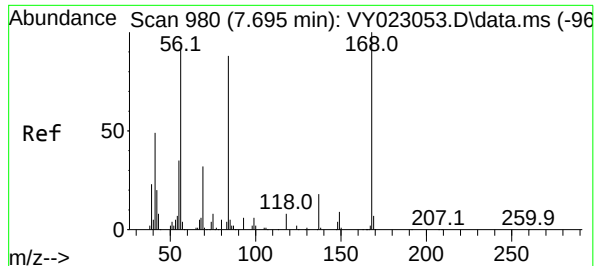
Tgt Ion: 83 Resp: 447102

Ion Ratio Lower Upper

83 100

85 65.8 53.8 80.8





#31

Cyclohexane

Concen: 42.047 ug/l

RT: 7.701 min Scan# 981

Delta R.T. 0.006 min

Lab File: VY023160.D

Acq: 19 Aug 2025 19:08

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 56 Resp: 33881

Ion Ratio Lower Upper

56 100

69 35.4 28.2 42.2

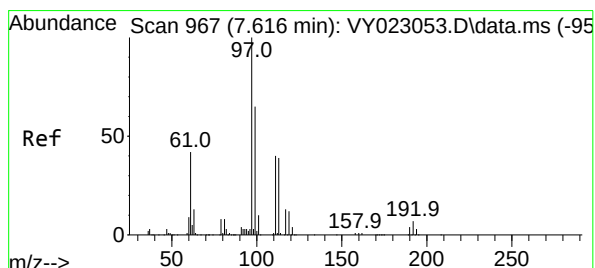
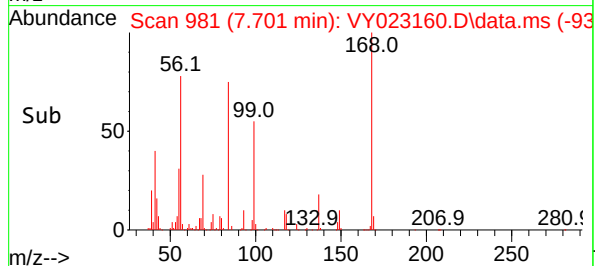
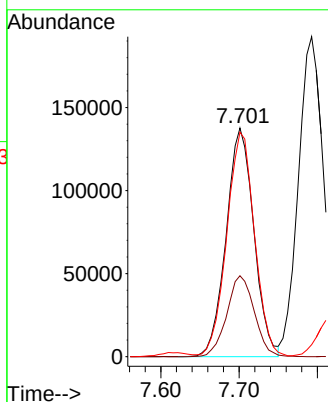
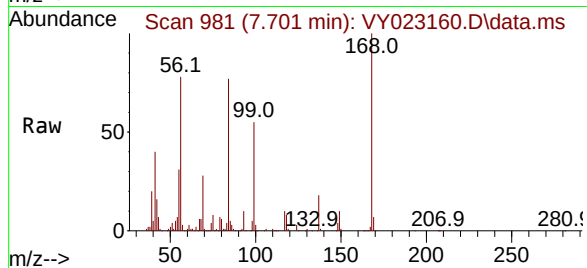
84 96.4 76.6 114.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/20/2025

Supervised By :Mahesh Dadoda 08/20/2025



#32

1,1,1-Trichloroethane

Concen: 49.443 ug/l

RT: 7.616 min Scan# 967

Delta R.T. 0.000 min

Lab File: VY023160.D

Acq: 19 Aug 2025 19:08

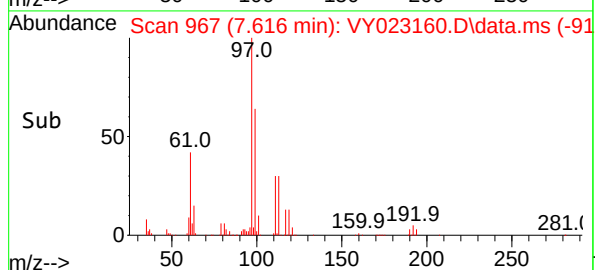
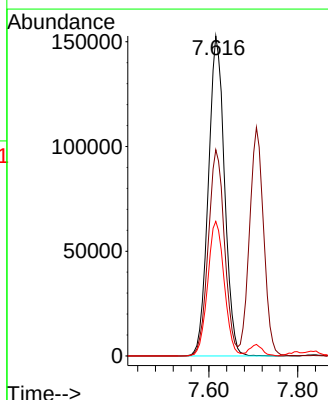
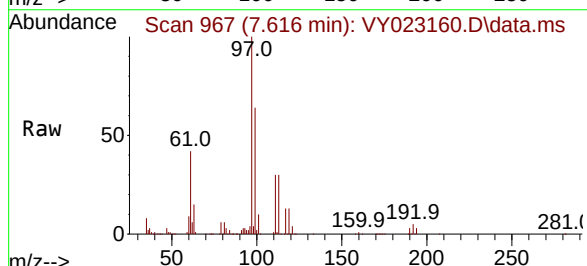
Tgt Ion: 97 Resp: 386894

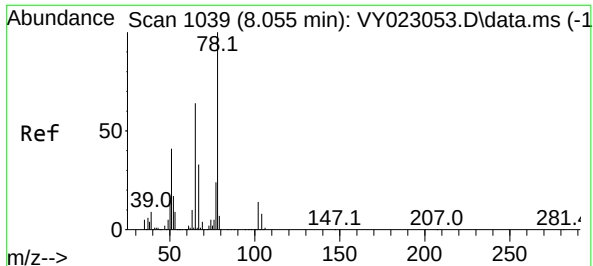
Ion Ratio Lower Upper

97 100

99 64.8 51.6 77.4

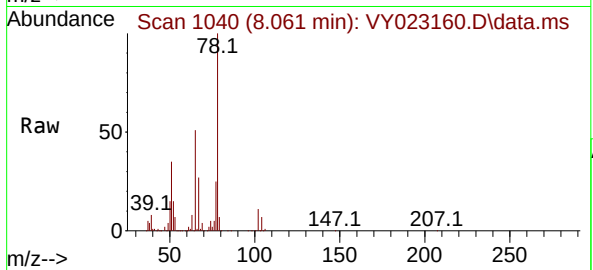
61 42.9 34.2 51.2





#33
1,2-Dichloroethane-d4
Concen: 49.322 ug/l
RT: 8.061 min Scan# 1109
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

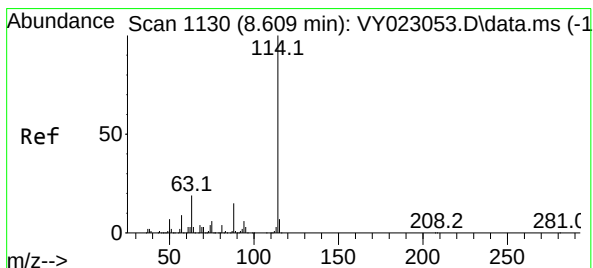
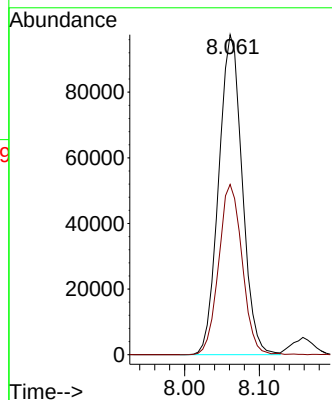
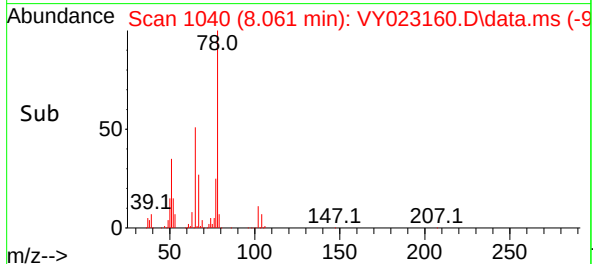
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC



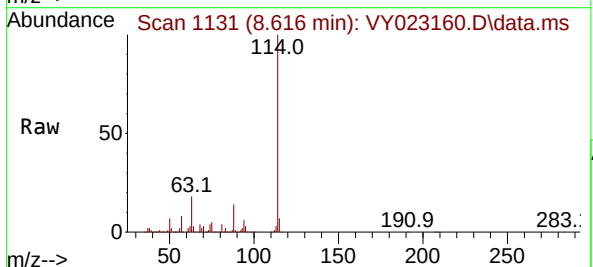
Tgt Ion: 65 Resp: 213379
Ion Ratio Lower Upper
65 100
67 53.0 0.0 106.8

Manual Integrations
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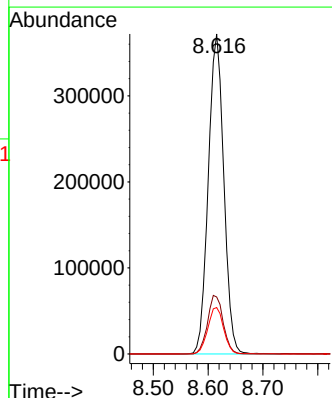
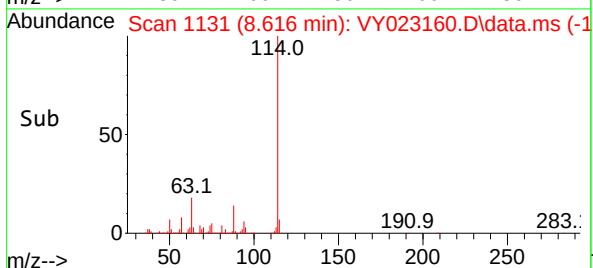
Reviewed By :John Carlone 08/20/2025
Supervised By :Mahesh Dadoda 08/20/2025

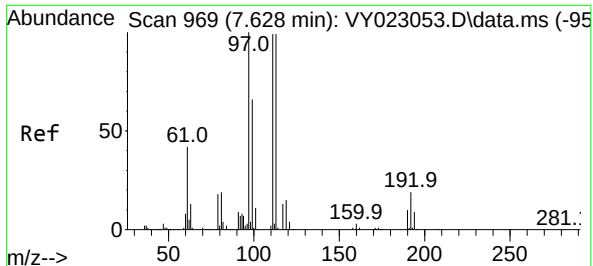


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08



Tgt Ion:114 Resp: 726912
Ion Ratio Lower Upper
114 100
63 17.8 0.0 38.4
88 14.5 0.0 30.0





#35

Dibromofluoromethane

Concen: 49.903 ug/l

RT: 7.634 min Scan# 91

Delta R.T. 0.006 min

Lab File: VY023160.D

Acq: 19 Aug 2025 19:08

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tgt Ion:113 Resp: 217058

Ion Ratio Lower Upper

113 100

111 102.8 81.1 121.7

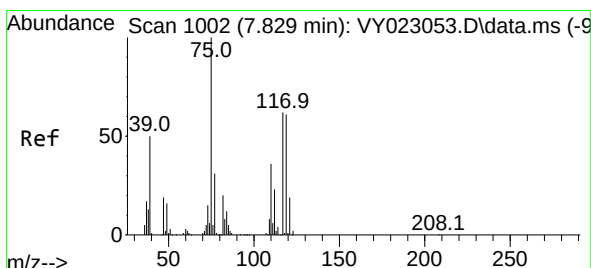
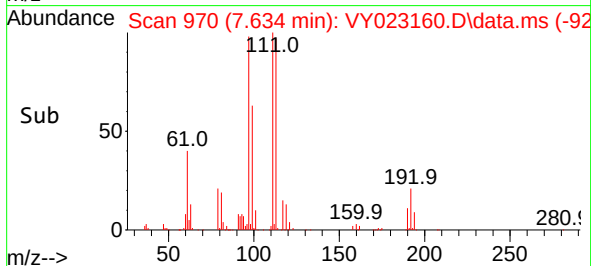
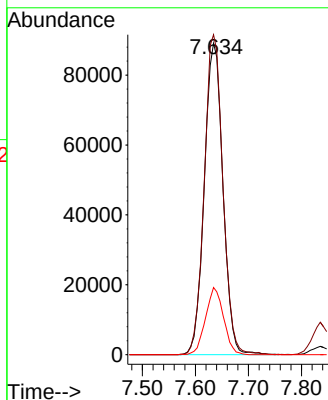
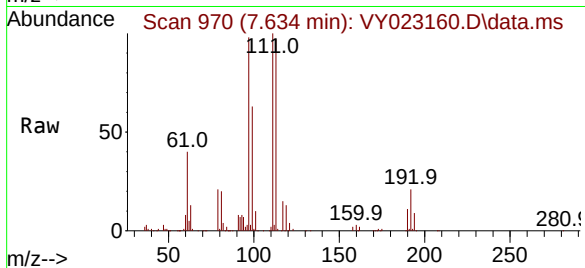
192 20.9 16.2 24.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/20/2025

Supervised By :Mahesh Dadoda 08/20/2025



#36

1,1-Dichloropropene

Concen: 47.746 ug/l

RT: 7.835 min Scan# 1003

Delta R.T. 0.006 min

Lab File: VY023160.D

Acq: 19 Aug 2025 19:08

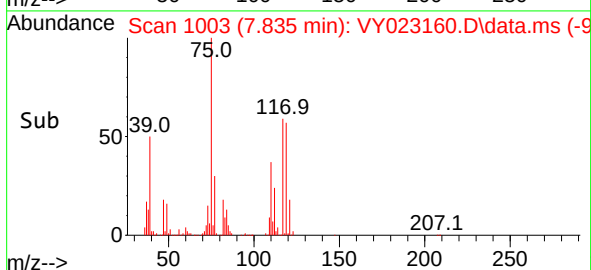
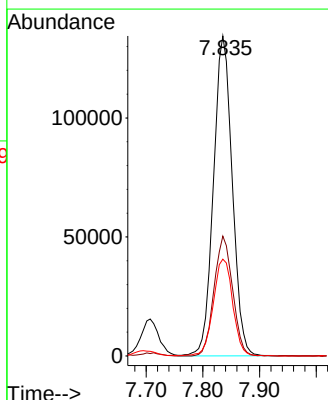
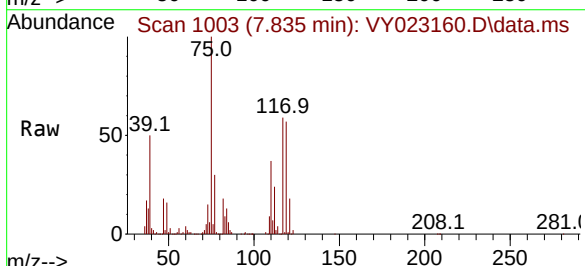
Tgt Ion: 75 Resp: 308640

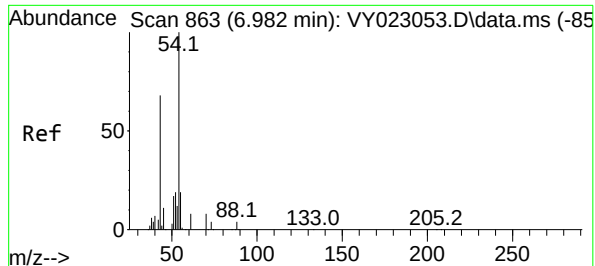
Ion Ratio Lower Upper

75 100

110 37.0 18.1 54.4

77 31.4 24.6 37.0





#37

Ethyl Acetate

Concen: 44.444 ug/l

RT: 6.982 min Scan# 80

Delta R.T. 0.000 min

Lab File: VY023160.D

Acq: 19 Aug 2025 19:08

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 12068

Ion Ratio Lower Upper

43 100

61 14.9 11.9 17.9

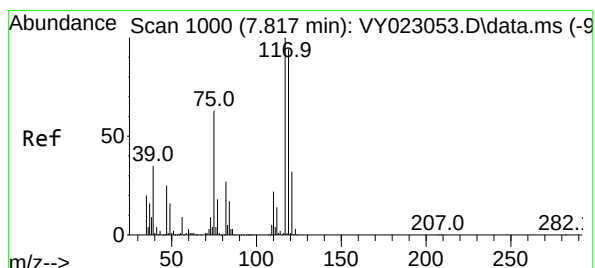
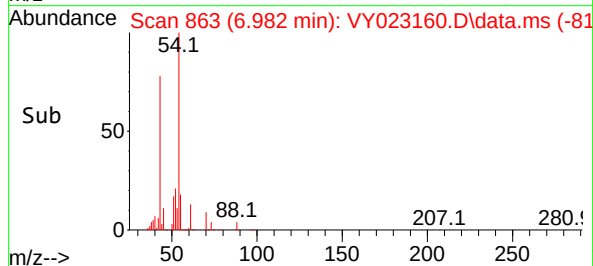
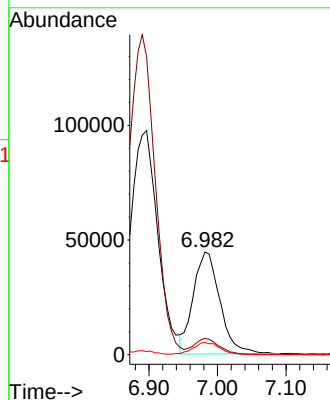
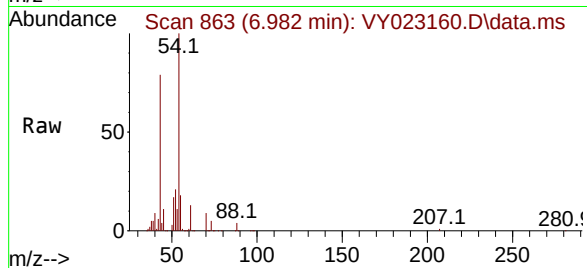
70 12.3 8.8 13.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/20/2025

Supervised By :Mahesh Dadoda 08/20/2025



#38

Carbon Tetrachloride

Concen: 48.612 ug/l

RT: 7.817 min Scan# 1000

Delta R.T. 0.000 min

Lab File: VY023160.D

Acq: 19 Aug 2025 19:08

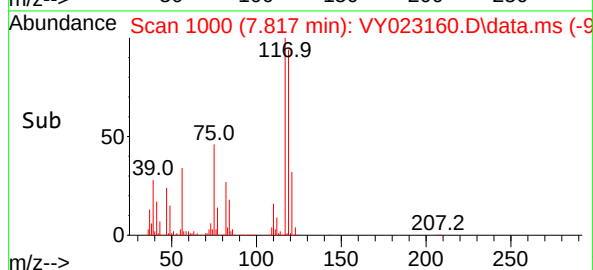
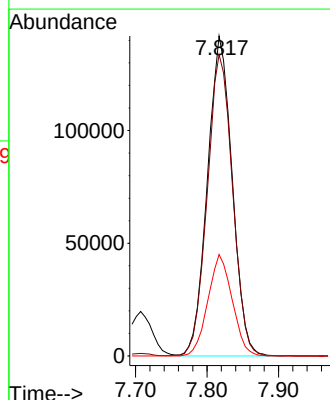
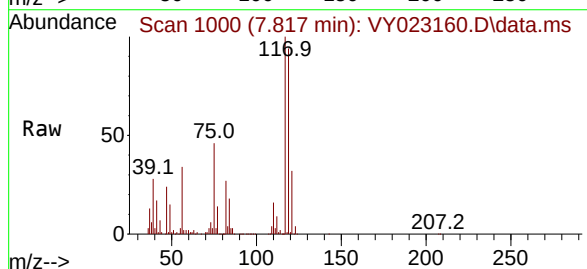
Tgt Ion:117 Resp: 341297

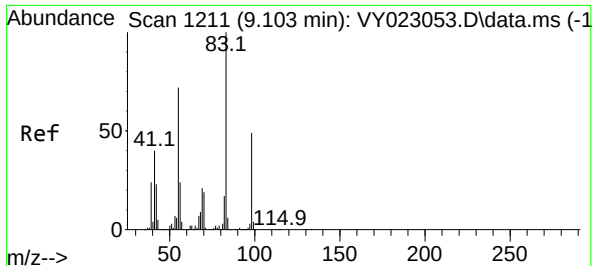
Ion Ratio Lower Upper

117 100

119 94.1 75.6 113.4

121 31.7 25.8 38.8





#39

Methylcyclohexane

Concen: 45.580 ug/l

RT: 9.109 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023160.D

Acq: 19 Aug 2025 19:08

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 83 Resp: 38799

Ion Ratio Lower Upper

83 100

55 66.2 57.6 86.4

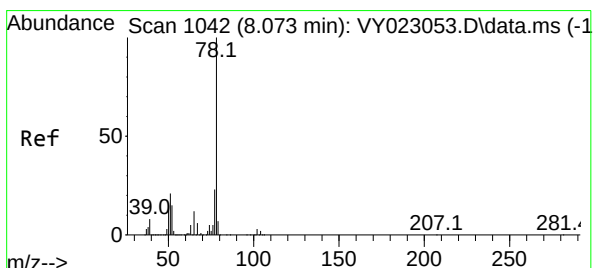
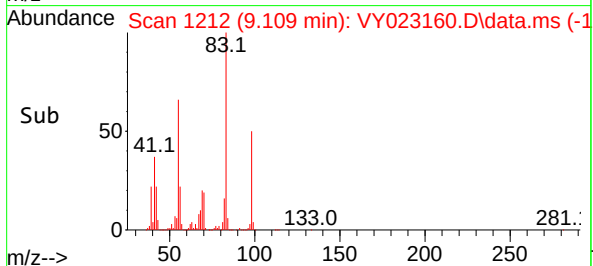
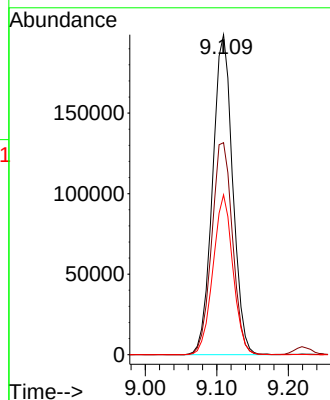
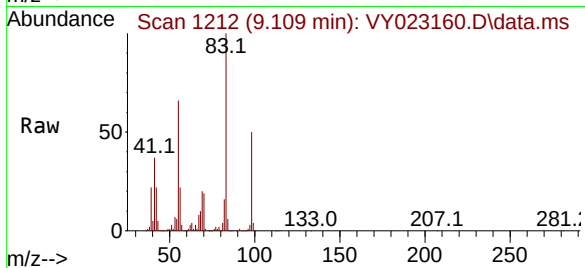
98 49.9 39.2 58.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/20/2025

Supervised By :Mahesh Dadoda 08/20/2025



#40

Benzene

Concen: 50.170 ug/l

RT: 8.079 min Scan# 1043

Delta R.T. 0.006 min

Lab File: VY023160.D

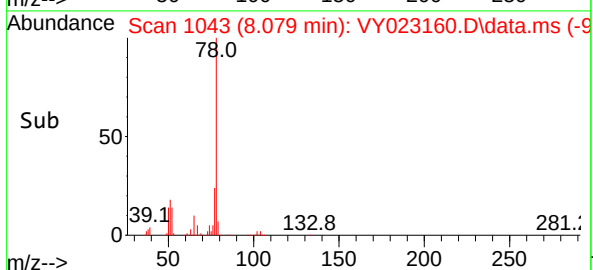
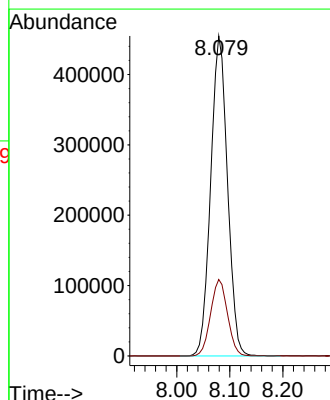
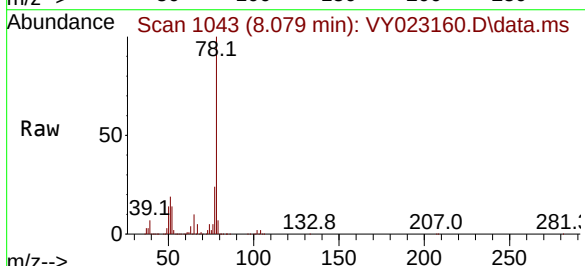
Acq: 19 Aug 2025 19:08

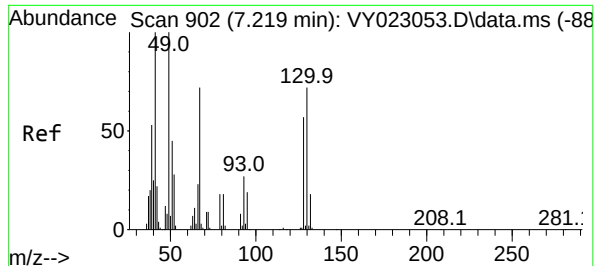
Tgt Ion: 78 Resp: 999546

Ion Ratio Lower Upper

78 100

77 23.9 18.6 28.0





#41

Methacrylonitrile

Concen: 41.877 ug/l

RT: 7.219 min Scan# 902

Delta R.T. 0.000 min

Lab File: VY023160.D

Acq: 19 Aug 2025 19:08

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 41 Resp: 65620

Ion Ratio Lower Upper

41 100

39 62.3 43.4 65.2

67 92.6 63.6 95.4

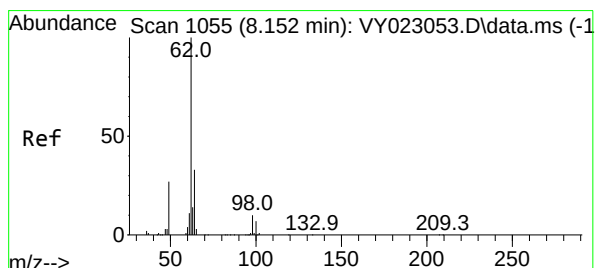
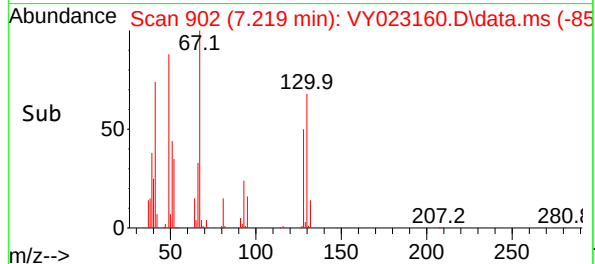
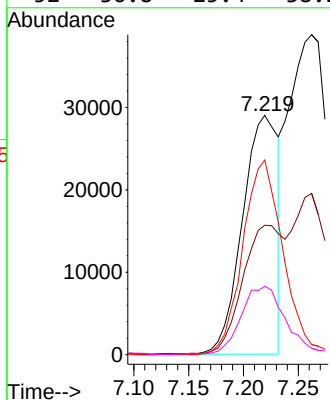
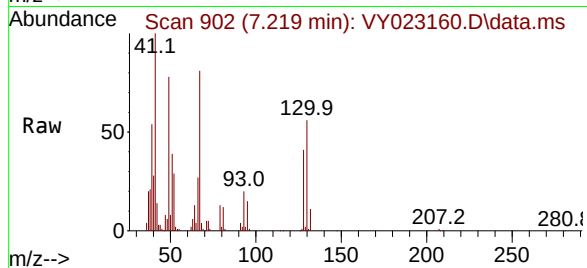
52 36.8 25.4 38.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/20/2025

Supervised By :Mahesh Dadoda 08/20/2025



#42

1,2-Dichloroethane

Concen: 48.835 ug/l

RT: 8.158 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VY023160.D

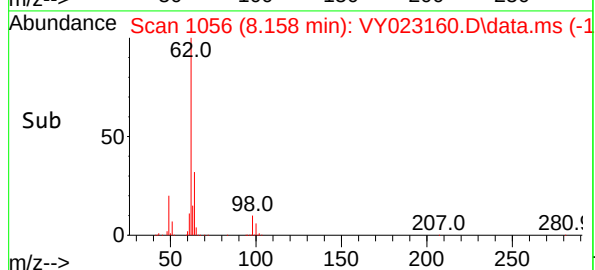
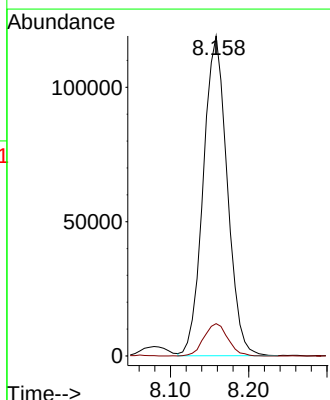
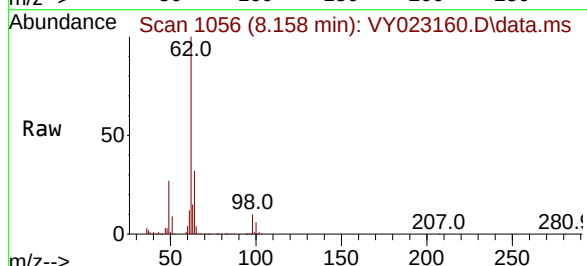
Acq: 19 Aug 2025 19:08

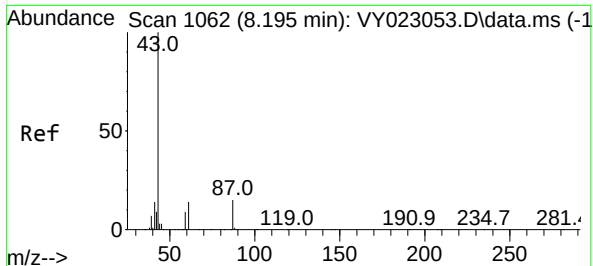
Tgt Ion: 62 Resp: 253049

Ion Ratio Lower Upper

62 100

98 10.1 0.0 20.6





#43

Isopropyl Acetate

Concen: 44.694 ug/l

RT: 8.195 min Scan# 1062

Delta R.T. 0.000 min

Lab File: VY023160.D

Acq: 19 Aug 2025 19:08

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 24529

Ion Ratio Lower Upper

43 100

61 22.2 16.4 24.6

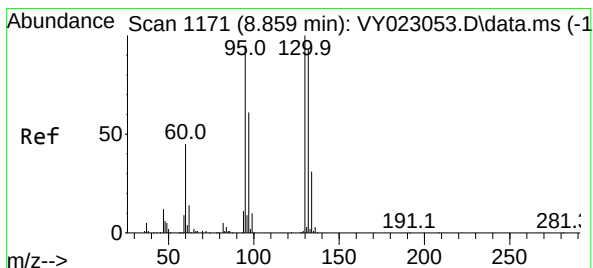
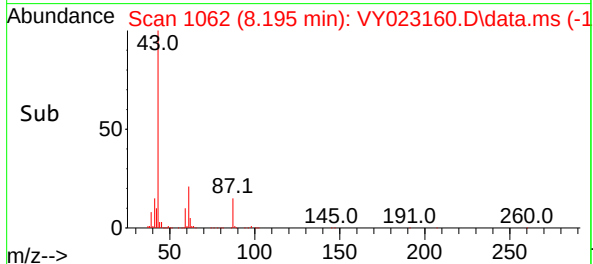
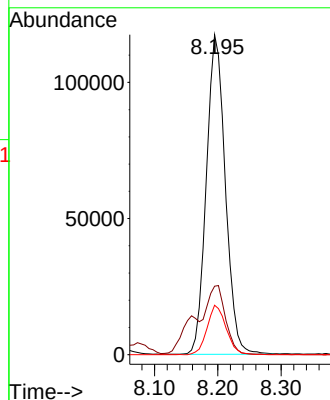
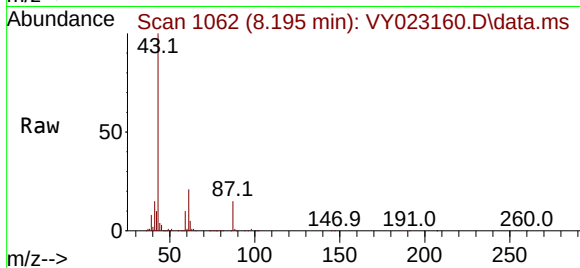
87 15.5 11.8 17.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/20/2025

Supervised By :Mahesh Dadoda 08/20/2025



#44

Trichloroethene

Concen: 51.782 ug/l

RT: 8.865 min Scan# 1172

Delta R.T. 0.006 min

Lab File: VY023160.D

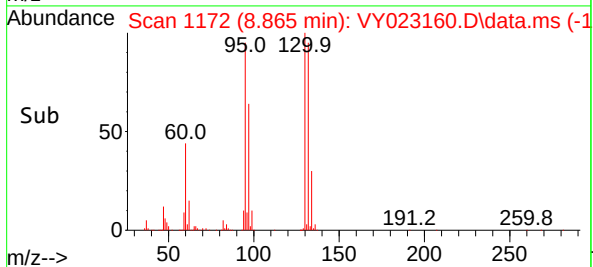
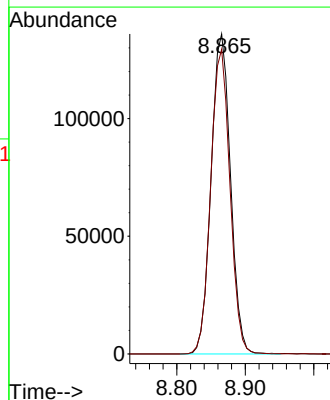
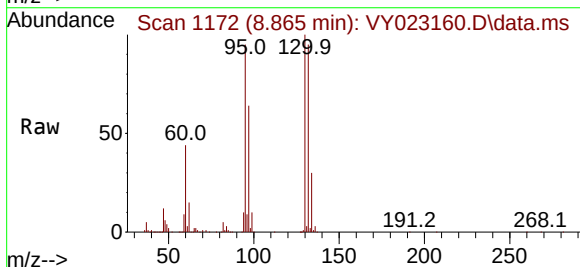
Acq: 19 Aug 2025 19:08

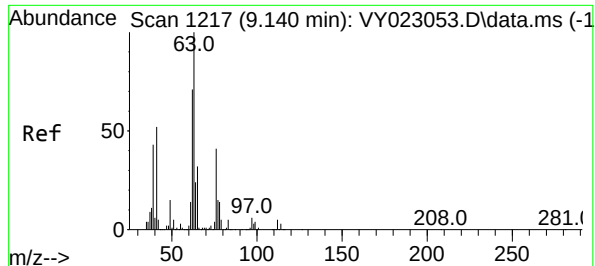
Tgt Ion:130 Resp: 266609

Ion Ratio Lower Upper

130 100

95 95.2 0.0 190.2





#45

1,2-Dichloropropane

Concen: 49.829 ug/l

RT: 9.140 min Scan# 1217

Delta R.T. 0.000 min

Lab File: VY023160.D

Acq: 19 Aug 2025 19:08

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 63 Resp: 22842

Ion Ratio Lower Upper

63 100

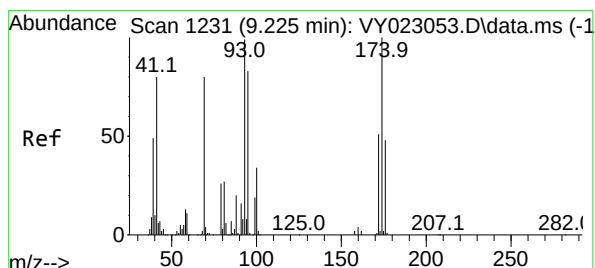
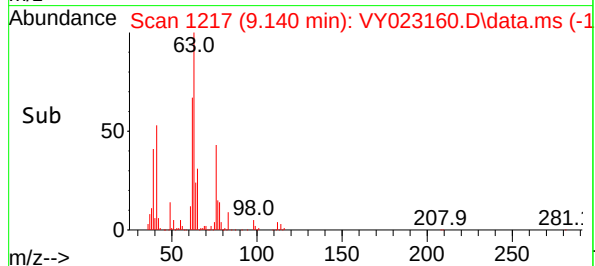
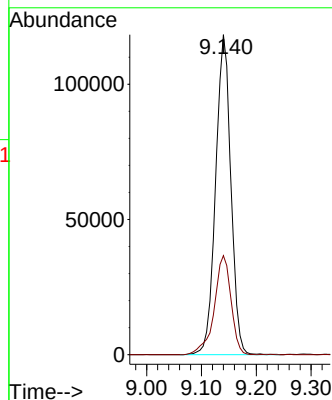
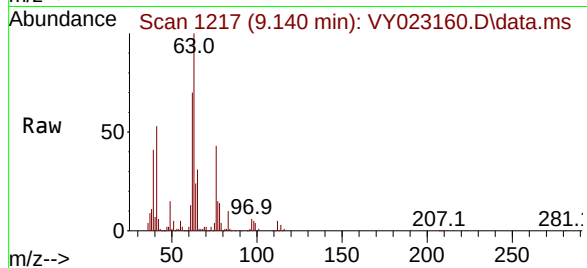
65 31.0 25.3 37.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/20/2025

Supervised By :Mahesh Dadoda 08/20/2025



#46

Dibromomethane

Concen: 49.971 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. 0.006 min

Lab File: VY023160.D

Acq: 19 Aug 2025 19:08

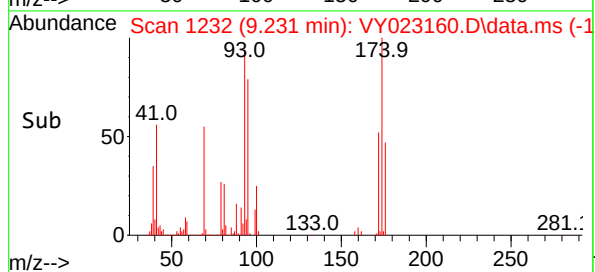
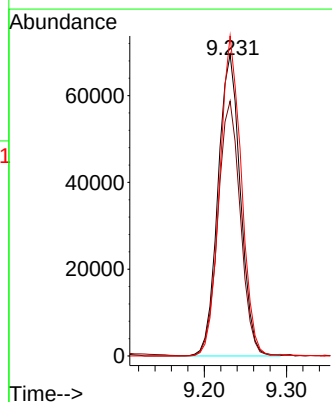
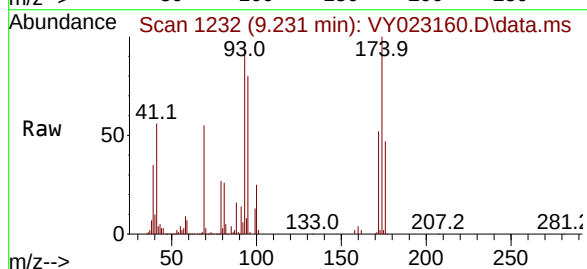
Tgt Ion: 93 Resp: 131481

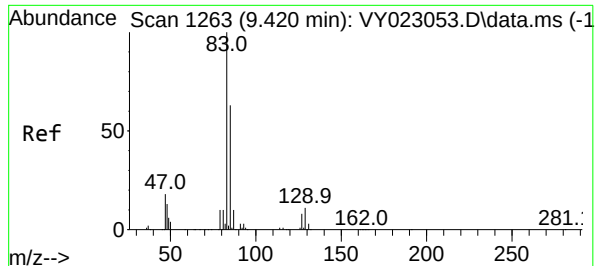
Ion Ratio Lower Upper

93 100

95 84.7 66.5 99.7

174 102.7 81.8 122.8





#47

Bromodichloromethane

Concen: 50.703 ug/l

RT: 9.420 min Scan# 1263

Delta R.T. 0.000 min

Lab File: VY023160.D

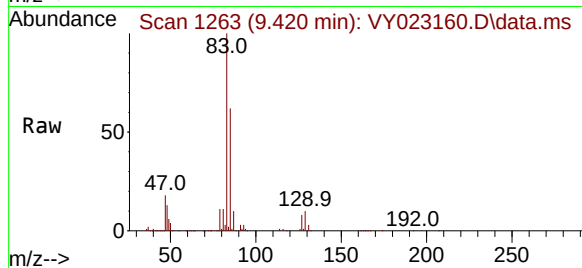
Acq: 19 Aug 2025 19:08

Instrument :

MSVOA_Y

ClientSampleId :

VSTDC050EC



Tgt Ion: 83 Resp: 343279

Ion Ratio Lower Upper

83 100

85 61.6 50.2 75.4

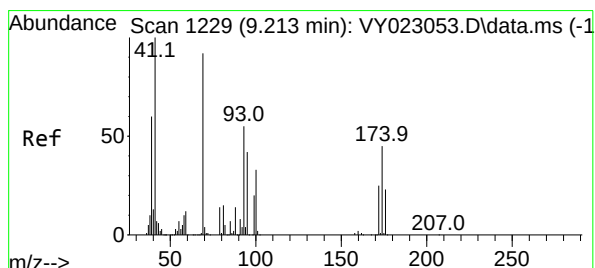
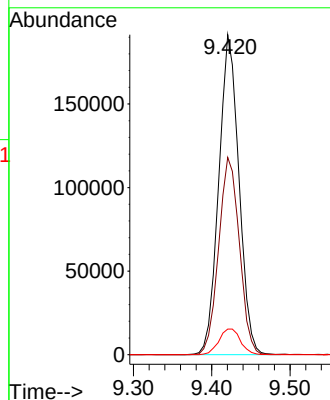
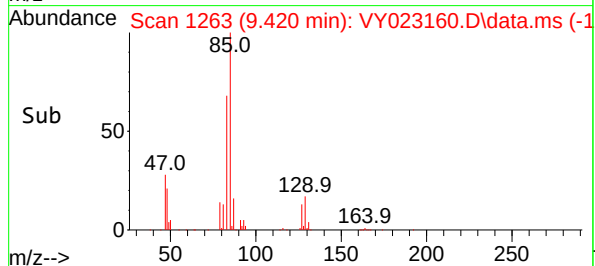
127 8.0 6.6 10.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/20/2025

Supervised By :Mahesh Dadoda 08/20/2025



#48

Methyl methacrylate

Concen: 45.021 ug/l

RT: 9.219 min Scan# 1230

Delta R.T. 0.006 min

Lab File: VY023160.D

Acq: 19 Aug 2025 19:08

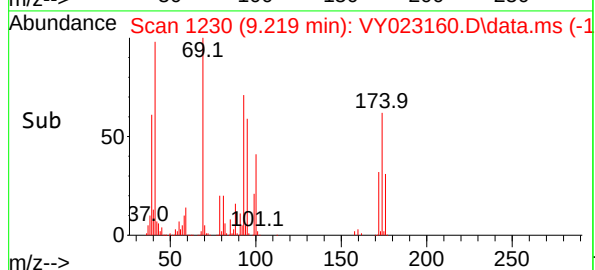
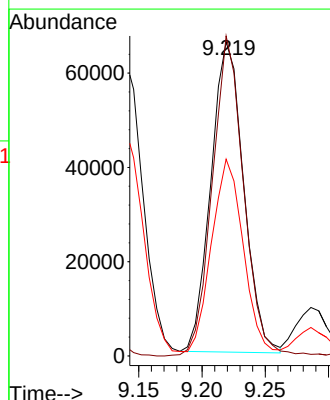
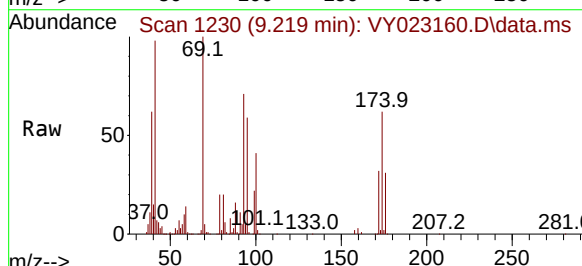
Tgt Ion: 41 Resp: 118237

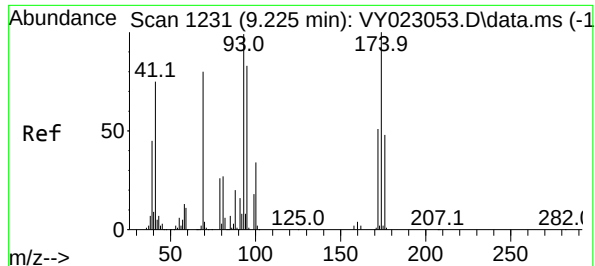
Ion Ratio Lower Upper

41 100

69 99.0 73.2 109.8

39 59.8 47.0 70.4





#49

1,4-Dioxane

Concen: 946.444 ug/l

RT: 9.225 min Scan# 1231

Delta R.T. 0.000 min

Lab File: VY023160.D

Acq: 19 Aug 2025 19:08

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

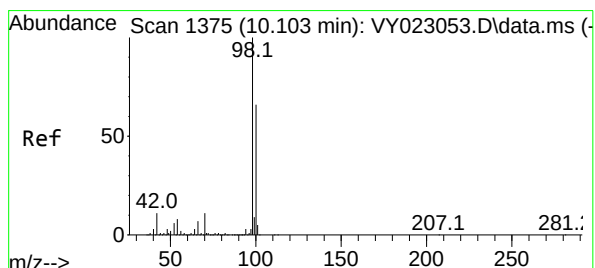
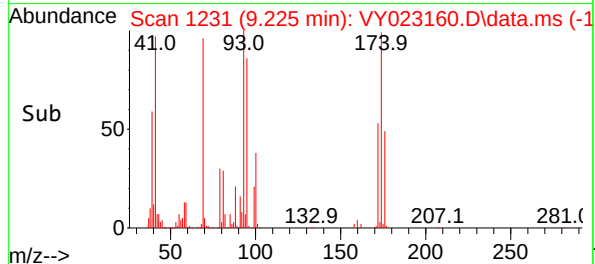
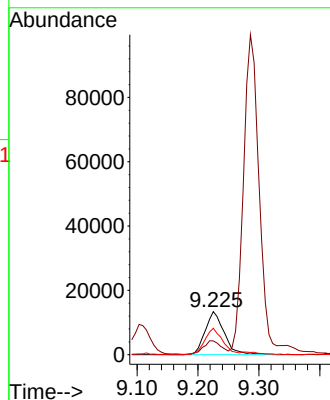
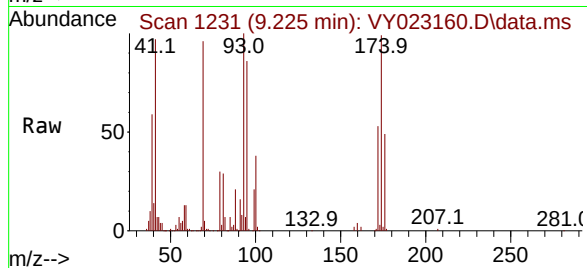
Tgt Ion:	88	Resp:	2919
Ion	Ratio	Lower	Upper
88	100		
43	29.7	24.3	36.5
58	57.5	55.4	83.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/20/2025

Supervised By :Mahesh Dadoda 08/20/2025



#50

Toluene-d8

Concen: 50.853 ug/l

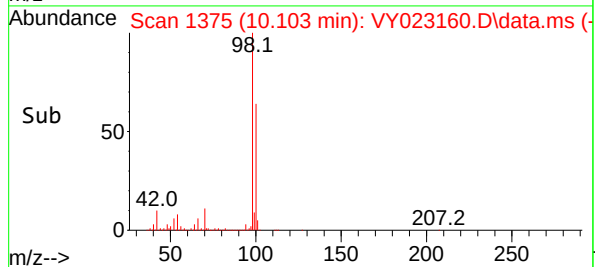
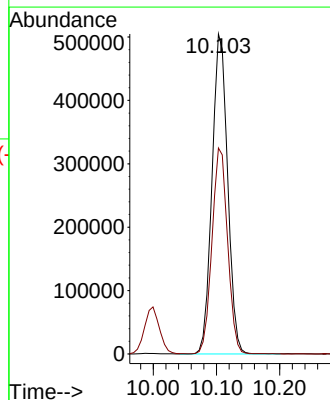
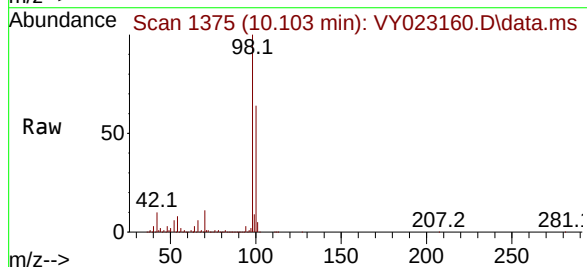
RT: 10.103 min Scan# 1375

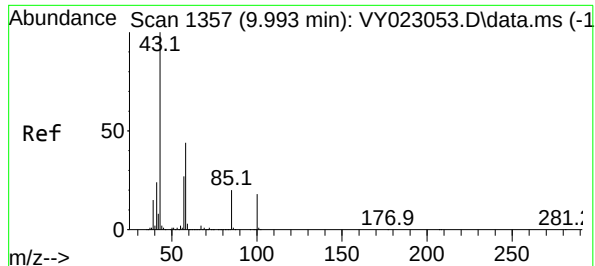
Delta R.T. 0.000 min

Lab File: VY023160.D

Acq: 19 Aug 2025 19:08

Tgt Ion:	98	Resp:	864097
Ion	Ratio	Lower	Upper
98	100		
100	64.3	52.3	78.5





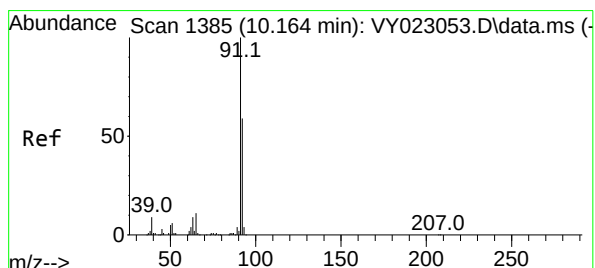
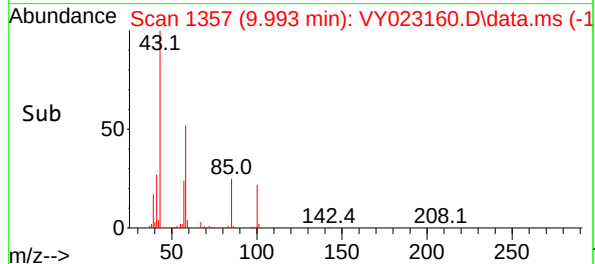
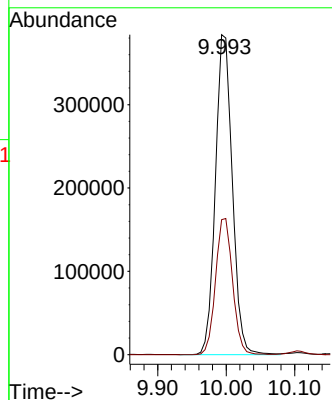
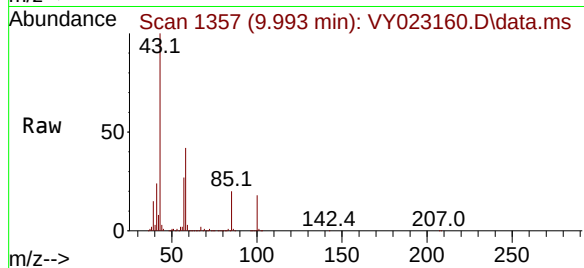
#51
4-Methyl-2-Pentanone
Concen: 231.971 ug/l
RT: 9.993 min Scan# 1357
Delta R.T. 0.000 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 656710
Ion Ratio Lower Upper
43 100
58 42.9 33.5 50.3

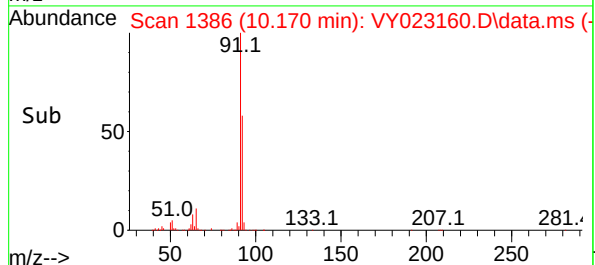
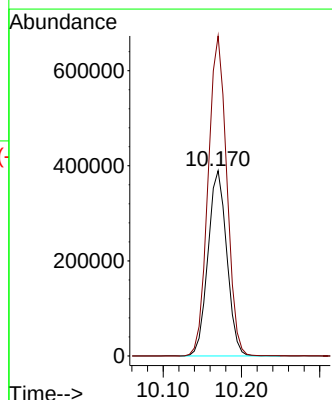
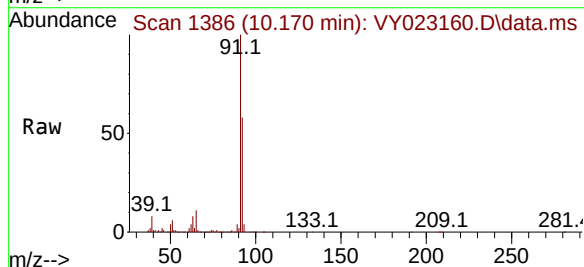
Manual Integrations
APPROVED

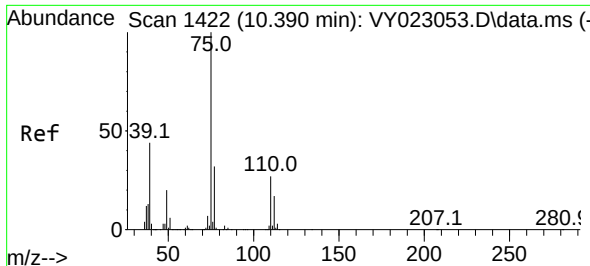
Reviewed By :John Carlone 08/20/2025
Supervised By :Mahesh Dadoda 08/20/2025



#52
Toluene
Concen: 51.179 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

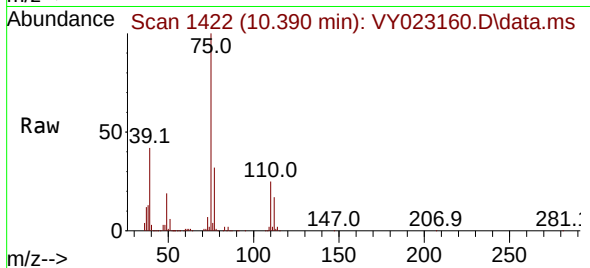
Tgt Ion: 92 Resp: 647611
Ion Ratio Lower Upper
92 100
91 171.9 136.4 204.6





#53
t-1,3-Dichloropropene
Concen: 48.297 ug/l
RT: 10.390 min Scan# 1422
Delta R.T. 0.000 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

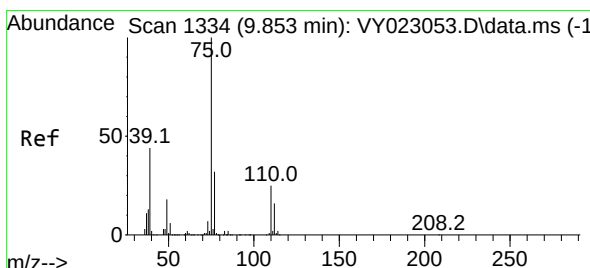
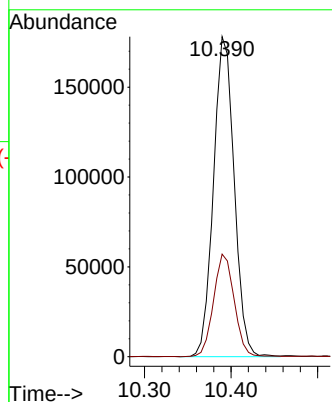
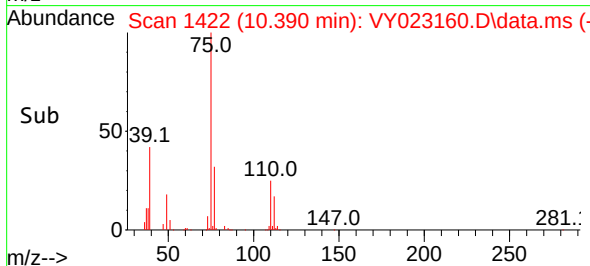
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC



Tgt Ion: 75 Resp: 296104
Ion Ratio Lower Upper
75 100
77 32.0 25.7 38.5

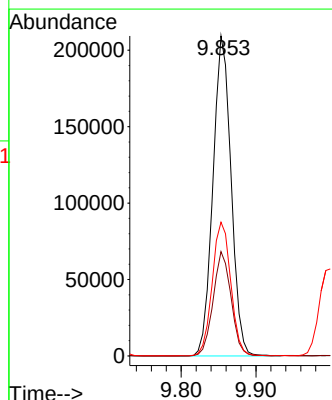
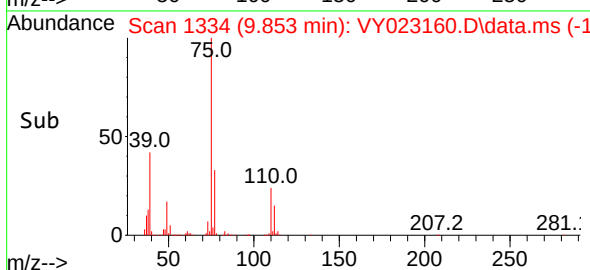
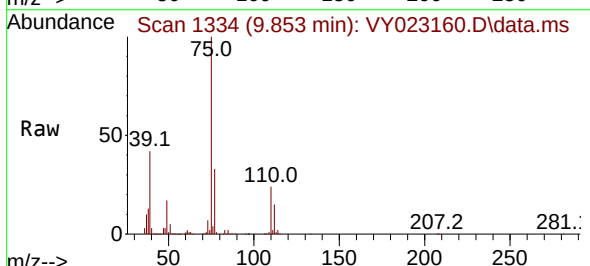
Manual Integrations
APPROVED

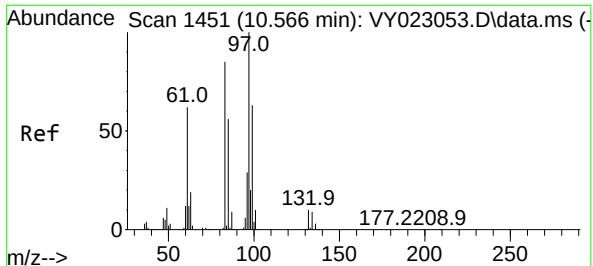
Reviewed By :John Carlone 08/20/2025
Supervised By :Mahesh Dadoda 08/20/2025



#54
cis-1,3-Dichloropropene
Concen: 48.751 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

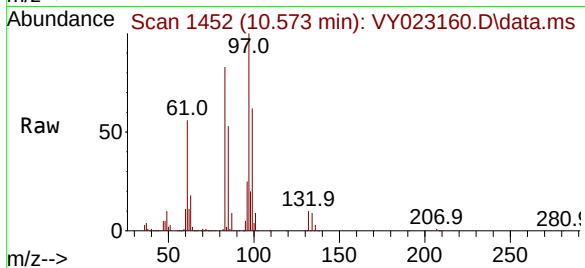
Tgt Ion: 75 Resp: 353426
Ion Ratio Lower Upper
75 100
77 32.6 25.4 38.0
39 41.7 35.6 53.4





#55
1,1,2-Trichloroethane
Concen: 50.180 ug/l
RT: 10.573 min Scan# 1451
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

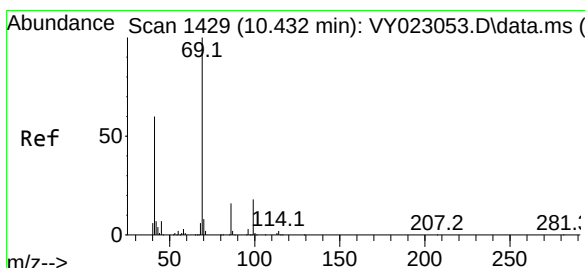
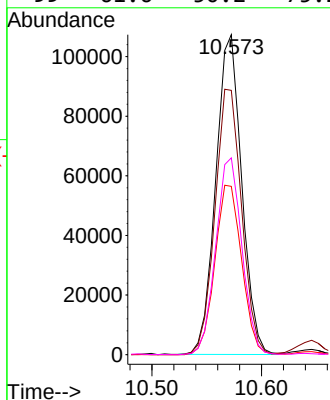
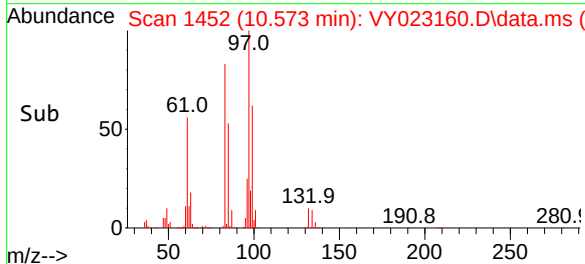
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC



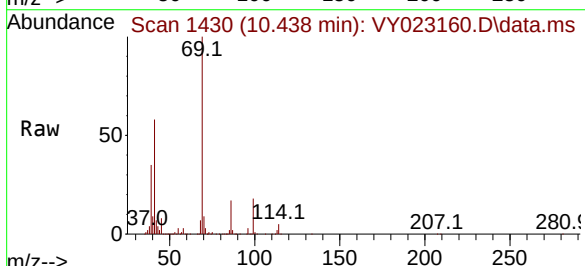
Tgt Ion: 97 Resp: 176672
Ion Ratio Lower Upper
97 100
83 82.7 67.7 101.5
85 52.7 44.5 66.7
99 61.6 50.2 75.2

Manual Integrations
APPROVED

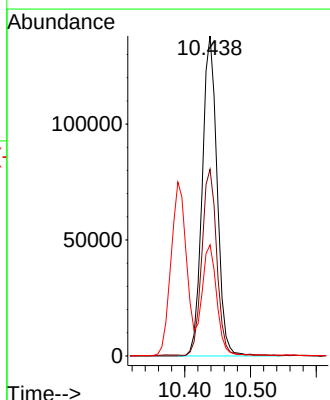
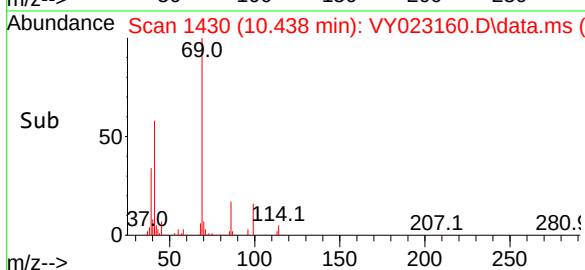
Reviewed By :John Carlone 08/20/2025
Supervised By :Mahesh Dadoda 08/20/2025

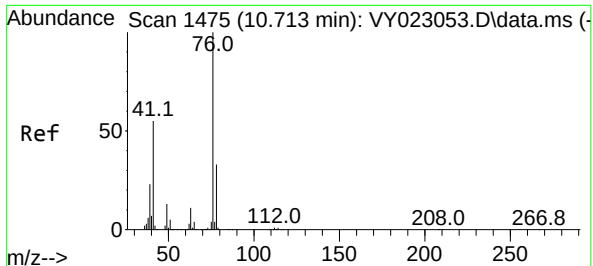


#56
Ethyl methacrylate
Concen: 48.375 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08



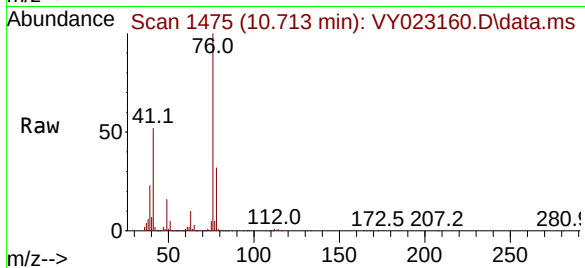
Tgt Ion: 69 Resp: 217938
Ion Ratio Lower Upper
69 100
41 58.3 48.6 72.8
39 34.0 27.0 40.4





#57
1,3-Dichloropropane
Concen: 48.952 ug/l
RT: 10.713 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

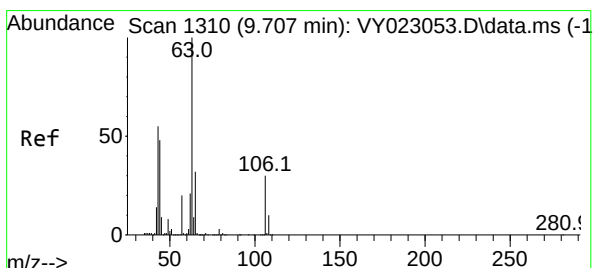
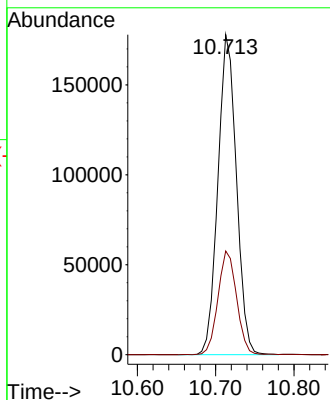
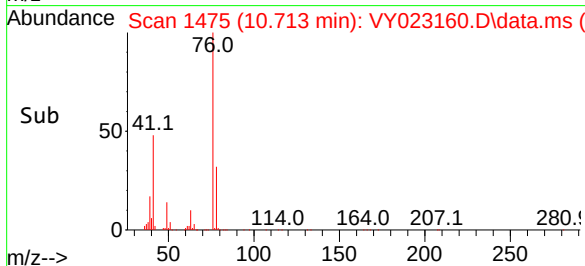
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC



Tgt Ion: 76 Resp: 292293
Ion Ratio Lower Upper
76 100
78 32.6 26.0 39.0

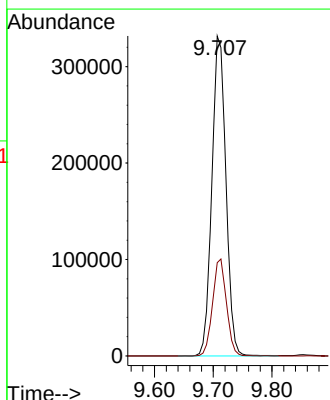
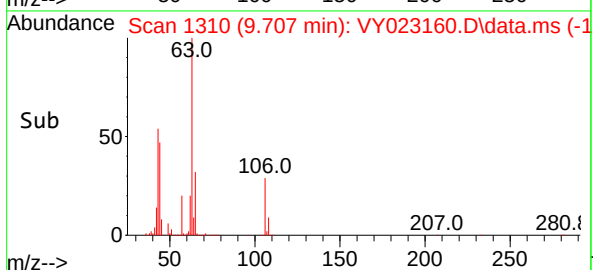
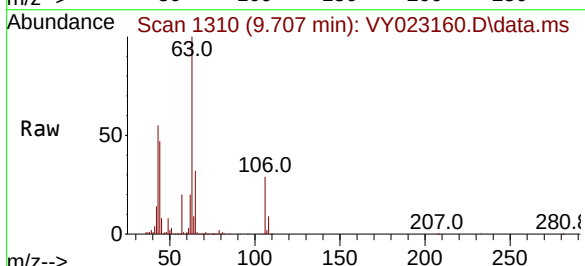
Manual Integrations
APPROVED

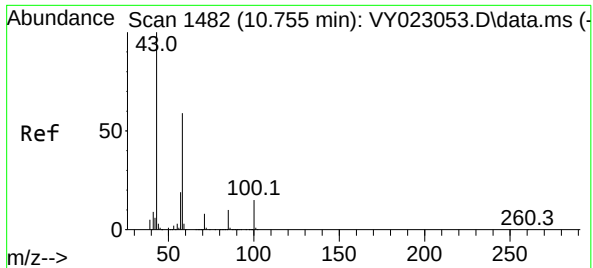
Reviewed By :John Carlone 08/20/2025
Supervised By :Mahesh Dadoda 08/20/2025



#58
2-Chloroethyl Vinyl ether
Concen: 259.330 ug/l
RT: 9.707 min Scan# 1310
Delta R.T. 0.000 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

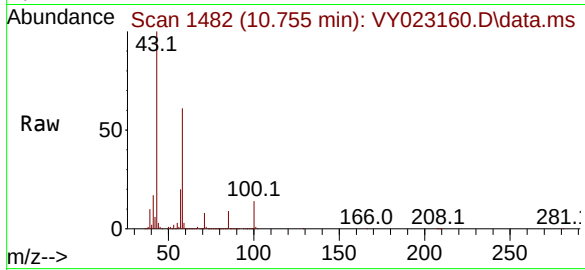
Tgt Ion: 63 Resp: 551100
Ion Ratio Lower Upper
63 100
106 29.9 23.2 34.8





#59
2-Hexanone
Concen: 225.681 ug/l
RT: 10.755 min Scan# 1482
Delta R.T. 0.000 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

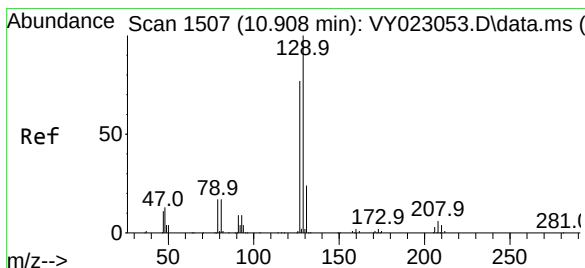
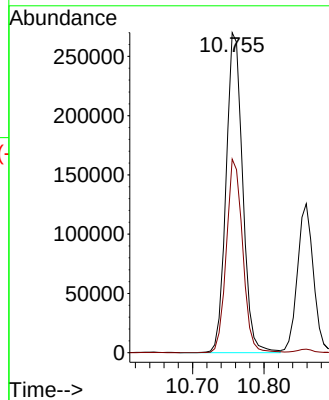
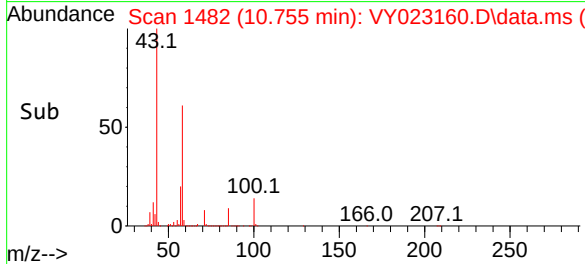
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC



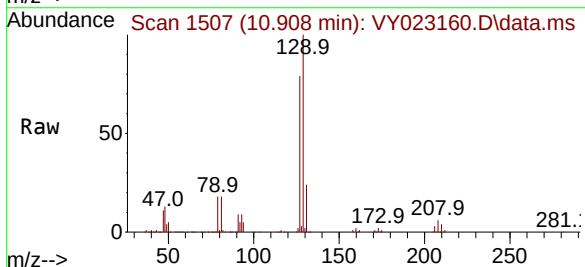
Tgt Ion: 43 Resp: 435049
Ion Ratio Lower Upper
43 100
58 59.3 29.5 88.5

Manual Integrations
APPROVED

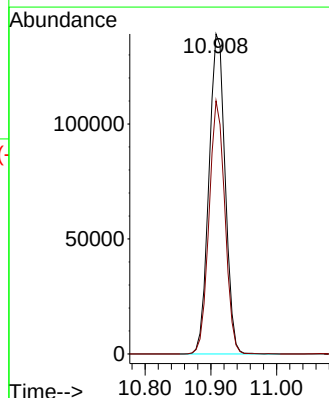
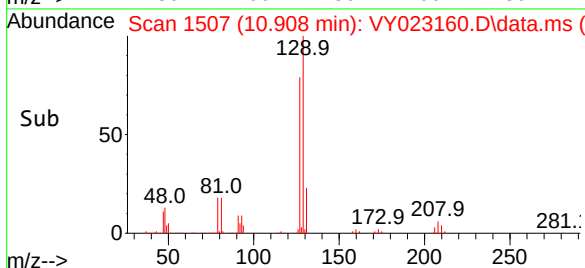
Reviewed By :John Carlone 08/20/2025
Supervised By :Mahesh Dadoda 08/20/2025

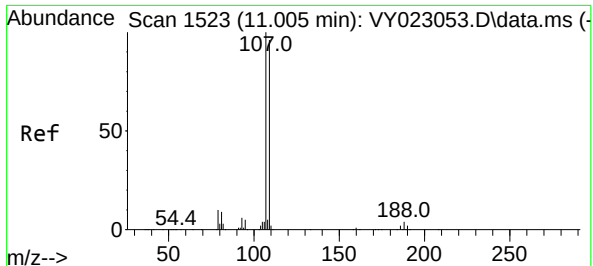


#60
Dibromochloromethane
Concen: 51.365 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08



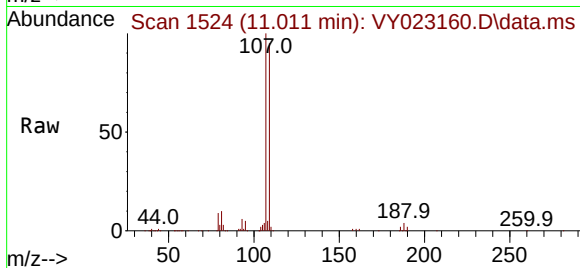
Tgt Ion:129 Resp: 238623
Ion Ratio Lower Upper
129 100
127 77.3 38.5 115.5





#61
1,2-Dibromoethane
Concen: 49.588 ug/l
RT: 11.011 min Scan# 1524
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

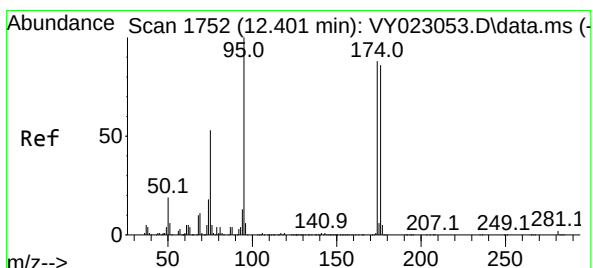
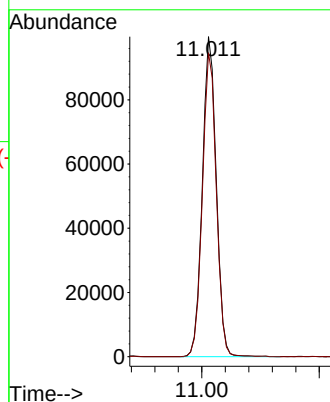
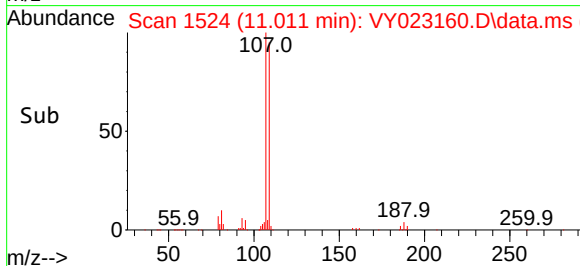
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC



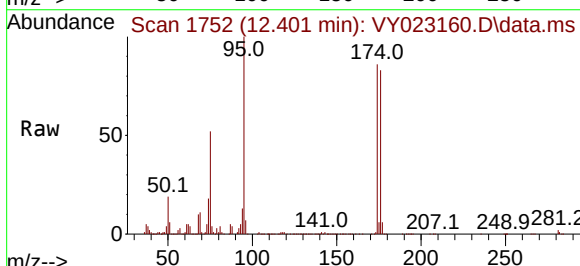
Tgt Ion:107 Resp: 164095
Ion Ratio Lower Upper
107 100
109 95.0 75.6 113.4

Manual Integrations
APPROVED

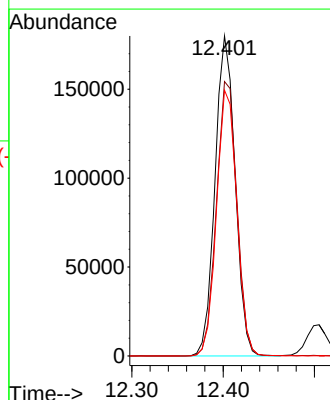
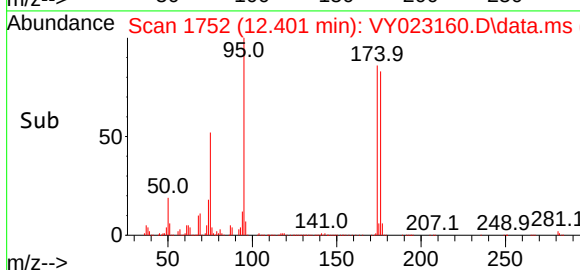
Reviewed By :John Carlone 08/20/2025
Supervised By :Mahesh Dadoda 08/20/2025

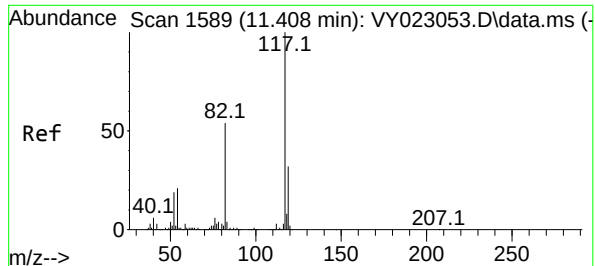


#62
4-Bromofluorobenzene
Concen: 50.308 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08



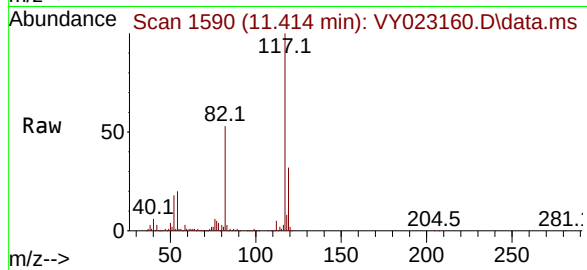
Tgt Ion: 95 Resp: 274917
Ion Ratio Lower Upper
95 100
174 87.9 0.0 171.6
176 84.1 0.0 167.6





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

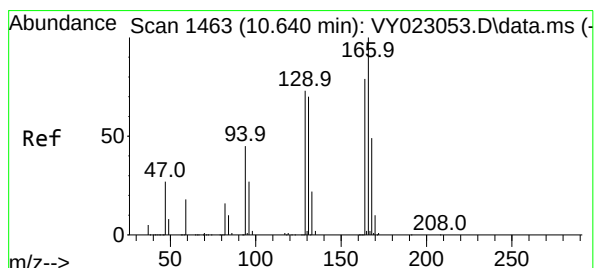
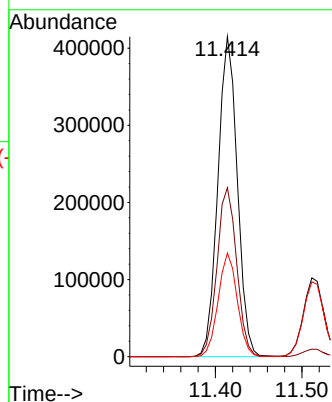
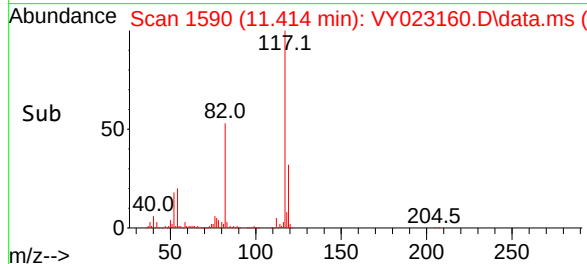
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC



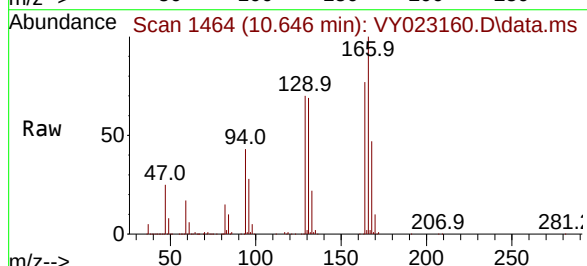
Tgt Ion:117 Resp: 647238
Ion Ratio Lower Upper
117 100
82 52.8 43.4 65.0
119 32.4 25.6 38.4

Manual Integrations
APPROVED

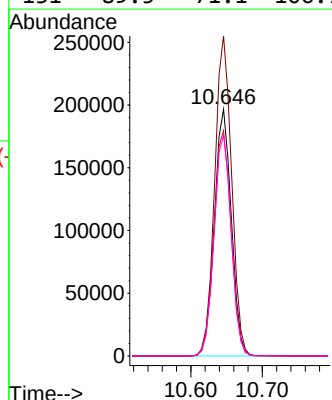
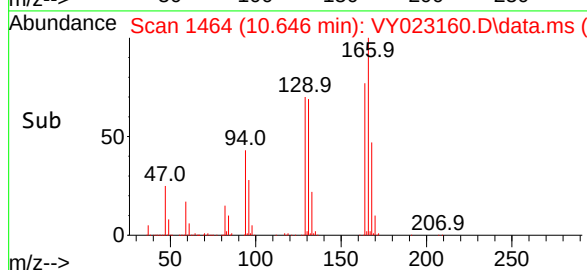
Reviewed By :John Carlone 08/20/2025
Supervised By :Mahesh Dadoda 08/20/2025

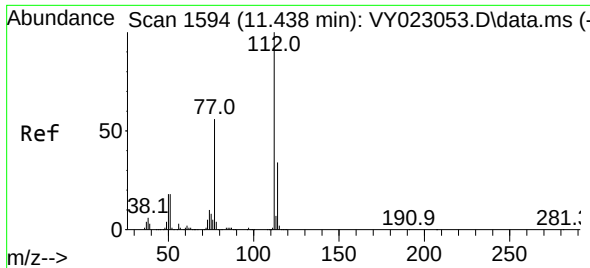


#64
Tetrachloroethene
Concen: 56.055 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08



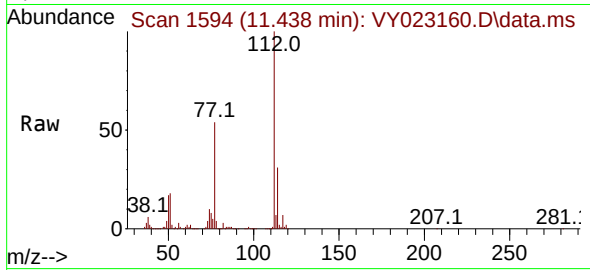
Tgt Ion:164 Resp: 323963
Ion Ratio Lower Upper
164 100
166 129.7 101.1 151.7
129 91.3 74.0 111.0
131 89.5 71.1 106.7





#65
Chlorobenzene
Concen: 50.434 ug/l
RT: 11.438 min Scan# 1594
Delta R.T. 0.000 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

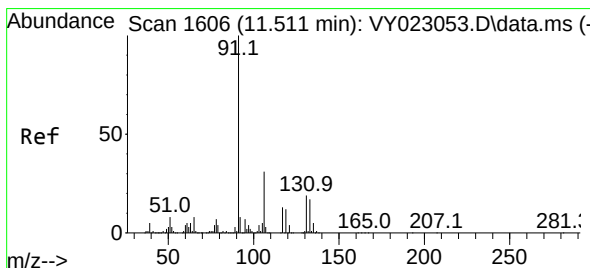
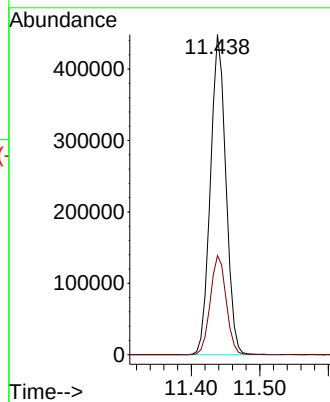
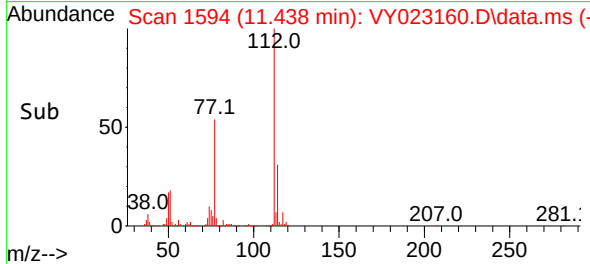
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC



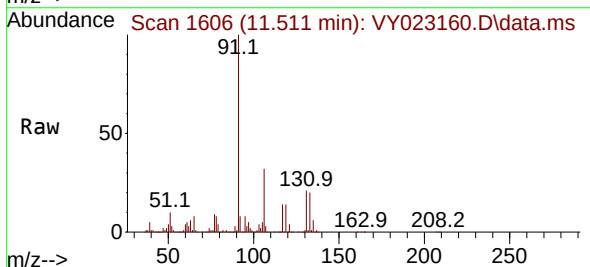
Tgt Ion:112 Resp: 70410
Ion Ratio Lower Upper
112 100
114 31.0 27.0 40.4

Manual Integrations
APPROVED

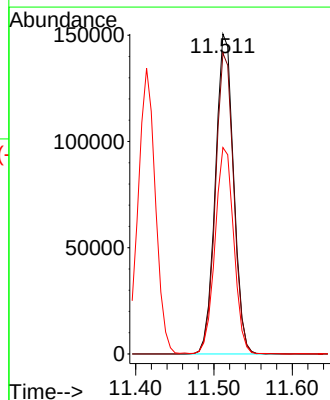
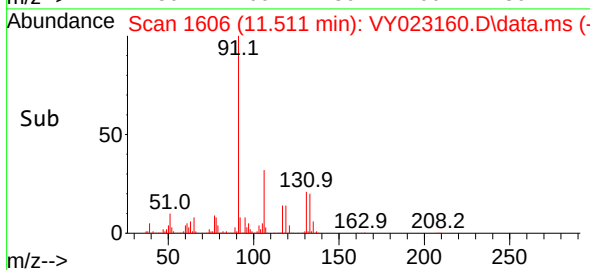
Reviewed By :John Carlone 08/20/2025
Supervised By :Mahesh Dadoda 08/20/2025

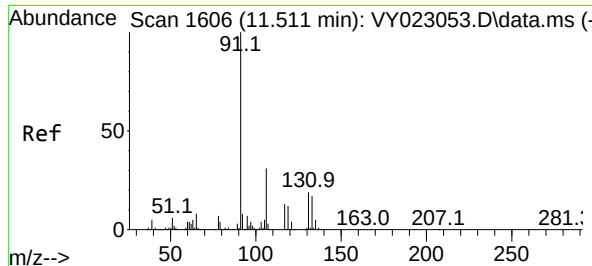


#66
1,1,1,2-Tetrachloroethane
Concen: 51.411 ug/l
RT: 11.511 min Scan# 1606
Delta R.T. 0.000 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08



Tgt Ion:131 Resp: 243596
Ion Ratio Lower Upper
131 100
133 94.2 46.9 140.6
119 66.4 33.2 99.6





#67

Ethyl Benzene

Concen: 50.888 ug/l

RT: 11.517 min Scan# 1607

Delta R.T. 0.006 min

Lab File: VY023160.D

Acq: 19 Aug 2025 19:08

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 91 Resp: 122260

Ion Ratio Lower Upper

91 100

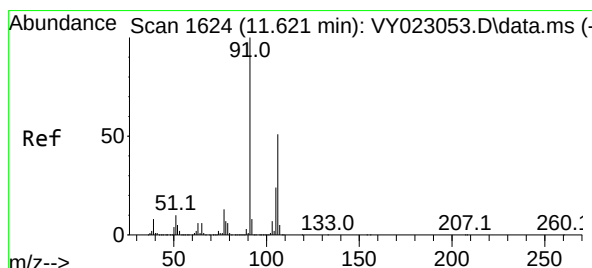
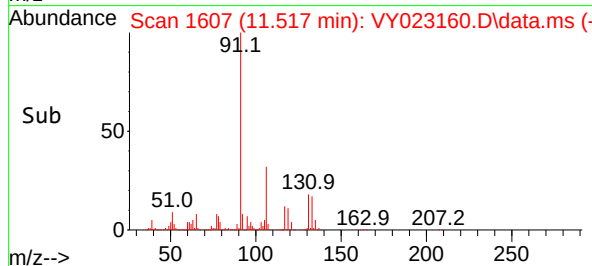
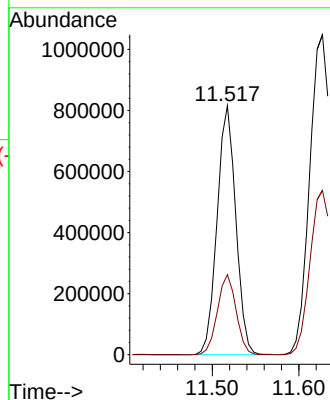
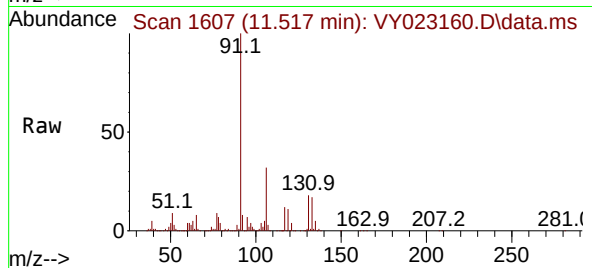
106 32.1 25.0 37.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/20/2025

Supervised By :Mahesh Dadoda 08/20/2025



#68

m/p-Xylenes

Concen: 103.051 ug/l

RT: 11.627 min Scan# 1625

Delta R.T. 0.006 min

Lab File: VY023160.D

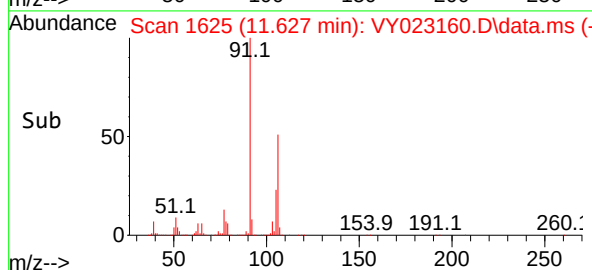
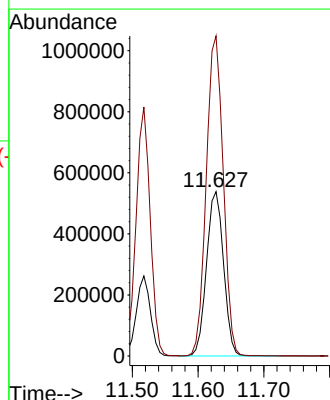
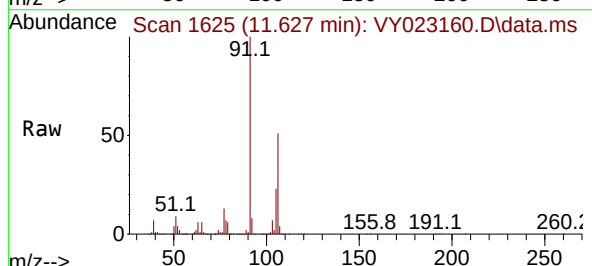
Acq: 19 Aug 2025 19:08

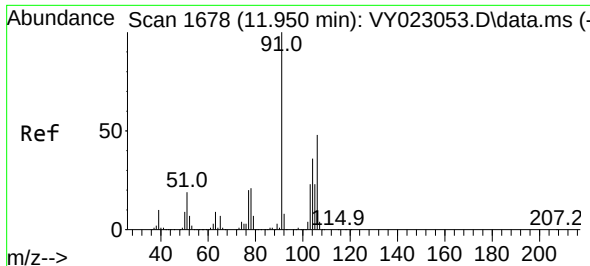
Tgt Ion:106 Resp: 966978

Ion Ratio Lower Upper

106 100

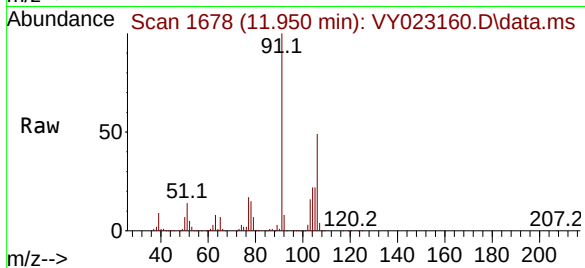
91 194.8 158.6 238.0





#69
o-Xylene
Concen: 51.799 ug/l
RT: 11.950 min Scan# 1678
Delta R.T. 0.000 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

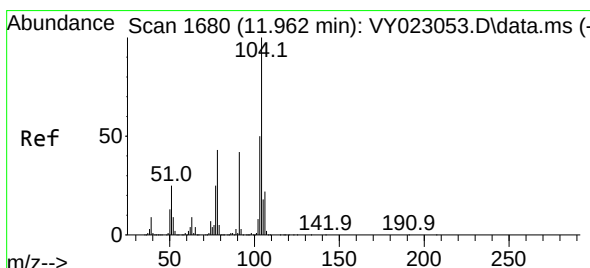
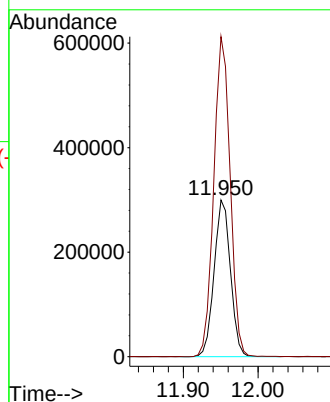
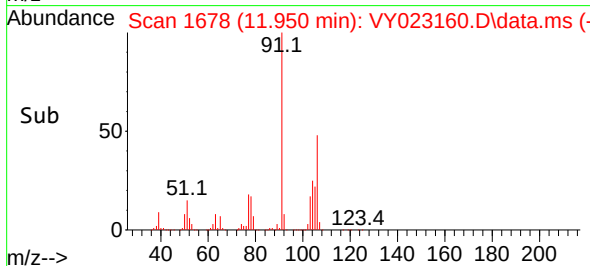
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC



Tgt Ion:106 Resp: 455230
Ion Ratio Lower Upper
106 100
91 204.7 103.2 309.4

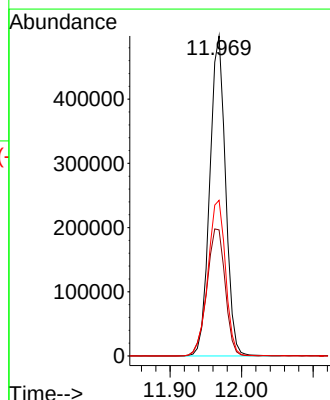
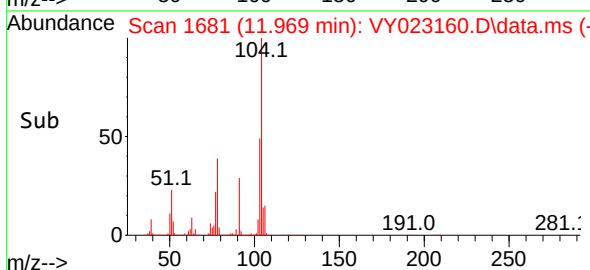
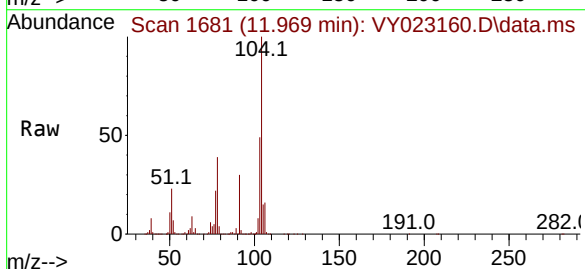
Manual Integrations
APPROVED

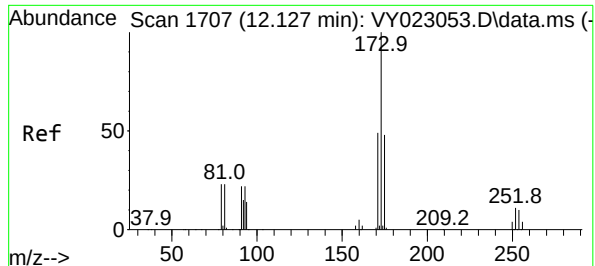
Reviewed By :John Carlone 08/20/2025
Supervised By :Mahesh Dadoda 08/20/2025



#70
Styrene
Concen: 53.132 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

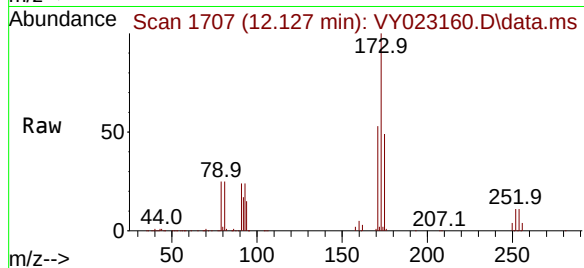
Tgt Ion:104 Resp: 763639
Ion Ratio Lower Upper
104 100
78 46.1 38.5 57.7
103 54.4 43.7 65.5





#71
Bromoform
Concen: 48.980 ug/l
RT: 12.127 min Scan# 1707
Delta R.T. 0.000 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

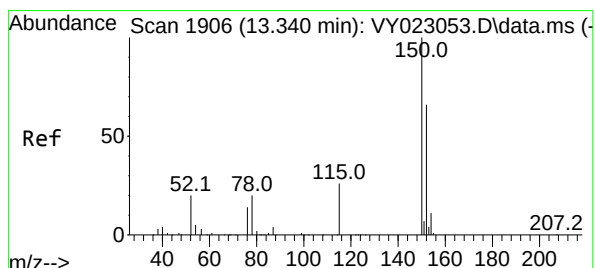
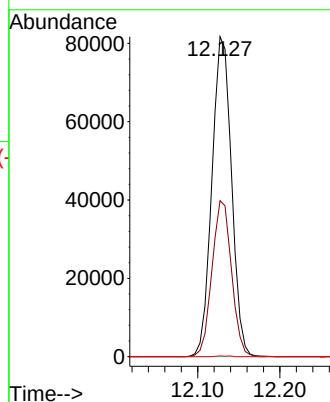
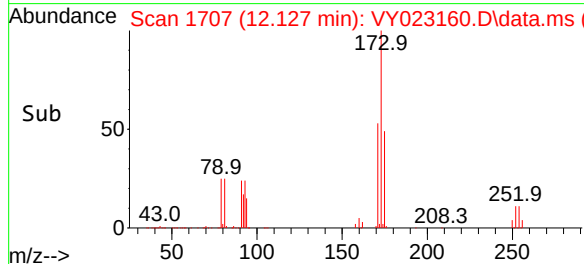
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC



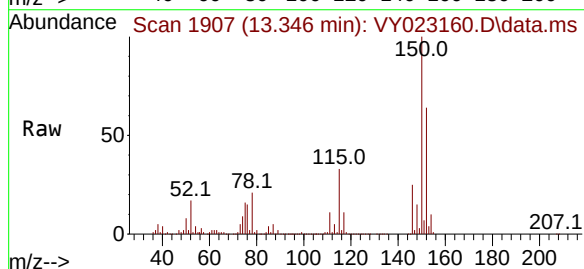
Tgt Ion:173 Resp: 135638
Ion Ratio Lower Upper
173 100
175 48.5 23.9 71.7
254 0.2 0.1 0.1

Manual Integrations
APPROVED

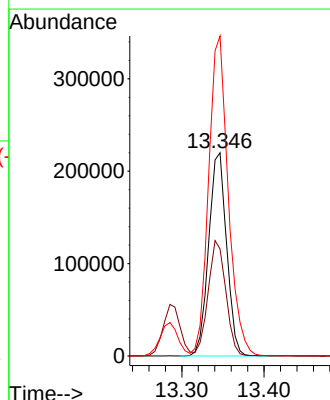
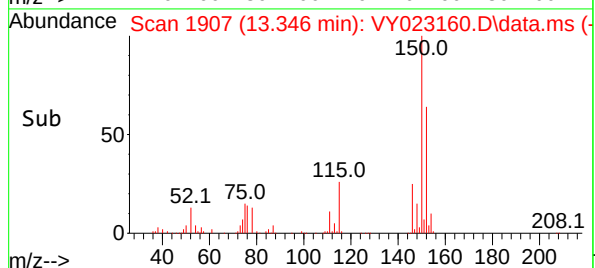
Reviewed By :John Carlone 08/20/2025
Supervised By :Mahesh Dadoda 08/20/2025

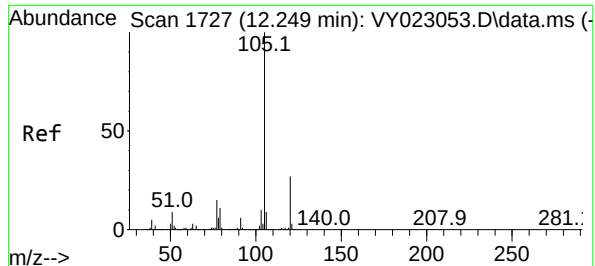


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08



Tgt Ion:152 Resp: 333557
Ion Ratio Lower Upper
152 100
115 55.8 28.2 84.6
150 171.6 0.0 348.0





#73

Isopropylbenzene

Concen: 49.330 ug/l

RT: 12.249 min Scan# 1727

Delta R.T. 0.000 min

Lab File: VY023160.D

Acq: 19 Aug 2025 19:08

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tgt Ion:105 Resp: 116133

Ion Ratio Lower Upper

105 100

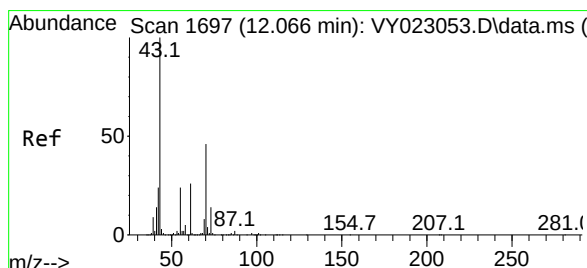
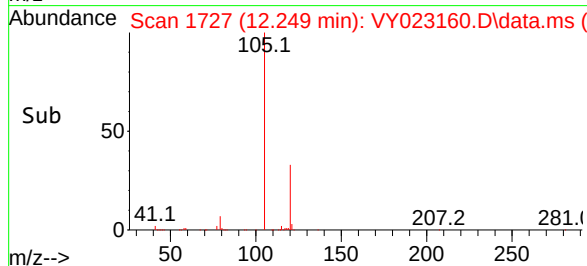
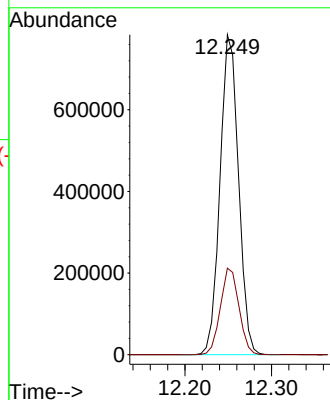
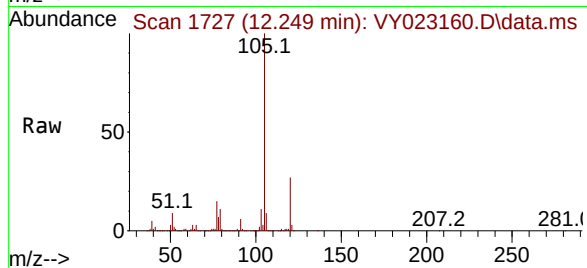
120 27.1 13.4 40.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/20/2025

Supervised By :Mahesh Dadoda 08/20/2025



#74

N-ethyl acetate

Concen: 43.613 ug/l

RT: 12.066 min Scan# 1697

Delta R.T. 0.000 min

Lab File: VY023160.D

Acq: 19 Aug 2025 19:08

Tgt Ion: 43 Resp: 217737

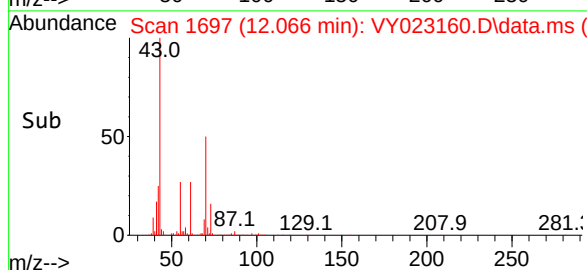
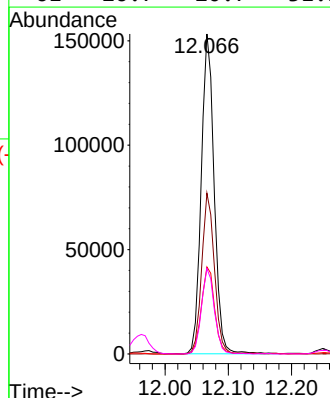
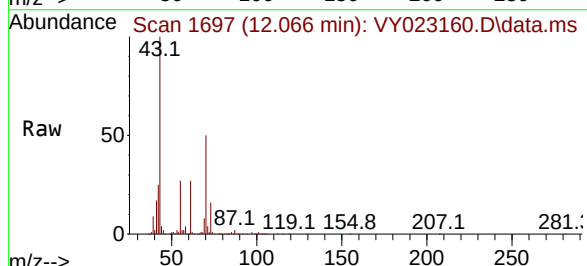
Ion Ratio Lower Upper

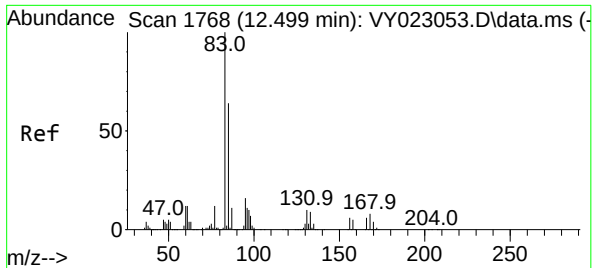
43 100

70 49.5 37.5 56.3

55 28.2 20.7 31.1

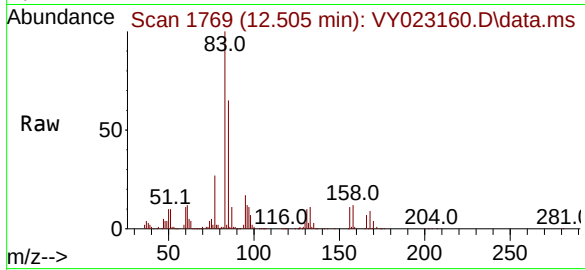
61 26.7 20.7 31.1





#75
1,1,2,2-Tetrachloroethane
Concen: 43.025 ug/l
RT: 12.505 min Scan# 1769
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

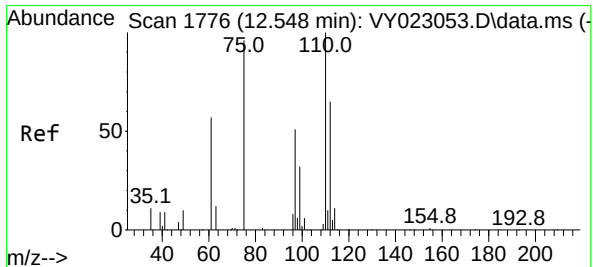
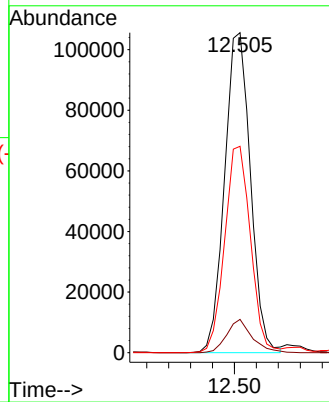
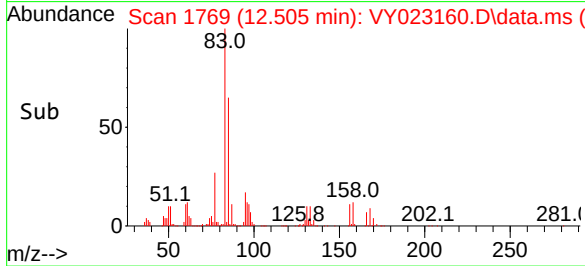
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC



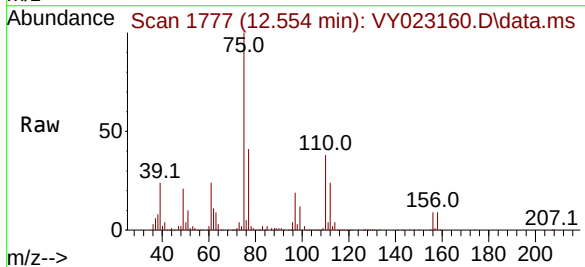
Tgt Ion: 83 Resp: 17295
Ion Ratio Lower Upper
83 100
131 10.2 5.1 15.3
85 64.4 31.8 95.3

Manual Integrations
APPROVED

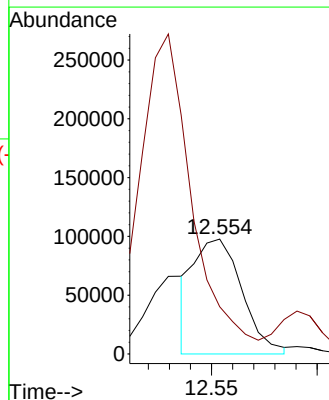
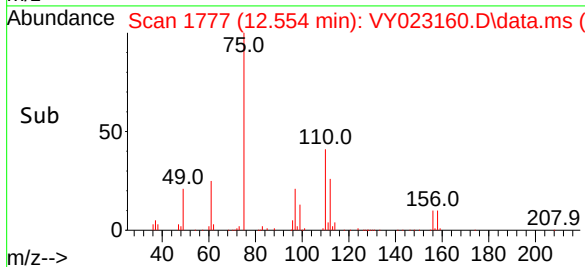
Reviewed By :John Carlone 08/20/2025
Supervised By :Mahesh Dadoda 08/20/2025

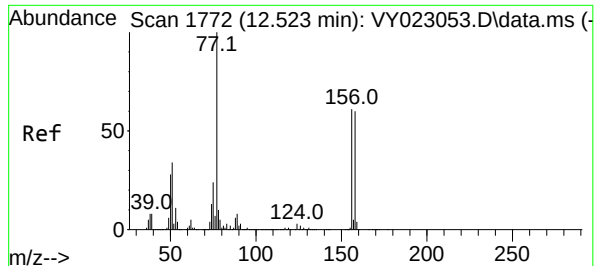


#76
1,2,3-Trichloropropane
Concen: 48.345 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08



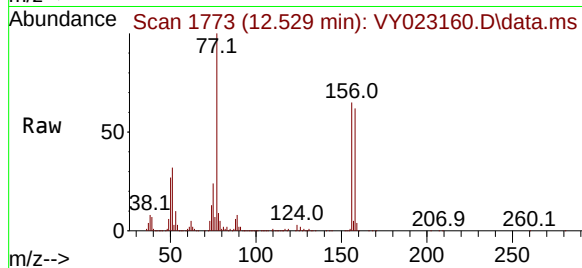
Tgt Ion: 75 Resp: 155632
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0





#77
Bromobenzene
Concen: 48.690 ug/l
RT: 12.529 min Scan# 1772
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

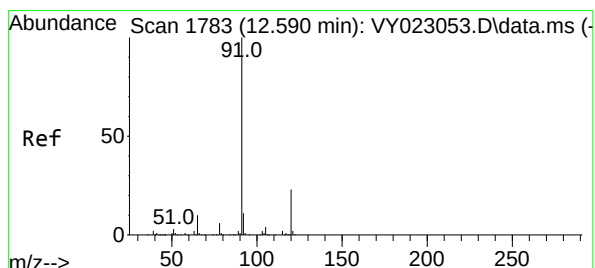
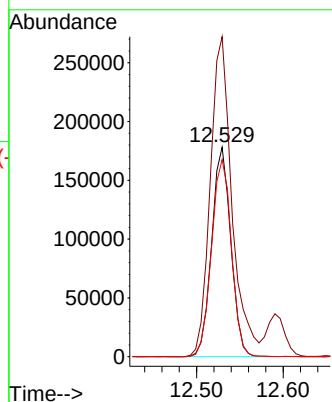
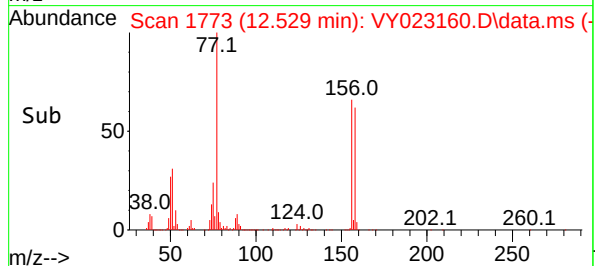
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC



Tgt Ion: 156 Resp: 273460
Ion Ratio Lower Upper
156 100
77 172.9 88.1 264.4
158 97.9 48.0 144.0

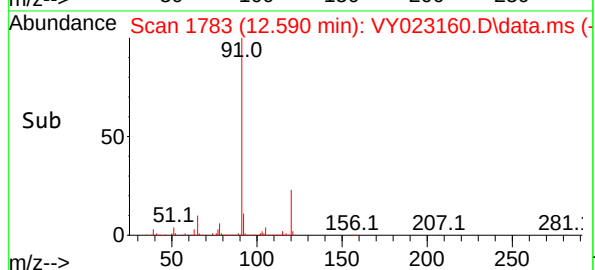
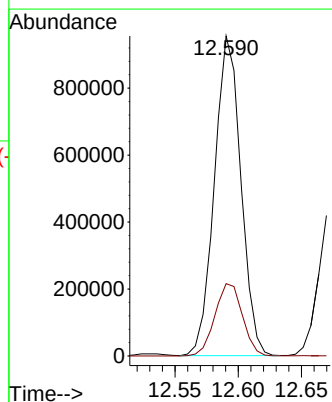
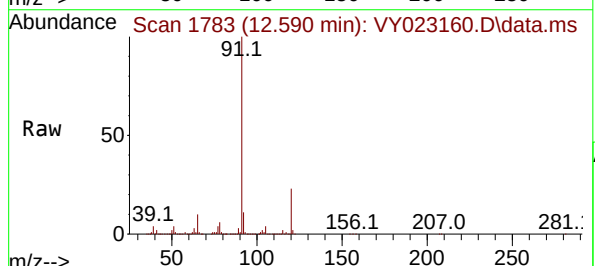
Manual Integrations
APPROVED

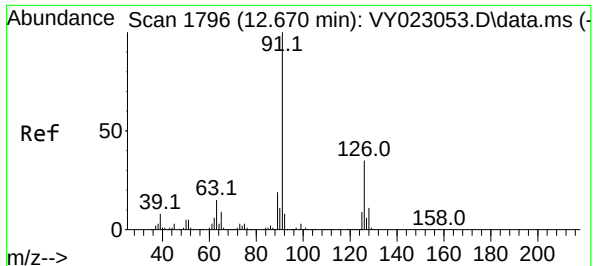
Reviewed By :John Carlone 08/20/2025
Supervised By :Mahesh Dadoda 08/20/2025



#78
n-propylbenzene
Concen: 49.502 ug/l
RT: 12.590 min Scan# 1783
Delta R.T. 0.000 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion: 91 Resp: 1387452
Ion Ratio Lower Upper
91 100
120 23.5 11.5 34.5





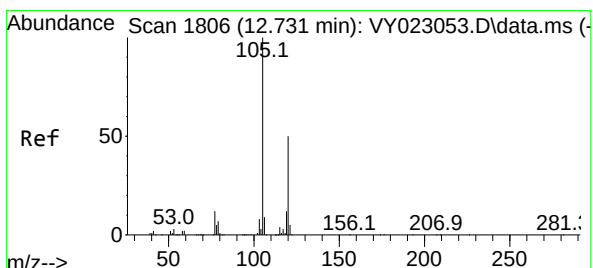
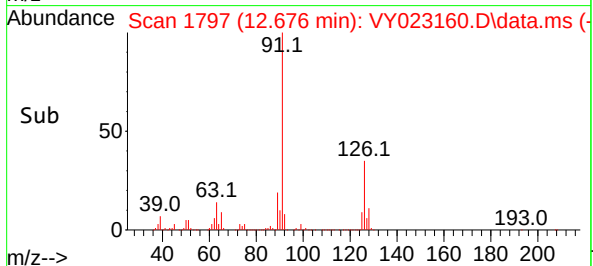
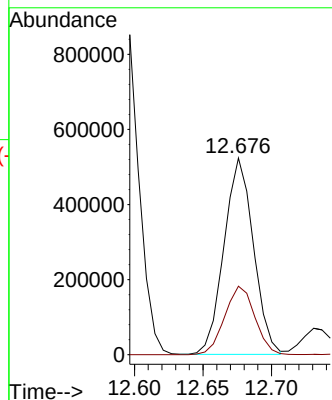
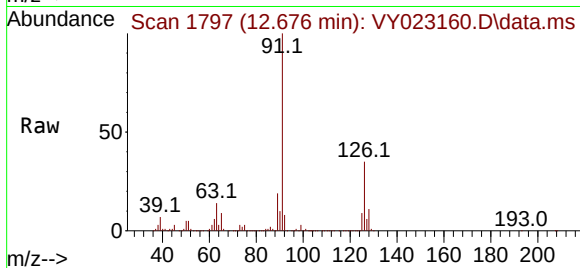
#79
2-Chlorotoluene
Concen: 48.829 ug/l
RT: 12.676 min Scan# 1796
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 784149
Ion Ratio Lower Upper
91 100
126 35.7 17.4 52.3

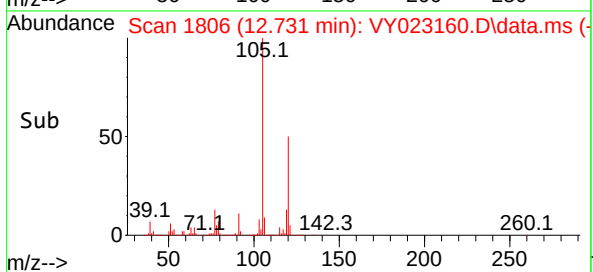
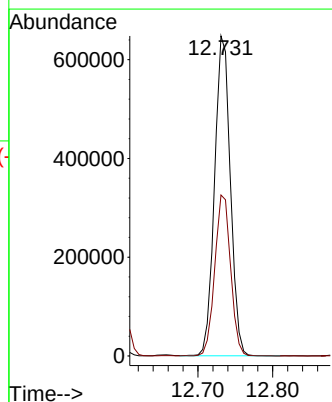
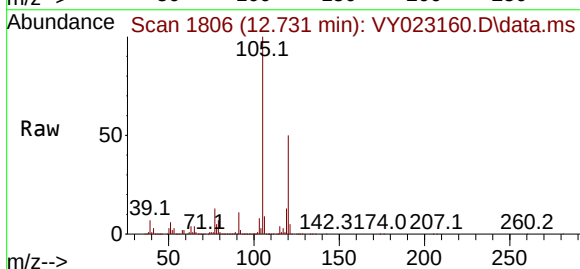
Manual Integrations
APPROVED

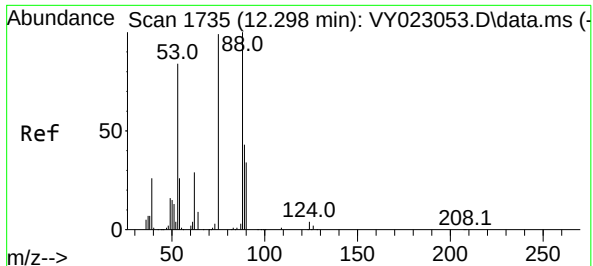
Reviewed By :John Carlone 08/20/2025
Supervised By :Mahesh Dadoda 08/20/2025



#80
1,3,5-Trimethylbenzene
Concen: 50.180 ug/l
RT: 12.731 min Scan# 1806
Delta R.T. 0.000 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

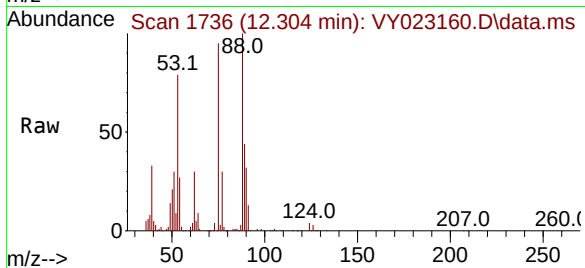
Tgt Ion:105 Resp: 954748
Ion Ratio Lower Upper
105 100
120 50.5 24.8 74.4





#81
trans-1,4-Dichloro-2-butene
Concen: 43.134 ug/l
RT: 12.304 min Scan# 1736
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

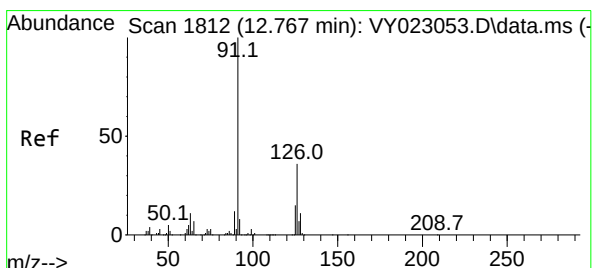
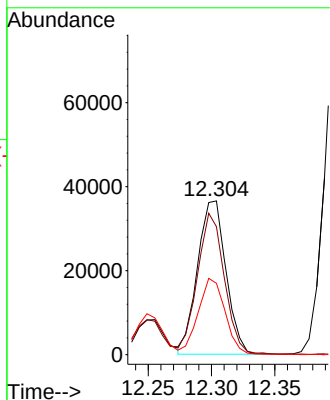
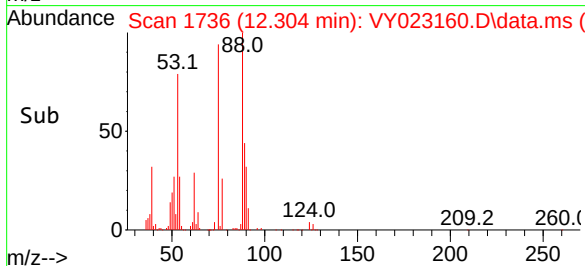
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC



Tgt Ion: 75 Resp: 57362
Ion Ratio Lower Upper
75 100
53 87.5 70.8 106.2
89 47.4 38.1 57.1

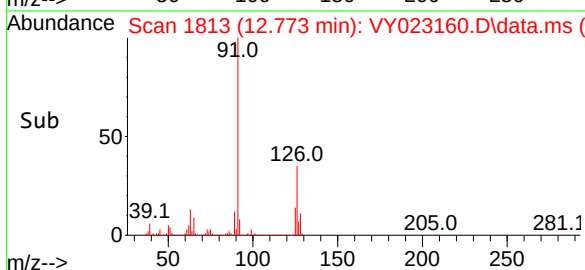
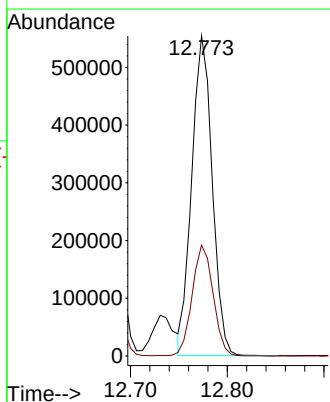
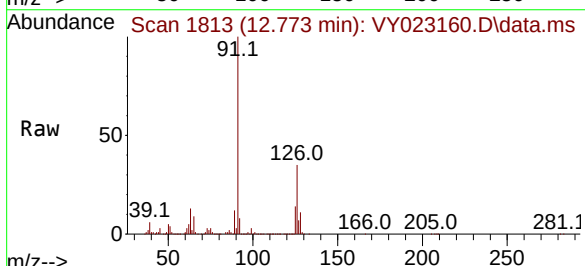
Manual Integrations
APPROVED

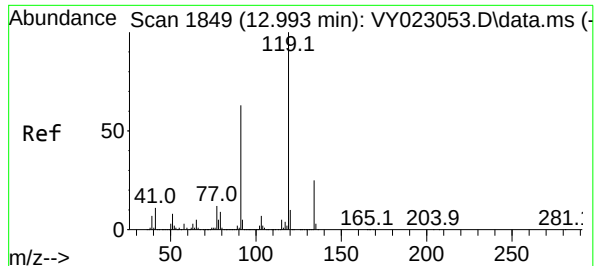
Reviewed By :John Carlone 08/20/2025
Supervised By :Mahesh Dadoda 08/20/2025



#82
4-Chlorotoluene
Concen: 48.995 ug/l
RT: 12.773 min Scan# 1813
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

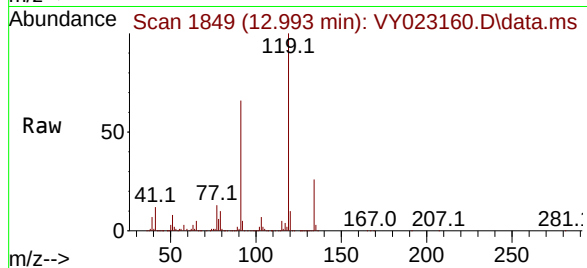
Tgt Ion: 91 Resp: 816232
Ion Ratio Lower Upper
91 100
126 35.6 17.3 52.0





#83
tert-Butylbenzene
Concen: 49.921 ug/l
RT: 12.993 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

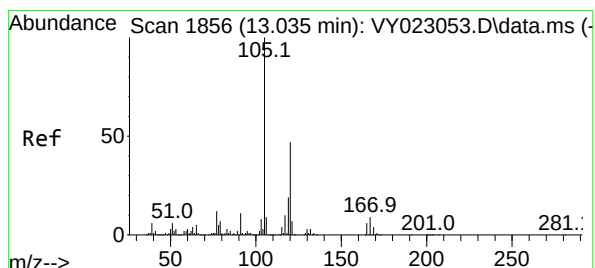
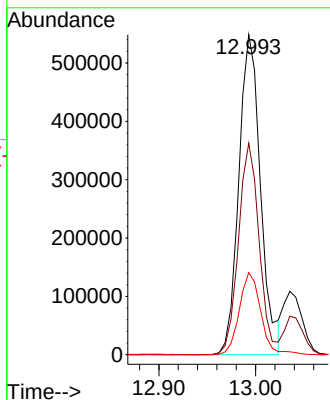
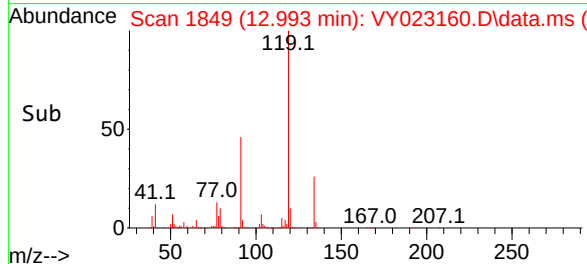
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC



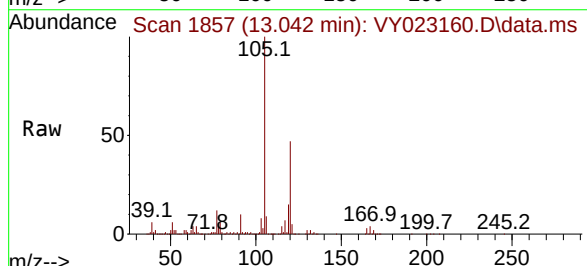
Tgt Ion:119 Resp: 85785
Ion Ratio Lower Upper
119 100
91 63.0 31.6 94.8
134 25.4 12.9 38.7

Manual Integrations
APPROVED

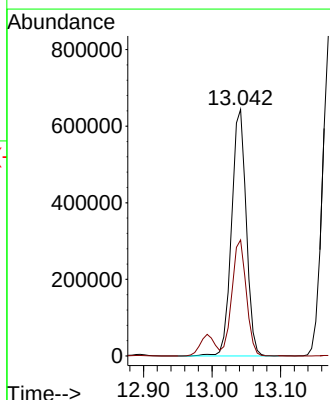
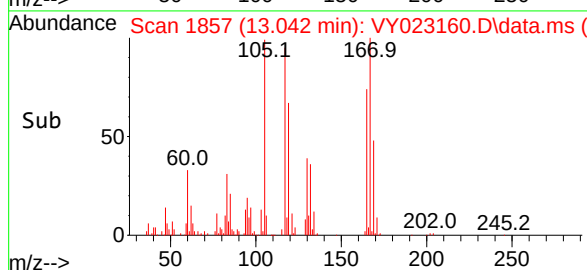
Reviewed By :John Carlone 08/20/2025
Supervised By :Mahesh Dadoda 08/20/2025

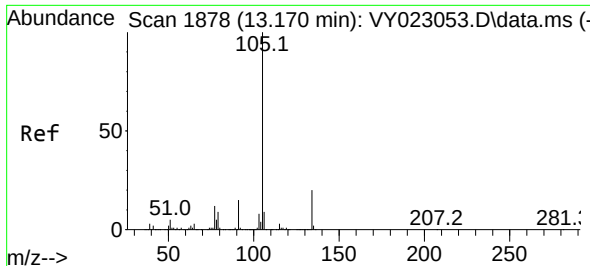


#84
1,2,4-Trimethylbenzene
Concen: 50.510 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08



Tgt Ion:105 Resp: 956661
Ion Ratio Lower Upper
105 100
120 46.4 23.0 69.0





#85

sec-Butylbenzene

Concen: 49.485 ug/l

RT: 13.170 min Scan# 1878

Delta R.T. 0.000 min

Lab File: VY023160.D

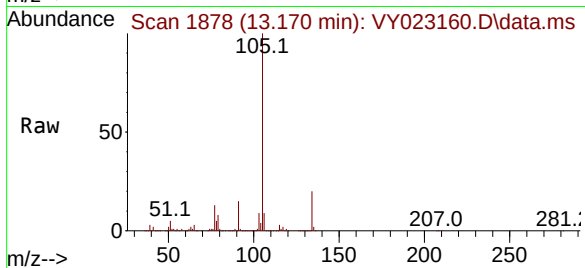
Acq: 19 Aug 2025 19:08

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC



Tgt Ion:105 Resp: 1249164

Ion Ratio Lower Upper

105 100

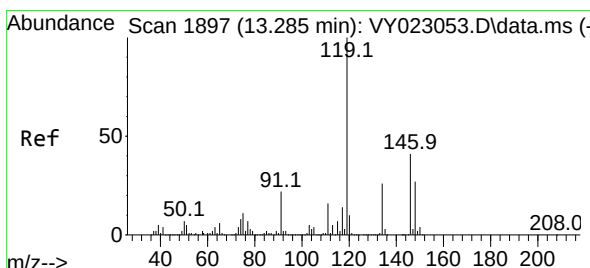
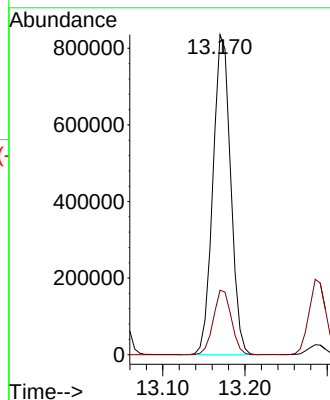
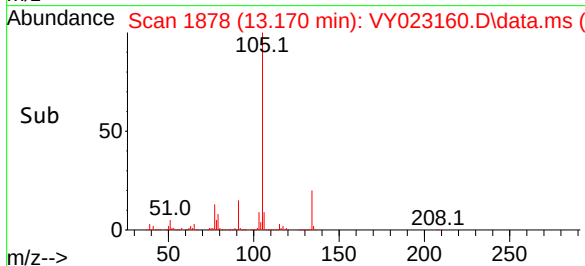
134 20.5 10.2 30.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/20/2025

Supervised By :Mahesh Dadoda 08/20/2025



#86

p-Isopropyltoluene

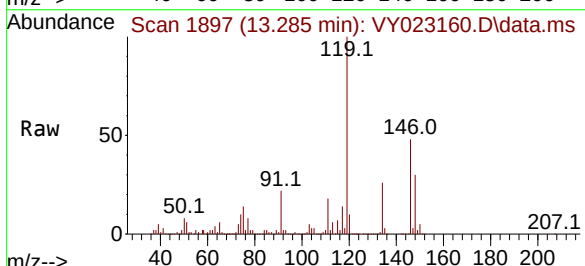
Concen: 50.842 ug/l

RT: 13.285 min Scan# 1897

Delta R.T. 0.000 min

Lab File: VY023160.D

Acq: 19 Aug 2025 19:08



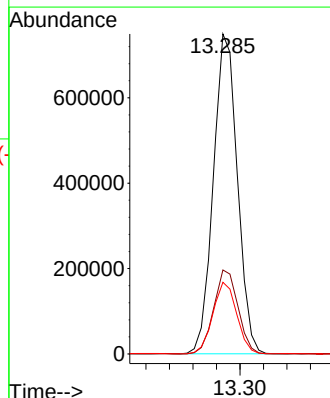
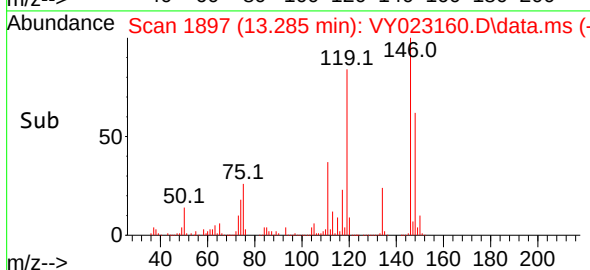
Tgt Ion:119 Resp: 1065308

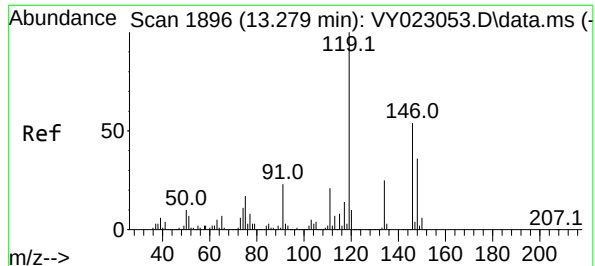
Ion Ratio Lower Upper

119 100

134 26.5 13.2 39.6

91 22.3 11.3 33.8





#87

1,3-Dichlorobenzene

Concen: 49.644 ug/l

RT: 13.285 min Scan# 1896

Delta R.T. 0.006 min

Lab File: VY023160.D

Acq: 19 Aug 2025 19:08

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tgt Ion:146 Resp: 54983

Ion Ratio Lower Upper

146 100

111 38.5 19.6 58.7

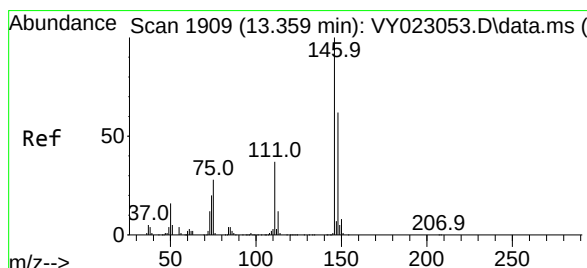
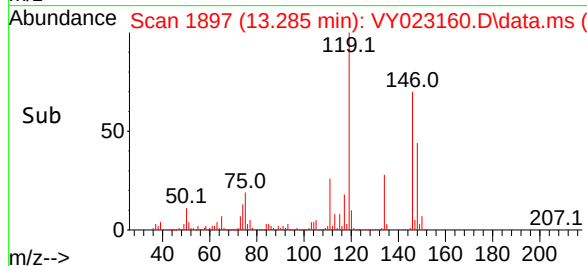
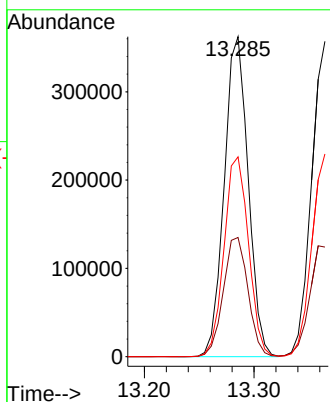
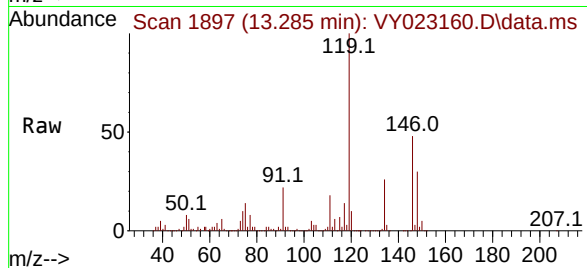
148 63.8 32.5 97.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/20/2025

Supervised By :Mahesh Dadoda 08/20/2025



#88

1,4-Dichlorobenzene

Concen: 48.611 ug/l

RT: 13.365 min Scan# 1910

Delta R.T. 0.006 min

Lab File: VY023160.D

Acq: 19 Aug 2025 19:08

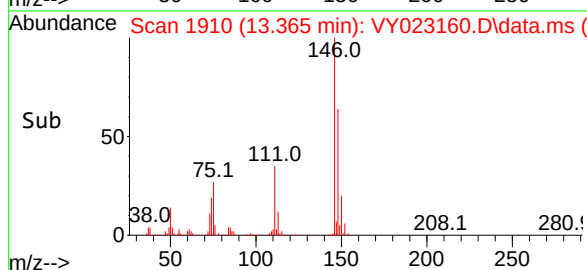
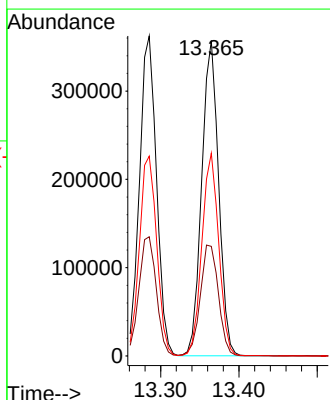
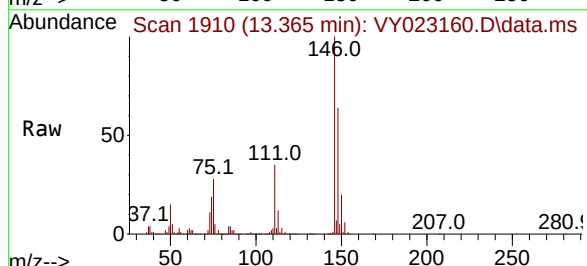
Tgt Ion:146 Resp: 534086

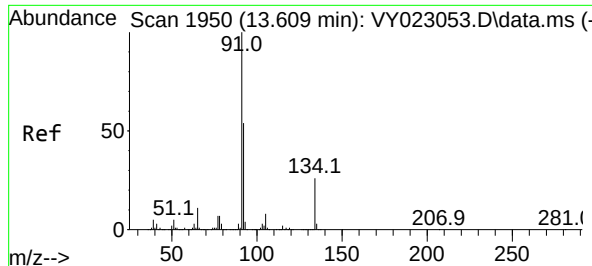
Ion Ratio Lower Upper

146 100

111 37.7 19.1 57.1

148 64.3 31.6 94.7





#89

n-Butylbenzene

Concen: 49.746 ug/l

RT: 13.615 min Scan# 1950

Delta R.T. 0.006 min

Lab File: VY023160.D

Acq: 19 Aug 2025 19:08

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

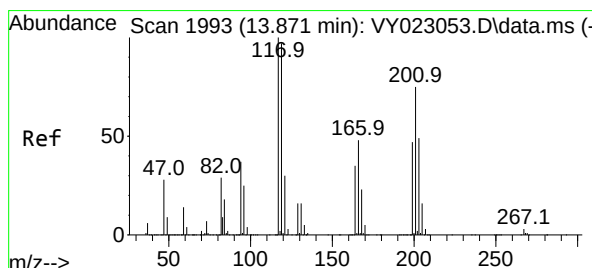
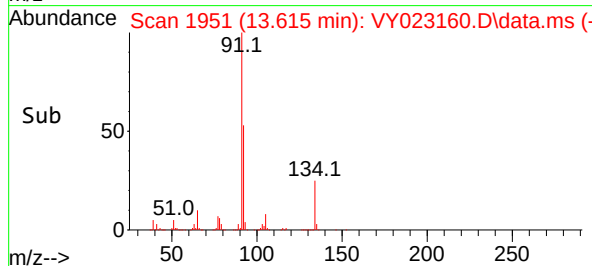
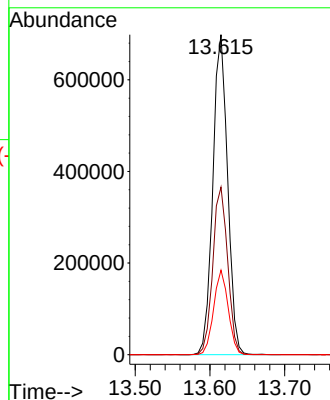
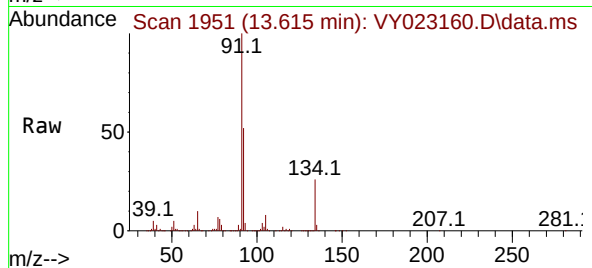
Tgt Ion:	91	Resp:	957330
Ion Ratio	Lower	Upper	
91	100		
92	52.9	26.9	80.7
134	26.1	13.2	39.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/20/2025

Supervised By :Mahesh Dadoda 08/20/2025



#90

Hexachloroethane

Concen: 50.008 ug/l

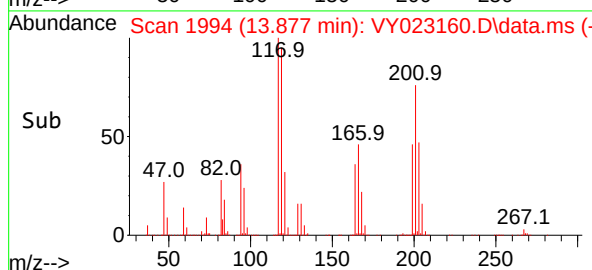
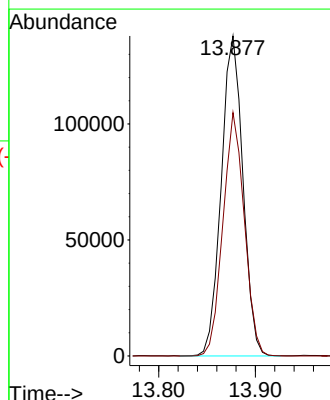
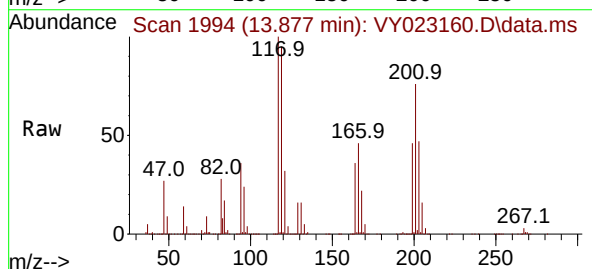
RT: 13.877 min Scan# 1994

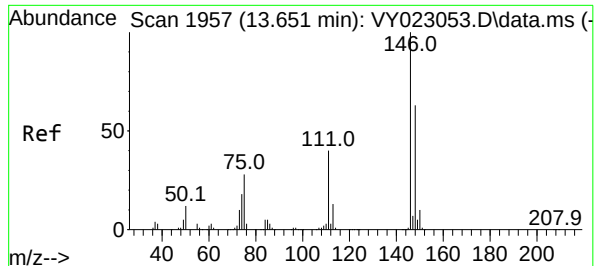
Delta R.T. 0.006 min

Lab File: VY023160.D

Acq: 19 Aug 2025 19:08

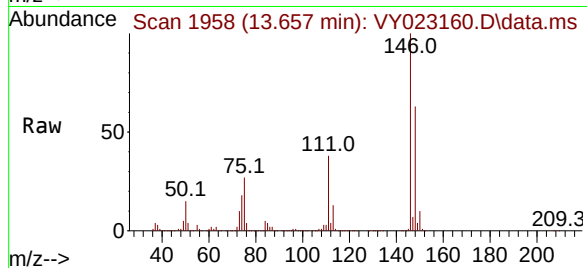
Tgt Ion:	117	Resp:	214503
Ion Ratio	Lower	Upper	
117	100		
201	75.0	38.4	115.1





#91
1,2-Dichlorobenzene
Concen: 49.177 ug/l
RT: 13.657 min Scan# 1957
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

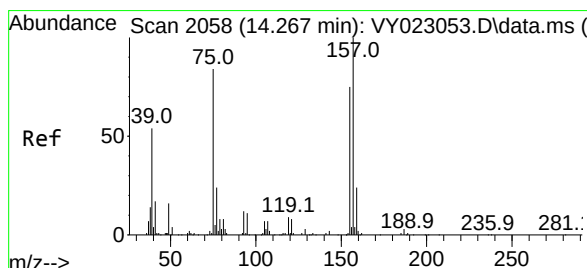
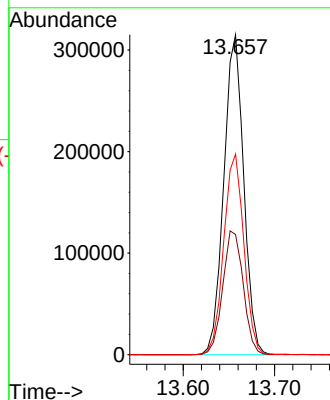
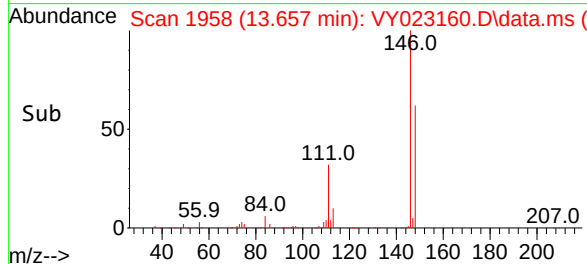
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC



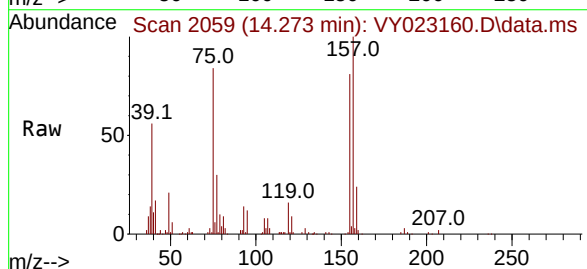
Tgt Ion:146 Resp: 477680
Ion Ratio Lower Upper
146 100
111 39.9 20.3 60.8
148 63.5 32.2 96.6

Manual Integrations
APPROVED

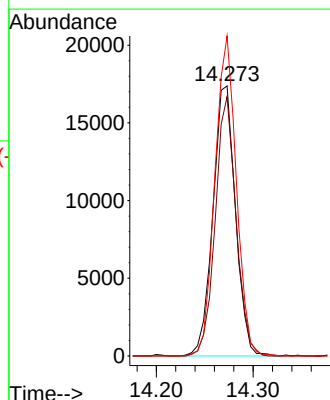
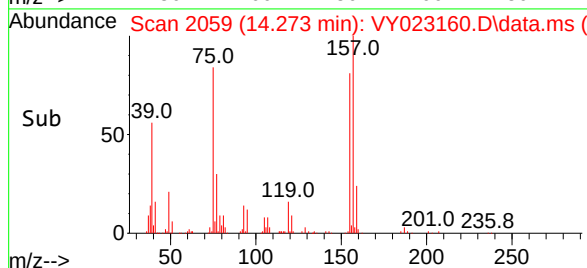
Reviewed By :John Carlone 08/20/2025
Supervised By :Mahesh Dadoda 08/20/2025

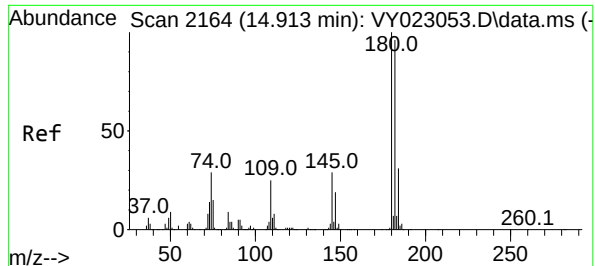


#92
1,2-Dibromo-3-Chloropropane
Concen: 44.839 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08



Tgt Ion: 75 Resp: 28063
Ion Ratio Lower Upper
75 100
155 88.7 43.9 131.6
157 112.5 57.2 171.6





#93

1,2,4-Trichlorobenzene

Concen: 45.553 ug/l

RT: 14.913 min Scan# 2164

Delta R.T. 0.000 min

Lab File: VY023160.D

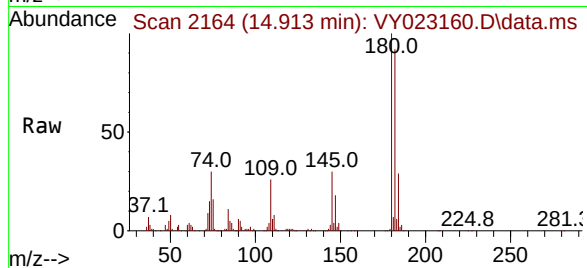
Acq: 19 Aug 2025 19:08

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC



Tgt Ion:180 Resp: 261664

Ion Ratio Lower Upper

180 100

182 95.4 46.8 140.4

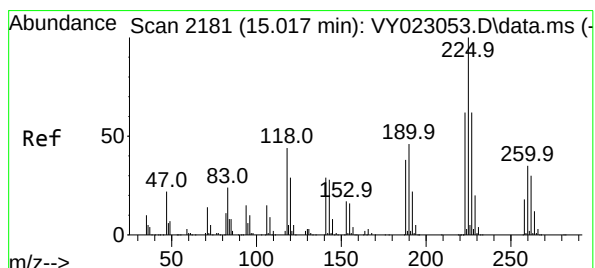
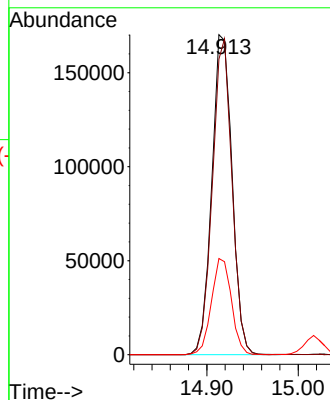
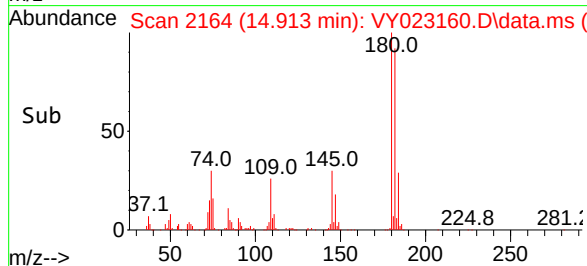
145 29.7 14.4 43.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/20/2025

Supervised By :Mahesh Dadoda 08/20/2025



#94

Hexachlorobutadiene

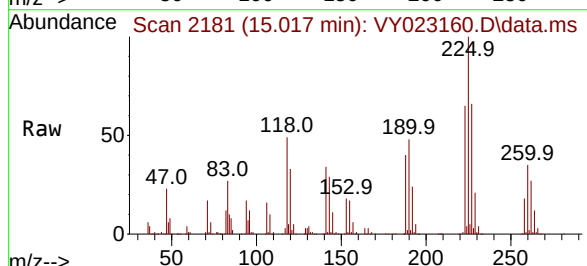
Concen: 45.434 ug/l

RT: 15.017 min Scan# 2181

Delta R.T. 0.000 min

Lab File: VY023160.D

Acq: 19 Aug 2025 19:08



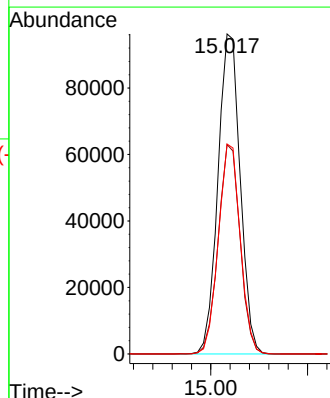
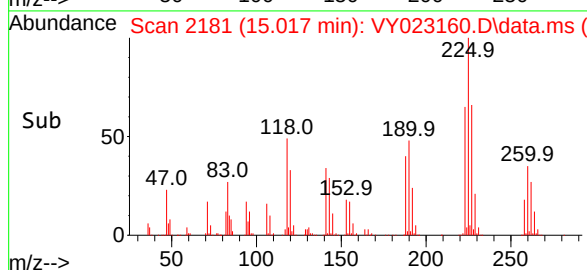
Tgt Ion:225 Resp: 153359

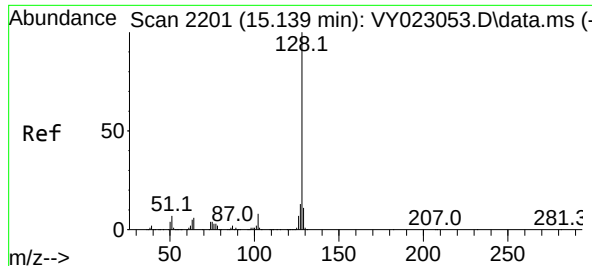
Ion Ratio Lower Upper

225 100

223 64.2 31.3 93.8

227 64.6 31.5 94.5





#95

Naphthalene

Concen: 46.168 ug/l

RT: 15.139 min Scan# 21

Delta R.T. 0.000 min

Lab File: VY023160.D

Acq: 19 Aug 2025 19:08

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tgt Ion:128 Resp: 45221

Ion Ratio Lower Upper

128 100

127 12.8 10.4 15.6

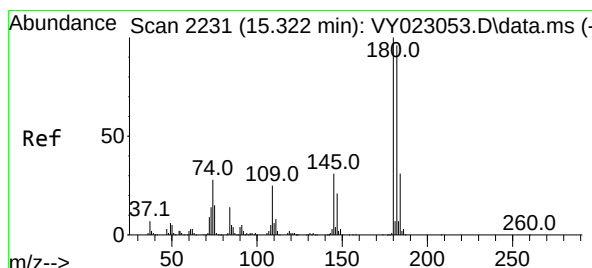
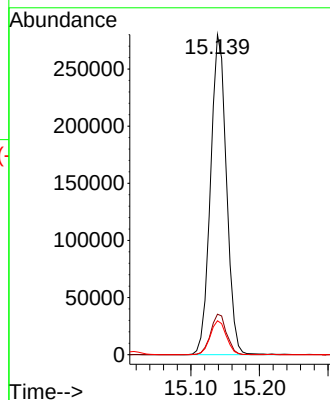
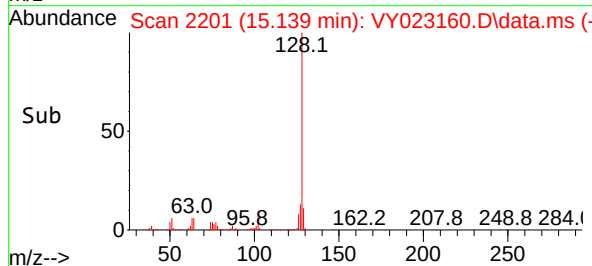
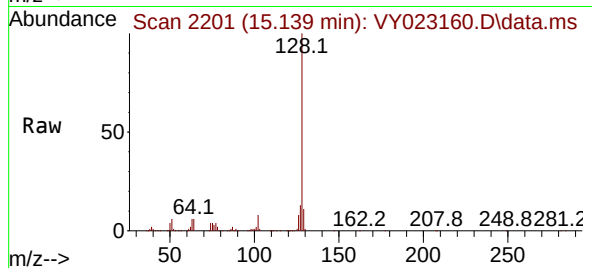
129 10.7 9.0 13.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/20/2025

Supervised By :Mahesh Dadoda 08/20/2025



#96

1,2,3-Trichlorobenzene

Concen: 45.311 ug/l

RT: 15.328 min Scan# 2232

Delta R.T. 0.006 min

Lab File: VY023160.D

Acq: 19 Aug 2025 19:08

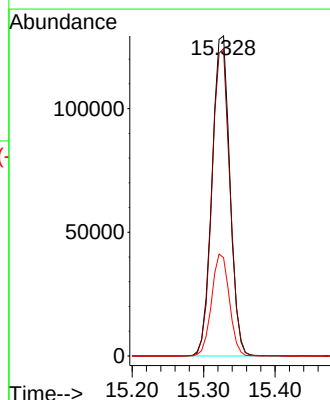
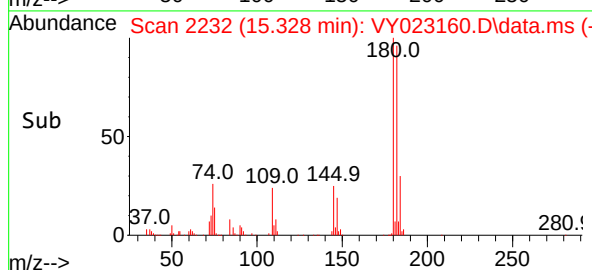
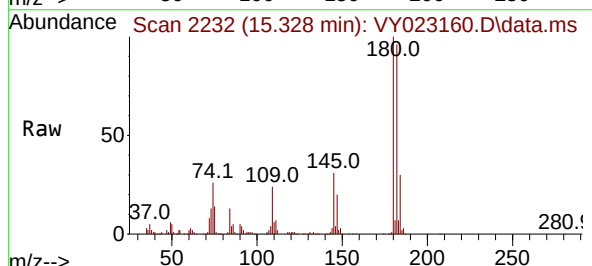
Tgt Ion:180 Resp: 224276

Ion Ratio Lower Upper

180 100

182 96.6 47.9 143.7

145 31.5 15.9 47.7



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081925\
Data File : VY023160.D
Acq On : 19 Aug 2025 19:08
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Aug 20 01:34:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	1.000	1.000	0.0	84	0.00
2 T	Dichlorodifluoromethane	0.408	0.320	21.6	77	0.00
3 P	Chloromethane	0.661	0.610	7.7	85	0.00
4 C	Vinyl Chloride	0.817	0.782	4.3#	86	0.00
5 T	Bromomethane	0.610	0.614	-0.7	96	0.00
6 T	Chloroethane	0.543	0.553	-1.8	90	0.00
7 T	Trichlorofluoromethane	0.994	0.893	10.2	80	0.00
8 T	Diethyl Ether	0.263	0.245	6.8	82	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.490	0.442	9.8	81	0.00
10 T	Methyl Iodide	0.529	0.581	-9.8	89	0.00
11 T	Tert butyl alcohol	0.033	0.028	15.2	73	0.00
12 CM	1,1-Dichloroethene	0.482	0.454	5.8#	83	0.00
13 T	Acrolein	0.048	0.021	56.3#	40#	0.00
14 T	Allyl chloride	0.709	0.635	10.4	78	0.00
15 T	Acrylonitrile	0.107	0.101	5.6	80	0.00
16 T	Acetone	0.103	0.077	25.2#	63	0.00
17 T	Carbon Disulfide	1.571	1.447	7.9	82	0.00
18 T	Methyl Acetate	0.307	0.309	-0.7	81	0.00
19 T	Methyl tert-butyl Ether	1.249	1.186	5.0	81	0.00
20 T	Methylene Chloride	0.620	0.539	13.1	89	0.00
21 T	trans-1,2-Dichloroethene	0.541	0.543	-0.4	87	0.01
22 T	Diisopropyl ether	1.541	1.476	4.2	82	0.00
23 T	Vinyl Acetate	0.852	0.761	10.7	76	0.00
24 P	1,1-Dichloroethane	0.942	0.933	1.0	86	0.00
25 T	2-Butanone	0.140	0.118	15.7	70	0.01
26 T	2,2-Dichloropropane	0.813	0.727	10.6	78	0.00
27 T	cis-1,2-Dichloroethene	0.626	0.631	-0.8	87	0.00
28 T	Bromochloromethane	0.374	0.372	0.5	86	0.00
29 T	Tetrahydrofuran	0.087	0.078	10.3	75	0.00
30 C	Chloroform	0.971	0.985	-1.4#	88	0.00
31 T	Cyclohexane	0.888	0.746	16.0	77	0.00
32 T	1,1,1-Trichloroethane	0.862	0.852	1.2	86	0.00
33 S	1,2-Dichloroethane-d4	0.477	0.470	1.5	86	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	85	0.00
35 S	Dibromofluoromethane	0.299	0.299	0.0	86	0.00
36 T	1,1-Dichloropropene	0.445	0.425	4.5	83	0.00
37 T	Ethyl Acetate	0.187	0.166	11.2	75	0.00
38 T	Carbon Tetrachloride	0.483	0.470	2.7	85	0.00
39 T	Methylcyclohexane	0.586	0.534	8.9	80	0.00
40 TM	Benzene	1.370	1.375	-0.4	87	0.00
41 T	Methacrylonitrile	0.108	0.090	16.7	70	0.00
42 TM	1,2-Dichloroethane	0.356	0.348	2.2	85	0.00
43 T	Isopropyl Acetate	0.378	0.337	10.8	77	0.00
44 TM	Trichloroethene	0.354	0.367	-3.7	91	0.00
45 C	1,2-Dichloropropane	0.315	0.314	0.3#	86	0.00
46 T	Dibromomethane	0.181	0.181	0.0	86	0.00
47 T	Bromodichloromethane	0.466	0.472	-1.3	87	0.00
48 T	Methyl methacrylate	0.181	0.163	9.9	74	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081925\
Data File : VY023160.D
Acq On : 19 Aug 2025 19:08
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Aug 20 01:34:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	1,4-Dioxane	0.002	0.002	0.0	81	0.00
50 S	Toluene-d8	1.169	1.189	-1.7	88	0.00
51 T	4-Methyl-2-Pentanone	0.195	0.181	7.2	77	0.00
52 CM	Toluene	0.870	0.891	-2.4#	88	0.00
53 T	t-1,3-Dichloropropene	0.422	0.407	3.6	82	0.00
54 T	cis-1,3-Dichloropropene	0.499	0.486	2.6	83	0.00
55 T	1,1,2-Trichloroethane	0.242	0.243	-0.4	86	0.00
56 T	Ethyl methacrylate	0.310	0.300	3.2	80	0.00
57 T	1,3-Dichloropropane	0.411	0.402	2.2	84	0.00
58 T	2-Chloroethyl Vinyl ether	0.146	0.152	-4.1	83	0.00
59 T	2-Hexanone	0.133	0.120	9.8	74	0.00
60 T	Dibromochloromethane	0.320	0.328	-2.5	88	0.00
61 T	1,2-Dibromoethane	0.228	0.226	0.9	85	0.00
62 S	4-Bromofluorobenzene	0.376	0.378	-0.5	87	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	86	0.00
64 T	Tetrachloroethene	0.446	0.501	-12.3	99	0.00
65 PM	Chlorobenzene	1.079	1.088	-0.8	89	0.00
66 T	1,1,1,2-Tetrachloroethane	0.366	0.376	-2.7	90	0.00
67 C	Ethyl Benzene	1.856	1.889	-1.8#	87	0.00
68 T	m/p-Xylenes	0.725	0.747	-3.0	90	0.00
69 T	o-Xylene	0.679	0.703	-3.5	88	0.00
70 T	Styrene	1.110	1.180	-6.3	90	0.00
71 P	Bromoform	0.214	0.210	1.9	84	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	88	0.00
73 T	Isopropylbenzene	3.529	3.482	1.3	88	0.00
74 T	N-amyl acetate	0.748	0.653	12.7	75	0.00
75 P	1,1,2,2-Tetrachloroethane	0.603	0.519	13.9	78	0.00
76 T	1,2,3-Trichloropropane	0.483	0.467	3.3	77	0.00
77 T	Bromobenzene	0.842	0.820	2.6	87	0.00
78 T	n-propylbenzene	4.201	4.160	1.0	87	0.00
79 T	2-Chlorotoluene	2.407	2.351	2.3	87	0.00
80 T	1,3,5-Trimethylbenzene	2.852	2.862	-0.4	88	0.00
81 T	trans-1,4-Dichloro-2-butene	0.199	0.172	13.6	77	0.00
82 T	4-Chlorotoluene	2.497	2.447	2.0	88	0.00
83 T	tert-Butylbenzene	2.576	2.572	0.2	88	0.00
84 T	1,2,4-Trimethylbenzene	2.839	2.868	-1.0	89	0.00
85 T	sec-Butylbenzene	3.784	3.745	1.0	88	0.00
86 T	p-Isopropyltoluene	3.141	3.194	-1.7	89	0.00
87 T	1,3-Dichlorobenzene	1.660	1.648	0.7	90	0.00
88 T	1,4-Dichlorobenzene	1.647	1.601	2.8	88	0.00
89 T	n-Butylbenzene	2.885	2.870	0.5	87	0.00
90 T	Hexachloroethane	0.643	0.643	0.0	90	0.00
91 T	1,2-Dichlorobenzene	1.456	1.432	1.6	89	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.094	0.084	10.6	78	0.00
93 T	1,2,4-Trichlorobenzene	0.861	0.784	8.9	82	0.00
94 T	Hexachlorobutadiene	0.506	0.460	9.1	83	0.00
95 T	Naphthalene	1.468	1.356	7.6	80	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081925\
Data File : VY023160.D
Acq On : 19 Aug 2025 19:08
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Aug 20 01:34:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.742	0.672	9.4	82	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081925\
Data File : VY023160.D
Acq On : 19 Aug 2025 19:08
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Aug 20 01:34:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	50.000	50.000	0.0	84	0.00
2 T	Dichlorodifluoromethane	50.000	39.160	21.7	77	0.00
3 P	Chloromethane	50.000	46.137	7.7	85	0.00
4 C	Vinyl Chloride	50.000	47.848	4.3#	86	0.00
5 T	Bromomethane	50.000	50.342	-0.7	96	0.00
6 T	Chloroethane	50.000	50.860	-1.7	90	0.00
7 T	Trichlorofluoromethane	50.000	44.950	10.1	80	0.00
8 T	Diethyl Ether	50.000	46.597	6.8	82	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	45.085	9.8	81	0.00
10 T	Methyl Iodide	50.000	54.928	-9.9	89	0.00
11 T	Tert butyl alcohol	250.000	211.323	15.5	73	0.00
12 CM	1,1-Dichloroethene	50.000	47.120	5.8#	83	0.00
13 T	Acrolein	250.000	110.581	55.8#	40	0.00
14 T	Allyl chloride	50.000	44.800	10.4	78	0.00
15 T	Acrylonitrile	250.000	235.673	5.7	80	0.00
16 T	Acetone	250.000	187.073	25.2#	63	0.00
17 T	Carbon Disulfide	50.000	46.066	7.9	82	0.00
18 T	Methyl Acetate	50.000	50.290	-0.6	81	0.00
19 T	Methyl tert-butyl Ether	50.000	47.480	5.0	81	0.00
20 T	Methylene Chloride	50.000	50.247	-0.5	89	0.00
21 T	trans-1,2-Dichloroethene	50.000	50.119	-0.2	87	0.01
22 T	Diisopropyl ether	50.000	47.919	4.2	82	0.00
23 T	Vinyl Acetate	250.000	223.289	10.7	76	0.00
24 P	1,1-Dichloroethane	50.000	49.522	1.0	86	0.00
25 T	2-Butanone	250.000	210.456	15.8	70	0.01
26 T	2,2-Dichloropropane	50.000	44.729	10.5	78	0.00
27 T	cis-1,2-Dichloroethene	50.000	50.390	-0.8	87	0.00
28 T	Bromochloromethane	50.000	49.712	0.6	86	0.00
29 T	Tetrahydrofuran	250.000	223.965	10.4	75	0.00
30 C	Chloroform	50.000	50.699	-1.4#	88	0.00
31 T	Cyclohexane	50.000	42.047	15.9	77	0.00
32 T	1,1,1-Trichloroethane	50.000	49.443	1.1	86	0.00
33 S	1,2-Dichloroethane-d4	50.000	49.322	1.4	86	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	85	0.00
35 S	Dibromofluoromethane	50.000	49.903	0.2	86	0.00
36 T	1,1-Dichloropropene	50.000	47.746	4.5	83	0.00
37 T	Ethyl Acetate	50.000	44.444	11.1	75	0.00
38 T	Carbon Tetrachloride	50.000	48.612	2.8	85	0.00
39 T	Methylcyclohexane	50.000	45.580	8.8	80	0.00
40 TM	Benzene	50.000	50.170	-0.3	87	0.00
41 T	Methacrylonitrile	50.000	41.877	16.2	70	0.00
42 TM	1,2-Dichloroethane	50.000	48.835	2.3	85	0.00
43 T	Isopropyl Acetate	50.000	44.694	10.6	77	0.00
44 TM	Trichloroethene	50.000	51.782	-3.6	91	0.00
45 C	1,2-Dichloropropane	50.000	49.829	0.3#	86	0.00
46 T	Dibromomethane	50.000	49.971	0.1	86	0.00
47 T	Bromodichloromethane	50.000	50.703	-1.4	87	0.00
48 T	Methyl methacrylate	50.000	45.021	10.0	74	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081925\
Data File : VY023160.D
Acq On : 19 Aug 2025 19:08
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Aug 20 01:34:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49 T	1,4-Dioxane	1000.000	946.444	5.4	81	0.00
50 S	Toluene-d8	50.000	50.853	-1.7	88	0.00
51 T	4-Methyl-2-Pentanone	250.000	231.971	7.2	77	0.00
52 CM	Toluene	50.000	51.179	-2.4#	88	0.00
53 T	t-1,3-Dichloropropene	50.000	48.297	3.4	82	0.00
54 T	cis-1,3-Dichloropropene	50.000	48.751	2.5	83	0.00
55 T	1,1,2-Trichloroethane	50.000	50.180	-0.4	86	0.00
56 T	Ethyl methacrylate	50.000	48.375	3.3	80	0.00
57 T	1,3-Dichloropropane	50.000	48.952	2.1	84	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	259.330	-3.7	83	0.00
59 T	2-Hexanone	250.000	225.681	9.7	74	0.00
60 T	Dibromochloromethane	50.000	51.365	-2.7	88	0.00
61 T	1,2-Dibromoethane	50.000	49.588	0.8	85	0.00
62 S	4-Bromofluorobenzene	50.000	50.308	-0.6	87	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	86	0.00
64 T	Tetrachloroethene	50.000	56.055	-12.1	99	0.00
65 PM	Chlorobenzene	50.000	50.434	-0.9	89	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	51.411	-2.8	90	0.00
67 C	Ethyl Benzene	50.000	50.888	-1.8#	87	0.00
68 T	m/p-Xylenes	100.000	103.051	-3.1	90	0.00
69 T	o-Xylene	50.000	51.799	-3.6	88	0.00
70 T	Styrene	50.000	53.132	-6.3	90	0.00
71 P	Bromoform	50.000	48.980	2.0	84	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	88	0.00
73 T	Isopropylbenzene	50.000	49.330	1.3	88	0.00
74 T	N-amyl acetate	50.000	43.613	12.8	75	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	43.025	14.0	78	0.00
76 T	1,2,3-Trichloropropane	50.000	48.345	3.3	77	0.00
77 T	Bromobenzene	50.000	48.690	2.6	87	0.00
78 T	n-propylbenzene	50.000	49.502	1.0	87	0.00
79 T	2-Chlorotoluene	50.000	48.829	2.3	87	0.00
80 T	1,3,5-Trimethylbenzene	50.000	50.180	-0.4	88	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	43.134	13.7	77	0.00
82 T	4-Chlorotoluene	50.000	48.995	2.0	88	0.00
83 T	tert-Butylbenzene	50.000	49.921	0.2	88	0.00
84 T	1,2,4-Trimethylbenzene	50.000	50.510	-1.0	89	0.00
85 T	sec-Butylbenzene	50.000	49.485	1.0	88	0.00
86 T	p-Isopropyltoluene	50.000	50.842	-1.7	89	0.00
87 T	1,3-Dichlorobenzene	50.000	49.644	0.7	90	0.00
88 T	1,4-Dichlorobenzene	50.000	48.611	2.8	88	0.00
89 T	n-Butylbenzene	50.000	49.746	0.5	87	0.00
90 T	Hexachloroethane	50.000	50.008	-0.0	90	0.00
91 T	1,2-Dichlorobenzene	50.000	49.177	1.6	89	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	44.839	10.3	78	0.00
93 T	1,2,4-Trichlorobenzene	50.000	45.553	8.9	82	0.00
94 T	Hexachlorobutadiene	50.000	45.434	9.1	83	0.00
95 T	Naphthalene	50.000	46.168	7.7	80	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081925\
Data File : VY023160.D
Acq On : 19 Aug 2025 19:08
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Aug 20 01:34:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	45.311	9.4	82	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6



QC SAMPLE DATA

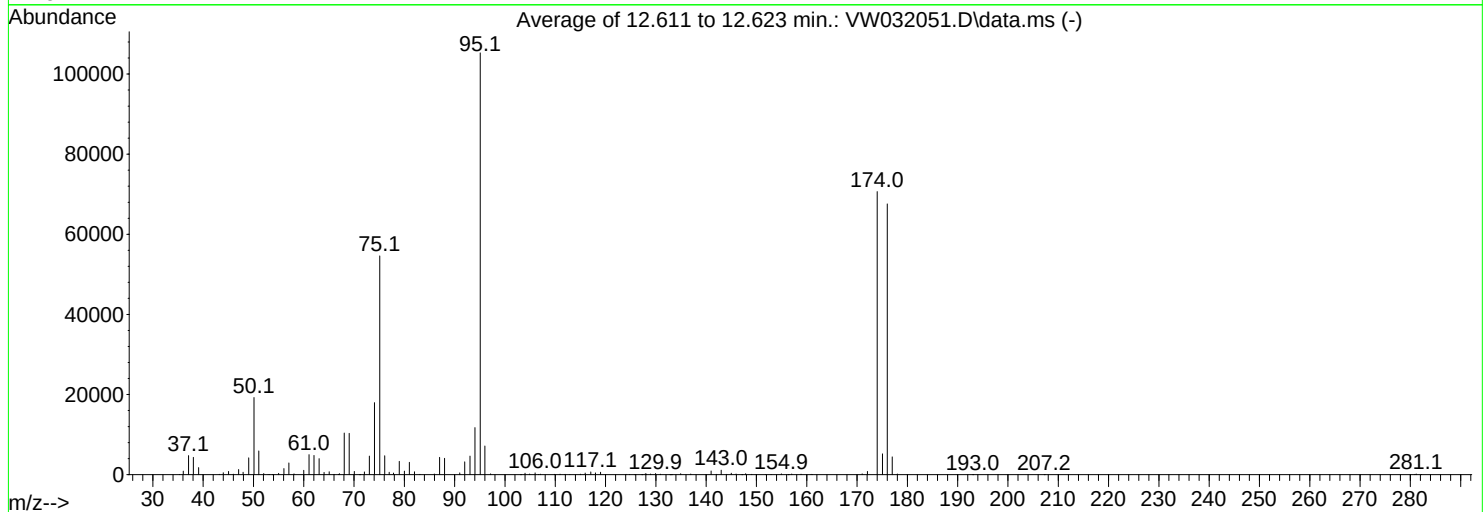
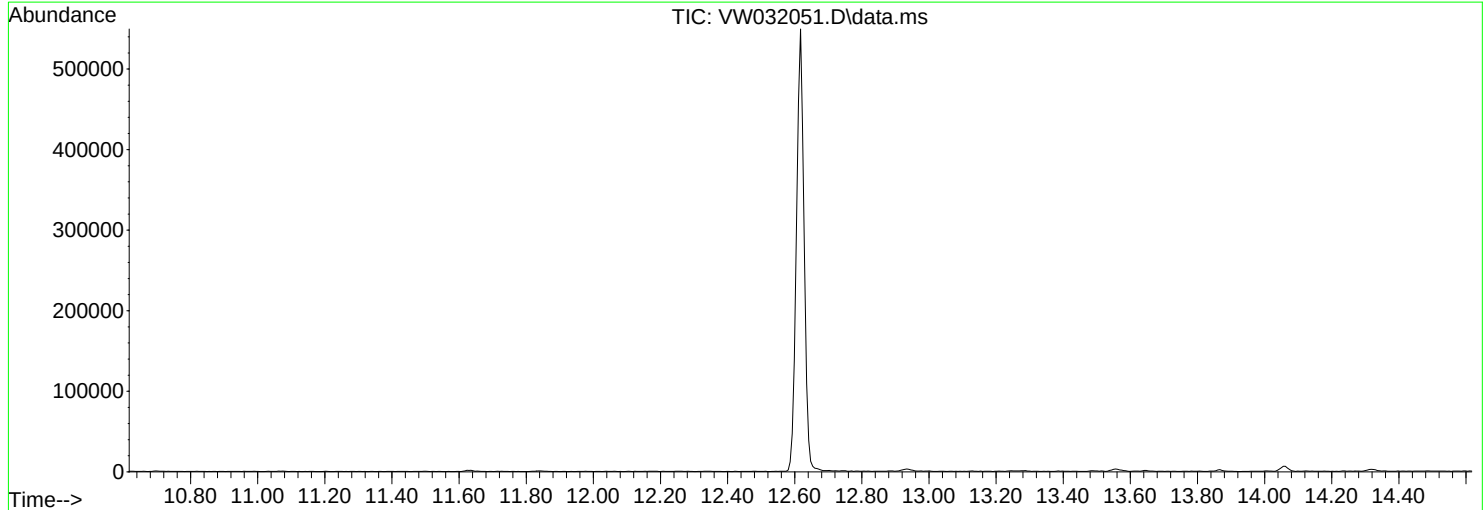
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- 17
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- 19

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081125\
Data File : VW032051.D
Acq On : 11 Aug 2025 07:53
Operator : SY/MD
Sample : BFB
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Title : SW846 8260
Last Update : Tue Aug 12 04:04:48 2025



AutoFind: Scans 1759, 1760, 1761; Background Corrected with Scan 1750

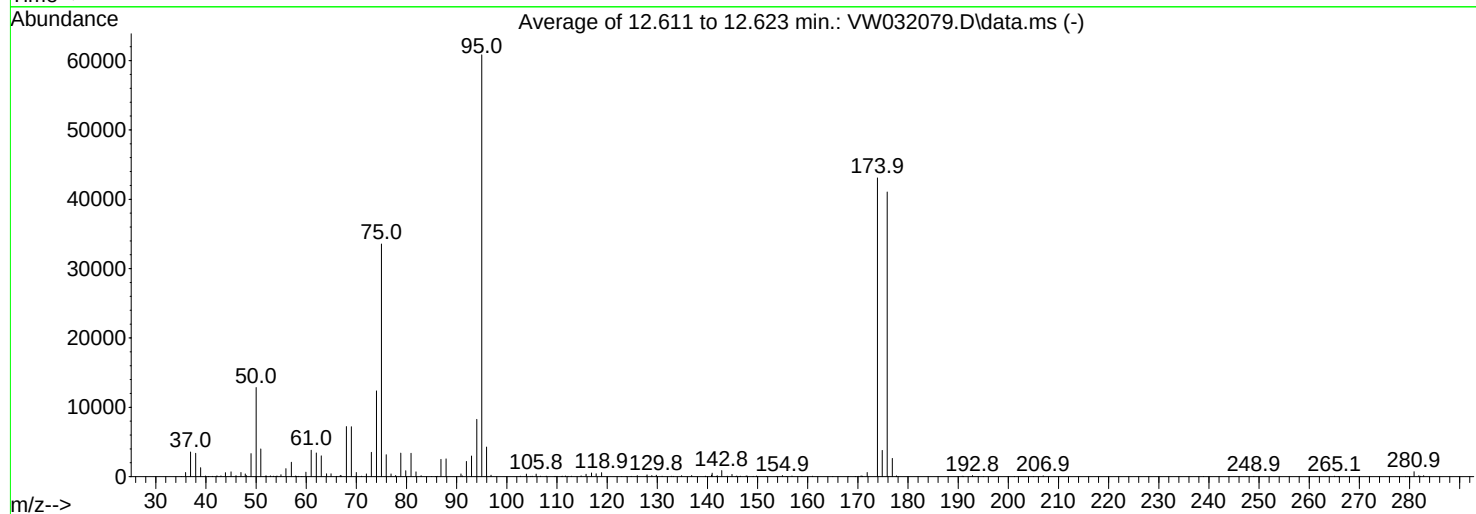
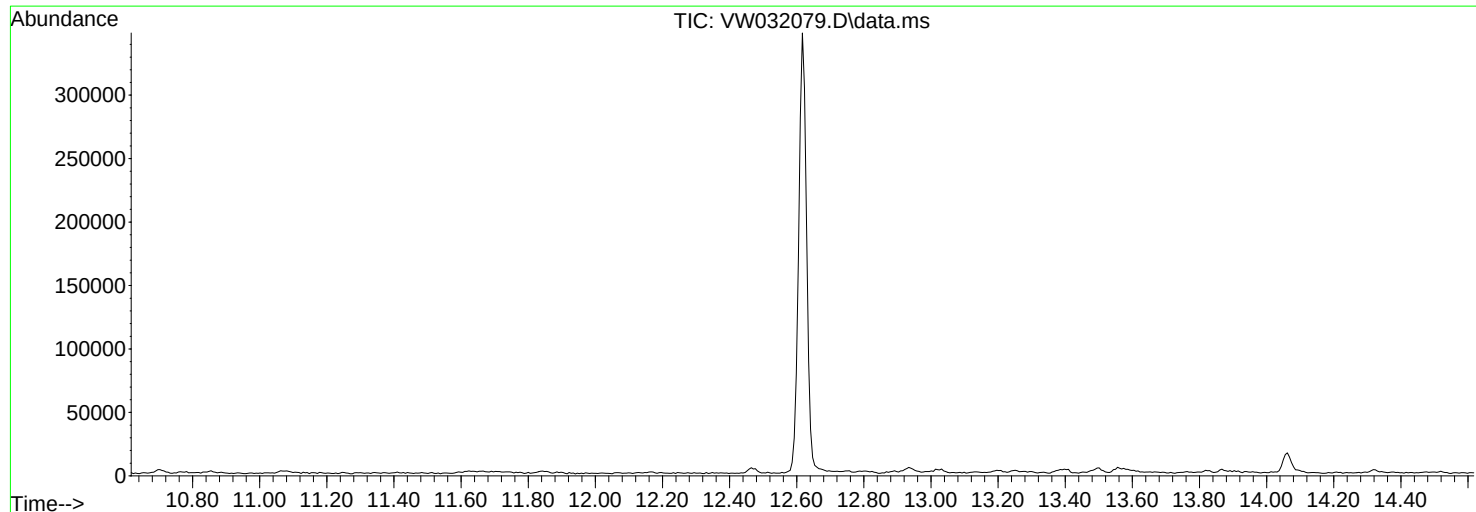
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Mass	Mass	Limit%	Limit%	Abn%	Abn	Pass/Fail
50	95	15	40	18.3	19253	PASS
75	95	30	60	51.9	54621	PASS
95	95	100	100	100.0	105291	PASS
96	95	5	9	6.8	7140	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	67.1	70667	PASS
175	174	5	9	7.3	5189	PASS
176	174	95	101	95.6	67573	PASS
177	176	5	9	6.5	4421	PASS

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
Data File : VW032079.D
Acq On : 14 Aug 2025 09:05
Operator : SY/MD
Sample : BFB
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Title : SW846 8260
Last Update : Tue Aug 12 04:04:48 2025



AutoFind: Scans 1759, 1760, 1761; Background Corrected with Scan 1749

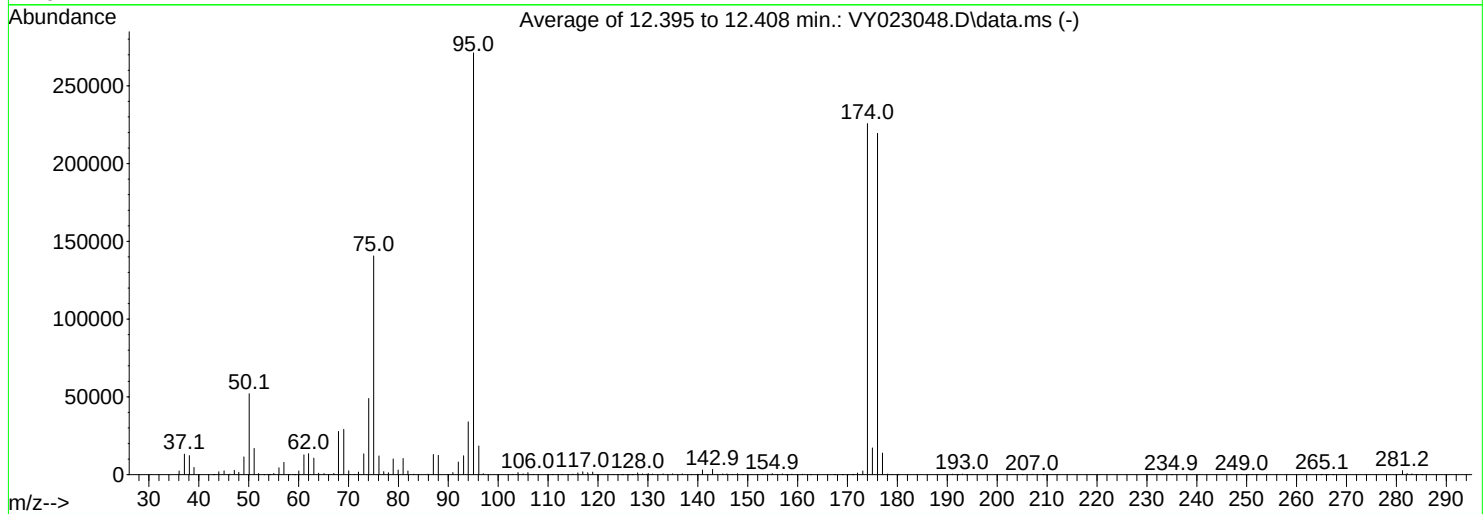
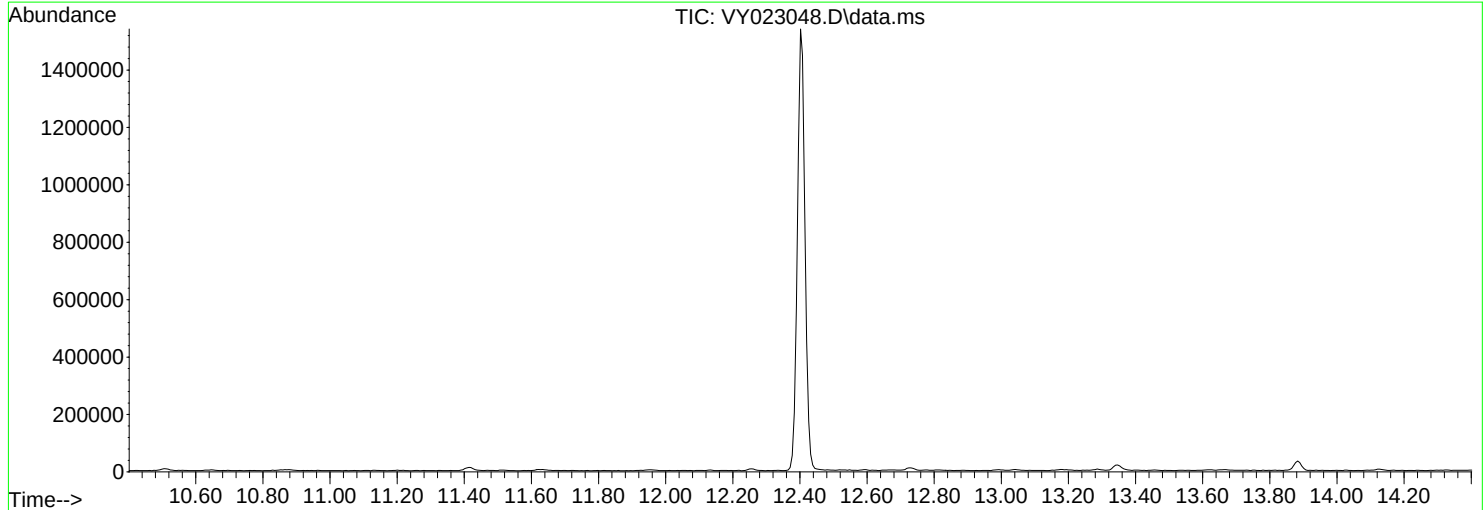
Target	Rel. to	Lower	Upper	Rel.	Raw	Result
Mass	Mass	Limit%	Limit%	Abn%	Abn	Pass/Fail
50	95	15	40	21.1	12850	PASS
75	95	30	60	55.2	33549	PASS
95	95	100	100	100.0	60829	PASS
96	95	5	9	7.0	4268	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	70.8	43085	PASS
175	174	5	9	8.8	3797	PASS
176	174	95	101	95.3	41045	PASS
177	176	5	9	6.4	2626	PASS

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081225\
Data File : VY023048.D
Acq On : 12 Aug 2025 08:26
Operator : SY/MD
Sample : BFB
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Title : SW846 8260
Last Update : Wed Aug 13 02:10:11 2025



AutoFind: Scans 1751, 1752, 1753; Background Corrected with Scan 1743

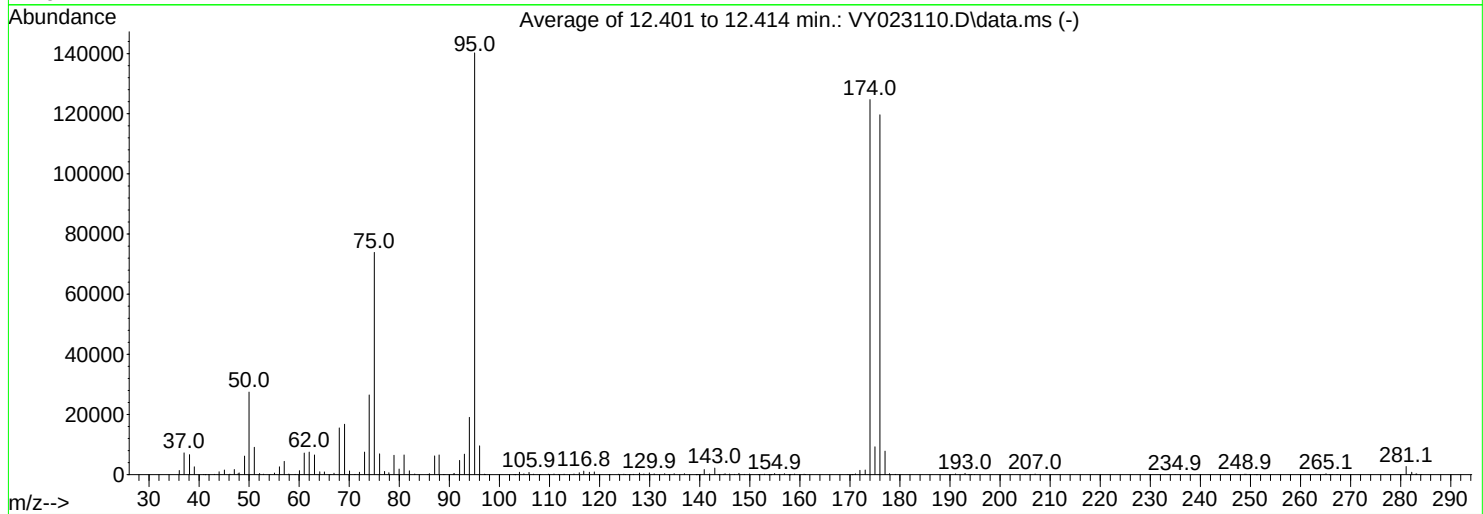
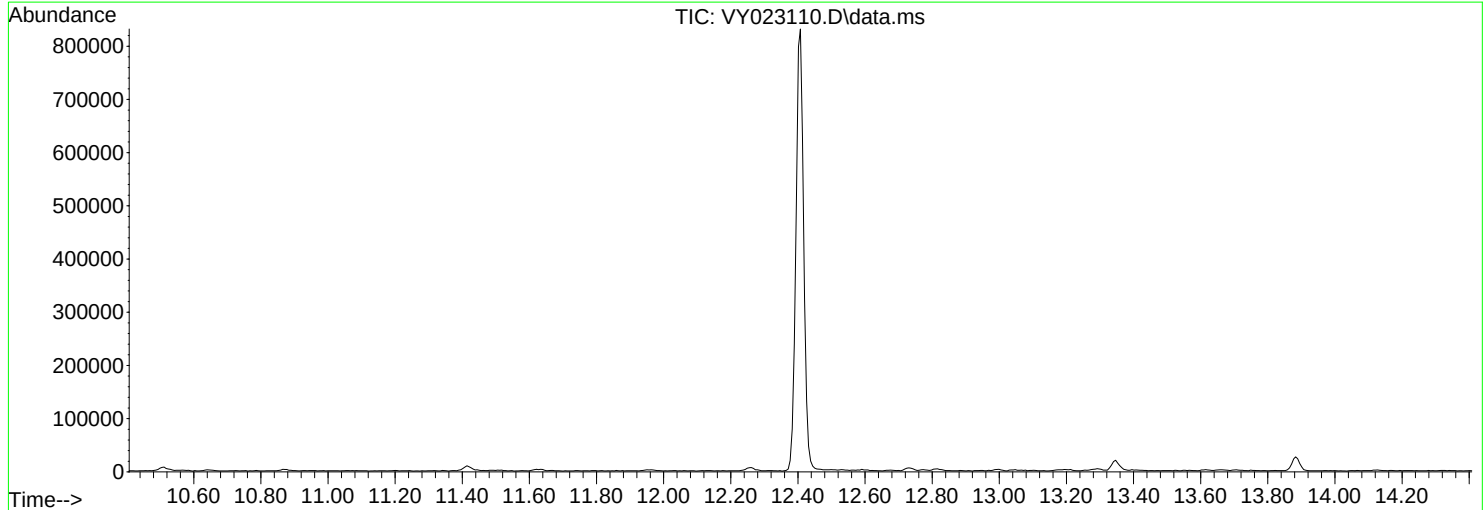
Target	Rel. to	Lower	Upper	Rel.	Raw	Result
Mass	Mass	Limit%	Limit%	Abn%	Abn	Pass/Fail
50	95	15	40	19.2	52107	PASS
75	95	30	60	51.9	140677	PASS
95	95	100	100	100.0	271211	PASS
96	95	5	9	6.8	18415	PASS
173	174	0.00	2	1.1	2383	PASS
174	95	50	100	83.2	225707	PASS
175	174	5	9	7.6	17158	PASS
176	174	95	101	97.2	219435	PASS
177	176	5	9	6.4	13937	PASS

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081525\
Data File : VY023110.D
Acq On : 15 Aug 2025 08:07
Operator : SY/MD
Sample : BFB
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Title : SW846 8260
Last Update : Wed Aug 13 02:10:11 2025



AutoFind: Scans 1752, 1753, 1754; Background Corrected with Scan 1743

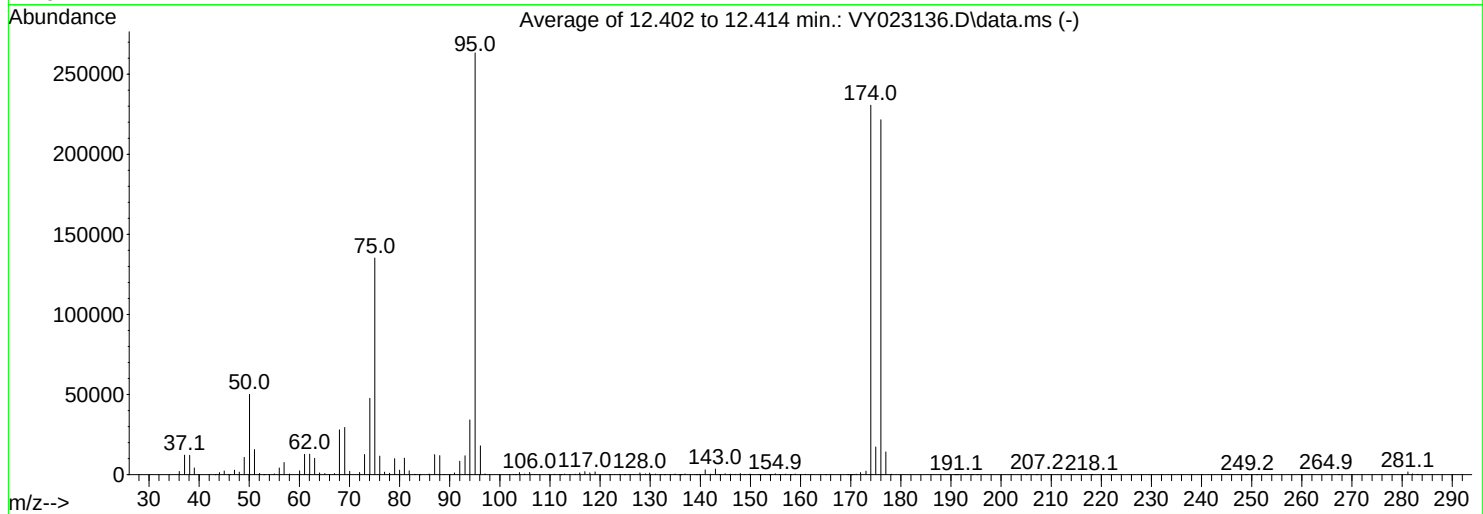
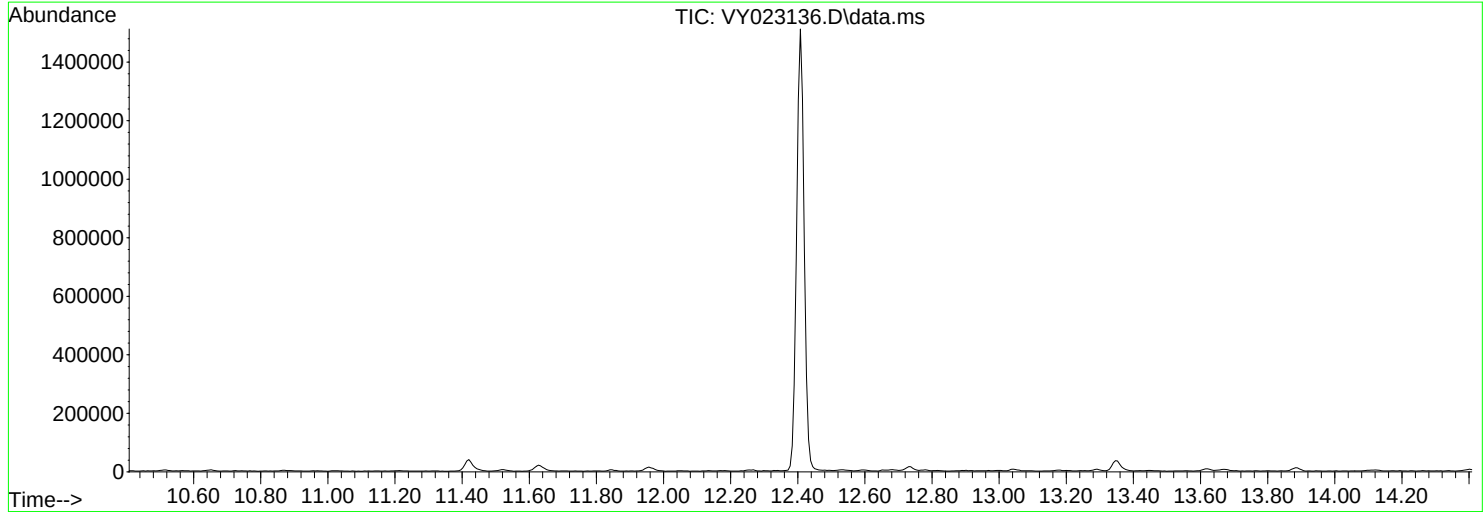
Target	Rel. to	Lower	Upper	Rel.	Raw	Result
Mass	Mass	Limit%	Limit%	Abn%	Abn	Pass/Fail
50	95	15	40	19.6	27445	PASS
75	95	30	60	52.7	73891	PASS
95	95	100	100	100.0	140256	PASS
96	95	5	9	6.8	9601	PASS
173	174	0.00	2	1.2	1524	PASS
174	95	50	100	88.9	124701	PASS
175	174	5	9	7.4	9275	PASS
176	174	95	101	96.0	119685	PASS
177	176	5	9	6.5	7810	PASS

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081925\
Data File : VY023136.D
Acq On : 19 Aug 2025 07:45
Operator : SY/MD
Sample : BFB
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 30 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Title : SW846 8260
Last Update : Wed Aug 13 02:10:11 2025



AutoFind: Scans 1752, 1753, 1754; Background Corrected with Scan 1742

Target	Rel. to	Lower	Upper	Rel.	Raw	Result
Mass	Mass	Limit%	Limit%	Abn%	Abn	Pass/Fail
50	95	15	40	19.1	50171	PASS
75	95	30	60	51.4	135277	PASS
95	95	100	100	100.0	263317	PASS
96	95	5	9	6.8	17949	PASS
173	174	0.00	2	1.0	2231	PASS
174	95	50	100	87.6	230592	PASS
175	174	5	9	7.5	17273	PASS
176	174	95	101	96.1	221525	PASS
177	176	5	9	6.4	14202	PASS

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	
Project:	USACE018-44 DOD	Date Received:	
Client Sample ID:	VW0814SBL01	SDG No.:	Q2820
Lab Sample ID:	VW0814SBL01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032081.D	1	08/14/25 10:00	VW081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	4.00	U	1.10	4.00	5.00	ug/Kg
74-87-3	Chloromethane	2.50	U	1.10	2.50	5.00	ug/Kg
75-01-4	Vinyl Chloride	2.50	U	0.79	2.50	5.00	ug/Kg
74-83-9	Bromomethane	4.00	U	1.10	4.00	5.00	ug/Kg
75-00-3	Chloroethane	2.50	U	1.30	2.50	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	4.00	U	1.20	4.00	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	2.50	U	1.10	2.50	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	2.50	U	1.00	2.50	5.00	ug/Kg
67-64-1	Acetone	20.0	U	4.70	20.0	25.0	ug/Kg
75-15-0	Carbon Disulfide	4.00	U	1.10	4.00	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	2.50	U	0.73	2.50	5.00	ug/Kg
79-20-9	Methyl Acetate	4.00	U	1.50	4.00	5.00	ug/Kg
75-09-2	Methylene Chloride	8.00	U	3.50	8.00	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	2.50	U	0.86	2.50	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	2.50	U	0.80	2.50	5.00	ug/Kg
110-82-7	Cyclohexane	2.50	U	0.79	2.50	5.00	ug/Kg
78-93-3	2-Butanone	20.0	U	6.50	20.0	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	2.50	U	0.97	2.50	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	2.50	U	0.75	2.50	5.00	ug/Kg
74-97-5	Bromochloromethane	4.00	U	1.20	4.00	5.00	ug/Kg
67-66-3	Chloroform	4.00	U	0.84	4.00	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	2.50	U	0.93	2.50	5.00	ug/Kg
108-87-2	Methylcyclohexane	2.50	U	0.91	2.50	5.00	ug/Kg
71-43-2	Benzene	2.50	U	0.79	2.50	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	2.50	U	0.79	2.50	5.00	ug/Kg
79-01-6	Trichloroethene	2.50	U	0.81	2.50	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	2.50	U	0.91	2.50	5.00	ug/Kg
75-27-4	Bromodichloromethane	2.50	U	0.78	2.50	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	12.5	U	3.60	12.5	25.0	ug/Kg
108-88-3	Toluene	2.50	U	0.78	2.50	5.00	ug/Kg

Report of Analysis

Client:	First Environment, Inc.		Date Collected:	
Project:	USACE018-44 DOD		Date Received:	
Client Sample ID:	VW0814SBL01		SDG No.:	Q2820
Lab Sample ID:	VW0814SBL01		Matrix:	SOIL
Analytical Method:	8260D		% Solid:	100
Sample Wt/Vol:	5	Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032081.D	1	08/14/25 10:00	VW081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	2.50	U	0.65	2.50	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	2.50	U	0.62	2.50	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	2.50	U	0.92	2.50	5.00	ug/Kg
591-78-6	2-Hexanone	12.5	U	3.70	12.5	25.0	ug/Kg
124-48-1	Dibromochloromethane	2.50	U	0.87	2.50	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	2.50	U	0.88	2.50	5.00	ug/Kg
127-18-4	Tetrachloroethene	2.50	U	1.10	2.50	5.00	ug/Kg
108-90-7	Chlorobenzene	2.50	U	0.91	2.50	5.00	ug/Kg
100-41-4	Ethyl Benzene	2.50	U	0.67	2.50	5.00	ug/Kg
179601-23-1	m/p-Xylenes	5.00	U	1.20	5.00	10.0	ug/Kg
95-47-6	o-Xylene	2.50	U	0.82	2.50	5.00	ug/Kg
100-42-5	Styrene	2.50	U	0.71	2.50	5.00	ug/Kg
75-25-2	Bromoform	2.50	U	0.86	2.50	5.00	ug/Kg
98-82-8	Isopropylbenzene	2.50	U	0.78	2.50	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	2.50	U	1.20	2.50	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	2.50	U	1.70	2.50	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	2.50	U	1.60	2.50	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	2.50	U	1.50	2.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	4.00	U	1.80	4.00	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	4.00	U	3.00	4.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	4.00	U	3.20	4.00	5.00	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	54.7		71 - 136		109%	SPK: 50
1868-53-7	Dibromofluoromethane	54.7		78 - 119		109%	SPK: 50
2037-26-5	Toluene-d8	49.3		85 - 116		99%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.6		79 - 119		93%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	151000	7.959				
540-36-3	1,4-Difluorobenzene	297000	8.849				
3114-55-4	Chlorobenzene-d5	296000	11.629				
3855-82-1	1,4-Dichlorobenzene-d4	134000	13.556				

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	
Project:	USACE018-44 DOD	Date Received:	
Client Sample ID:	VW0814SBL01	SDG No.:	Q2820
Lab Sample ID:	VW0814SBL01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032081.D	1	08/14/25 10:00	VW081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
------------	-----------	-------	-----------	-----	-----	------------	-------

U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 E = Value Exceeds Calibration Range
 Q = indicates LCS control criteria did not meet requirements
 M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 N = Presumptive Evidence of a Compound
 * = Values outside of QC limits
 D = Dilution
 () = Laboratory InHouse Limit
 A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
Data File : VW032081.D
Acq On : 14 Aug 2025 10:00
Operator : SY/MD
Sample : VW0814SBL01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0814SBL01

Quant Time: Aug 18 03:46:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 12 04:04:48 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.959	168	151415	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	296729	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	295553	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	134418	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.313	65	119802	54.707	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	109.420%
35) Dibromofluoromethane	7.898	113	104879	54.710	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	109.420%
50) Toluene-d8	10.325	98	349304	49.265	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	98.520%
62) 4-Bromofluorobenzene	12.617	95	121836	46.629	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	93.260%

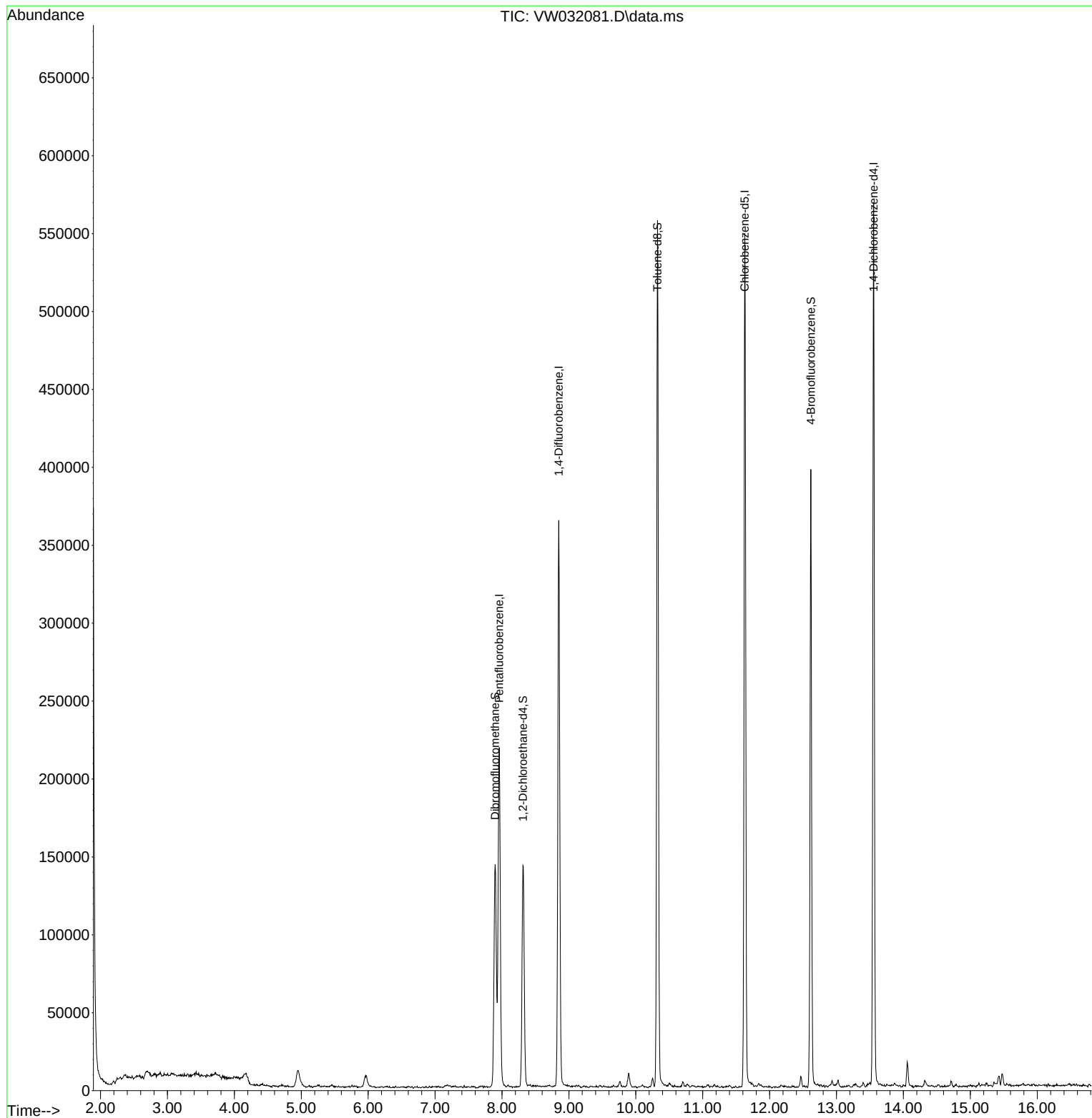
Target Compounds	Qvalue
------------------	--------

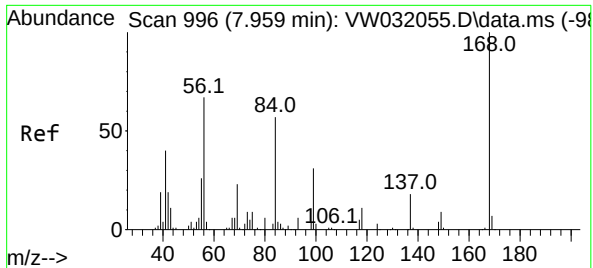
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
Data File : VW032081.D
Acq On : 14 Aug 2025 10:00
Operator : SY/MD
Sample : VW0814SBL01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0814SBL01

Quant Time: Aug 18 03:46:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 12 04:04:48 2025
Response via : Initial Calibration

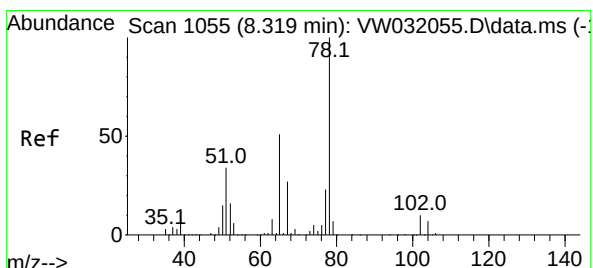
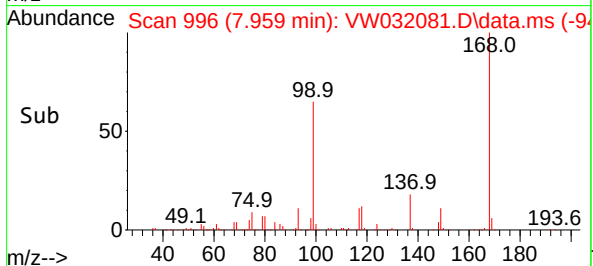
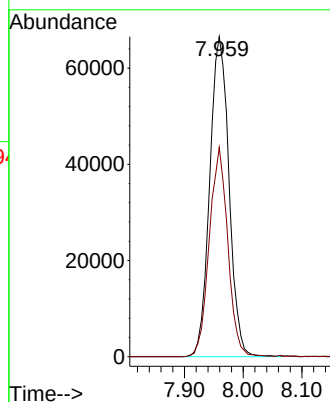
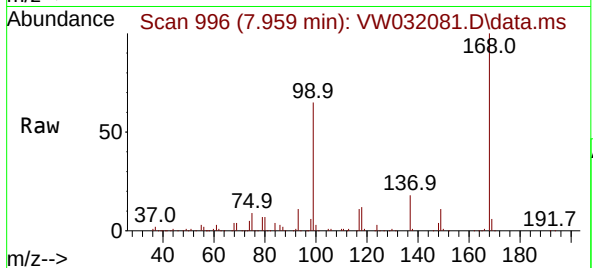




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 996
Delta R.T. 0.000 min
Lab File: VW032081.D
Acq: 14 Aug 2025 10:00

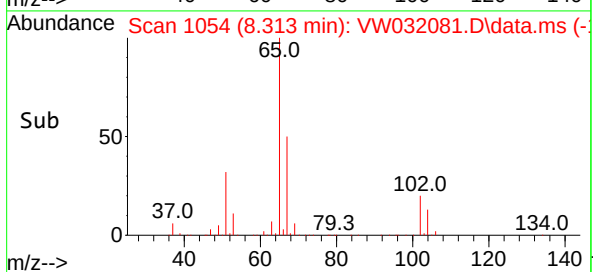
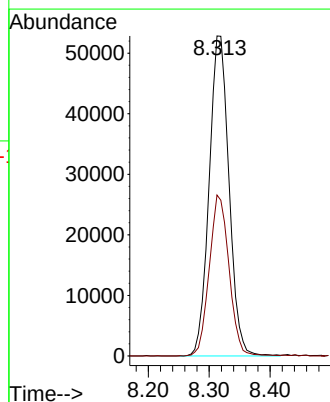
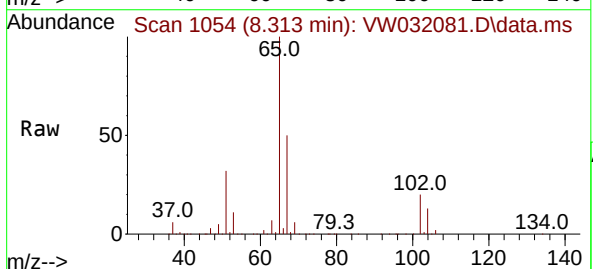
Instrument :
MSVOA_W
ClientSampleId :
VW0814SBL01

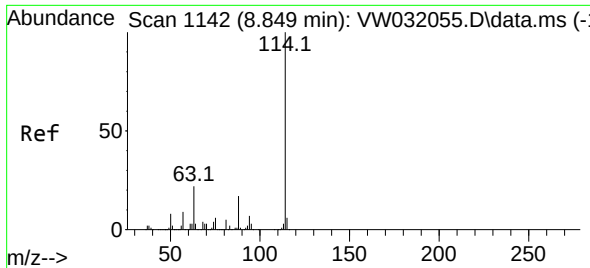
Tgt Ion:168 Resp: 151415
Ion Ratio Lower Upper
168 100
99 65.4 56.0 84.0



#33
1,2-Dichloroethane-d4
Concen: 54.707 ug/l
RT: 8.313 min Scan# 1054
Delta R.T. -0.006 min
Lab File: VW032081.D
Acq: 14 Aug 2025 10:00

Tgt Ion: 65 Resp: 119802
Ion Ratio Lower Upper
65 100
67 50.0 0.0 102.4

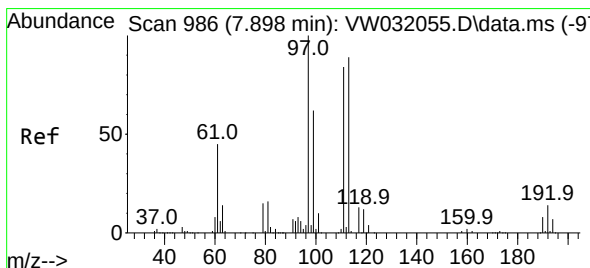
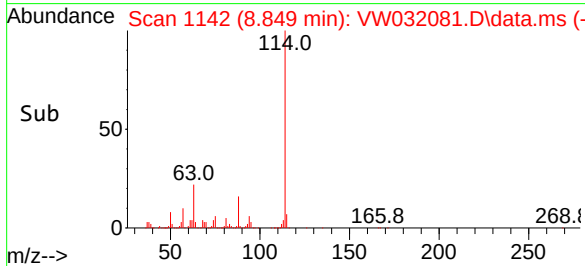
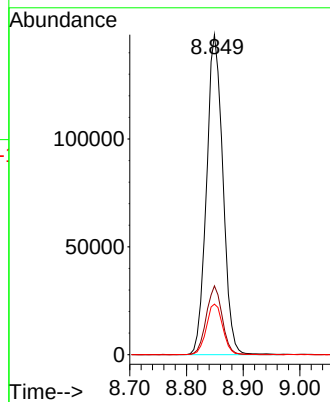
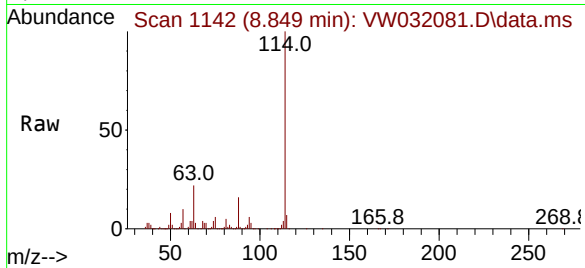




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 1142
Delta R.T. -0.000 min
Lab File: VW032081.D
Acq: 14 Aug 2025 10:00

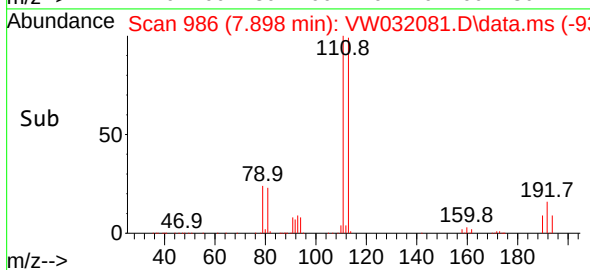
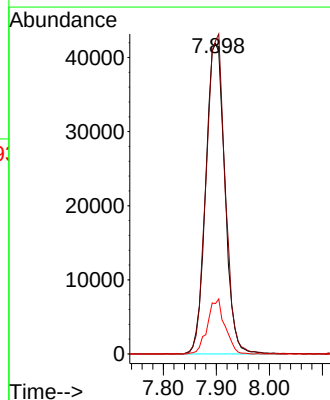
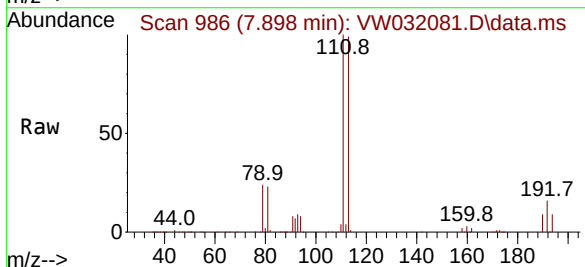
Instrument :
MSVOA_W
ClientSampleId :
VW0814SBL01

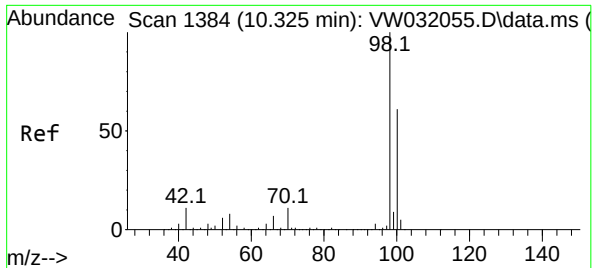
Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.5	0.0	43.0
88	15.8	0.0	33.8



#35
Dibromofluoromethane
Concen: 54.710 ug/l
RT: 7.898 min Scan# 986
Delta R.T. -0.000 min
Lab File: VW032081.D
Acq: 14 Aug 2025 10:00

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.8	80.1	120.1
192	16.2	13.1	19.7

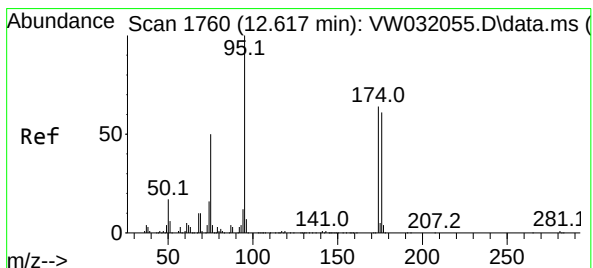
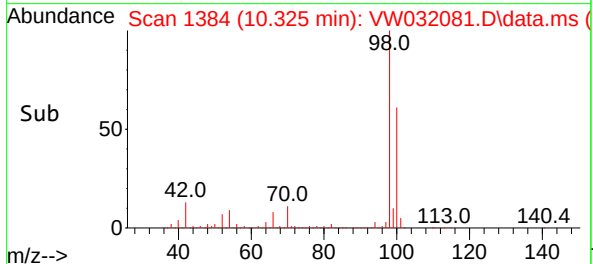
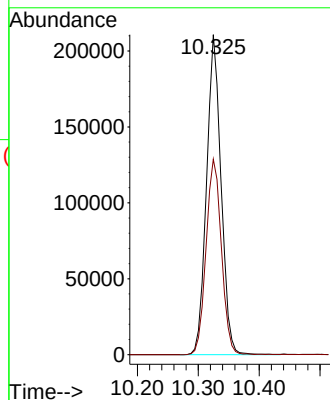
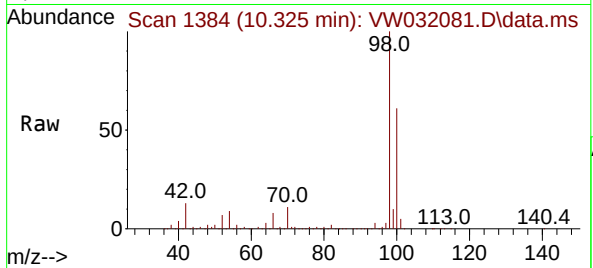




#50
Toluene-d8
Concen: 49.265 ug/l
RT: 10.325 min Scan# 1384
Delta R.T. -0.000 min
Lab File: VW032081.D
Acq: 14 Aug 2025 10:00

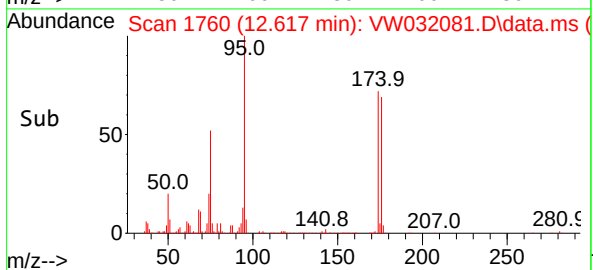
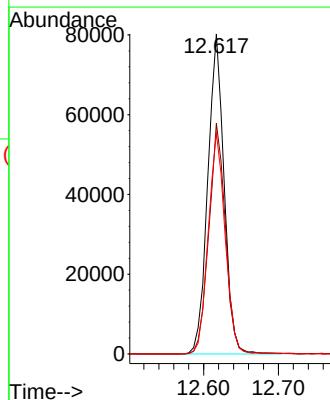
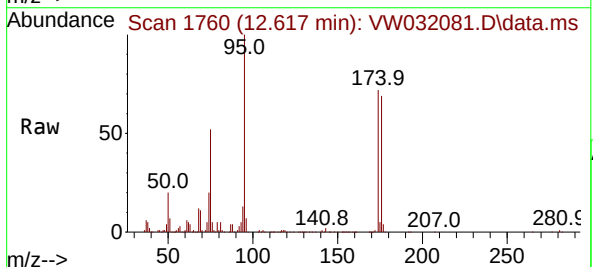
Instrument :
MSVOA_W
ClientSampleId :
VW0814SBL01

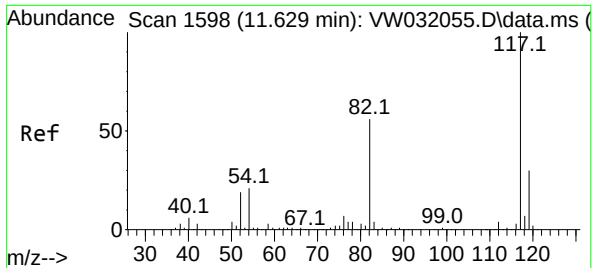
Tgt Ion: 98 Resp: 349304
Ion Ratio Lower Upper
98 100
100 64.3 51.1 76.7



#62
4-Bromofluorobenzene
Concen: 46.629 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032081.D
Acq: 14 Aug 2025 10:00

Tgt Ion: 95 Resp: 121836
Ion Ratio Lower Upper
95 100
174 73.1 0.0 129.0
176 71.4 0.0 124.6

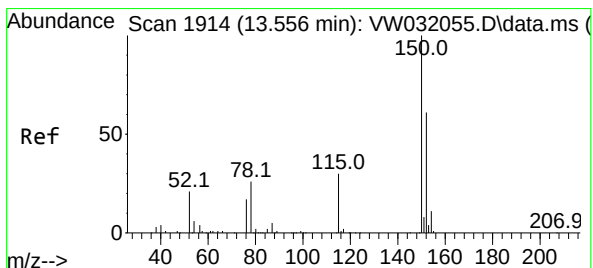
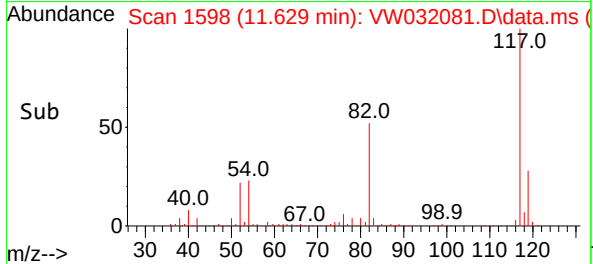
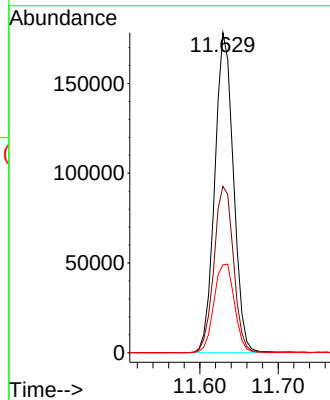
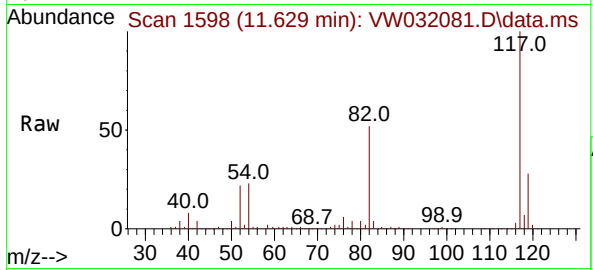




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW032081.D
Acq: 14 Aug 2025 10:00

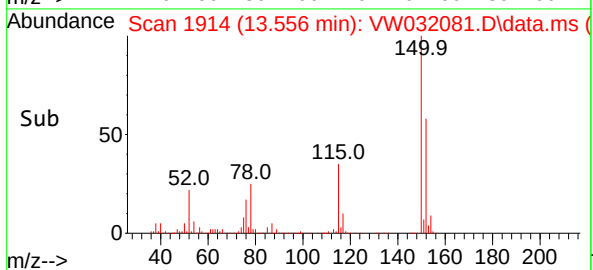
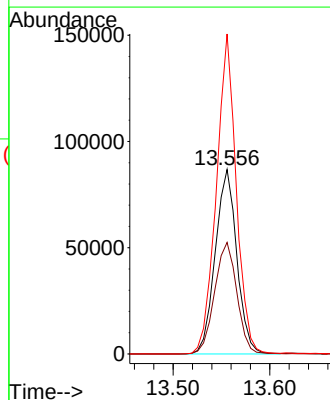
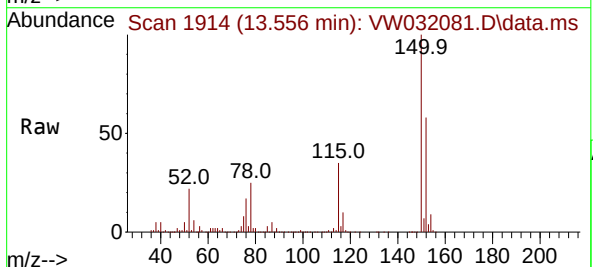
Instrument :
MSVOA_W
ClientSampleId :
VW0814SBL01

Tgt Ion:117 Resp: 295553
Ion Ratio Lower Upper
117 100
82 52.0 45.0 67.4
119 27.5 24.2 36.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. -0.000 min
Lab File: VW032081.D
Acq: 14 Aug 2025 10:00

Tgt Ion:152 Resp: 134418
Ion Ratio Lower Upper
152 100
115 62.6 32.6 97.8
150 160.0 0.0 359.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
Data File : VW032081.D
Acq On : 14 Aug 2025 10:00
Operator : SY/MD
Sample : VW0814SBL01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0814SBL01

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M

Title : SW846 8260

Signal : TIC: VW032081.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.954	491	503	513	rBV4	10434	39918	4.15%	0.729%
2	5.966	661	669	680	rBV4	7274	22957	2.39%	0.420%
3	7.898	973	986	991	rBV2	142927	364490	37.93%	6.660%
4	7.959	991	996	1007	rVB	216893	479446	49.90%	8.761%
5	8.313	1044	1054	1065	rBV	142021	326873	34.02%	5.973%
6	8.849	1133	1142	1157	rBV	363089	728505	75.82%	13.312%
7	9.892	1305	1313	1322	rVB4	8965	20073	2.09%	0.367%
8	10.325	1376	1384	1401	rVV	555693	960830	100.00%	17.558%
9	11.629	1591	1598	1610	rBV	547548	942933	98.14%	17.231%
10	12.465	1729	1735	1740	rBV4	6988	12084	1.26%	0.221%
11	12.617	1752	1760	1771	rBV	396811	637004	66.30%	11.640%
12	13.556	1907	1914	1927	rVB	565988	887921	92.41%	16.225%
13	14.056	1992	1996	2002	rBV	15511	25920	2.70%	0.474%
14	15.427	2217	2221	2225	rVB5	5550	9722	1.01%	0.178%
15	15.476	2225	2229	2235	rVB	7305	13787	1.43%	0.252%

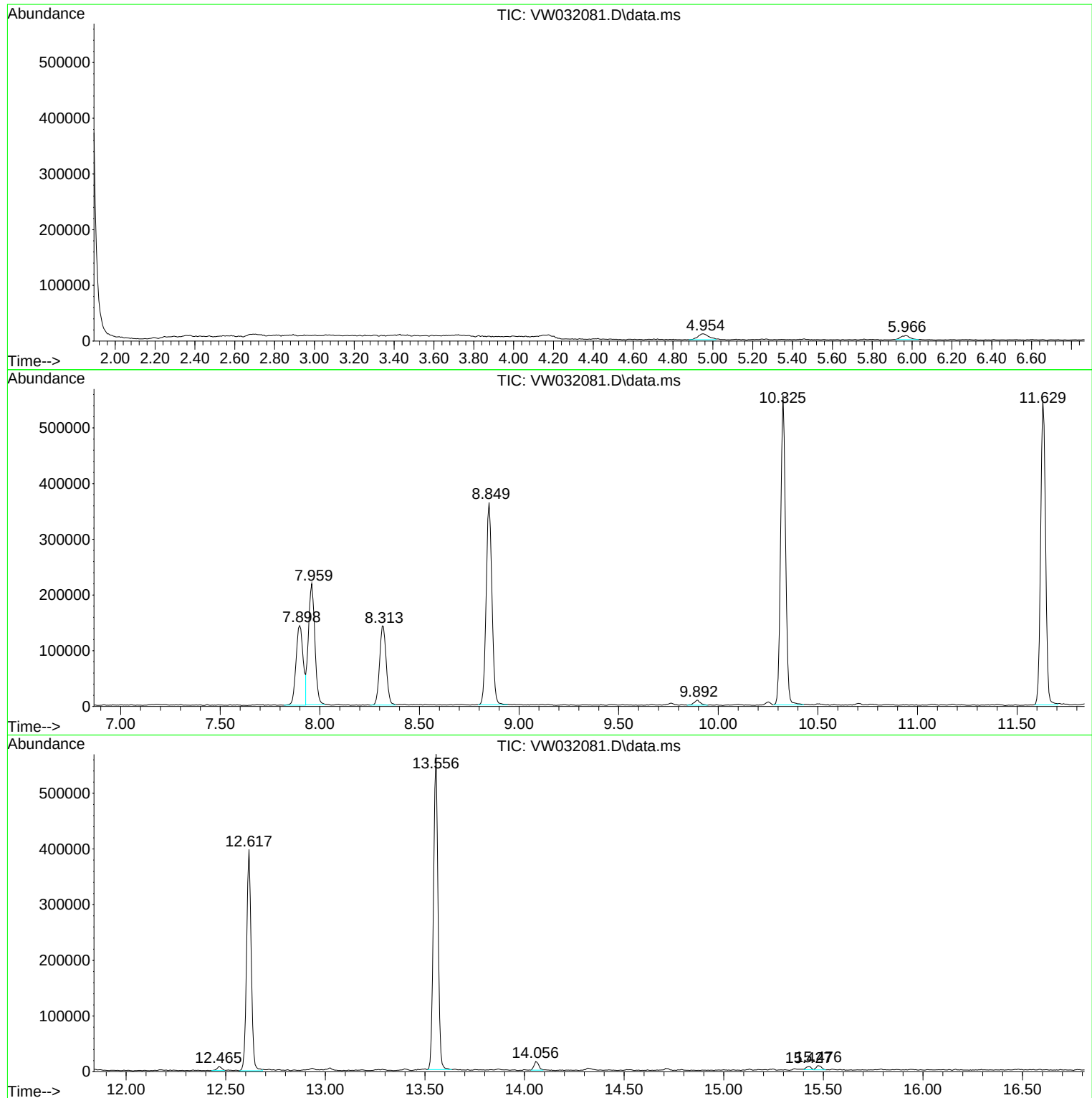
Sum of corrected areas: 5472463

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
Data File : VW032081.D
Acq On : 14 Aug 2025 10:00
Operator : SY/MD
Sample : VW0814SBL01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0814SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
Data File : VW032081.D
Acq On : 14 Aug 2025 10:00
Operator : SY/MD
Sample : VW0814SBL01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0814SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
Data File : VW032081.D
Acq On : 14 Aug 2025 10:00
Operator : SY/MD
Sample : VW0814SBL01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0814SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260

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

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

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	
Project:	USACE018-44 DOD	Date Received:	
Client Sample ID:	VY0815SBL01	SDG No.:	Q2820
Lab Sample ID:	VY0815SBL01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5	Units:	g
Soil Aliquot Vol:			uL
GC Column:	RXI-624	ID :	0.25
Prep Method :		Level :	LOW

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY023112.D	1	08/15/25 09:08	VY081525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	4.00	U	1.10	4.00	5.00	ug/Kg
74-87-3	Chloromethane	2.50	U	1.10	2.50	5.00	ug/Kg
75-01-4	Vinyl Chloride	2.50	U	0.79	2.50	5.00	ug/Kg
74-83-9	Bromomethane	4.00	U	1.10	4.00	5.00	ug/Kg
75-00-3	Chloroethane	2.50	U	1.30	2.50	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	4.00	U	1.20	4.00	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	2.50	U	1.10	2.50	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	2.50	U	1.00	2.50	5.00	ug/Kg
67-64-1	Acetone	20.0	U	4.70	20.0	25.0	ug/Kg
75-15-0	Carbon Disulfide	4.00	U	1.10	4.00	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	2.50	U	0.73	2.50	5.00	ug/Kg
79-20-9	Methyl Acetate	4.00	U	1.50	4.00	5.00	ug/Kg
75-09-2	Methylene Chloride	8.00	U	3.50	8.00	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	2.50	U	0.86	2.50	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	2.50	U	0.80	2.50	5.00	ug/Kg
110-82-7	Cyclohexane	2.50	U	0.79	2.50	5.00	ug/Kg
78-93-3	2-Butanone	20.0	U	6.50	20.0	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	2.50	U	0.97	2.50	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	2.50	U	0.75	2.50	5.00	ug/Kg
74-97-5	Bromochloromethane	4.00	U	1.20	4.00	5.00	ug/Kg
67-66-3	Chloroform	4.00	U	0.84	4.00	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	2.50	U	0.93	2.50	5.00	ug/Kg
108-87-2	Methylcyclohexane	2.50	U	0.91	2.50	5.00	ug/Kg
71-43-2	Benzene	2.50	U	0.79	2.50	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	2.50	U	0.79	2.50	5.00	ug/Kg
79-01-6	Trichloroethene	2.50	U	0.81	2.50	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	2.50	U	0.91	2.50	5.00	ug/Kg
75-27-4	Bromodichloromethane	2.50	U	0.78	2.50	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	12.5	U	3.60	12.5	25.0	ug/Kg
108-88-3	Toluene	2.50	U	0.78	2.50	5.00	ug/Kg

Report of Analysis

Client:	First Environment, Inc.		Date Collected:	
Project:	USACE018-44 DOD		Date Received:	
Client Sample ID:	VY0815SBL01		SDG No.:	Q2820
Lab Sample ID:	VY0815SBL01		Matrix:	SOIL
Analytical Method:	8260D		% Solid:	100
Sample Wt/Vol:	5	Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY023112.D	1	08/15/25 09:08	VY081525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	2.50	U	0.65	2.50	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	2.50	U	0.62	2.50	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	2.50	U	0.92	2.50	5.00	ug/Kg
591-78-6	2-Hexanone	12.5	U	3.70	12.5	25.0	ug/Kg
124-48-1	Dibromochloromethane	2.50	U	0.87	2.50	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	2.50	U	0.88	2.50	5.00	ug/Kg
127-18-4	Tetrachloroethene	2.50	U	1.10	2.50	5.00	ug/Kg
108-90-7	Chlorobenzene	2.50	U	0.91	2.50	5.00	ug/Kg
100-41-4	Ethyl Benzene	2.50	U	0.67	2.50	5.00	ug/Kg
179601-23-1	m/p-Xylenes	5.00	U	1.20	5.00	10.0	ug/Kg
95-47-6	o-Xylene	2.50	U	0.82	2.50	5.00	ug/Kg
100-42-5	Styrene	2.50	U	0.71	2.50	5.00	ug/Kg
75-25-2	Bromoform	2.50	U	0.86	2.50	5.00	ug/Kg
98-82-8	Isopropylbenzene	2.50	U	0.78	2.50	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	2.50	U	1.20	2.50	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	2.50	U	1.70	2.50	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	2.50	U	1.60	2.50	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	2.50	U	1.50	2.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	4.00	U	1.80	4.00	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	4.00	U	3.00	4.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	4.00	U	3.20	4.00	5.00	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	59.8		71 - 136		120%	SPK: 50
1868-53-7	Dibromofluoromethane	52.7		78 - 119		105%	SPK: 50
2037-26-5	Toluene-d8	52.4		85 - 116		105%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.5		79 - 119		95%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	551000	7.707				
540-36-3	1,4-Difluorobenzene	1050000	8.616				
3114-55-4	Chlorobenzene-d5	953000	11.414				
3855-82-1	1,4-Dichlorobenzene-d4	371000	13.346				

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	
Project:	USACE018-44 DOD	Date Received:	
Client Sample ID:	VY0815SBL01	SDG No.:	Q2820
Lab Sample ID:	VY0815SBL01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5	Units:	g
Soil Aliquot Vol:			uL
GC Column:	RXI-624	ID :	0.25
Prep Method :		Level :	LOW

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY023112.D	1	08/15/25 09:08	VY081525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
------------	-----------	-------	-----------	-----	-----	------------	-------

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081525\
Data File : VY023112.D
Acq On : 15 Aug 2025 09:08
Operator : SY/MD
Sample : VY0815SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0815SBL01

Quant Time: Aug 18 02:23:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	550500	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1049087	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	953139	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	370974	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	313986	59.845	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	119.700%
35) Dibromofluoromethane	7.634	113	330708	52.682	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	105.360%
50) Toluene-d8	10.103	98	1285132	52.405	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	104.800%
62) 4-Bromofluorobenzene	12.401	95	374958	47.544	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	95.080%

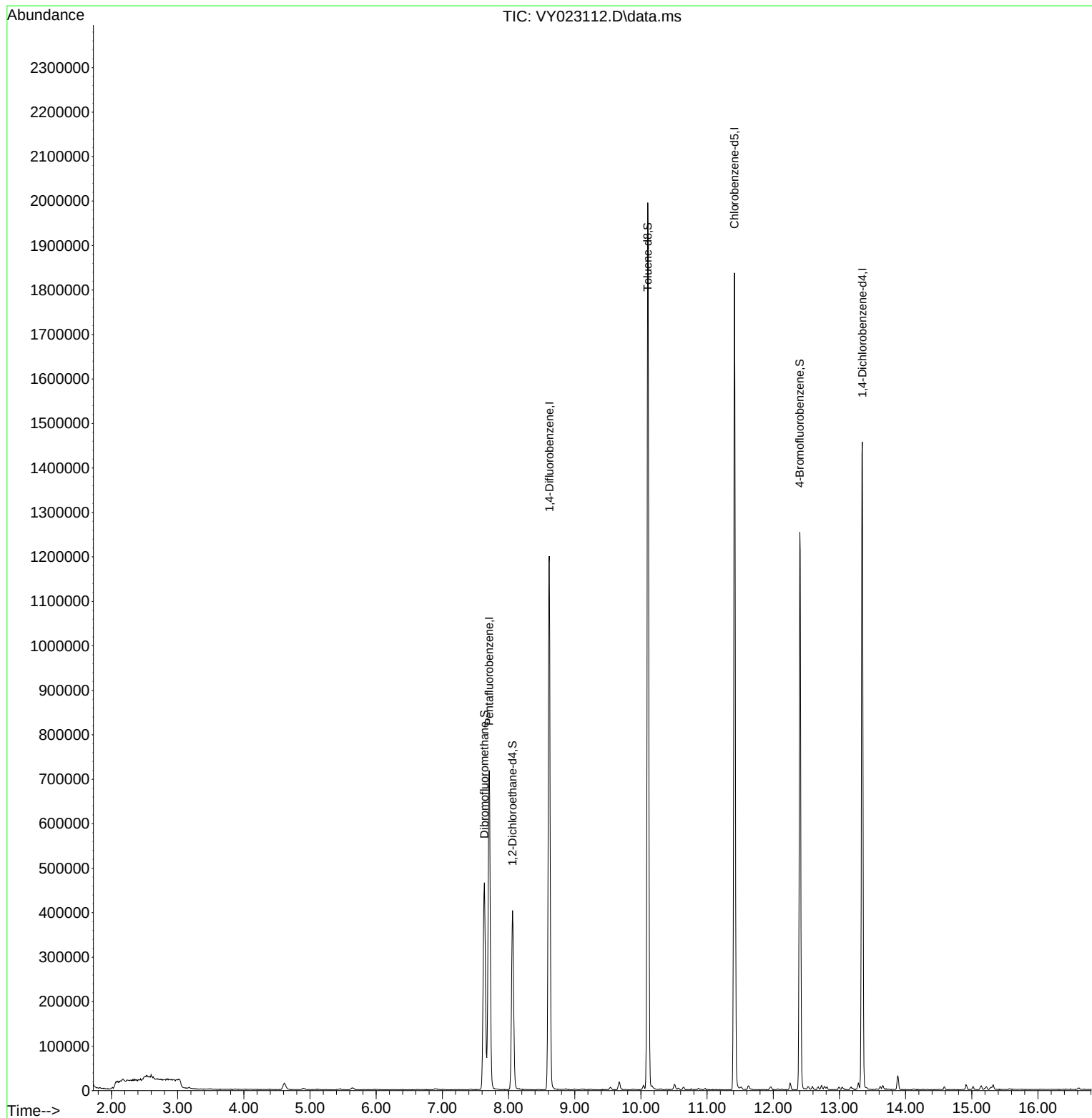
Target Compounds	Qvalue
------------------	--------

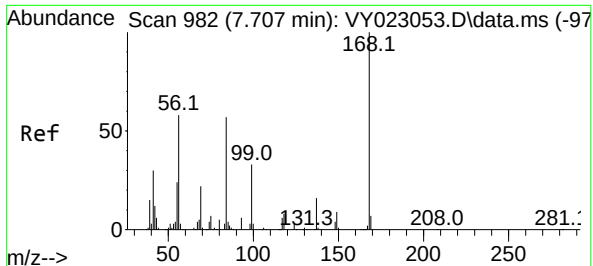
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081525\
Data File : VY023112.D
Acq On : 15 Aug 2025 09:08
Operator : SY/MD
Sample : VY0815SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0815SBL01

Quant Time: Aug 18 02:23:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

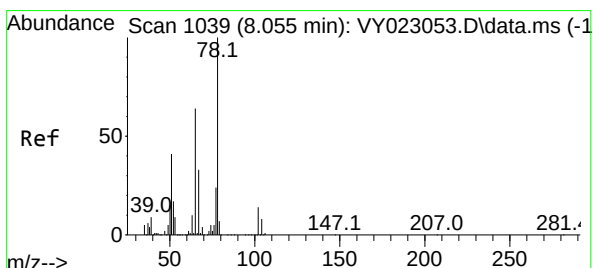
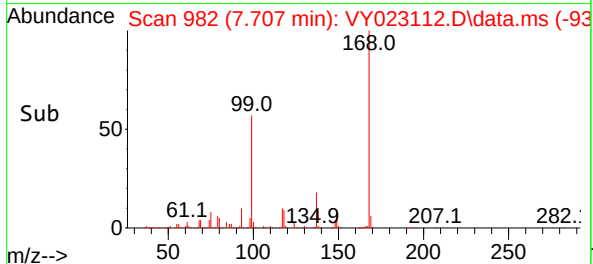
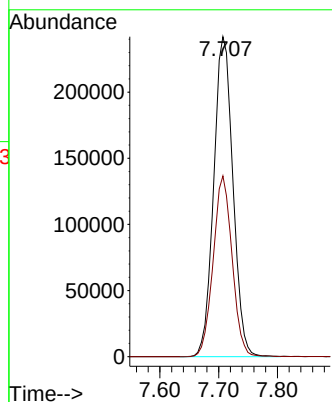
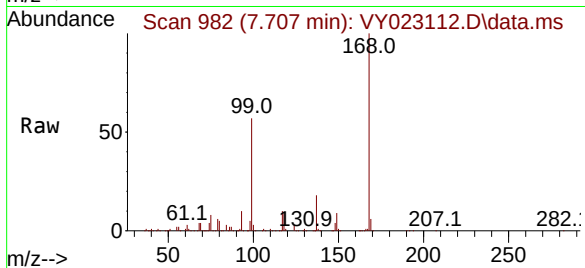




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023112.D
Acq: 15 Aug 2025 09:08

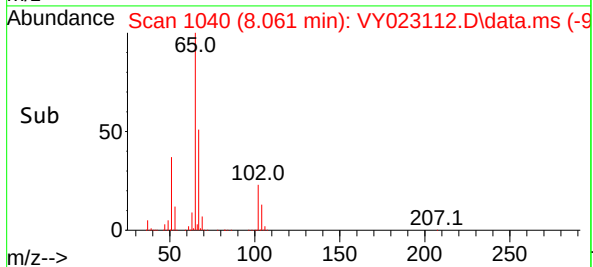
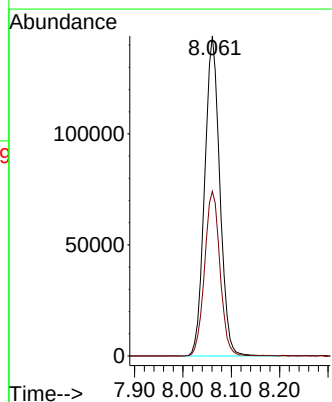
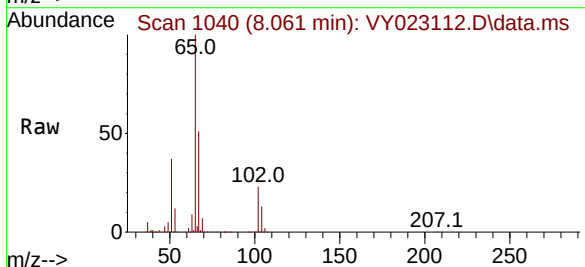
Instrument :
MSVOA_Y
ClientSampleId :
VY0815SBL01

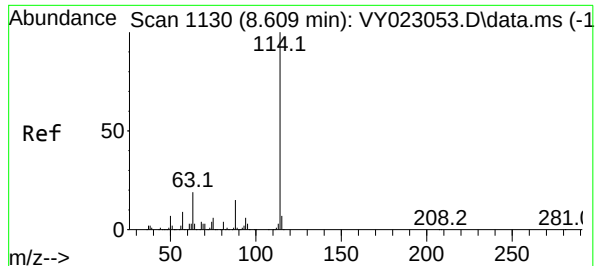
Tgt Ion:168 Resp: 550500
Ion Ratio Lower Upper
168 100
99 56.5 42.8 64.2



#33
1,2-Dichloroethane-d4
Concen: 59.845 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VY023112.D
Acq: 15 Aug 2025 09:08

Tgt Ion: 65 Resp: 313986
Ion Ratio Lower Upper
65 100
67 52.3 0.0 106.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1130

Delta R.T. 0.006 min

Lab File: VY023112.D

Acq: 15 Aug 2025 09:08

Instrument :

MSVOA_Y

ClientSampleId :

VY0815SBL01

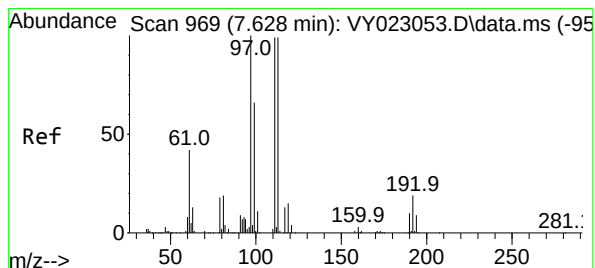
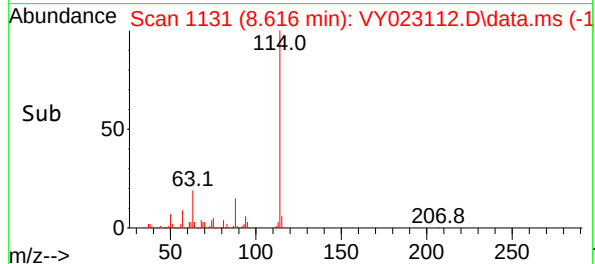
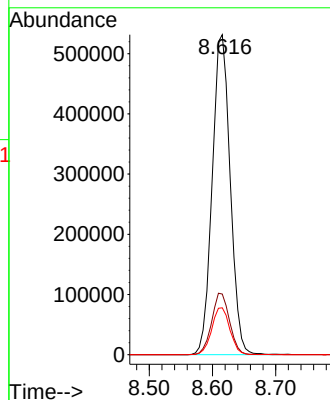
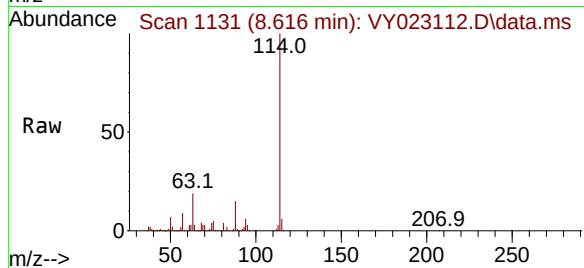
Tgt Ion:114 Resp: 1049087

Ion Ratio Lower Upper

114 100

63 19.0 0.0 38.4

88 14.6 0.0 30.0



#35

Dibromofluoromethane

Concen: 52.682 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.006 min

Lab File: VY023112.D

Acq: 15 Aug 2025 09:08

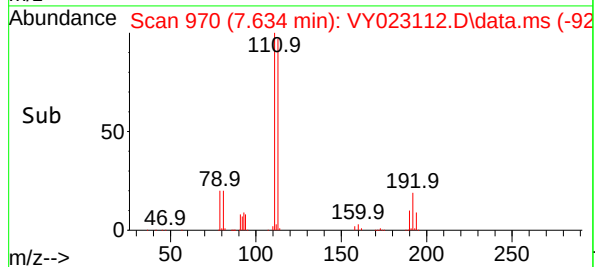
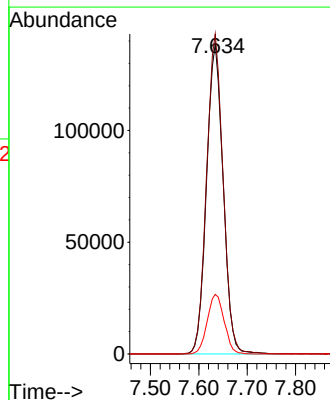
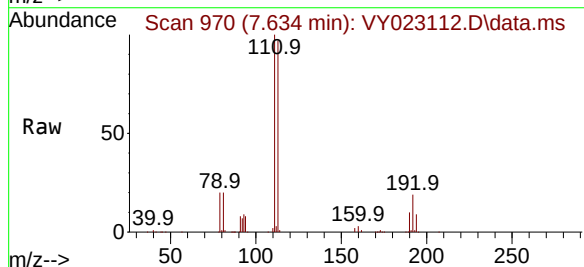
Tgt Ion:113 Resp: 330708

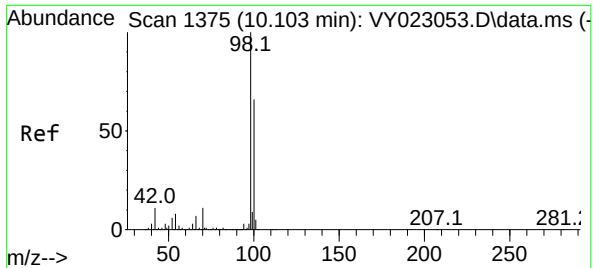
Ion Ratio Lower Upper

113 100

111 102.9 81.1 121.7

192 19.6 16.2 24.4

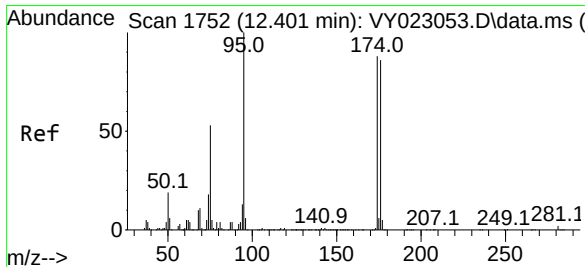
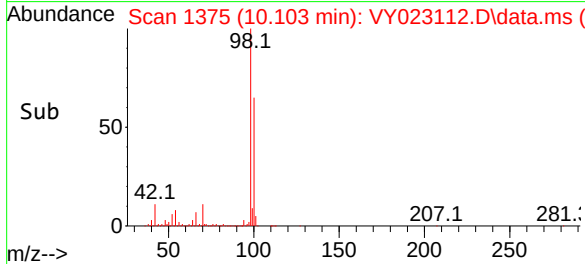
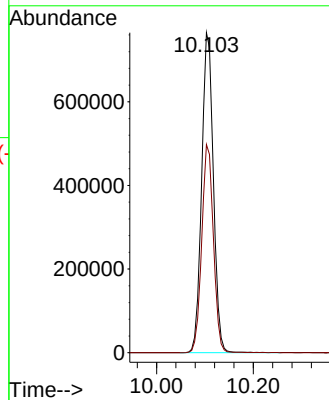
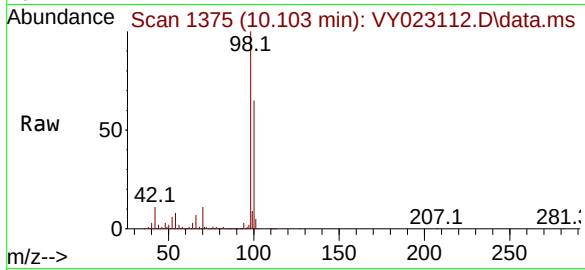




#50
Toluene-d8
Concen: 52.405 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY023112.D
Acq: 15 Aug 2025 09:08

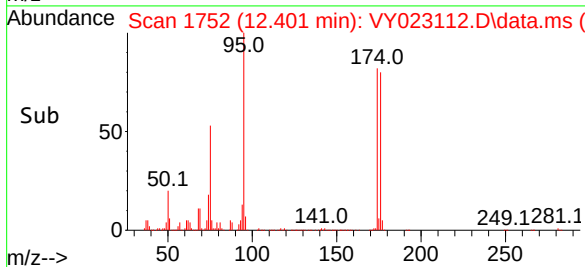
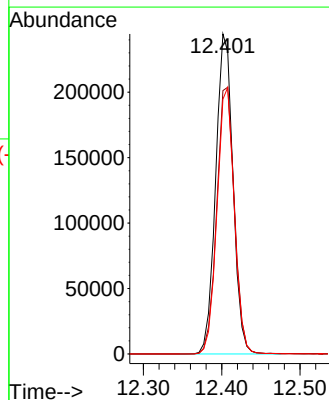
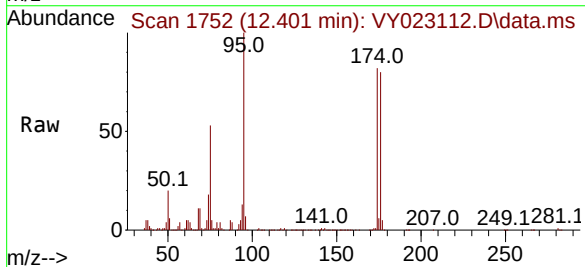
Instrument :
MSVOA_Y
ClientSampleId :
VY0815SBL01

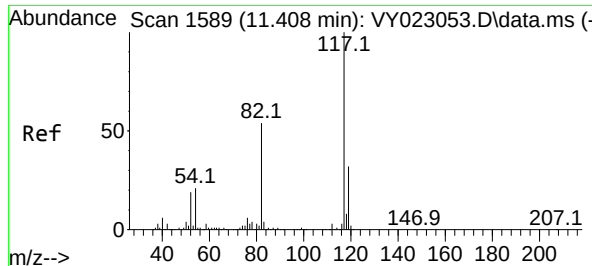
Tgt Ion: 98 Resp: 1285132
Ion Ratio Lower Upper
98 100
100 64.8 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 47.544 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023112.D
Acq: 15 Aug 2025 09:08

Tgt Ion: 95 Resp: 374958
Ion Ratio Lower Upper
95 100
174 85.9 0.0 171.6
176 83.0 0.0 167.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023112.D

Acq: 15 Aug 2025 09:08

Instrument :

MSVOA_Y

ClientSampleId :

VY0815SBL01

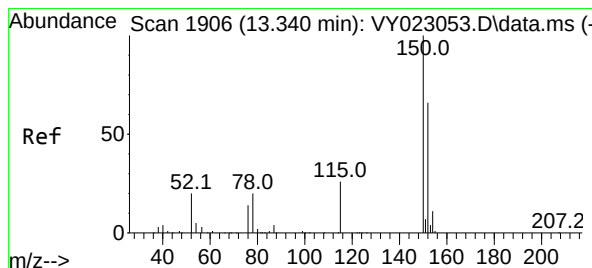
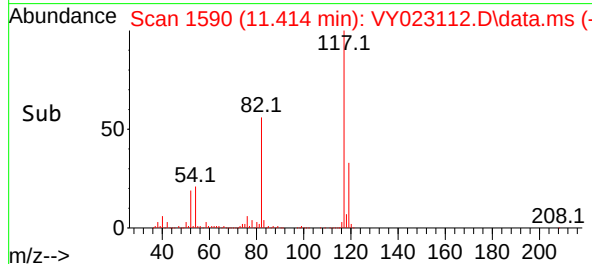
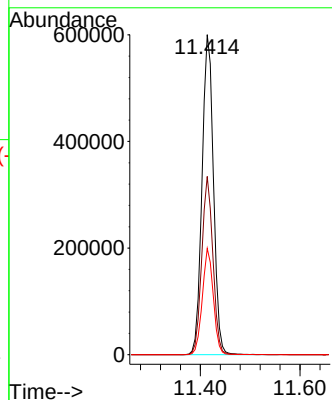
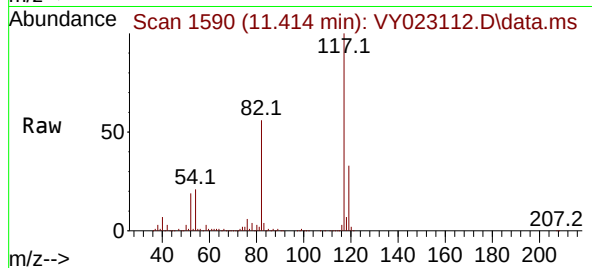
Tgt Ion:117 Resp: 953139

Ion Ratio Lower Upper

117 100

82 55.7 43.4 65.0

119 33.2 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.006 min

Lab File: VY023112.D

Acq: 15 Aug 2025 09:08

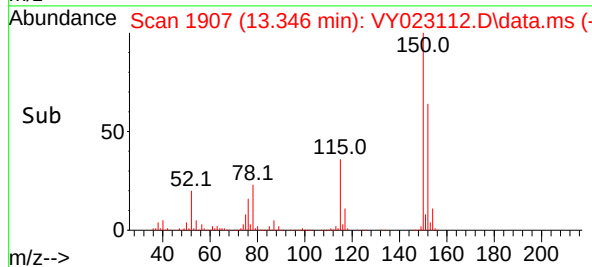
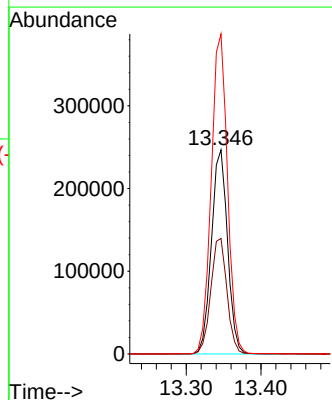
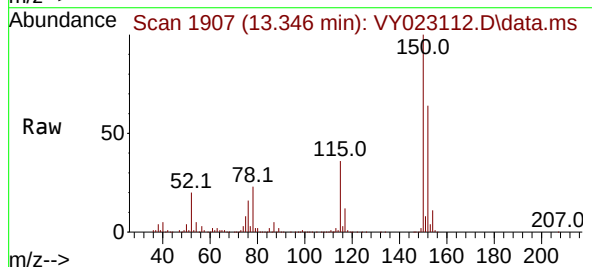
Tgt Ion:152 Resp: 370974

Ion Ratio Lower Upper

152 100

115 56.8 28.2 84.6

150 157.6 0.0 348.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081525\
Data File : VY023112.D
Acq On : 15 Aug 2025 09:08
Operator : SY/MD
Sample : VY0815SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0815SBL01

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M

Title : SW846 8260

Signal : TIC: VY023112.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.610	463	474	487	rBV	14989	50337	1.51%	0.303%
2	7.634	960	970	976	rBV	464685	1112476	33.27%	6.688%
3	7.707	976	982	993	rVB	715479	1610606	48.17%	9.682%
4	8.061	1028	1040	1053	rBV	403205	890118	26.62%	5.351%
5	8.616	1121	1131	1144	rBV	1199454	2395578	71.65%	14.401%
6	9.676	1298	1305	1311	rBV	17461	37205	1.11%	0.224%
7	10.103	1368	1375	1384	rBV	1991604	3343501	100.00%	20.100%
8	11.414	1582	1590	1602	rBV	1836381	2914659	87.17%	17.522%
9	12.401	1745	1752	1763	rBV	1253322	1976340	59.11%	11.881%
10	13.346	1900	1907	1916	rVB	1452677	2248707	67.26%	13.518%
11	13.883	1988	1995	2004	rVB	30761	55163	1.65%	0.332%

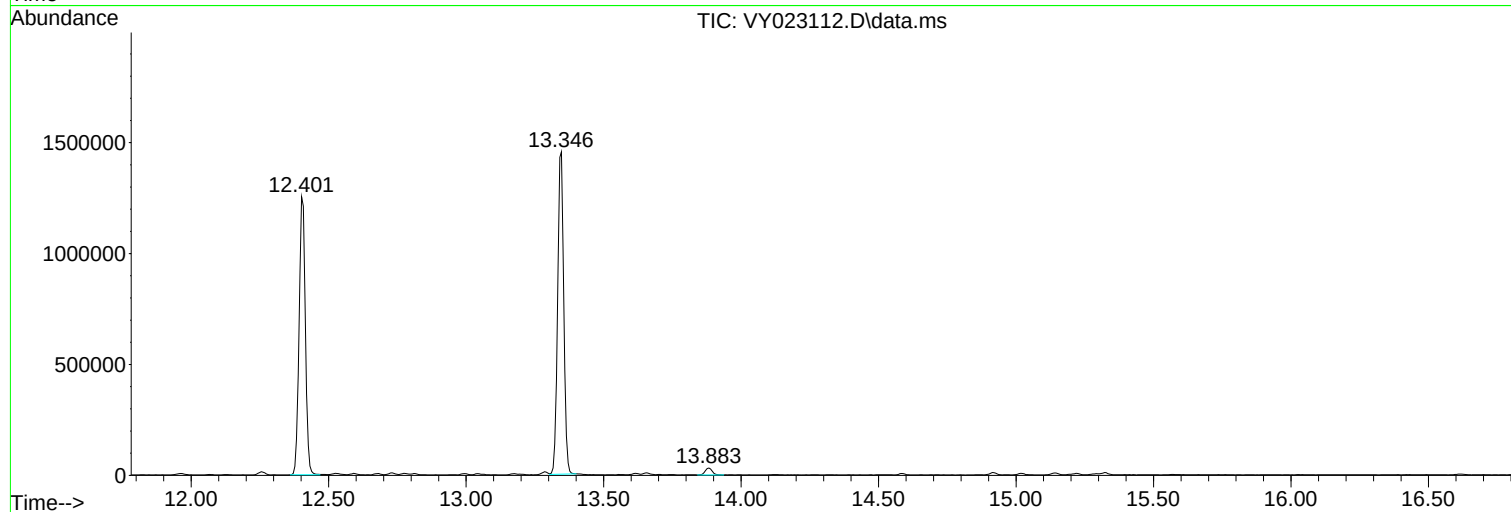
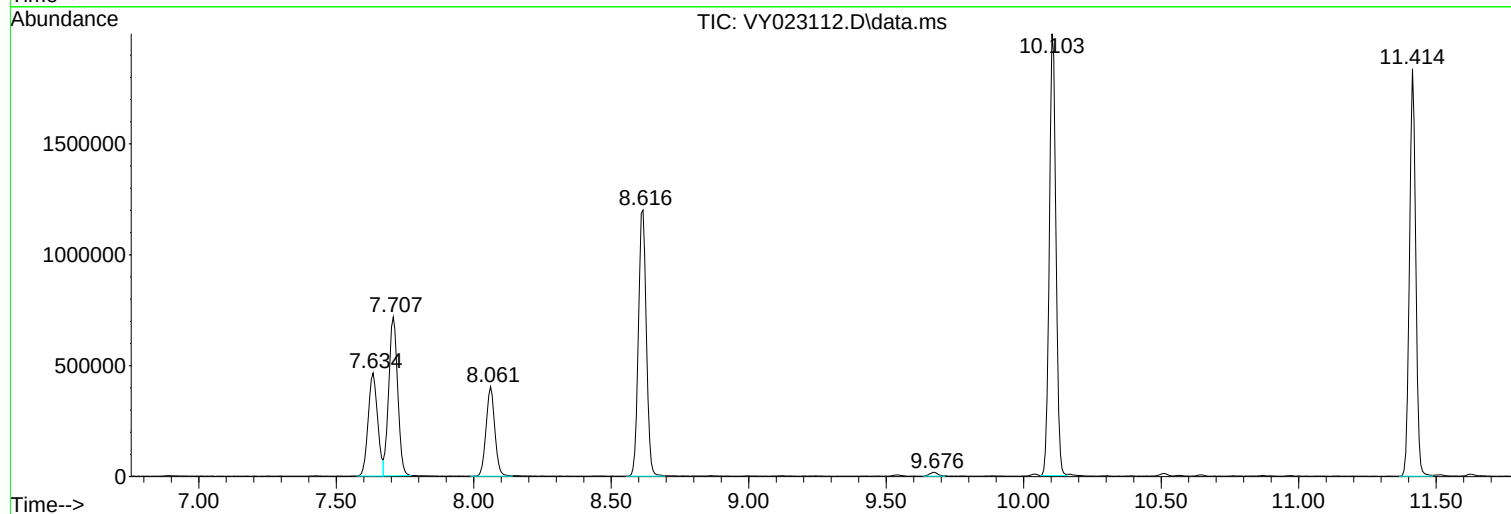
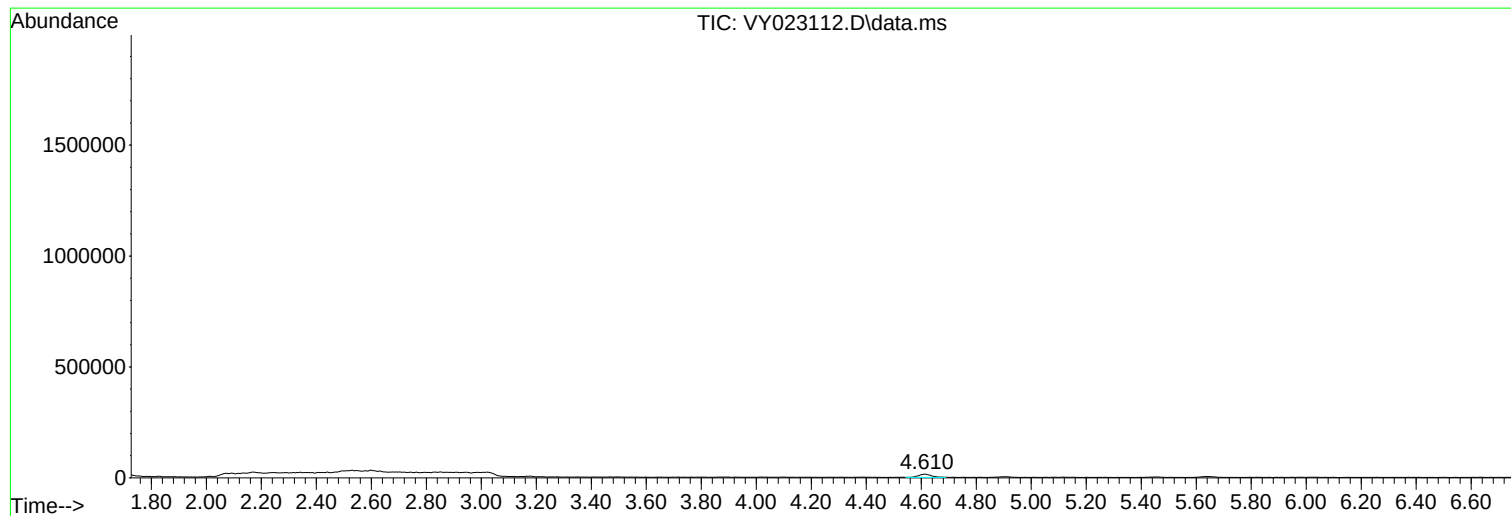
Sum of corrected areas: 16634690

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081525\
Data File : VY023112.D
Acq On : 15 Aug 2025 09:08
Operator : SY/MD
Sample : VY0815SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0815SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081525\
Data File : VY023112.D
Acq On : 15 Aug 2025 09:08
Operator : SY/MD
Sample : VY0815SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0815SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081525\
Data File : VY023112.D
Acq On : 15 Aug 2025 09:08
Operator : SY/MD
Sample : VY0815SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0815SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260

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

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

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	
Project:	USACE018-44 DOD	Date Received:	
Client Sample ID:	VY0819SBL01	SDG No.:	Q2820
Lab Sample ID:	VY0819SBL01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY023138.D	1	08/19/25 09:49	VY081925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	4.00	U	1.10	4.00	5.00	ug/Kg
74-87-3	Chloromethane	2.50	U	1.10	2.50	5.00	ug/Kg
75-01-4	Vinyl Chloride	2.50	U	0.79	2.50	5.00	ug/Kg
74-83-9	Bromomethane	4.00	U	1.10	4.00	5.00	ug/Kg
75-00-3	Chloroethane	2.50	U	1.30	2.50	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	4.00	U	1.20	4.00	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	2.50	U	1.10	2.50	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	2.50	U	1.00	2.50	5.00	ug/Kg
67-64-1	Acetone	20.0	U	4.70	20.0	25.0	ug/Kg
75-15-0	Carbon Disulfide	4.00	U	1.10	4.00	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	2.50	U	0.73	2.50	5.00	ug/Kg
79-20-9	Methyl Acetate	4.00	U	1.50	4.00	5.00	ug/Kg
75-09-2	Methylene Chloride	8.00	U	3.50	8.00	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	2.50	U	0.86	2.50	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	2.50	U	0.80	2.50	5.00	ug/Kg
110-82-7	Cyclohexane	2.50	U	0.79	2.50	5.00	ug/Kg
78-93-3	2-Butanone	20.0	U	6.50	20.0	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	2.50	U	0.97	2.50	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	2.50	U	0.75	2.50	5.00	ug/Kg
74-97-5	Bromochloromethane	4.00	U	1.20	4.00	5.00	ug/Kg
67-66-3	Chloroform	4.00	U	0.84	4.00	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	2.50	U	0.93	2.50	5.00	ug/Kg
108-87-2	Methylcyclohexane	2.50	U	0.91	2.50	5.00	ug/Kg
71-43-2	Benzene	2.50	U	0.79	2.50	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	2.50	U	0.79	2.50	5.00	ug/Kg
79-01-6	Trichloroethene	2.50	U	0.81	2.50	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	2.50	U	0.91	2.50	5.00	ug/Kg
75-27-4	Bromodichloromethane	2.50	U	0.78	2.50	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	12.5	U	3.60	12.5	25.0	ug/Kg
108-88-3	Toluene	2.50	U	0.78	2.50	5.00	ug/Kg

Report of Analysis

Client:	First Environment, Inc.		Date Collected:	
Project:	USACE018-44 DOD		Date Received:	
Client Sample ID:	VY0819SBL01		SDG No.:	Q2820
Lab Sample ID:	VY0819SBL01		Matrix:	SOIL
Analytical Method:	8260D		% Solid:	100
Sample Wt/Vol:	5	Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY023138.D	1	08/19/25 09:49	VY081925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	2.50	U	0.65	2.50	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	2.50	U	0.62	2.50	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	2.50	U	0.92	2.50	5.00	ug/Kg
591-78-6	2-Hexanone	12.5	U	3.70	12.5	25.0	ug/Kg
124-48-1	Dibromochloromethane	2.50	U	0.87	2.50	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	2.50	U	0.88	2.50	5.00	ug/Kg
127-18-4	Tetrachloroethene	2.50	U	1.10	2.50	5.00	ug/Kg
108-90-7	Chlorobenzene	2.50	U	0.91	2.50	5.00	ug/Kg
100-41-4	Ethyl Benzene	2.50	U	0.67	2.50	5.00	ug/Kg
179601-23-1	m/p-Xylenes	5.00	U	1.20	5.00	10.0	ug/Kg
95-47-6	o-Xylene	2.50	U	0.82	2.50	5.00	ug/Kg
100-42-5	Styrene	2.50	U	0.71	2.50	5.00	ug/Kg
75-25-2	Bromoform	2.50	U	0.86	2.50	5.00	ug/Kg
98-82-8	Isopropylbenzene	2.50	U	0.78	2.50	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	2.50	U	1.20	2.50	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	2.50	U	1.70	2.50	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	2.50	U	1.60	2.50	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	2.50	U	1.50	2.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	4.00	U	1.80	4.00	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	4.00	U	3.00	4.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	4.00	U	3.20	4.00	5.00	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	53.4		71 - 136		107%	SPK: 50
1868-53-7	Dibromofluoromethane	52.4		78 - 119		105%	SPK: 50
2037-26-5	Toluene-d8	51.3		85 - 116		103%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.5		79 - 119		99%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	658000	7.713				
540-36-3	1,4-Difluorobenzene	1190000	8.616				
3114-55-4	Chlorobenzene-d5	1100000	11.414				
3855-82-1	1,4-Dichlorobenzene-d4	445000	13.346				

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	
Project:	USACE018-44 DOD	Date Received:	
Client Sample ID:	VY0819SBL01	SDG No.:	Q2820
Lab Sample ID:	VY0819SBL01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5	Units:	g
Soil Aliquot Vol:			uL
GC Column:	RXI-624	ID :	0.25
Prep Method :		Level :	LOW
		Final Vol:	5000
		Test:	VOC-TCLVOA-10

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY023138.D	1	08/19/25 09:49	VY081925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
------------	-----------	-------	-----------	-----	-----	------------	-------

U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 E = Value Exceeds Calibration Range
 Q = indicates LCS control criteria did not meet requirements
 M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 N = Presumptive Evidence of a Compound
 * = Values outside of QC limits
 D = Dilution
 () = Laboratory InHouse Limit
 A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081925\
Data File : VY023138.D
Acq On : 19 Aug 2025 09:49
Operator : SY/MD
Sample : VY0819SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBL01

Quant Time: Aug 20 01:24:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	658468	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1194271	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	1104701	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	444569	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	335313	53.431	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	106.860%
35) Dibromofluoromethane	7.634	113	374747	52.441	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	104.880%
50) Toluene-d8	10.109	98	1432079	51.298	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	102.600%
62) 4-Bromofluorobenzene	12.402	95	444143	49.470	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	98.940%

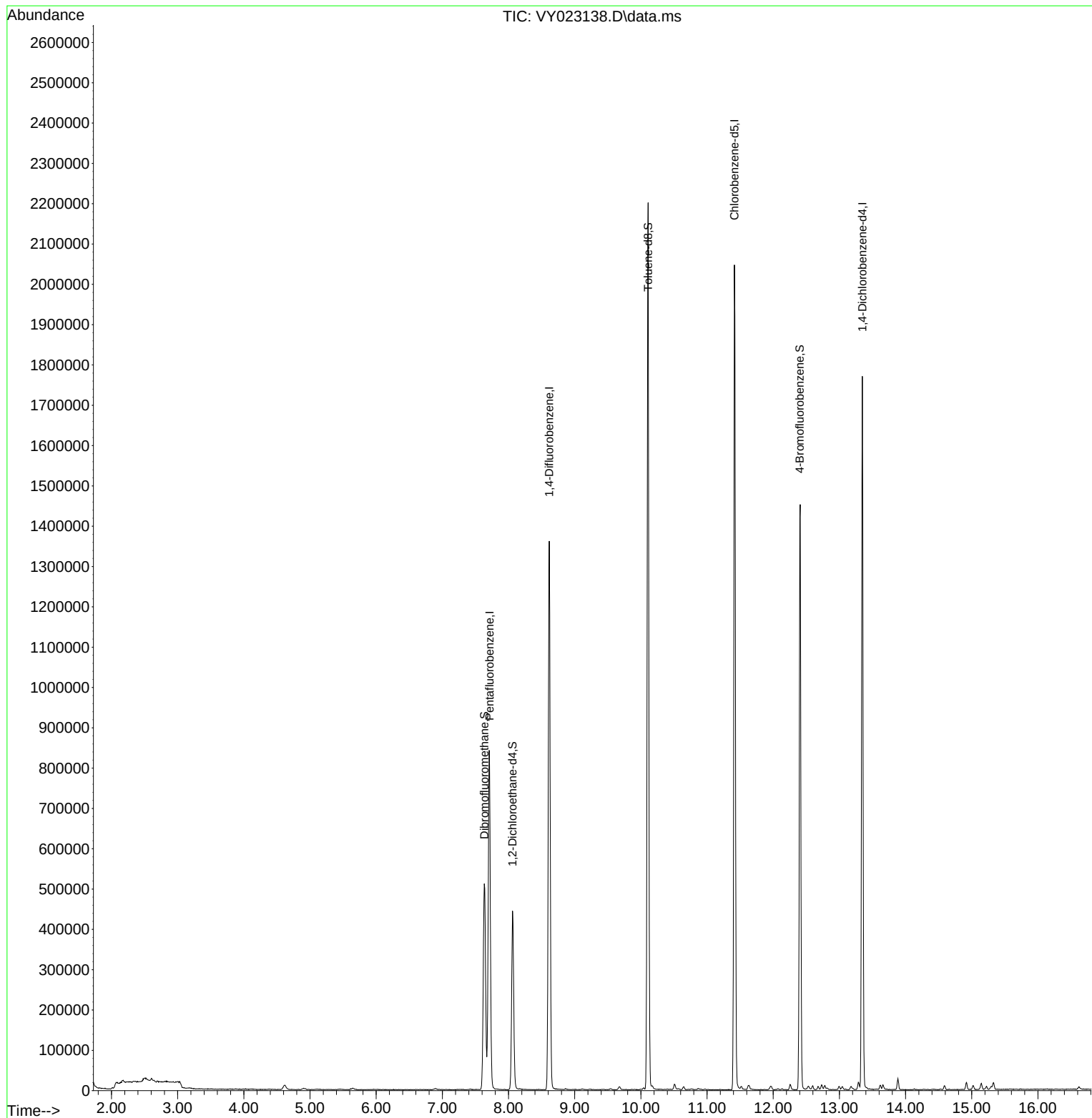
Target Compounds	Qvalue
------------------	--------

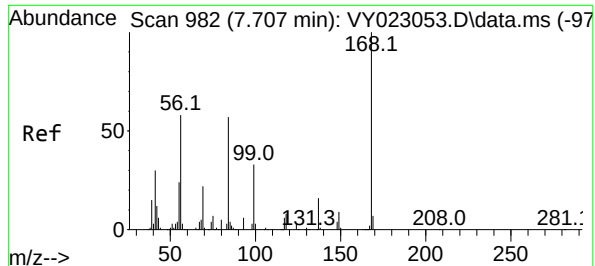
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081925\
Data File : VY023138.D
Acq On : 19 Aug 2025 09:49
Operator : SY/MD
Sample : VY0819SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBL01

Quant Time: Aug 20 01:24:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

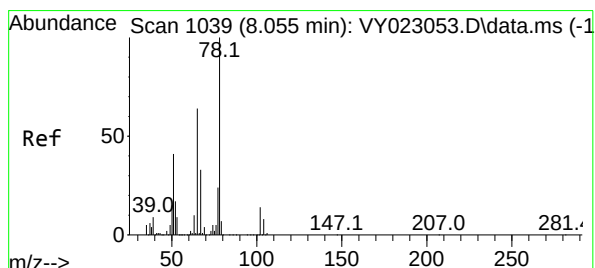
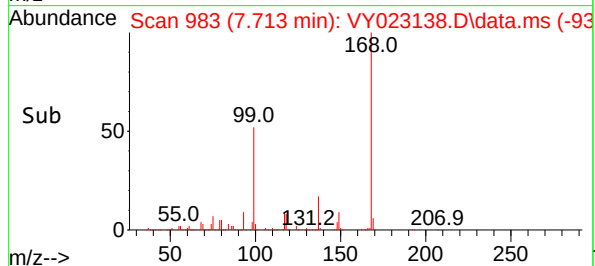
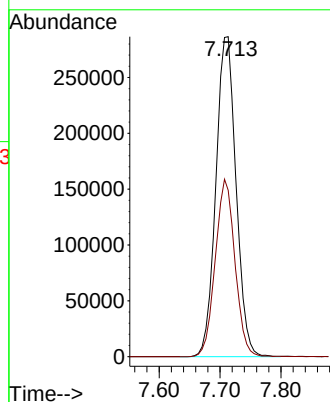
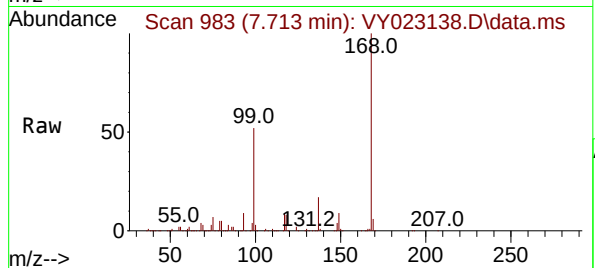




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023138.D
Acq: 19 Aug 2025 09:49

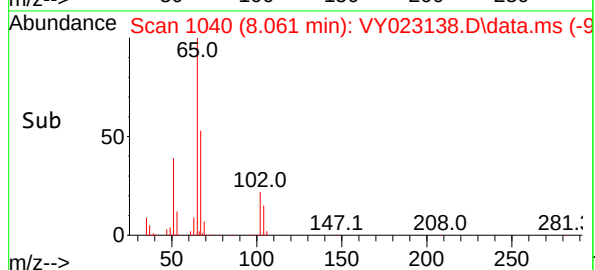
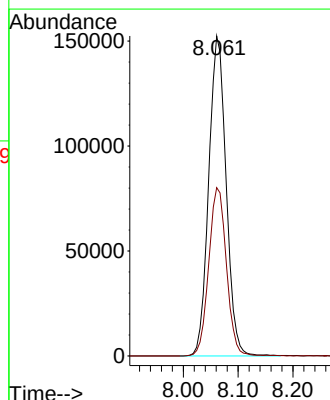
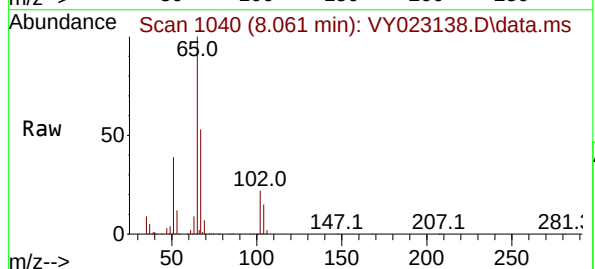
Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBL01

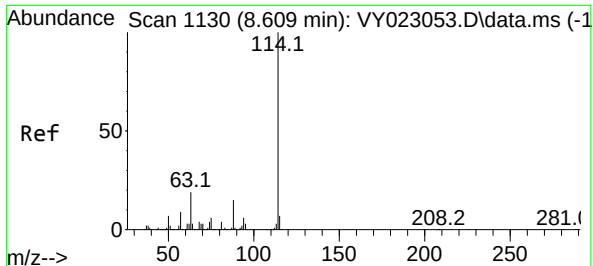
Tgt Ion:168 Resp: 658468
Ion Ratio Lower Upper
168 100
99 52.0 42.8 64.2



#33
1,2-Dichloroethane-d4
Concen: 53.431 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VY023138.D
Acq: 19 Aug 2025 09:49

Tgt Ion: 65 Resp: 335313
Ion Ratio Lower Upper
65 100
67 53.6 0.0 106.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1130

Delta R.T. 0.006 min

Lab File: VY023138.D

Acq: 19 Aug 2025 09:49

Instrument :

MSVOA_Y

ClientSampleId :

VY0819SBL01

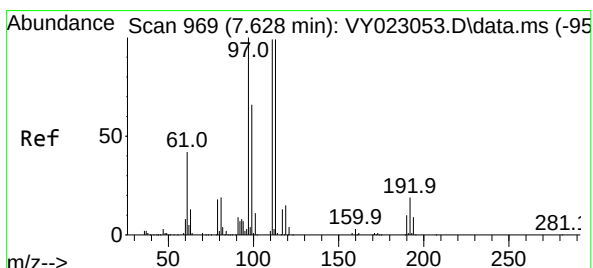
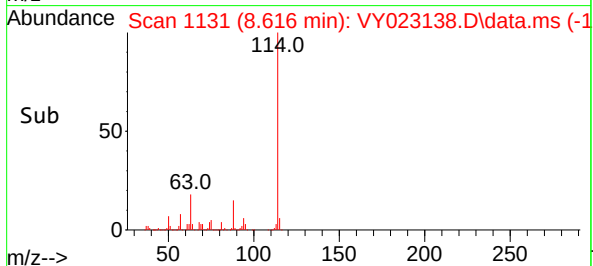
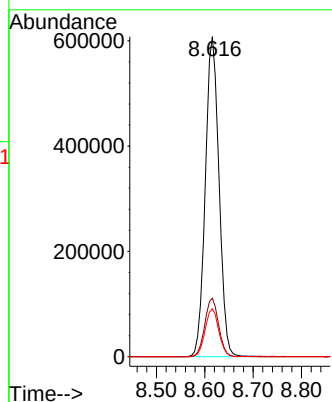
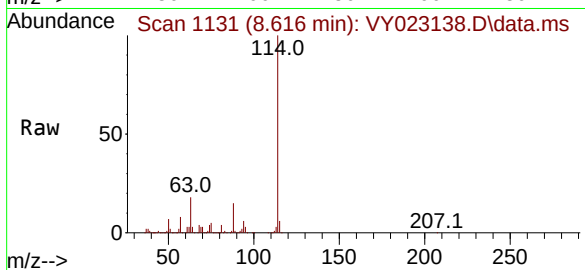
Tgt Ion:114 Resp: 1194271

Ion Ratio Lower Upper

114 100

63 18.3 0.0 38.4

88 15.0 0.0 30.0



#35

Dibromofluoromethane

Concen: 52.441 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.006 min

Lab File: VY023138.D

Acq: 19 Aug 2025 09:49

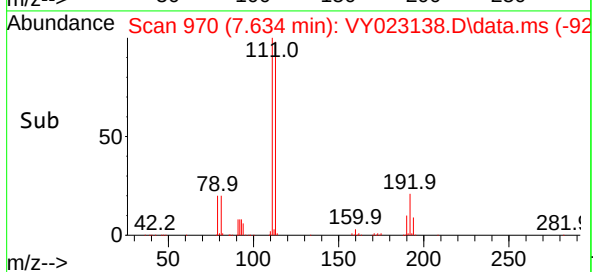
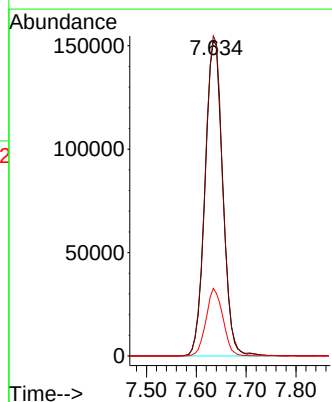
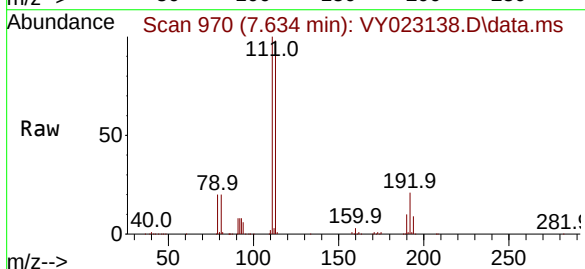
Tgt Ion:113 Resp: 374747

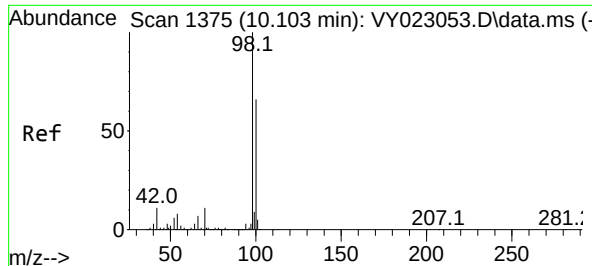
Ion Ratio Lower Upper

113 100

111 101.4 81.1 121.7

192 20.5 16.2 24.4

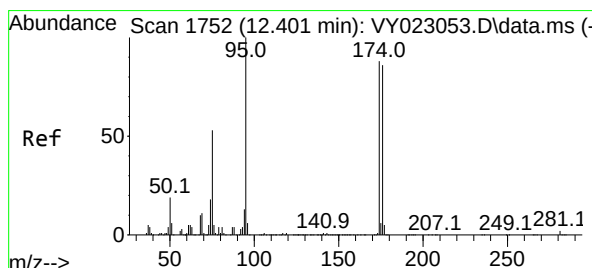
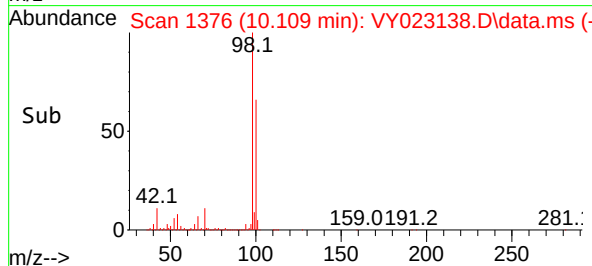
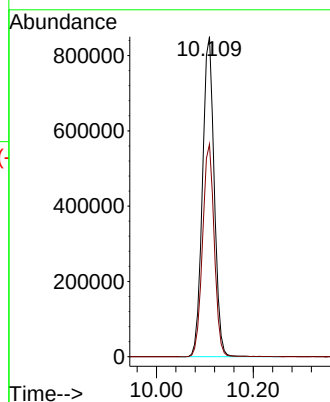
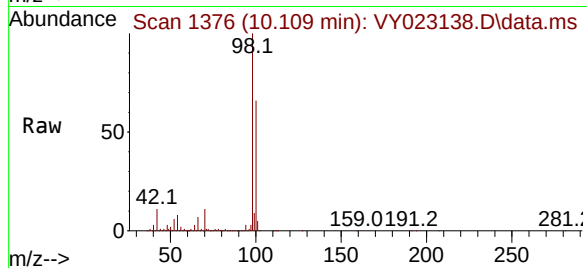




#50
Toluene-d8
Concen: 51.298 ug/l
RT: 10.109 min Scan# 1375
Delta R.T. 0.006 min
Lab File: VY023138.D
Acq: 19 Aug 2025 09:49

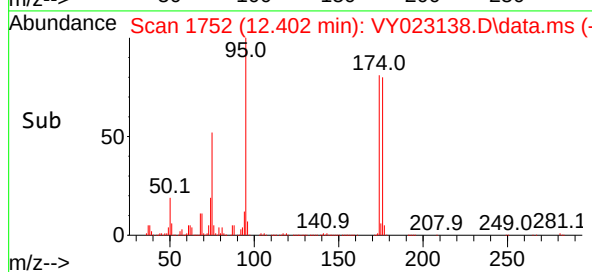
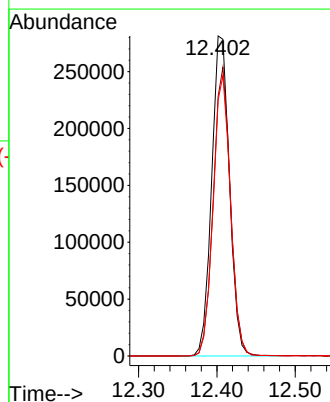
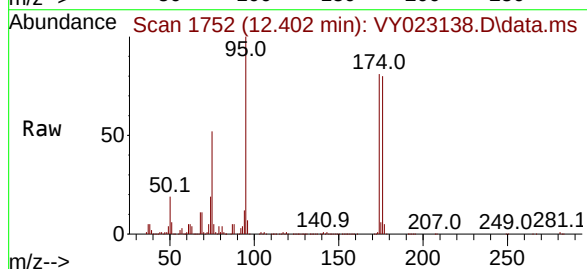
Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBL01

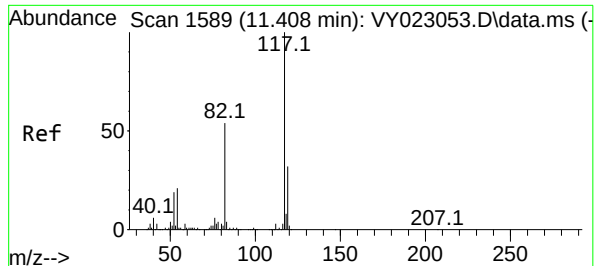
Tgt Ion: 98 Resp: 1432079
Ion Ratio Lower Upper
98 100
100 66.1 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 49.470 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023138.D
Acq: 19 Aug 2025 09:49

Tgt Ion: 95 Resp: 444143
Ion Ratio Lower Upper
95 100
174 87.2 0.0 171.6
176 85.2 0.0 167.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023138.D

Acq: 19 Aug 2025 09:49

Instrument :

MSVOA_Y

ClientSampleId :

VY0819SBL01

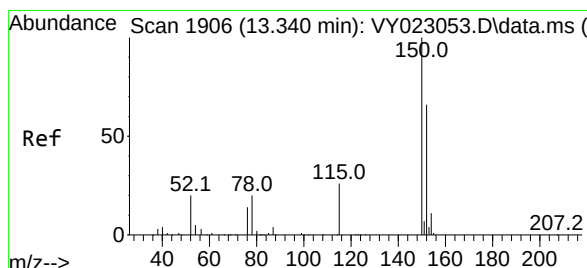
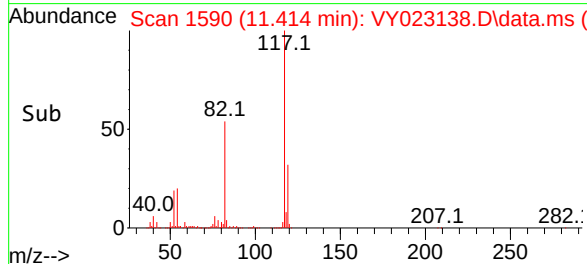
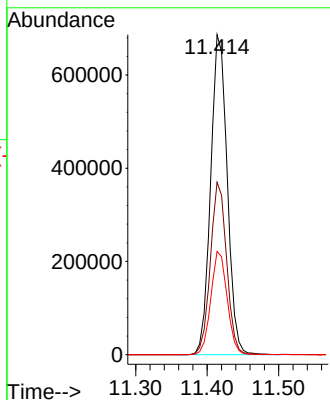
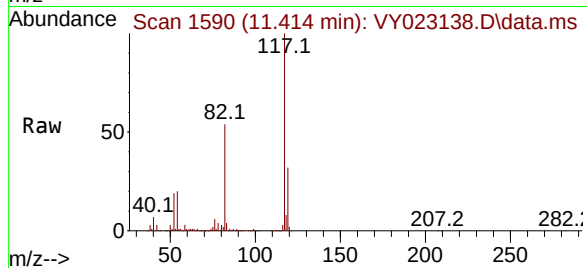
Tgt Ion:117 Resp: 1104701

Ion Ratio Lower Upper

117 100

82 53.8 43.4 65.0

119 32.3 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.006 min

Lab File: VY023138.D

Acq: 19 Aug 2025 09:49

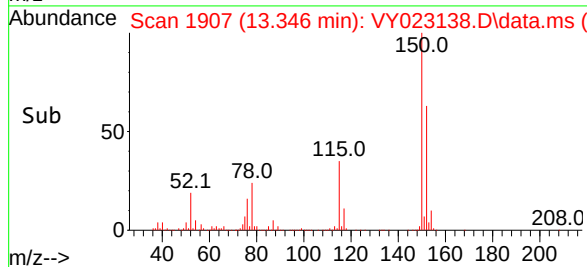
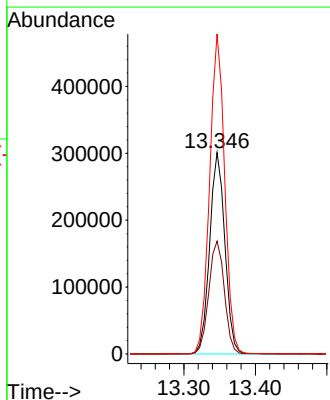
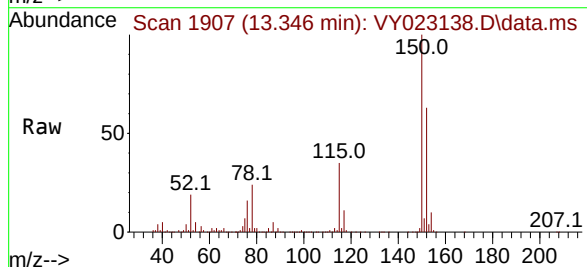
Tgt Ion:152 Resp: 444569

Ion Ratio Lower Upper

152 100

115 57.6 28.2 84.6

150 157.2 0.0 348.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081925\
Data File : VY023138.D
Acq On : 19 Aug 2025 09:49
Operator : SY/MD
Sample : VY0819SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBL01

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M

Title : SW846 8260

Signal : TIC: VY023138.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	7.634	958	970	976	rBV	510580	1243928	33.33%	6.594%
2	7.707	976	982	999	rVB	840685	1892132	50.70%	10.030%
3	8.061	1028	1040	1054	rBV	443697	971326	26.03%	5.149%
4	8.616	1120	1131	1146	rBV	1360918	2685104	71.95%	14.234%
5	10.109	1368	1376	1385	rBV	2198754	3731783	100.00%	19.782%
6	11.414	1583	1590	1603	rBV	2046252	3307378	88.63%	17.533%
7	12.408	1744	1753	1766	rBV	1451914	2322536	62.24%	12.312%
8	13.346	1901	1907	1923	rVB	1768318	2667628	71.48%	14.141%
9	13.883	1989	1995	2002	rVB2	27347	42356	1.14%	0.225%

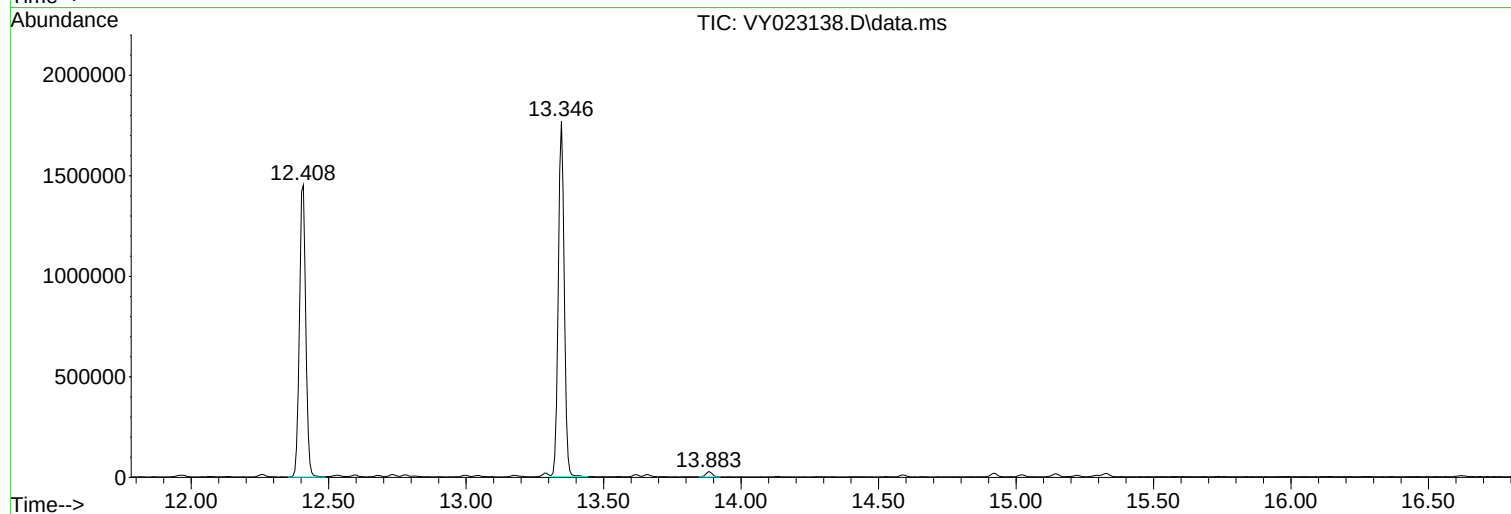
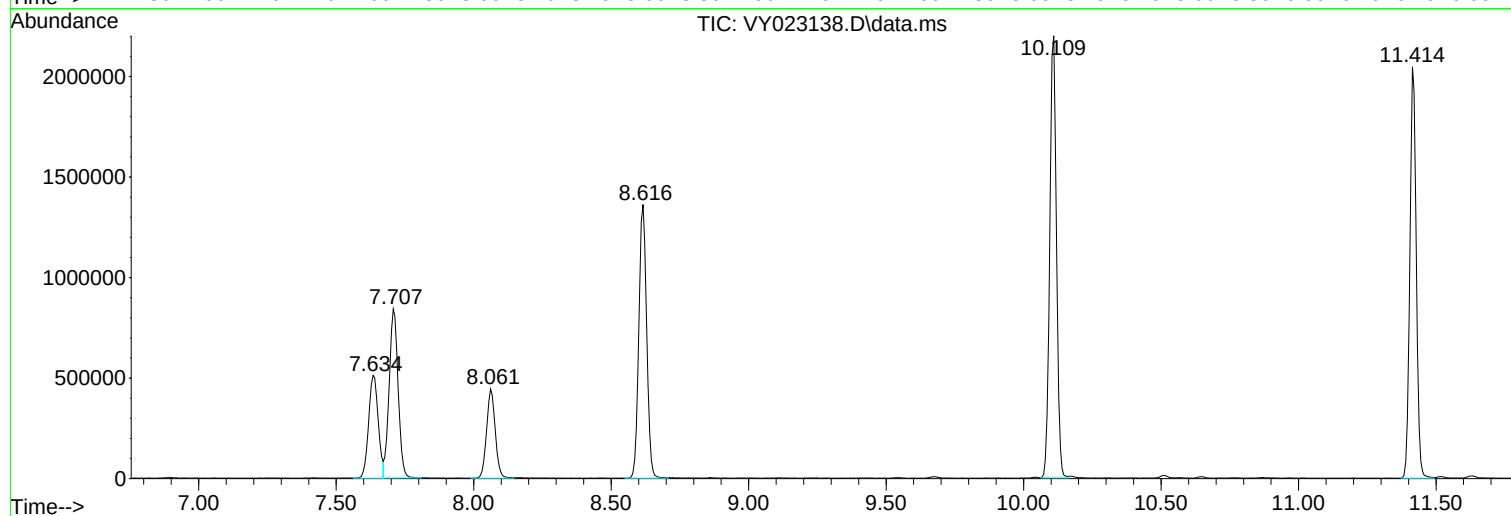
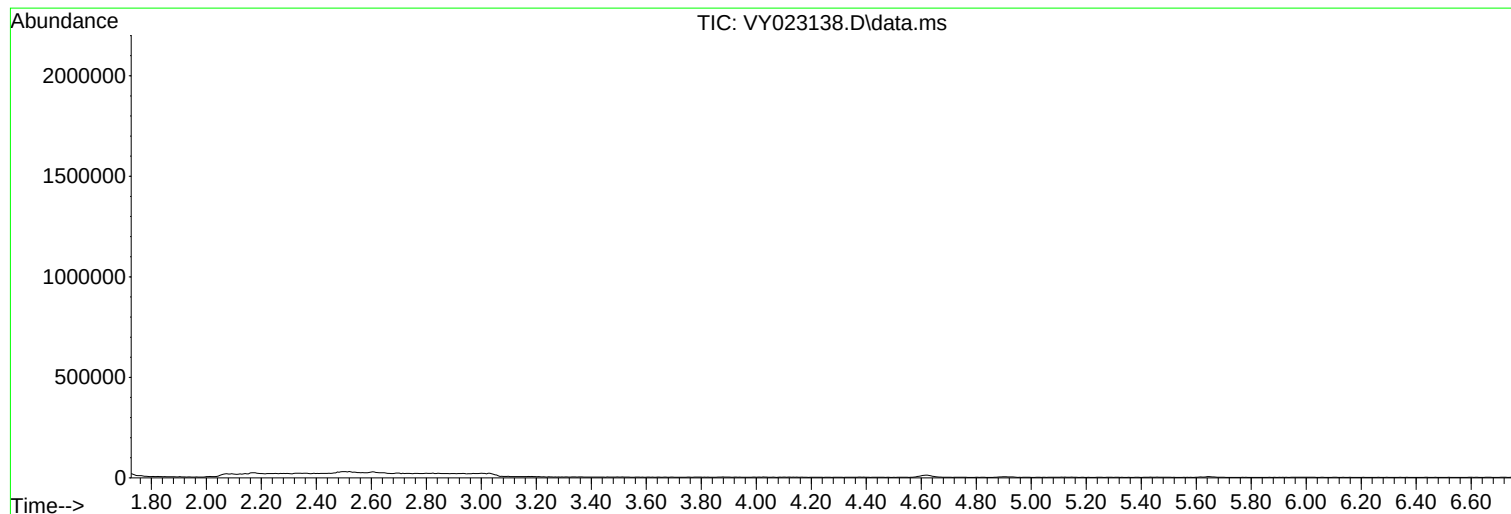
Sum of corrected areas: 18864171

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081925\
Data File : VY023138.D
Acq On : 19 Aug 2025 09:49
Operator : SY/MD
Sample : VY0819SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081925\
Data File : VY023138.D
Acq On : 19 Aug 2025 09:49
Operator : SY/MD
Sample : VY0819SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081925\
Data File : VY023138.D
Acq On : 19 Aug 2025 09:49
Operator : SY/MD
Sample : VY0819SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260

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

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

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	
Project:	USACE018-44 DOD	Date Received:	
Client Sample ID:	VW0814SBS01	SDG No.:	Q2820
Lab Sample ID:	VW0814SBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5	Units:	g
Soil Aliquot Vol:			uL
GC Column:	RXI-624	ID :	0.25
Prep Method :		Level :	LOW

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032082.D	1	08/14/25 10:27	VW081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	22.1		1.10	4.00	5.00	ug/Kg
74-87-3	Chloromethane	18.3		1.10	2.50	5.00	ug/Kg
75-01-4	Vinyl Chloride	19.6		0.79	2.50	5.00	ug/Kg
74-83-9	Bromomethane	21.7		1.10	4.00	5.00	ug/Kg
75-00-3	Chloroethane	20.2		1.30	2.50	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	18.9		1.20	4.00	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	21.9		1.10	2.50	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	21.4		1.00	2.50	5.00	ug/Kg
67-64-1	Acetone	120		4.70	20.0	25.0	ug/Kg
75-15-0	Carbon Disulfide	17.5		1.10	4.00	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	18.1		0.73	2.50	5.00	ug/Kg
79-20-9	Methyl Acetate	17.2		1.50	4.00	5.00	ug/Kg
75-09-2	Methylene Chloride	17.6		3.50	8.00	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	18.6		0.86	2.50	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	18.2		0.80	2.50	5.00	ug/Kg
110-82-7	Cyclohexane	17.3		0.79	2.50	5.00	ug/Kg
78-93-3	2-Butanone	95.6		6.50	20.0	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	22.1		0.97	2.50	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	18.9		0.75	2.50	5.00	ug/Kg
74-97-5	Bromochloromethane	19.2		1.20	4.00	5.00	ug/Kg
67-66-3	Chloroform	19.6		0.84	4.00	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	19.4		0.93	2.50	5.00	ug/Kg
108-87-2	Methylcyclohexane	18.8		0.91	2.50	5.00	ug/Kg
71-43-2	Benzene	20.4		0.79	2.50	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	22.0		0.79	2.50	5.00	ug/Kg
79-01-6	Trichloroethene	20.6		0.81	2.50	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	19.8		0.91	2.50	5.00	ug/Kg
75-27-4	Bromodichloromethane	21.2		0.78	2.50	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	100		3.60	12.5	25.0	ug/Kg
108-88-3	Toluene	20.6		0.78	2.50	5.00	ug/Kg

Report of Analysis

Client:	First Environment, Inc.		Date Collected:	
Project:	USACE018-44 DOD		Date Received:	
Client Sample ID:	VW0814SBS01		SDG No.:	Q2820
Lab Sample ID:	VW0814SBS01		Matrix:	SOIL
Analytical Method:	8260D		% Solid:	100
Sample Wt/Vol:	5	Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032082.D	1	08/14/25 10:27	VW081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	19.3		0.65	2.50	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	20.0		0.62	2.50	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	20.7		0.92	2.50	5.00	ug/Kg
591-78-6	2-Hexanone	100		3.70	12.5	25.0	ug/Kg
124-48-1	Dibromochloromethane	21.7		0.87	2.50	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	21.0		0.88	2.50	5.00	ug/Kg
127-18-4	Tetrachloroethene	21.5		1.10	2.50	5.00	ug/Kg
108-90-7	Chlorobenzene	20.4		0.91	2.50	5.00	ug/Kg
100-41-4	Ethyl Benzene	20.2		0.67	2.50	5.00	ug/Kg
179601-23-1	m/p-Xylenes	40.1		1.20	5.00	10.0	ug/Kg
95-47-6	o-Xylene	19.8		0.82	2.50	5.00	ug/Kg
100-42-5	Styrene	20.1		0.71	2.50	5.00	ug/Kg
75-25-2	Bromoform	22.1		0.86	2.50	5.00	ug/Kg
98-82-8	Isopropylbenzene	19.3		0.78	2.50	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	19.2		1.20	2.50	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	21.5		1.70	2.50	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	19.4		1.60	2.50	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	21.0		1.50	2.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	18.1		1.80	4.00	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	19.4		3.00	4.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	20.0		3.20	4.00	5.00	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	49.2		71 - 136		98%	SPK: 50
1868-53-7	Dibromofluoromethane	53.4		78 - 119		107%	SPK: 50
2037-26-5	Toluene-d8	51.8		85 - 116		104%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.2		79 - 119		98%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	209000	7.959				
540-36-3	1,4-Difluorobenzene	361000	8.849				
3114-55-4	Chlorobenzene-d5	335000	11.629				
3855-82-1	1,4-Dichlorobenzene-d4	174000	13.556				

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	
Project:	USACE018-44 DOD	Date Received:	
Client Sample ID:	VW0814SBS01	SDG No.:	Q2820
Lab Sample ID:	VW0814SBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5	Units:	g
Soil Aliquot Vol:			uL
GC Column:	RXI-624	ID :	0.25
Prep Method :		Level :	LOW
		Final Vol:	5000
		Test:	VOC-TCLVOA-10

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032082.D	1	08/14/25 10:27	VW081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
------------	-----------	-------	-----------	-----	-----	------------	-------

U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 E = Value Exceeds Calibration Range
 Q = indicates LCS control criteria did not meet requirements
 M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 N = Presumptive Evidence of a Compound
 * = Values outside of QC limits
 D = Dilution
 () = Laboratory InHouse Limit
 A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
 Data File : VW032082.D
 Acq On : 14 Aug 2025 10:27
 Operator : SY/MD
 Sample : VW0814SBS01
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0814SBS01

Quant Time: Aug 18 03:47:20 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 12 04:04:48 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 08/19/2025
 Supervised By :Mahesh Dadoda 08/19/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.959	168	208549	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	361028	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	335310	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	173541	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	148274	49.159	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery =	98.320%		
35) Dibromofluoromethane	7.898	113	124570	53.409	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery =	106.820%		
50) Toluene-d8	10.325	98	447242	51.843	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery =	103.680%		
62) 4-Bromofluorobenzene	12.617	95	156394	49.195	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery =	98.380%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.039	85	32981	22.111	ug/l	95
3) Chloromethane	2.253	50	36714	18.273	ug/l	100
4) Vinyl Chloride	2.405	62	47688	19.622	ug/l	91
5) Bromomethane	2.820	94	39599	21.718	ug/l	97
6) Chloroethane	2.966	64	32544	20.236	ug/l	97
7) Trichlorofluoromethane	3.295	101	36751	18.876	ug/l	93
8) Diethyl Ether	3.716	74	31522	19.762	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.094	101	50221	21.864	ug/l	97
10) Methyl Iodide	4.301	142	63316	19.442	ug/l	96
11) Tert butyl alcohol	5.222	59	17609	90.159	ug/l #	86
12) 1,1-Dichloroethene	4.076	96	54130	21.402	ug/l	99
13) Acrolein	3.923	56	25014	80.380	ug/l	99
14) Allyl chloride	4.704	41	62252	16.912	ug/l	89
15) Acrylonitrile	5.393	53	66066	86.957	ug/l	97
16) Acetone	4.155	43	81154	116.212	ug/l	96
17) Carbon Disulfide	4.417	76	118861	17.509	ug/l	97
18) Methyl Acetate	4.704	43	37911	17.156	ug/l	99
19) Methyl tert-butyl Ether	5.460	73	80442	18.051	ug/l	97
20) Methylene Chloride	4.947	84	56840	17.604	ug/l	99
21) trans-1,2-Dichloroethene	5.454	96	49845	18.571	ug/l	97
22) Diisopropyl ether	6.337	45	139100	17.925	ug/l	93
23) Vinyl Acetate	6.283	43	471681	92.580	ug/l	99
24) 1,1-Dichloroethane	6.240	63	90076	18.168	ug/l	99
25) 2-Butanone	7.191	43	94859	95.576	ug/l	99
26) 2,2-Dichloropropane	7.185	77	46011	18.498	ug/l	100
27) cis-1,2-Dichloroethene	7.185	96	59218	18.875	ug/l	96
28) Bromochloromethane	7.526	49	43295	19.189	ug/l	94
29) Tetrahydrofuran	7.551	42	57438	87.753	ug/l	98
30) Chloroform	7.691	83	102932	19.583	ug/l	96
31) Cyclohexane	7.965	56	74302	17.286	ug/l	96
32) 1,1,1-Trichloroethane	7.892	97	74063	19.399	ug/l	99
36) 1,1-Dichloropropene	8.093	75	67400	20.499	ug/l	100
37) Ethyl Acetate	7.276	43	39578	20.438	ug/l	97
38) Carbon Tetrachloride	8.087	117	70115	22.097	ug/l	98
39) Methylcyclohexane	9.343	83	75369	18.806	ug/l	96
40) Benzene	8.331	78	208337	20.384	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
 Data File : VW032082.D
 Acq On : 14 Aug 2025 10:27
 Operator : SY/MD
 Sample : VW0814SBS01
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0814SBS01

Quant Time: Aug 18 03:47:20 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 12 04:04:48 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 08/19/2025
 Supervised By :Mahesh Dadoda 08/19/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.502	41	20590	18.749	ug/l	92
42) 1,2-Dichloroethane	8.410	62	71790	21.951	ug/l	99
43) Isopropyl Acetate	8.435	43	69849	19.605	ug/l	99
44) Trichloroethene	9.099	130	50257	20.648	ug/l	97
45) 1,2-Dichloropropane	9.374	63	48874	19.794	ug/l	99
46) Dibromomethane	9.465	93	34741	21.800	ug/l	99
47) Bromodichloromethane	9.648	83	77846	21.199	ug/l	98
48) Methyl methacrylate	9.441	41	32666	18.991	ug/l #	92
49) 1,4-Dioxane	9.459	88	7897	383.262	ug/l #	79
51) 4-Methyl-2-Pentanone	10.209	43	207218	103.043	ug/l	96
52) Toluene	10.392	92	132319	20.554	ug/l	99
53) t-1,3-Dichloropropene	10.605	75	66557	19.346	ug/l	98
54) cis-1,3-Dichloropropene	10.075	75	77941	19.970	ug/l	93
55) 1,1,2-Trichloroethane	10.788	97	43846	20.705	ug/l	96
56) Ethyl methacrylate	10.648	69	54454	19.216	ug/l #	94
57) 1,3-Dichloropropane	10.934	76	75241	20.384	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.928	63	150289	95.881	ug/l	99
59) 2-Hexanone	10.971	43	145508	104.476	ug/l	94
60) Dibromochloromethane	11.129	129	52415	21.668	ug/l	97
61) 1,2-Dibromoethane	11.239	107	43206	20.995	ug/l	100
64) Tetrachloroethene	10.867	164	41545	21.451	ug/l	94
65) Chlorobenzene	11.660	112	148850	20.395	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.727	131	49016	21.525	ug/l	96
67) Ethyl Benzene	11.727	91	249471	20.179	ug/l	98
68) m/p-Xylenes	11.836	106	191394	40.121	ug/l	96
69) o-Xylene	12.166	106	87428	19.829	ug/l	98
70) Styrene	12.178	104	157674	20.133	ug/l	100
71) Bromoform	12.349	173	28805	22.114	ug/l #	99
73) Isopropylbenzene	12.464	105	234043	19.298	ug/l	98
74) N-amyl acetate	12.269	43	63547	18.263	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.714	83	55414	19.244	ug/l	99
76) 1,2,3-Trichloropropane	12.763	75	47821m	20.303	ug/l	
77) Bromobenzene	12.745	156	58767	20.288	ug/l	89
78) n-propylbenzene	12.800	91	293106	19.630	ug/l	99
79) 2-Chlorotoluene	12.885	91	172088	18.674	ug/l	96
80) 1,3,5-Trimethylbenzene	12.940	105	199943	19.419	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.507	75	14926	16.406	ug/l #	84
82) 4-Chlorotoluene	12.983	91	186440	19.042	ug/l	98
83) tert-Butylbenzene	13.202	119	162438	19.009	ug/l	99
84) 1,2,4-Trimethylbenzene	13.245	105	204141	19.477	ug/l	97
85) sec-Butylbenzene	13.379	105	246430	19.074	ug/l	100
86) p-Isopropyltoluene	13.495	119	210533	19.547	ug/l	99
87) 1,3-Dichlorobenzene	13.495	146	123661	21.455	ug/l	97
88) 1,4-Dichlorobenzene	13.574	146	112801	19.366	ug/l	96
89) n-Butylbenzene	13.818	91	203065	19.407	ug/l	97
90) Hexachloroethane	14.086	117	37065	18.817	ug/l	97
91) 1,2-Dichlorobenzene	13.867	146	109453	20.963	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	14.482	75	9291	18.149	ug/l	95
93) 1,2,4-Trichlorobenzene	15.123	180	60665	19.423	ug/l	99
94) Hexachlorobutadiene	15.226	225	28357	20.310	ug/l	99
95) Naphthalene	15.360	128	136270	17.805	ug/l	98
96) 1,2,3-Trichlorobenzene	15.549	180	56830	19.997	ug/l	95

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
Data File : VW032082.D
Acq On : 14 Aug 2025 10:27
Operator : SY/MD
Sample : VW0814SBS01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0814SBS01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025

Quant Time: Aug 18 03:47:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 12 04:04:48 2025
Response via : Initial Calibration

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
 Data File : VW032082.D
 Acq On : 14 Aug 2025 10:27
 Operator : SY/MD
 Sample : VW0814SBS01
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :

MSVOA_W

ClientSampleId :

VW0814SBS01

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/19/2025

Supervised By :Mahesh Dadoda 08/19/2025

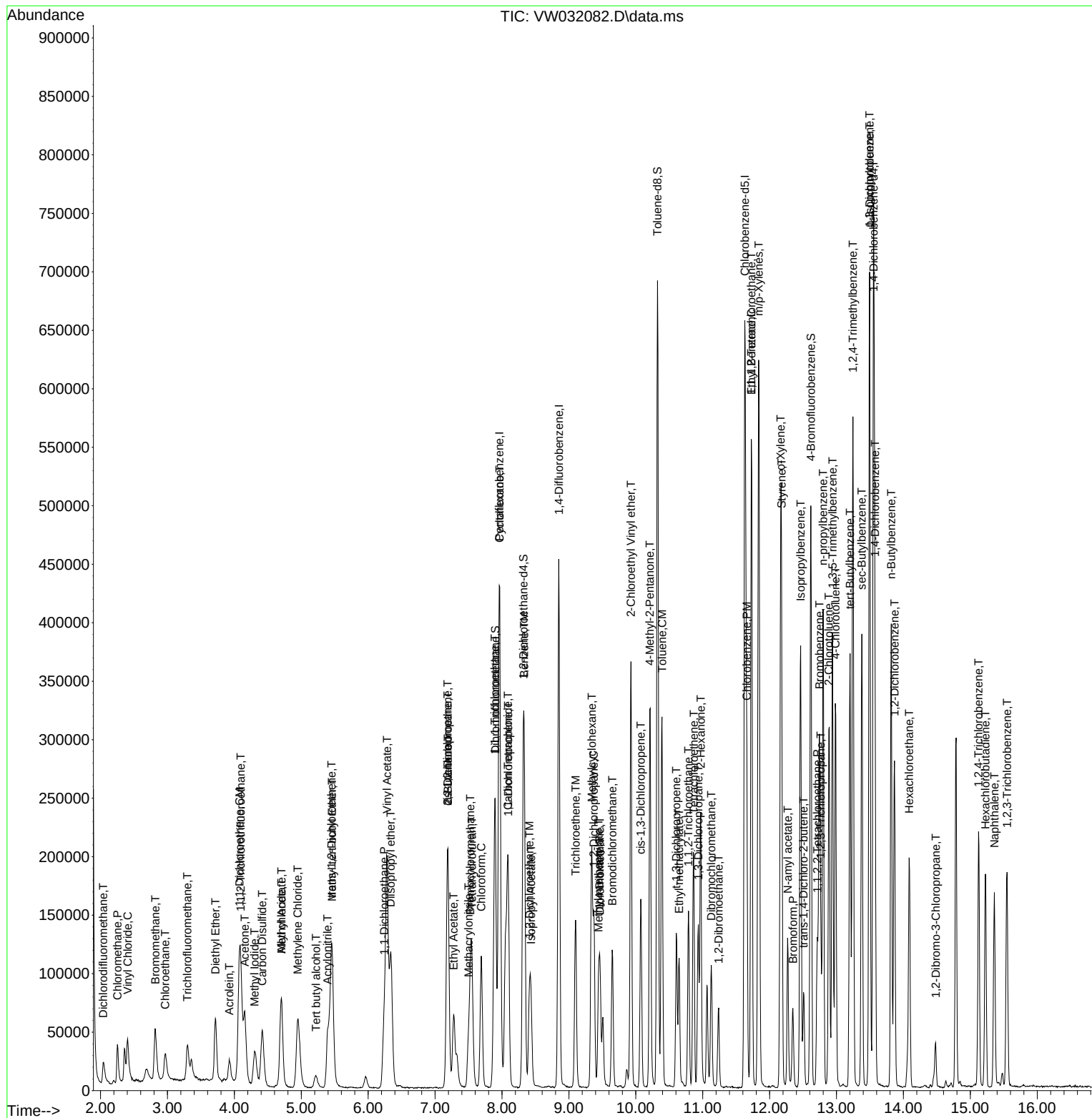
Quant Time: Aug 18 03:47:20 2025

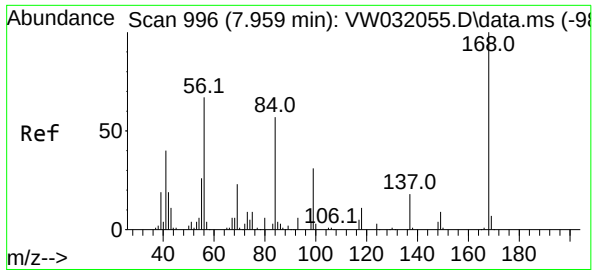
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Quant Title : SW846 8260

QLast Update : Tue Aug 12 04:04:48 2025

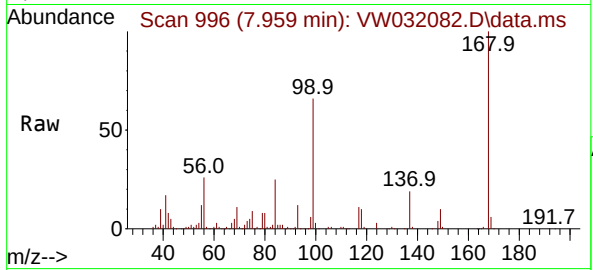
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 996
Delta R.T. 0.000 min
Lab File: VW032082.D
Acq: 14 Aug 2025 10:27

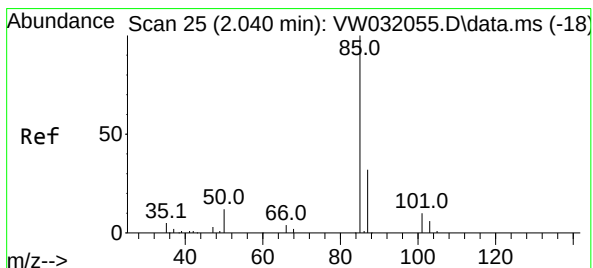
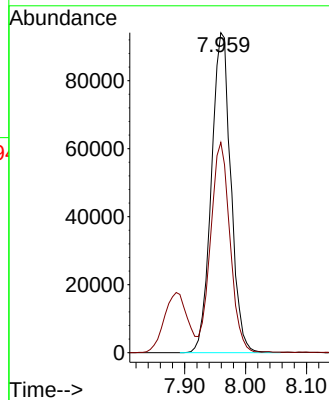
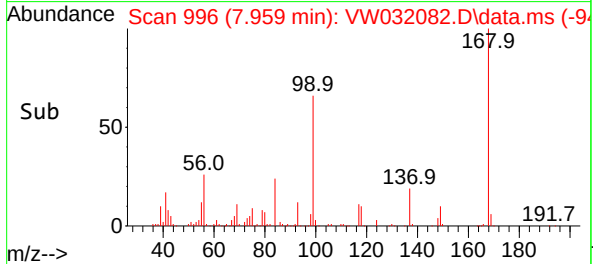
Instrument :
MSVOA_W
ClientSampleId :
VW0814SBS01



Tgt Ion:168 Resp: 208549
Ion Ratio Lower Upper
168 100
99 65.5 56.0 84.0

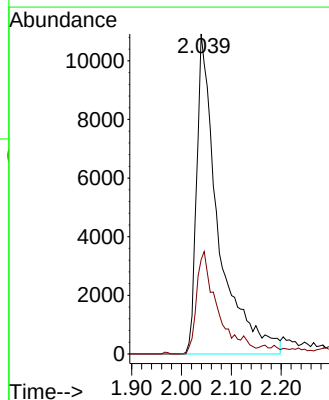
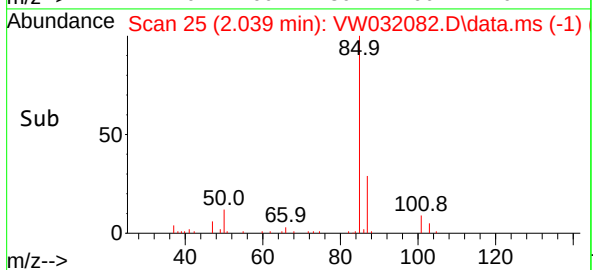
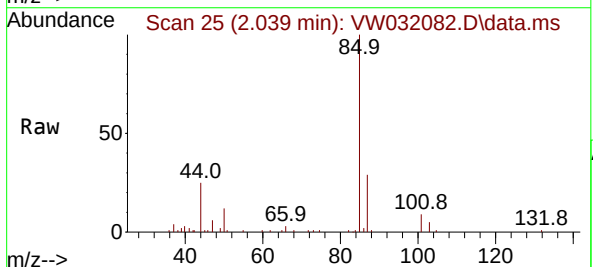
Manual Integrations
APPROVED

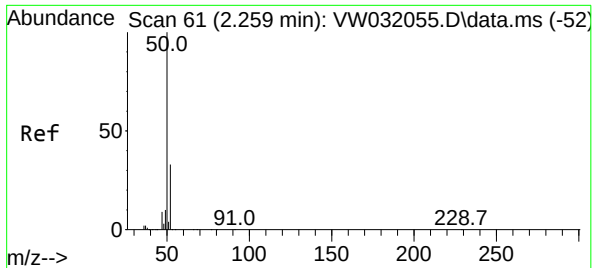
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025



#2
Dichlorodifluoromethane
Concen: 22.111 ug/l
RT: 2.039 min Scan# 25
Delta R.T. -0.000 min
Lab File: VW032082.D
Acq: 14 Aug 2025 10:27

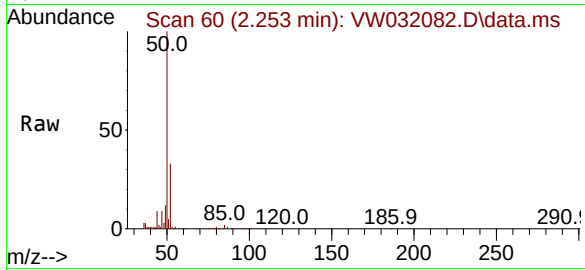
Tgt Ion: 85 Resp: 32981
Ion Ratio Lower Upper
85 100
87 29.5 16.2 48.6





#3
Chloromethane
Concen: 18.273 ug/l
RT: 2.253 min Scan# 60
Delta R.T. -0.006 min
Lab File: VW032082.D
Acq: 14 Aug 2025 10:27

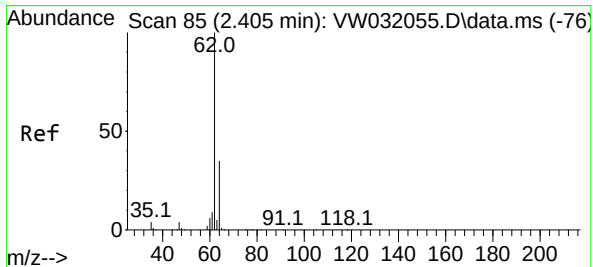
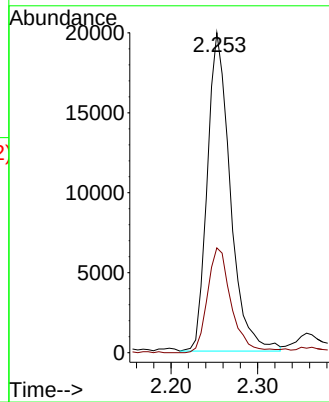
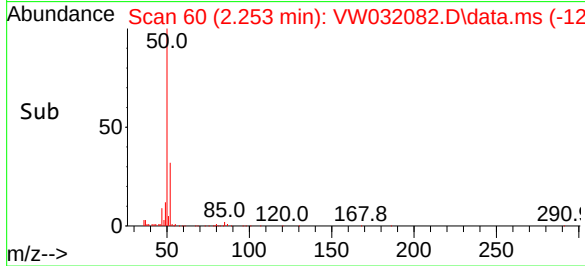
Instrument :
MSVOA_W
ClientSampleId :
VW0814SBS01



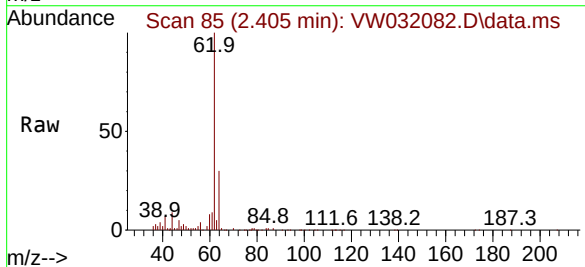
Tgt Ion: 50 Resp: 36714
Ion Ratio Lower Upper
50 100
52 32.9 26.6 39.8

Manual Integrations
APPROVED

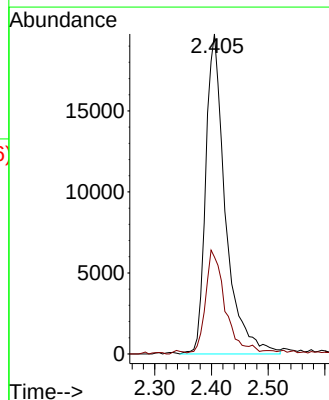
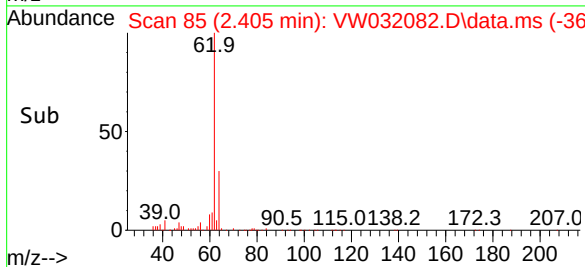
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025

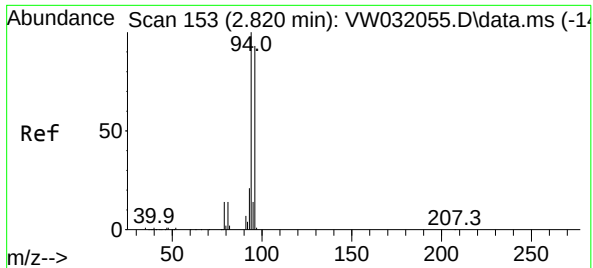


#4
Vinyl Chloride
Concen: 19.622 ug/l
RT: 2.405 min Scan# 85
Delta R.T. -0.000 min
Lab File: VW032082.D
Acq: 14 Aug 2025 10:27



Tgt Ion: 62 Resp: 47688
Ion Ratio Lower Upper
62 100
64 29.5 27.8 41.6





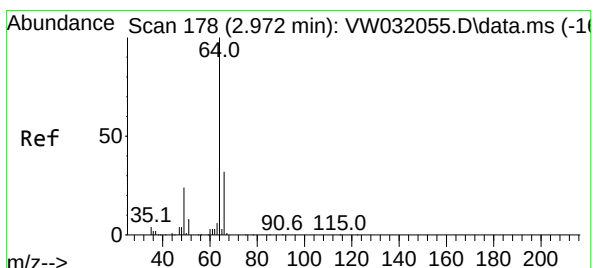
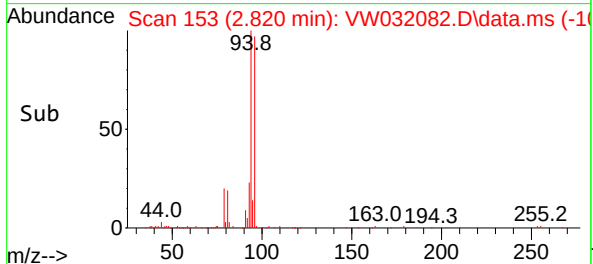
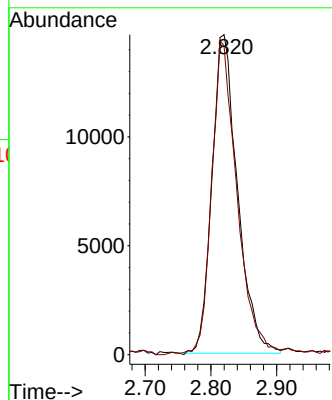
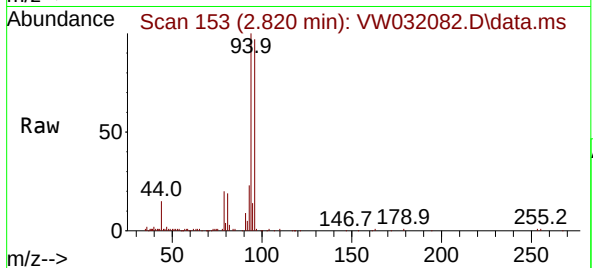
#5
Bromomethane
Concen: 21.718 ug/l
RT: 2.820 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW032082.D
Acq: 14 Aug 2025 10:27

Instrument :
MSVOA_W
ClientSampleId :
VW0814SBS01

Tgt Ion: 94 Resp: 3959
Ion Ratio Lower Upper
94 100
96 96.6 74.7 112.1

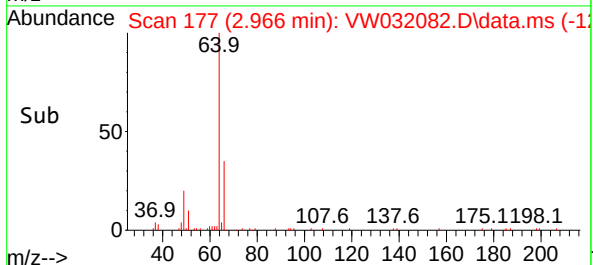
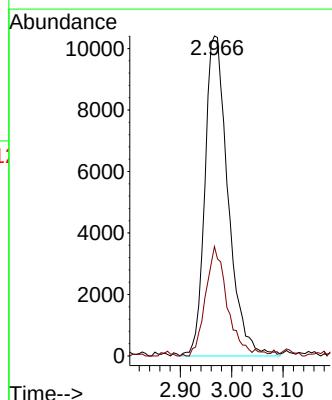
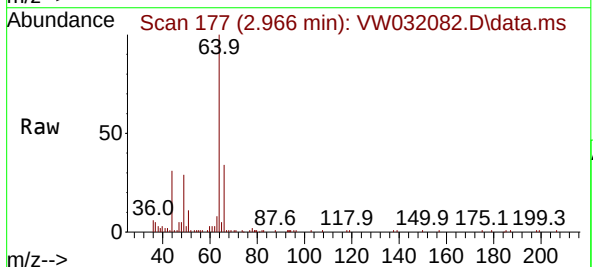
Manual Integrations
APPROVED

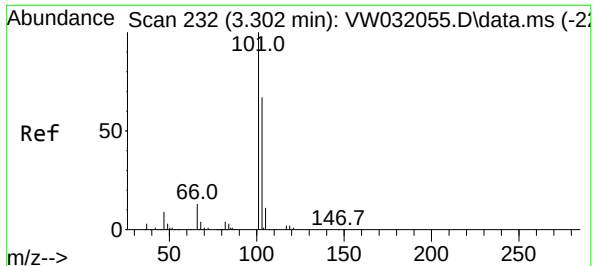
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025



#6
Chloroethane
Concen: 20.236 ug/l
RT: 2.966 min Scan# 177
Delta R.T. -0.006 min
Lab File: VW032082.D
Acq: 14 Aug 2025 10:27

Tgt Ion: 64 Resp: 32544
Ion Ratio Lower Upper
64 100
66 34.2 26.0 39.0





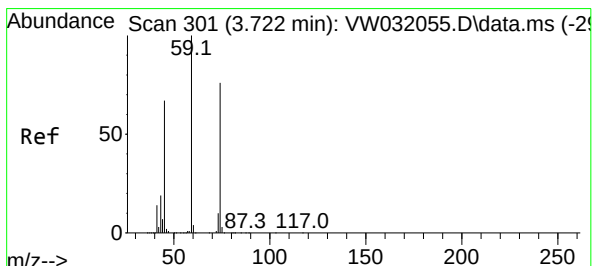
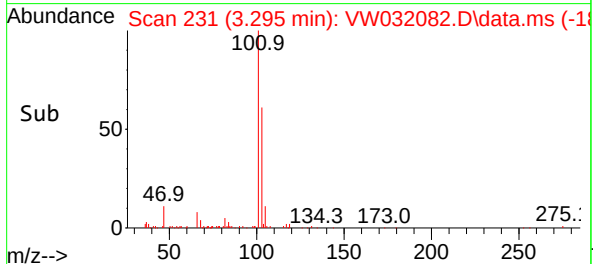
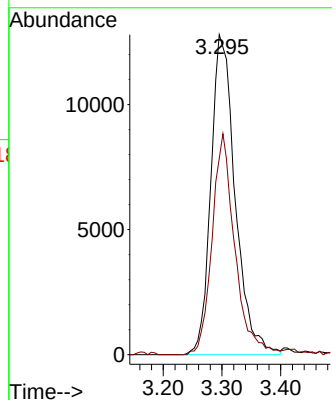
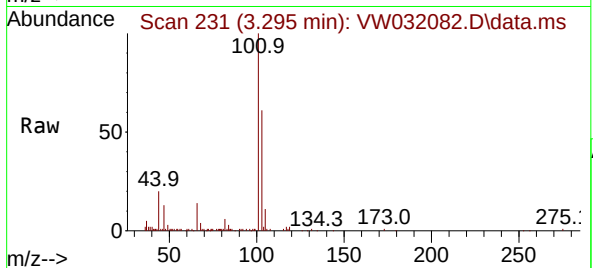
#7
Trichlorofluoromethane
Concen: 18.876 ug/l
RT: 3.295 min Scan# 21
Delta R.T. -0.006 min
Lab File: VW032082.D
Acq: 14 Aug 2025 10:27

Instrument :
MSVOA_W
ClientSampleId :
VW0814SBS01

Tgt Ion:101 Resp: 3675
Ion Ratio Lower Upper
101 100
103 61.3 53.4 80.0

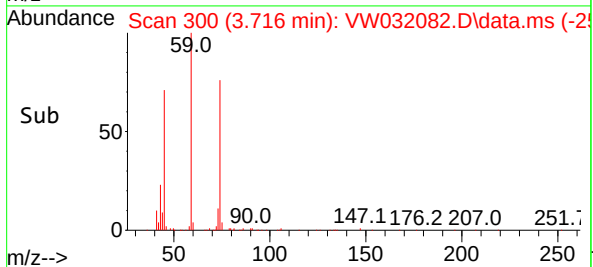
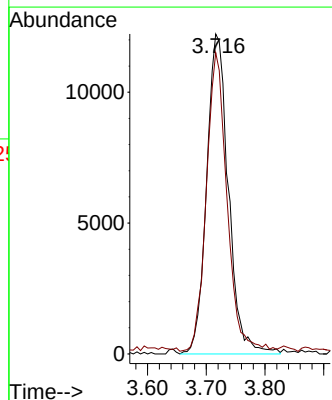
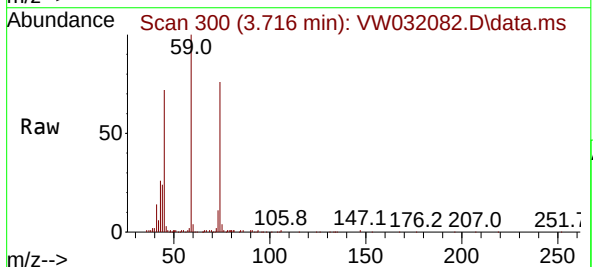
Manual Integrations
APPROVED

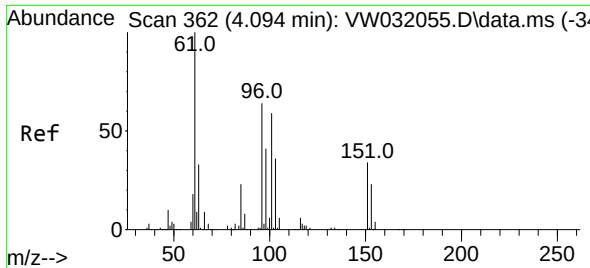
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025



#8
Diethyl Ether
Concen: 19.762 ug/l
RT: 3.716 min Scan# 300
Delta R.T. -0.006 min
Lab File: VW032082.D
Acq: 14 Aug 2025 10:27

Tgt Ion: 74 Resp: 31522
Ion Ratio Lower Upper
74 100
45 88.4 45.4 136.2





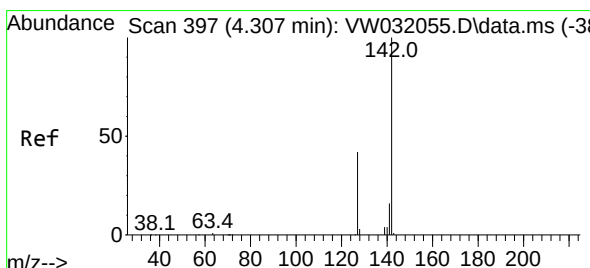
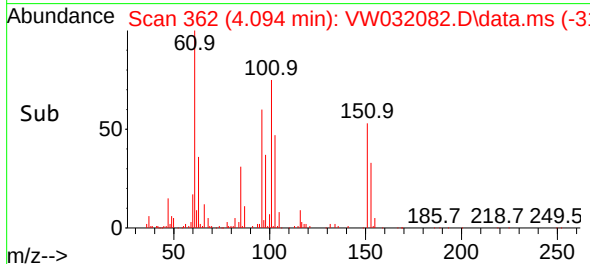
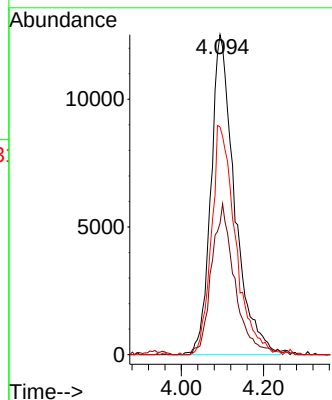
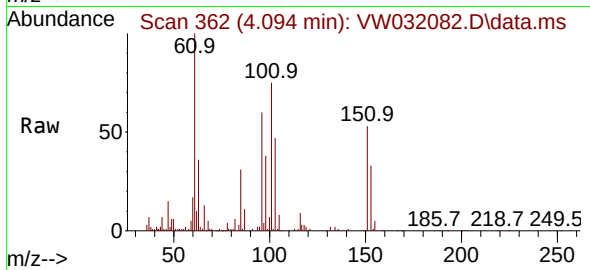
#9
1,1,2-Trichlorotrifluoroethane
Concen: 21.864 ug/l
RT: 4.094 min Scan# 362
Delta R.T. -0.000 min
Lab File: VW032082.D
Acq: 14 Aug 2025 10:27

Instrument :
MSVOA_W
ClientSampleId :
VW0814SBS01

Tgt Ion	Ratio	Lower	Upper
101	100		
85	46.1	34.9	52.3
151	72.6	56.2	84.4

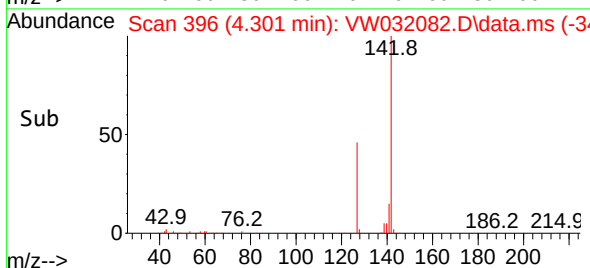
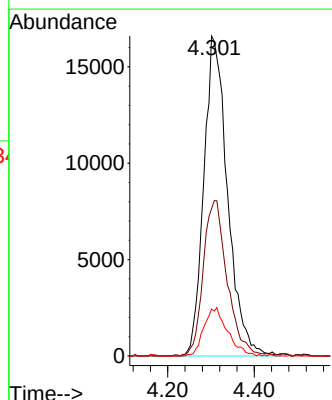
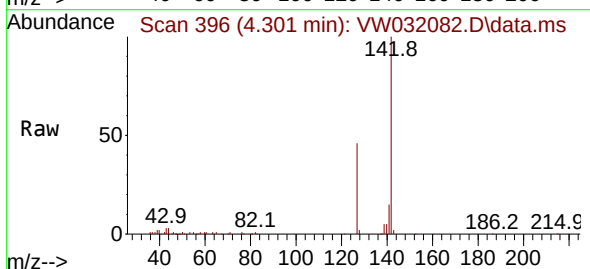
Manual Integrations
APPROVED

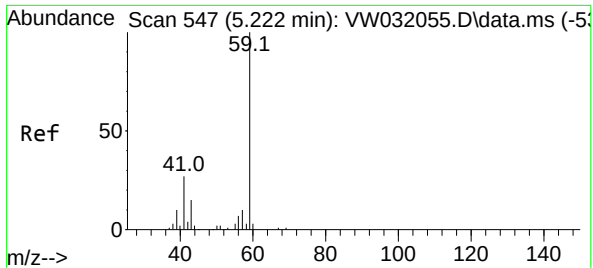
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025



#10
Methyl Iodide
Concen: 19.442 ug/l
RT: 4.301 min Scan# 396
Delta R.T. -0.006 min
Lab File: VW032082.D
Acq: 14 Aug 2025 10:27

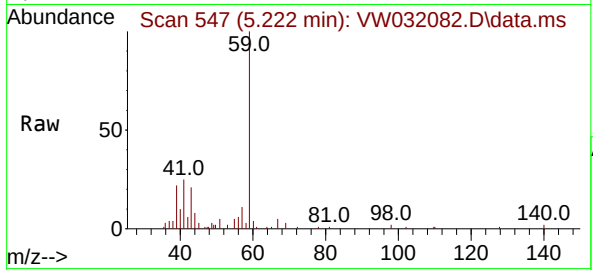
Tgt Ion	Ratio	Lower	Upper
142	100		
127	49.0	36.6	55.0
141	15.0	12.1	18.1





#11
Tert butyl alcohol
Concen: 90.159 ug/l
RT: 5.222 min Scan# 547
Delta R.T. -0.000 min
Lab File: VW032082.D
Acq: 14 Aug 2025 10:27

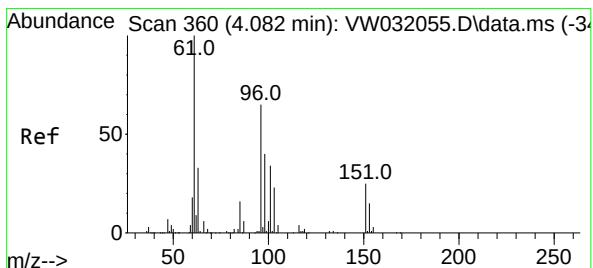
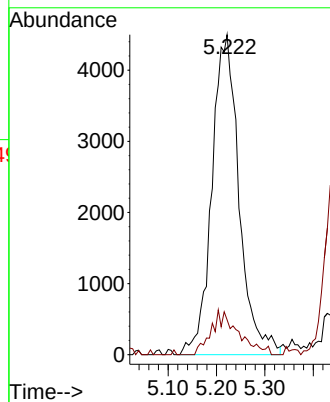
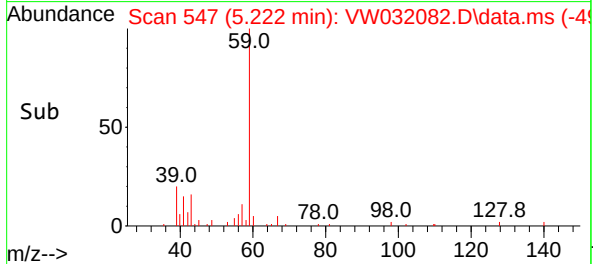
Instrument :
MSVOA_W
ClientSampleId :
VW0814SBS01



Tgt Ion: 59 Resp: 17609
Ion Ratio Lower Upper
59 100
57 5.5 8.7 13.1

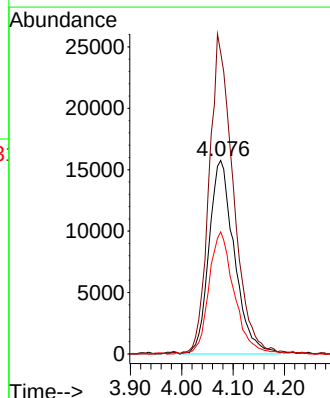
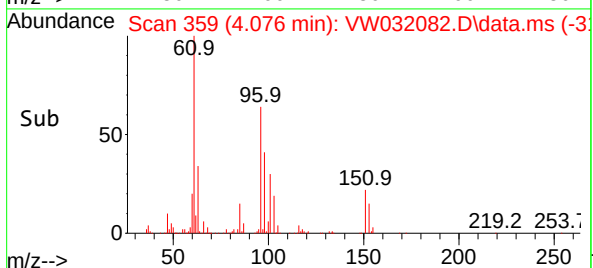
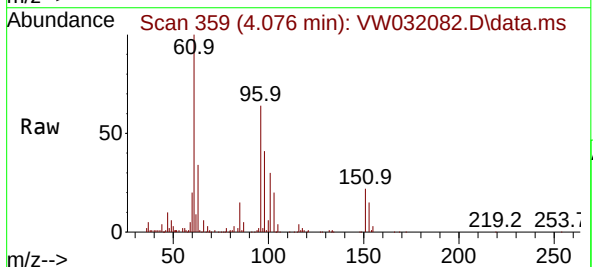
Manual Integrations
APPROVED

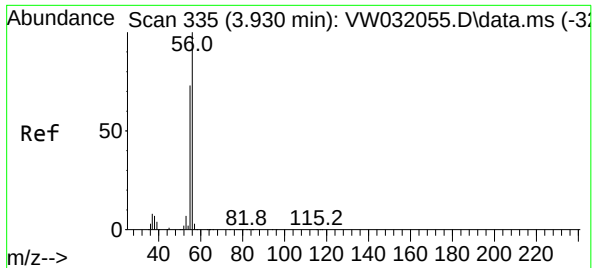
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025



#12
1,1-Dichloroethene
Concen: 21.402 ug/l
RT: 4.076 min Scan# 359
Delta R.T. -0.006 min
Lab File: VW032082.D
Acq: 14 Aug 2025 10:27

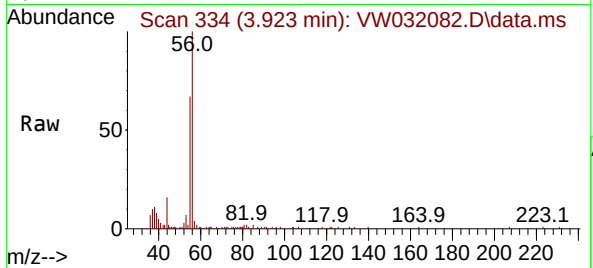
Tgt Ion: 96 Resp: 54130
Ion Ratio Lower Upper
96 100
61 155.8 123.4 185.2
98 62.7 49.5 74.3





#13
Acrolein
Concen: 80.380 ug/l
RT: 3.923 min Scan# 31
Delta R.T. -0.006 min
Lab File: VW032082.D
Acq: 14 Aug 2025 10:27

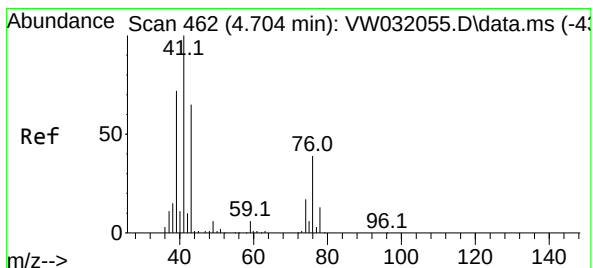
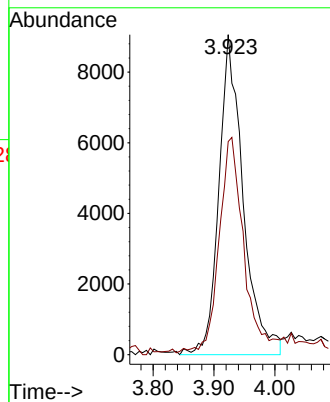
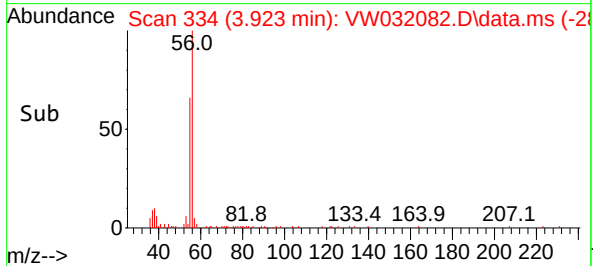
Instrument :
MSVOA_W
ClientSampleId :
VW0814SBS01



Tgt Ion: 56 Resp: 25014
Ion Ratio Lower Upper
56 100
55 68.2 55.4 83.2

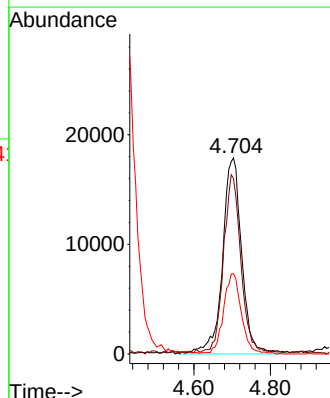
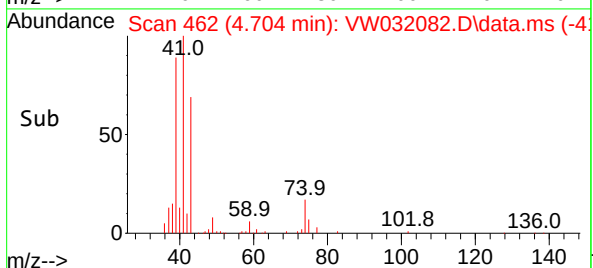
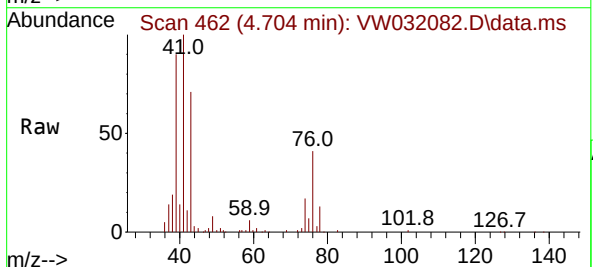
Manual Integrations
APPROVED

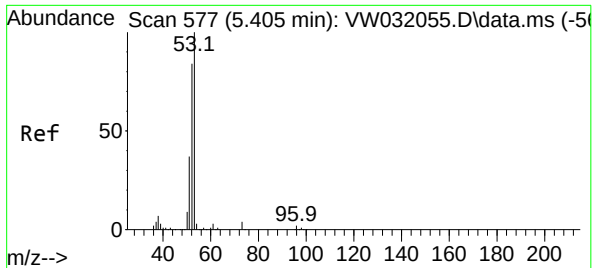
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025



#14
Allyl chloride
Concen: 16.912 ug/l
RT: 4.704 min Scan# 462
Delta R.T. -0.000 min
Lab File: VW032082.D
Acq: 14 Aug 2025 10:27

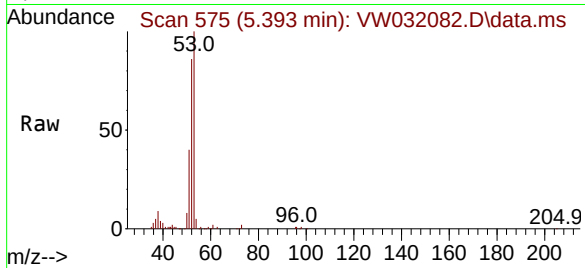
Tgt Ion: 41 Resp: 62252
Ion Ratio Lower Upper
41 100
39 80.3 54.5 81.7
76 38.2 29.3 43.9





#15
Acrylonitrile
Concen: 86.957 ug/l
RT: 5.393 min Scan# 51
Delta R.T. -0.012 min
Lab File: VW032082.D
Acq: 14 Aug 2025 10:27

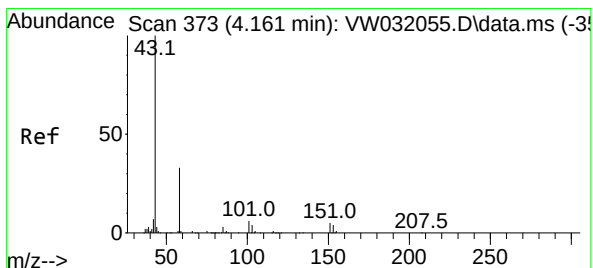
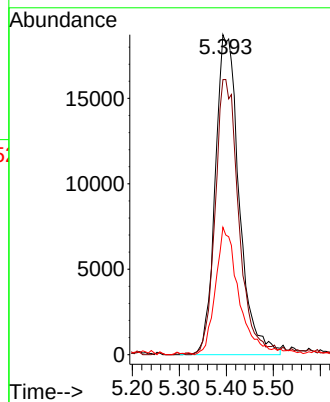
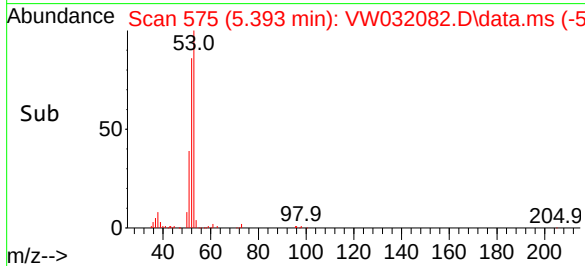
Instrument :
MSVOA_W
ClientSampleId :
VW0814SBS01



Tgt Ion: 53 Resp: 6606
Ion Ratio Lower Upper
53 100
52 84.8 66.1 99.1
51 38.5 29.2 43.8

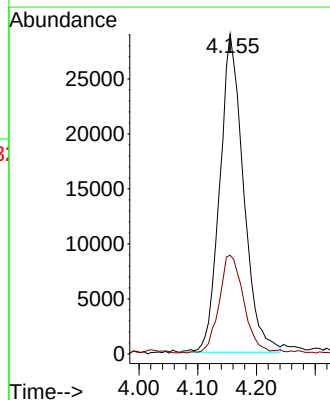
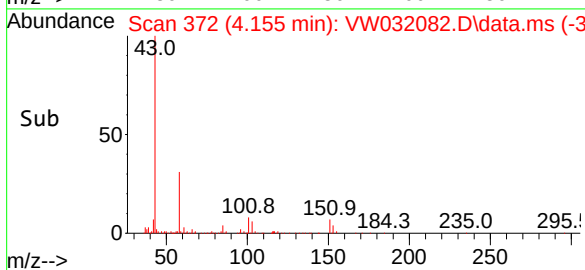
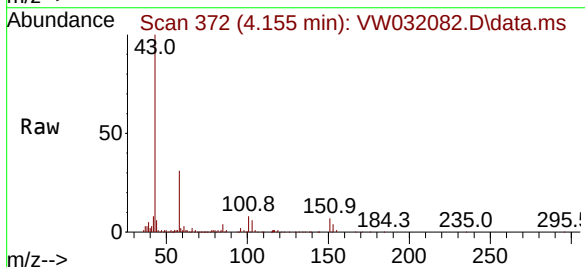
Manual Integrations
APPROVED

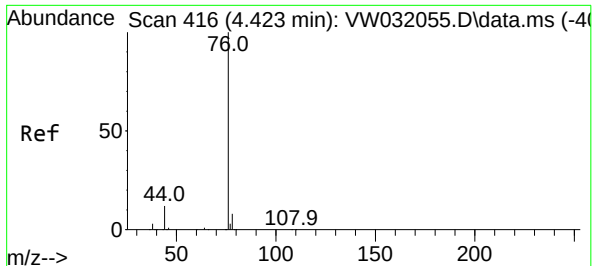
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025



#16
Acetone
Concen: 116.212 ug/l
RT: 4.155 min Scan# 372
Delta R.T. -0.006 min
Lab File: VW032082.D
Acq: 14 Aug 2025 10:27

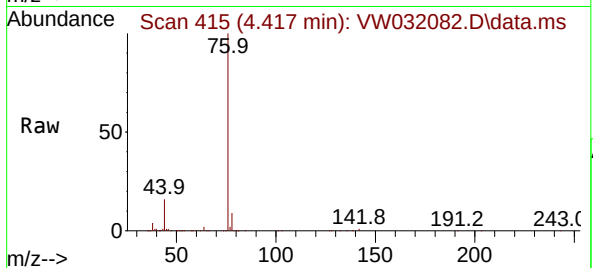
Tgt Ion: 43 Resp: 81154
Ion Ratio Lower Upper
43 100
58 30.7 26.6 39.8





#17
Carbon Disulfide
Concen: 17.509 ug/l
RT: 4.417 min Scan# 415
Delta R.T. -0.006 min
Lab File: VW032082.D
Acq: 14 Aug 2025 10:27

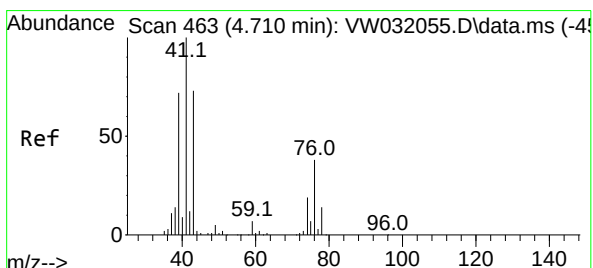
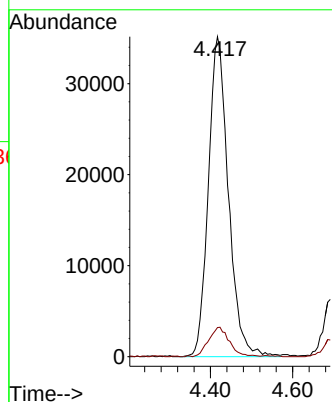
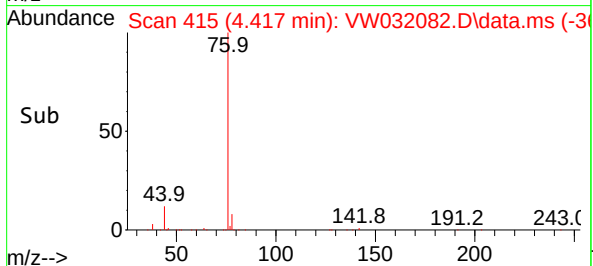
Instrument :
MSVOA_W
ClientSampleId :
VW0814SBS01



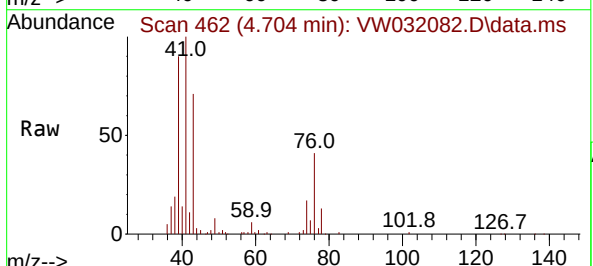
Tgt Ion: 76 Resp: 11886
Ion Ratio Lower Upper
76 100
78 9.1 6.4 9.6

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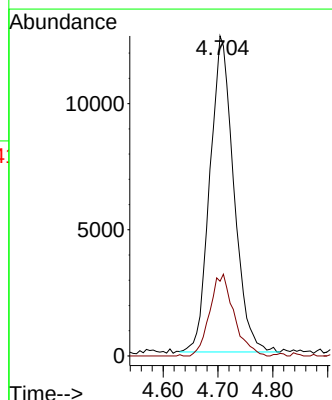
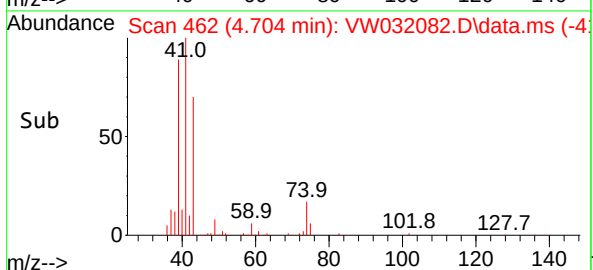
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025

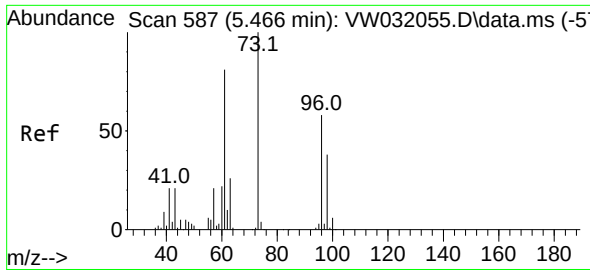


#18
Methyl Acetate
Concen: 17.156 ug/l
RT: 4.704 min Scan# 462
Delta R.T. -0.006 min
Lab File: VW032082.D
Acq: 14 Aug 2025 10:27



Tgt Ion: 43 Resp: 37911
Ion Ratio Lower Upper
43 100
74 26.2 20.6 31.0





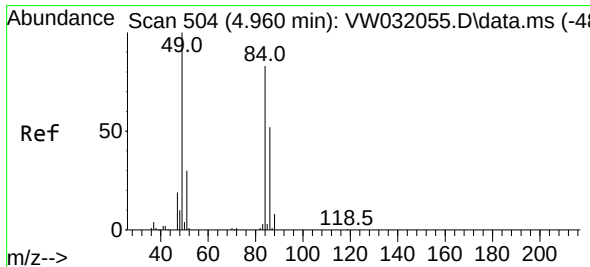
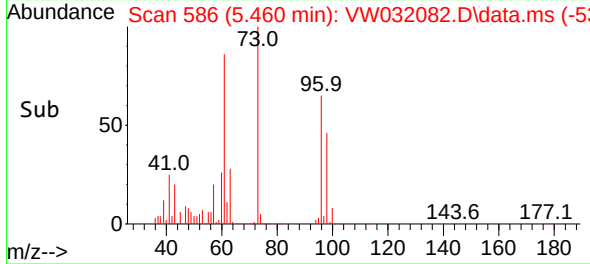
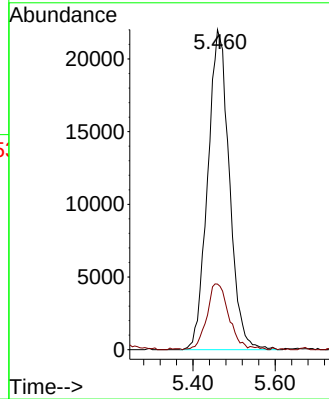
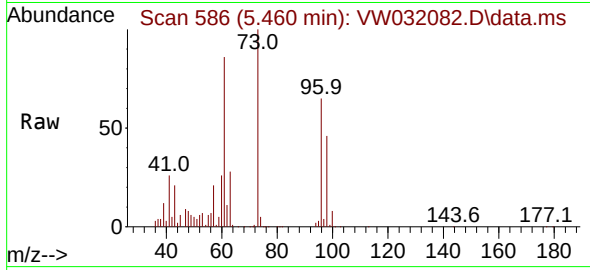
#19
Methyl tert-butyl Ether
Concen: 18.051 ug/l
RT: 5.460 min Scan# 51
Delta R.T. -0.006 min
Lab File: VW032082.D
Acq: 14 Aug 2025 10:27

Instrument :
MSVOA_W
ClientSampleId :
VW0814SBS01

Tgt Ion: 73 Resp: 8044
Ion Ratio Lower Upper
73 100
57 20.3 17.2 25.8

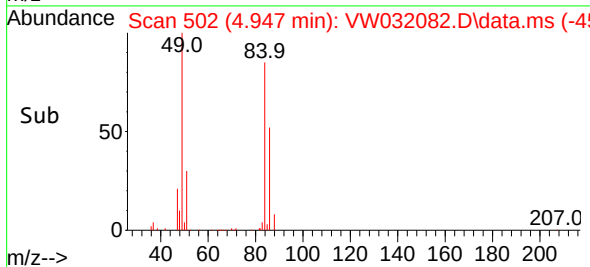
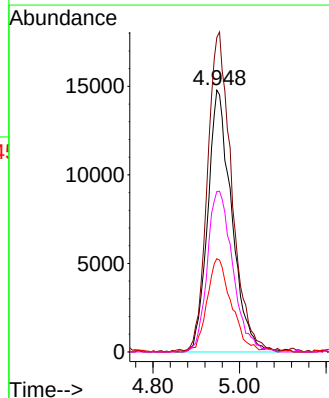
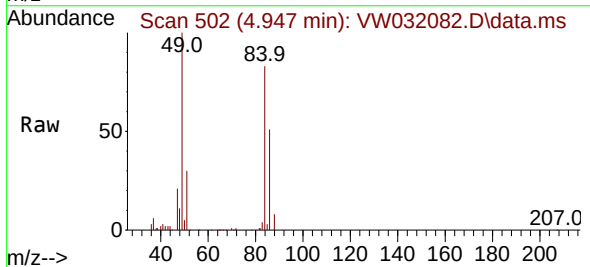
Manual Integrations
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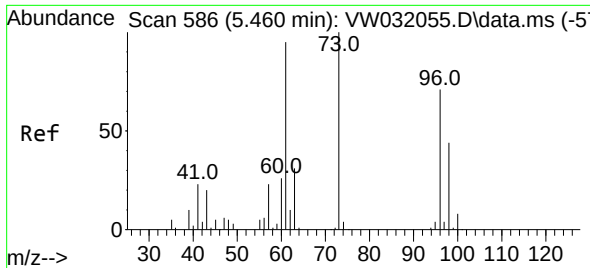
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025



#20
Methylene Chloride
Concen: 17.604 ug/l
RT: 4.947 min Scan# 502
Delta R.T. -0.012 min
Lab File: VW032082.D
Acq: 14 Aug 2025 10:27

Tgt Ion: 84 Resp: 56840
Ion Ratio Lower Upper
84 100
49 119.5 95.9 143.9
51 35.2 28.6 43.0
86 61.3 49.6 74.4





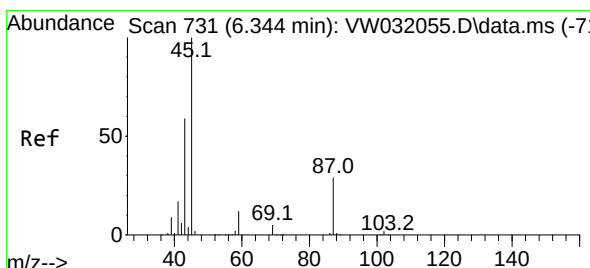
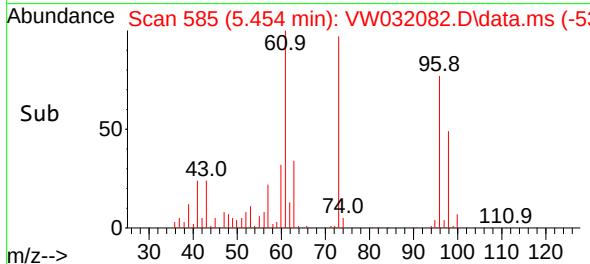
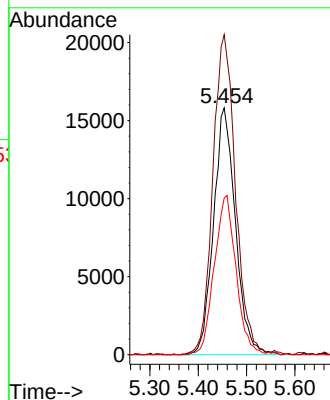
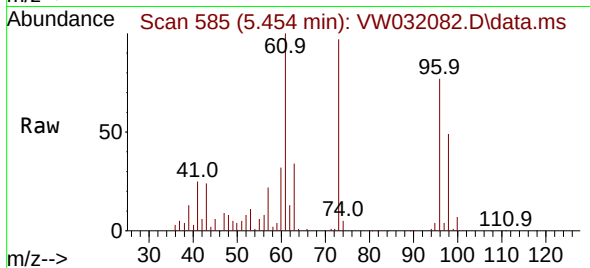
#21
trans-1,2-Dichloroethene
Concen: 18.571 ug/l
RT: 5.454 min Scan# 51
Delta R.T. -0.006 min
Lab File: VW032082.D
Acq: 14 Aug 2025 10:27

Instrument :
MSVOA_W
ClientSampleId :
VW0814SBS01

Tgt Ion: 96 Resp: 4984
Ion Ratio Lower Upper
96 100
61 129.7 106.8 160.2
98 63.5 49.6 74.4

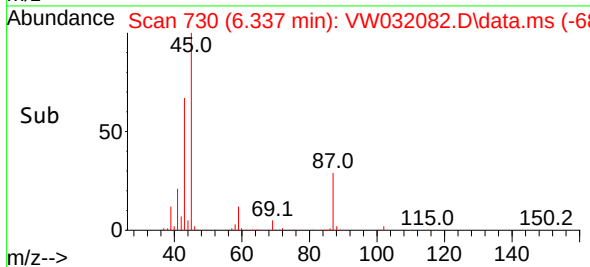
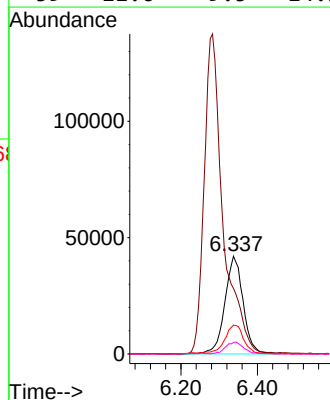
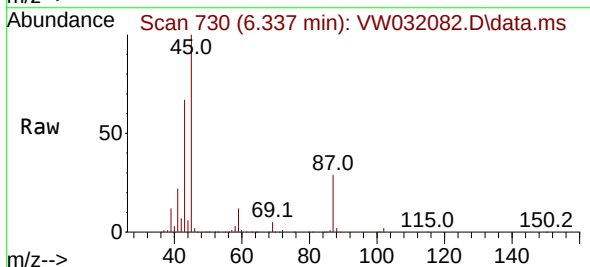
Manual Integrations
APPROVED

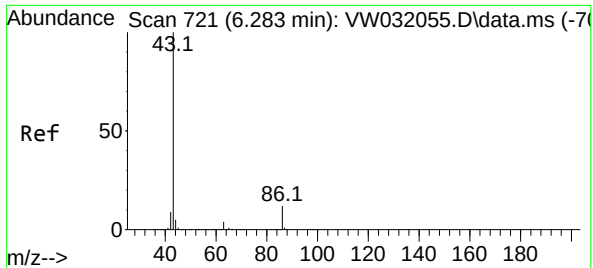
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025



#22
Diisopropyl ether
Concen: 17.925 ug/l
RT: 6.337 min Scan# 730
Delta R.T. -0.006 min
Lab File: VW032082.D
Acq: 14 Aug 2025 10:27

Tgt Ion: 45 Resp: 139100
Ion Ratio Lower Upper
45 100
43 67.2 47.0 70.4
87 29.2 23.8 35.8
59 11.6 9.5 14.3





#23

Vinyl Acetate

Concen: 92.580 ug/l

RT: 6.283 min Scan# 714

Delta R.T. -0.000 min

Lab File: VW032082.D

Acq: 14 Aug 2025 10:27

Instrument :

MSVOA_W

ClientSampleId :

VW0814SBS01

Tgt Ion: 43 Resp: 47168

Ion Ratio Lower Upper

43 100

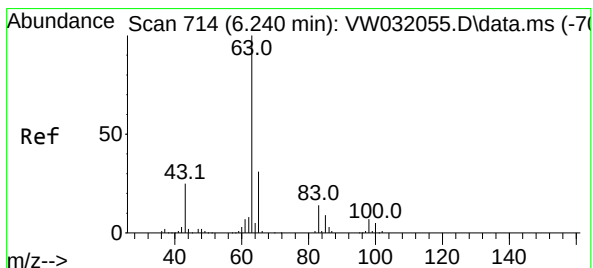
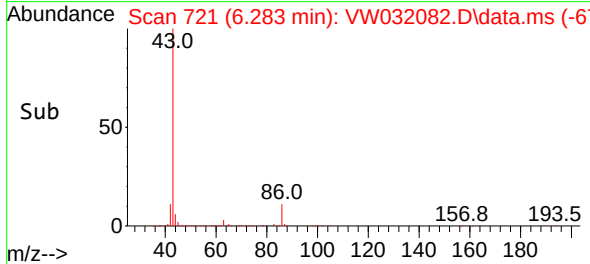
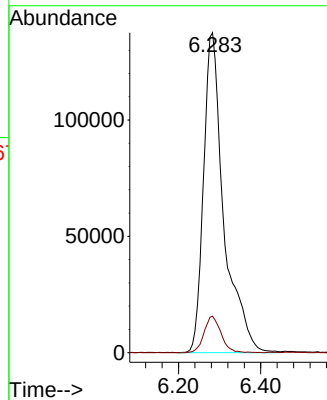
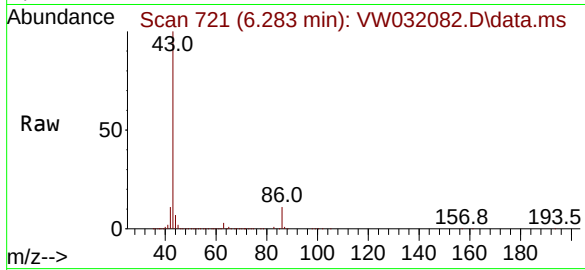
86 11.4 9.4 14.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/19/2025

Supervised By :Mahesh Dadoda 08/19/2025



#24

1,1-Dichloroethane

Concen: 18.168 ug/l

RT: 6.240 min Scan# 714

Delta R.T. -0.000 min

Lab File: VW032082.D

Acq: 14 Aug 2025 10:27

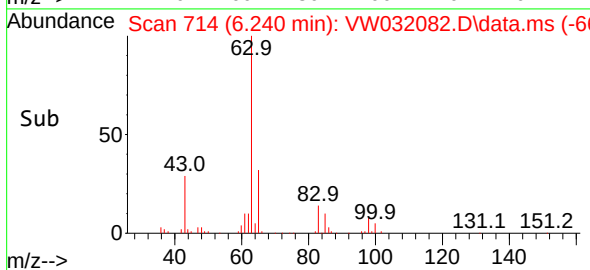
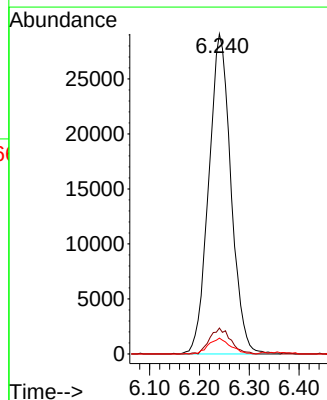
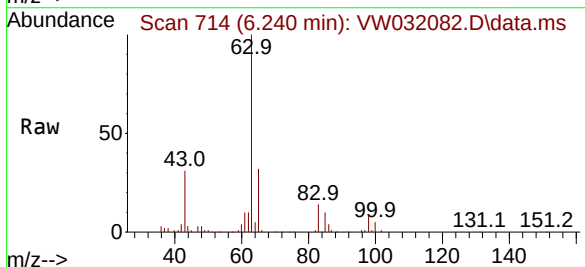
Tgt Ion: 63 Resp: 90076

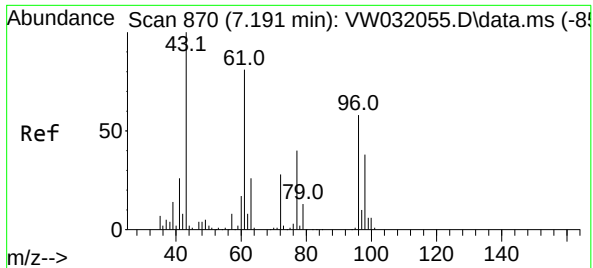
Ion Ratio Lower Upper

63 100

98 8.1 3.7 11.1

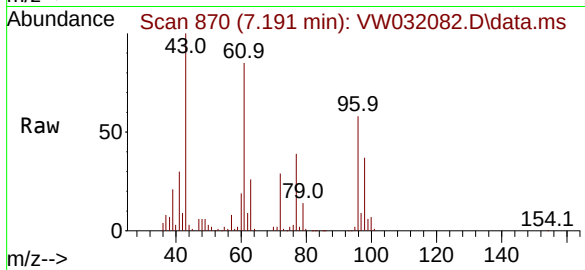
100 4.9 2.5 7.4





#25
2-Butanone
Concen: 95.576 ug/l
RT: 7.191 min Scan# 81
Delta R.T. -0.000 min
Lab File: VW032082.D
Acq: 14 Aug 2025 10:27

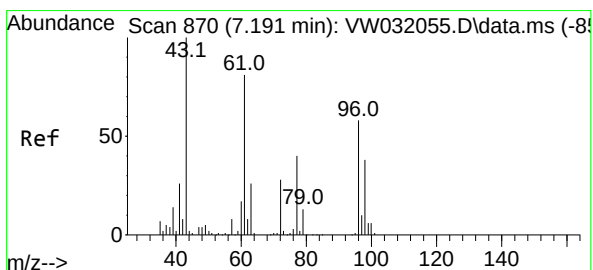
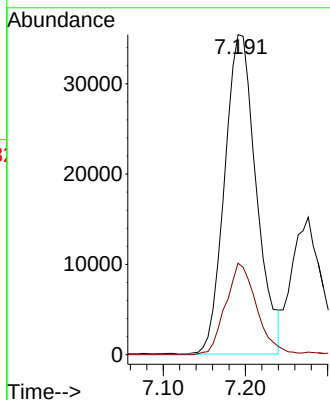
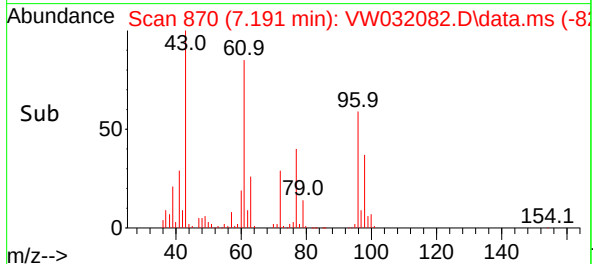
Instrument :
MSVOA_W
ClientSampleId :
VW0814SBS01



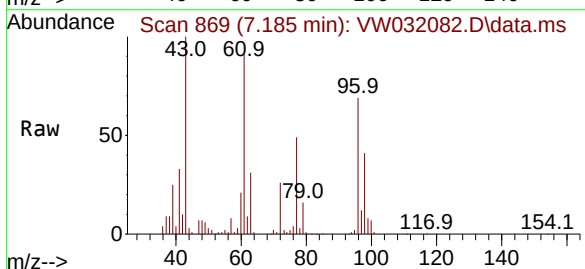
Tgt Ion: 43 Resp: 9485
Ion Ratio Lower Upper
43 100
72 28.6 22.3 33.5

Manual Integrations
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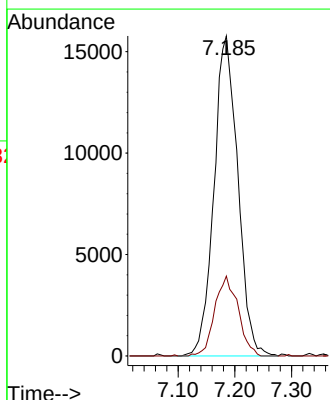
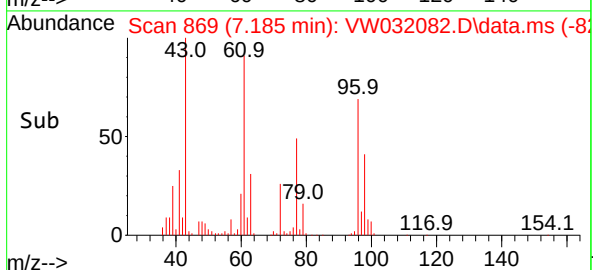
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025

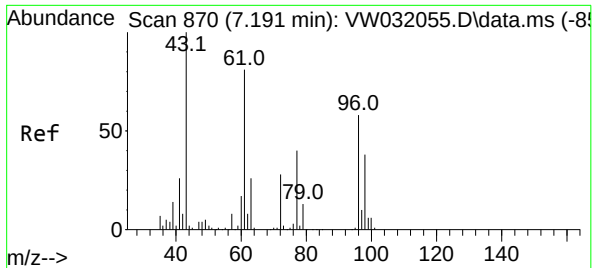


#26
2,2-Dichloropropane
Concen: 18.498 ug/l
RT: 7.185 min Scan# 869
Delta R.T. -0.006 min
Lab File: VW032082.D
Acq: 14 Aug 2025 10:27



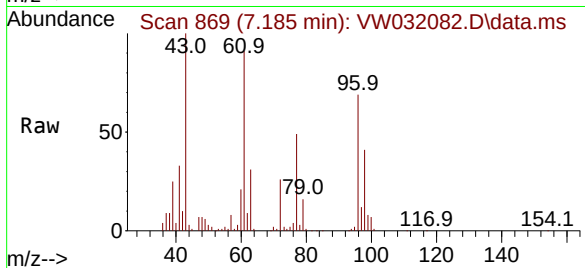
Tgt Ion: 77 Resp: 46011
Ion Ratio Lower Upper
77 100
97 24.5 12.3 36.9





#27
cis-1,2-Dichloroethene
Concen: 18.875 ug/l
RT: 7.185 min Scan# 869
Delta R.T. -0.006 min
Lab File: VW032082.D
Acq: 14 Aug 2025 10:27

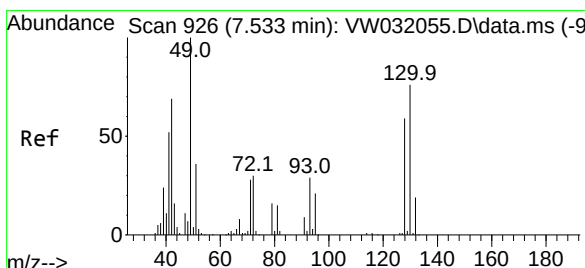
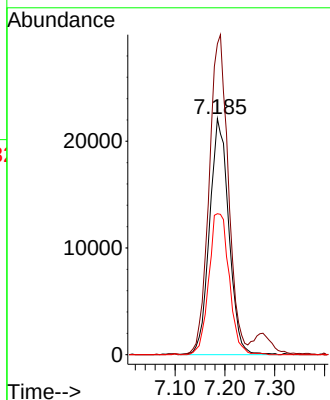
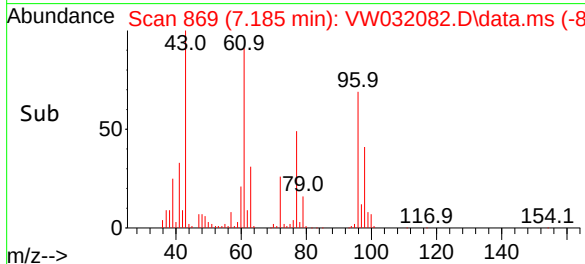
Instrument :
MSVOA_W
ClientSampleId :
VW0814SBS01



Tgt Ion: 96 Resp: 59218
Ion Ratio Lower Upper
96 100
61 135.8 0.0 281.2
98 63.3 0.0 130.8

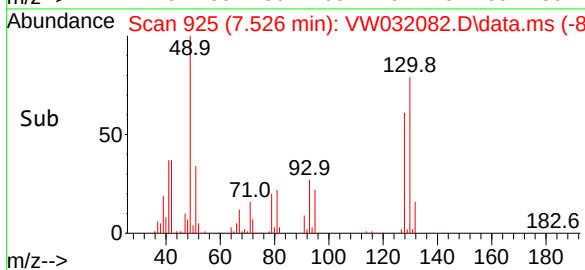
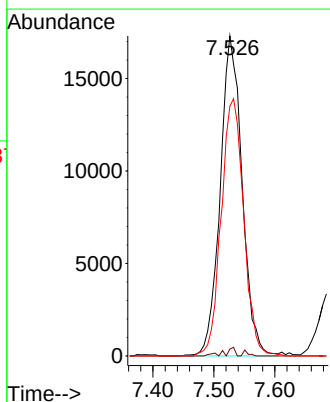
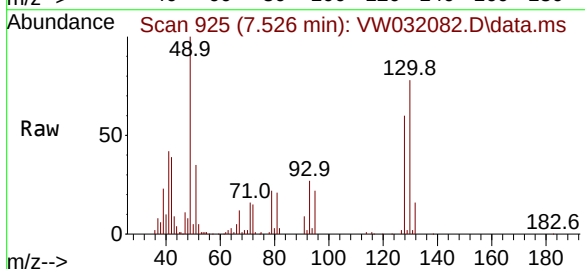
Manual Integrations
APPROVED

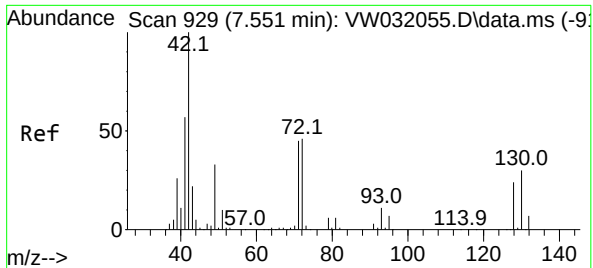
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025



#28
Bromochloromethane
Concen: 19.189 ug/l
RT: 7.526 min Scan# 925
Delta R.T. -0.006 min
Lab File: VW032082.D
Acq: 14 Aug 2025 10:27

Tgt Ion: 49 Resp: 43295
Ion Ratio Lower Upper
49 100
129 1.0 0.0 4.2
130 82.3 61.9 92.9





#29

Tetrahydrofuran

Concen: 87.753 ug/l

RT: 7.551 min Scan# 91

Delta R.T. -0.000 min

Lab File: VW032082.D

Acq: 14 Aug 2025 10:27

Instrument :

MSVOA_W

ClientSampleId :

VW0814SBS01

Tgt Ion: 42 Resp: 57438

Ion Ratio Lower Upper

42 100

72 47.1 36.6 55.0

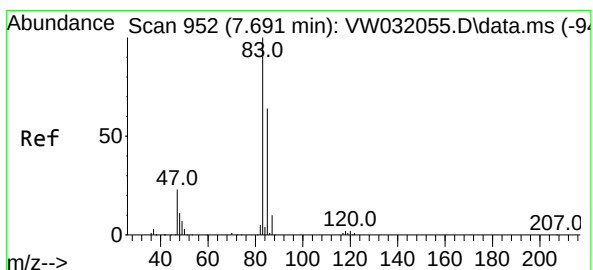
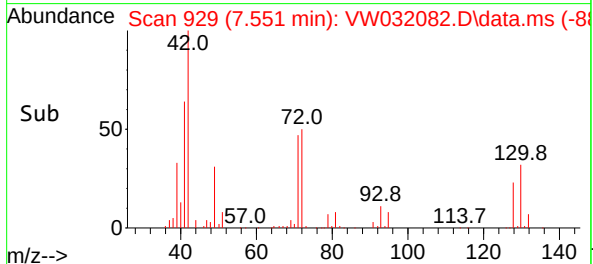
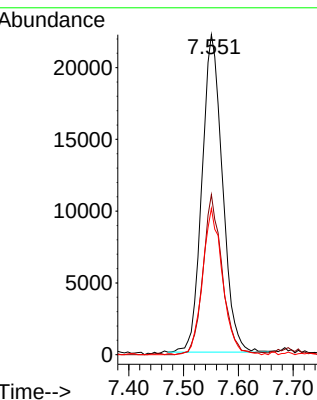
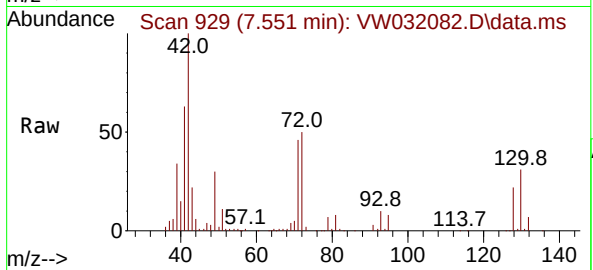
71 44.8 34.7 52.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/19/2025

Supervised By :Mahesh Dadoda 08/19/2025



#30

Chloroform

Concen: 19.583 ug/l

RT: 7.691 min Scan# 952

Delta R.T. -0.000 min

Lab File: VW032082.D

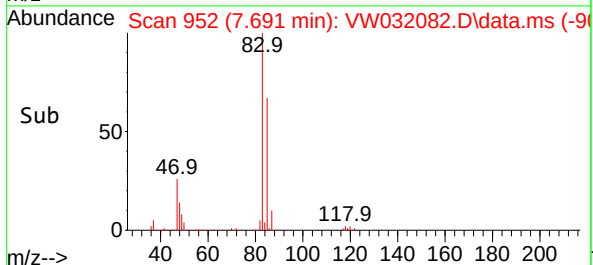
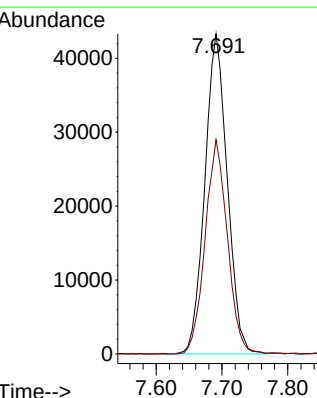
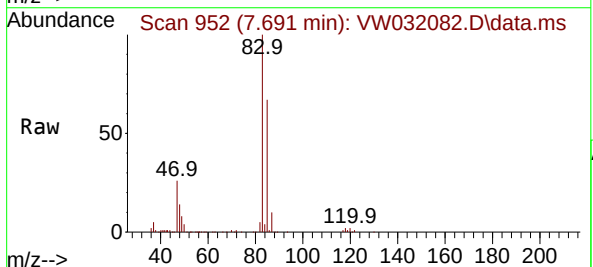
Acq: 14 Aug 2025 10:27

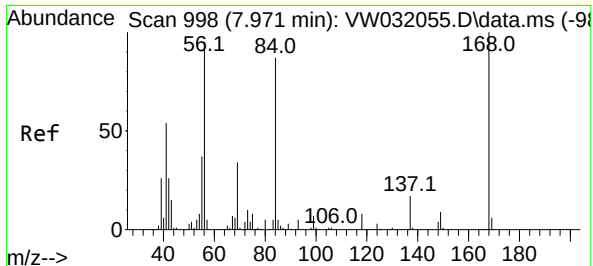
Tgt Ion: 83 Resp: 102932

Ion Ratio Lower Upper

83 100

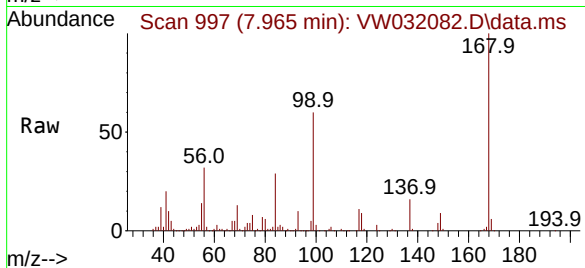
85 66.9 51.0 76.4





#31
Cyclohexane
Concen: 17.286 ug/l
RT: 7.965 min Scan# 998
Delta R.T. -0.006 min
Lab File: VW032082.D
Acq: 14 Aug 2025 10:27

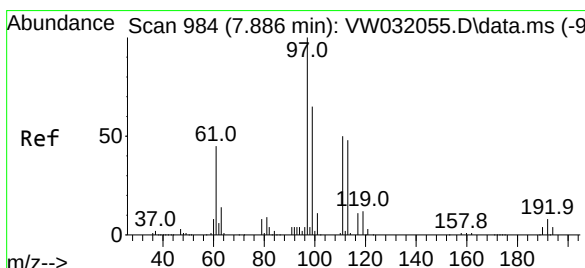
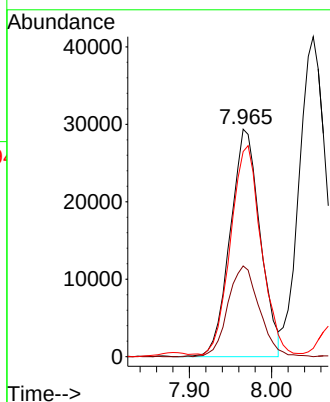
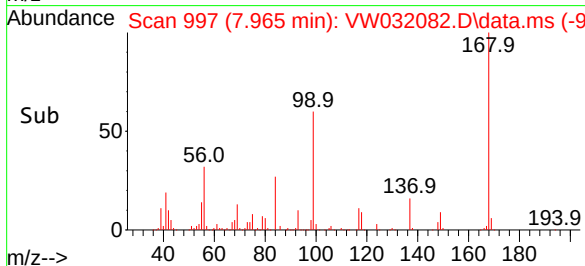
Instrument :
MSVOA_W
ClientSampleId :
VW0814SBS01



Tgt Ion: 56 Resp: 7430
Ion Ratio Lower Upper
56 100
69 39.5 28.6 42.8
84 88.3 73.0 109.4

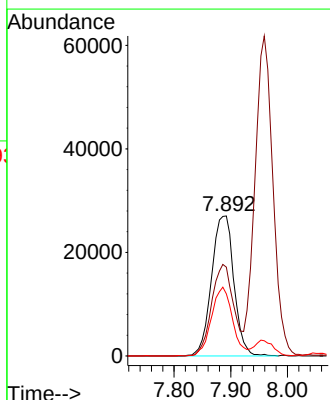
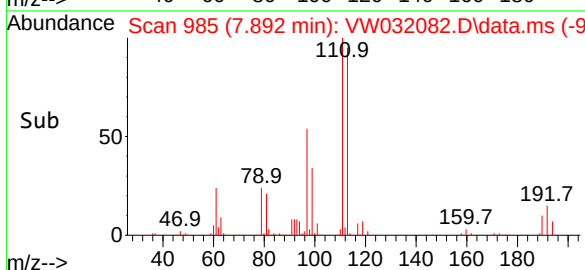
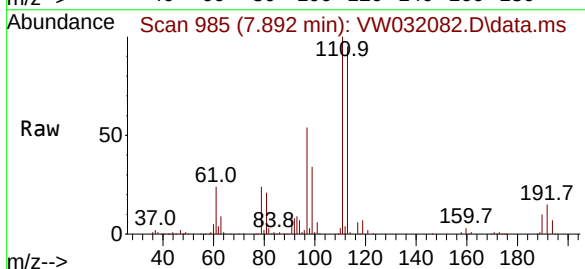
Manual Integrations
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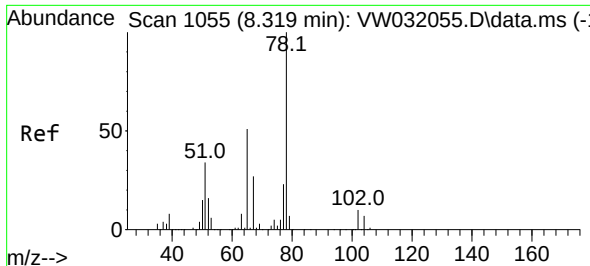
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025



#32
1,1,1-Trichloroethane
Concen: 19.399 ug/l
RT: 7.892 min Scan# 985
Delta R.T. 0.006 min
Lab File: VW032082.D
Acq: 14 Aug 2025 10:27

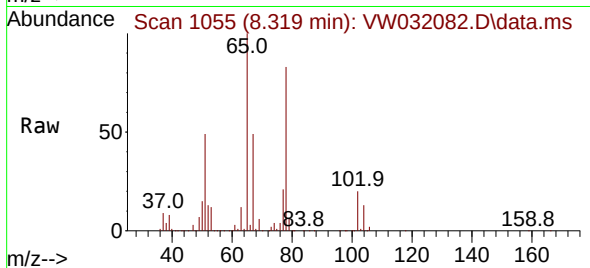
Tgt Ion: 97 Resp: 74063
Ion Ratio Lower Upper
97 100
99 65.2 51.8 77.8
61 46.3 35.9 53.9





#33
1,2-Dichloroethane-d4
Concen: 49.159 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VW032082.D
Acq: 14 Aug 2025 10:27

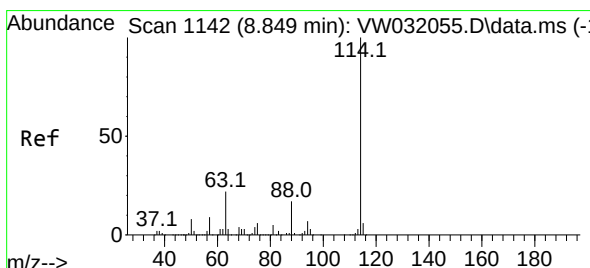
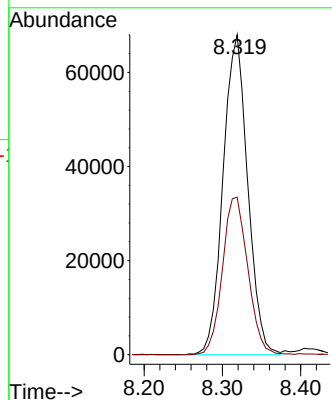
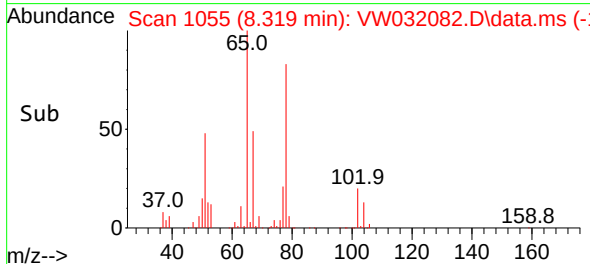
Instrument :
MSVOA_W
ClientSampleId :
VW0814SBS01



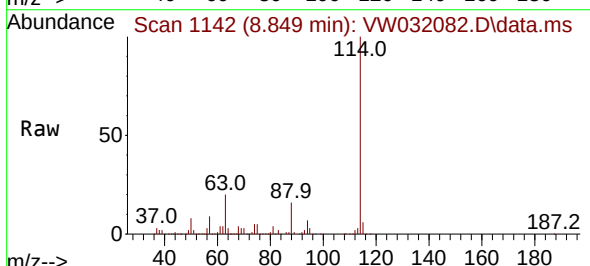
Tgt Ion: 65 Resp: 148274
Ion Ratio Lower Upper
65 100
67 51.0 0.0 102.4

Manual Integrations
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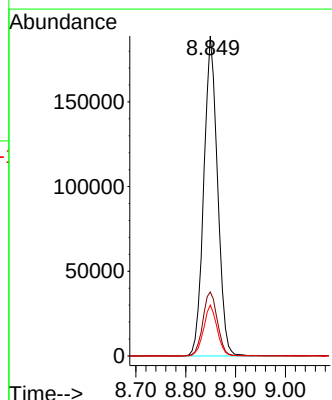
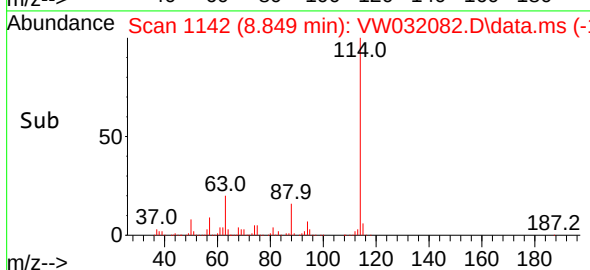
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025

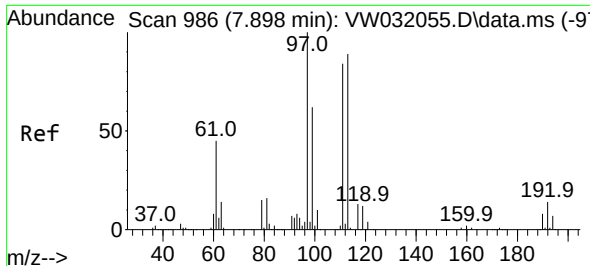


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 1142
Delta R.T. -0.000 min
Lab File: VW032082.D
Acq: 14 Aug 2025 10:27



Tgt Ion:114 Resp: 361028
Ion Ratio Lower Upper
114 100
63 20.0 0.0 43.0
88 15.9 0.0 33.8





#35

Dibromofluoromethane

Concen: 53.409 ug/l

RT: 7.898 min Scan# 9

Delta R.T. -0.000 min

Lab File: VW032082.D

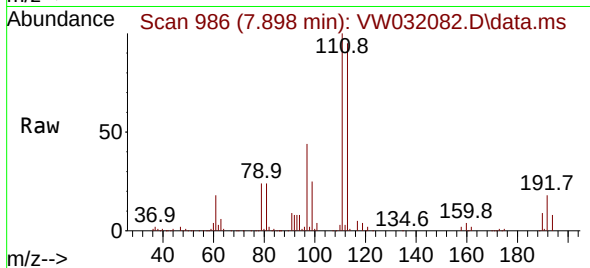
Acq: 14 Aug 2025 10:27

Instrument :

MSVOA_W

ClientSampleId :

VW0814SBS01



Tgt Ion: 113 Resp: 124570

Ion Ratio Lower Upper

113 100

111 103.0 80.1 120.1

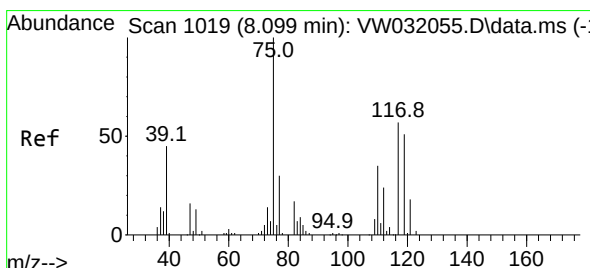
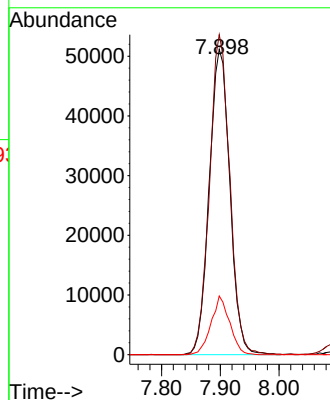
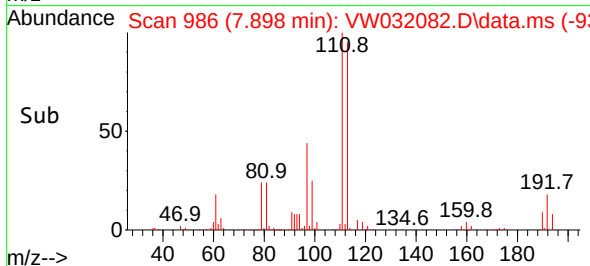
192 17.4 13.1 19.7

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 08/19/2025

Supervised By :Mahesh Dadoda 08/19/2025



#36

1,1-Dichloropropene

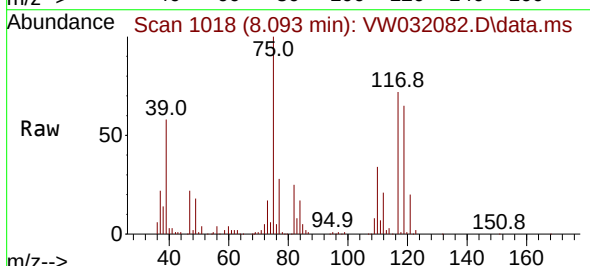
Concen: 20.499 ug/l

RT: 8.093 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VW032082.D

Acq: 14 Aug 2025 10:27



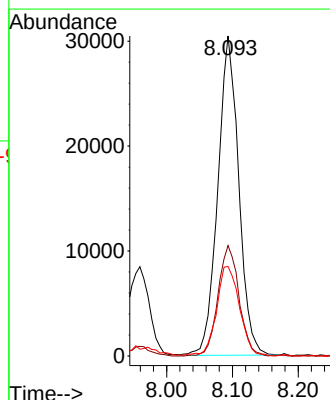
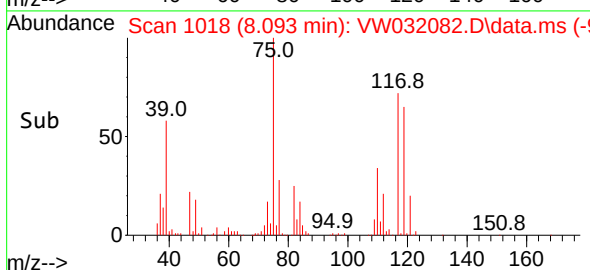
Tgt Ion: 75 Resp: 67400

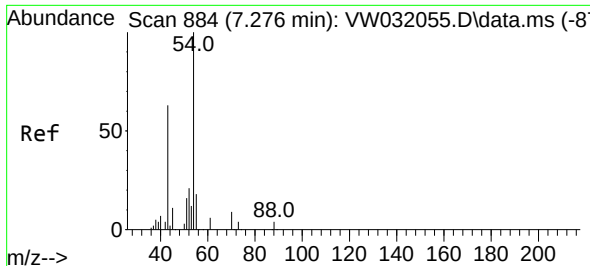
Ion Ratio Lower Upper

75 100

110 34.8 17.4 52.2

77 30.7 24.7 37.1





#37

Ethyl Acetate

Concen: 20.438 ug/l

RT: 7.276 min Scan# 884

Delta R.T. -0.000 min

Lab File: VW032082.D

Acq: 14 Aug 2025 10:27

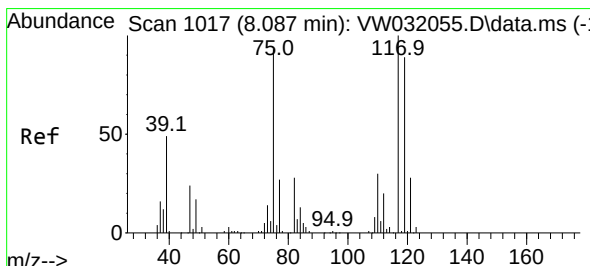
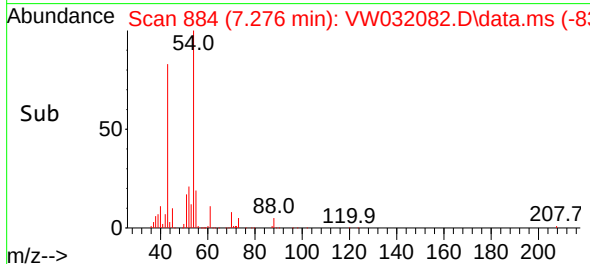
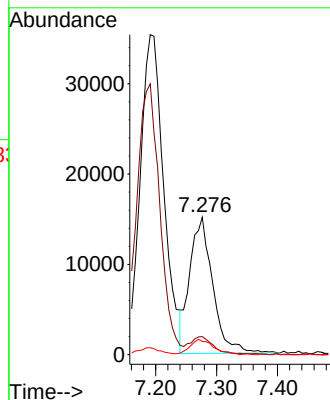
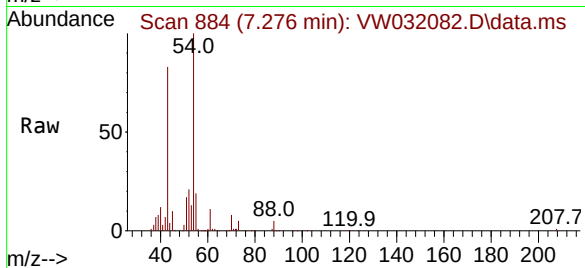
Instrument :

MSVOA_W

ClientSampleId :

VW0814SBS01

Tgt Ion:	43	Resp:	39578
Ion	Ratio	Lower	Upper
43	100		
61	12.6	11.8	17.6
70	11.3	9.4	14.0

Manual Integrations
APPROVEDReviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025

#38

Carbon Tetrachloride

Concen: 22.097 ug/l

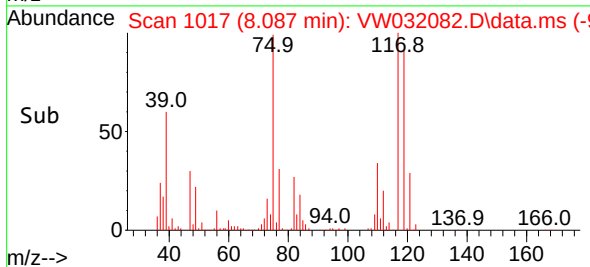
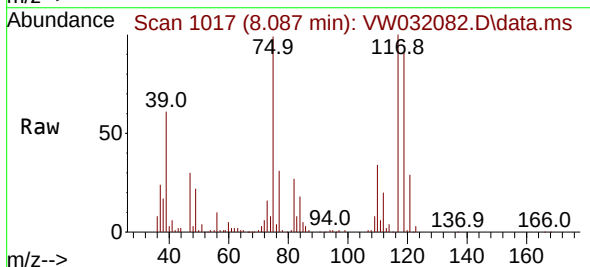
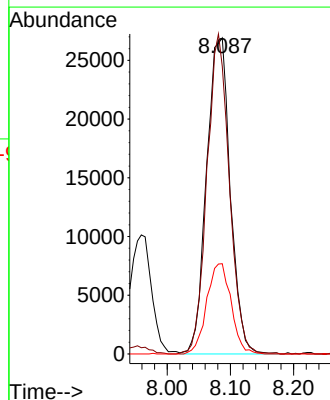
RT: 8.087 min Scan# 1017

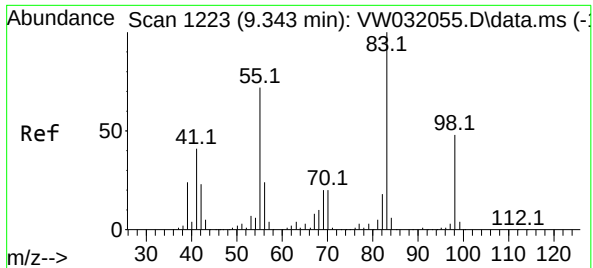
Delta R.T. -0.000 min

Lab File: VW032082.D

Acq: 14 Aug 2025 10:27

Tgt Ion:	117	Resp:	70115
Ion	Ratio	Lower	Upper
117	100		
119	91.0	71.4	107.2
121	28.5	22.3	33.5





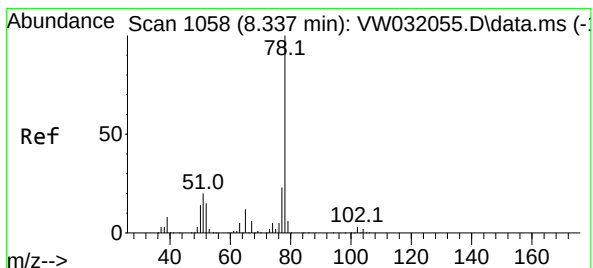
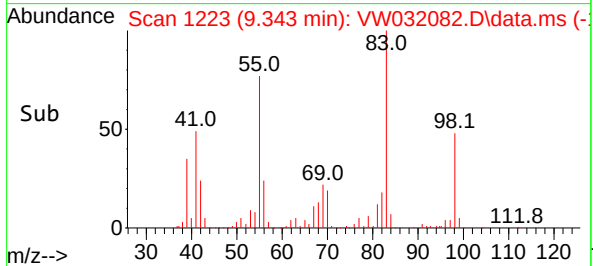
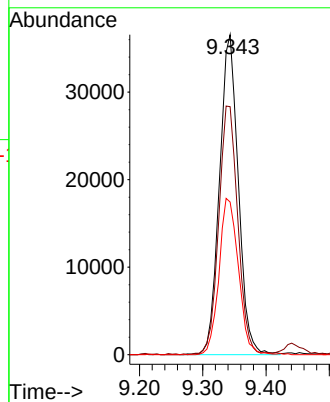
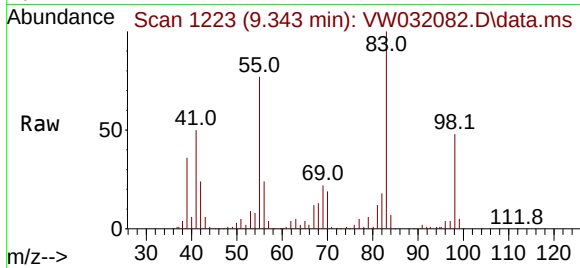
#39
Methylcyclohexane
Concen: 18.806 ug/l
RT: 9.343 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW032082.D
Acq: 14 Aug 2025 10:27

Instrument :
MSVOA_W
ClientSampleId :
VW0814SBS01

Tgt Ion: 83 Resp: 75369
Ion Ratio Lower Upper
83 100
55 77.5 57.9 86.9
98 47.7 38.3 57.5

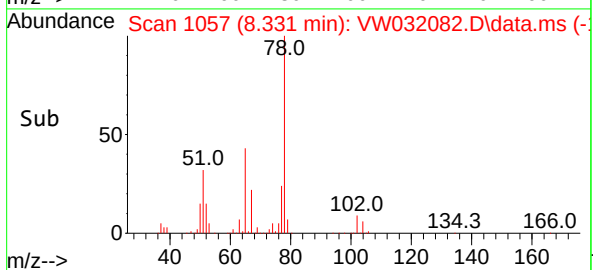
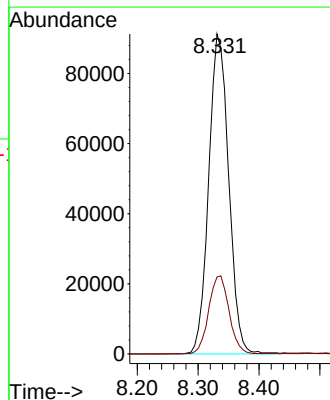
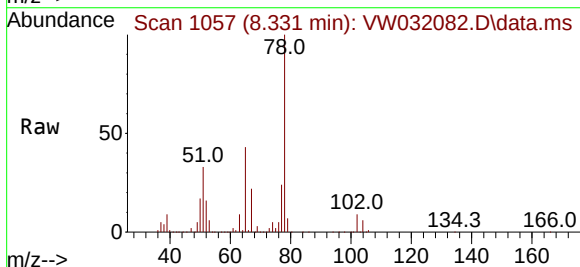
Manual Integrations
APPROVED

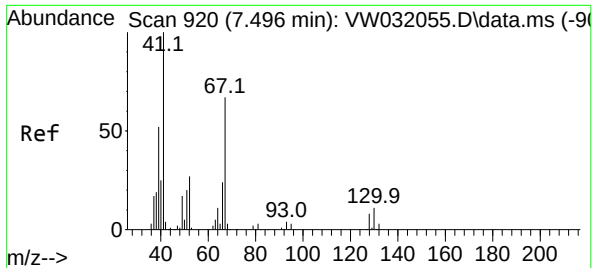
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025



#40
Benzene
Concen: 20.384 ug/l
RT: 8.331 min Scan# 1057
Delta R.T. -0.006 min
Lab File: VW032082.D
Acq: 14 Aug 2025 10:27

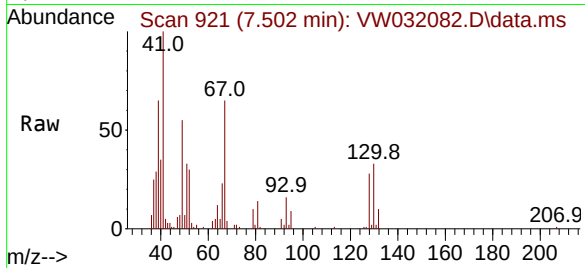
Tgt Ion: 78 Resp: 208337
Ion Ratio Lower Upper
78 100
77 24.0 18.4 27.6





#41
Methacrylonitrile
Concen: 18.749 ug/l
RT: 7.502 min Scan# 91
Delta R.T. 0.006 min
Lab File: VW032082.D
Acq: 14 Aug 2025 10:27

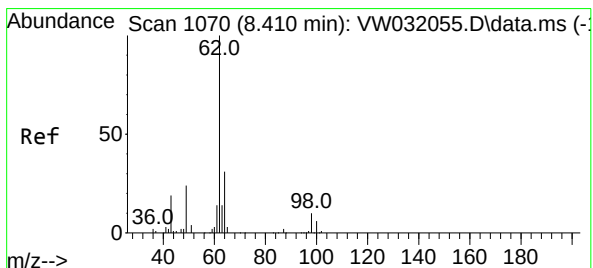
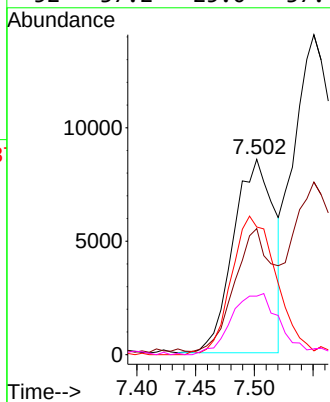
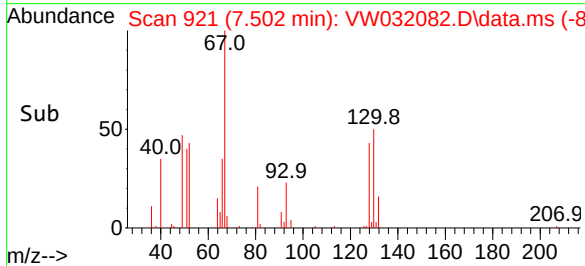
Instrument :
MSVOA_W
ClientSampleId :
VW0814SBS01



Tgt Ion: 41 Resp: 20590
Ion Ratio Lower Upper
41 100
39 59.7 42.6 63.8
67 80.9 61.0 91.4
52 37.2 25.0 37.4

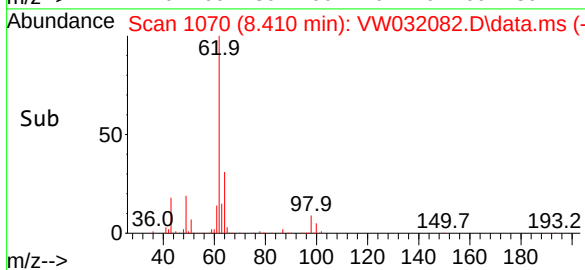
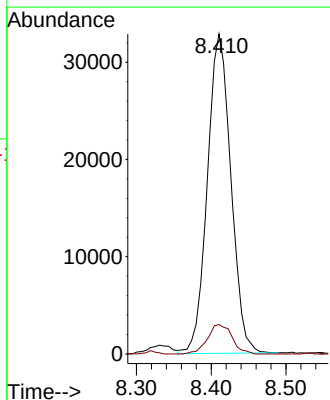
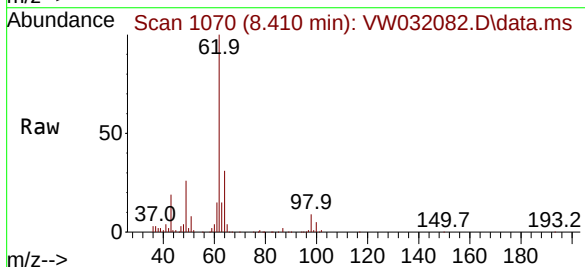
Manual Integrations
APPROVED

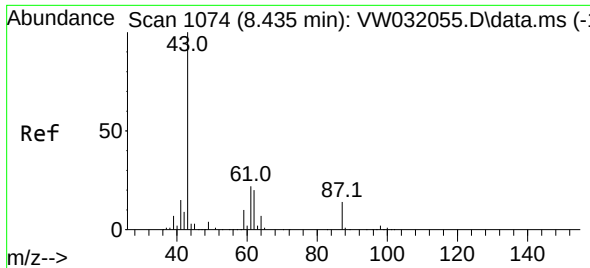
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025



#42
1,2-Dichloroethane
Concen: 21.951 ug/l
RT: 8.410 min Scan# 1070
Delta R.T. -0.000 min
Lab File: VW032082.D
Acq: 14 Aug 2025 10:27

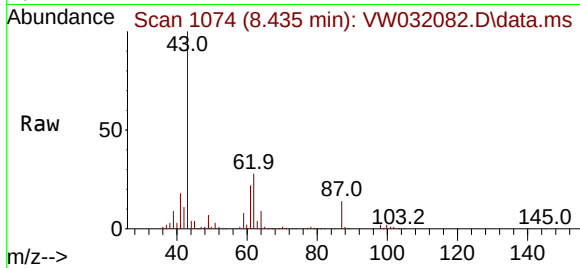
Tgt Ion: 62 Resp: 71790
Ion Ratio Lower Upper
62 100
98 9.6 0.0 19.8





#43
Isopropyl Acetate
Concen: 19.605 ug/l
RT: 8.435 min Scan# 1074
Delta R.T. -0.000 min
Lab File: VW032082.D
Acq: 14 Aug 2025 10:27

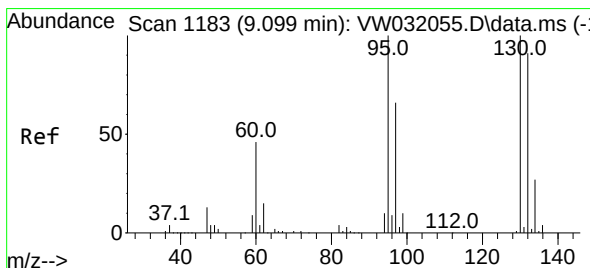
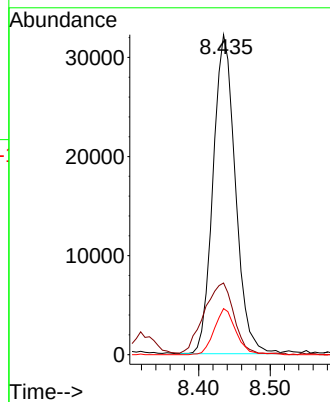
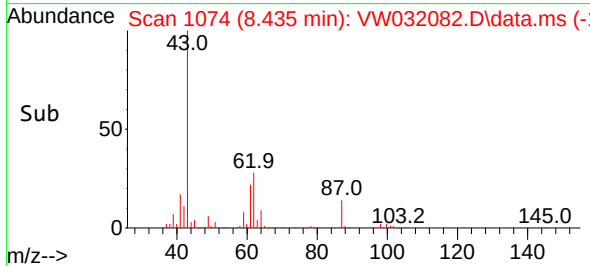
Instrument :
MSVOA_W
ClientSampleId :
VW0814SBS01



Tgt Ion: 43 Resp: 69849
Ion Ratio Lower Upper
43 100
61 29.4 23.8 35.8
87 14.1 11.7 17.5

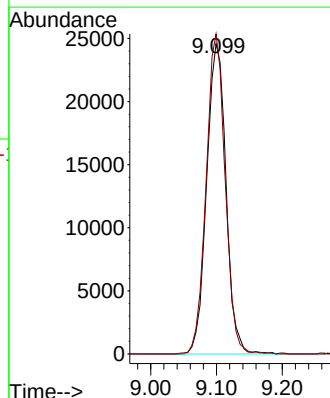
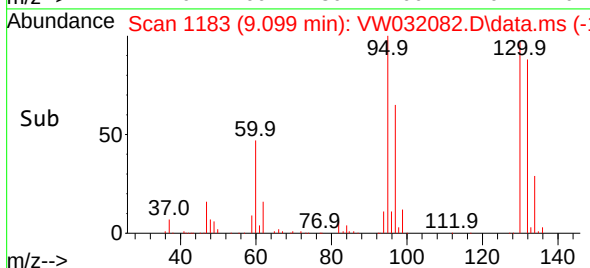
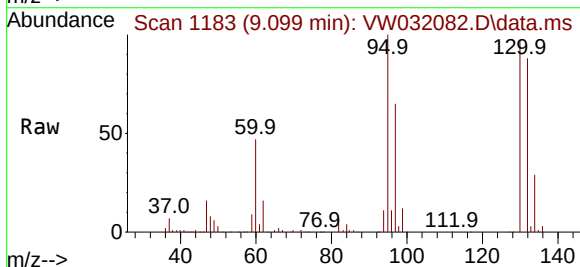
Manual Integrations
APPROVED

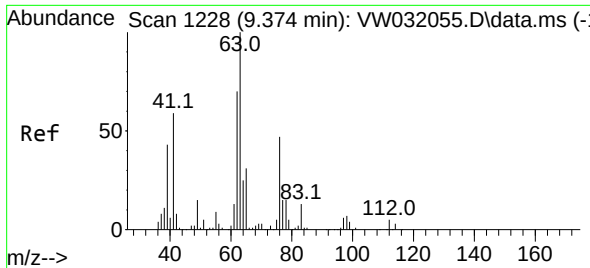
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025



#44
Trichloroethene
Concen: 20.648 ug/l
RT: 9.099 min Scan# 1183
Delta R.T. -0.000 min
Lab File: VW032082.D
Acq: 14 Aug 2025 10:27

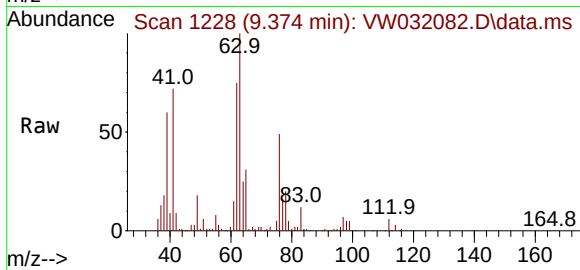
Tgt Ion:130 Resp: 50257
Ion Ratio Lower Upper
130 100
95 102.9 0.0 200.6





#45
1,2-Dichloropropane
Concen: 19.794 ug/l
RT: 9.374 min Scan# 1228
Delta R.T. -0.000 min
Lab File: VW032082.D
Acq: 14 Aug 2025 10:27

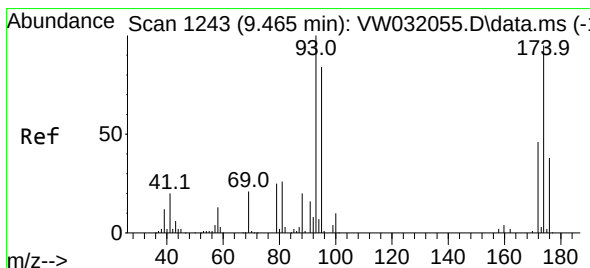
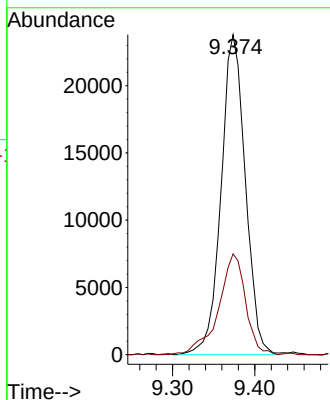
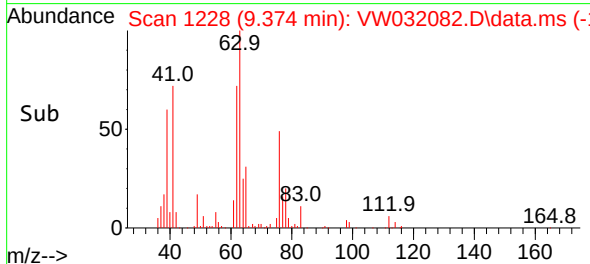
Instrument :
MSVOA_W
ClientSampleId :
VW0814SBS01



Tgt Ion: 63 Resp: 48874
Ion Ratio Lower Upper
63 100
65 31.5 24.6 36.8

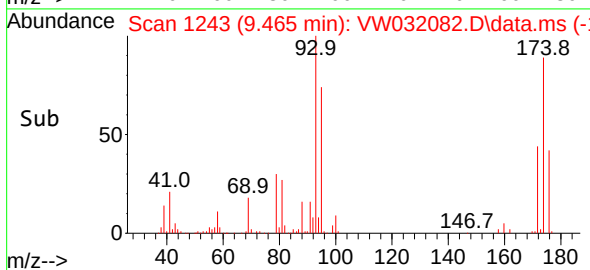
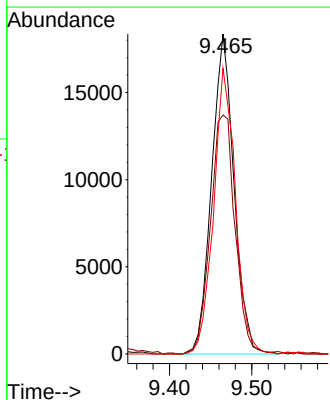
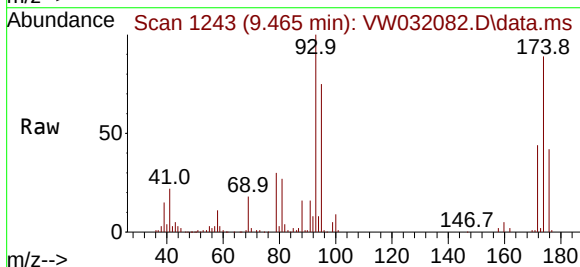
Manual Integrations
APPROVED

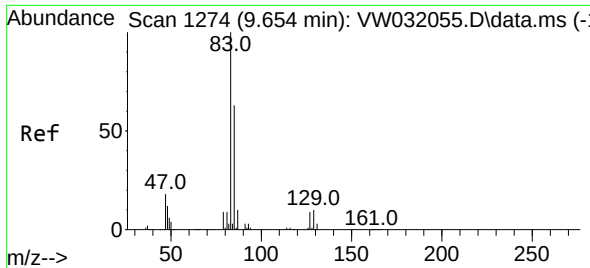
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025



#46
Dibromomethane
Concen: 21.800 ug/l
RT: 9.465 min Scan# 1243
Delta R.T. -0.000 min
Lab File: VW032082.D
Acq: 14 Aug 2025 10:27

Tgt Ion: 93 Resp: 34741
Ion Ratio Lower Upper
93 100
95 82.2 65.3 97.9
174 87.0 68.6 102.8





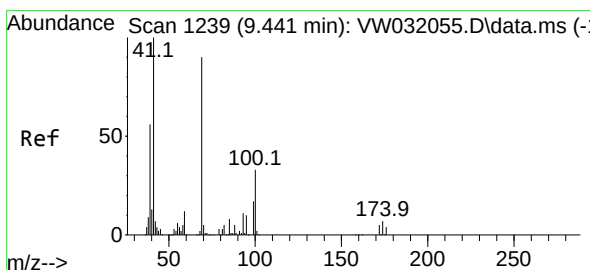
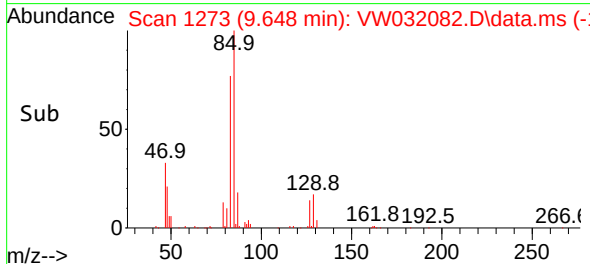
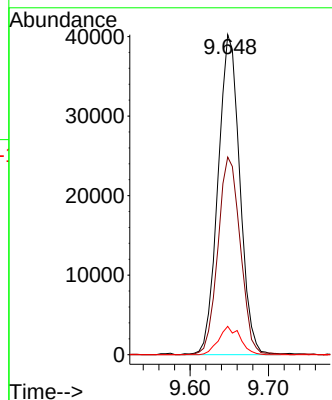
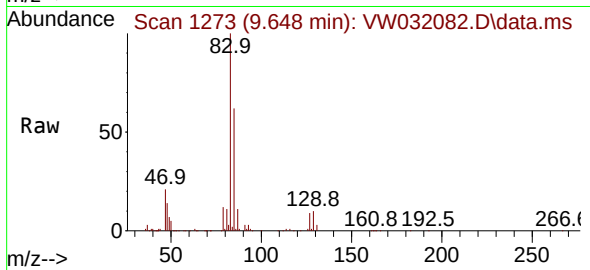
#47
Bromodichloromethane
Concen: 21.199 ug/l
RT: 9.648 min Scan# 1273
Delta R.T. -0.006 min
Lab File: VW032082.D
Acq: 14 Aug 2025 10:27

Instrument :
MSVOA_W
ClientSampleId :
VW0814SBS01

Tgt Ion: 83 Resp: 77840
Ion Ratio Lower Upper
83 100
85 61.7 50.6 75.8
127 8.8 6.9 10.3

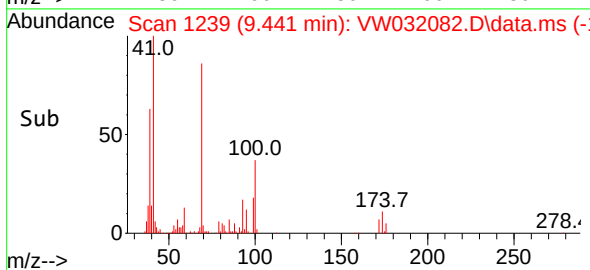
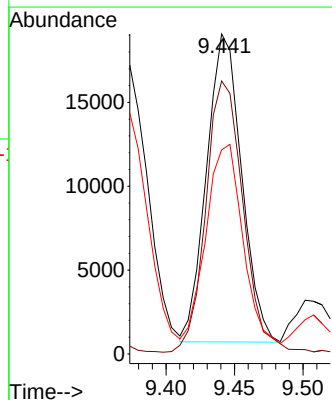
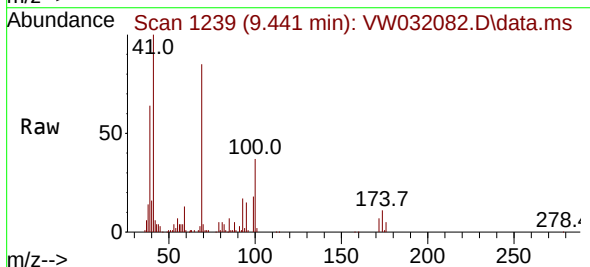
Manual Integrations
APPROVED

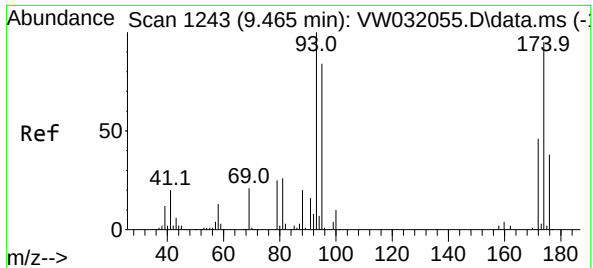
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025



#48
Methyl methacrylate
Concen: 18.991 ug/l
RT: 9.441 min Scan# 1239
Delta R.T. -0.000 min
Lab File: VW032082.D
Acq: 14 Aug 2025 10:27

Tgt Ion: 41 Resp: 32666
Ion Ratio Lower Upper
41 100
69 94.2 73.0 109.6
39 67.6 45.0 67.4#





#49

1,4-Dioxane

Concen: 383.262 ug/l

RT: 9.459 min Scan# 1242

Delta R.T. -0.006 min

Lab File: VW032082.D

Acq: 14 Aug 2025 10:27

Instrument :

MSVOA_W

ClientSampleId :

VW0814SBS01

Tgt Ion: 88 Resp: 789

Ion Ratio Lower Upper

88 100

43 0.0 20.6 30.8

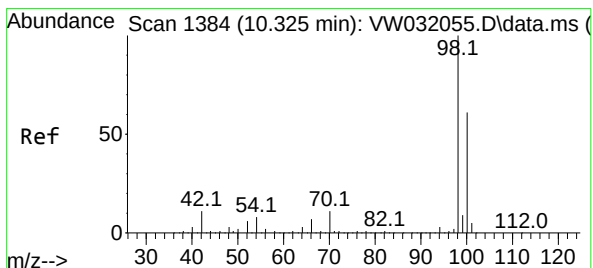
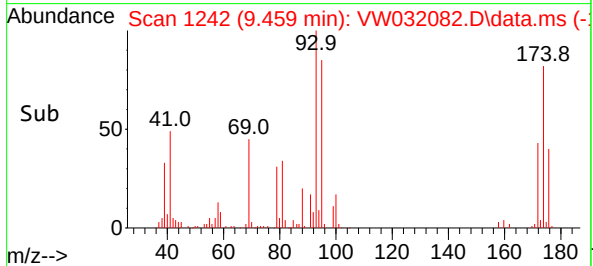
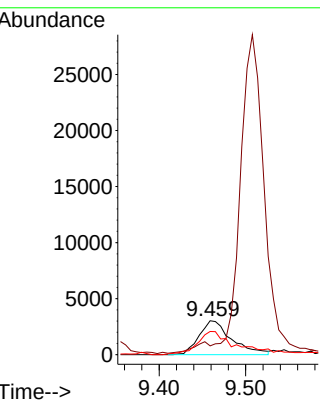
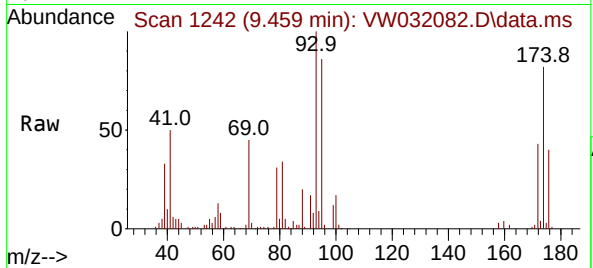
58 84.4 60.4 90.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/19/2025

Supervised By :Mahesh Dadoda 08/19/2025



#50

Toluene-d8

Concen: 51.843 ug/l

RT: 10.325 min Scan# 1384

Delta R.T. -0.000 min

Lab File: VW032082.D

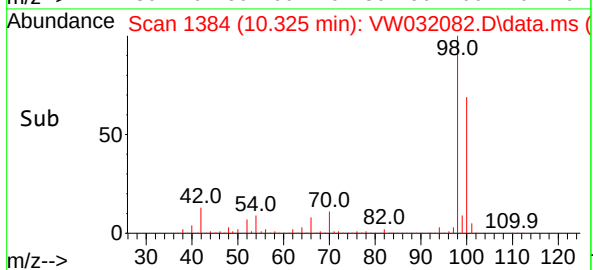
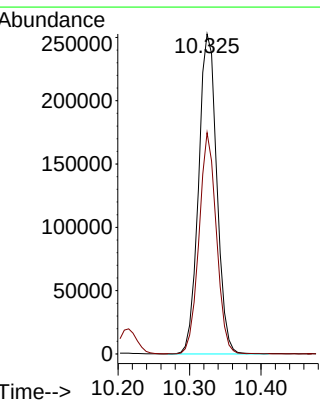
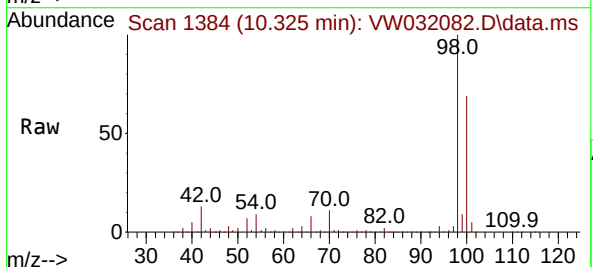
Acq: 14 Aug 2025 10:27

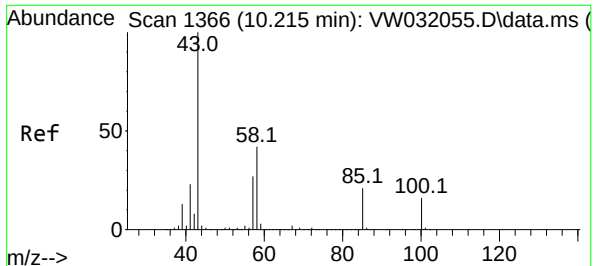
Tgt Ion: 98 Resp: 447242

Ion Ratio Lower Upper

98 100

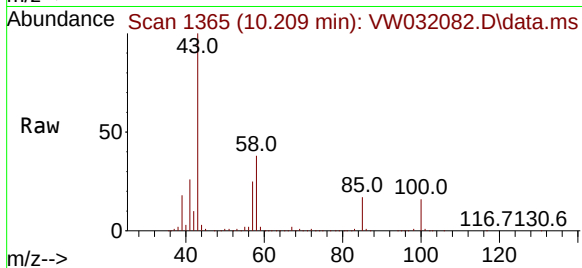
100 65.8 51.1 76.7





#51
4-Methyl-2-Pentanone
Concen: 103.043 ug/l
RT: 10.209 min Scan# 1365
Delta R.T. -0.006 min
Lab File: VW032082.D
Acq: 14 Aug 2025 10:27

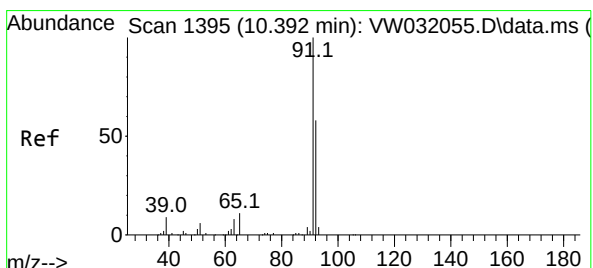
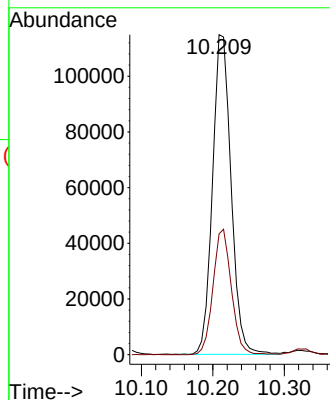
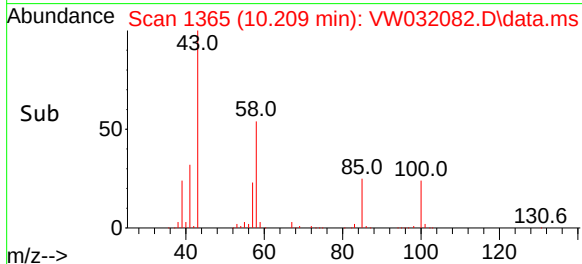
Instrument :
MSVOA_W
ClientSampleId :
VW0814SBS01



Tgt Ion: 43 Resp: 207218
Ion Ratio Lower Upper
43 100
58 38.8 33.1 49.7

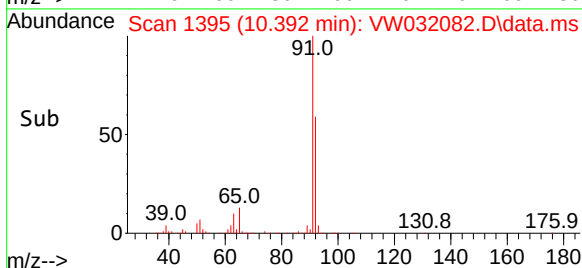
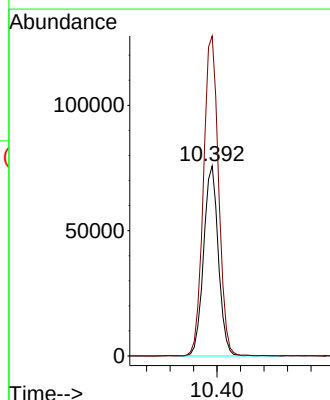
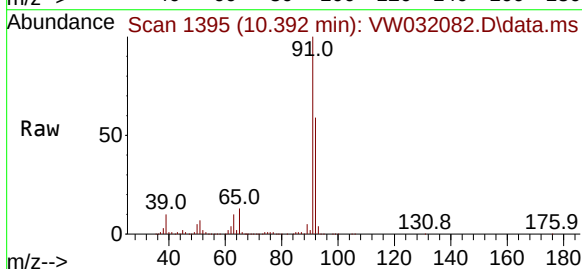
Manual Integrations
APPROVED

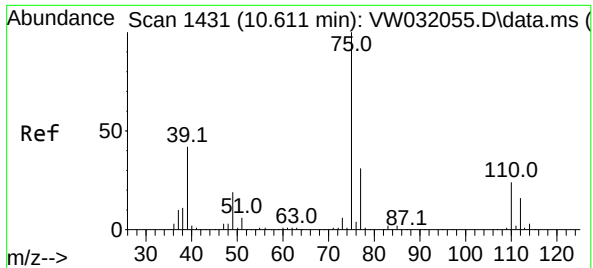
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025



#52
Toluene
Concen: 20.554 ug/l
RT: 10.392 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VW032082.D
Acq: 14 Aug 2025 10:27

Tgt Ion: 92 Resp: 132319
Ion Ratio Lower Upper
92 100
91 172.3 136.3 204.5





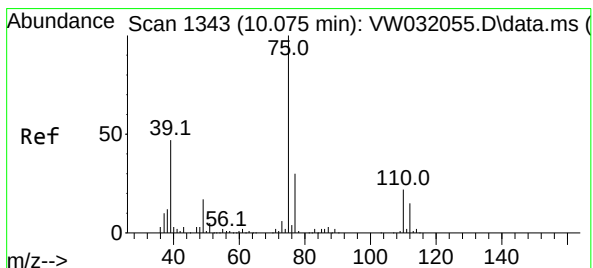
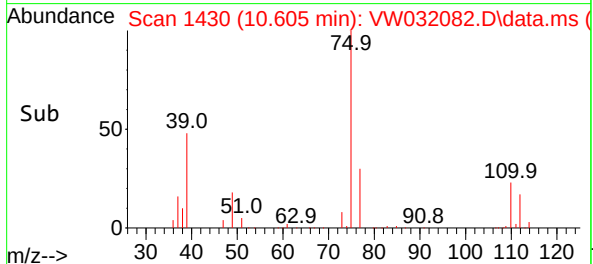
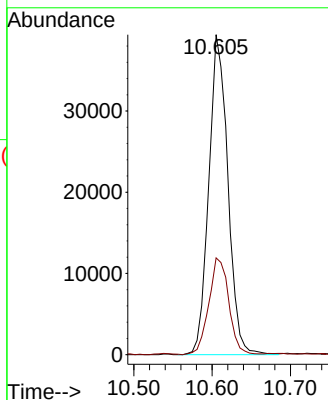
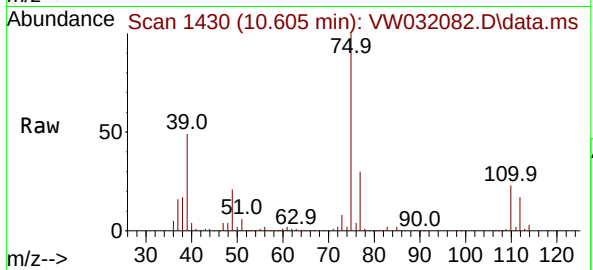
#53
t-1,3-Dichloropropene
Concen: 19.346 ug/l
RT: 10.605 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VW032082.D
Acq: 14 Aug 2025 10:27

Instrument :
MSVOA_W
ClientSampleId :
VW0814SBS01

Tgt Ion: 75 Resp: 6655
Ion Ratio Lower Upper
75 100
77 30.1 25.0 37.6

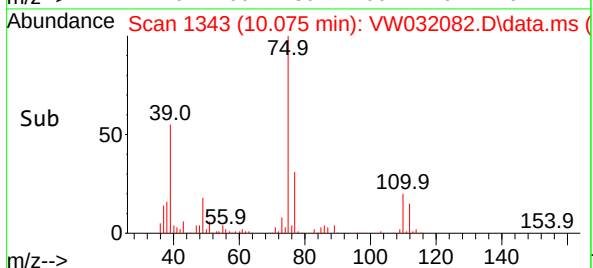
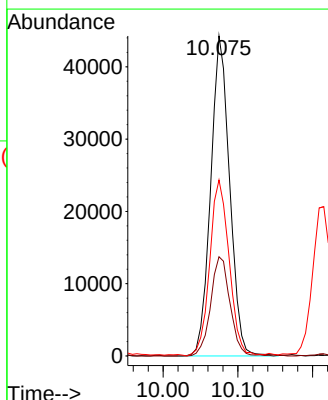
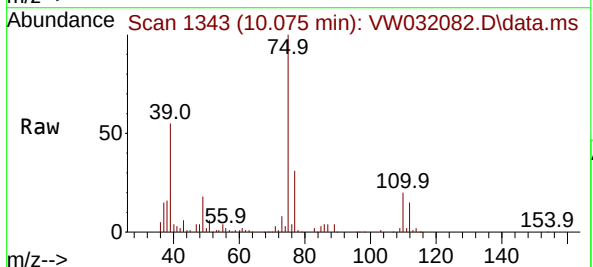
Manual Integrations
APPROVED

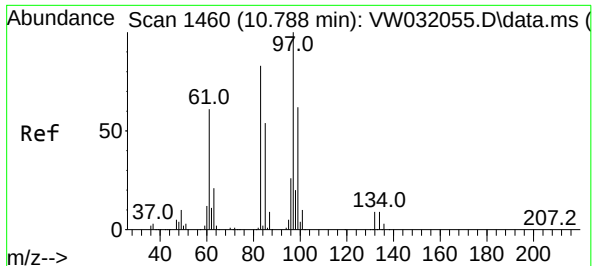
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025



#54
cis-1,3-Dichloropropene
Concen: 19.970 ug/l
RT: 10.075 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VW032082.D
Acq: 14 Aug 2025 10:27

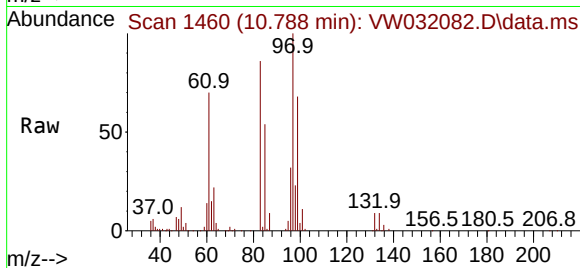
Tgt Ion: 75 Resp: 77941
Ion Ratio Lower Upper
75 100
77 31.0 24.0 36.0
39 54.7 37.8 56.8





#55
1,1,2-Trichloroethane
Concen: 20.705 ug/l
RT: 10.788 min Scan# 1460
Delta R.T. -0.000 min
Lab File: VW032082.D
Acq: 14 Aug 2025 10:27

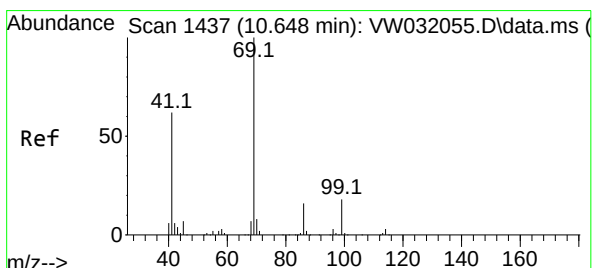
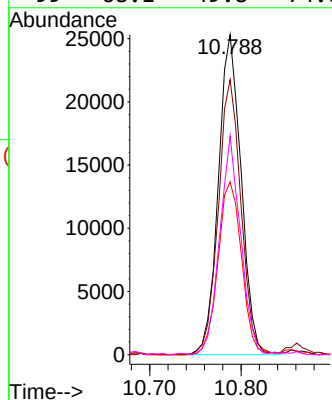
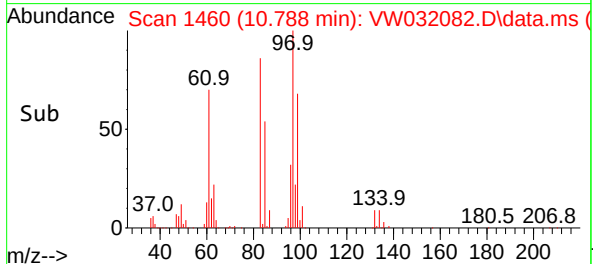
Instrument :
MSVOA_W
ClientSampleId :
VW0814SBS01



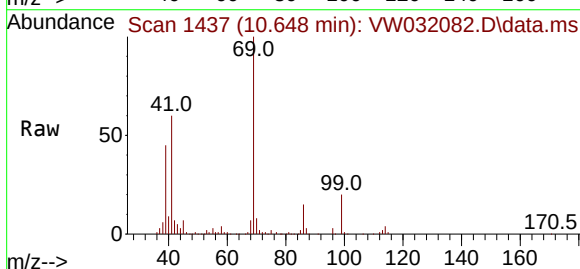
Tgt Ion	Ratio	Lower	Upper
97	100		
83	85.9	66.4	99.6
85	54.0	43.1	64.7
99	68.1	49.8	74.6

Manual Integrations
APPROVED

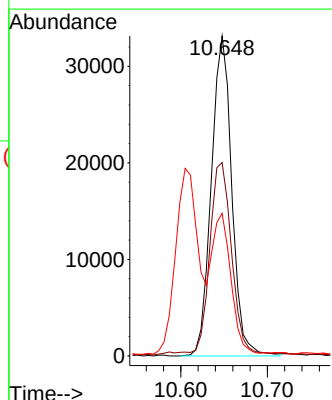
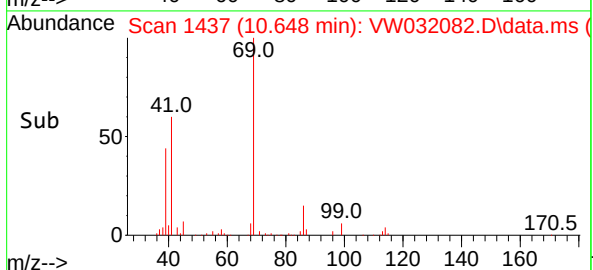
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025

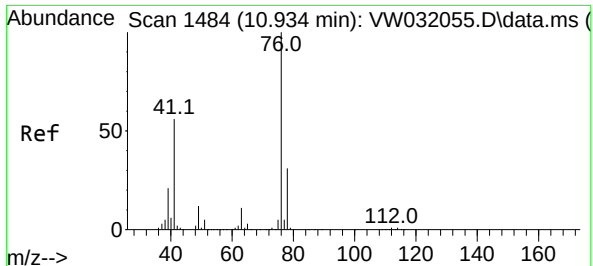


#56
Ethyl methacrylate
Concen: 19.216 ug/l
RT: 10.648 min Scan# 1437
Delta R.T. -0.000 min
Lab File: VW032082.D
Acq: 14 Aug 2025 10:27



Tgt Ion	Ratio	Lower	Upper
69	100		
41	64.6	51.2	76.8
39	40.4	25.4	38.0





#57

1,3-Dichloropropane

Concen: 20.384 ug/l

RT: 10.934 min Scan# 1484

Delta R.T. -0.000 min

Lab File: VW032082.D

Acq: 14 Aug 2025 10:27

Instrument :

MSVOA_W

ClientSampleId :

VW0814SBS01

Tgt Ion: 76 Resp: 7524

Ion Ratio Lower Upper

76 100

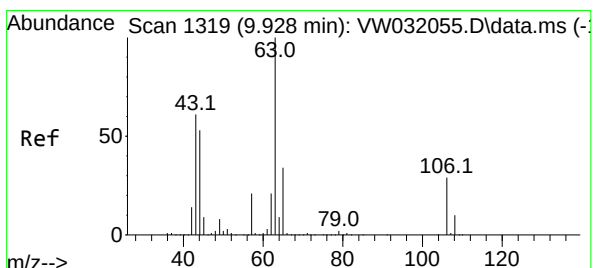
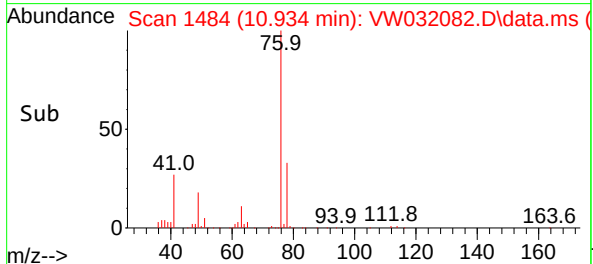
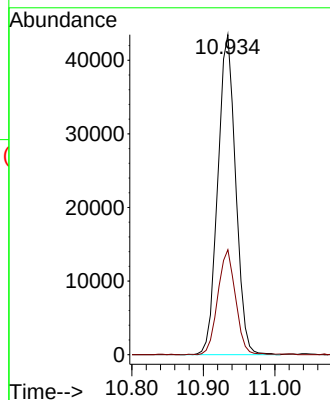
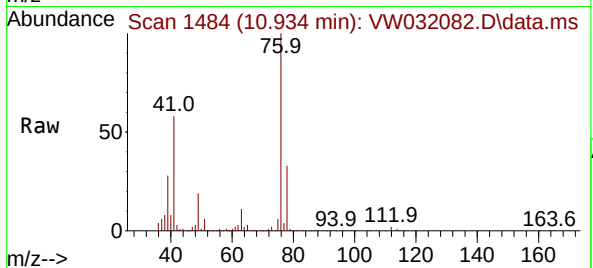
78 32.7 25.8 38.6

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 08/19/2025

Supervised By :Mahesh Dadoda 08/19/2025



#58

2-Chloroethyl Vinyl ether

Concen: 95.881 ug/l

RT: 9.928 min Scan# 1319

Delta R.T. -0.000 min

Lab File: VW032082.D

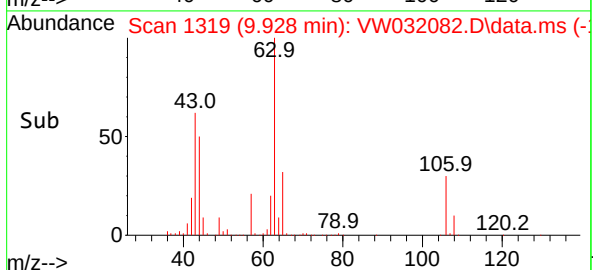
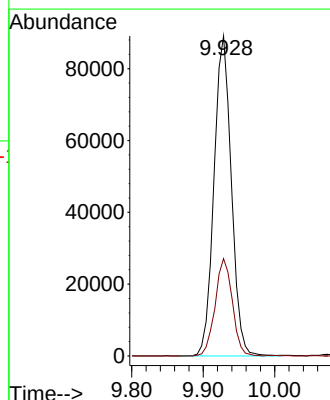
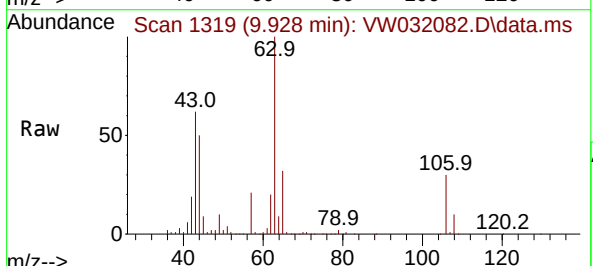
Acq: 14 Aug 2025 10:27

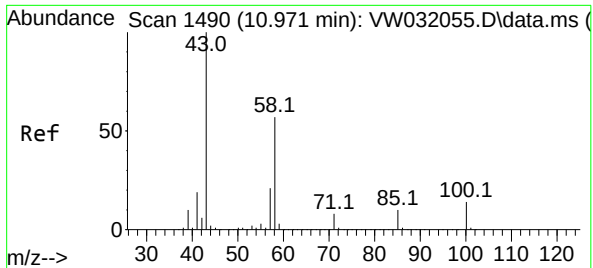
Tgt Ion: 63 Resp: 150289

Ion Ratio Lower Upper

63 100

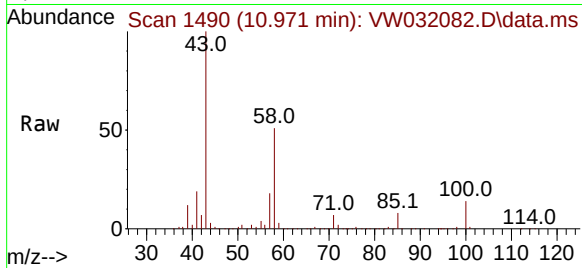
106 30.1 23.5 35.3





#59
2-Hexanone
Concen: 104.476 ug/l
RT: 10.971 min Scan# 1490
Delta R.T. -0.000 min
Lab File: VW032082.D
Acq: 14 Aug 2025 10:27

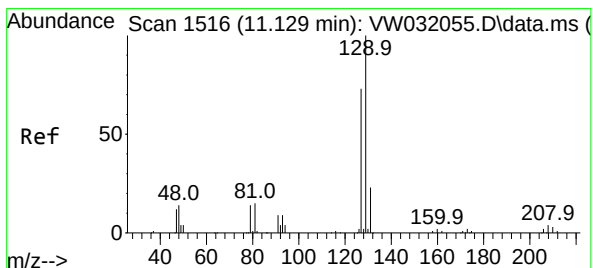
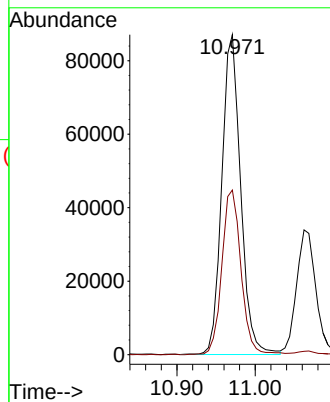
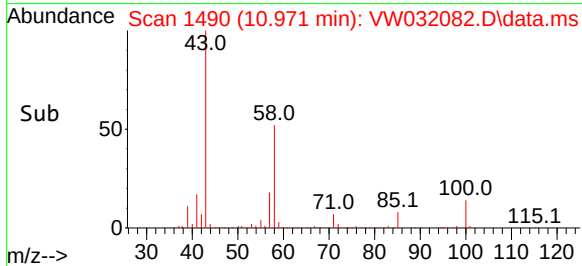
Instrument :
MSVOA_W
ClientSampleId :
VW0814SBS01



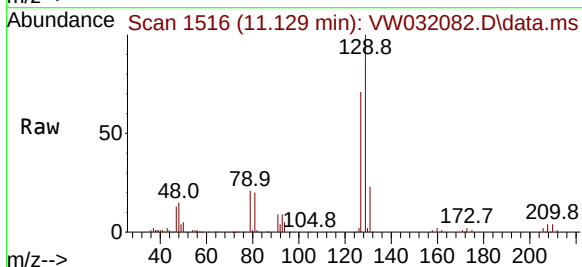
Tgt Ion: 43 Resp: 145508
Ion Ratio Lower Upper
43 100
58 52.4 28.3 85.0

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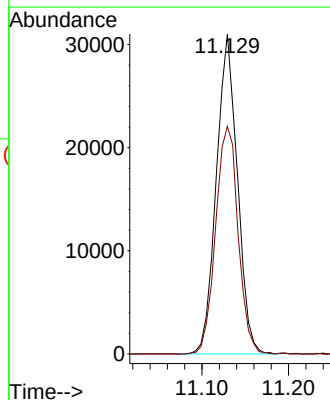
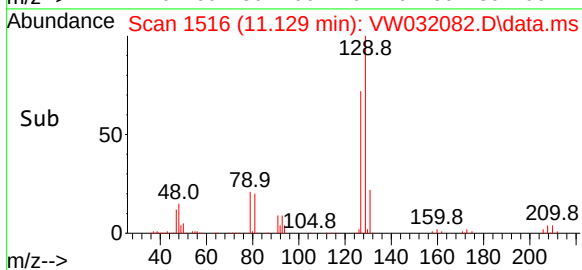
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025

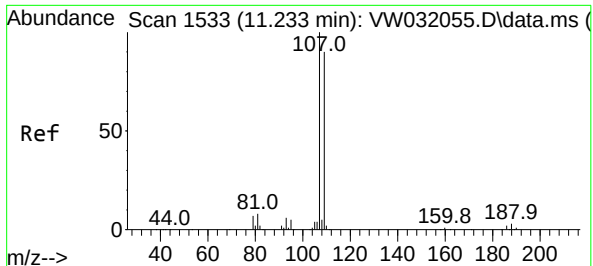


#60
Dibromochloromethane
Concen: 21.668 ug/l
RT: 11.129 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VW032082.D
Acq: 14 Aug 2025 10:27



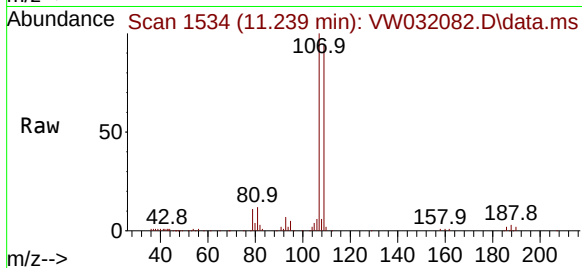
Tgt Ion:129 Resp: 52415
Ion Ratio Lower Upper
129 100
127 75.7 39.0 116.9





#61
1,2-Dibromoethane
Concen: 20.995 ug/l
RT: 11.239 min Scan# 1533
Delta R.T. 0.006 min
Lab File: VW032082.D
Acq: 14 Aug 2025 10:27

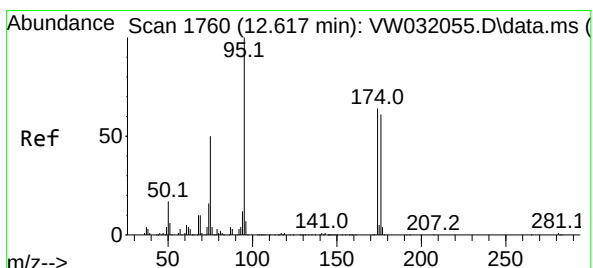
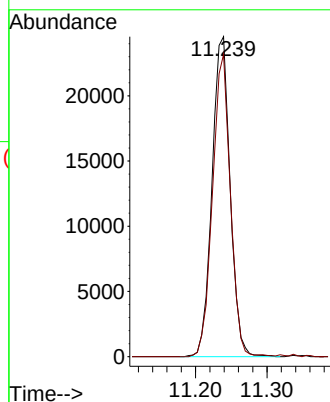
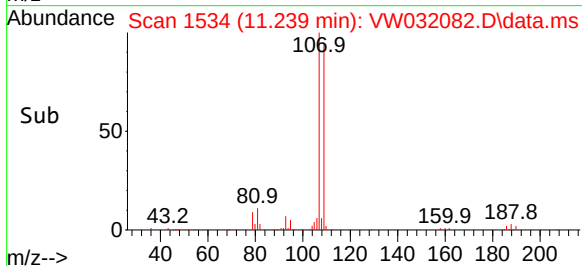
Instrument :
MSVOA_W
ClientSampleId :
VW0814SBS01



Tgt Ion: 107 Resp: 43200
Ion Ratio Lower Upper
107 100
109 93.0 74.2 111.4

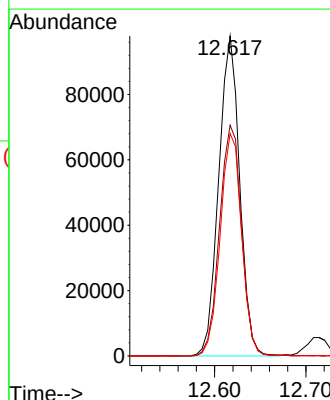
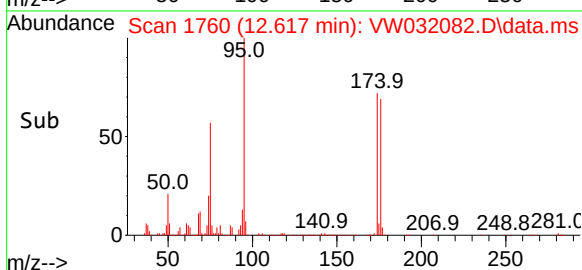
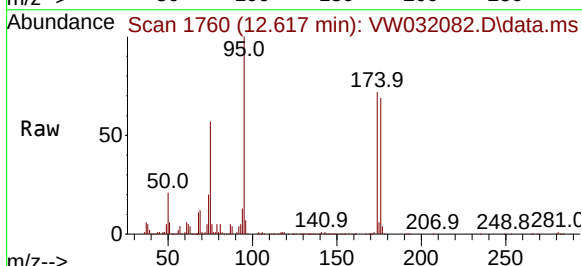
Manual Integrations
APPROVED

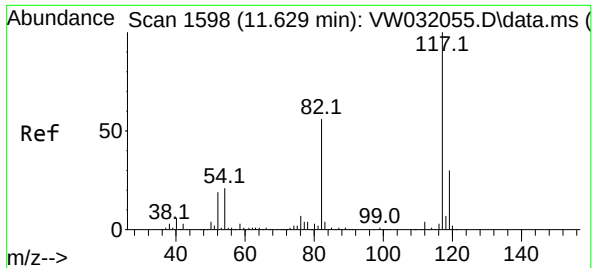
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025



#62
4-Bromofluorobenzene
Concen: 49.195 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032082.D
Acq: 14 Aug 2025 10:27

Tgt Ion: 95 Resp: 156394
Ion Ratio Lower Upper
95 100
174 75.5 0.0 129.0
176 71.0 0.0 124.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.629 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW032082.D

Acq: 14 Aug 2025 10:27

Instrument :

MSVOA_W

ClientSampleId :

VW0814SBS01

Tgt Ion:117 Resp: 335310

Ion Ratio Lower Upper

117 100

82 57.5 45.0 67.4

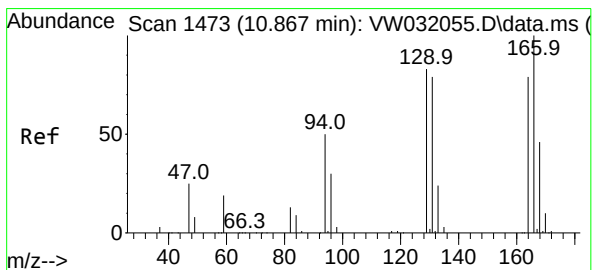
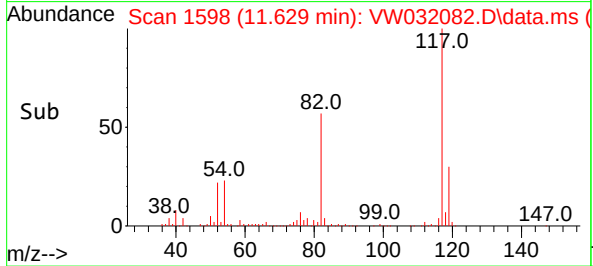
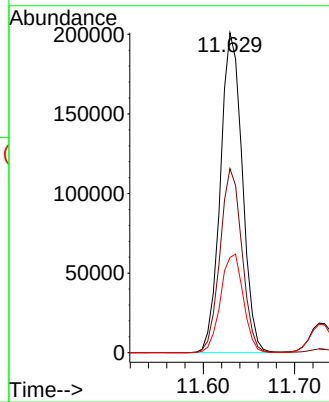
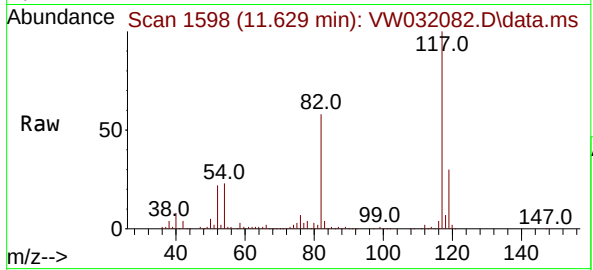
119 29.7 24.2 36.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/19/2025

Supervised By :Mahesh Dadoda 08/19/2025



#64

Tetrachloroethene

Concen: 21.451 ug/l

RT: 10.867 min Scan# 1473

Delta R.T. -0.000 min

Lab File: VW032082.D

Acq: 14 Aug 2025 10:27

Tgt Ion:164 Resp: 41545

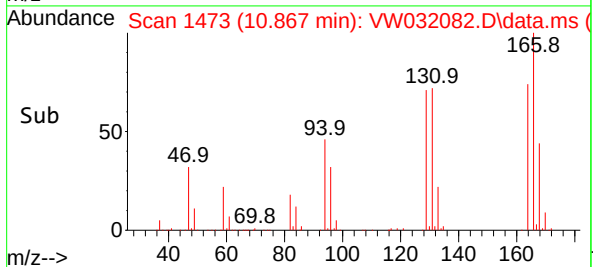
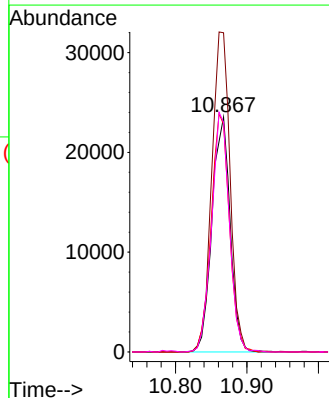
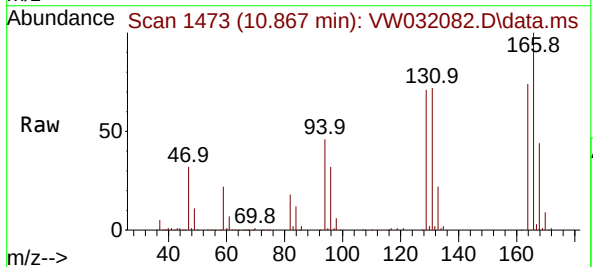
Ion Ratio Lower Upper

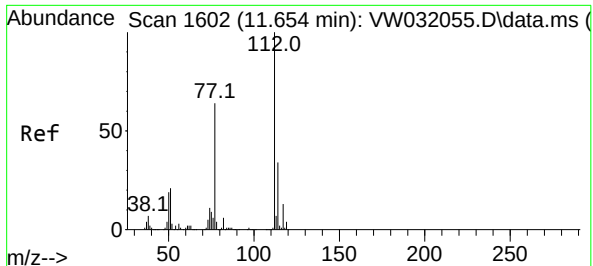
164 100

166 135.9 100.9 151.3

129 96.9 83.6 125.4

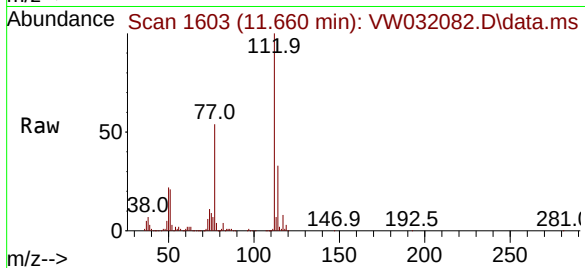
131 97.8 79.3 118.9





#65
Chlorobenzene
Concen: 20.395 ug/l
RT: 11.660 min Scan# 1603
Delta R.T. 0.006 min
Lab File: VW032082.D
Acq: 14 Aug 2025 10:27

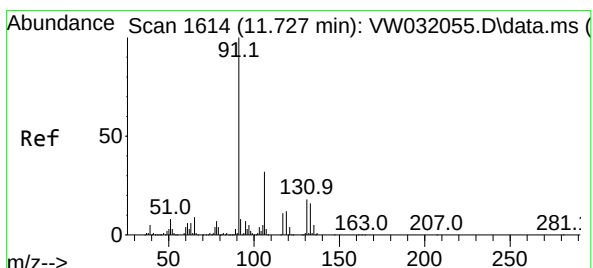
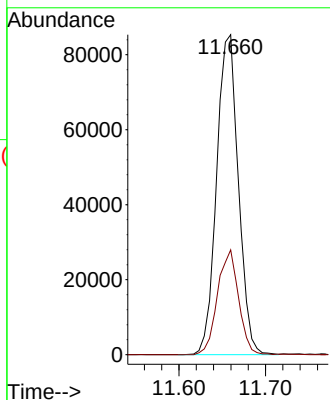
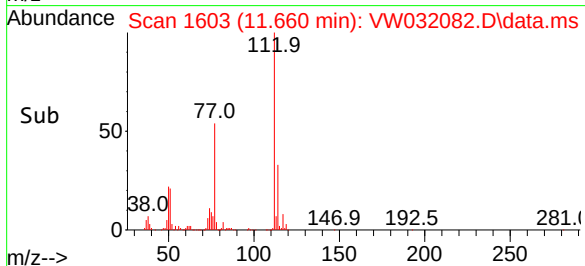
Instrument :
MSVOA_W
ClientSampleId :
VW0814SBS01



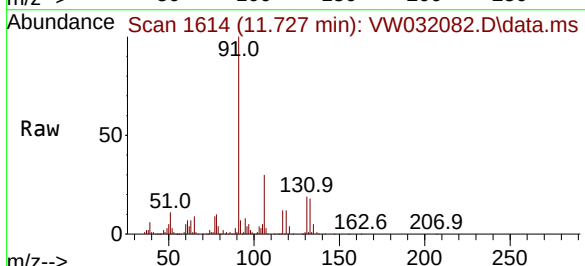
Tgt Ion:112 Resp: 148850
Ion Ratio Lower Upper
112 100
114 32.8 26.9 40.3

Manual Integrations
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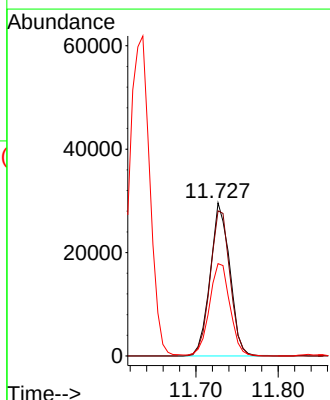
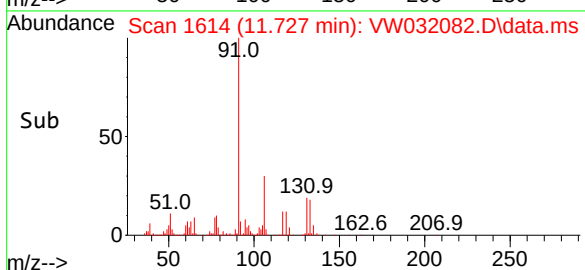
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025

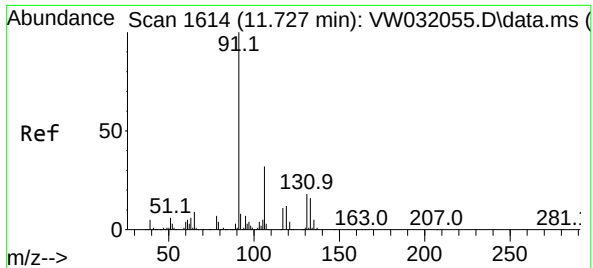


#66
1,1,1,2-Tetrachloroethane
Concen: 21.525 ug/l
RT: 11.727 min Scan# 1614
Delta R.T. -0.000 min
Lab File: VW032082.D
Acq: 14 Aug 2025 10:27



Tgt Ion:131 Resp: 49016
Ion Ratio Lower Upper
131 100
133 96.1 47.3 142.0
119 63.4 34.5 103.5





#67

Ethyl Benzene

Concen: 20.179 ug/l

RT: 11.727 min Scan# 1614

Delta R.T. -0.000 min

Lab File: VW032082.D

Acq: 14 Aug 2025 10:27

Instrument :

MSVOA_W

ClientSampleId :

VW0814SBS01

Tgt Ion: 91 Resp: 24947

Ion Ratio Lower Upper

91 100

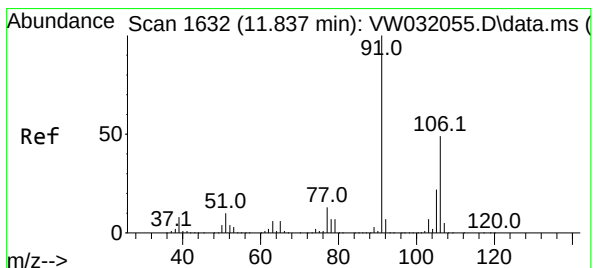
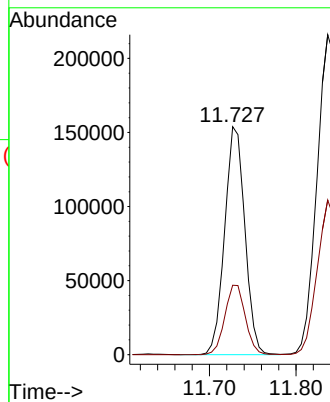
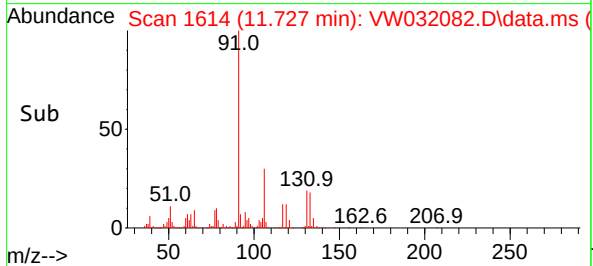
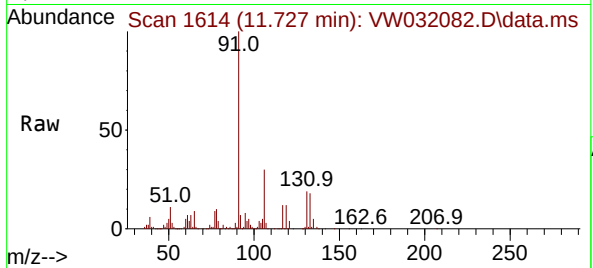
106 30.5 25.4 38.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/19/2025

Supervised By :Mahesh Dadoda 08/19/2025



#68

m/p-Xylenes

Concen: 40.121 ug/l

RT: 11.836 min Scan# 1632

Delta R.T. -0.000 min

Lab File: VW032082.D

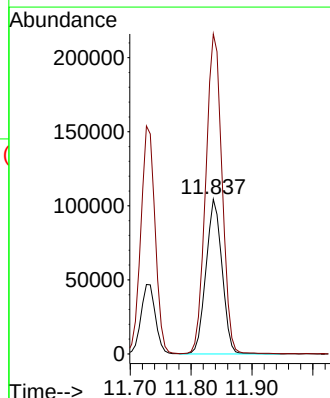
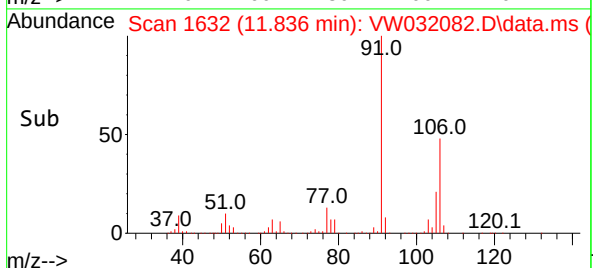
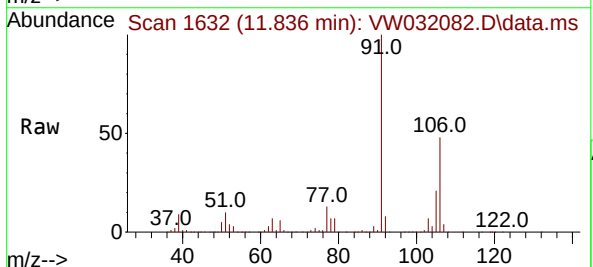
Acq: 14 Aug 2025 10:27

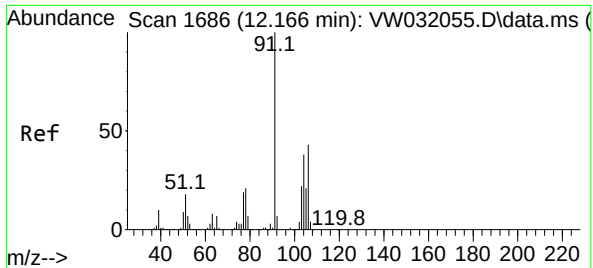
Tgt Ion:106 Resp: 191394

Ion Ratio Lower Upper

106 100

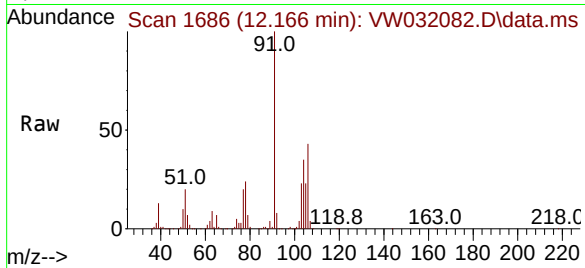
91 209.1 162.2 243.2





#69
o-Xylene
Concen: 19.829 ug/l
RT: 12.166 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VW032082.D
Acq: 14 Aug 2025 10:27

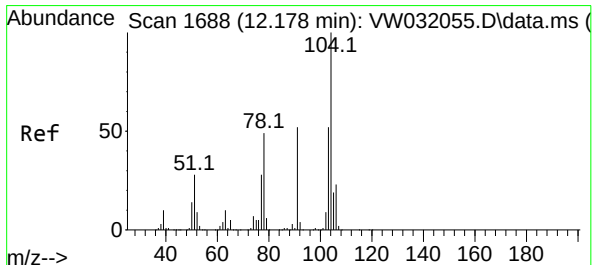
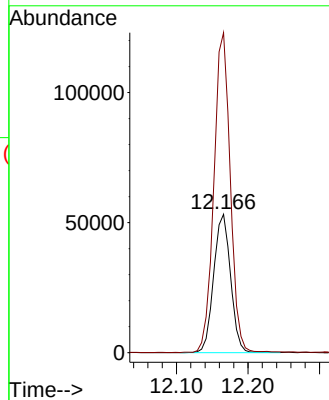
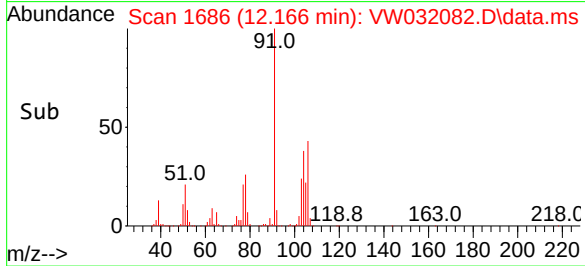
Instrument :
MSVOA_W
ClientSampleId :
VW0814SBS01



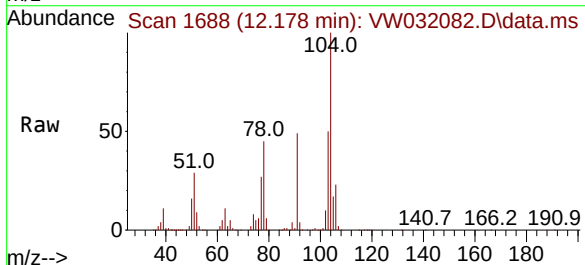
Tgt Ion:106 Resp: 87428
Ion Ratio Lower Upper
106 100
91 224.3 110.8 332.3

Manual Integrations
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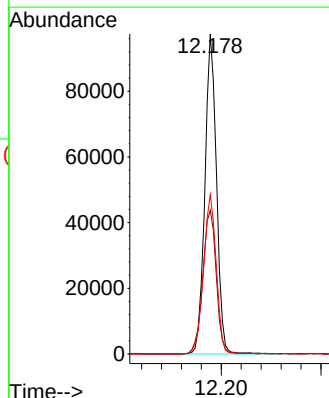
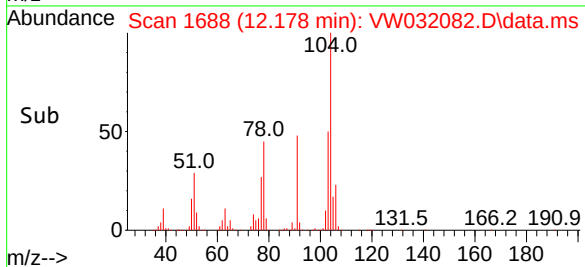
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025

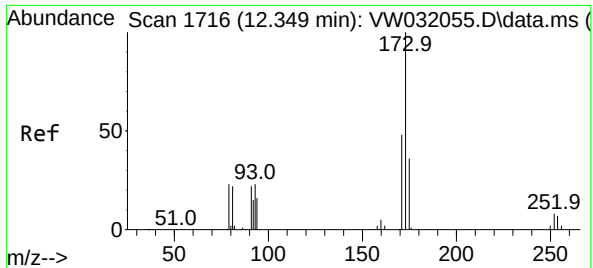


#70
Styrene
Concen: 20.133 ug/l
RT: 12.178 min Scan# 1688
Delta R.T. -0.000 min
Lab File: VW032082.D
Acq: 14 Aug 2025 10:27



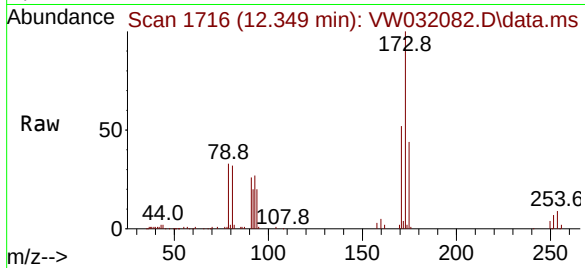
Tgt Ion:104 Resp: 157674
Ion Ratio Lower Upper
104 100
78 51.7 41.2 61.8
103 54.6 43.8 65.8





#71
Bromoform
Concen: 22.114 ug/l
RT: 12.349 min Scan# 1716
Delta R.T. -0.000 min
Lab File: VW032082.D
Acq: 14 Aug 2025 10:27

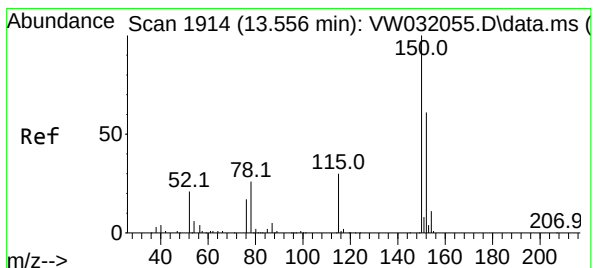
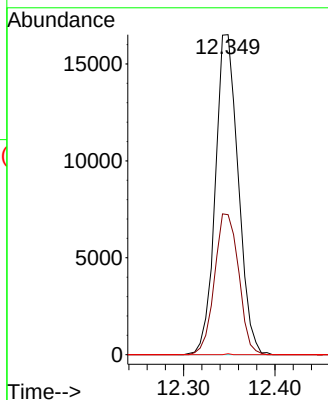
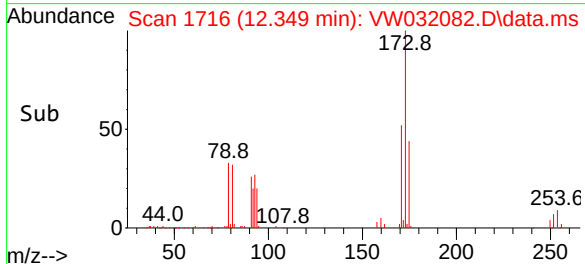
Instrument :
MSVOA_W
ClientSampleId :
VW0814SBS01



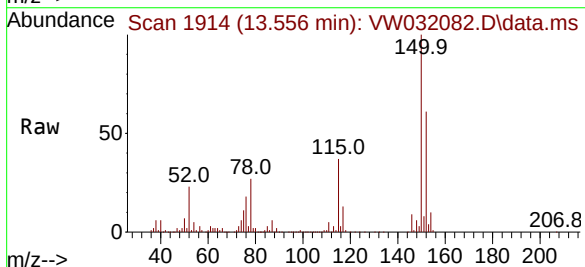
Tgt Ion:173 Resp: 2880
Ion Ratio Lower Upper
173 100
175 46.3 22.9 68.7
254 0.1 0.0 0.0

Manual Integrations
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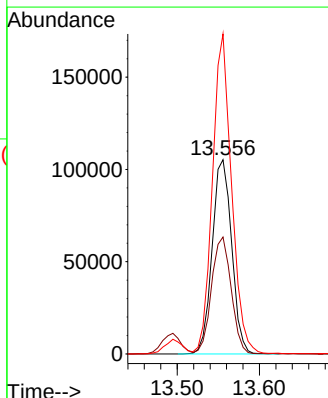
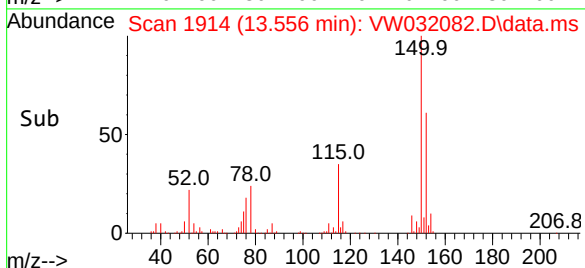
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025

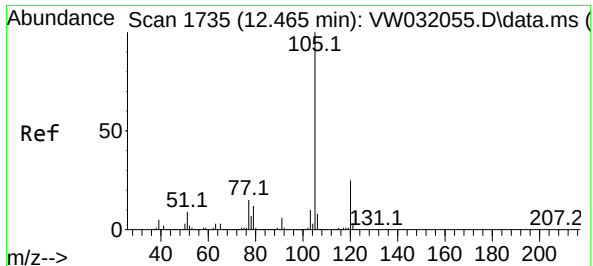


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. -0.000 min
Lab File: VW032082.D
Acq: 14 Aug 2025 10:27



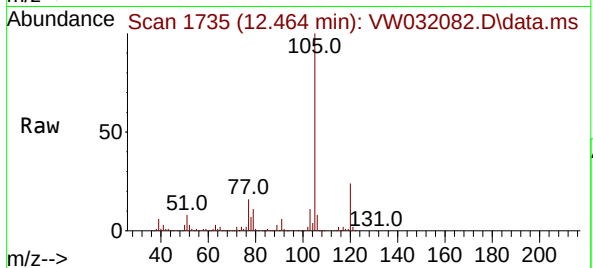
Tgt Ion:152 Resp: 173541
Ion Ratio Lower Upper
152 100
115 60.4 32.6 97.8
150 161.1 0.0 359.4





#73
Isopropylbenzene
Concen: 19.298 ug/l
RT: 12.464 min Scan# 1735
Delta R.T. -0.000 min
Lab File: VW032082.D
Acq: 14 Aug 2025 10:27

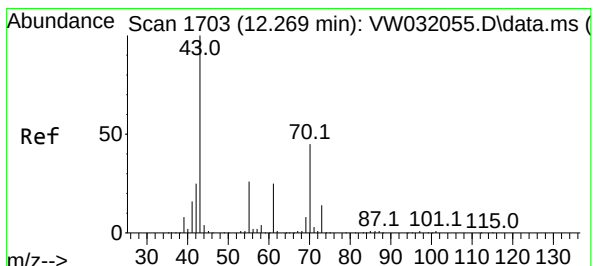
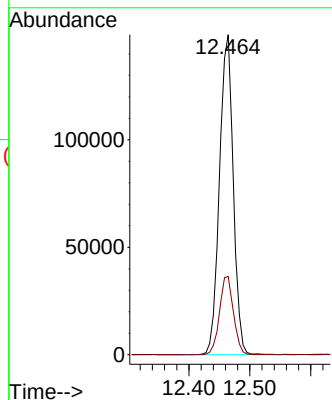
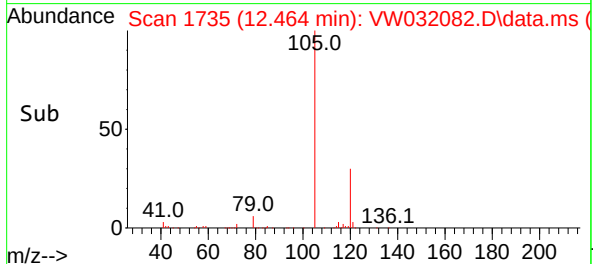
Instrument :
MSVOA_W
ClientSampleId :
VW0814SBS01



Tgt Ion:105 Resp: 23404
Ion Ratio Lower Upper
105 100
120 24.8 12.8 38.4

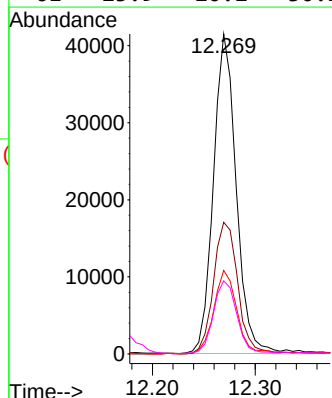
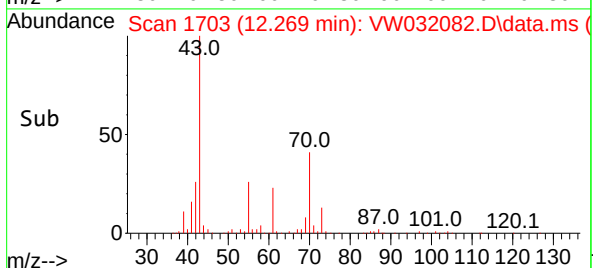
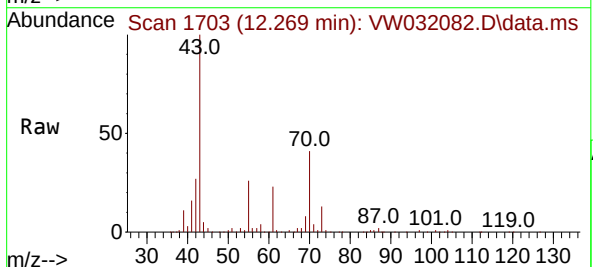
Manual Integrations
APPROVED

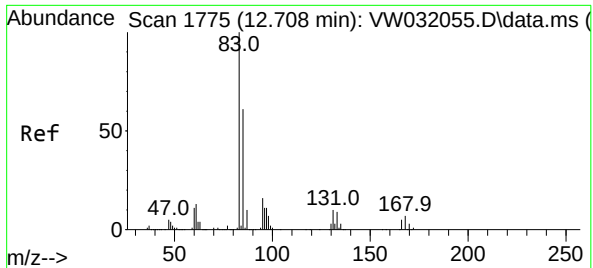
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025



#74
N-ethyl acetate
Concen: 18.263 ug/l
RT: 12.269 min Scan# 1703
Delta R.T. -0.000 min
Lab File: VW032082.D
Acq: 14 Aug 2025 10:27

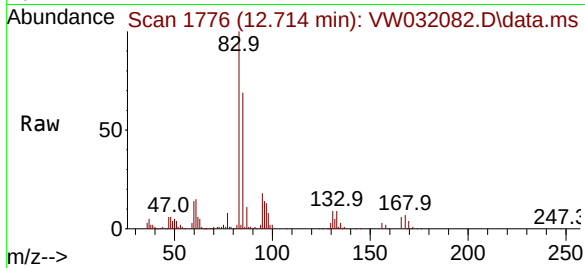
Tgt Ion: 43 Resp: 63547
Ion Ratio Lower Upper
43 100
70 44.6 37.0 55.4
55 27.2 21.1 31.7
61 23.9 20.2 30.2





#75
1,1,2,2-Tetrachloroethane
Concen: 19.244 ug/l
RT: 12.714 min Scan# 1776
Delta R.T. 0.006 min
Lab File: VW032082.D
Acq: 14 Aug 2025 10:27

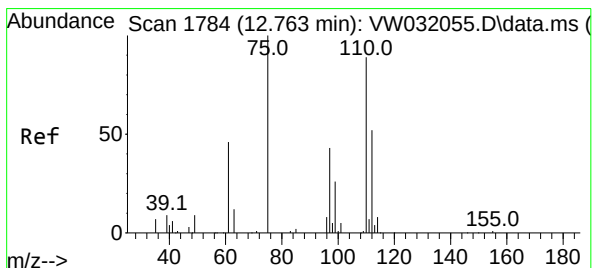
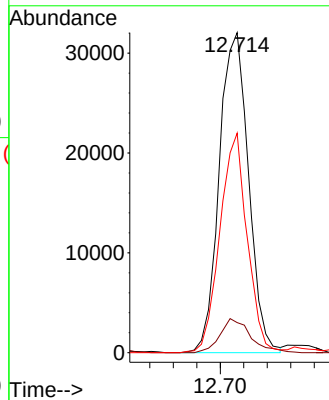
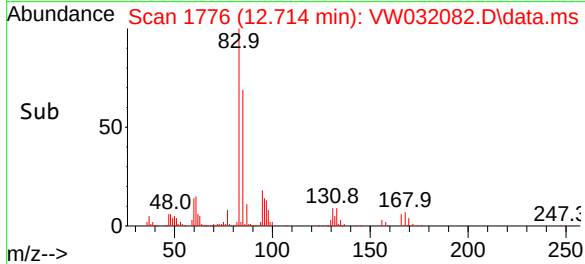
Instrument :
MSVOA_W
ClientSampleId :
VW0814SBS01



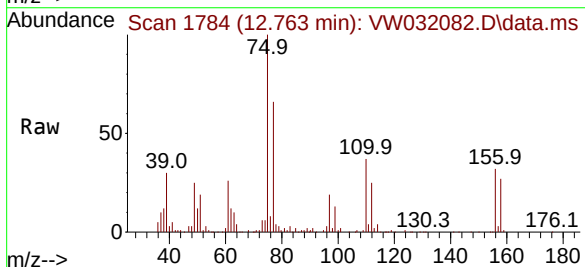
Tgt Ion: 83 Resp: 55414
Ion Ratio Lower Upper
83 100
131 11.1 5.1 15.4
85 64.0 32.2 96.6

Manual Integrations
APPROVED

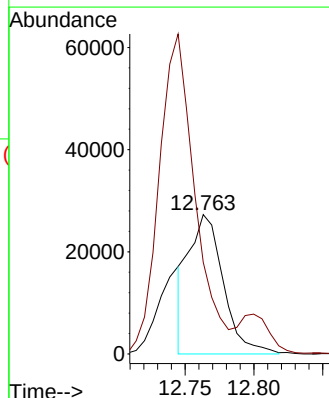
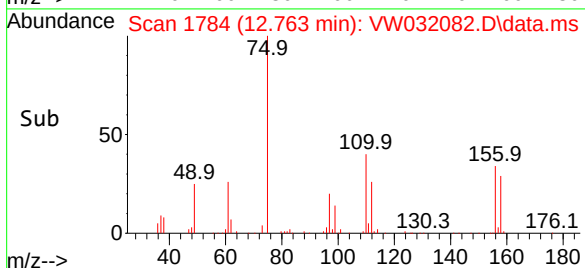
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025

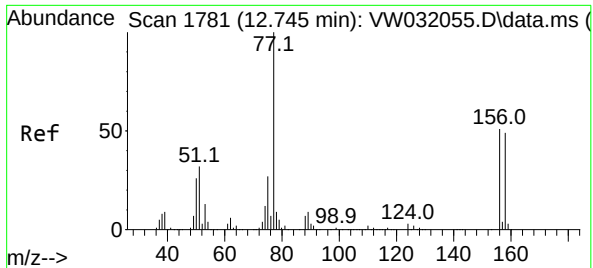


#76
1,2,3-Trichloropropane
Concen: 20.303 ug/l m
RT: 12.763 min Scan# 1784
Delta R.T. -0.000 min
Lab File: VW032082.D
Acq: 14 Aug 2025 10:27



Tgt Ion: 75 Resp: 47821
Ion Ratio Lower Upper
75 100
77 238.0 123.5 370.5





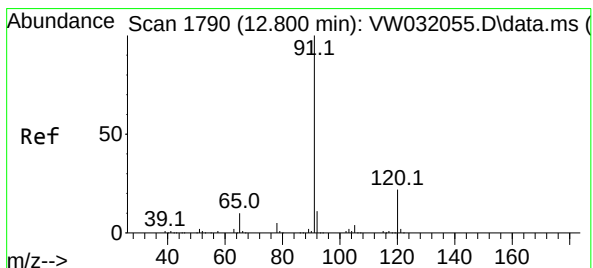
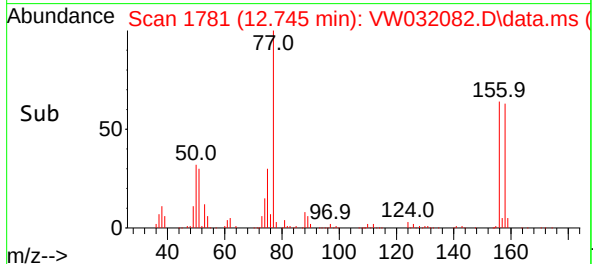
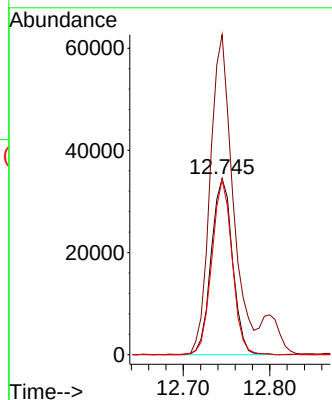
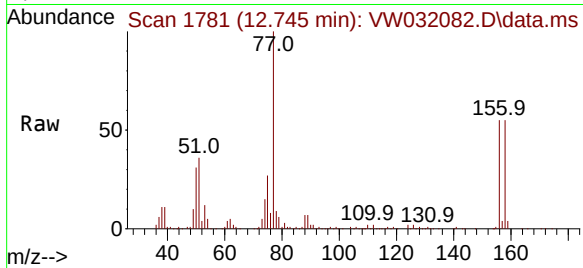
#77
Bromobenzene
Concen: 20.288 ug/l
RT: 12.745 min Scan# 1781
Delta R.T. -0.000 min
Lab File: VW032082.D
Acq: 14 Aug 2025 10:27

Instrument :
MSVOA_W
ClientSampleId :
VW0814SBS01

Tgt Ion: 156 Resp: 5876
Ion Ratio Lower Upper
156 100
77 193.7 108.7 326.3
158 94.5 48.3 144.9

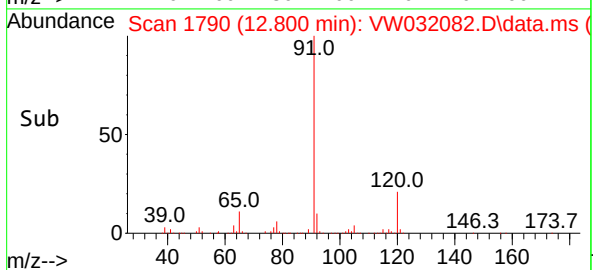
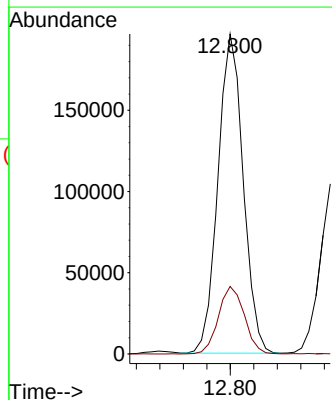
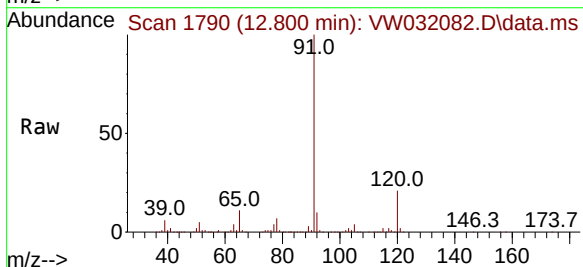
Manual Integrations
APPROVED

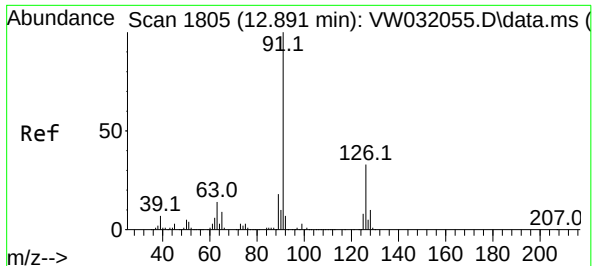
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025



#78
n-propylbenzene
Concen: 19.630 ug/l
RT: 12.800 min Scan# 1790
Delta R.T. -0.000 min
Lab File: VW032082.D
Acq: 14 Aug 2025 10:27

Tgt Ion: 91 Resp: 293106
Ion Ratio Lower Upper
91 100
120 21.8 11.1 33.3





#79

2-Chlorotoluene

Concen: 18.674 ug/l

RT: 12.885 min Scan# 1804

Delta R.T. -0.006 min

Lab File: VW032082.D

Acq: 14 Aug 2025 10:27

Instrument :

MSVOA_W

ClientSampleId :

VW0814SBS01

Tgt Ion: 91 Resp: 17208

Ion Ratio Lower Upper

91 100

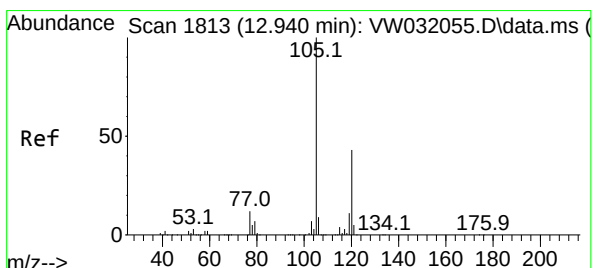
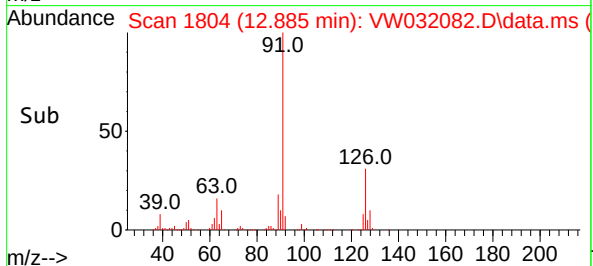
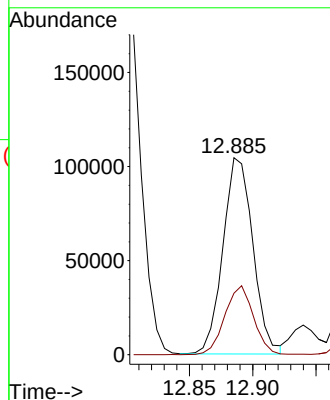
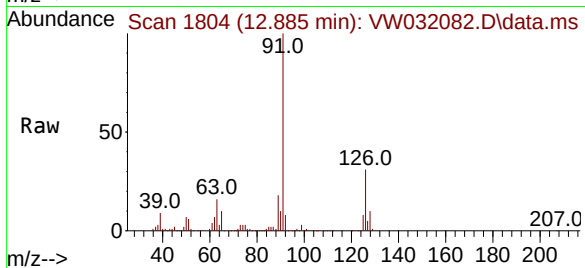
126 33.8 15.9 47.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/19/2025

Supervised By :Mahesh Dadoda 08/19/2025



#80

1,3,5-Trimethylbenzene

Concen: 19.419 ug/l

RT: 12.940 min Scan# 1813

Delta R.T. -0.000 min

Lab File: VW032082.D

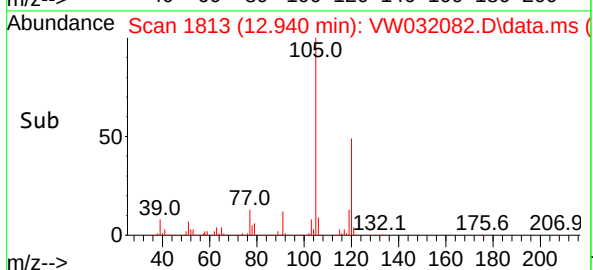
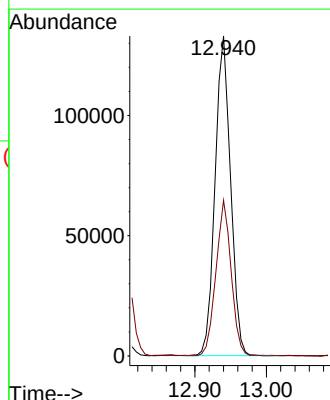
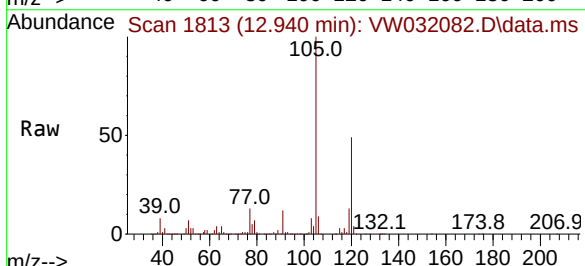
Acq: 14 Aug 2025 10:27

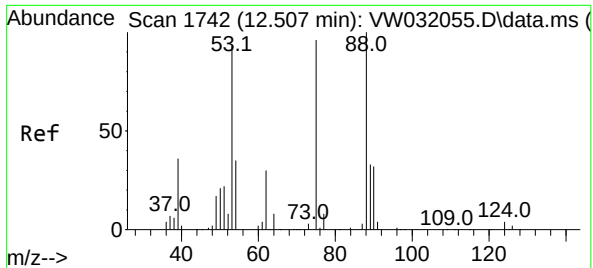
Tgt Ion:105 Resp: 199943

Ion Ratio Lower Upper

105 100

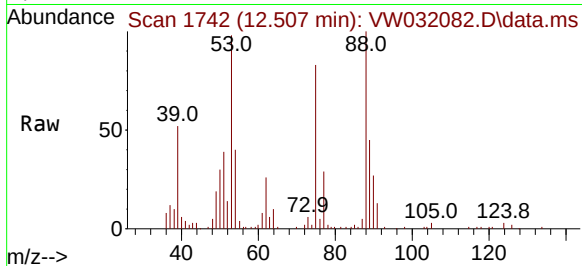
120 47.8 23.4 70.0





#81
trans-1,4-Dichloro-2-butene
Concen: 16.406 ug/l
RT: 12.507 min Scan# 1742
Delta R.T. -0.000 min
Lab File: VW032082.D
Acq: 14 Aug 2025 10:27

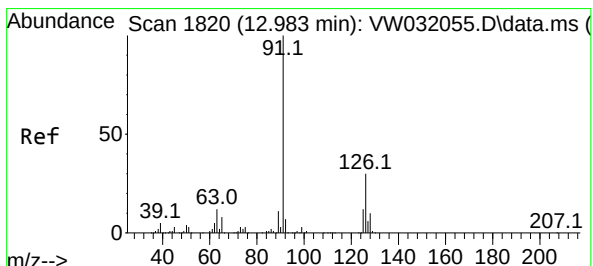
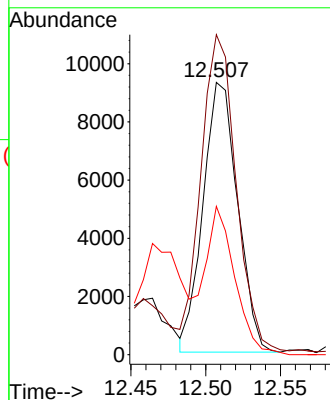
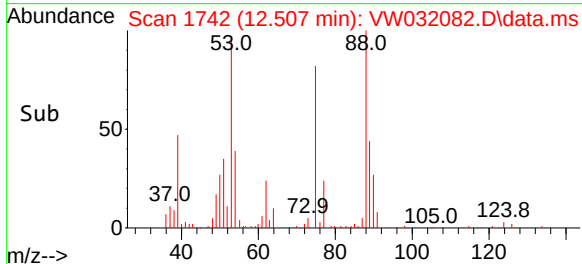
Instrument :
MSVOA_W
ClientSampleId :
VW0814SBS01



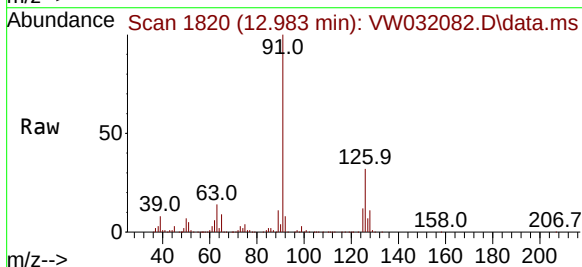
Tgt Ion: 75 Resp: 14920
Ion Ratio Lower Upper
75 100
53 123.4 81.0 121.6
89 48.6 37.3 55.9

Manual Integrations
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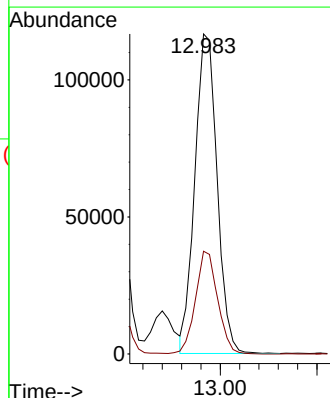
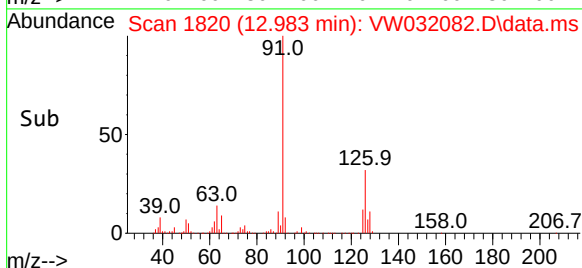
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025

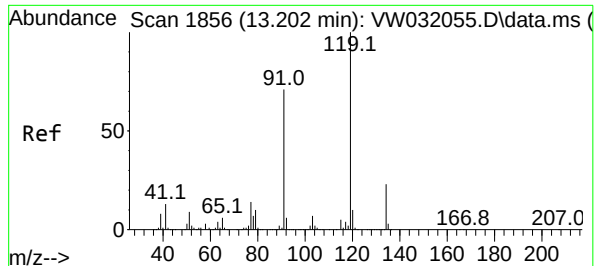


#82
4-Chlorotoluene
Concen: 19.042 ug/l
RT: 12.983 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VW032082.D
Acq: 14 Aug 2025 10:27



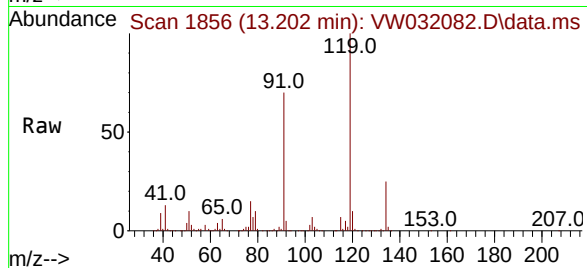
Tgt Ion: 91 Resp: 186440
Ion Ratio Lower Upper
91 100
126 32.1 15.5 46.5





#83
tert-Butylbenzene
Concen: 19.009 ug/l
RT: 13.202 min Scan# 1856
Delta R.T. -0.000 min
Lab File: VW032082.D
Acq: 14 Aug 2025 10:27

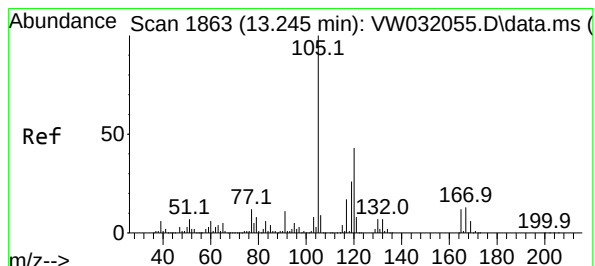
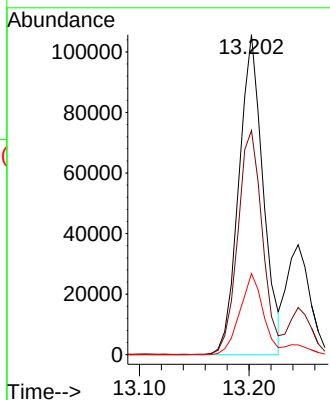
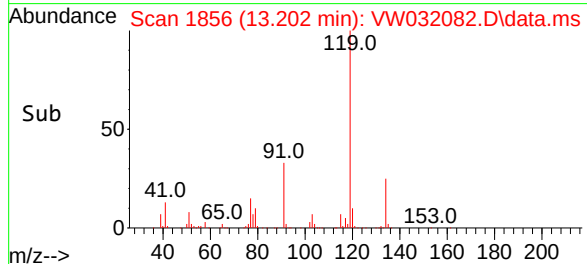
Instrument :
MSVOA_W
ClientSampleId :
VW0814SBS01



Tgt Ion:119 Resp: 162438
Ion Ratio Lower Upper
119 100
91 70.8 35.3 105.9
134 24.8 12.1 36.3

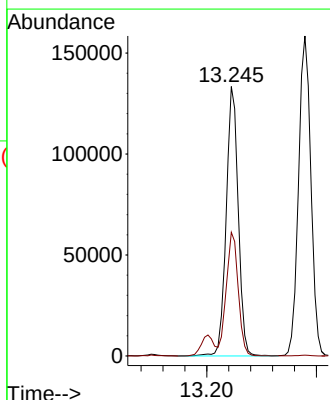
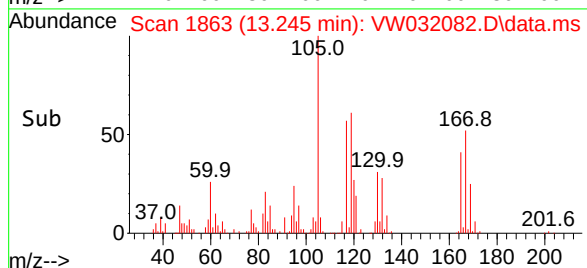
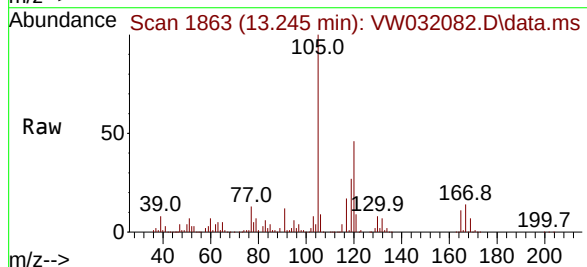
Manual Integrations
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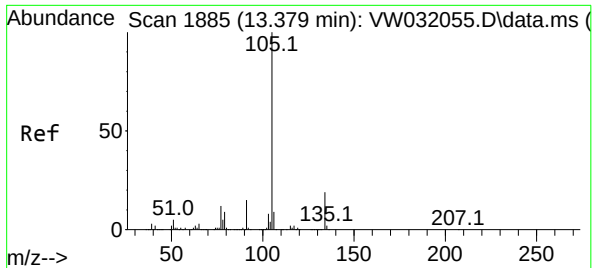
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025



#84
1,2,4-Trimethylbenzene
Concen: 19.477 ug/l
RT: 13.245 min Scan# 1863
Delta R.T. -0.000 min
Lab File: VW032082.D
Acq: 14 Aug 2025 10:27

Tgt Ion:105 Resp: 204141
Ion Ratio Lower Upper
105 100
120 45.4 21.6 64.8





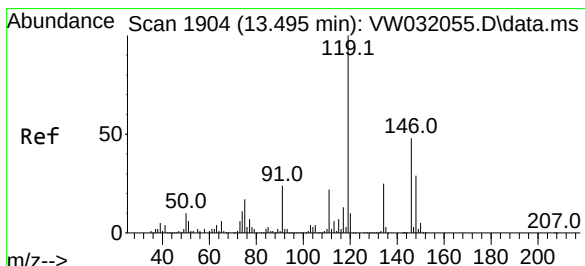
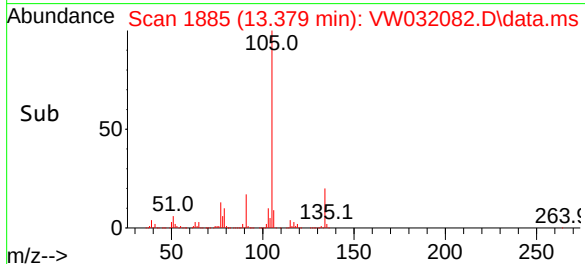
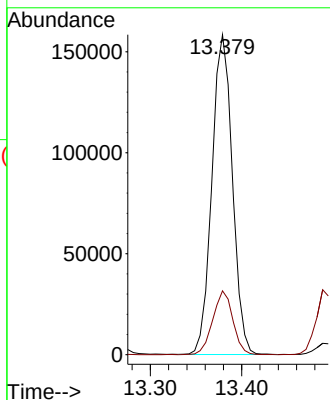
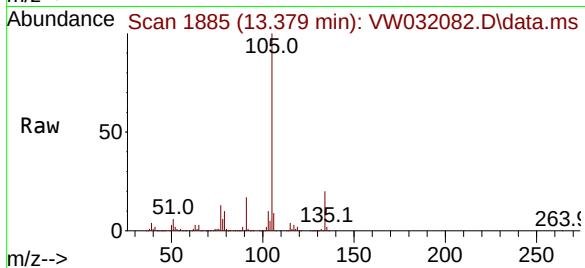
#85
sec-Butylbenzene
Concen: 19.074 ug/l
RT: 13.379 min Scan# 1885
Delta R.T. -0.000 min
Lab File: VW032082.D
Acq: 14 Aug 2025 10:27

Instrument :
MSVOA_W
ClientSampleId :
VW0814SBS01

Tgt Ion:105 Resp: 246430
Ion Ratio Lower Upper
105 100
134 19.6 9.9 29.7

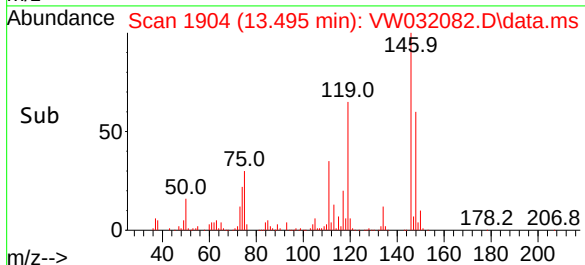
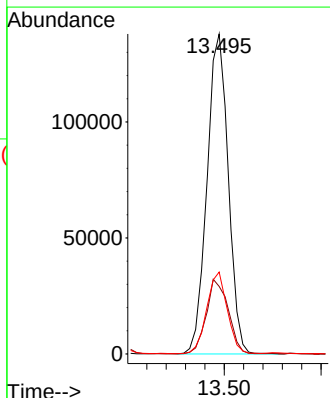
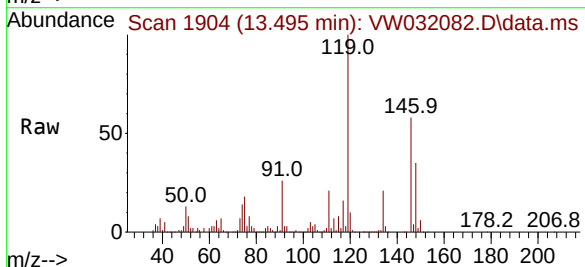
Manual Integrations
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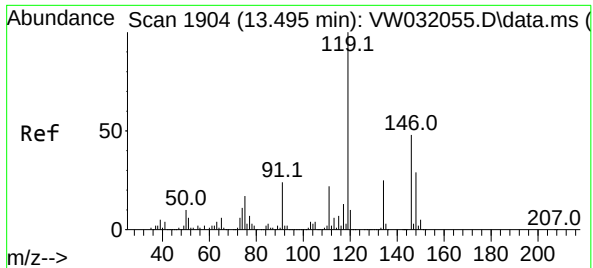
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025



#86
p-Isopropyltoluene
Concen: 19.547 ug/l
RT: 13.495 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VW032082.D
Acq: 14 Aug 2025 10:27

Tgt Ion:119 Resp: 210533
Ion Ratio Lower Upper
119 100
134 24.2 12.4 37.0
91 24.6 12.1 36.3





#87

1,3-Dichlorobenzene

Concen: 21.455 ug/l

RT: 13.495 min Scan# 1904

Delta R.T. -0.000 min

Lab File: VW032082.D

Acq: 14 Aug 2025 10:27

Instrument :

MSVOA_W

ClientSampleId :

VW0814SBS01

Tgt Ion:146 Resp: 12366

Ion Ratio Lower Upper

146 100

111 38.6 21.2 63.6

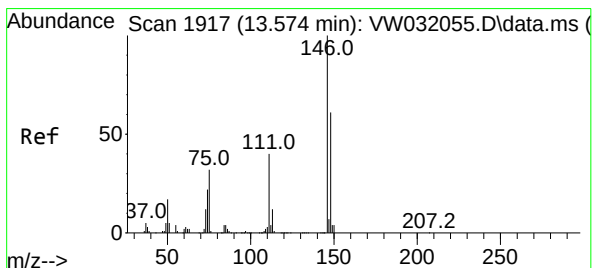
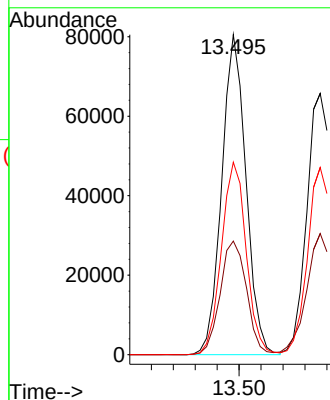
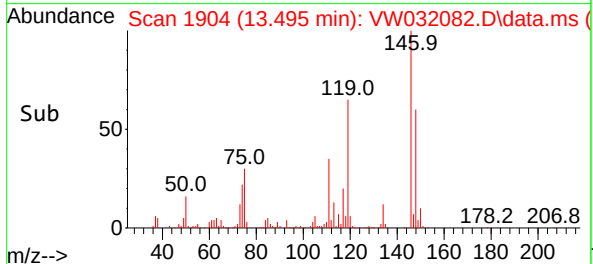
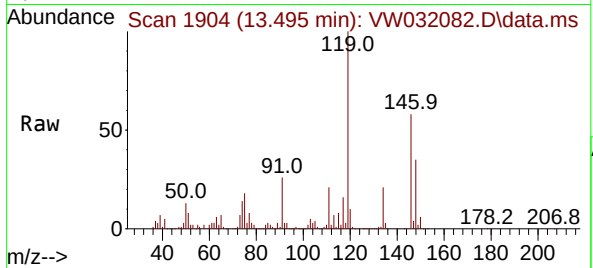
148 61.7 30.3 90.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/19/2025

Supervised By :Mahesh Dadoda 08/19/2025



#88

1,4-Dichlorobenzene

Concen: 19.366 ug/l

RT: 13.574 min Scan# 1917

Delta R.T. -0.000 min

Lab File: VW032082.D

Acq: 14 Aug 2025 10:27

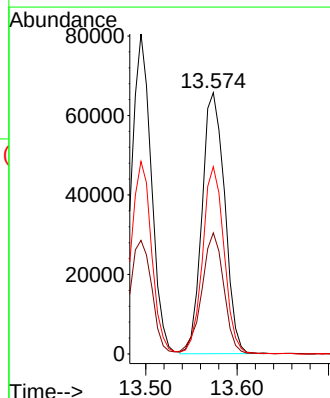
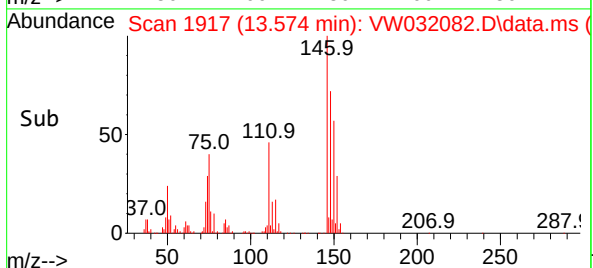
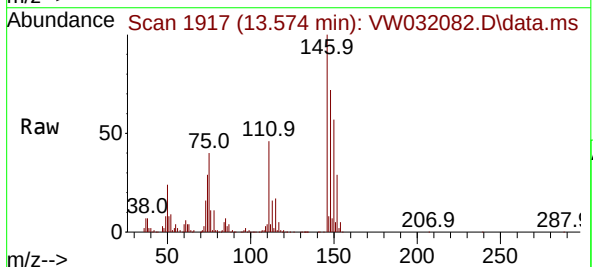
Tgt Ion:146 Resp: 112801

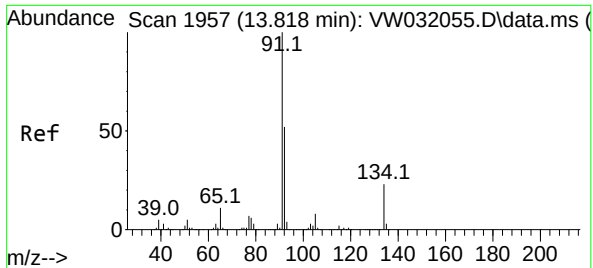
Ion Ratio Lower Upper

146 100

111 45.1 21.6 64.6

148 67.9 32.0 96.2





#89

n-Butylbenzene

Concen: 19.407 ug/l

RT: 13.818 min Scan# 1957

Delta R.T. -0.000 min

Lab File: VW032082.D

Acq: 14 Aug 2025 10:27

Instrument :

MSVOA_W

ClientSampleId :

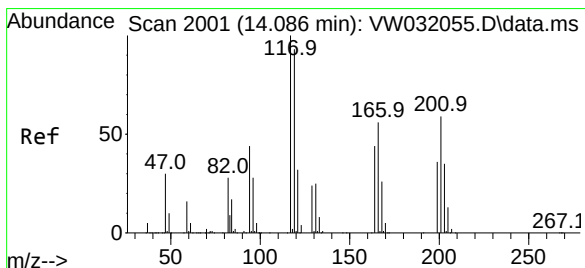
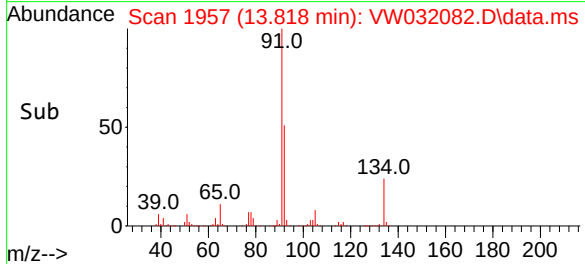
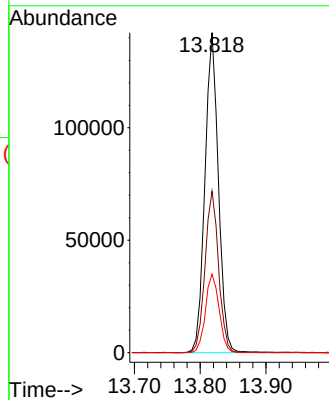
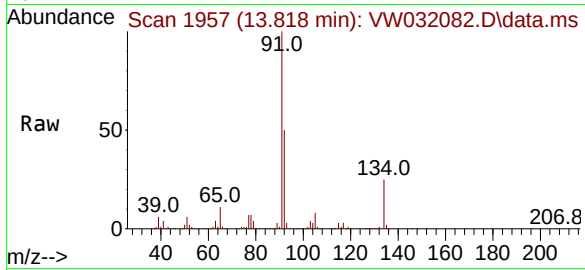
VW0814SBS01

Tgt Ion:	91	Resp:	203065
Ion	Ratio	Lower	Upper
91	100		
92	50.9	26.7	80.1
134	24.9	12.0	36.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025



#90

Hexachloroethane

Concen: 18.817 ug/l

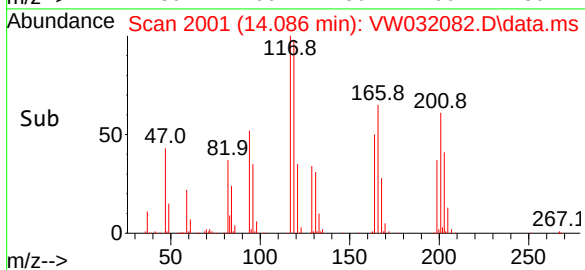
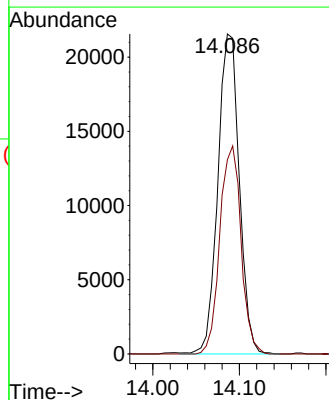
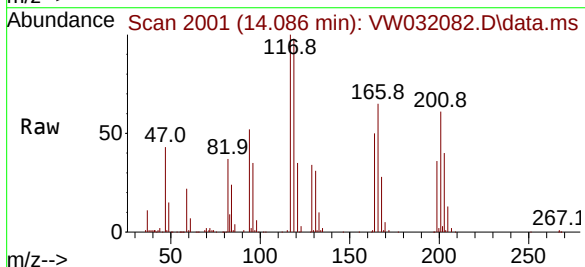
RT: 14.086 min Scan# 2001

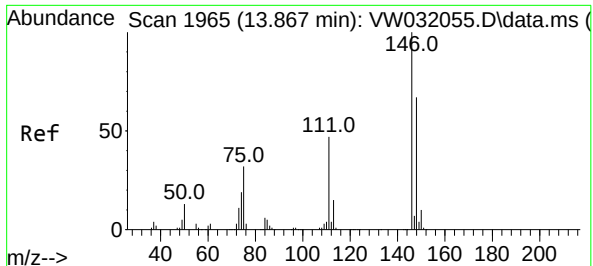
Delta R.T. -0.000 min

Lab File: VW032082.D

Acq: 14 Aug 2025 10:27

Tgt Ion:	117	Resp:	37065
Ion	Ratio	Lower	Upper
117	100		
201	64.3	30.9	92.5





#91

1,2-Dichlorobenzene

Concen: 20.963 ug/l

RT: 13.867 min Scan# 1965

Delta R.T. -0.000 min

Lab File: VW032082.D

Acq: 14 Aug 2025 10:27

Instrument :

MSVOA_W

ClientSampleId :

VW0814SBS01

Tgt Ion:146 Resp: 10945

Ion Ratio Lower Upper

146 100

111 41.4 23.1 69.3

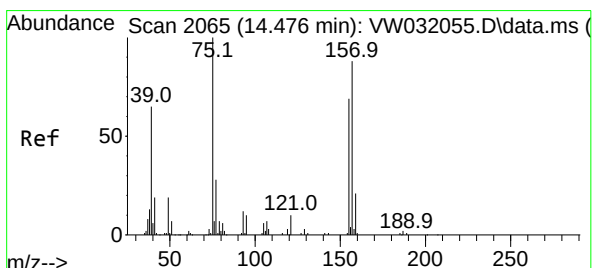
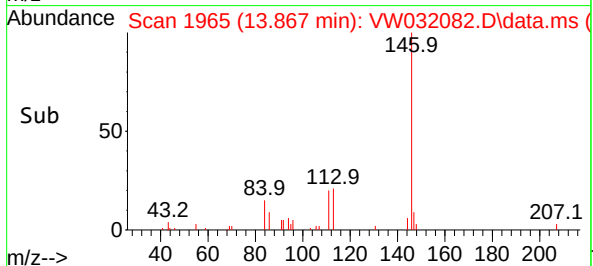
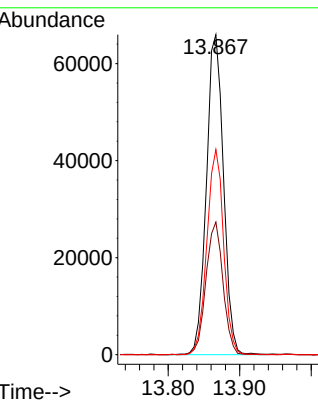
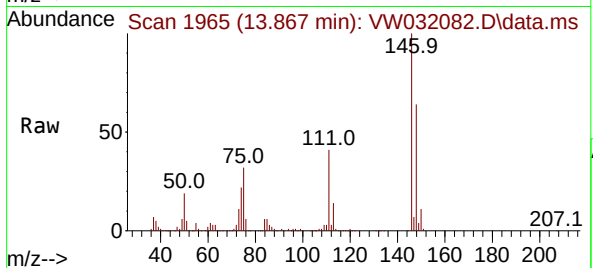
148 62.7 32.9 98.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/19/2025

Supervised By :Mahesh Dadoda 08/19/2025



#92

1,2-Dibromo-3-Chloropropane

Concen: 18.149 ug/l

RT: 14.482 min Scan# 2066

Delta R.T. 0.006 min

Lab File: VW032082.D

Acq: 14 Aug 2025 10:27

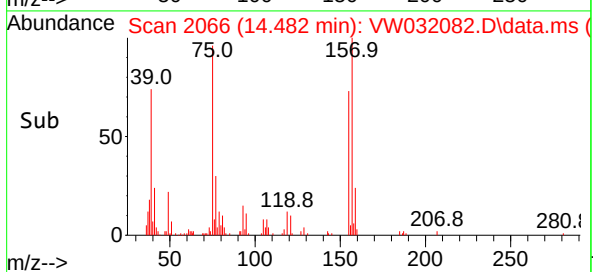
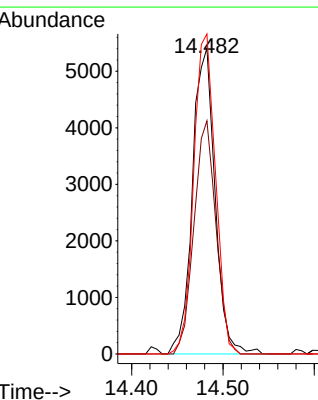
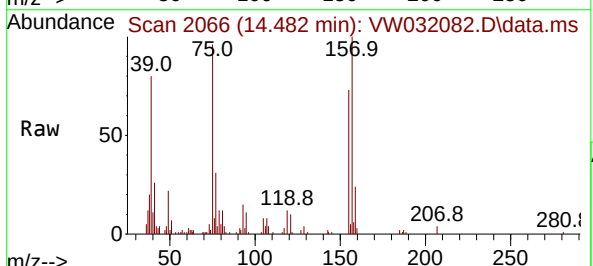
Tgt Ion: 75 Resp: 9291

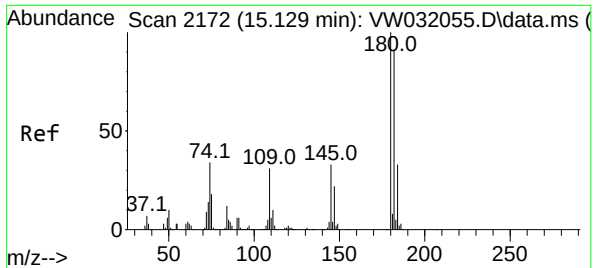
Ion Ratio Lower Upper

75 100

155 74.0 35.2 105.6

157 100.4 47.5 142.6





#93

1,2,4-Trichlorobenzene

Concen: 19.423 ug/l

RT: 15.123 min Scan# 2172

Delta R.T. -0.006 min

Lab File: VW032082.D

Acq: 14 Aug 2025 10:27

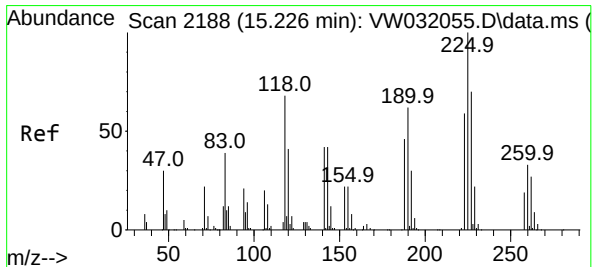
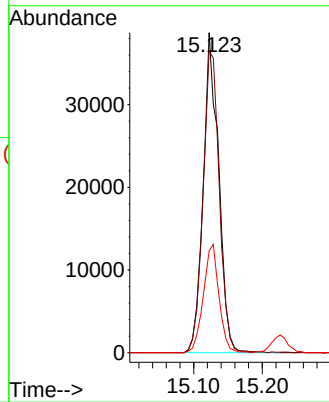
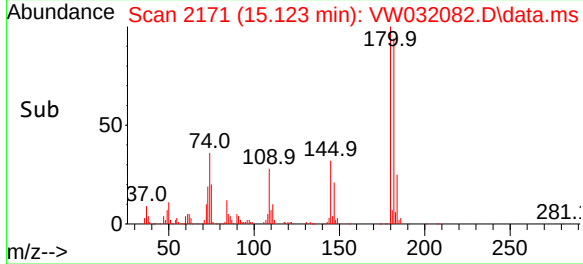
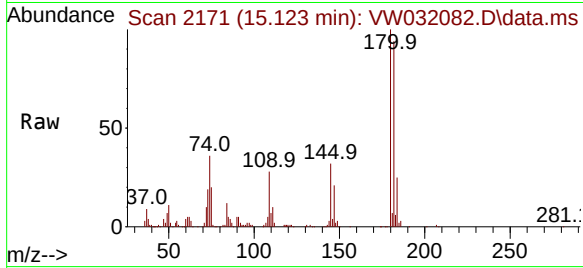
Instrument :

MSVOA_W

ClientSampleId :

VW0814SBS01

Tgt Ion:	180	Resp:	6066
Ion Ratio	Lower	Upper	
180	100		
182	99.0	49.0	147.0
145	34.4	17.3	51.9

Manual Integrations
APPROVEDReviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025

#94

Hexachlorobutadiene

Concen: 20.310 ug/l

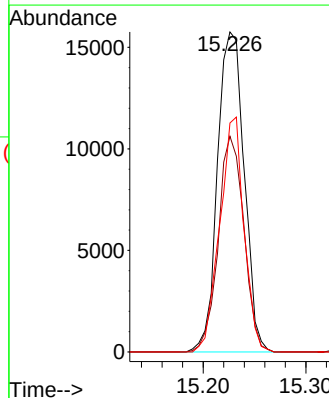
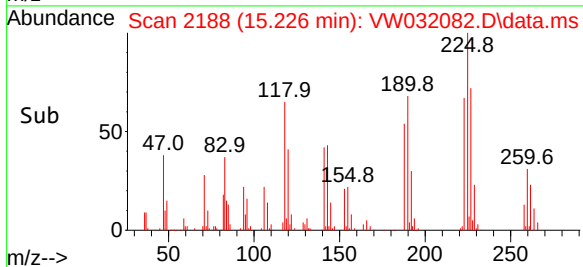
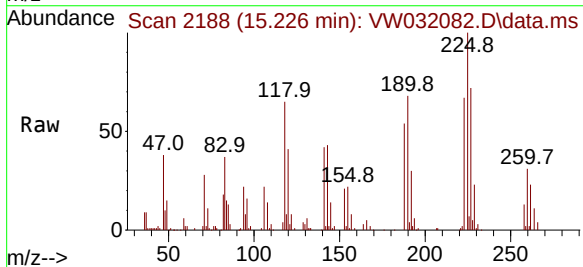
RT: 15.226 min Scan# 2188

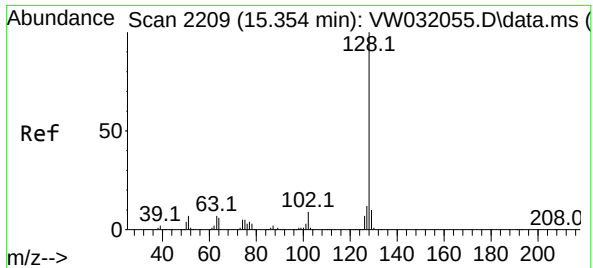
Delta R.T. -0.000 min

Lab File: VW032082.D

Acq: 14 Aug 2025 10:27

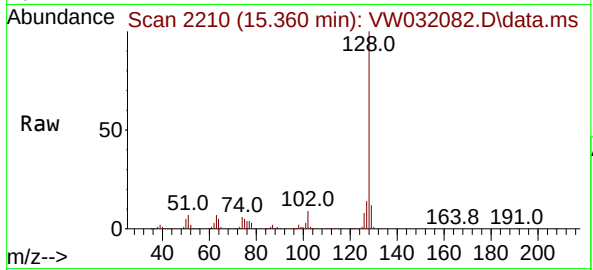
Tgt Ion:	225	Resp:	28357
Ion Ratio	Lower	Upper	
225	100		
223	64.8	31.8	95.3
227	66.8	33.5	100.5





#95
Naphthalene
Concen: 17.805 ug/l
RT: 15.360 min Scan# 2210
Delta R.T. 0.006 min
Lab File: VW032082.D
Acq: 14 Aug 2025 10:27

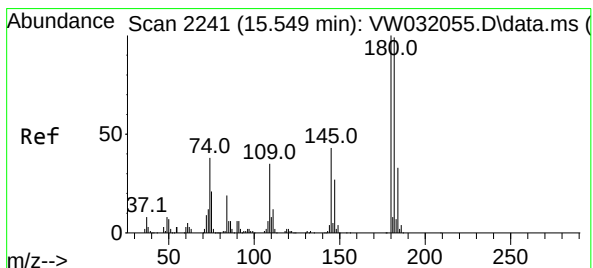
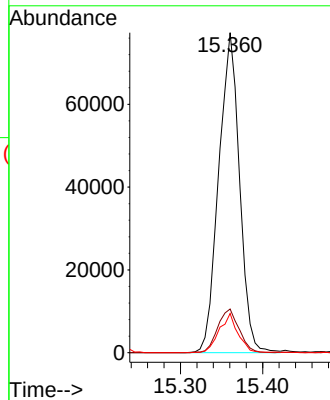
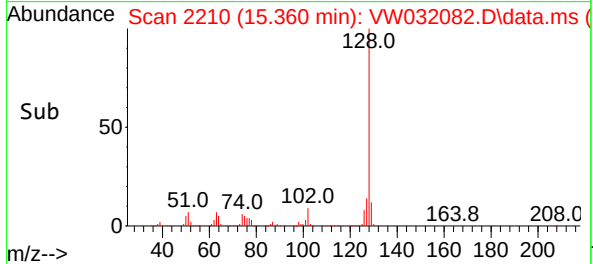
Instrument :
MSVOA_W
ClientSampleId :
VW0814SBS01



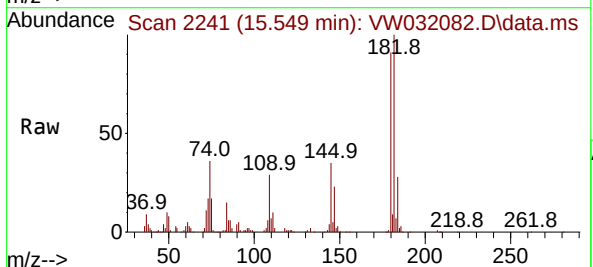
Tgt Ion:128 Resp: 136270
Ion Ratio Lower Upper
128 100
127 14.0 10.5 15.7
129 11.2 8.2 12.4

Manual Integrations
APPROVED

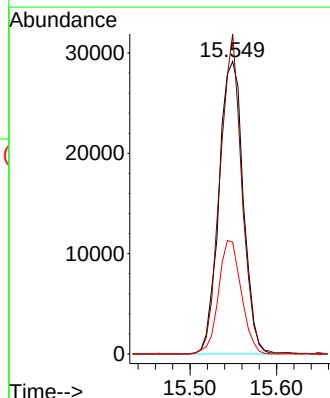
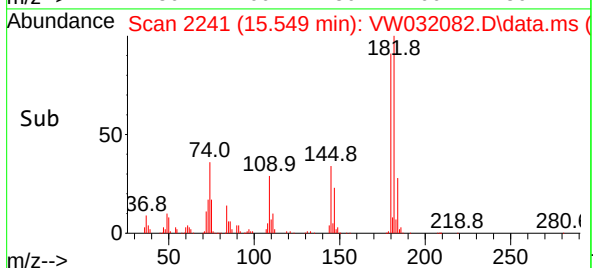
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025



#96
1,2,3-Trichlorobenzene
Concen: 19.997 ug/l
RT: 15.549 min Scan# 2241
Delta R.T. -0.000 min
Lab File: VW032082.D
Acq: 14 Aug 2025 10:27



Tgt Ion:180 Resp: 56830
Ion Ratio Lower Upper
180 100
182 98.1 46.0 138.0
145 36.4 19.2 57.6



Report of Analysis

Client:	First Environment, Inc.	Date Collected:	
Project:	USACE018-44 DOD	Date Received:	
Client Sample ID:	VY0815SBS01	SDG No.:	Q2820
Lab Sample ID:	VY0815SBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY023113.D	1	08/15/25 09:37	VY081525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	19.7		1.10	4.00	5.00	ug/Kg
74-87-3	Chloromethane	22.2		1.10	2.50	5.00	ug/Kg
75-01-4	Vinyl Chloride	22.5		0.79	2.50	5.00	ug/Kg
74-83-9	Bromomethane	25.5		1.10	4.00	5.00	ug/Kg
75-00-3	Chloroethane	22.7		1.30	2.50	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	21.1		1.20	4.00	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	20.2		1.10	2.50	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	19.8		1.00	2.50	5.00	ug/Kg
67-64-1	Acetone	110		4.70	20.0	25.0	ug/Kg
75-15-0	Carbon Disulfide	20.1		1.10	4.00	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	19.5		0.73	2.50	5.00	ug/Kg
79-20-9	Methyl Acetate	18.5		1.50	4.00	5.00	ug/Kg
75-09-2	Methylene Chloride	20.8		3.50	8.00	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	19.9		0.86	2.50	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	20.4		0.80	2.50	5.00	ug/Kg
110-82-7	Cyclohexane	18.9		0.79	2.50	5.00	ug/Kg
78-93-3	2-Butanone	110		6.50	20.0	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	19.6		0.97	2.50	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	20.1		0.75	2.50	5.00	ug/Kg
74-97-5	Bromochloromethane	21.9		1.20	4.00	5.00	ug/Kg
67-66-3	Chloroform	20.9		0.84	4.00	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	20.3		0.93	2.50	5.00	ug/Kg
108-87-2	Methylcyclohexane	18.7		0.91	2.50	5.00	ug/Kg
71-43-2	Benzene	20.4		0.79	2.50	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	20.6		0.79	2.50	5.00	ug/Kg
79-01-6	Trichloroethene	20.5		0.81	2.50	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	20.5		0.91	2.50	5.00	ug/Kg
75-27-4	Bromodichloromethane	20.8		0.78	2.50	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	97.9		3.60	12.5	25.0	ug/Kg
108-88-3	Toluene	20.2		0.78	2.50	5.00	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	
Project:	USACE018-44 DOD	Date Received:	
Client Sample ID:	VY0815SBS01	SDG No.:	Q2820
Lab Sample ID:	VY0815SBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY023113.D	1	08/15/25 09:37	VY081525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	19.9		0.65	2.50	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	19.6		0.62	2.50	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	20.2		0.92	2.50	5.00	ug/Kg
591-78-6	2-Hexanone	100		3.70	12.5	25.0	ug/Kg
124-48-1	Dibromochloromethane	20.1		0.87	2.50	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	20.1		0.88	2.50	5.00	ug/Kg
127-18-4	Tetrachloroethene	21.8		1.10	2.50	5.00	ug/Kg
108-90-7	Chlorobenzene	19.5		0.91	2.50	5.00	ug/Kg
100-41-4	Ethyl Benzene	18.8		0.67	2.50	5.00	ug/Kg
179601-23-1	m/p-Xylenes	38.6		1.20	5.00	10.0	ug/Kg
95-47-6	o-Xylene	18.6		0.82	2.50	5.00	ug/Kg
100-42-5	Styrene	19.4		0.71	2.50	5.00	ug/Kg
75-25-2	Bromoform	18.7		0.86	2.50	5.00	ug/Kg
98-82-8	Isopropylbenzene	18.8		0.78	2.50	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	18.1		1.20	2.50	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	19.1		1.70	2.50	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	19.3		1.60	2.50	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	18.9		1.50	2.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	19.8		1.80	4.00	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	18.2		3.00	4.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	17.9		3.20	4.00	5.00	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	51.7		71 - 136		103%	SPK: 50
1868-53-7	Dibromofluoromethane	49.3		78 - 119		99%	SPK: 50
2037-26-5	Toluene-d8	50.2		85 - 116		100%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.5		79 - 119		97%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	452000	7.707				
540-36-3	1,4-Difluorobenzene	727000	8.616				
3114-55-4	Chlorobenzene-d5	654000	11.414				
3855-82-1	1,4-Dichlorobenzene-d4	327000	13.341				

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	
Project:	USACE018-44 DOD	Date Received:	
Client Sample ID:	VY0815SBS01	SDG No.:	Q2820
Lab Sample ID:	VY0815SBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY023113.D	1	08/15/25 09:37	VY081525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
------------	-----------	-------	-----------	-----	-----	------------	-------

U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 E = Value Exceeds Calibration Range
 Q = indicates LCS control criteria did not meet requirements
 M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 N = Presumptive Evidence of a Compound
 * = Values outside of QC limits
 D = Dilution
 () = Laboratory InHouse Limit
 A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081525\
 Data File : VY023113.D
 Acq On : 15 Aug 2025 09:37
 Operator : SY/MD
 Sample : VY0815SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0815SBS01

Quant Time: Aug 18 02:24:07 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 13 02:10:11 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 08/19/2025
 Supervised By :Mahesh Dadoda 08/19/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	452403	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	727202	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	654458	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.341	152	327154	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	222883	51.692	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.380%			
35) Dibromofluoromethane	7.634	113	214583	49.314	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 98.620%			
50) Toluene-d8	10.103	98	852746	50.165	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 100.320%			
62) 4-Bromofluorobenzene	12.402	95	265399	48.547	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 97.100%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.861	85	72666	19.678	ug/l	95
3) Chloromethane	2.068	50	133033	22.242	ug/l	99
4) Vinyl Chloride	2.202	62	166453	22.514	ug/l	99
5) Bromomethane	2.586	94	140731	25.487	ug/l	99
6) Chloroethane	2.733	64	111737	22.732	ug/l	98
7) Trichlorofluoromethane	3.050	101	189636	21.094	ug/l	99
8) Diethyl Ether	3.452	74	47224	19.855	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.812	101	89471	20.173	ug/l	98
10) Methyl Iodide	4.001	142	86732	18.122	ug/l	98
11) Tert butyl alcohol	4.860	59	27882	94.376	ug/l	99
12) 1,1-Dichloroethene	3.787	96	86211	19.775	ug/l	96
13) Acrolein	3.647	56	38871	89.841	ug/l	100
14) Allyl chloride	4.379	41	123002	19.175	ug/l	98
15) Acrylonitrile	5.055	53	97096	100.413	ug/l	99
16) Acetone	3.867	43	106046	113.526	ug/l	96
17) Carbon Disulfide	4.104	76	285962	20.117	ug/l	99
18) Methyl Acetate	4.379	43	51562	18.549	ug/l	98
19) Methyl tert-butyl Ether	5.116	73	220832	19.548	ug/l	98
20) Methylene Chloride	4.610	84	108703	20.808	ug/l	98
21) trans-1,2-Dichloroethene	5.110	96	97531	19.907	ug/l	98
22) Diisopropyl ether	6.019	45	280592	20.129	ug/l	95
23) Vinyl Acetate	5.958	43	767186	99.534	ug/l	98
24) 1,1-Dichloroethane	5.915	63	173658	20.377	ug/l	99
25) 2-Butanone	6.890	43	133656	105.206	ug/l	100
26) 2,2-Dichloropropane	6.884	77	149423	20.319	ug/l	100
27) cis-1,2-Dichloroethene	6.884	96	113605	20.058	ug/l	97
28) Bromochloromethane	7.238	49	74111	21.919	ug/l	96
29) Tetrahydrofuran	7.262	42	77082	97.884	ug/l	99
30) Chloroform	7.415	83	183779	20.909	ug/l	92
31) Cyclohexane	7.701	56	151804	18.902	ug/l	95
32) 1,1,1-Trichloroethane	7.616	97	157956	20.254	ug/l	99
36) 1,1-Dichloropropene	7.835	75	129384	20.008	ug/l	99
37) Ethyl Acetate	6.982	43	55493	20.428	ug/l	98
38) Carbon Tetrachloride	7.817	117	137873	19.630	ug/l	99
39) Methylcyclohexane	9.103	83	159285	18.705	ug/l	99
40) Benzene	8.079	78	405603	20.350	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081525\
 Data File : VY023113.D
 Acq On : 15 Aug 2025 09:37
 Operator : SY/MD
 Sample : VY0815SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0815SBS01

Quant Time: Aug 18 02:24:07 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 13 02:10:11 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 08/19/2025
 Supervised By :Mahesh Dadoda 08/19/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	28150	17.956	ug/l	90
42) 1,2-Dichloroethane	8.152	62	106658	20.575	ug/l	98
43) Isopropyl Acetate	8.195	43	107344	19.551	ug/l	99
44) Trichloroethene	8.860	130	105377	20.459	ug/l	100
45) 1,2-Dichloropropane	9.140	63	93789	20.451	ug/l	100
46) Dibromomethane	9.231	93	54800	20.819	ug/l	97
47) Bromodichloromethane	9.420	83	141008	20.819	ug/l	100
48) Methyl methacrylate	9.219	41	49562	18.864	ug/l	98
49) 1,4-Dioxane	9.238	88	12370	400.796	ug/l	97
51) 4-Methyl-2-Pentanone	9.994	43	277163	97.864	ug/l	100
52) Toluene	10.170	92	255717	20.201	ug/l	99
53) t-1,3-Dichloropropene	10.390	75	121993	19.890	ug/l	97
54) cis-1,3-Dichloropropene	9.853	75	142316	19.623	ug/l	98
55) 1,1,2-Trichloroethane	10.567	97	71057	20.174	ug/l	98
56) Ethyl methacrylate	10.439	69	86412	19.173	ug/l	98
57) 1,3-Dichloropropane	10.713	76	118549	19.846	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.707	63	208567	98.106	ug/l	100
59) 2-Hexanone	10.756	43	193382	100.277	ug/l	99
60) Dibromochloromethane	10.908	129	93374	20.091	ug/l	99
61) 1,2-Dibromoethane	11.012	107	66622	20.125	ug/l	98
64) Tetrachloroethene	10.646	164	127239	21.773	ug/l	93
65) Chlorobenzene	11.438	112	274616	19.453	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.512	131	93262	19.466	ug/l	98
67) Ethyl Benzene	11.518	91	456905	18.808	ug/l	98
68) m/p-Xylenes	11.627	106	365819	38.555	ug/l	98
69) o-Xylene	11.951	106	165713	18.648	ug/l	98
70) Styrene	11.969	104	281721	19.385	ug/l	99
71) Bromoform	12.127	173	52326	18.687	ug/l #	98
73) Isopropylbenzene	12.249	105	433053	18.755	ug/l	99
74) N-amyl acetate	12.066	43	91104	18.605	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.499	83	71400	18.110	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	61433m	19.457	ug/l	
77) Bromobenzene	12.530	156	104694	19.006	ug/l	97
78) n-propylbenzene	12.591	91	527930	19.204	ug/l	100
79) 2-Chlorotoluene	12.676	91	298409	18.946	ug/l	100
80) 1,3,5-Trimethylbenzene	12.731	105	351759	18.850	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.298	75	24161	18.524	ug/l	95
82) 4-Chlorotoluene	12.774	91	307174	18.799	ug/l	99
83) tert-Butylbenzene	12.993	119	305956	18.153	ug/l	98
84) 1,2,4-Trimethylbenzene	13.042	105	356647	19.199	ug/l	99
85) sec-Butylbenzene	13.170	105	468353	18.917	ug/l	100
86) p-Isopropyltoluene	13.286	119	388353	18.897	ug/l	100
87) 1,3-Dichlorobenzene	13.286	146	206995	19.055	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	207638	19.268	ug/l	99
89) n-Butylbenzene	13.615	91	353333	18.720	ug/l	98
90) Hexachloroethane	13.877	117	82985	19.725	ug/l	97
91) 1,2-Dichlorobenzene	13.658	146	180503	18.946	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.267	75	12160	19.809	ug/l	96
93) 1,2,4-Trichlorobenzene	14.913	180	102405	18.177	ug/l	99
94) Hexachlorobutadiene	15.017	225	61940	18.710	ug/l	98
95) Naphthalene	15.139	128	168145	17.503	ug/l	99
96) 1,2,3-Trichlorobenzene	15.322	180	86860	17.892	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081525\
Data File : VY023113.D
Acq On : 15 Aug 2025 09:37
Operator : SY/MD
Sample : VY0815SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0815SBS01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025

Quant Time: Aug 18 02:24:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

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

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

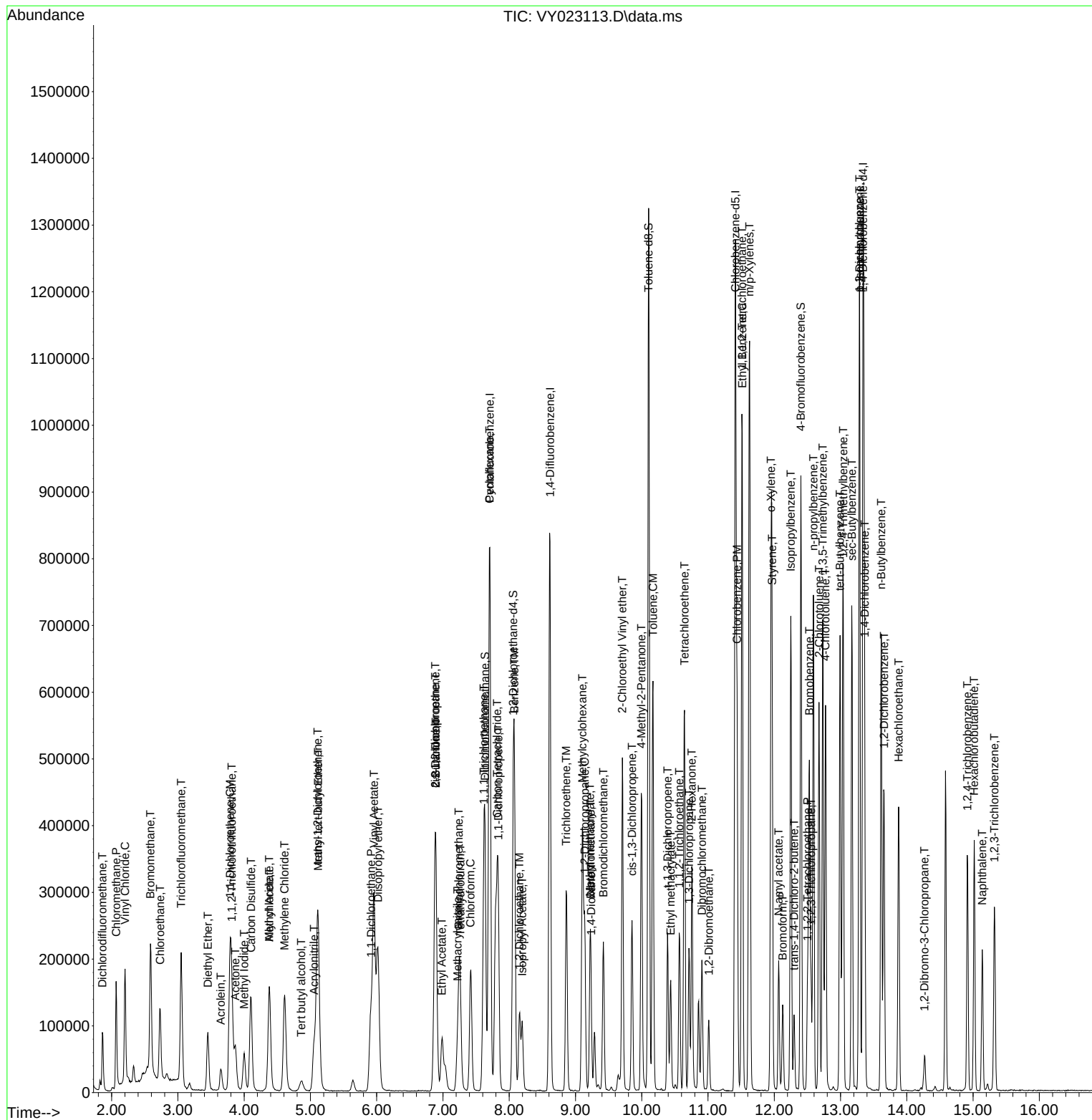
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 Sample : VY0815SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/soil
 ALS Vial : 4 Sample Multiplier: 1

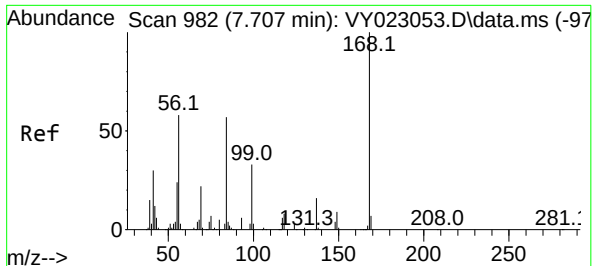
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 MSVOA_Y
 ClientSampleId :
 VY0815SBS01

Quant Time: Aug 18 02:24:07 2025
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 Quant Title : SW846 8260
 QLast Update : Wed Aug 13 02:10:11 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 08/19/2025
 Supervised By : Mahesh Dadoda 08/19/2025





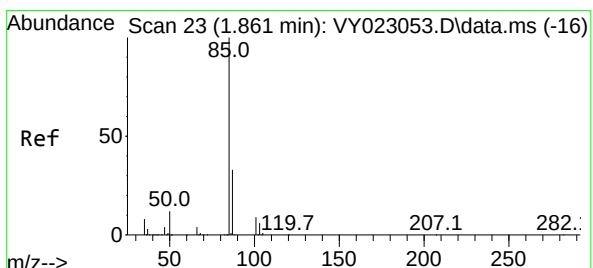
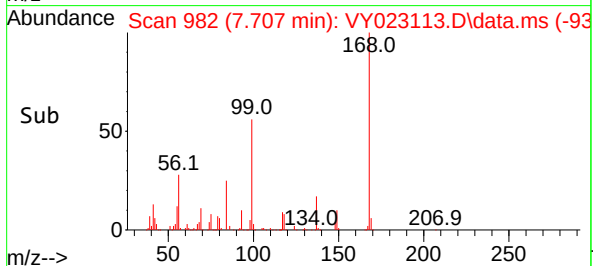
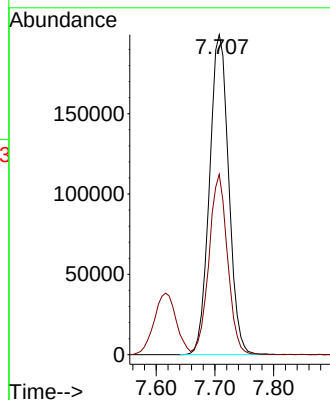
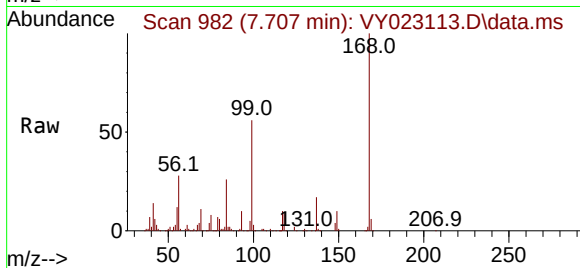
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY023113.D
Acq: 15 Aug 2025 09:37

Instrument :
MSVOA_Y
ClientSampleId :
VY0815SBS01

Tgt Ion:168 Resp: 45240
Ion Ratio Lower Upper
168 100
99 56.3 42.8 64.2

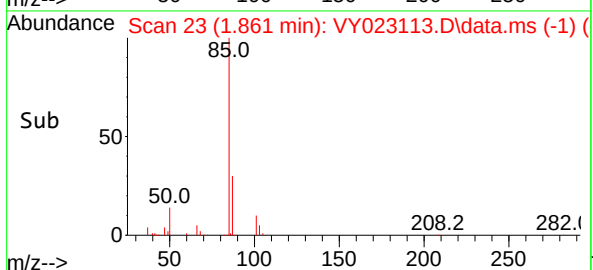
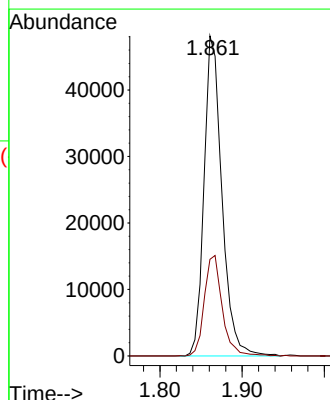
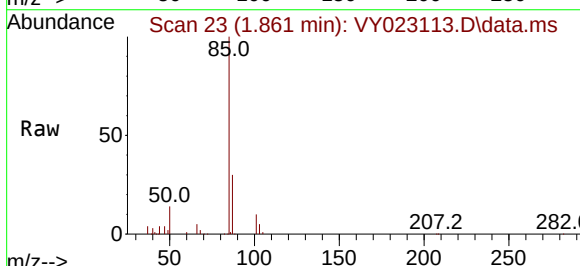
Manual Integrations
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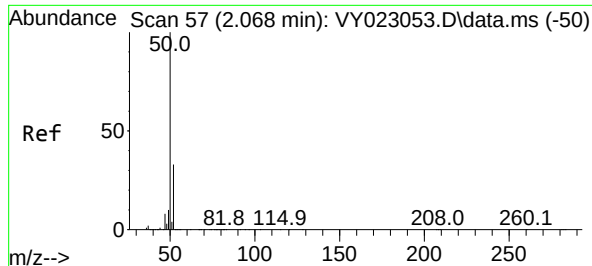
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025



#2
Dichlorodifluoromethane
Concen: 19.678 ug/l
RT: 1.861 min Scan# 23
Delta R.T. 0.000 min
Lab File: VY023113.D
Acq: 15 Aug 2025 09:37

Tgt Ion: 85 Resp: 72666
Ion Ratio Lower Upper
85 100
87 30.2 16.6 49.8





#3

Chloromethane

Concen: 22.242 ug/l

RT: 2.068 min Scan# 51

Delta R.T. 0.000 min

Lab File: VY023113.D

Acq: 15 Aug 2025 09:37

Instrument :

MSVOA_Y

ClientSampleId :

VY0815SBS01

Tgt Ion: 50 Resp: 13303

Ion Ratio Lower Upper

50 100

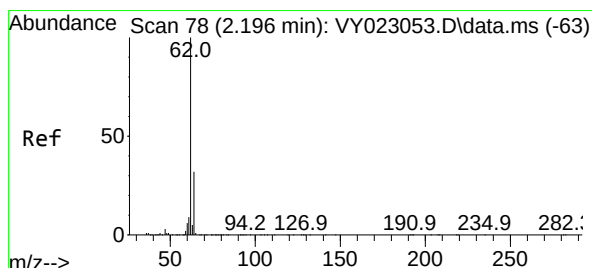
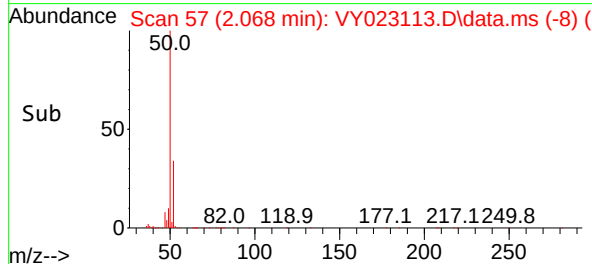
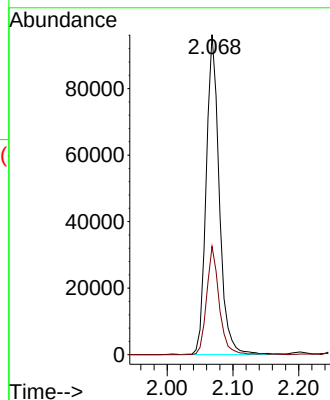
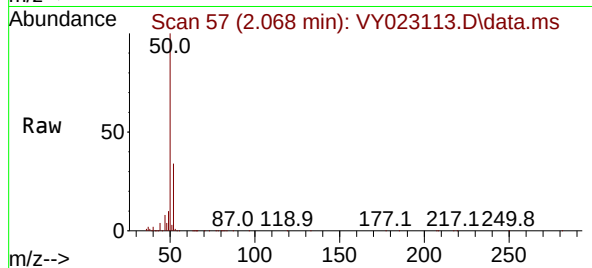
52 33.9 26.7 40.1

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 08/19/2025

Supervised By :Mahesh Dadoda 08/19/2025



#4

Vinyl Chloride

Concen: 22.514 ug/l

RT: 2.202 min Scan# 79

Delta R.T. 0.006 min

Lab File: VY023113.D

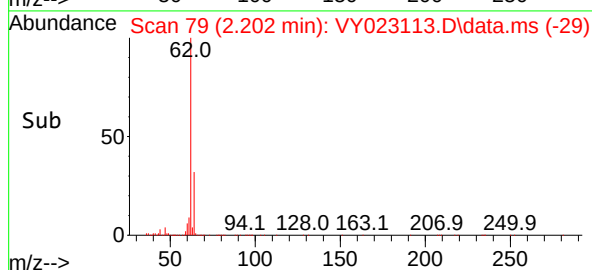
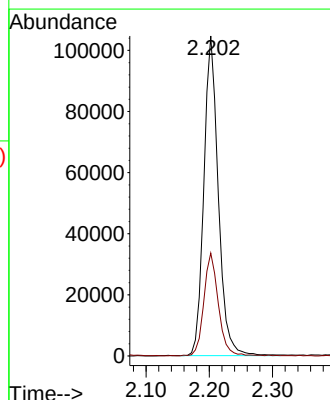
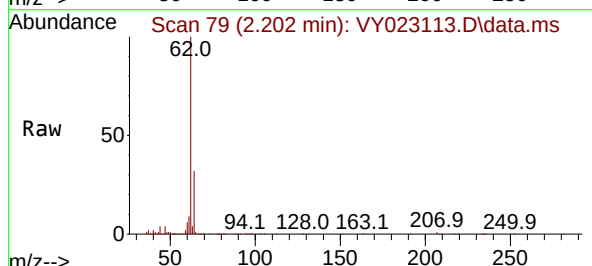
Acq: 15 Aug 2025 09:37

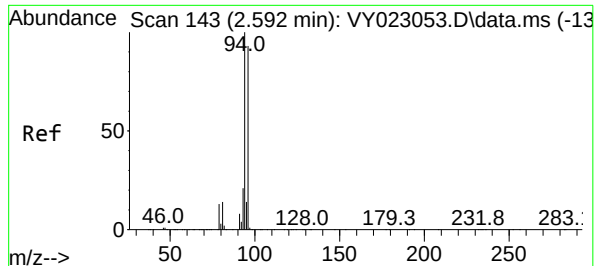
Tgt Ion: 62 Resp: 166453

Ion Ratio Lower Upper

62 100

64 32.1 25.4 38.0





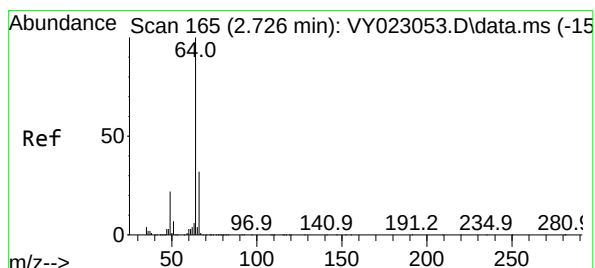
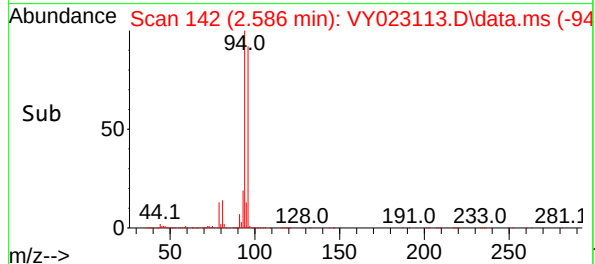
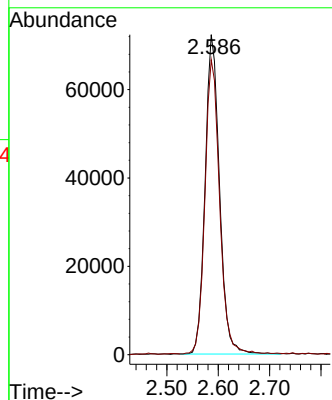
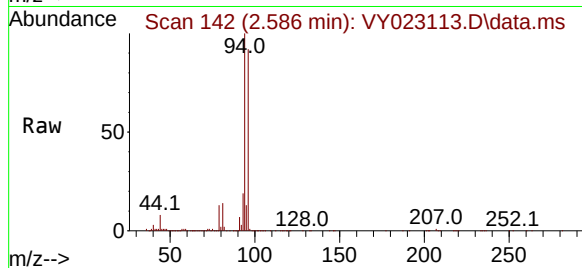
#5
Bromomethane
Concen: 25.487 ug/l
RT: 2.586 min Scan# 143
Delta R.T. -0.006 min
Lab File: VY023113.D
Acq: 15 Aug 2025 09:37

Instrument :
MSVOA_Y
ClientSampleId :
VY0815SBS01

Tgt Ion: 94 Resp: 14073
Ion Ratio Lower Upper
94 100
96 92.1 74.6 112.0

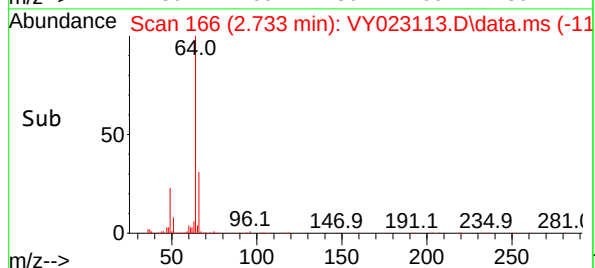
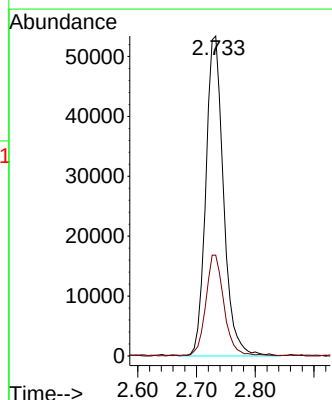
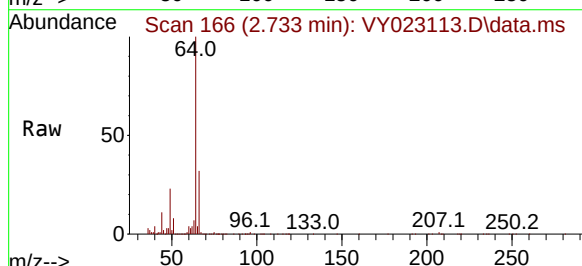
Manual Integrations
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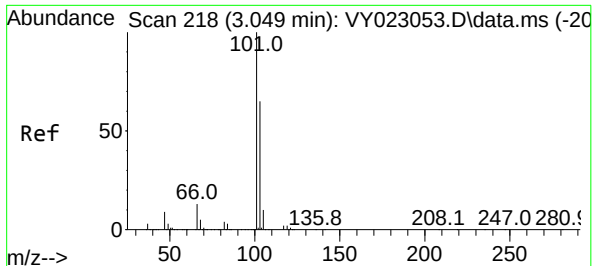
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025



#6
Chloroethane
Concen: 22.732 ug/l
RT: 2.733 min Scan# 166
Delta R.T. 0.006 min
Lab File: VY023113.D
Acq: 15 Aug 2025 09:37

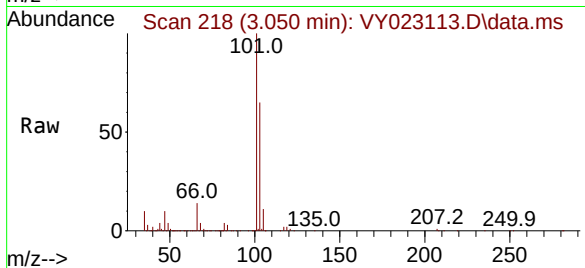
Tgt Ion: 64 Resp: 111737
Ion Ratio Lower Upper
64 100
66 31.3 25.8 38.6





#7
Trichlorofluoromethane
Concen: 21.094 ug/l
RT: 3.050 min Scan# 218
Delta R.T. 0.000 min
Lab File: VY023113.D
Acq: 15 Aug 2025 09:37

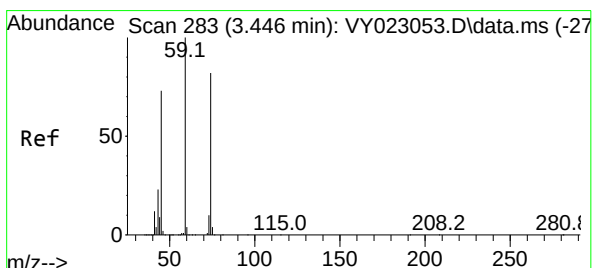
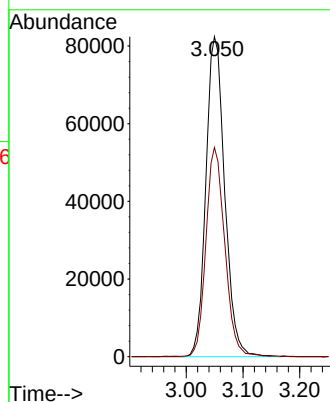
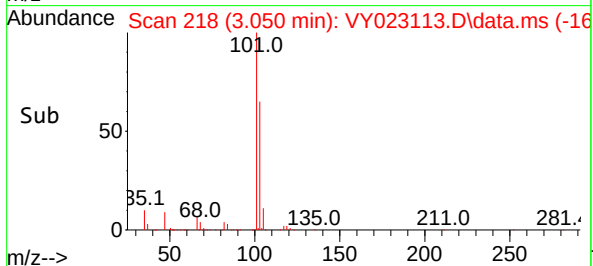
Instrument :
MSVOA_Y
ClientSampleId :
VY0815SBS01



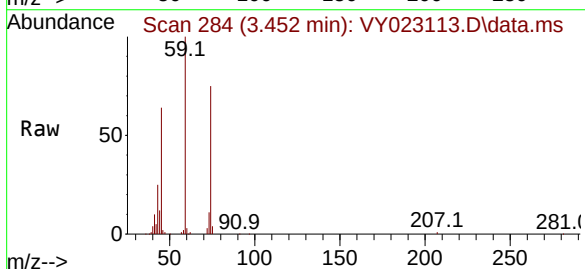
Tgt Ion: 101 Resp: 189630
Ion Ratio Lower Upper
101 100
103 65.3 51.9 77.9

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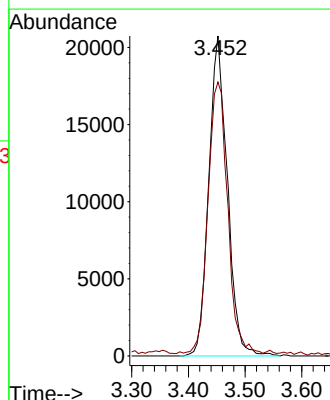
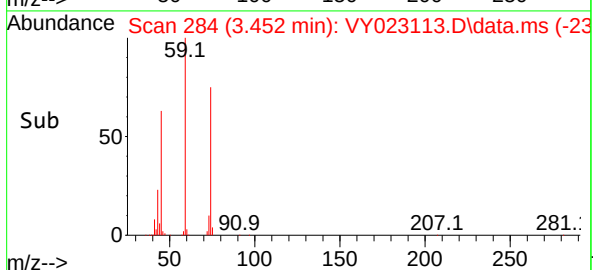
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025

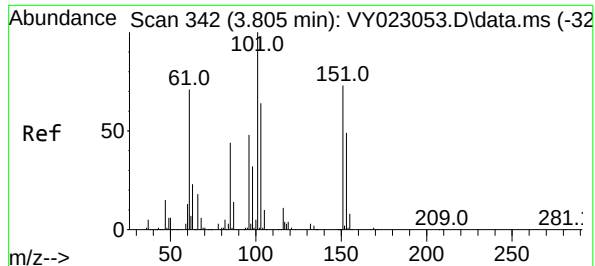


#8
Diethyl Ether
Concen: 19.855 ug/l
RT: 3.452 min Scan# 284
Delta R.T. 0.006 min
Lab File: VY023113.D
Acq: 15 Aug 2025 09:37



Tgt Ion: 74 Resp: 47224
Ion Ratio Lower Upper
74 100
45 89.4 44.4 133.2





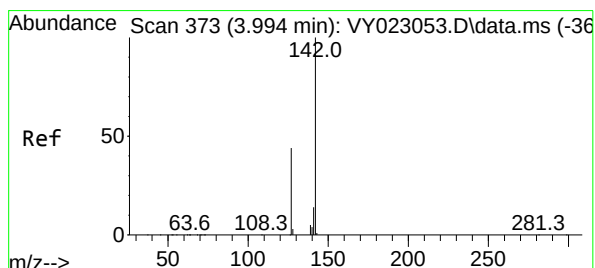
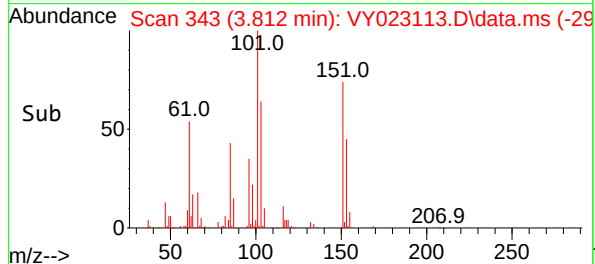
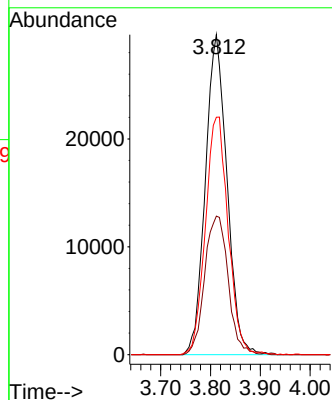
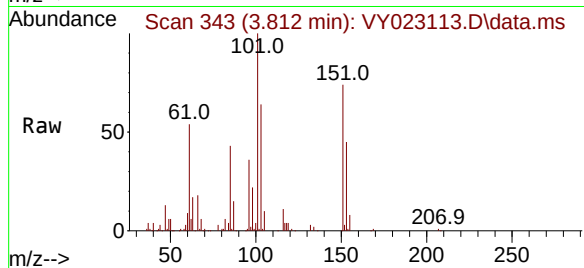
#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.173 ug/l
RT: 3.812 min Scan# 342
Delta R.T. 0.006 min
Lab File: VY023113.D
Acq: 15 Aug 2025 09:37

Instrument :
MSVOA_Y
ClientSampleId :
VY0815SBS01

Tgt Ion:101 Resp: 8947
Ion Ratio Lower Upper
101 100
85 46.8 36.3 54.5
151 78.1 61.5 92.3

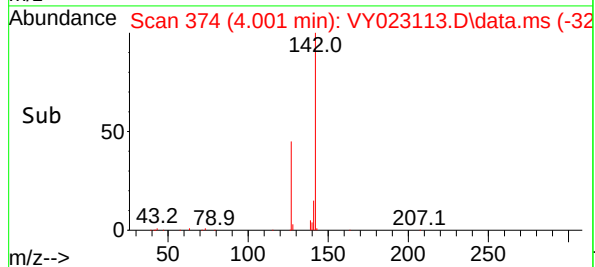
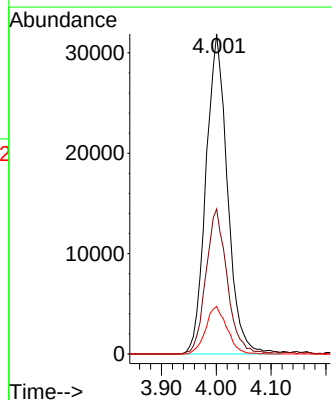
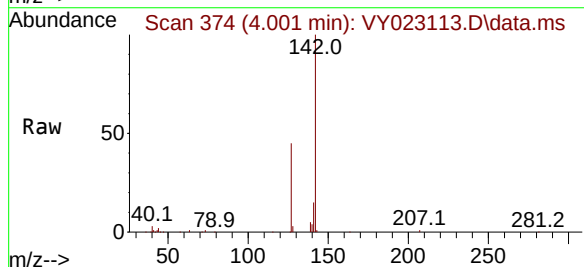
Manual Integrations
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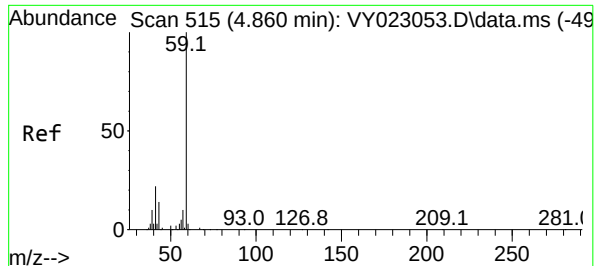
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025



#10
Methyl Iodide
Concen: 18.122 ug/l
RT: 4.001 min Scan# 374
Delta R.T. 0.006 min
Lab File: VY023113.D
Acq: 15 Aug 2025 09:37

Tgt Ion:142 Resp: 86732
Ion Ratio Lower Upper
142 100
127 44.8 34.9 52.3
141 14.7 11.3 16.9





#11

Tert butyl alcohol

Concen: 94.376 ug/l

RT: 4.860 min Scan# 515

Delta R.T. 0.000 min

Lab File: VY023113.D

Acq: 15 Aug 2025 09:37

Instrument :

MSVOA_Y

ClientSampleId :

VY0815SBS01

Tgt Ion: 59 Resp: 2788

Ion Ratio Lower Upper

59 100

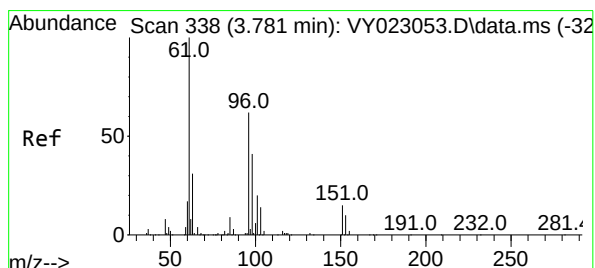
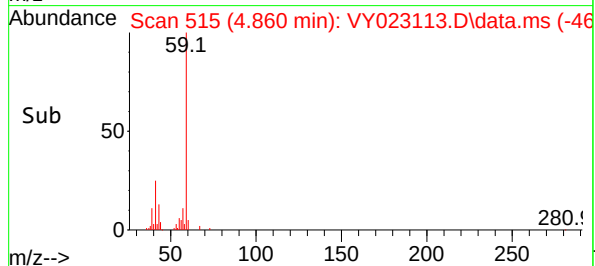
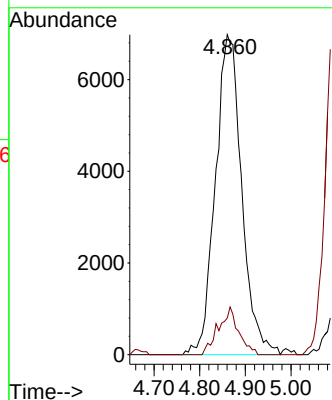
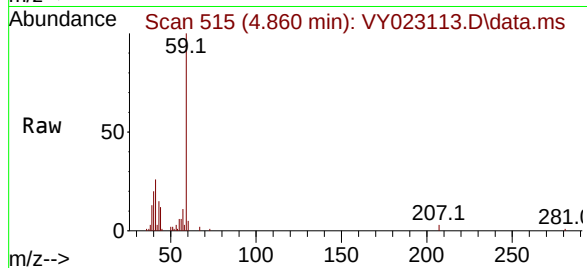
57 11.3 8.6 13.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/19/2025

Supervised By :Mahesh Dadoda 08/19/2025



#12

1,1-Dichloroethene

Concen: 19.775 ug/l

RT: 3.787 min Scan# 339

Delta R.T. 0.006 min

Lab File: VY023113.D

Acq: 15 Aug 2025 09:37

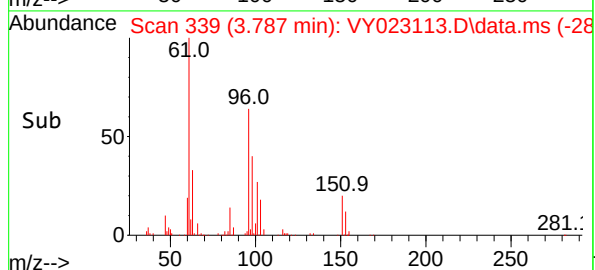
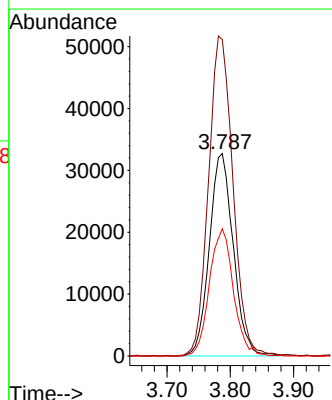
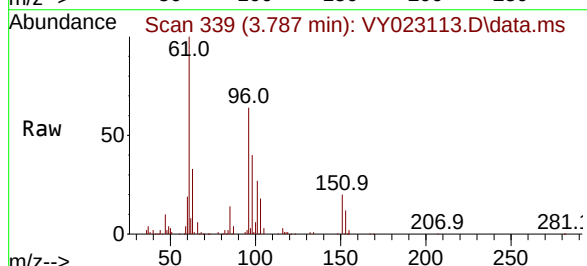
Tgt Ion: 96 Resp: 86211

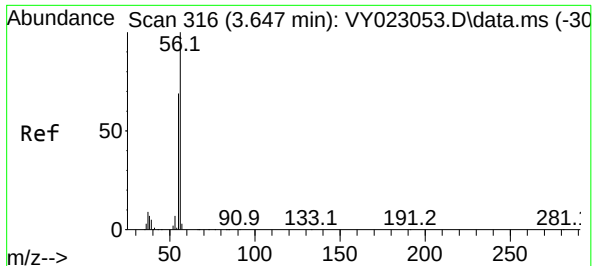
Ion Ratio Lower Upper

96 100

61 156.1 129.4 194.2

98 62.8 52.8 79.2





#13

Acrolein

Concen: 89.841 ug/l

RT: 3.647 min Scan# 316

Delta R.T. 0.000 min

Lab File: VY023113.D

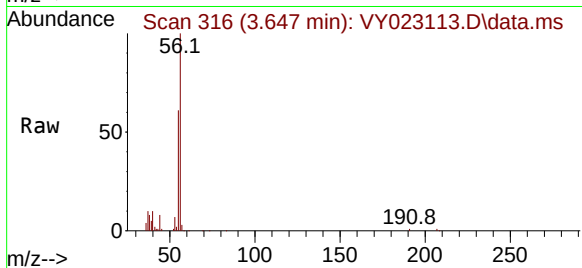
Acq: 15 Aug 2025 09:37

Instrument :

MSVOA_Y

ClientSampleId :

VY0815SBS01



Tgt Ion: 56 Resp: 3887

Ion Ratio Lower Upper

56 100

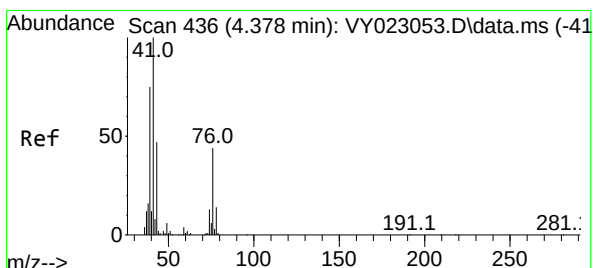
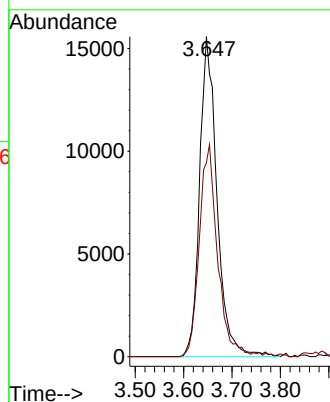
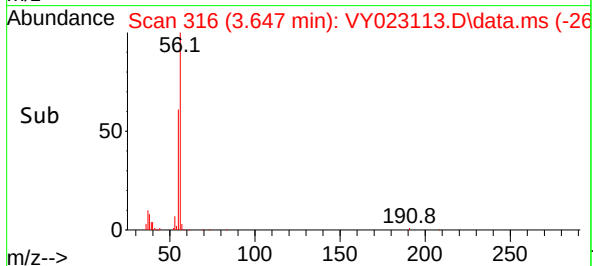
55 69.2 55.2 82.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/19/2025

Supervised By :Mahesh Dadoda 08/19/2025



#14

Allyl chloride

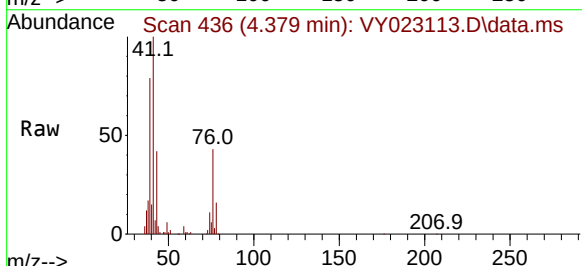
Concen: 19.175 ug/l

RT: 4.379 min Scan# 436

Delta R.T. 0.000 min

Lab File: VY023113.D

Acq: 15 Aug 2025 09:37



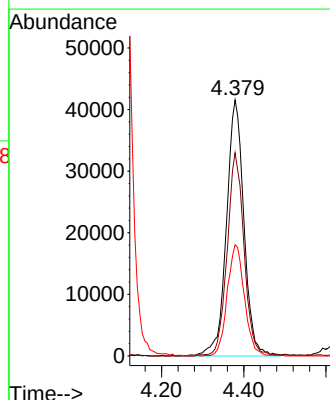
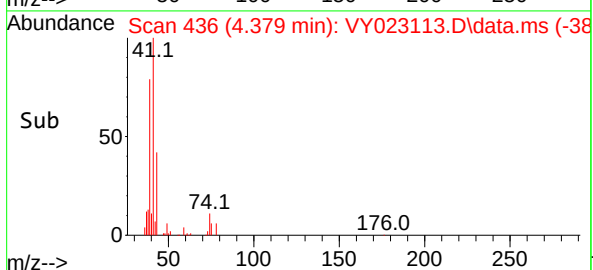
Tgt Ion: 41 Resp: 123002

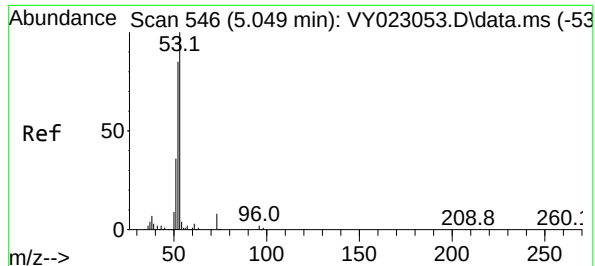
Ion Ratio Lower Upper

41 100

39 76.3 59.8 89.6

76 42.7 33.7 50.5





#15

Acrylonitrile

Concen: 100.413 ug/l

RT: 5.055 min Scan# 546

Delta R.T. 0.006 min

Lab File: VY023113.D

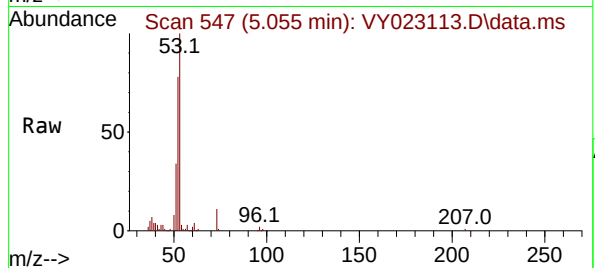
Acq: 15 Aug 2025 09:37

Instrument :

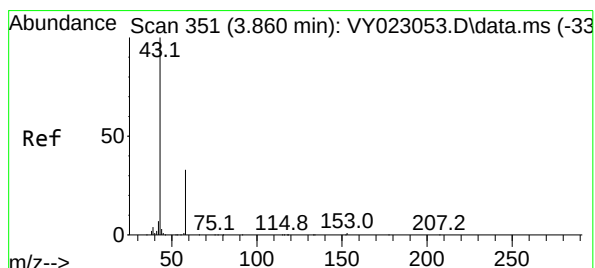
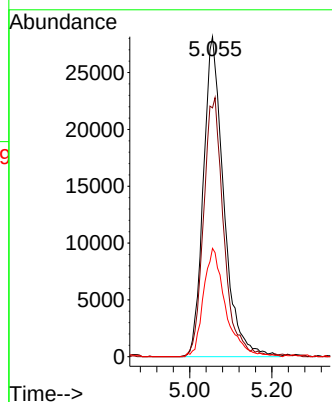
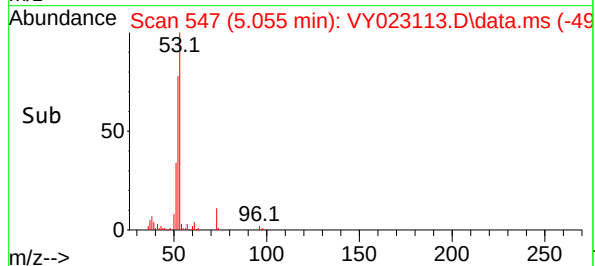
MSVOA_Y

ClientSampleId :

VY0815SBS01



Tgt Ion:	53	Resp:	97090
Ion	Ratio	Lower	Upper
53	100		
52	79.8	65.3	97.9
51	36.7	29.5	44.3

Manual Integrations
APPROVEDReviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025

#16

Acetone

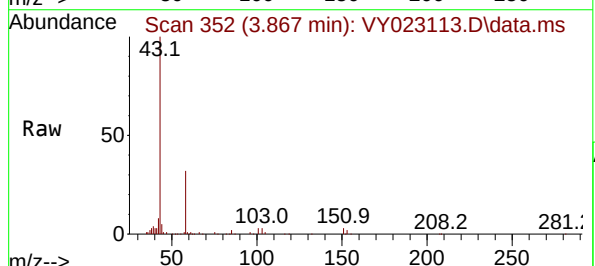
Concen: 113.526 ug/l

RT: 3.867 min Scan# 352

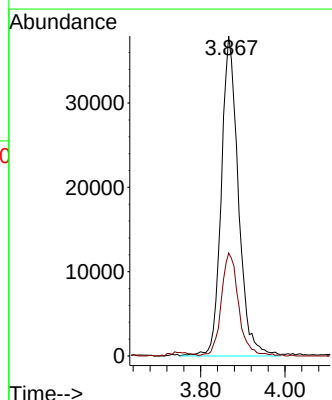
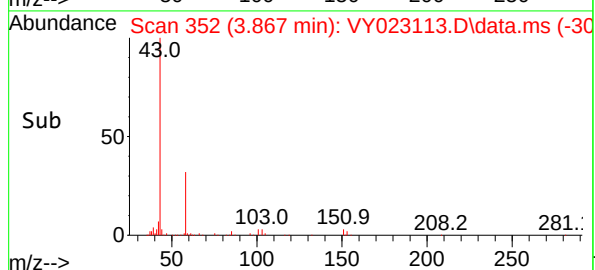
Delta R.T. 0.006 min

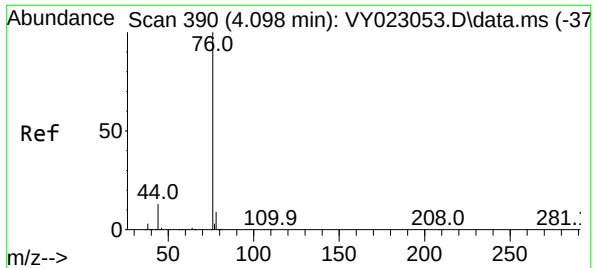
Lab File: VY023113.D

Acq: 15 Aug 2025 09:37



Tgt Ion:	43	Resp:	106046
Ion	Ratio	Lower	Upper
43	100		
58	31.8	27.1	40.7





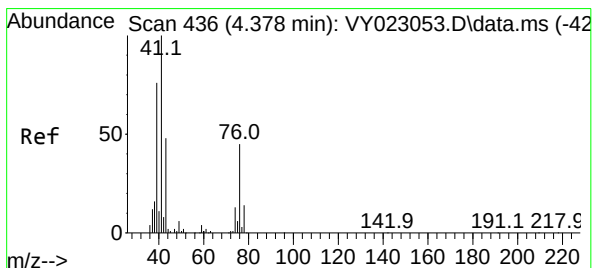
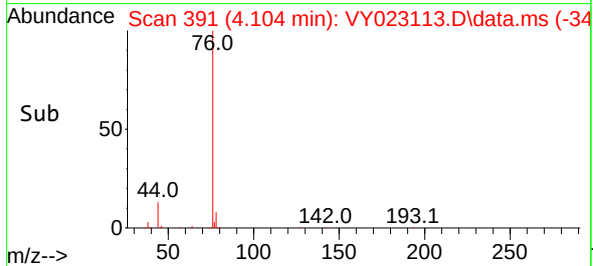
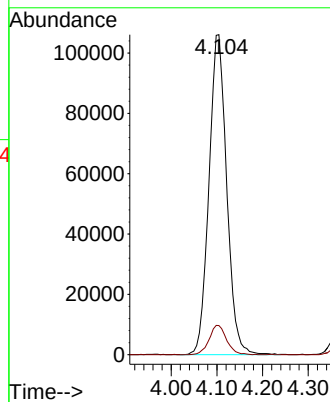
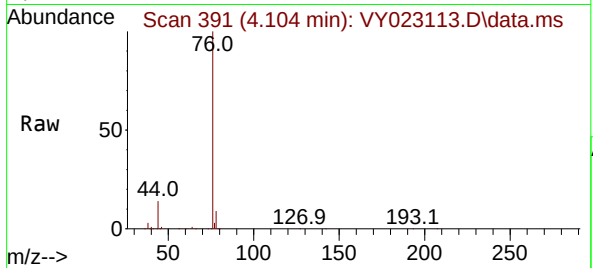
#17
Carbon Disulfide
Concen: 20.117 ug/l
RT: 4.104 min Scan# 391
Delta R.T. 0.006 min
Lab File: VY023113.D
Acq: 15 Aug 2025 09:37

Instrument :
MSVOA_Y
ClientSampleId :
VY0815SBS01

Tgt Ion: 76 Resp: 285962
Ion Ratio Lower Upper
76 100
78 9.1 7.4 11.2

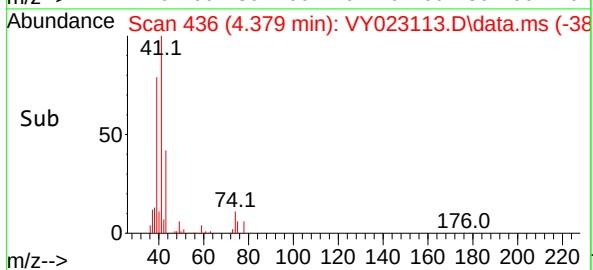
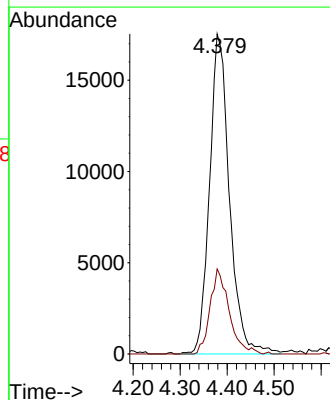
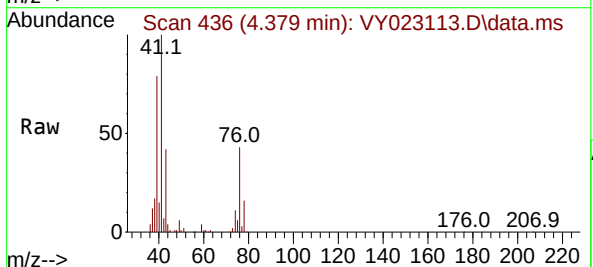
Manual Integrations
APPROVED

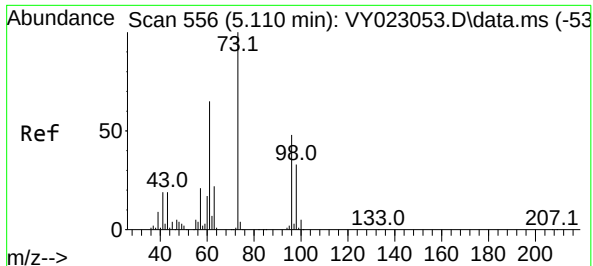
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025



#18
Methyl Acetate
Concen: 18.549 ug/l
RT: 4.379 min Scan# 436
Delta R.T. 0.000 min
Lab File: VY023113.D
Acq: 15 Aug 2025 09:37

Tgt Ion: 43 Resp: 51562
Ion Ratio Lower Upper
43 100
74 25.4 21.2 31.8





#19

Methyl tert-butyl Ether

Concen: 19.548 ug/l

RT: 5.116 min Scan# 51

Delta R.T. 0.006 min

Lab File: VY023113.D

Acq: 15 Aug 2025 09:37

Instrument :

MSVOA_Y

ClientSampleId :

VY0815SBS01

Tgt Ion: 73 Resp: 22083

Ion Ratio Lower Upper

73 100

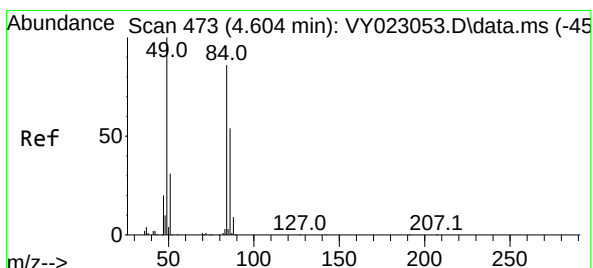
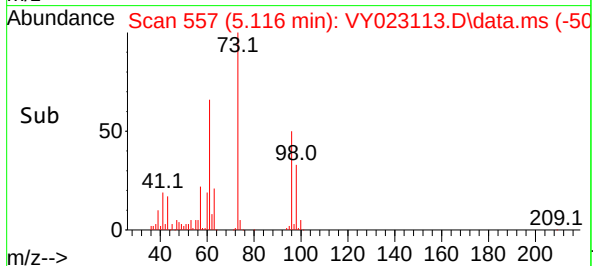
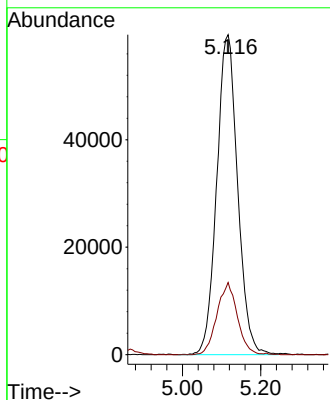
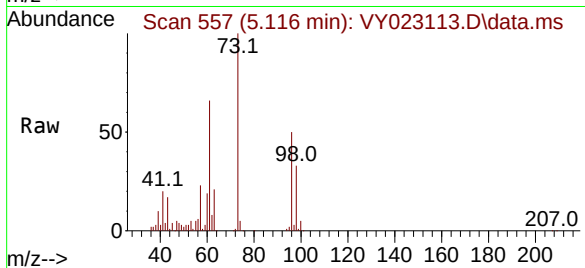
57 22.5 17.1 25.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/19/2025

Supervised By :Mahesh Dadoda 08/19/2025



#20

Methylene Chloride

Concen: 20.808 ug/l

RT: 4.610 min Scan# 474

Delta R.T. 0.006 min

Lab File: VY023113.D

Acq: 15 Aug 2025 09:37

Tgt Ion: 84 Resp: 108703

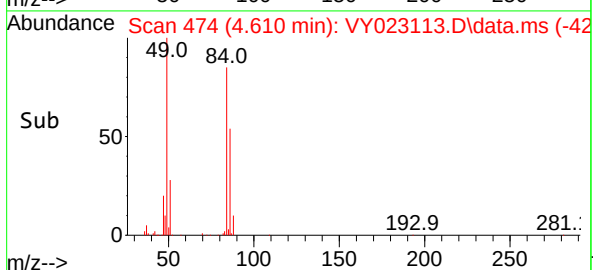
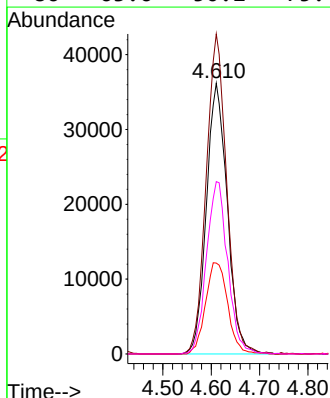
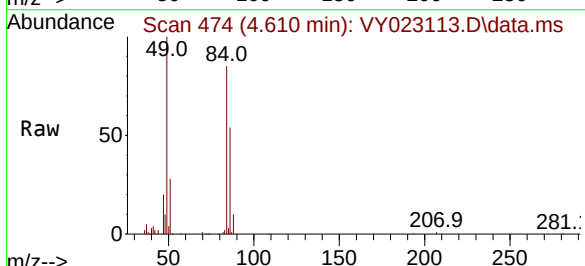
Ion Ratio Lower Upper

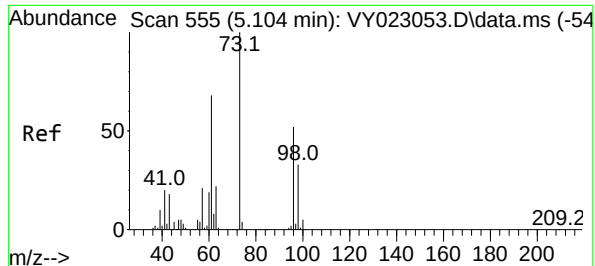
84 100

49 118.2 93.0 139.6

51 33.5 29.0 43.4

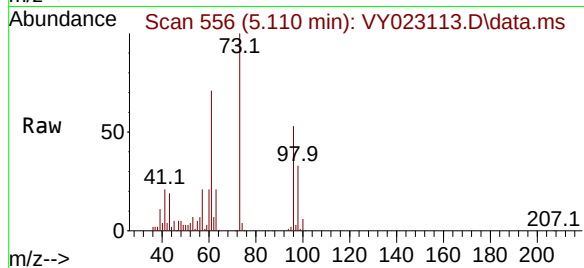
86 63.6 50.2 75.4





#21
trans-1,2-Dichloroethene
Concen: 19.907 ug/l
RT: 5.110 min Scan# 5110
Delta R.T. 0.006 min
Lab File: VY023113.D
Acq: 15 Aug 2025 09:37

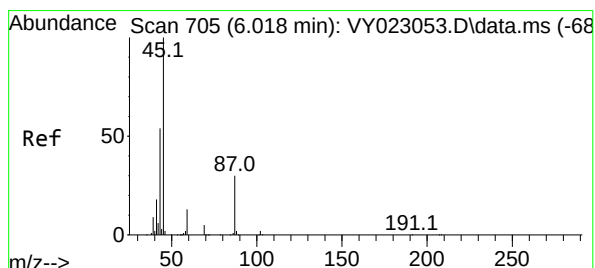
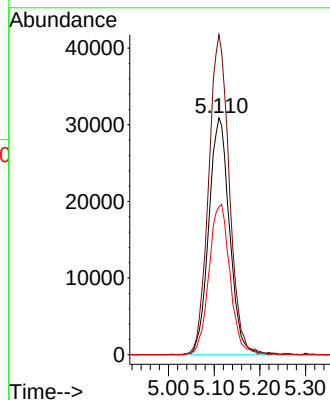
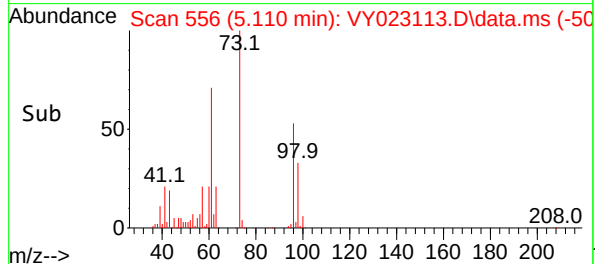
Instrument :
MSVOA_Y
ClientSampleId :
VY0815SBS01



Tgt Ion: 96 Resp: 9753
Ion Ratio Lower Upper
96 100
61 135.1 104.8 157.2
98 62.3 50.1 75.1

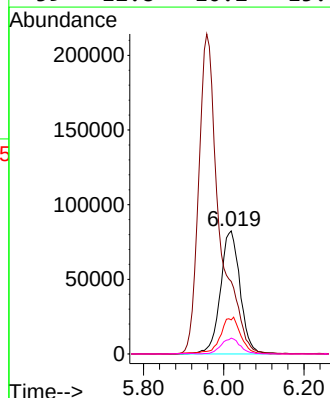
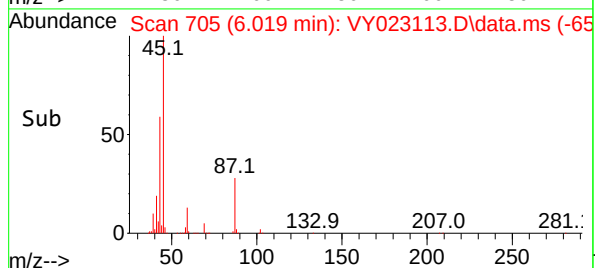
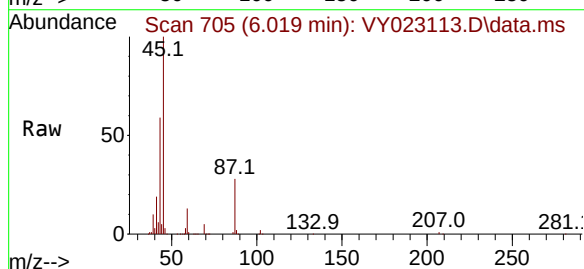
Manual Integrations
APPROVED

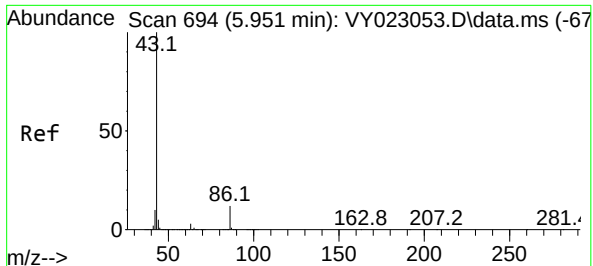
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025



#22
Diisopropyl ether
Concen: 20.129 ug/l
RT: 6.019 min Scan# 705
Delta R.T. 0.000 min
Lab File: VY023113.D
Acq: 15 Aug 2025 09:37

Tgt Ion: 45 Resp: 280592
Ion Ratio Lower Upper
45 100
43 58.6 43.4 65.0
87 27.7 24.4 36.6
59 12.8 10.2 15.4





#23

Vinyl Acetate

Concen: 99.534 ug/l

RT: 5.958 min Scan# 694

Delta R.T. 0.006 min

Lab File: VY023113.D

Acq: 15 Aug 2025 09:37

Instrument :

MSVOA_Y

ClientSampleId :

VY0815SBS01

Tgt Ion: 43 Resp: 767180

Ion Ratio Lower Upper

43

100

86

11.2

9.6

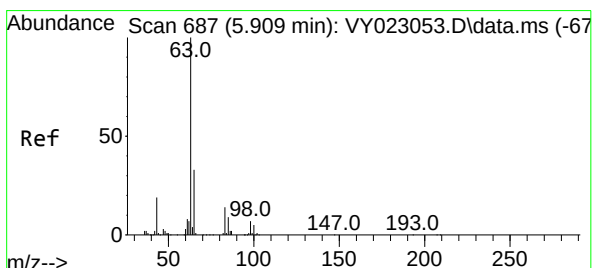
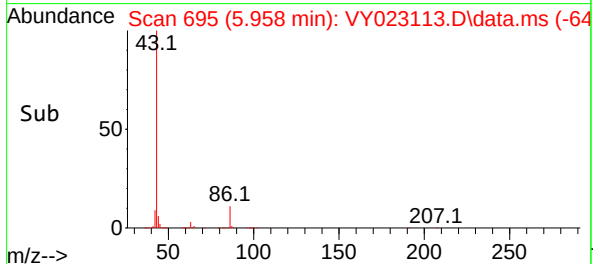
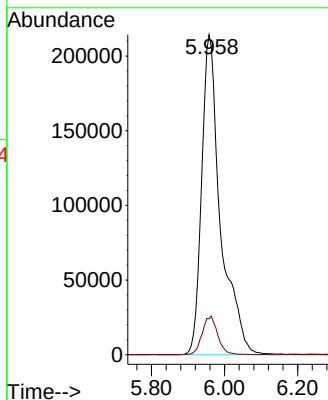
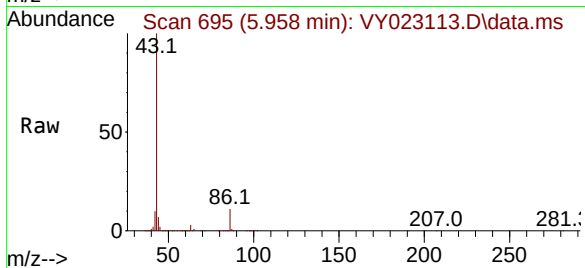
14.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/19/2025

Supervised By :Mahesh Dadoda 08/19/2025



#24

1,1-Dichloroethane

Concen: 20.377 ug/l

RT: 5.915 min Scan# 688

Delta R.T. 0.006 min

Lab File: VY023113.D

Acq: 15 Aug 2025 09:37

Tgt Ion: 63 Resp: 173658

Ion Ratio Lower Upper

63

100

98

7.0

3.5

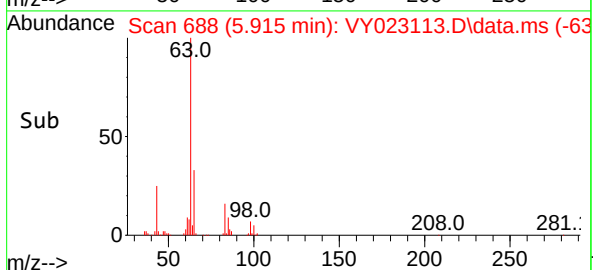
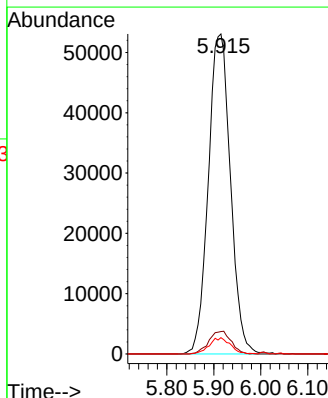
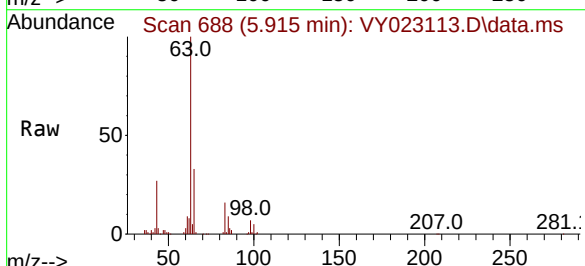
10.6

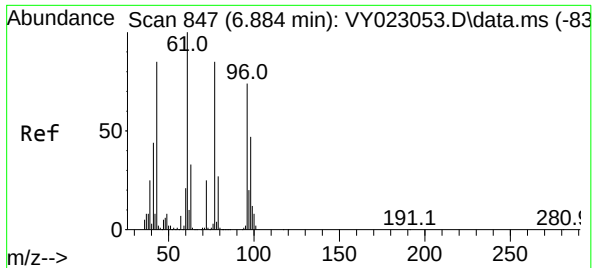
100

5.1

2.4

7.1





#25

2-Butanone

Concen: 105.206 ug/l

RT: 6.890 min Scan# 84

Delta R.T. 0.006 min

Lab File: VY023113.D

Acq: 15 Aug 2025 09:37

Instrument :

MSVOA_Y

ClientSampleId :

VY0815SBS01

Tgt Ion: 43 Resp: 133650

Ion Ratio Lower Upper

43

100

72

29.3

23.5

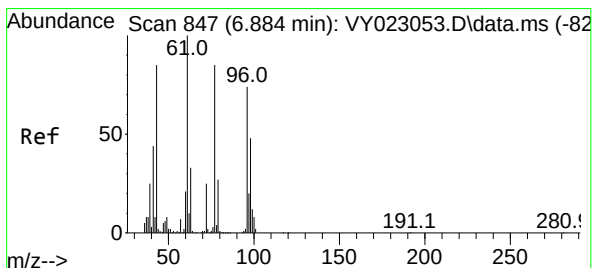
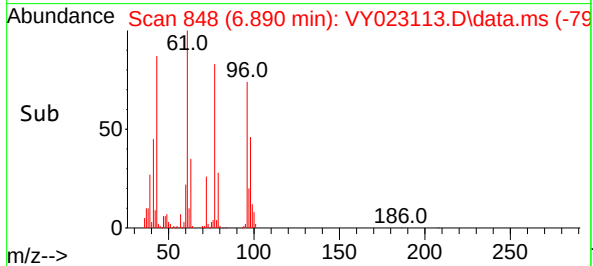
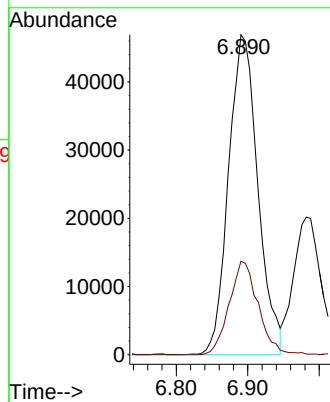
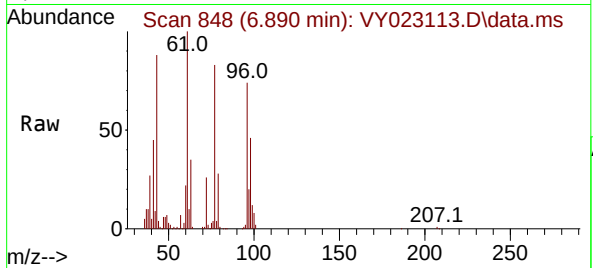
35.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/19/2025

Supervised By :Mahesh Dadoda 08/19/2025



#26

2,2-Dichloropropane

Concen: 20.319 ug/l

RT: 6.884 min Scan# 847

Delta R.T. 0.000 min

Lab File: VY023113.D

Acq: 15 Aug 2025 09:37

Tgt Ion: 77 Resp: 149423

Ion Ratio Lower Upper

77

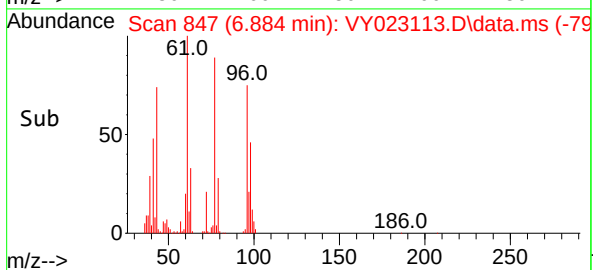
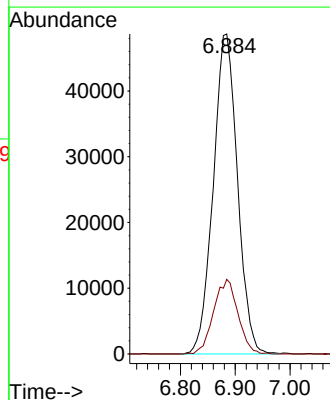
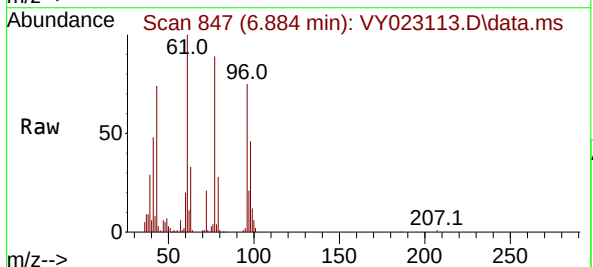
100

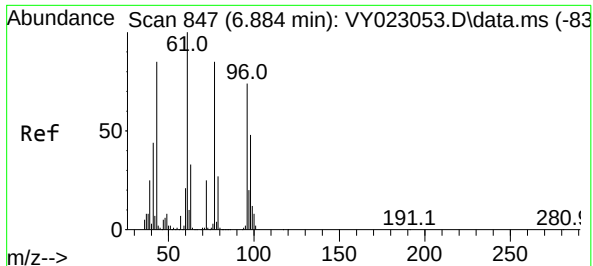
97

23.4

11.6

34.8





#27

cis-1,2-Dichloroethene

Concen: 20.058 ug/l

RT: 6.884 min Scan# 847

Delta R.T. 0.000 min

Lab File: VY023113.D

Acq: 15 Aug 2025 09:37

Instrument :

MSVOA_Y

ClientSampleId :

VY0815SBS01

Tgt Ion: 96 Resp: 11360

Ion Ratio Lower Upper

96 100

61 136.9 0.0 278.6

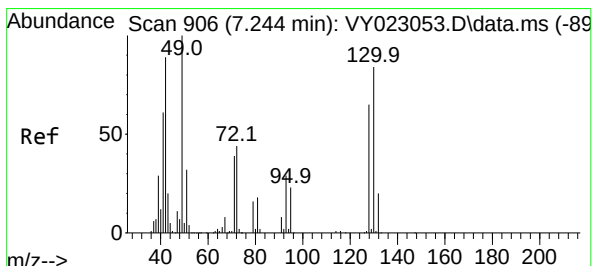
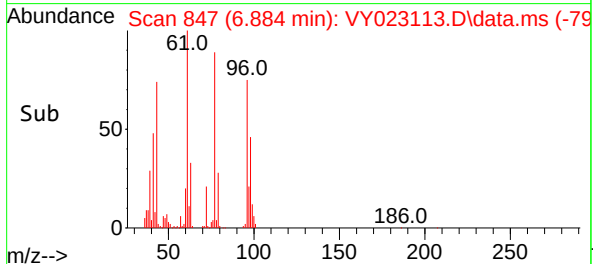
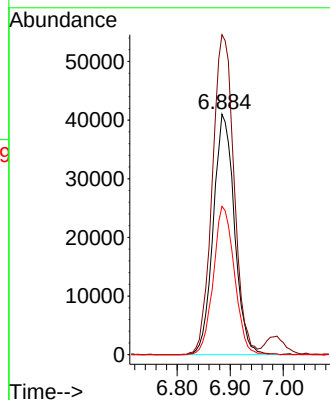
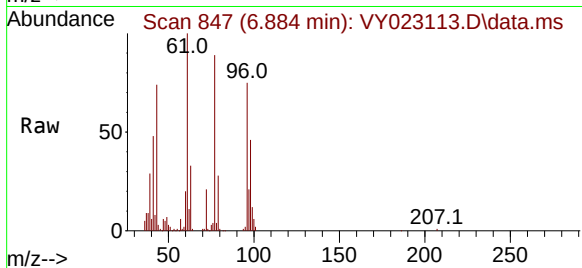
98 61.6 0.0 130.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/19/2025

Supervised By :Mahesh Dadoda 08/19/2025



#28

Bromochloromethane

Concen: 21.919 ug/l

RT: 7.238 min Scan# 905

Delta R.T. -0.006 min

Lab File: VY023113.D

Acq: 15 Aug 2025 09:37

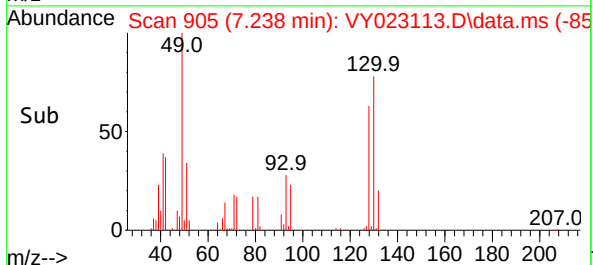
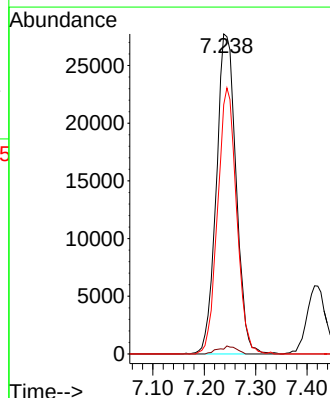
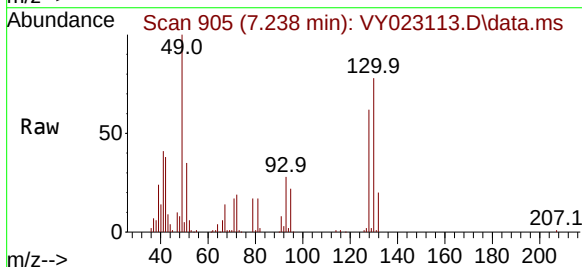
Tgt Ion: 49 Resp: 74111

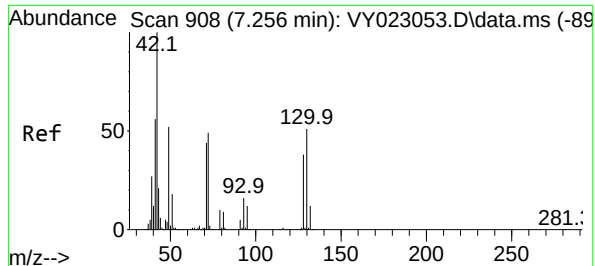
Ion Ratio Lower Upper

49 100

129 2.3 0.0 4.2

130 79.7 66.4 99.6





#29

Tetrahydrofuran

Concen: 97.884 ug/l

RT: 7.262 min Scan# 908

Delta R.T. 0.006 min

Lab File: VY023113.D

Acq: 15 Aug 2025 09:37

Instrument :

MSVOA_Y

ClientSampleId :

VY0815SBS01

Tgt Ion: 42 Resp: 7708

Ion Ratio Lower Upper

42 100

72 48.1 39.4 59.2

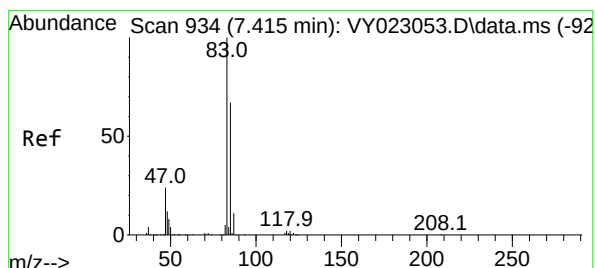
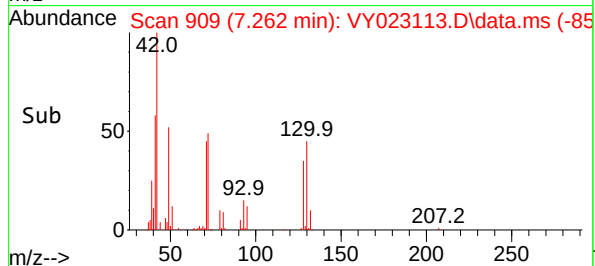
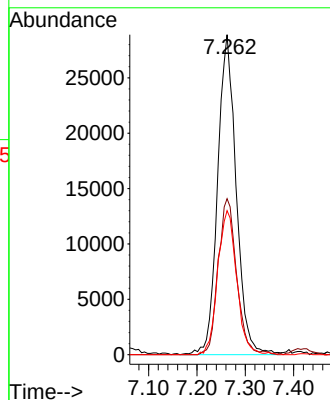
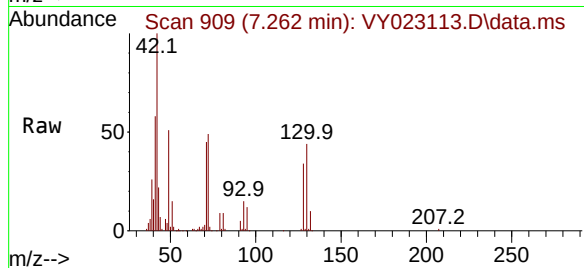
71 45.7 36.5 54.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/19/2025

Supervised By :Mahesh Dadoda 08/19/2025



#30

Chloroform

Concen: 20.909 ug/l

RT: 7.415 min Scan# 934

Delta R.T. 0.000 min

Lab File: VY023113.D

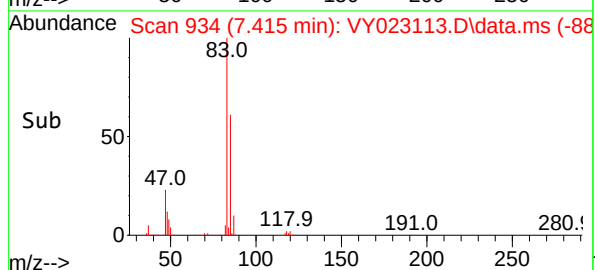
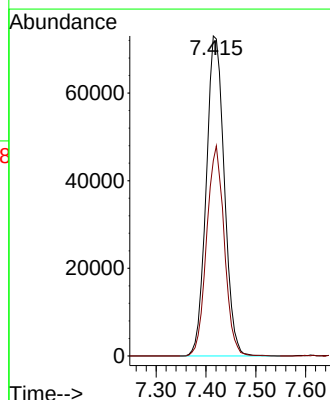
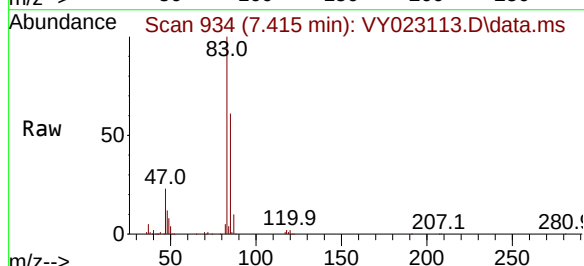
Acq: 15 Aug 2025 09:37

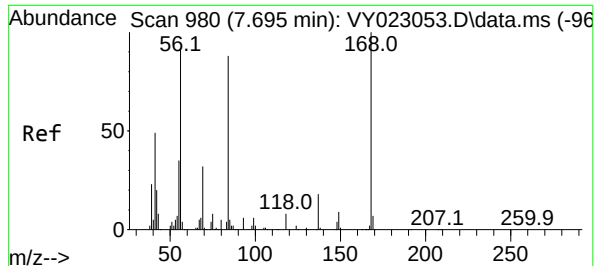
Tgt Ion: 83 Resp: 183779

Ion Ratio Lower Upper

83 100

85 61.1 53.8 80.8





#31

Cyclohexane

Concen: 18.902 ug/l

RT: 7.701 min Scan# 981

Delta R.T. 0.006 min

Lab File: VY023113.D

Acq: 15 Aug 2025 09:37

Instrument :

MSVOA_Y

ClientSampleId :

VY0815SBS01

Tgt Ion: 56 Resp: 151804

Ion Ratio Lower Upper

56 100

69 41.4 28.2 42.2

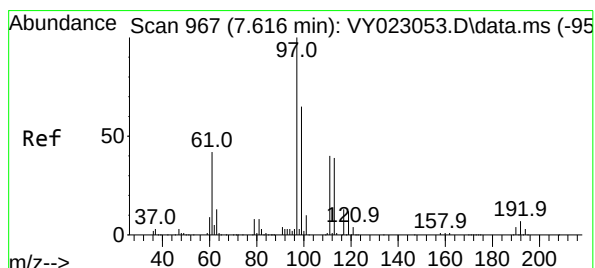
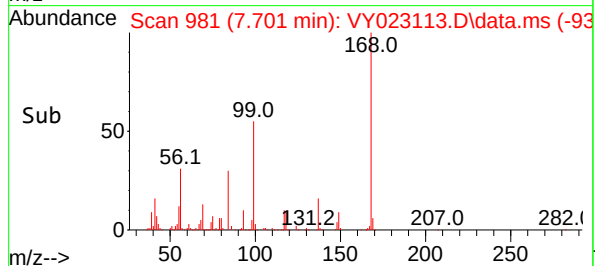
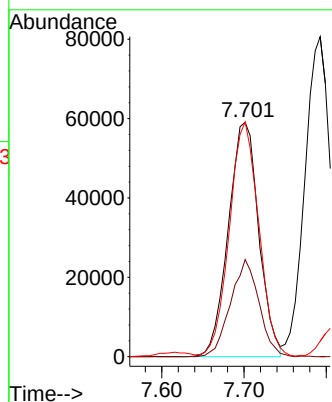
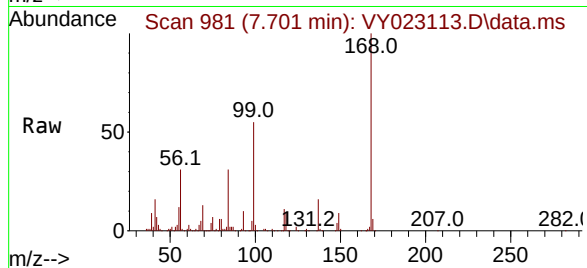
84 98.5 76.6 114.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/19/2025

Supervised By :Mahesh Dadoda 08/19/2025



#32

1,1,1-Trichloroethane

Concen: 20.254 ug/l

RT: 7.616 min Scan# 967

Delta R.T. 0.000 min

Lab File: VY023113.D

Acq: 15 Aug 2025 09:37

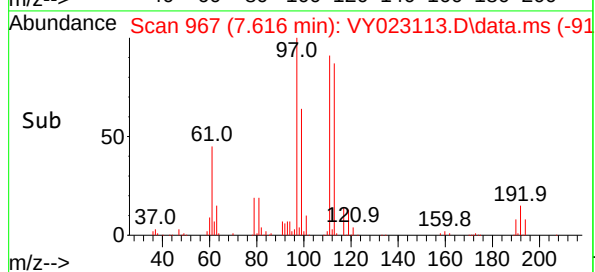
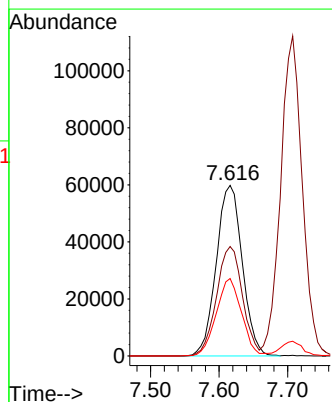
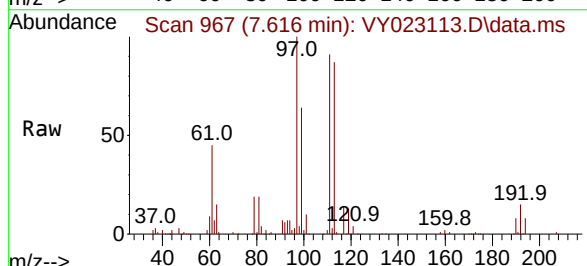
Tgt Ion: 97 Resp: 157956

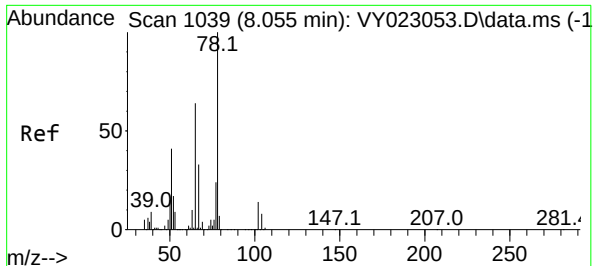
Ion Ratio Lower Upper

97 100

99 63.7 51.6 77.4

61 43.9 34.2 51.2





#33

1,2-Dichloroethane-d4

Concen: 51.692 ug/l

RT: 8.061 min Scan# 110

Delta R.T. 0.006 min

Lab File: VY023113.D

Acq: 15 Aug 2025 09:37

Instrument :

MSVOA_Y

ClientSampleId :

VY0815SBS01

Tgt Ion: 65 Resp: 22288

Ion Ratio Lower Upper

65 100

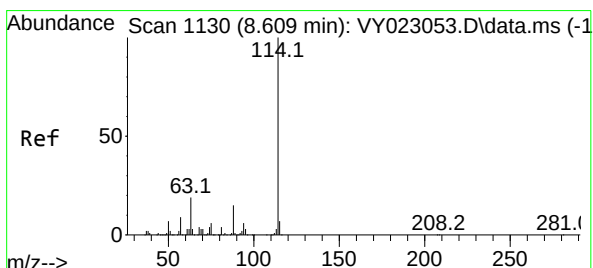
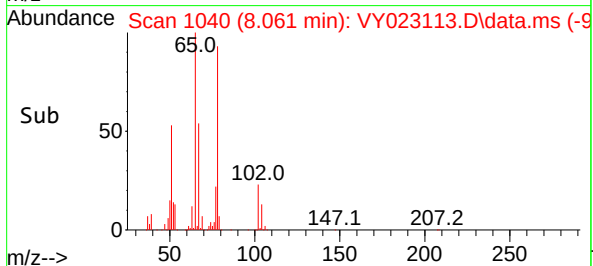
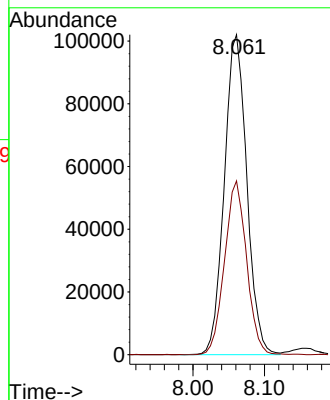
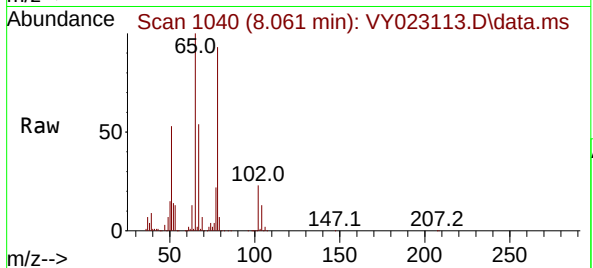
67 53.2 0.0 106.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/19/2025

Supervised By :Mahesh Dadoda 08/19/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.006 min

Lab File: VY023113.D

Acq: 15 Aug 2025 09:37

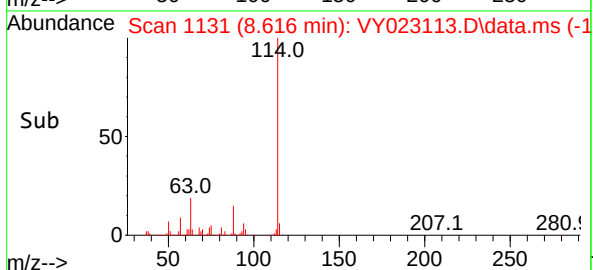
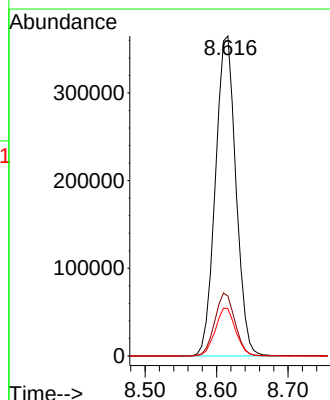
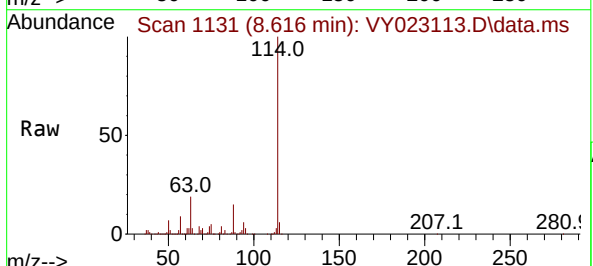
Tgt Ion:114 Resp: 727202

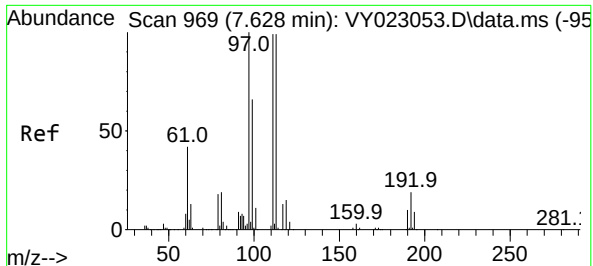
Ion Ratio Lower Upper

114 100

63 18.7 0.0 38.4

88 14.8 0.0 30.0





#35

Dibromofluoromethane

Concen: 49.314 ug/l

RT: 7.634 min Scan# 91

Delta R.T. 0.006 min

Lab File: VY023113.D

Acq: 15 Aug 2025 09:37

Instrument :

MSVOA_Y

ClientSampleId :

VY0815SBS01

Tgt Ion:113 Resp: 21458

Ion Ratio Lower Upper

113 100

111 103.1 81.1 121.7

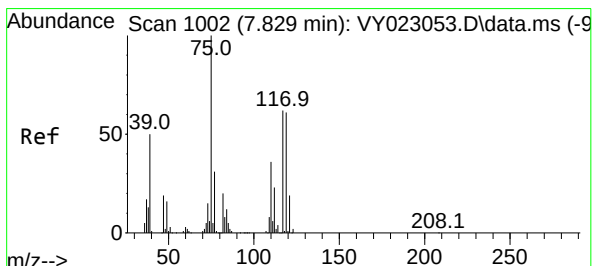
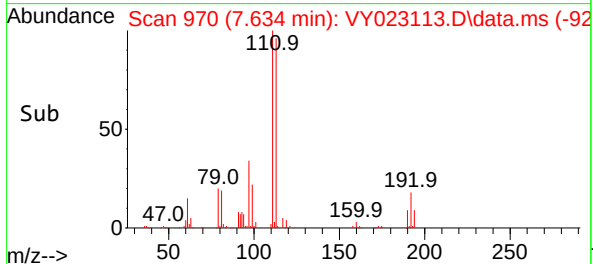
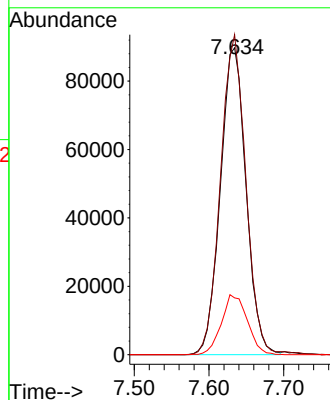
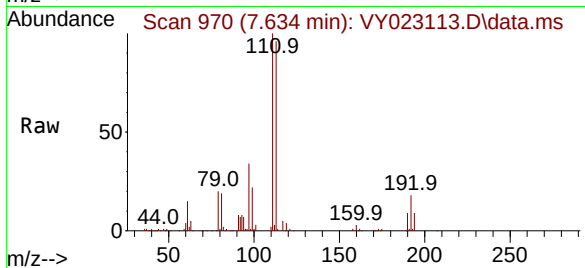
192 19.7 16.2 24.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/19/2025

Supervised By :Mahesh Dadoda 08/19/2025



#36

1,1-Dichloropropene

Concen: 20.008 ug/l

RT: 7.835 min Scan# 1003

Delta R.T. 0.006 min

Lab File: VY023113.D

Acq: 15 Aug 2025 09:37

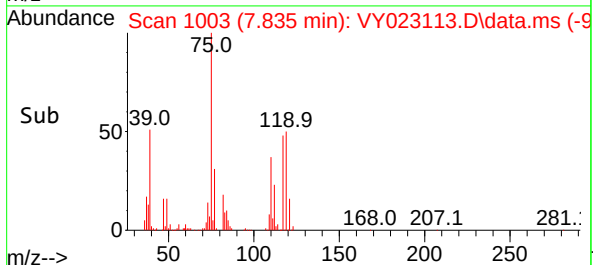
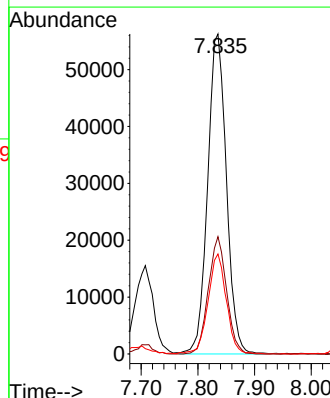
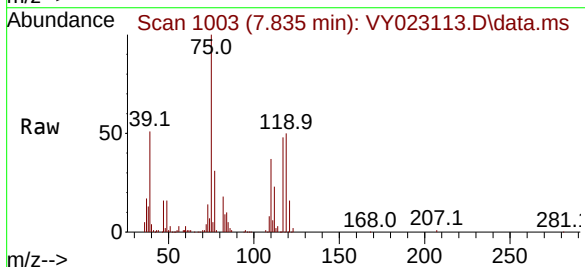
Tgt Ion: 75 Resp: 129384

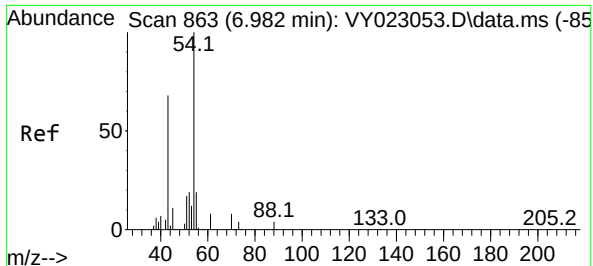
Ion Ratio Lower Upper

75 100

110 35.6 18.1 54.4

77 30.5 24.6 37.0





#37

Ethyl Acetate

Concen: 20.428 ug/l

RT: 6.982 min Scan# 80

Delta R.T. 0.000 min

Lab File: VY023113.D

Acq: 15 Aug 2025 09:37

Instrument :

MSVOA_Y

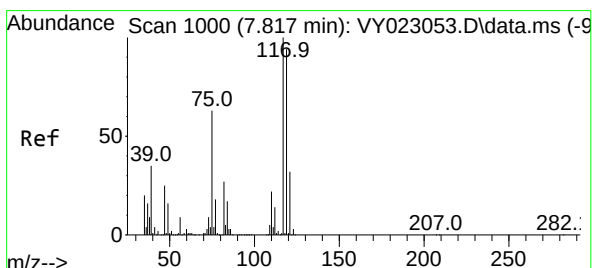
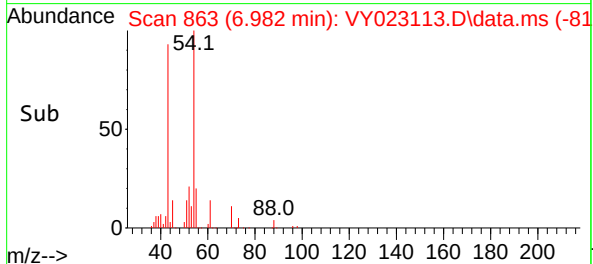
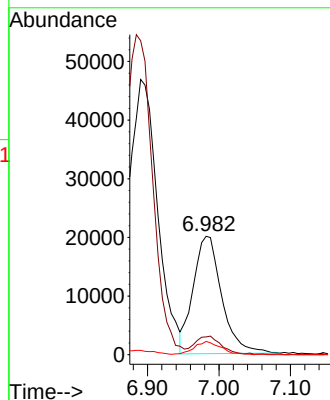
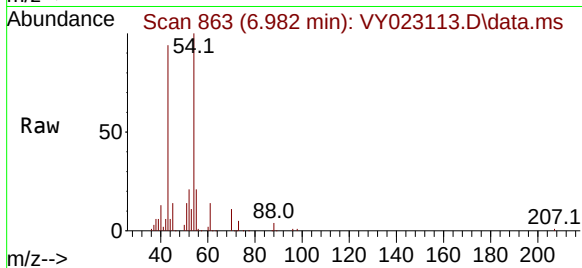
ClientSampleId :

VY0815SBS01

Tgt Ion:	43	Resp:	5549
Ion	Ratio	Lower	Upper
43	100		
61	13.6	11.9	17.9
70	10.5	8.8	13.2

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025



#38

Carbon Tetrachloride

Concen: 19.630 ug/l

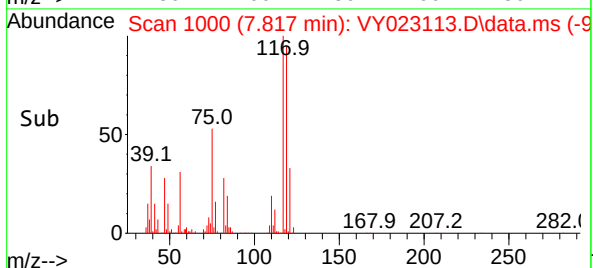
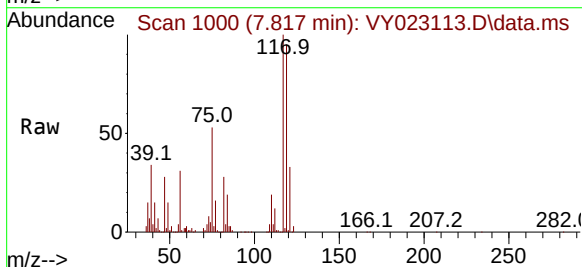
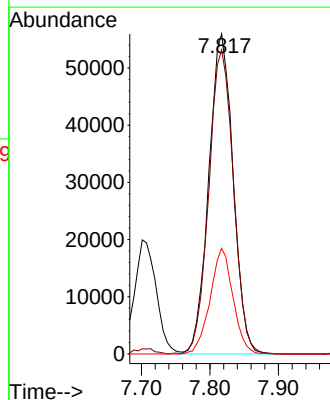
RT: 7.817 min Scan# 1000

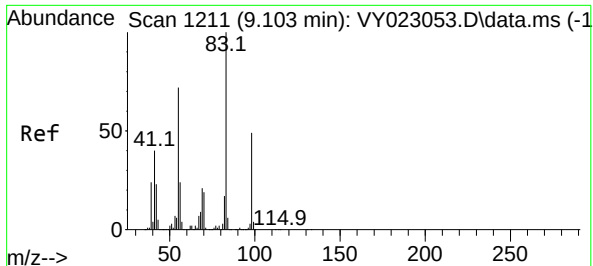
Delta R.T. 0.000 min

Lab File: VY023113.D

Acq: 15 Aug 2025 09:37

Tgt Ion:	117	Resp:	137873
Ion	Ratio	Lower	Upper
117	100		
119	94.9	75.6	113.4
121	33.0	25.8	38.8





#39

Methylcyclohexane

Concen: 18.705 ug/l

RT: 9.103 min Scan# 1211

Delta R.T. 0.000 min

Lab File: VY023113.D

Acq: 15 Aug 2025 09:37

Instrument :

MSVOA_Y

ClientSampleId :

VY0815SBS01

Tgt Ion: 83 Resp: 15928

Ion Ratio Lower Upper

83 100

55 70.4 57.6 86.4

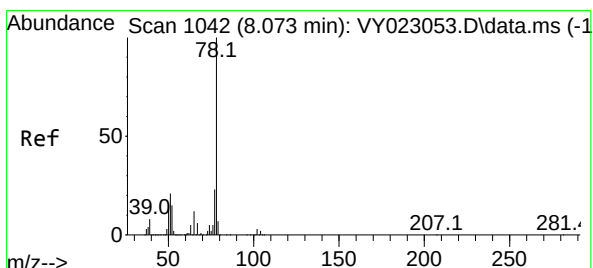
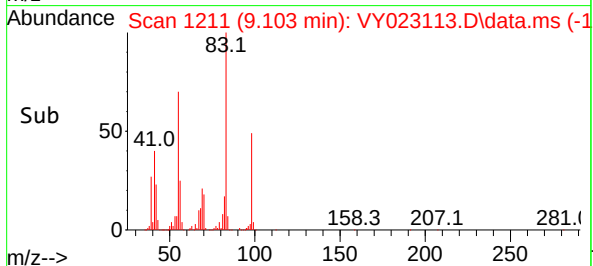
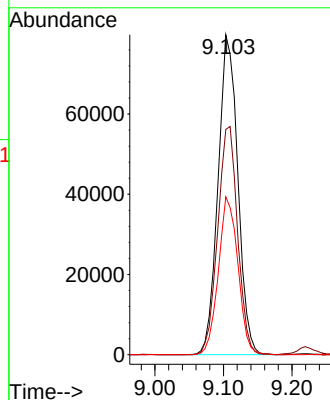
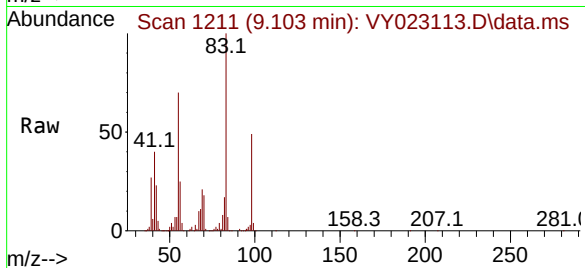
98 49.3 39.2 58.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/19/2025

Supervised By :Mahesh Dadoda 08/19/2025



#40

Benzene

Concen: 20.350 ug/l

RT: 8.079 min Scan# 1043

Delta R.T. 0.006 min

Lab File: VY023113.D

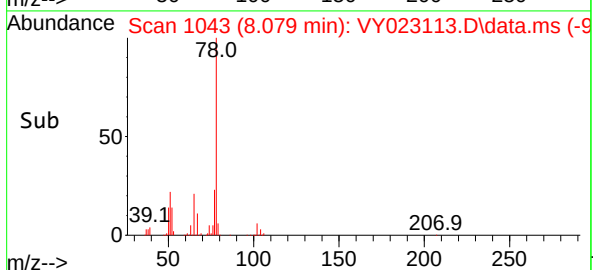
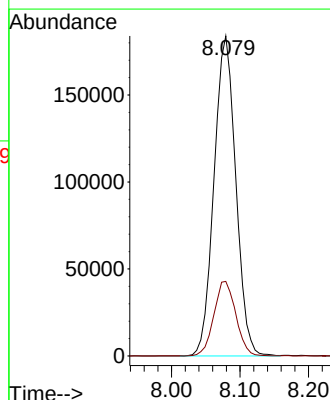
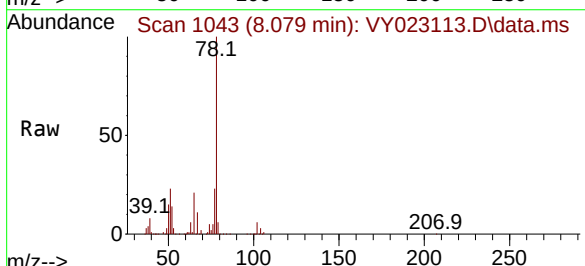
Acq: 15 Aug 2025 09:37

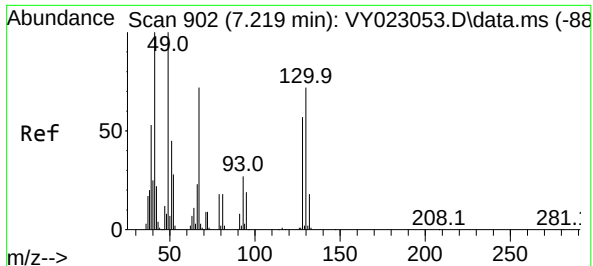
Tgt Ion: 78 Resp: 405603

Ion Ratio Lower Upper

78 100

77 23.3 18.6 28.0





#41

Methacrylonitrile

Concen: 17.956 ug/l

RT: 7.220 min Scan# 902

Delta R.T. 0.000 min

Lab File: VY023113.D

Acq: 15 Aug 2025 09:37

Instrument :

MSVOA_Y

ClientSampleId :

VY0815SBS01

Tgt Ion: 41 Resp: 28150

Ion Ratio Lower Upper

41 100

39 45.4 43.4 65.2

67 87.7 63.6 95.4

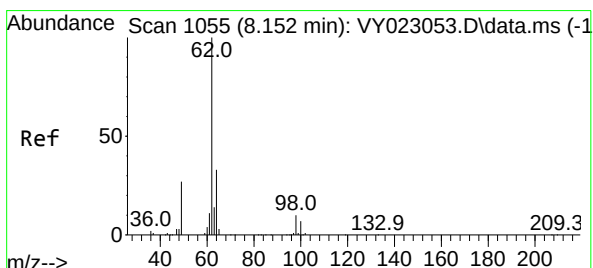
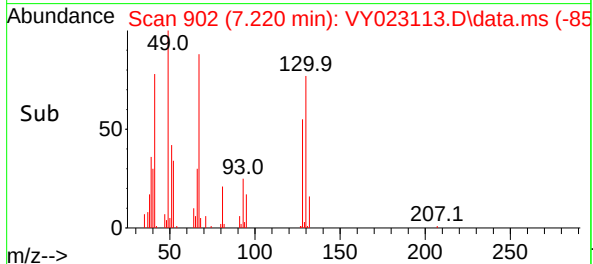
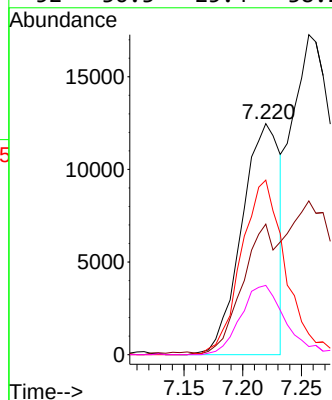
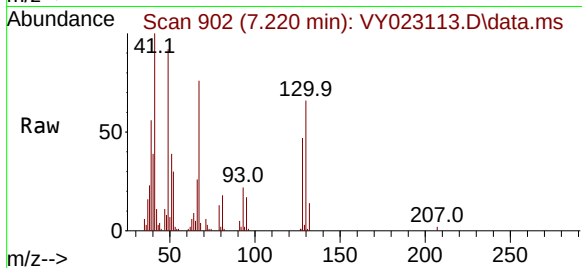
52 36.3 25.4 38.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/19/2025

Supervised By :Mahesh Dadoda 08/19/2025



#42

1,2-Dichloroethane

Concen: 20.575 ug/l

RT: 8.152 min Scan# 1055

Delta R.T. 0.000 min

Lab File: VY023113.D

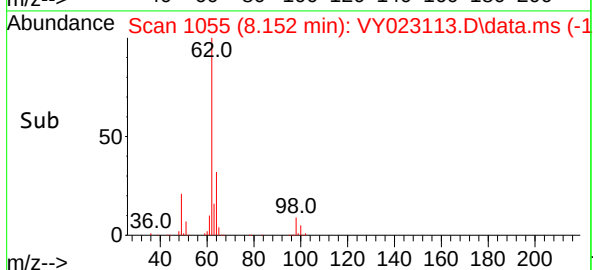
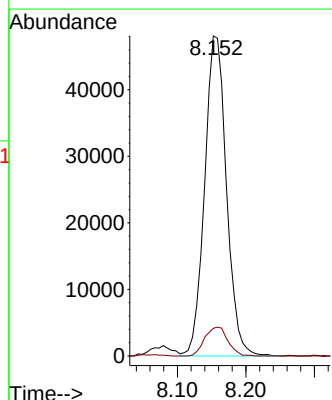
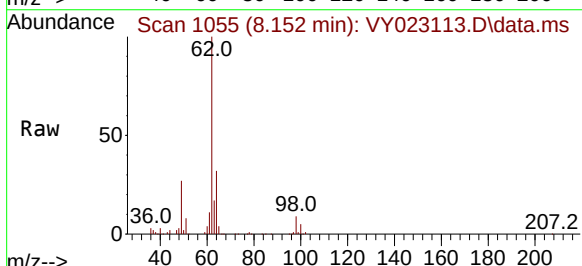
Acq: 15 Aug 2025 09:37

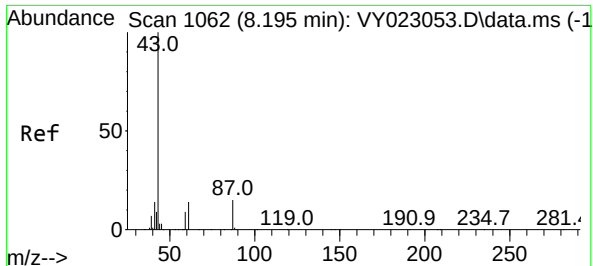
Tgt Ion: 62 Resp: 106658

Ion Ratio Lower Upper

62 100

98 9.5 0.0 20.6





#43

Isopropyl Acetate

Concen: 19.551 ug/l

RT: 8.195 min Scan# 1062

Delta R.T. 0.000 min

Lab File: VY023113.D

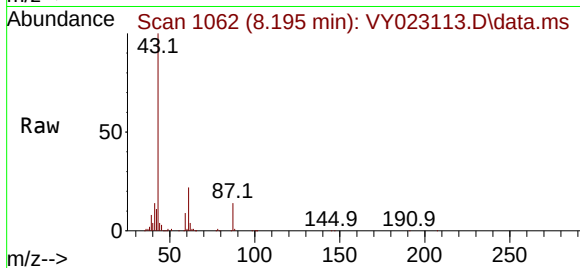
Acq: 15 Aug 2025 09:37

Instrument :

MSVOA_Y

ClientSampleId :

VY0815SBS01



Tgt Ion: 43 Resp: 107344

Ion Ratio Lower Upper

43 100

61 20.7 16.4 24.6

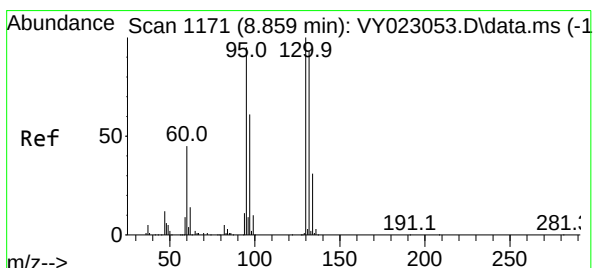
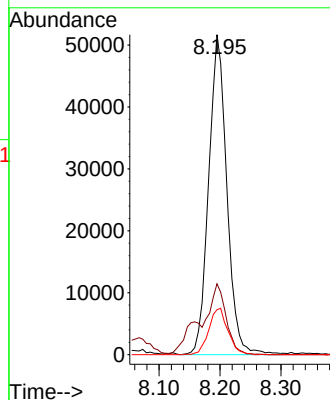
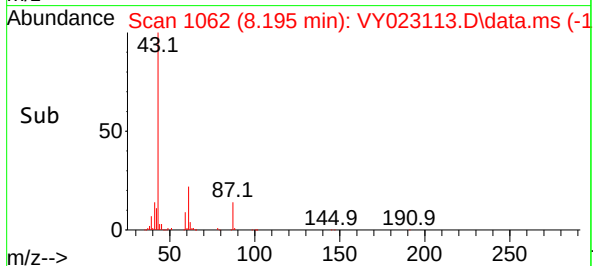
87 15.2 11.8 17.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/19/2025

Supervised By :Mahesh Dadoda 08/19/2025



#44

Trichloroethene

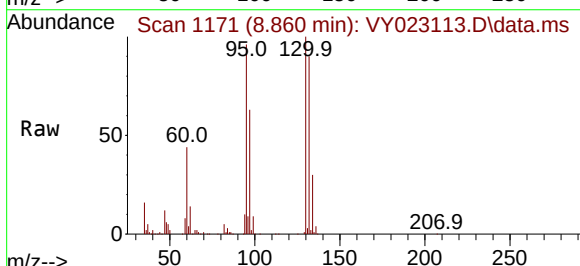
Concen: 20.459 ug/l

RT: 8.860 min Scan# 1171

Delta R.T. 0.000 min

Lab File: VY023113.D

Acq: 15 Aug 2025 09:37

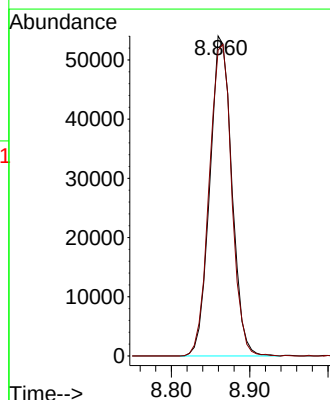
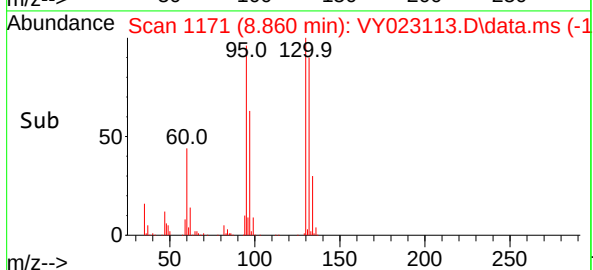


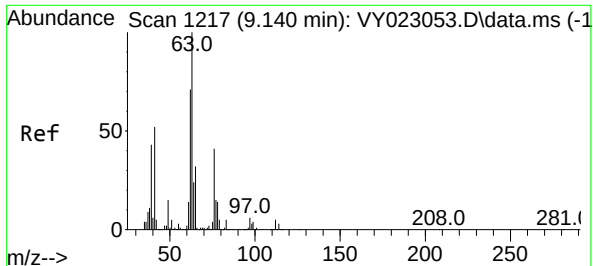
Tgt Ion:130 Resp: 105377

Ion Ratio Lower Upper

130 100

95 95.5 0.0 190.2





#45

1,2-Dichloropropane

Concen: 20.451 ug/l

RT: 9.140 min Scan# 1217

Delta R.T. 0.000 min

Lab File: VY023113.D

Acq: 15 Aug 2025 09:37

Instrument :

MSVOA_Y

ClientSampleId :

VY0815SBS01

Tgt Ion: 63 Resp: 93789

Ion Ratio Lower Upper

63 100

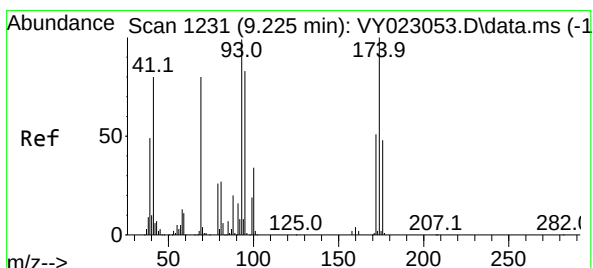
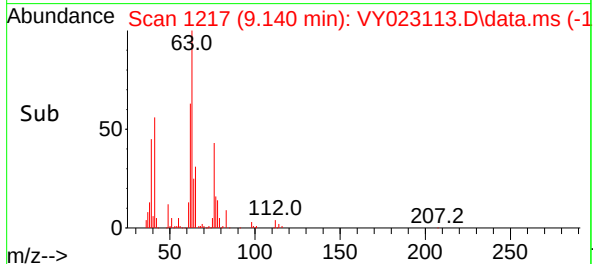
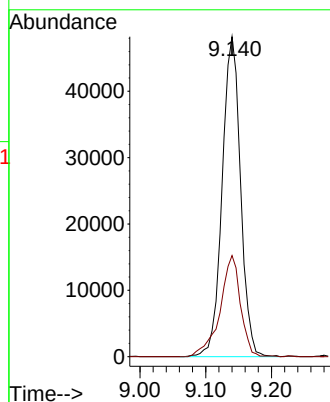
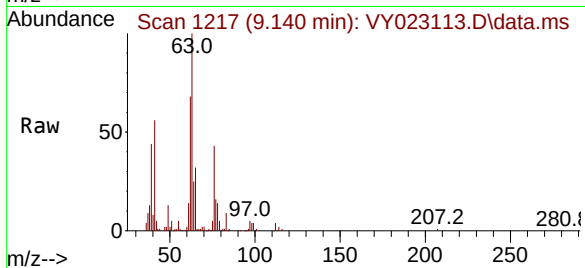
65 31.6 25.3 37.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/19/2025

Supervised By :Mahesh Dadoda 08/19/2025



#46

Dibromomethane

Concen: 20.819 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. 0.006 min

Lab File: VY023113.D

Acq: 15 Aug 2025 09:37

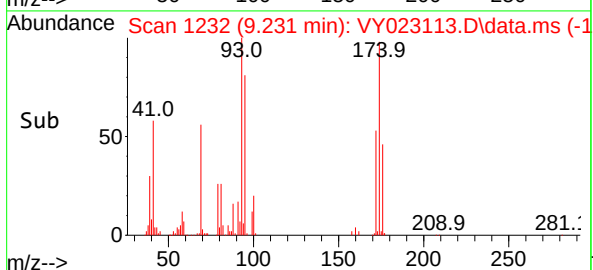
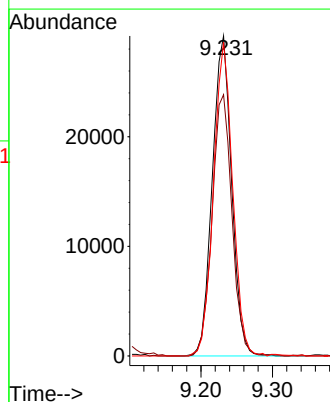
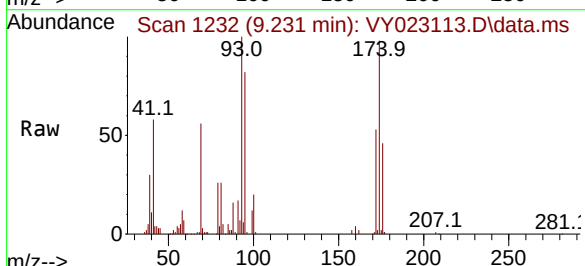
Tgt Ion: 93 Resp: 54800

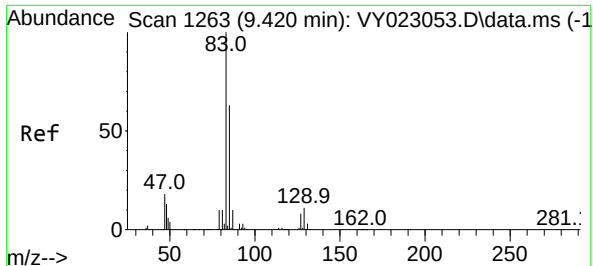
Ion Ratio Lower Upper

93 100

95 83.6 66.5 99.7

174 97.3 81.8 122.8





#47

Bromodichloromethane

Concen: 20.819 ug/l

RT: 9.420 min Scan# 1263

Delta R.T. 0.000 min

Lab File: VY023113.D

Acq: 15 Aug 2025 09:37

Instrument :

MSVOA_Y

ClientSampleId :

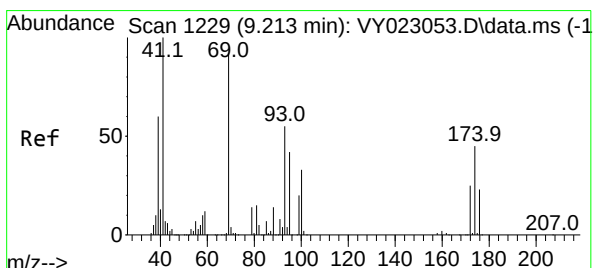
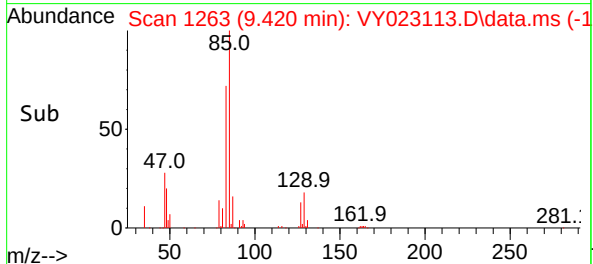
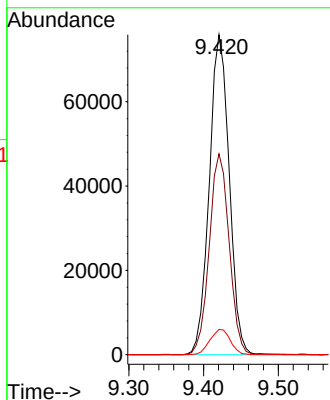
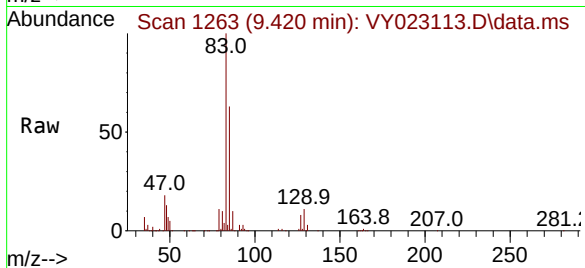
VY0815SBS01

Tgt Ion:	83	Resp:	141008
Ion	Ratio	Lower	Upper
83	100		
85	62.7	50.2	75.4
127	7.9	6.6	10.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025



#48

Methyl methacrylate

Concen: 18.864 ug/l

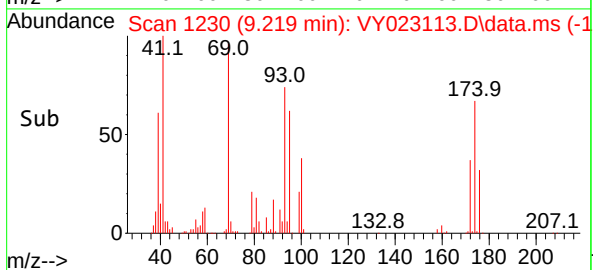
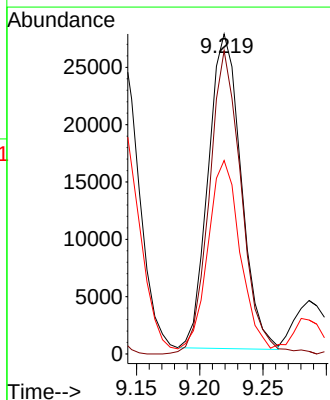
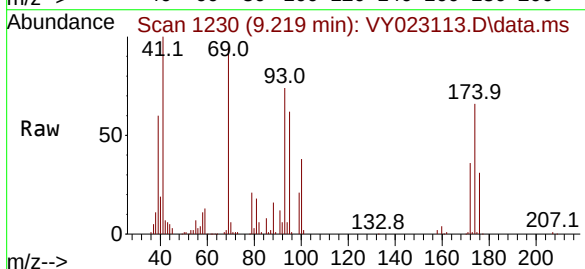
RT: 9.219 min Scan# 1230

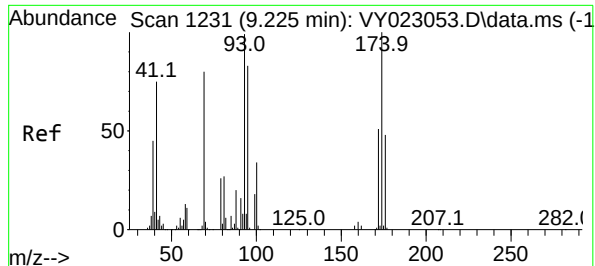
Delta R.T. 0.006 min

Lab File: VY023113.D

Acq: 15 Aug 2025 09:37

Tgt Ion:	41	Resp:	49562
Ion	Ratio	Lower	Upper
41	100		
69	94.5	73.2	109.8
39	58.3	47.0	70.4





#49

1,4-Dioxane

Concen: 400.796 ug/l

RT: 9.238 min Scan# 1237

Delta R.T. 0.012 min

Lab File: VY023113.D

Acq: 15 Aug 2025 09:37

Instrument :

MSVOA_Y

ClientSampleId :

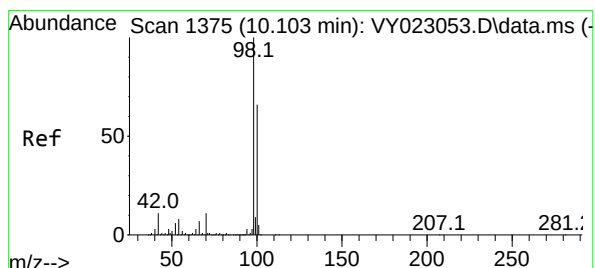
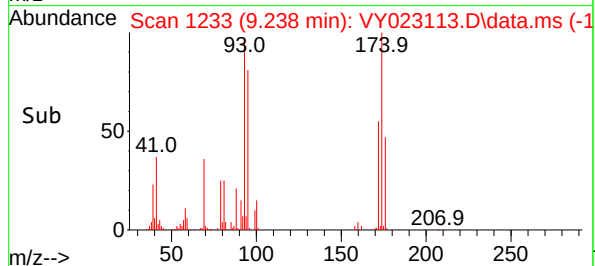
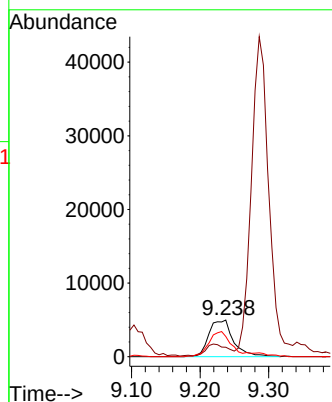
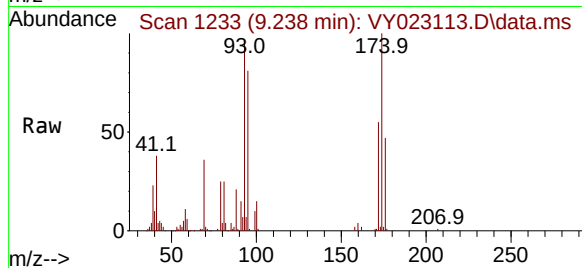
VY0815SBS01

Tgt Ion:	88	Resp:	12370
Ion Ratio	Lower	Upper	
88	100		
43	26.8	24.3	36.5
58	70.5	55.4	83.0

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 08/19/2025
 Supervised By :Mahesh Dadoda 08/19/2025



#50

Toluene-d8

Concen: 50.165 ug/l

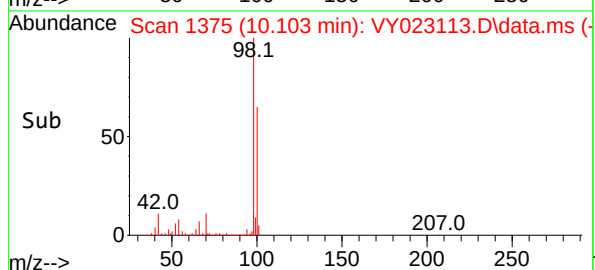
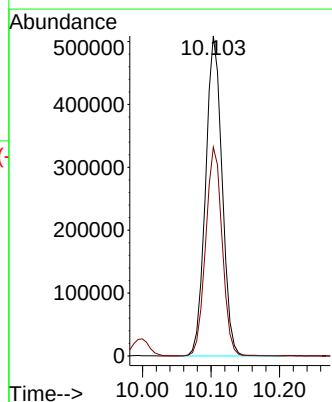
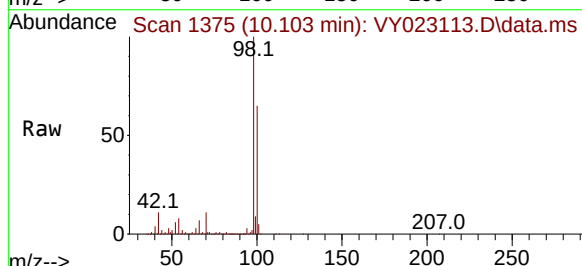
RT: 10.103 min Scan# 1375

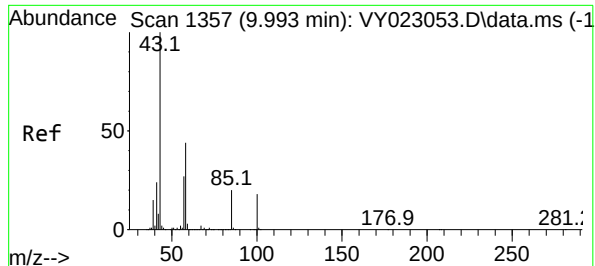
Delta R.T. 0.000 min

Lab File: VY023113.D

Acq: 15 Aug 2025 09:37

Tgt Ion:	98	Resp:	852746
Ion Ratio	Lower	Upper	
98	100		
100	65.1	52.3	78.5





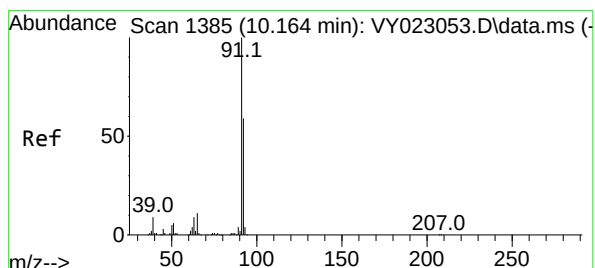
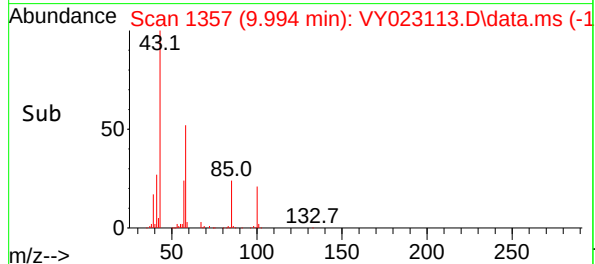
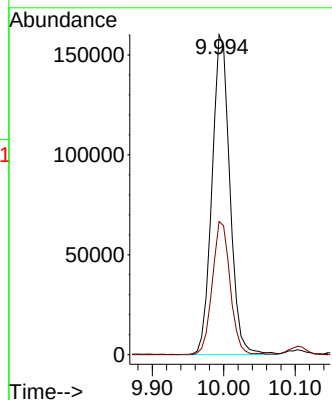
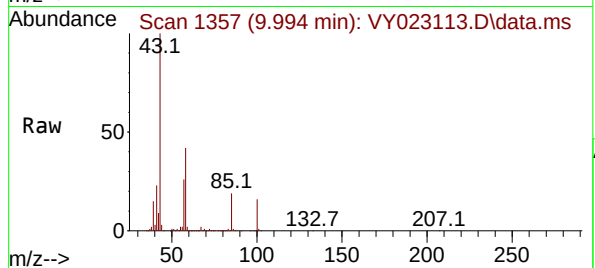
#51
4-Methyl-2-Pentanone
Concen: 97.864 ug/l
RT: 9.994 min Scan# 1357
Delta R.T. 0.000 min
Lab File: VY023113.D
Acq: 15 Aug 2025 09:37

Instrument :
MSVOA_Y
ClientSampleId :
VY0815SBS01

Tgt Ion: 43 Resp: 27716
Ion Ratio Lower Upper
43 100
58 41.6 33.5 50.3

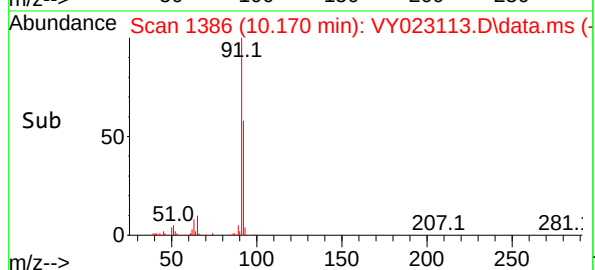
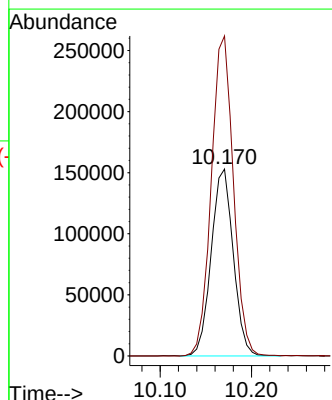
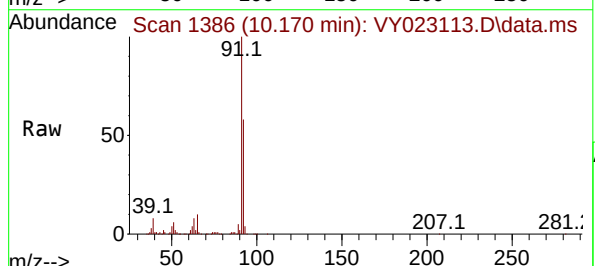
Manual Integrations
APPROVED

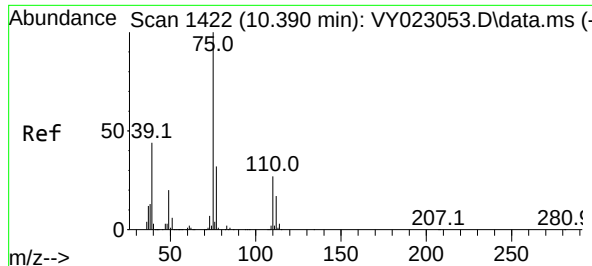
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025



#52
Toluene
Concen: 20.201 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.006 min
Lab File: VY023113.D
Acq: 15 Aug 2025 09:37

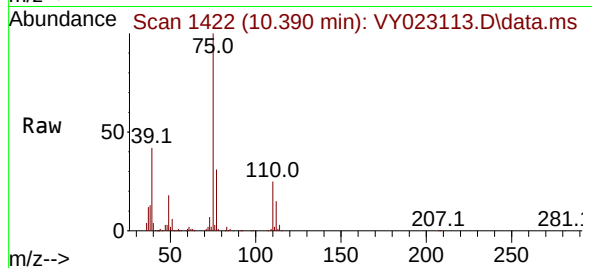
Tgt Ion: 92 Resp: 255717
Ion Ratio Lower Upper
92 100
91 172.1 136.4 204.6





#53
t-1,3-Dichloropropene
Concen: 19.890 ug/l
RT: 10.390 min Scan# 1422
Delta R.T. 0.000 min
Lab File: VY023113.D
Acq: 15 Aug 2025 09:37

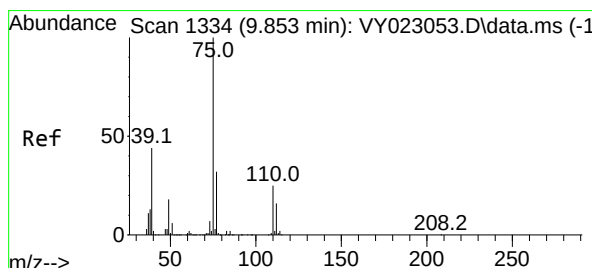
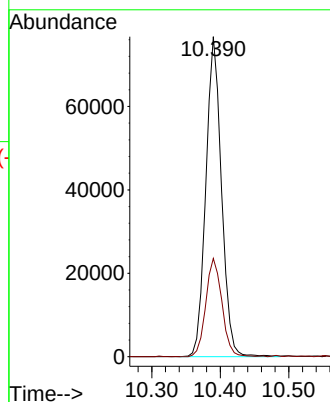
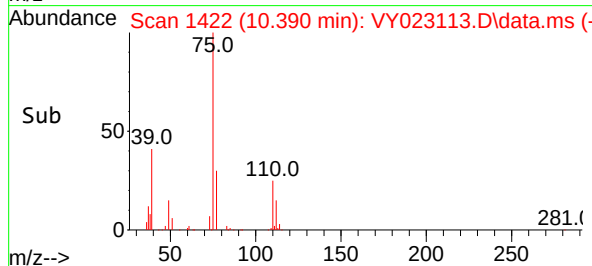
Instrument :
MSVOA_Y
ClientSampleId :
VY0815SBS01



Tgt Ion: 75 Resp: 12199
Ion Ratio Lower Upper
75 100
77 30.7 25.7 38.5

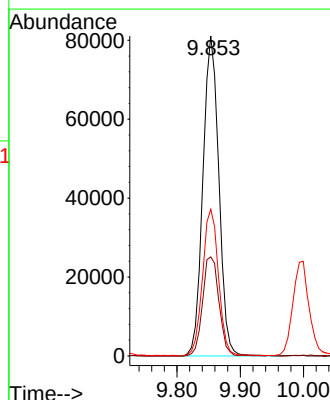
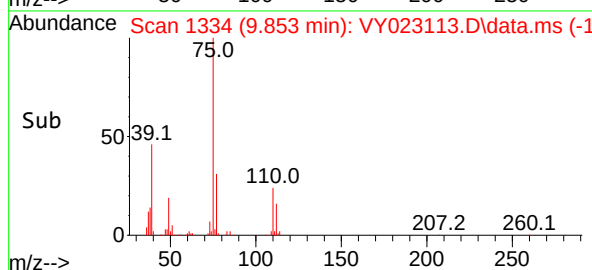
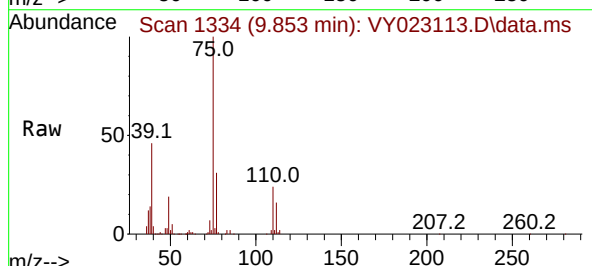
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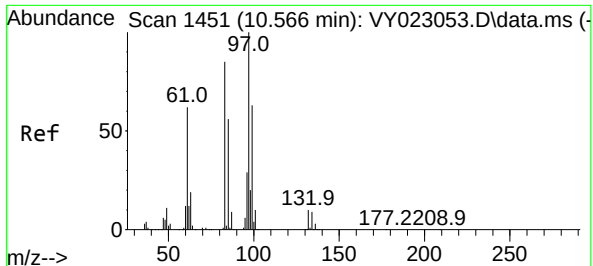
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025



#54
cis-1,3-Dichloropropene
Concen: 19.623 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY023113.D
Acq: 15 Aug 2025 09:37

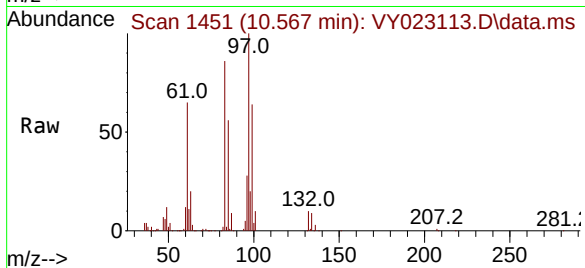
Tgt Ion: 75 Resp: 142316
Ion Ratio Lower Upper
75 100
77 31.0 25.4 38.0
39 45.9 35.6 53.4





#55
1,1,2-Trichloroethane
Concen: 20.174 ug/l
RT: 10.567 min Scan# 1451
Delta R.T. 0.000 min
Lab File: VY023113.D
Acq: 15 Aug 2025 09:37

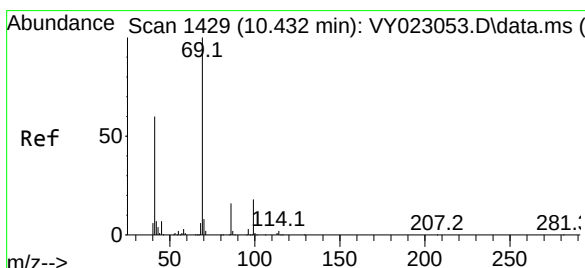
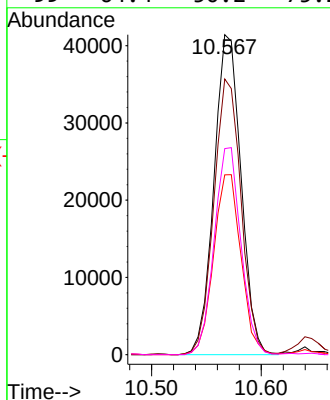
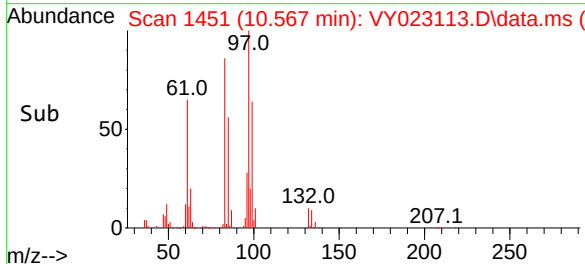
Instrument :
MSVOA_Y
ClientSampleId :
VY0815SBS01



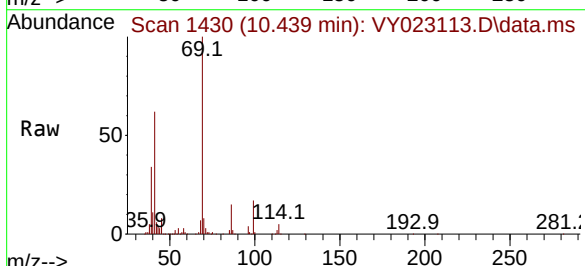
Tgt Ion	Ratio	Lower	Upper
97	100		
83	86.2	67.7	101.5
85	56.2	44.5	66.7
99	64.4	50.2	75.2

Manual Integrations
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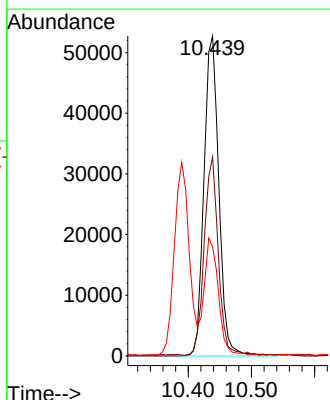
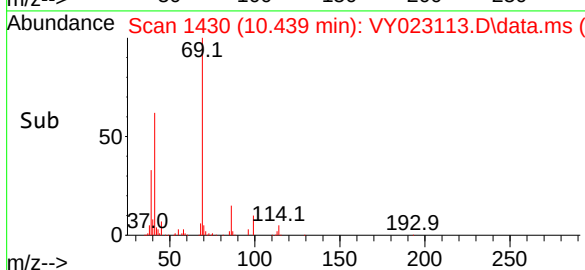
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025

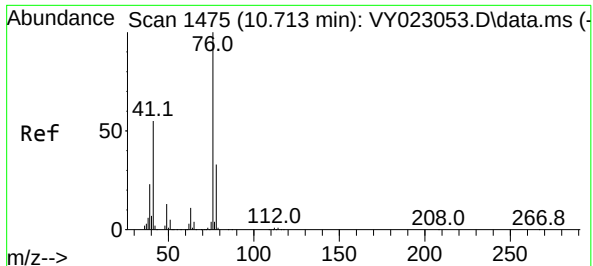


#56
Ethyl methacrylate
Concen: 19.173 ug/l
RT: 10.439 min Scan# 1430
Delta R.T. 0.006 min
Lab File: VY023113.D
Acq: 15 Aug 2025 09:37



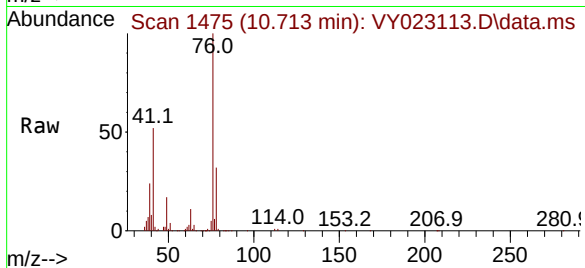
Tgt Ion	Ratio	Lower	Upper
69	100		
41	59.0	48.6	72.8
39	34.9	27.0	40.4





#57
1,3-Dichloropropane
Concen: 19.846 ug/l
RT: 10.713 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VY023113.D
Acq: 15 Aug 2025 09:37

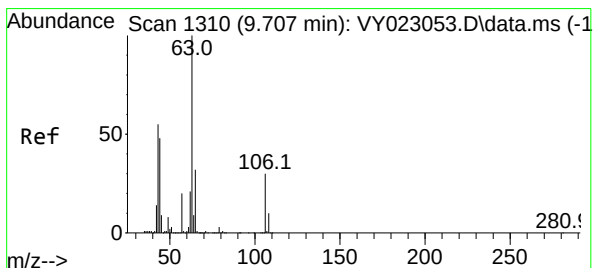
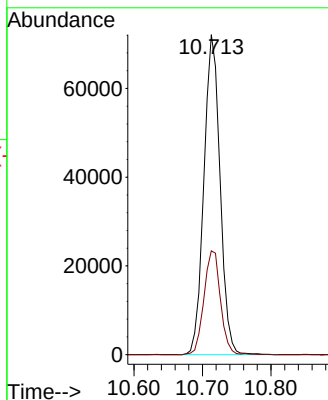
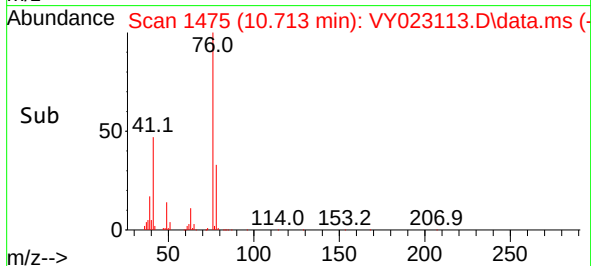
Instrument :
MSVOA_Y
ClientSampleId :
VY0815SBS01



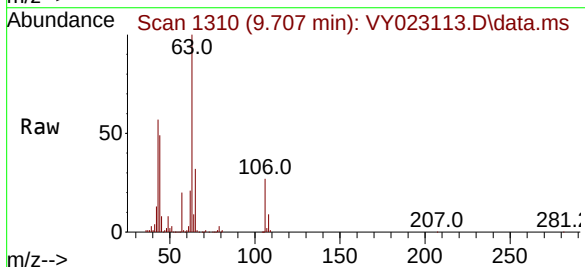
Tgt Ion: 76 Resp: 118549
Ion Ratio Lower Upper
76 100
78 33.2 26.0 39.0

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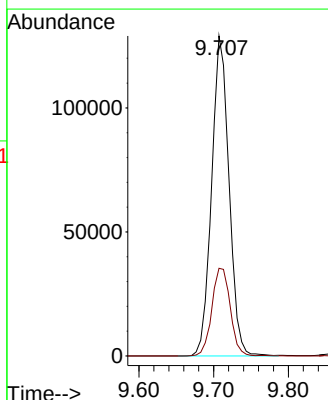
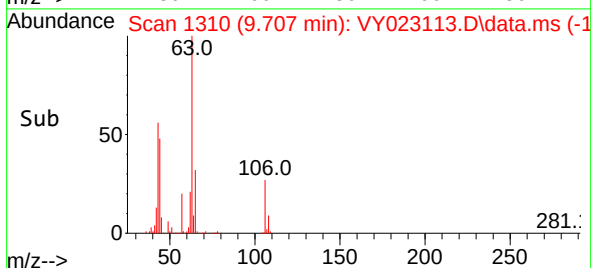
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025

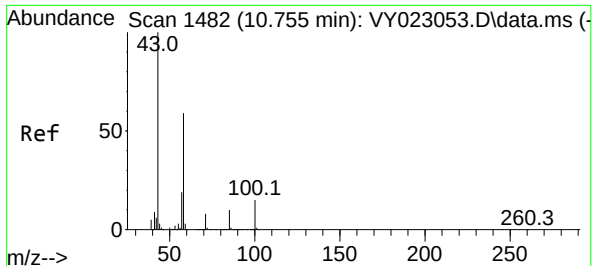


#58
2-Chloroethyl Vinyl ether
Concen: 98.106 ug/l
RT: 9.707 min Scan# 1310
Delta R.T. 0.000 min
Lab File: VY023113.D
Acq: 15 Aug 2025 09:37



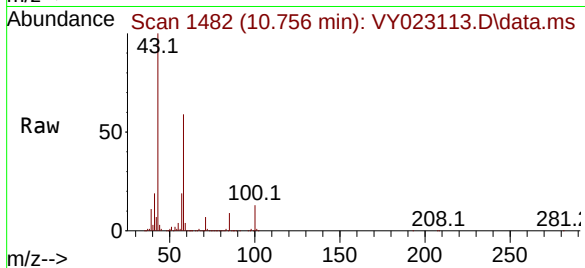
Tgt Ion: 63 Resp: 208567
Ion Ratio Lower Upper
63 100
106 29.0 23.2 34.8





#59
2-Hexanone
Concen: 100.277 ug/l
RT: 10.756 min Scan# 1482
Delta R.T. 0.000 min
Lab File: VY023113.D
Acq: 15 Aug 2025 09:37

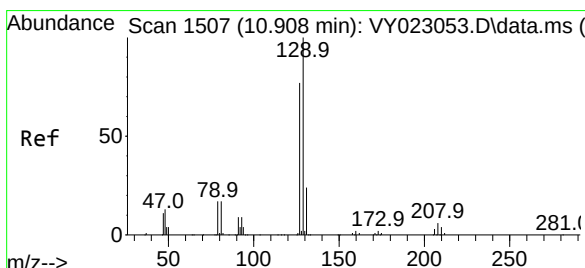
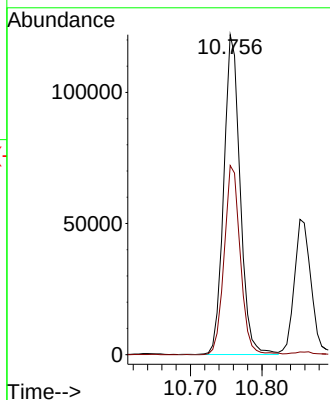
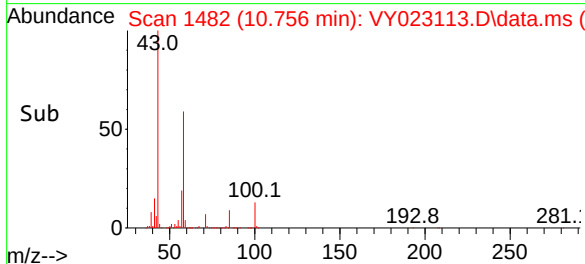
Instrument :
MSVOA_Y
ClientSampleId :
VY0815SBS01



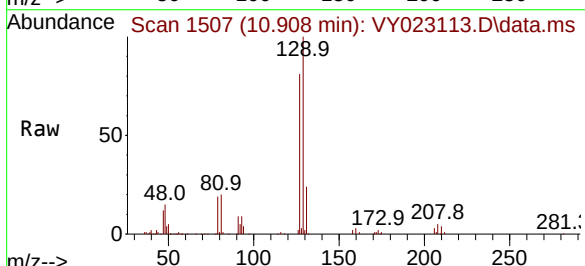
Tgt Ion: 43 Resp: 19338
Ion Ratio Lower Upper
43 100
58 58.4 29.5 88.5

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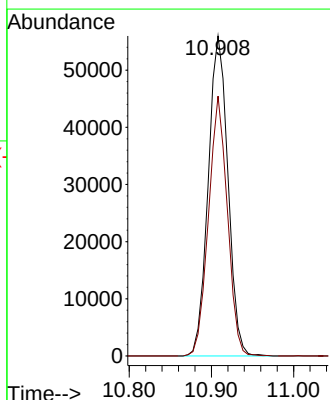
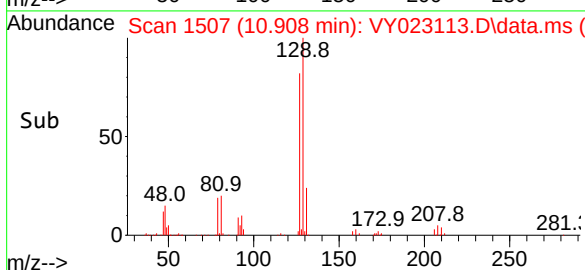
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025

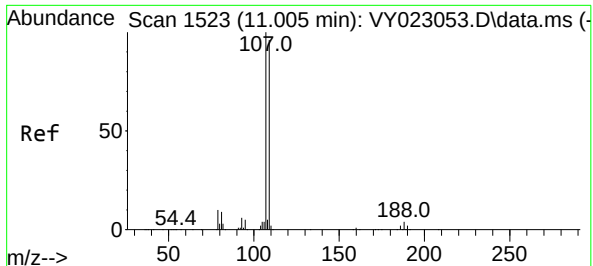


#60
Dibromochloromethane
Concen: 20.091 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY023113.D
Acq: 15 Aug 2025 09:37



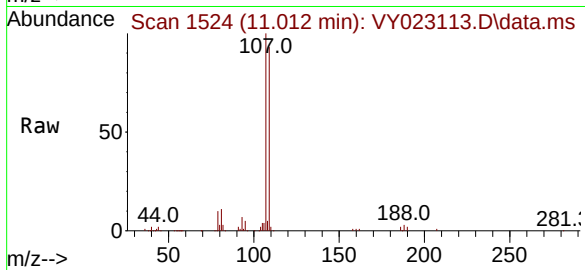
Tgt Ion:129 Resp: 93374
Ion Ratio Lower Upper
129 100
127 77.6 38.5 115.5





#61
1,2-Dibromoethane
Concen: 20.125 ug/l
RT: 11.012 min Scan# 1523
Delta R.T. 0.006 min
Lab File: VY023113.D
Acq: 15 Aug 2025 09:37

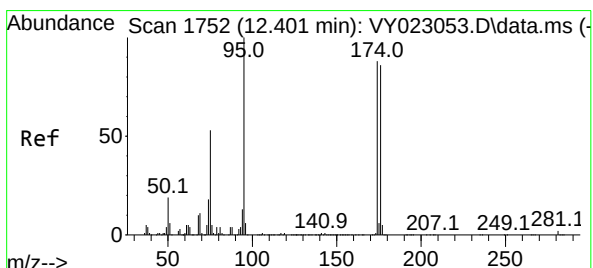
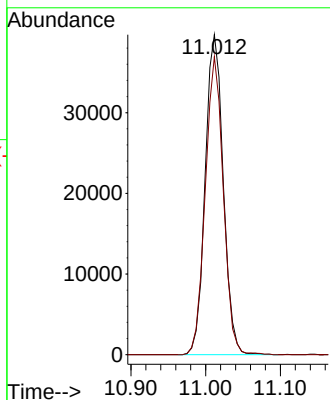
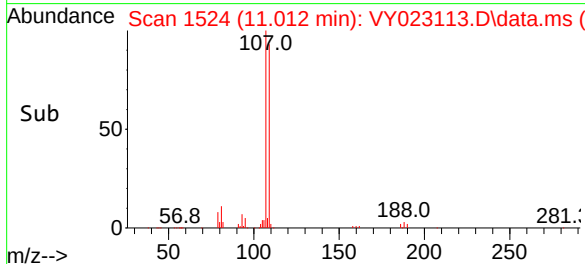
Instrument :
MSVOA_Y
ClientSampleId :
VY0815SBS01



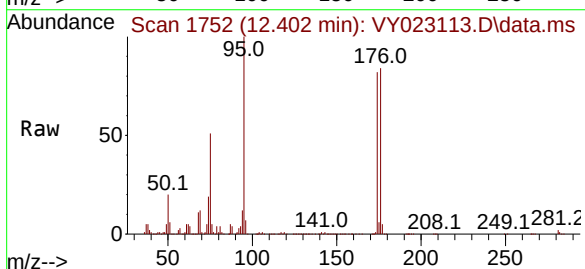
Tgt Ion: 107 Resp: 6662
Ion Ratio Lower Upper
107 100
109 93.0 75.6 113.4

Manual Integrations
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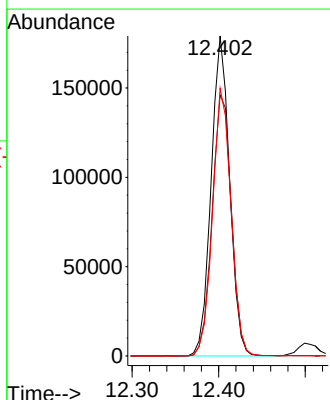
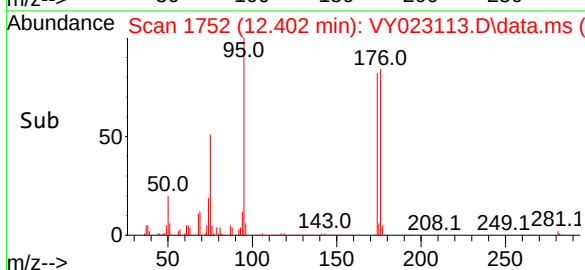
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025

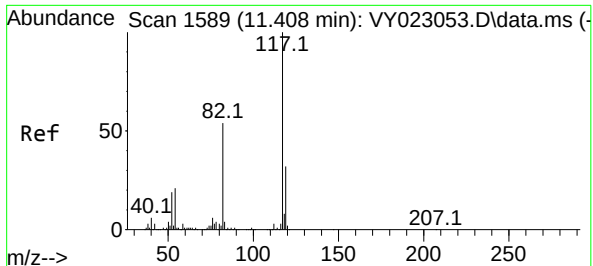


#62
4-Bromofluorobenzene
Concen: 48.547 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023113.D
Acq: 15 Aug 2025 09:37



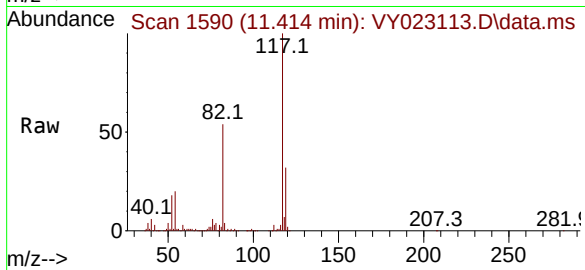
Tgt Ion: 95 Resp: 265399
Ion Ratio Lower Upper
95 100
174 85.3 0.0 171.6
176 83.8 0.0 167.6





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023113.D
Acq: 15 Aug 2025 09:37

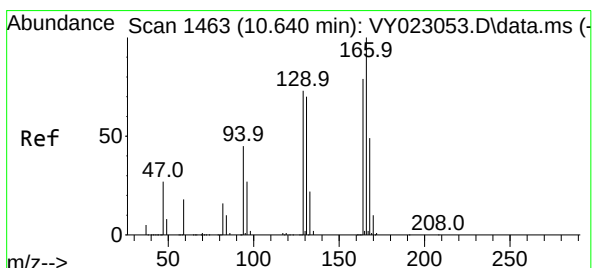
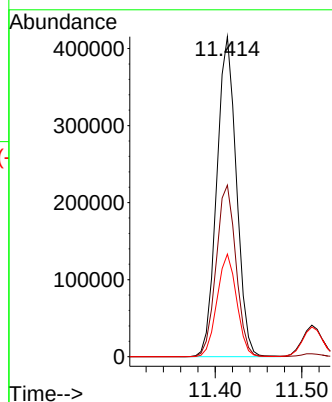
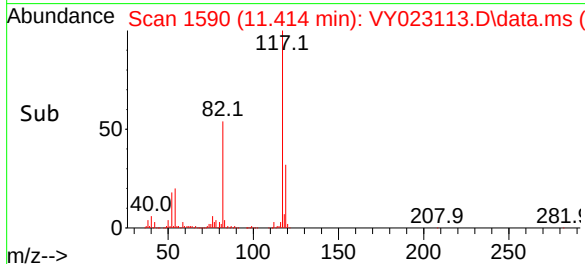
Instrument :
MSVOA_Y
ClientSampleId :
VY0815SBS01



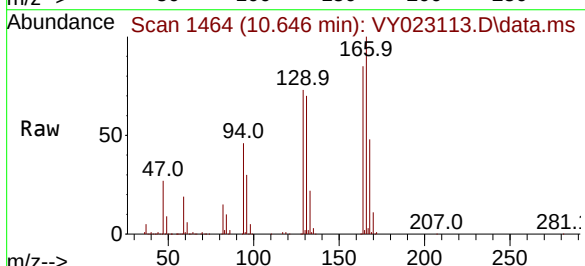
Tgt Ion:117 Resp: 654458
Ion Ratio Lower Upper
117 100
82 53.6 43.4 65.0
119 32.1 25.6 38.4

Manual Integrations
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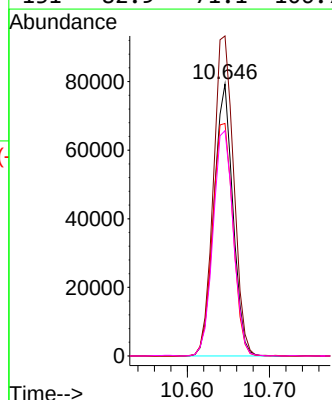
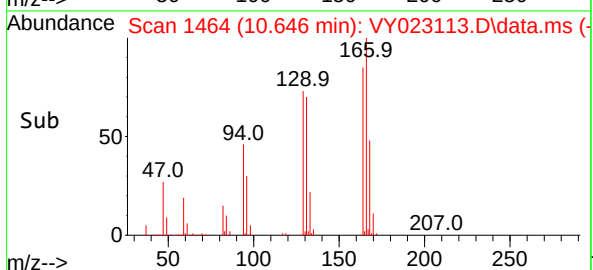
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025

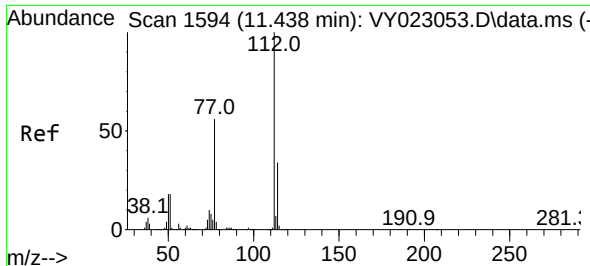


#64
Tetrachloroethene
Concen: 21.773 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.006 min
Lab File: VY023113.D
Acq: 15 Aug 2025 09:37



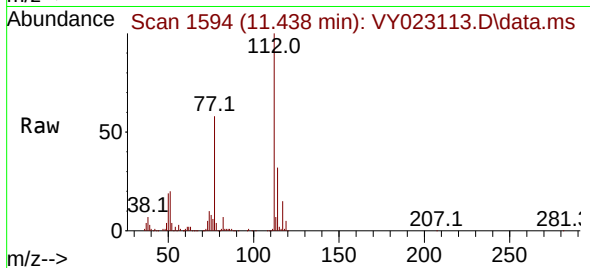
Tgt Ion:164 Resp: 127239
Ion Ratio Lower Upper
164 100
166 117.7 101.1 151.7
129 85.5 74.0 111.0
131 82.9 71.1 106.7





#65
Chlorobenzene
Concen: 19.453 ug/l
RT: 11.438 min Scan# 1594
Delta R.T. 0.000 min
Lab File: VY023113.D
Acq: 15 Aug 2025 09:37

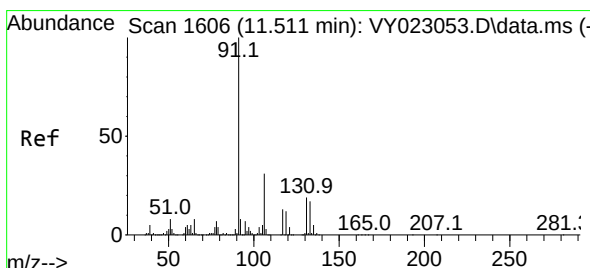
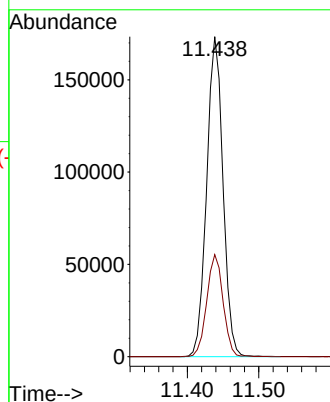
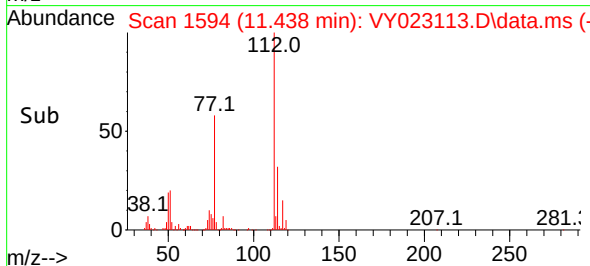
Instrument :
MSVOA_Y
ClientSampleId :
VY0815SBS01



Tgt Ion:112 Resp: 274610
Ion Ratio Lower Upper
112 100
114 31.9 27.0 40.4

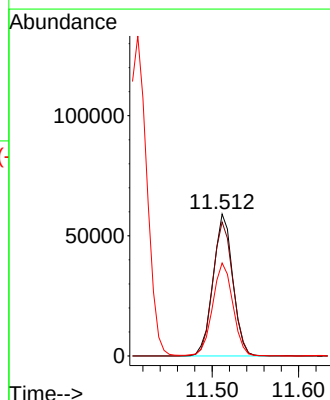
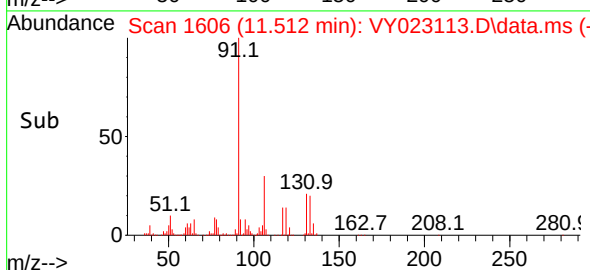
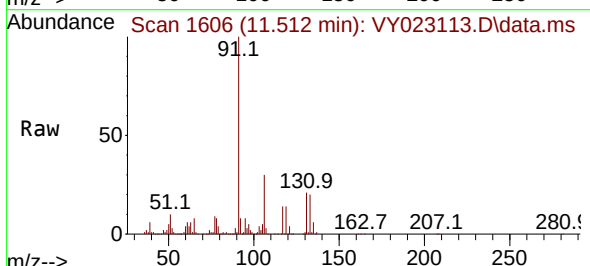
Manual Integrations
APPROVED

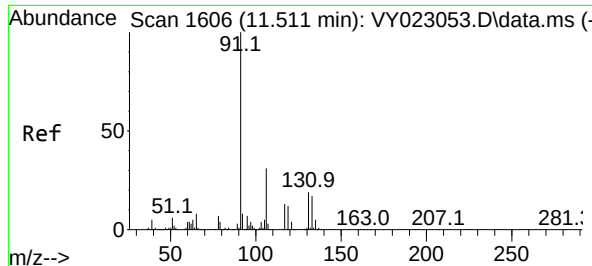
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 19.466 ug/l
RT: 11.512 min Scan# 1606
Delta R.T. 0.000 min
Lab File: VY023113.D
Acq: 15 Aug 2025 09:37

Tgt Ion:131 Resp: 93262
Ion Ratio Lower Upper
131 100
133 96.5 46.9 140.6
119 67.4 33.2 99.6





#67

Ethyl Benzene

Concen: 18.808 ug/l

RT: 11.518 min Scan# 1607

Delta R.T. 0.006 min

Lab File: VY023113.D

Acq: 15 Aug 2025 09:37

Instrument :

MSVOA_Y

ClientSampleId :

VY0815SBS01

Tgt Ion: 91 Resp: 45690

Ion Ratio Lower Upper

91 100

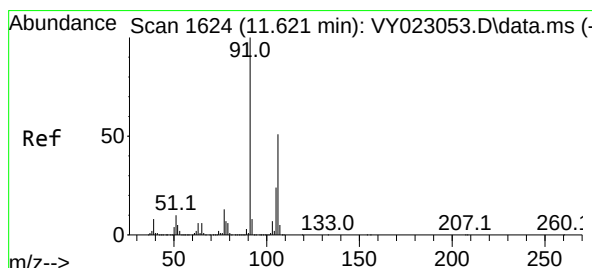
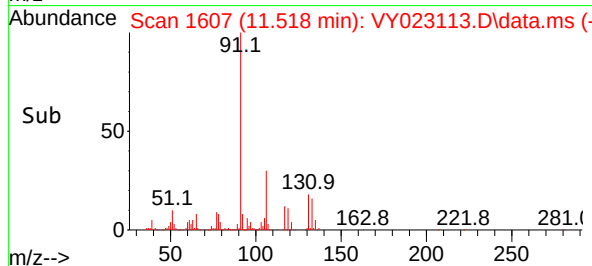
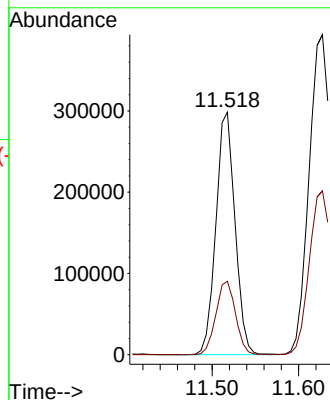
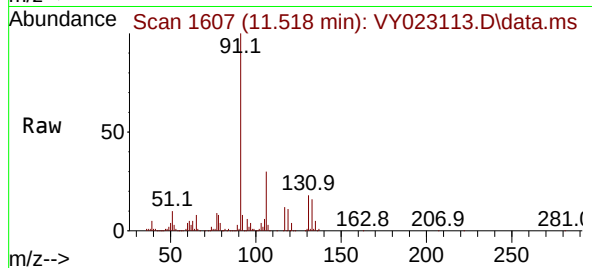
106 30.3 25.0 37.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/19/2025

Supervised By :Mahesh Dadoda 08/19/2025



#68

m/p-Xylenes

Concen: 38.555 ug/l

RT: 11.627 min Scan# 1625

Delta R.T. 0.006 min

Lab File: VY023113.D

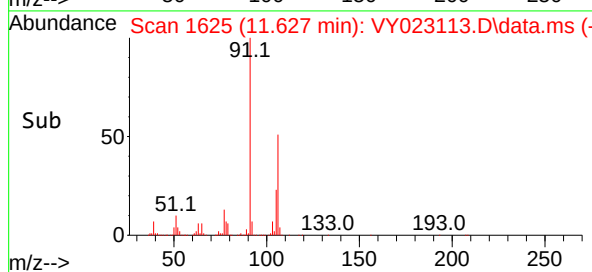
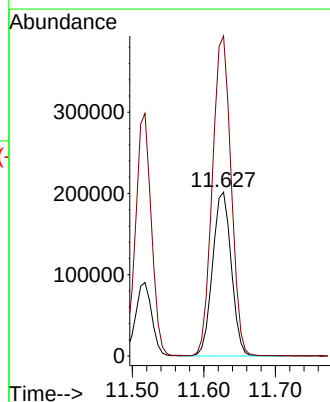
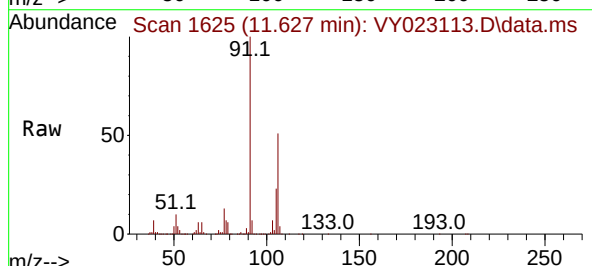
Acq: 15 Aug 2025 09:37

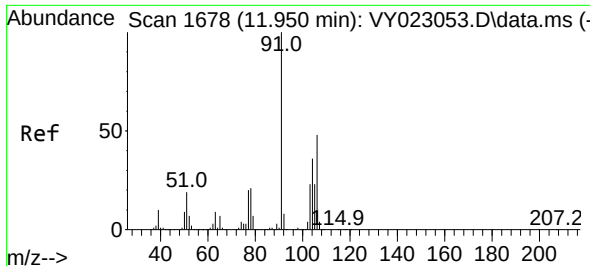
Tgt Ion:106 Resp: 365819

Ion Ratio Lower Upper

106 100

91 195.9 158.6 238.0





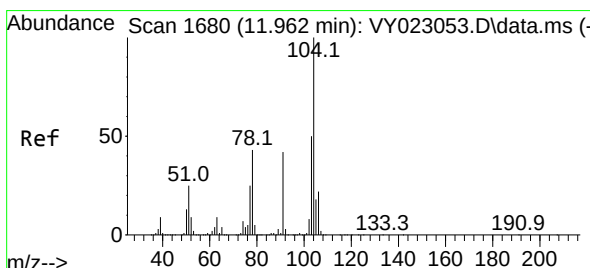
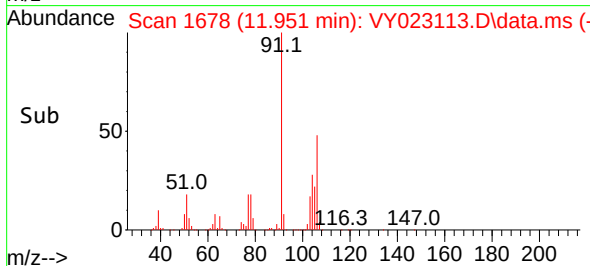
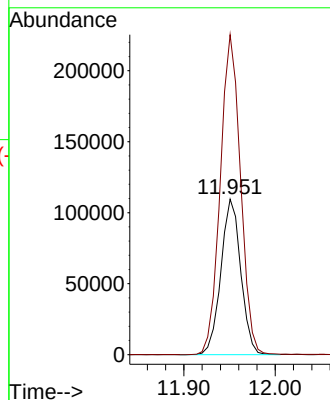
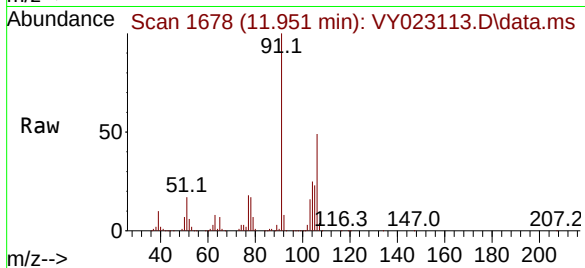
#69
o-Xylene
Concen: 18.648 ug/l
RT: 11.951 min Scan# 1678
Delta R.T. 0.000 min
Lab File: VY023113.D
Acq: 15 Aug 2025 09:37

Instrument :
MSVOA_Y
ClientSampleId :
VY0815SBS01

Tgt Ion:106 Resp: 16571
Ion Ratio Lower Upper
106 100
91 210.1 103.2 309.4

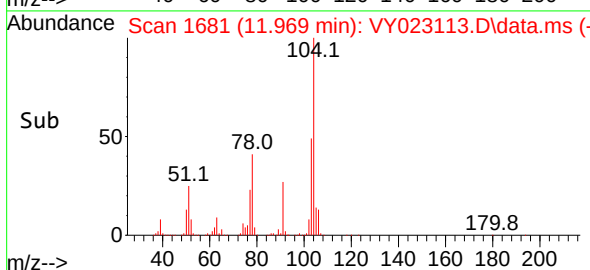
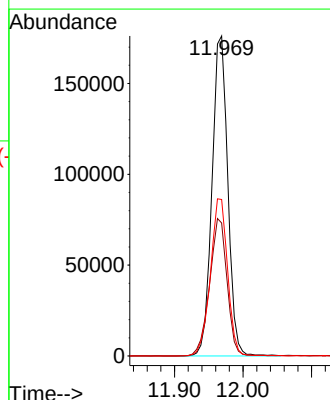
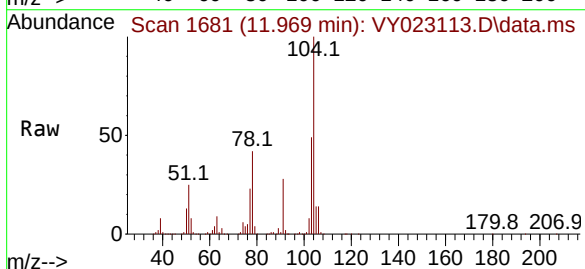
Manual Integrations
APPROVED

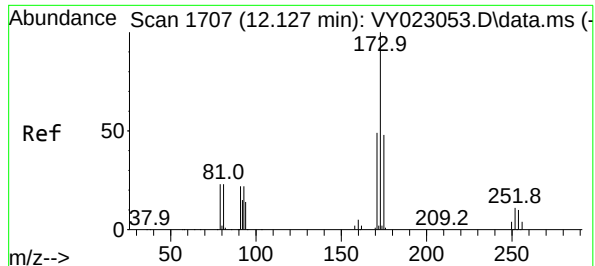
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025



#70
Styrene
Concen: 19.385 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.006 min
Lab File: VY023113.D
Acq: 15 Aug 2025 09:37

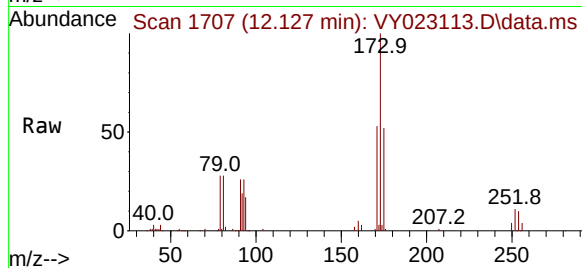
Tgt Ion:104 Resp: 281721
Ion Ratio Lower Upper
104 100
78 47.6 38.5 57.7
103 53.4 43.7 65.5





#71
Bromoform
Concen: 18.687 ug/l
RT: 12.127 min Scan# 1707
Delta R.T. 0.000 min
Lab File: VY023113.D
Acq: 15 Aug 2025 09:37

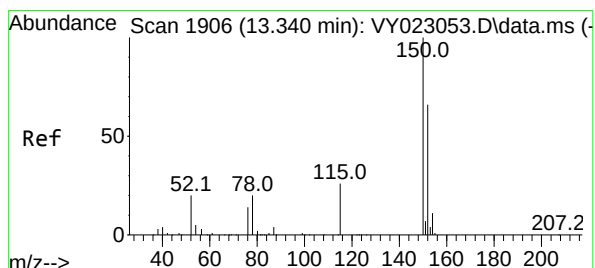
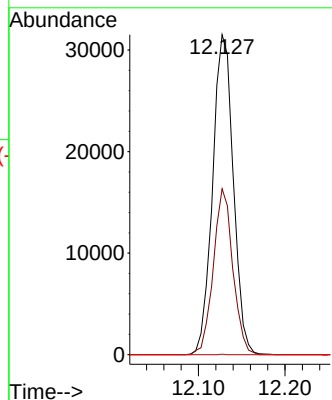
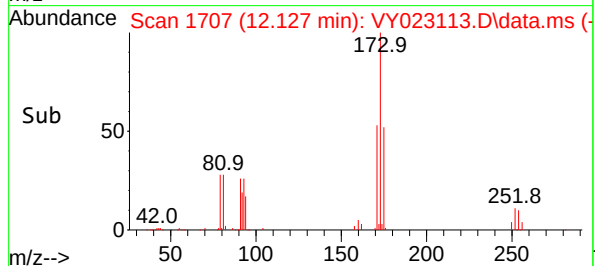
Instrument :
MSVOA_Y
ClientSampleId :
VY0815SBS01



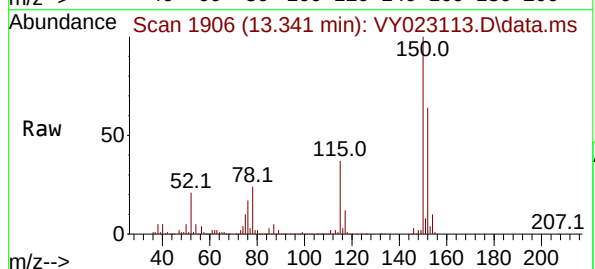
Tgt Ion:173 Resp: 52320
Ion Ratio Lower Upper
173 100
175 48.9 23.9 71.7
254 0.0 0.1 0.1

Manual Integrations
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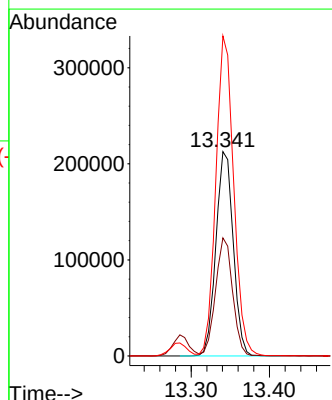
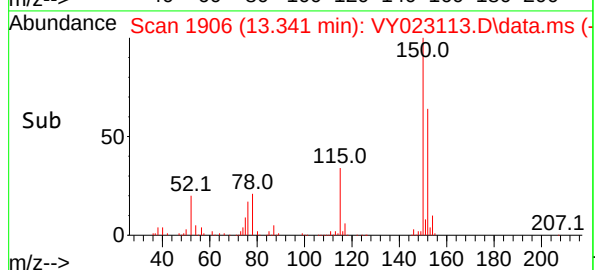
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025

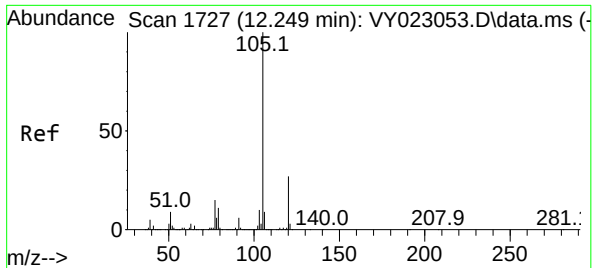


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.341 min Scan# 1906
Delta R.T. 0.000 min
Lab File: VY023113.D
Acq: 15 Aug 2025 09:37



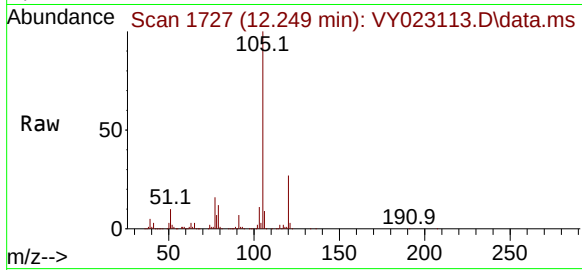
Tgt Ion:152 Resp: 327154
Ion Ratio Lower Upper
152 100
115 56.9 28.2 84.6
150 161.2 0.0 348.0





#73
Isopropylbenzene
Concen: 18.755 ug/l
RT: 12.249 min Scan# 1727
Delta R.T. 0.000 min
Lab File: VY023113.D
Acq: 15 Aug 2025 09:37

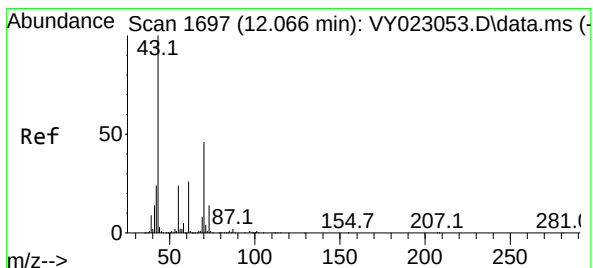
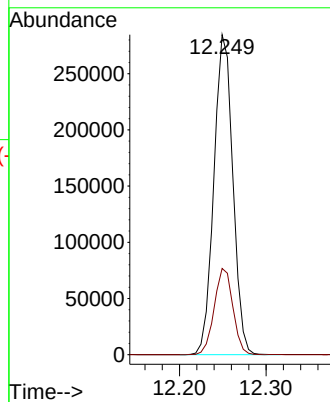
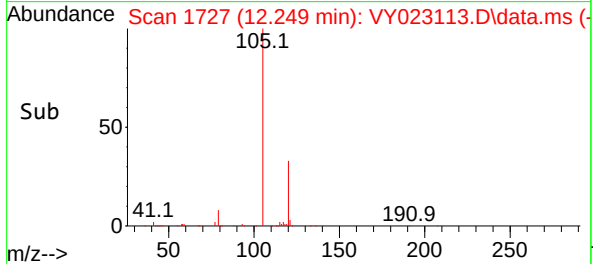
Instrument :
MSVOA_Y
ClientSampleId :
VY0815SBS01



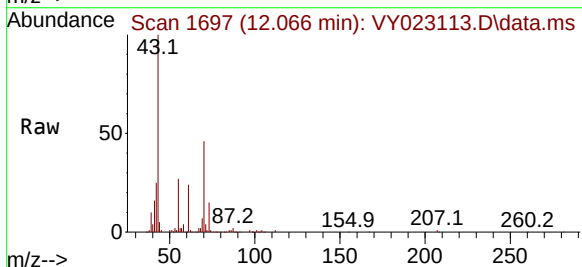
Tgt Ion:105 Resp: 43305
Ion Ratio Lower Upper
105 100
120 26.5 13.4 40.2

Manual Integrations
APPROVED

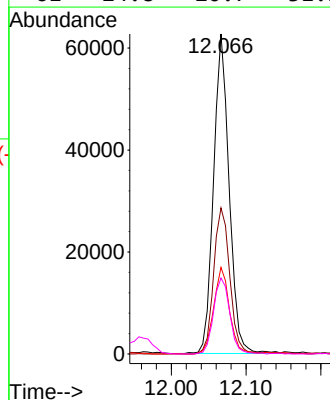
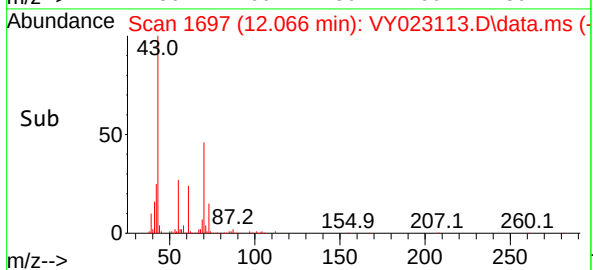
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025

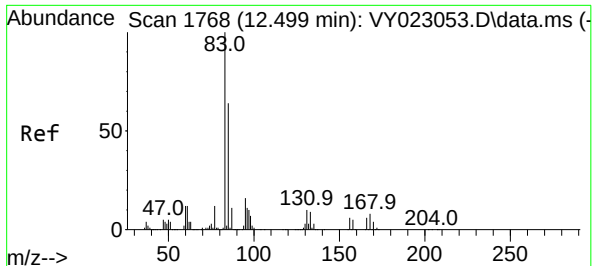


#74
N-ethyl acetate
Concen: 18.605 ug/l
RT: 12.066 min Scan# 1697
Delta R.T. 0.000 min
Lab File: VY023113.D
Acq: 15 Aug 2025 09:37



Tgt Ion: 43 Resp: 91104
Ion Ratio Lower Upper
43 100
70 47.9 37.5 56.3
55 27.6 20.7 31.1
61 24.8 20.7 31.1





#75

1,1,2,2-Tetrachloroethane

Concen: 18.110 ug/l

RT: 12.499 min Scan# 1768

Delta R.T. 0.000 min

Lab File: VY023113.D

Acq: 15 Aug 2025 09:37

Instrument :

MSVOA_Y

ClientSampleId :

VY0815SBS01

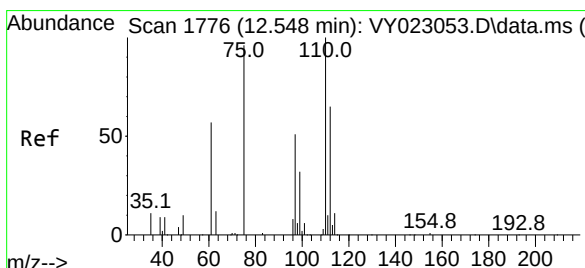
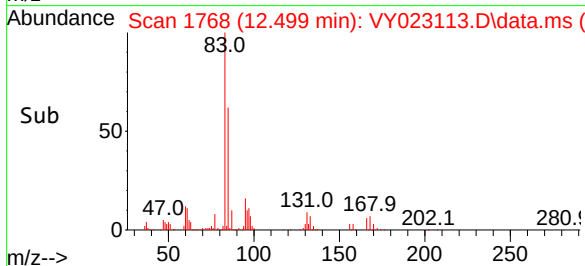
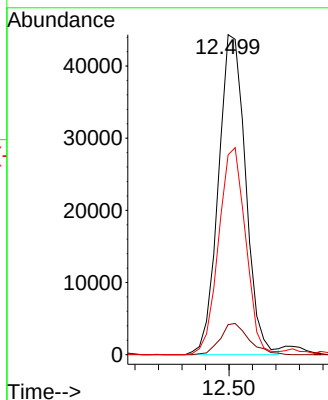
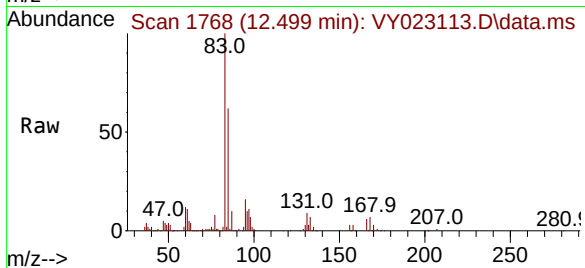
Tgt Ion:	83	Resp:	71400
Ion Ratio	Lower	Upper	
83	100		
131	10.3	5.1	15.3
85	64.3	31.8	95.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/19/2025

Supervised By :Mahesh Dadoda 08/19/2025



#76

1,2,3-Trichloropropane

Concen: 19.457 ug/l m

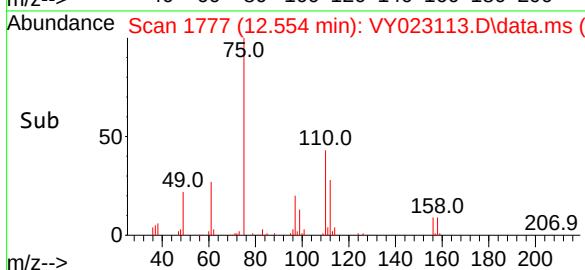
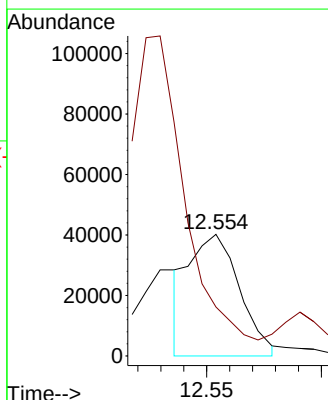
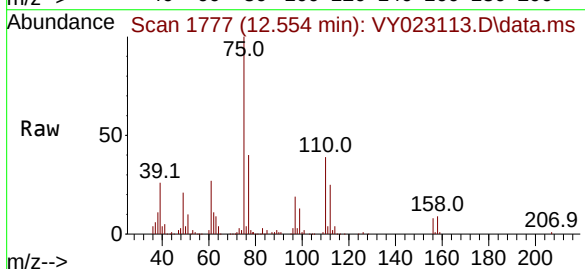
RT: 12.554 min Scan# 1777

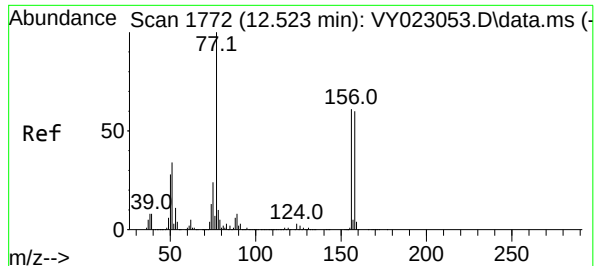
Delta R.T. 0.006 min

Lab File: VY023113.D

Acq: 15 Aug 2025 09:37

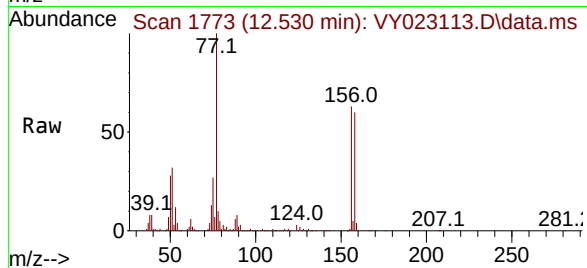
Tgt Ion:	75	Resp:	61433
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77
Bromobenzene
Concen: 19.006 ug/l
RT: 12.530 min Scan# 1772
Delta R.T. 0.006 min
Lab File: VY023113.D
Acq: 15 Aug 2025 09:37

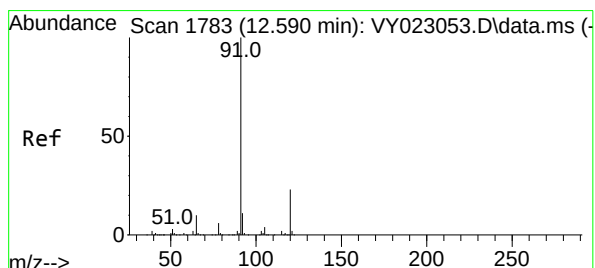
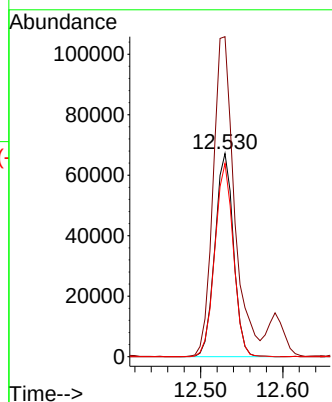
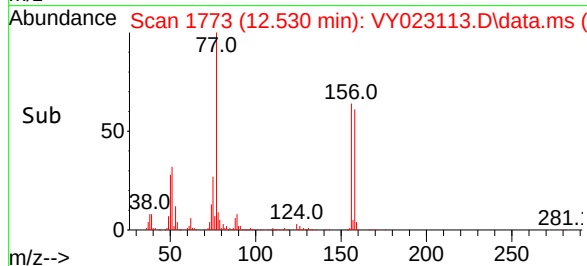
Instrument :
MSVOA_Y
ClientSampleId :
VY0815SBS01



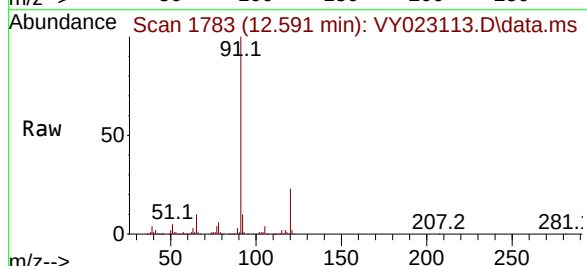
Tgt Ion: 156 Resp: 104694
Ion Ratio Lower Upper
156 100
77 181.4 88.1 264.4
158 95.4 48.0 144.0

Manual Integrations
APPROVED

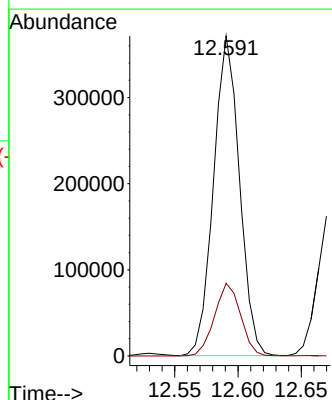
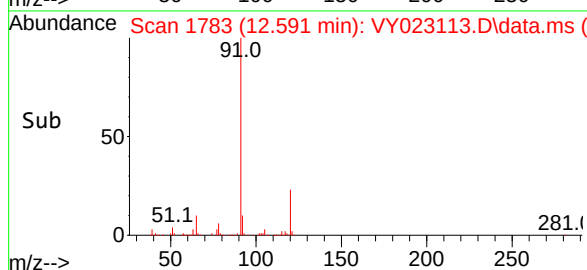
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025

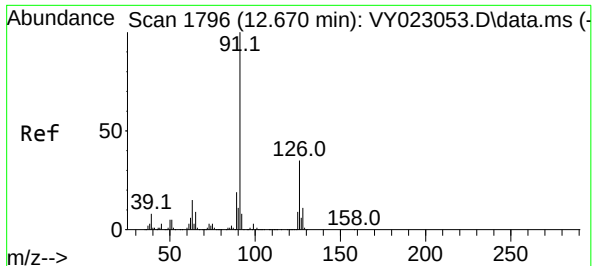


#78
n-propylbenzene
Concen: 19.204 ug/l
RT: 12.591 min Scan# 1783
Delta R.T. 0.000 min
Lab File: VY023113.D
Acq: 15 Aug 2025 09:37



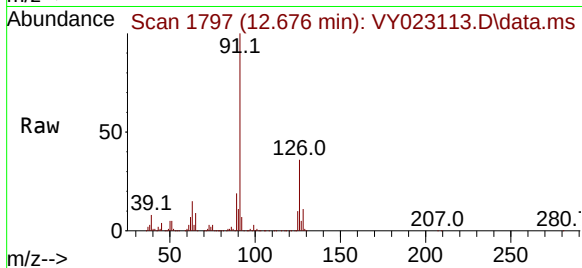
Tgt Ion: 91 Resp: 527930
Ion Ratio Lower Upper
91 100
120 22.9 11.5 34.5





#79
2-Chlorotoluene
Concen: 18.946 ug/l
RT: 12.676 min Scan# 1796
Delta R.T. 0.006 min
Lab File: VY023113.D
Acq: 15 Aug 2025 09:37

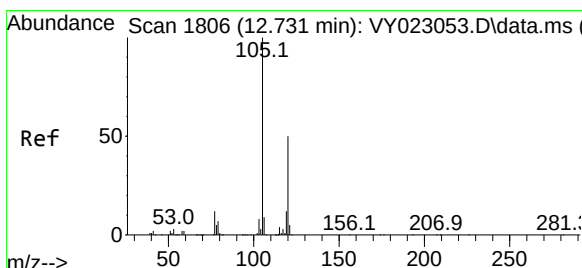
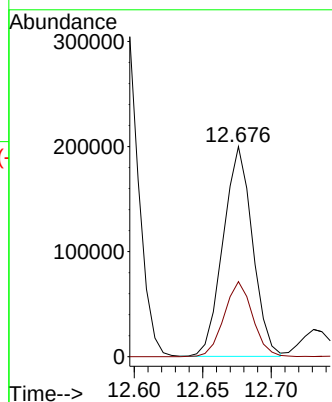
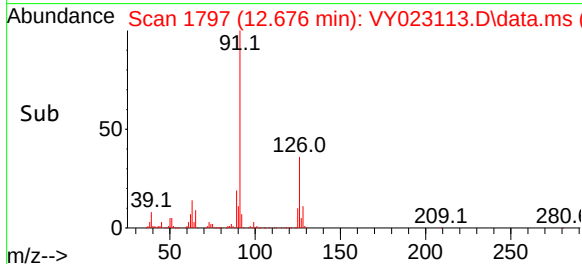
Instrument :
MSVOA_Y
ClientSampleId :
VY0815SBS01



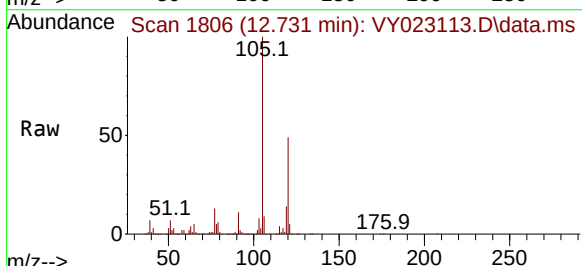
Tgt Ion: 91 Resp: 298409
Ion Ratio Lower Upper
91 100
126 34.8 17.4 52.3

Manual Integrations
APPROVED

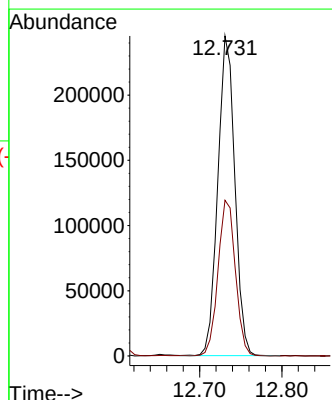
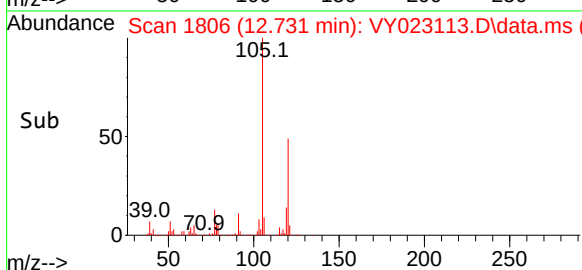
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025

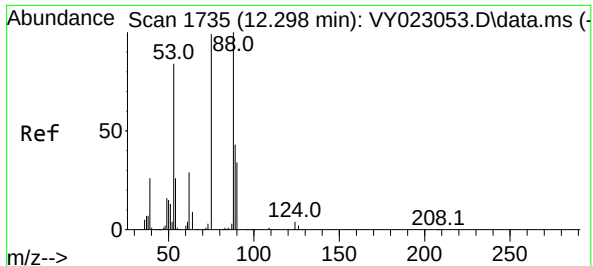


#80
1,3,5-Trimethylbenzene
Concen: 18.850 ug/l
RT: 12.731 min Scan# 1806
Delta R.T. 0.000 min
Lab File: VY023113.D
Acq: 15 Aug 2025 09:37



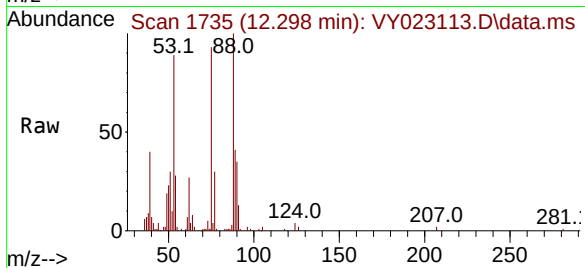
Tgt Ion:105 Resp: 351759
Ion Ratio Lower Upper
105 100
120 49.8 24.8 74.4





#81
trans-1,4-Dichloro-2-butene
Concen: 18.524 ug/l
RT: 12.298 min Scan# 1735
Delta R.T. 0.000 min
Lab File: VY023113.D
Acq: 15 Aug 2025 09:37

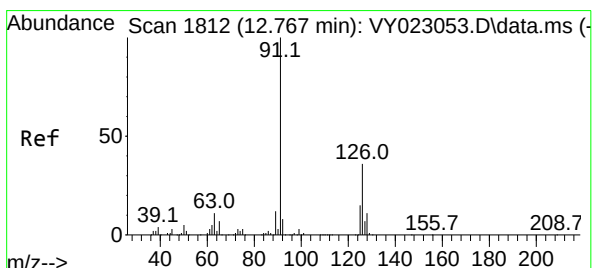
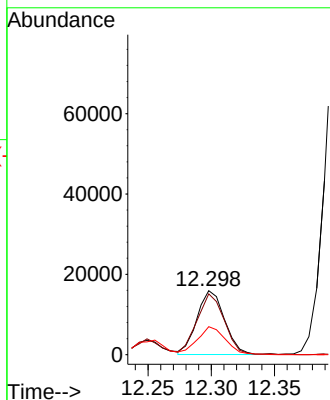
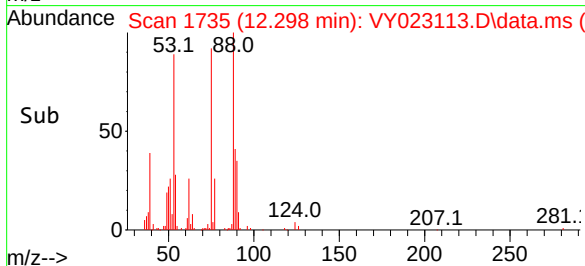
Instrument :
MSVOA_Y
ClientSampleId :
VY0815SBS01



Tgt Ion: 75 Resp: 2416
Ion Ratio Lower Upper
75 100
53 92.8 70.8 106.2
89 44.7 38.1 57.1

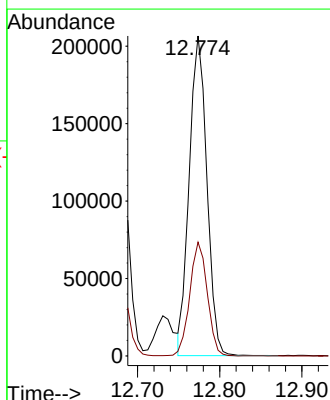
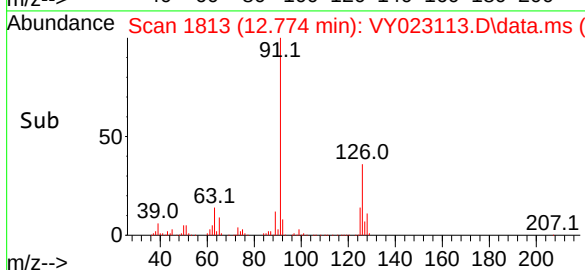
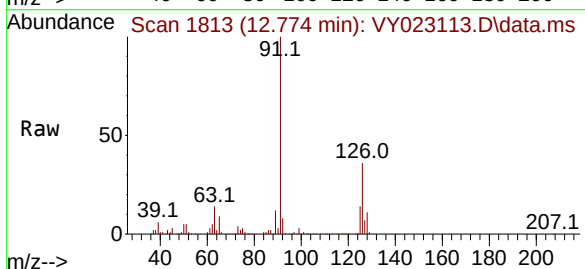
Manual Integrations
APPROVED

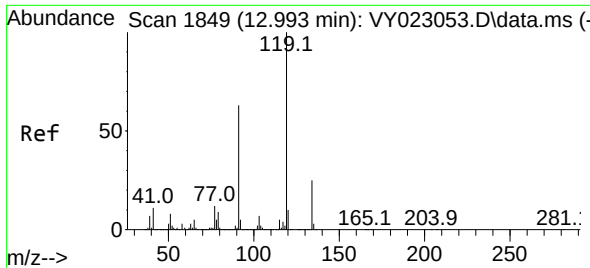
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025



#82
4-Chlorotoluene
Concen: 18.799 ug/l
RT: 12.774 min Scan# 1813
Delta R.T. 0.006 min
Lab File: VY023113.D
Acq: 15 Aug 2025 09:37

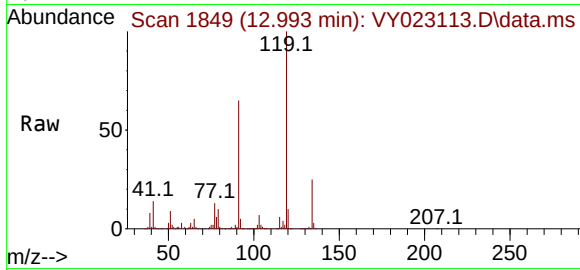
Tgt Ion: 91 Resp: 307174
Ion Ratio Lower Upper
91 100
126 35.4 17.3 52.0





#83
tert-Butylbenzene
Concen: 18.153 ug/l
RT: 12.993 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VY023113.D
Acq: 15 Aug 2025 09:37

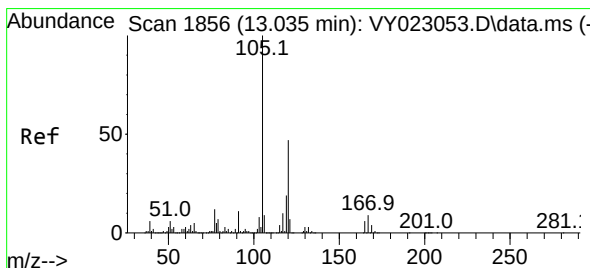
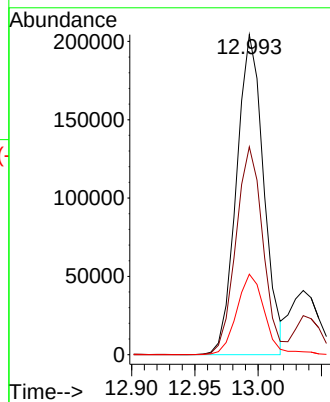
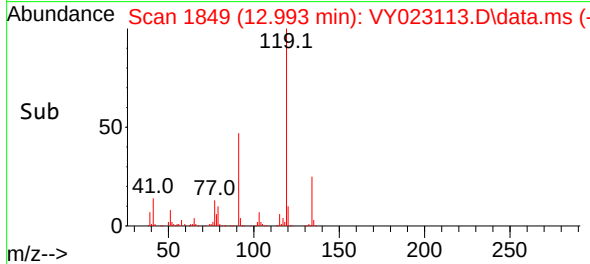
Instrument :
MSVOA_Y
ClientSampleId :
VY0815SBS01



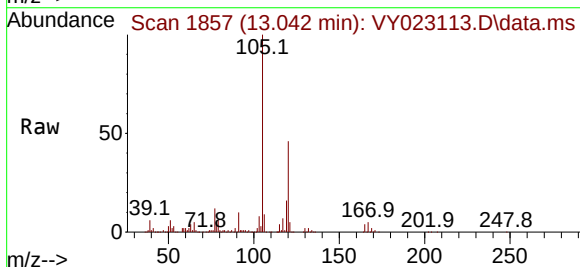
Tgt Ion:119 Resp: 305950
Ion Ratio Lower Upper
119 100
91 65.3 31.6 94.8
134 25.9 12.9 38.7

Manual Integrations
APPROVED

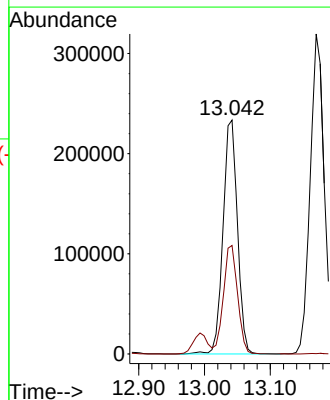
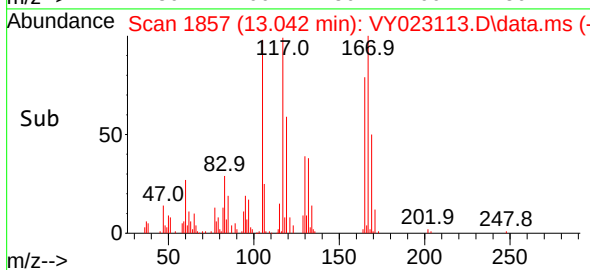
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025

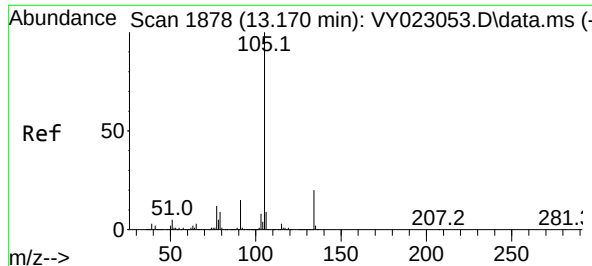


#84
1,2,4-Trimethylbenzene
Concen: 19.199 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.006 min
Lab File: VY023113.D
Acq: 15 Aug 2025 09:37



Tgt Ion:105 Resp: 356647
Ion Ratio Lower Upper
105 100
120 45.5 23.0 69.0





#85

sec-Butylbenzene

Concen: 18.917 ug/l

RT: 13.170 min Scan# 1878

Delta R.T. 0.000 min

Lab File: VY023113.D

Acq: 15 Aug 2025 09:37

Instrument :

MSVOA_Y

ClientSampleId :

VY0815SBS01

Tgt Ion:105 Resp: 468353

Ion Ratio Lower Upper

105 100

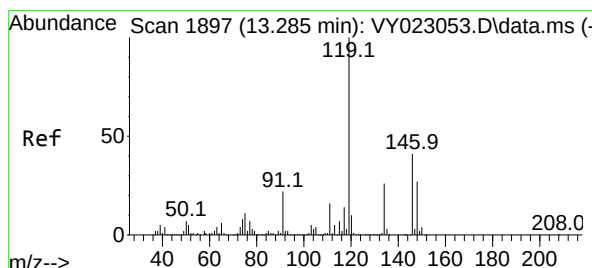
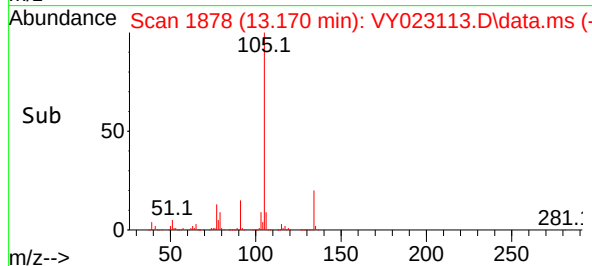
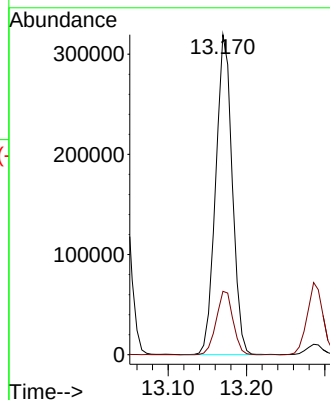
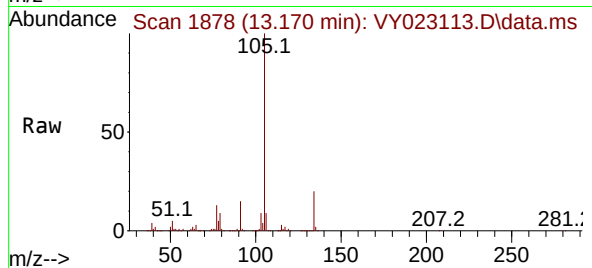
134 20.1 10.2 30.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/19/2025

Supervised By :Mahesh Dadoda 08/19/2025



#86

p-Isopropyltoluene

Concen: 18.897 ug/l

RT: 13.286 min Scan# 1897

Delta R.T. 0.000 min

Lab File: VY023113.D

Acq: 15 Aug 2025 09:37

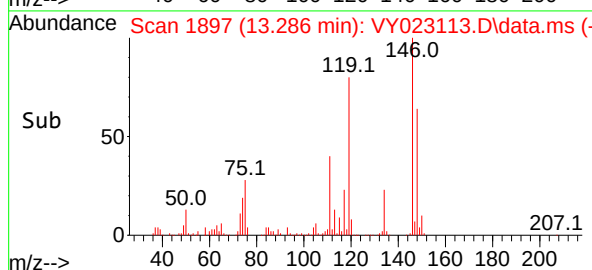
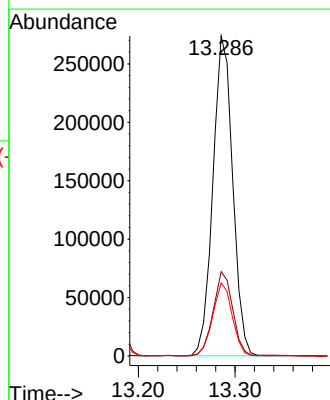
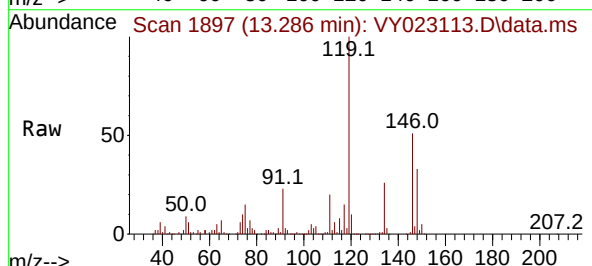
Tgt Ion:119 Resp: 388353

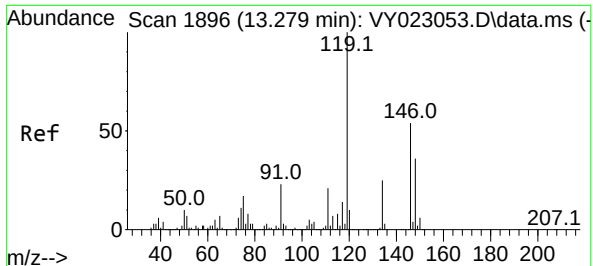
Ion Ratio Lower Upper

119 100

134 26.0 13.2 39.6

91 22.5 11.3 33.8





#87

1,3-Dichlorobenzene

Concen: 19.055 ug/l

RT: 13.286 min Scan# 1896

Delta R.T. 0.006 min

Lab File: VY023113.D

Acq: 15 Aug 2025 09:37

Instrument :

MSVOA_Y

ClientSampleId :

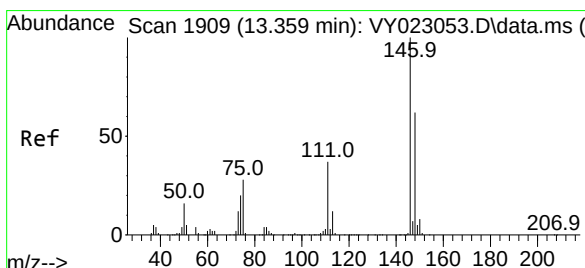
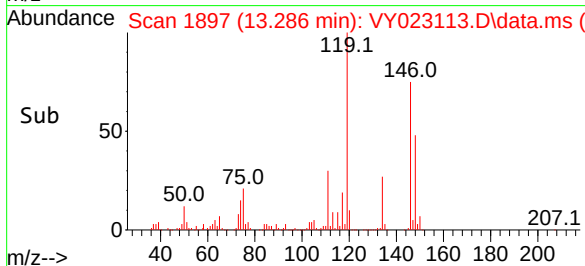
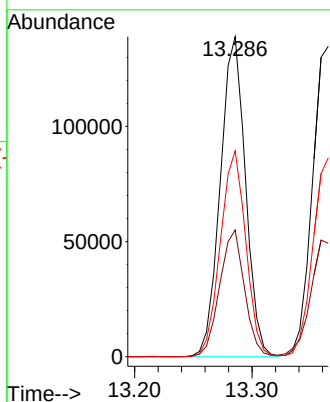
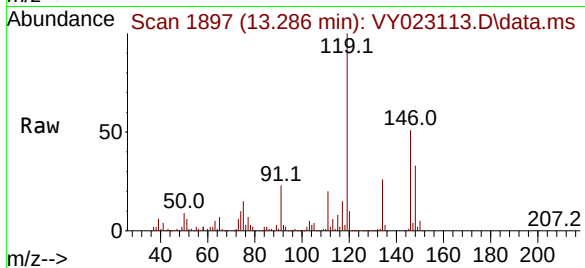
VY0815SBS01

Tgt Ion:146	Resp: 20699
Ion Ratio	Lower Upper
146	100
111	39.1 19.6 58.7
148	65.1 32.5 97.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025



#88

1,4-Dichlorobenzene

Concen: 19.268 ug/l

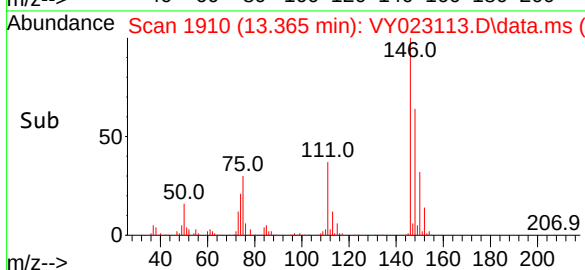
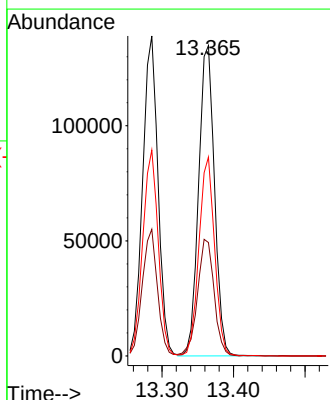
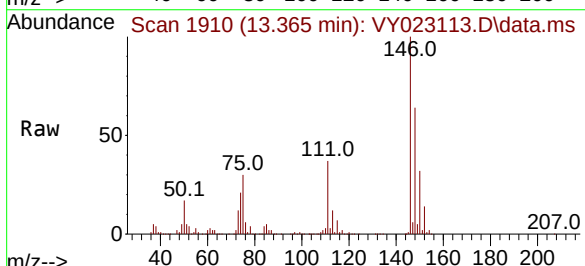
RT: 13.365 min Scan# 1910

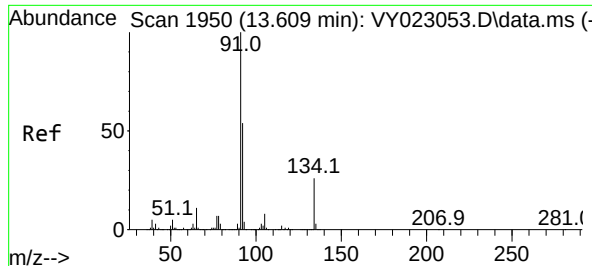
Delta R.T. 0.006 min

Lab File: VY023113.D

Acq: 15 Aug 2025 09:37

Tgt Ion:146	Resp: 207638
Ion Ratio	Lower Upper
146	100
111	39.3 19.1 57.1
148	63.2 31.6 94.7





#89

n-Butylbenzene

Concen: 18.720 ug/l

RT: 13.615 min Scan# 1950

Delta R.T. 0.006 min

Lab File: VY023113.D

Acq: 15 Aug 2025 09:37

Instrument :

MSVOA_Y

ClientSampleId :

VY0815SBS01

Tgt Ion: 91 Resp: 35333

Ion Ratio Lower Upper

91 100

92 52.7 26.9 80.7

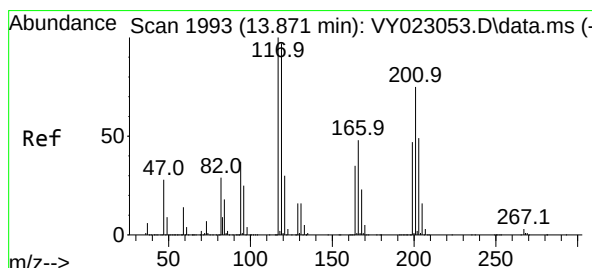
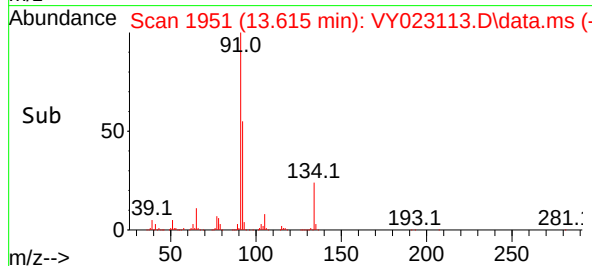
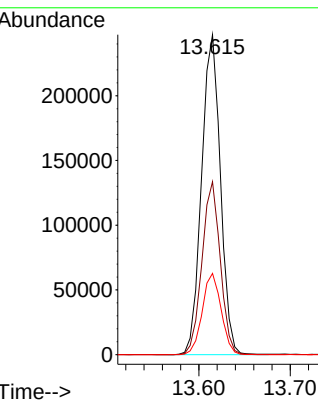
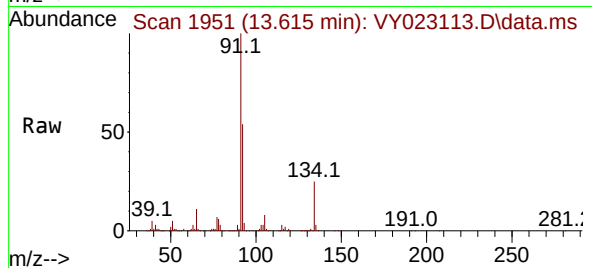
134 25.5 13.2 39.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/19/2025

Supervised By :Mahesh Dadoda 08/19/2025



#90

Hexachloroethane

Concen: 19.725 ug/l

RT: 13.877 min Scan# 1994

Delta R.T. 0.006 min

Lab File: VY023113.D

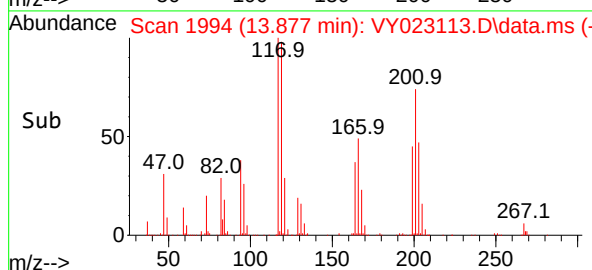
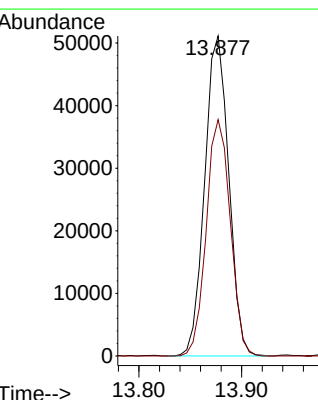
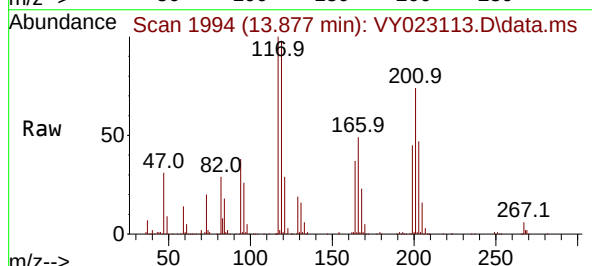
Acq: 15 Aug 2025 09:37

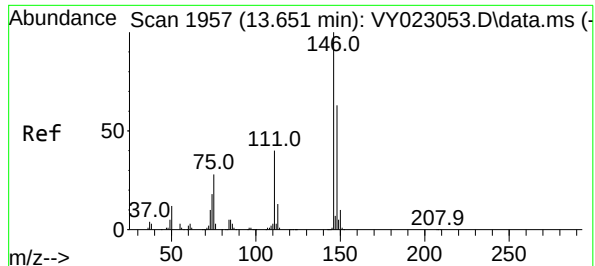
Tgt Ion:117 Resp: 82985

Ion Ratio Lower Upper

117 100

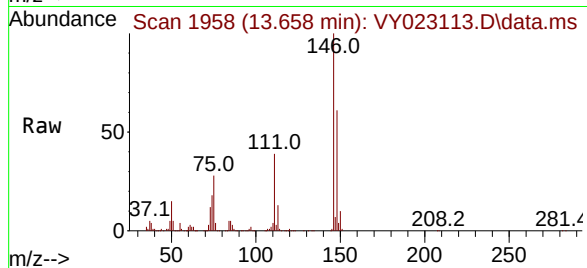
201 73.8 38.4 115.1





#91
1,2-Dichlorobenzene
Concen: 18.946 ug/l
RT: 13.658 min Scan# 1958
Delta R.T. 0.006 min
Lab File: VY023113.D
Acq: 15 Aug 2025 09:37

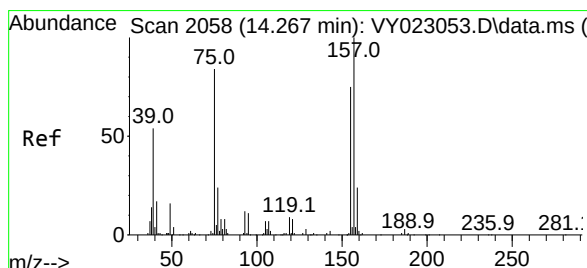
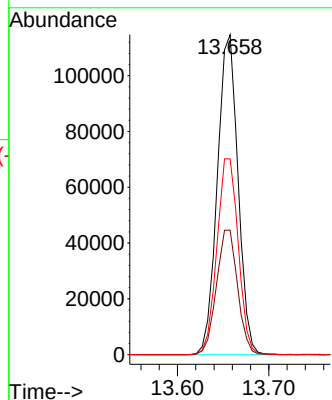
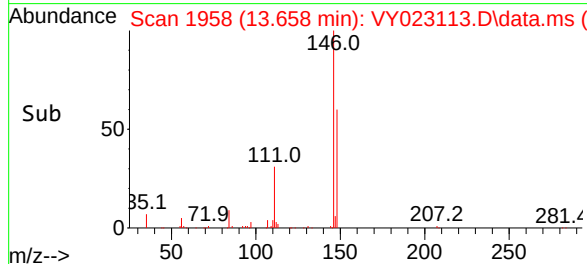
Instrument :
MSVOA_Y
ClientSampleId :
VY0815SBS01



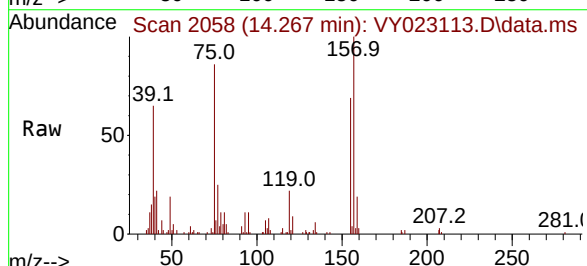
Tgt Ion: 146 Resp: 18050
Ion Ratio Lower Upper
146 100
111 39.9 20.3 60.8
148 63.2 32.2 96.6

Manual Integrations
APPROVED

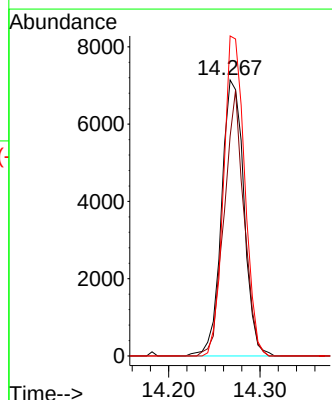
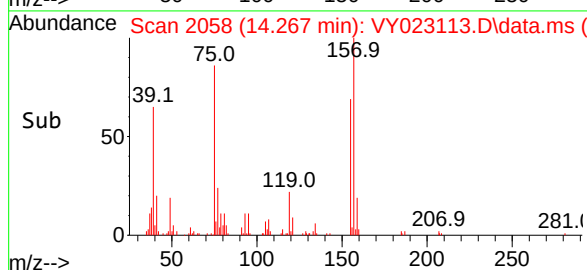
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025

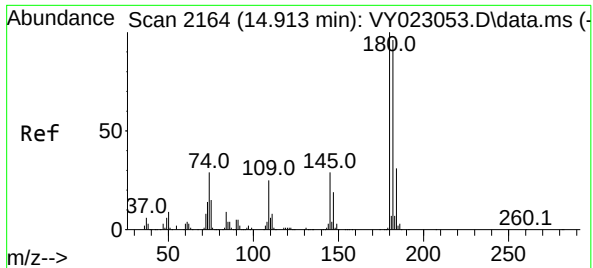


#92
1,2-Dibromo-3-Chloropropane
Concen: 19.809 ug/l
RT: 14.267 min Scan# 2058
Delta R.T. 0.000 min
Lab File: VY023113.D
Acq: 15 Aug 2025 09:37



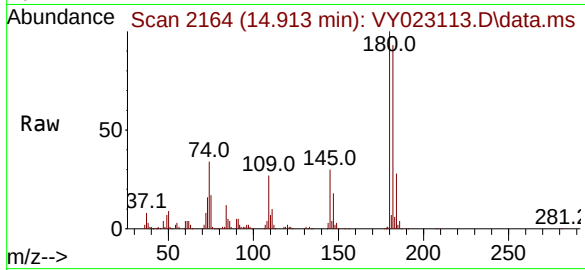
Tgt Ion: 75 Resp: 12160
Ion Ratio Lower Upper
75 100
155 85.4 43.9 131.6
157 109.3 57.2 171.6





#93
1,2,4-Trichlorobenzene
Concen: 18.177 ug/l
RT: 14.913 min Scan# 2164
Delta R.T. 0.000 min
Lab File: VY023113.D
Acq: 15 Aug 2025 09:37

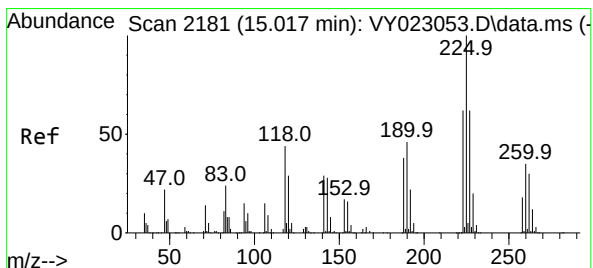
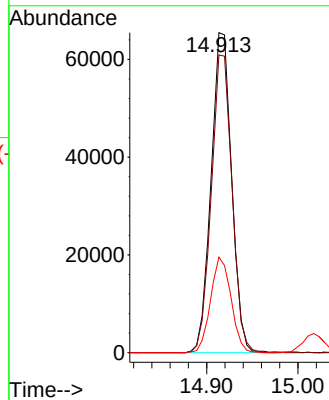
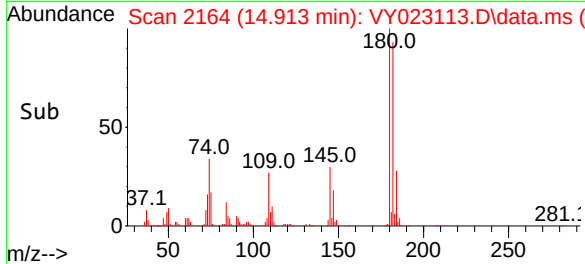
Instrument :
MSVOA_Y
ClientSampleId :
VY0815SBS01



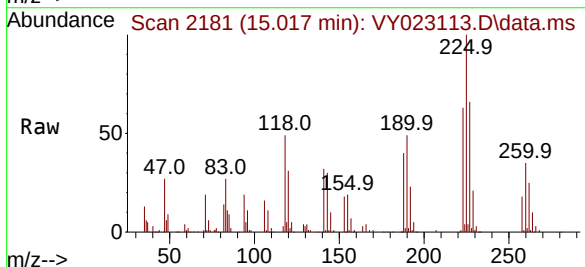
Tgt Ion:180 Resp: 10240
Ion Ratio Lower Upper
180 100
182 93.8 46.8 140.4
145 29.7 14.4 43.4

Manual Integrations
APPROVED

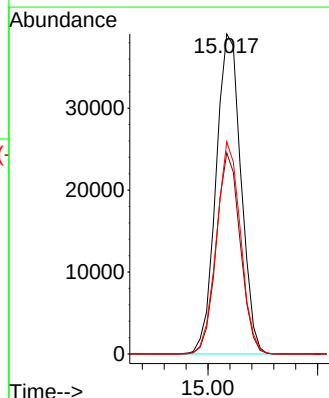
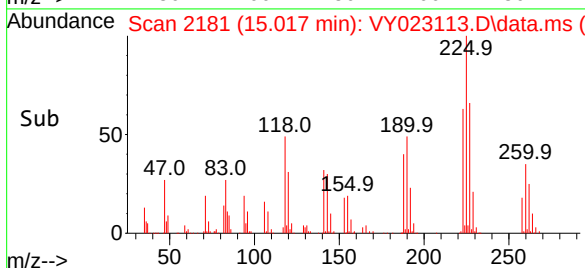
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025

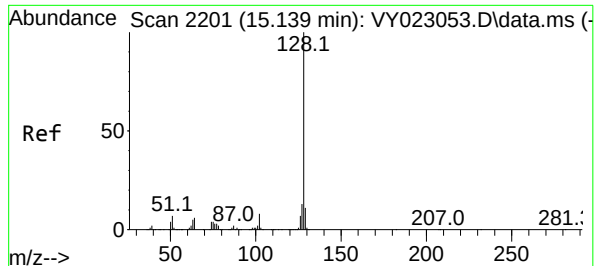


#94
Hexachlorobutadiene
Concen: 18.710 ug/l
RT: 15.017 min Scan# 2181
Delta R.T. 0.000 min
Lab File: VY023113.D
Acq: 15 Aug 2025 09:37



Tgt Ion:225 Resp: 61940
Ion Ratio Lower Upper
225 100
223 60.2 31.3 93.8
227 63.8 31.5 94.5





#95

Naphthalene

Concen: 17.503 ug/l

RT: 15.139 min Scan# 2201

Delta R.T. 0.000 min

Lab File: VY023113.D

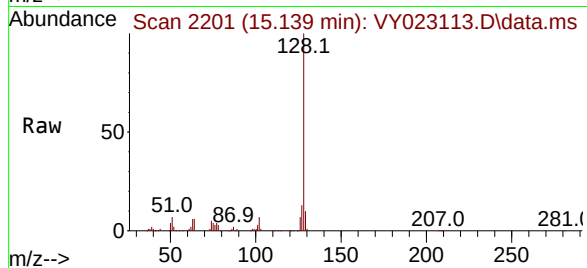
Acq: 15 Aug 2025 09:37

Instrument :

MSVOA_Y

ClientSampleId :

VY0815SBS01



Tgt Ion:128 Resp: 16814

Ion Ratio Lower Upper

128 100

127 12.8 10.4 15.6

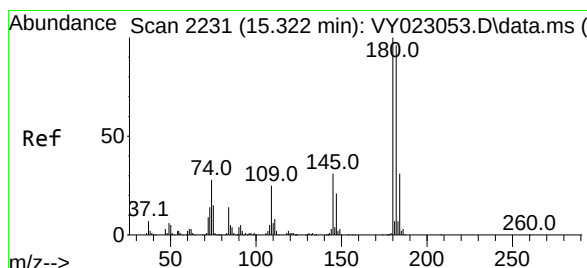
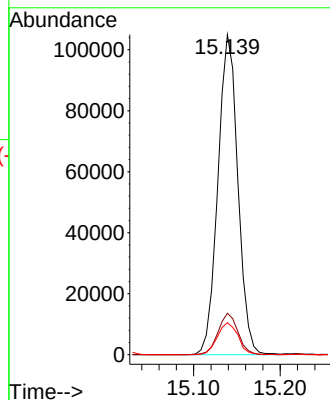
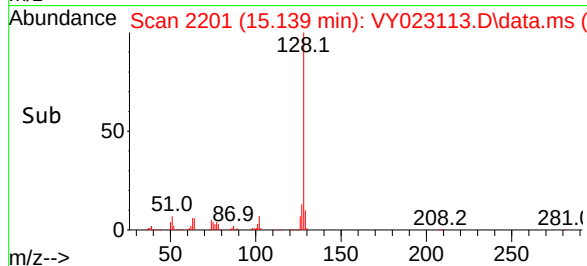
129 10.4 9.0 13.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/19/2025

Supervised By :Mahesh Dadoda 08/19/2025



#96

1,2,3-Trichlorobenzene

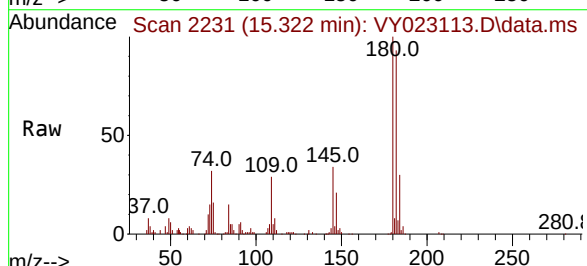
Concen: 17.892 ug/l

RT: 15.322 min Scan# 2231

Delta R.T. 0.000 min

Lab File: VY023113.D

Acq: 15 Aug 2025 09:37



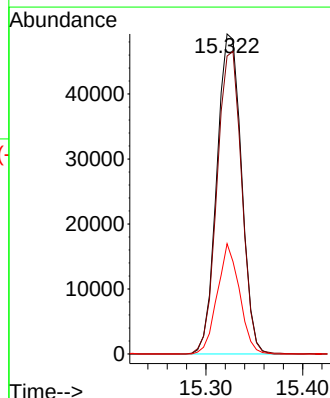
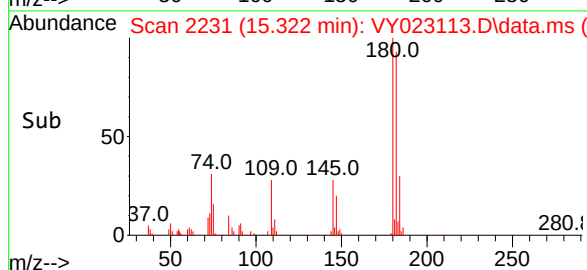
Tgt Ion:180 Resp: 86860

Ion Ratio Lower Upper

180 100

182 94.7 47.9 143.7

145 31.1 15.9 47.7



Report of Analysis

Client:	First Environment, Inc.	Date Collected:	
Project:	USACE018-44 DOD	Date Received:	
Client Sample ID:	VY0819SBS01	SDG No.:	Q2820
Lab Sample ID:	VY0819SBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY023139.D	1	08/19/25 10:19	VY081925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	20.7		1.10	4.00	5.00	ug/Kg
74-87-3	Chloromethane	20.2		1.10	2.50	5.00	ug/Kg
75-01-4	Vinyl Chloride	20.6		0.79	2.50	5.00	ug/Kg
74-83-9	Bromomethane	23.2		1.10	4.00	5.00	ug/Kg
75-00-3	Chloroethane	20.8		1.30	2.50	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	20.0		1.20	4.00	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	21.5		1.10	2.50	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	20.8		1.00	2.50	5.00	ug/Kg
67-64-1	Acetone	110		4.70	20.0	25.0	ug/Kg
75-15-0	Carbon Disulfide	19.9		1.10	4.00	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	19.7		0.73	2.50	5.00	ug/Kg
79-20-9	Methyl Acetate	17.4		1.50	4.00	5.00	ug/Kg
75-09-2	Methylene Chloride	18.9		3.50	8.00	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	21.0		0.86	2.50	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	20.0		0.80	2.50	5.00	ug/Kg
110-82-7	Cyclohexane	19.6		0.79	2.50	5.00	ug/Kg
78-93-3	2-Butanone	100		6.50	20.0	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	21.4		0.97	2.50	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	20.6		0.75	2.50	5.00	ug/Kg
74-97-5	Bromochloromethane	19.5		1.20	4.00	5.00	ug/Kg
67-66-3	Chloroform	20.7		0.84	4.00	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	20.8		0.93	2.50	5.00	ug/Kg
108-87-2	Methylcyclohexane	20.8		0.91	2.50	5.00	ug/Kg
71-43-2	Benzene	21.1		0.79	2.50	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	20.2		0.79	2.50	5.00	ug/Kg
79-01-6	Trichloroethene	21.2		0.81	2.50	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	20.5		0.91	2.50	5.00	ug/Kg
75-27-4	Bromodichloromethane	20.7		0.78	2.50	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	93.7		3.60	12.5	25.0	ug/Kg
108-88-3	Toluene	21.0		0.78	2.50	5.00	ug/Kg

Report of Analysis

Client:	First Environment, Inc.		Date Collected:	
Project:	USACE018-44 DOD		Date Received:	
Client Sample ID:	VY0819SBS01		SDG No.:	Q2820
Lab Sample ID:	VY0819SBS01		Matrix:	SOIL
Analytical Method:	8260D		% Solid:	100
Sample Wt/Vol:	5	Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY023139.D	1	08/19/25 10:19	VY081925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	20.1		0.65	2.50	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	20.5		0.62	2.50	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	20.4		0.92	2.50	5.00	ug/Kg
591-78-6	2-Hexanone	99.0		3.70	12.5	25.0	ug/Kg
124-48-1	Dibromochloromethane	20.6		0.87	2.50	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	20.3		0.88	2.50	5.00	ug/Kg
127-18-4	Tetrachloroethene	20.5		1.10	2.50	5.00	ug/Kg
108-90-7	Chlorobenzene	21.3		0.91	2.50	5.00	ug/Kg
100-41-4	Ethyl Benzene	20.8		0.67	2.50	5.00	ug/Kg
179601-23-1	m/p-Xylenes	42.0		1.20	5.00	10.0	ug/Kg
95-47-6	o-Xylene	21.0		0.82	2.50	5.00	ug/Kg
100-42-5	Styrene	21.0		0.71	2.50	5.00	ug/Kg
75-25-2	Bromoform	20.5		0.86	2.50	5.00	ug/Kg
98-82-8	Isopropylbenzene	21.2		0.78	2.50	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	20.7		1.20	2.50	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	20.9		1.70	2.50	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	20.8		1.60	2.50	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	20.5		1.50	2.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	19.5		1.80	4.00	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	20.2		3.00	4.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	20.1		3.20	4.00	5.00	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	47.4		71 - 136		95%	SPK: 50
1868-53-7	Dibromofluoromethane	48.6		78 - 119		97%	SPK: 50
2037-26-5	Toluene-d8	49.6		85 - 116		99%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.5		79 - 119		97%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	518000	7.707				
540-36-3	1,4-Difluorobenzene	817000	8.615				
3114-55-4	Chlorobenzene-d5	707000	11.413				
3855-82-1	1,4-Dichlorobenzene-d4	353000	13.346				

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	
Project:	USACE018-44 DOD	Date Received:	
Client Sample ID:	VY0819SBS01	SDG No.:	Q2820
Lab Sample ID:	VY0819SBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5	Units:	g
Soil Aliquot Vol:			uL
GC Column:	RXI-624	ID :	0.25
Prep Method :		Level :	LOW

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY023139.D	1	08/19/25 10:19	VY081925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
------------	-----------	-------	-----------	-----	-----	------------	-------

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081925\
 Data File : VY023139.D
 Acq On : 19 Aug 2025 10:19
 Operator : SY/MD
 Sample : VY0819SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0819SBS01

Quant Time: Aug 20 01:24:30 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 13 02:10:11 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John Carlone 08/20/2025
 Supervised By :Mahesh Dadoda 08/20/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	517532	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	816918	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.413	117	707204	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	352720	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.060	65	233623	47.365	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	94.720%		
35) Dibromofluoromethane	7.634	113	237406	48.567	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	97.140%		
50) Toluene-d8	10.109	98	947313	49.608	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	99.220%		
62) 4-Bromofluorobenzene	12.401	95	298119	48.544	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	97.080%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.866	85	87281	20.661	ug/l	100
3) Chloromethane	2.074	50	138015	20.171	ug/l	100
4) Vinyl Chloride	2.208	62	173827	20.552	ug/l	99
5) Bromomethane	2.592	94	146241	23.152	ug/l	98
6) Chloroethane	2.738	64	116717	20.757	ug/l	99
7) Trichlorofluoromethane	3.055	101	205259	19.958	ug/l	98
8) Diethyl Ether	3.458	74	54043	19.862	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.817	101	109139	21.510	ug/l	99
10) Methyl Iodide	4.006	142	105447	19.260	ug/l	99
11) Tert butyl alcohol	4.860	59	29364	86.885	ug/l	100
12) 1,1-Dichloroethene	3.793	96	103754	20.804	ug/l	91
13) Acrolein	3.653	56	35491	71.706	ug/l	96
14) Allyl chloride	4.384	41	138299	18.846	ug/l	96
15) Acrylonitrile	5.055	53	104521	94.488	ug/l	98
16) Acetone	3.872	43	120414	112.685	ug/l	98
17) Carbon Disulfide	4.104	76	323680	19.905	ug/l	99
18) Methyl Acetate	4.384	43	55412	17.426	ug/l	97
19) Methyl tert-butyl Ether	5.116	73	254848	19.720	ug/l	97
20) Methylene Chloride	4.616	84	114203	18.875	ug/l	97
21) trans-1,2-Dichloroethene	5.116	96	117658	20.993	ug/l	96
22) Diisopropyl ether	6.018	45	314582	19.728	ug/l	95
23) Vinyl Acetate	5.963	43	837107	94.938	ug/l	97
24) 1,1-Dichloroethane	5.921	63	194782	19.979	ug/l	100
25) 2-Butanone	6.890	43	146563	100.847	ug/l	99
26) 2,2-Dichloropropane	6.890	77	179625	21.352	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	133354	20.582	ug/l	97
28) Bromochloromethane	7.244	49	75324	19.474	ug/l	96
29) Tetrahydrofuran	7.262	42	81427	90.389	ug/l	98
30) Chloroform	7.426	83	208029	20.690	ug/l	100
31) Cyclohexane	7.701	56	180441	19.640	ug/l	94
32) 1,1,1-Trichloroethane	7.615	97	185862	20.833	ug/l	99
36) 1,1-Dichloropropene	7.835	75	149696	20.606	ug/l	99
37) Ethyl Acetate	6.981	43	56943	18.660	ug/l	98
38) Carbon Tetrachloride	7.817	117	169089	21.430	ug/l	99
39) Methylcyclohexane	9.109	83	199011	20.803	ug/l	99
40) Benzene	8.079	78	471421	21.055	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081925\
 Data File : VY023139.D
 Acq On : 19 Aug 2025 10:19
 Operator : SY/MD
 Sample : VY0819SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0819SBS01

Quant Time: Aug 20 01:24:30 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 13 02:10:11 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 08/20/2025
 Supervised By : Mahesh Dadoda 08/20/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.219	41	32549m	18.482	ug/l	
42) 1,2-Dichloroethane	8.158	62	117552	20.187	ug/l	100
43) Isopropyl Acetate	8.195	43	113681	18.431	ug/l	99
44) Trichloroethene	8.865	130	122590	21.187	ug/l	98
45) 1,2-Dichloropropane	9.140	63	105641	20.506	ug/l	99
46) Dibromomethane	9.231	93	62014	20.972	ug/l	97
47) Bromodichloromethane	9.420	83	157692	20.725	ug/l	98
48) Methyl methacrylate	9.219	41	54599	18.499	ug/l	93
49) 1,4-Dioxane	9.231	88	13295	383.459	ug/l	96
51) 4-Methyl-2-Pentanone	9.999	43	298177	93.721	ug/l	99
52) Toluene	10.170	92	299030	21.028	ug/l	99
53) t-1,3-Dichloropropene	10.395	75	138793	20.144	ug/l	99
54) cis-1,3-Dichloropropene	9.853	75	166637	20.453	ug/l	98
55) 1,1,2-Trichloroethane	10.572	97	80520	20.350	ug/l	95
56) Ethyl methacrylate	10.438	69	94888	18.741	ug/l	99
57) 1,3-Dichloropropane	10.718	76	138195	20.594	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.713	63	226098	94.672	ug/l	98
59) 2-Hexanone	10.761	43	214547	99.034	ug/l	100
60) Dibromochloromethane	10.907	129	107311	20.554	ug/l	100
61) 1,2-Dibromoethane	11.017	107	75418	20.280	ug/l	100
64) Tetrachloroethene	10.645	164	129655	20.532	ug/l	99
65) Chlorobenzene	11.438	112	325629	21.346	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.517	131	109752	21.199	ug/l	98
67) Ethyl Benzene	11.517	91	545176	20.767	ug/l	98
68) m/p-Xylenes	11.627	106	430120	41.951	ug/l	100
69) o-Xylene	11.956	106	201847	21.020	ug/l	100
70) Styrene	11.968	104	330216	21.028	ug/l	99
71) Bromoform	12.127	173	62105	20.525	ug/l #	99
73) Isopropylbenzene	12.255	105	527385	21.185	ug/l	99
74) N-amyl acetate	12.066	43	98366	18.632	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.505	83	87962	20.694	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	61598m	18.095	ug/l	
77) Bromobenzene	12.529	156	122298	20.592	ug/l	99
78) n-propylbenzene	12.596	91	629976	21.255	ug/l	99
79) 2-Chlorotoluene	12.675	91	356441	20.990	ug/l	100
80) 1,3,5-Trimethylbenzene	12.736	105	422945	21.022	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	27897	19.838	ug/l	98
82) 4-Chlorotoluene	12.773	91	366476	20.803	ug/l	99
83) tert-Butylbenzene	12.992	119	383813	21.122	ug/l	99
84) 1,2,4-Trimethylbenzene	13.041	105	426567	21.298	ug/l	99
85) sec-Butylbenzene	13.175	105	572911	21.463	ug/l	100
86) p-Isopropyltoluene	13.291	119	473600	21.375	ug/l	100
87) 1,3-Dichlorobenzene	13.285	146	245224	20.938	ug/l	98
88) 1,4-Dichlorobenzene	13.364	146	241992	20.829	ug/l	99
89) n-Butylbenzene	13.614	91	427124	20.989	ug/l	99
90) Hexachloroethane	13.876	117	97949	21.595	ug/l	98
91) 1,2-Dichlorobenzene	13.657	146	210816	20.524	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	12905	19.499	ug/l	98
93) 1,2,4-Trichlorobenzene	14.919	180	122439	20.157	ug/l	98
94) Hexachlorobutadiene	15.023	225	75487	21.149	ug/l	99
95) Naphthalene	15.145	128	198080	19.124	ug/l	99
96) 1,2,3-Trichlorobenzene	15.327	180	105286	20.115	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081925\
Data File : VY023139.D
Acq On : 19 Aug 2025 10:19
Operator : SY/MD
Sample : VY0819SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBS01

Manual Integrations
APPROVED

Reviewed By : John Carlone 08/20/2025
Supervised By : Mahesh Dadoda 08/20/2025

Quant Time: Aug 20 01:24:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

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

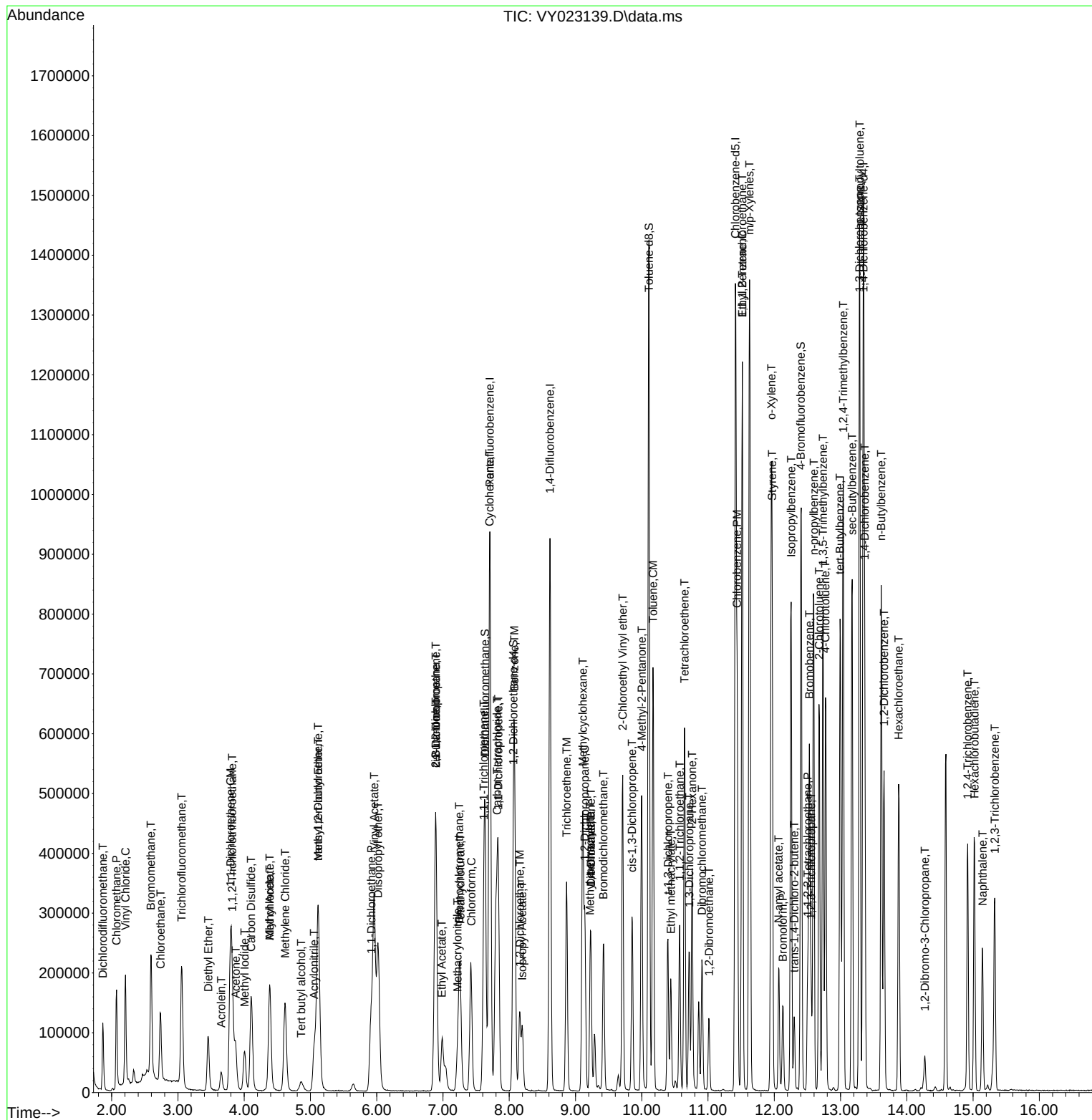
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 Data File : VY023139.D
 Acq On : 19 Aug 2025 10:19
 Operator : SY/MD
 Sample : VY0819SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/soil
 ALS Vial : 4 Sample Multiplier: 1

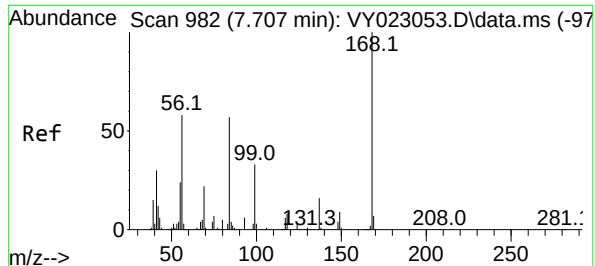
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0819SBS01

Quant Time: Aug 20 01:24:30 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 13 02:10:11 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 08/20/2025
 Supervised By : Mahesh Dadoda 08/20/2025





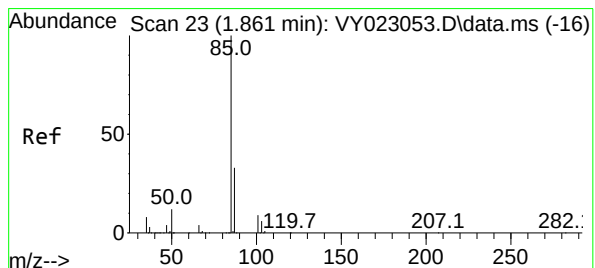
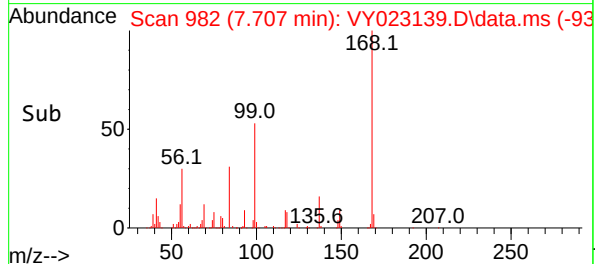
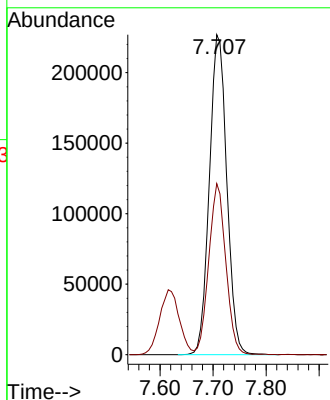
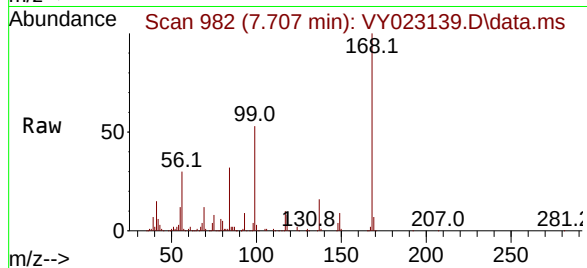
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.000 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBS01

Tgt Ion:168 Resp: 51753
Ion Ratio Lower Upper
168 100
99 53.4 42.8 64.2

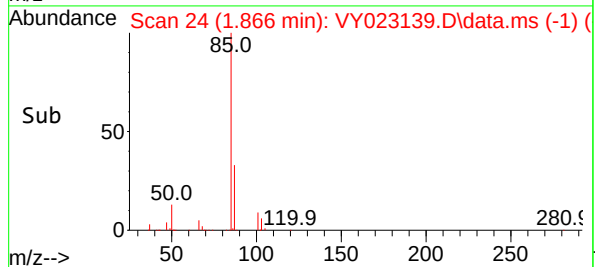
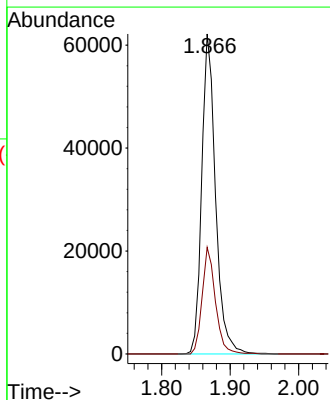
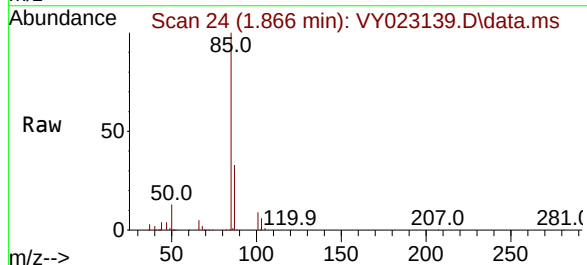
Manual Integrations
APPROVED

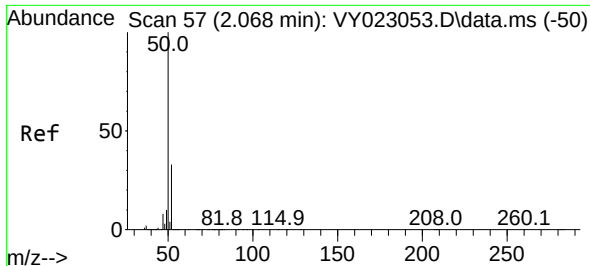
Reviewed By :John Carlone 08/20/2025
Supervised By :Mahesh Dadoda 08/20/2025



#2
Dichlorodifluoromethane
Concen: 20.661 ug/l
RT: 1.866 min Scan# 24
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Tgt Ion: 85 Resp: 87281
Ion Ratio Lower Upper
85 100
87 33.3 16.6 49.8





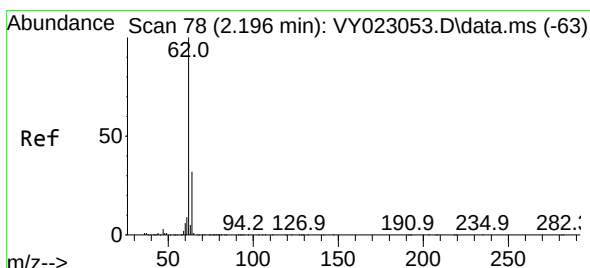
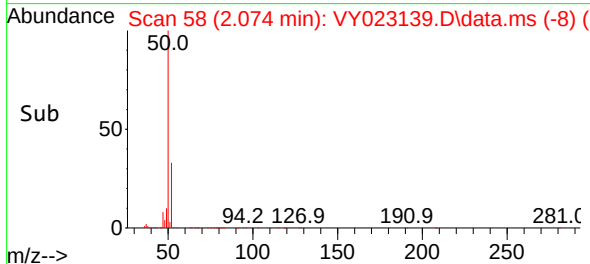
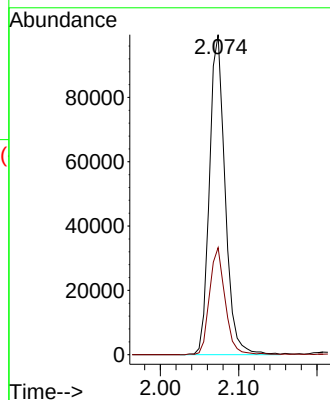
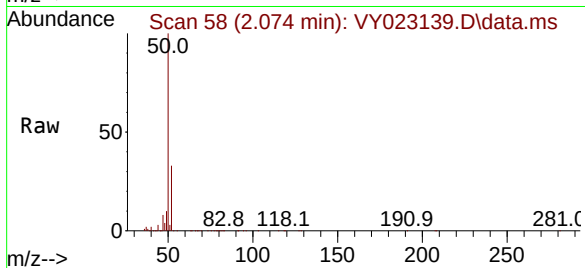
#3
Chloromethane
Concen: 20.171 ug/l
RT: 2.074 min Scan# 50
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBS01

Tgt Ion: 50 Resp: 138015
Ion Ratio Lower Upper
50 100
52 33.5 26.7 40.1

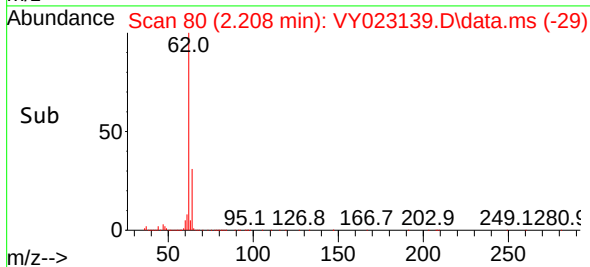
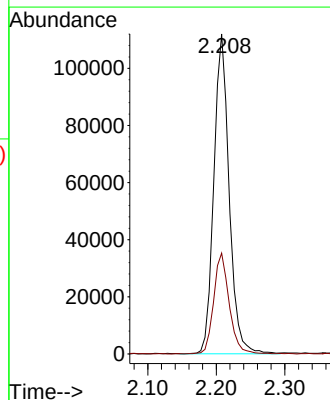
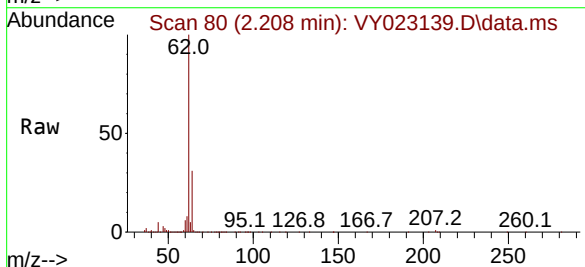
Manual Integrations
APPROVED

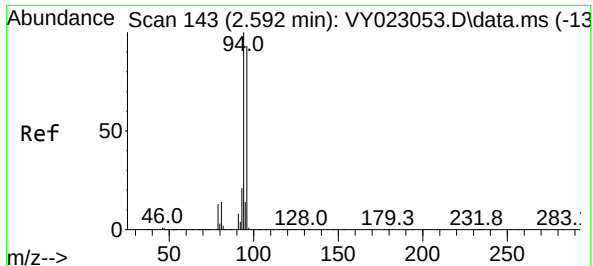
Reviewed By :John Carlone 08/20/2025
Supervised By :Mahesh Dadoda 08/20/2025



#4
Vinyl Chloride
Concen: 20.552 ug/l
RT: 2.208 min Scan# 80
Delta R.T. 0.012 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Tgt Ion: 62 Resp: 173827
Ion Ratio Lower Upper
62 100
64 31.4 25.4 38.0





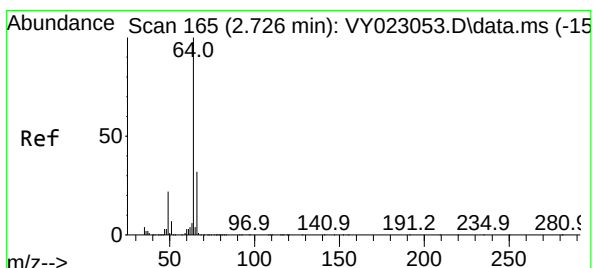
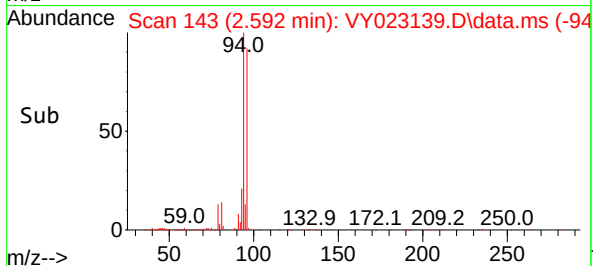
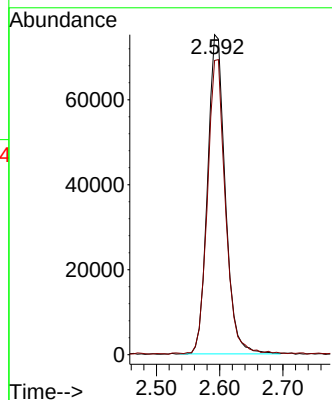
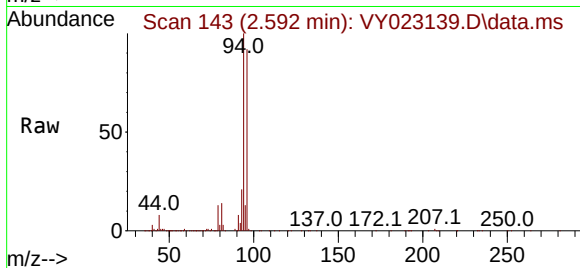
#5
Bromomethane
Concen: 23.152 ug/l
RT: 2.592 min Scan# 143
Delta R.T. -0.000 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBS01

Tgt Ion: 94 Resp: 14624
Ion Ratio Lower Upper
94 100
96 91.7 74.6 112.0

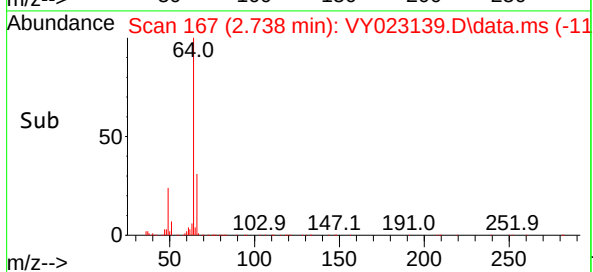
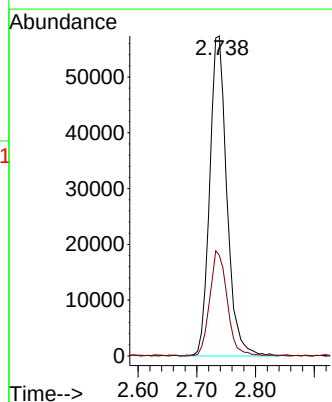
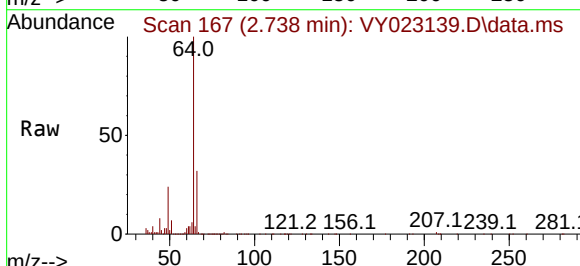
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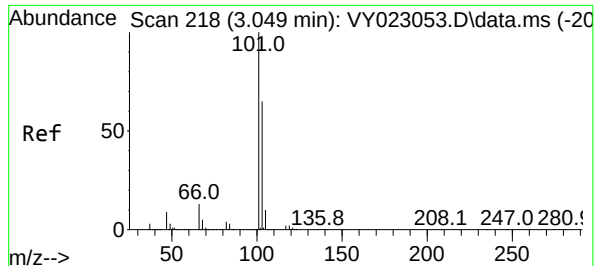
Reviewed By :John Carlone 08/20/2025
Supervised By :Mahesh Dadoda 08/20/2025



#6
Chloroethane
Concen: 20.757 ug/l
RT: 2.738 min Scan# 167
Delta R.T. 0.012 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Tgt Ion: 64 Resp: 116717
Ion Ratio Lower Upper
64 100
66 31.5 25.8 38.6





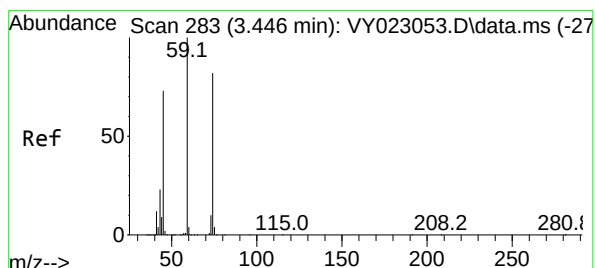
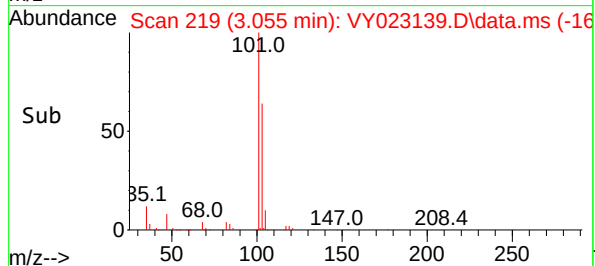
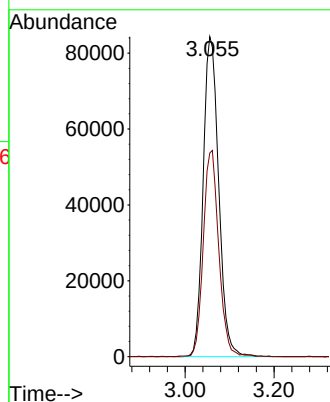
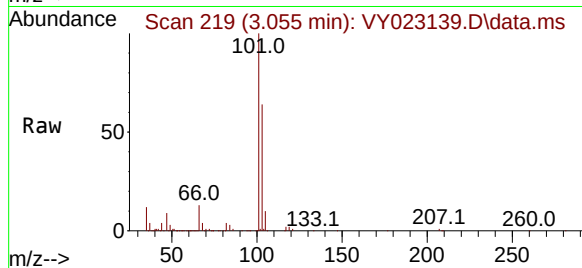
#7
Trichlorofluoromethane
Concen: 19.958 ug/l
RT: 3.055 min Scan# 218
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBS01

Tgt Ion:101 Resp: 205259
Ion Ratio Lower Upper
101 100
103 63.6 51.9 77.9

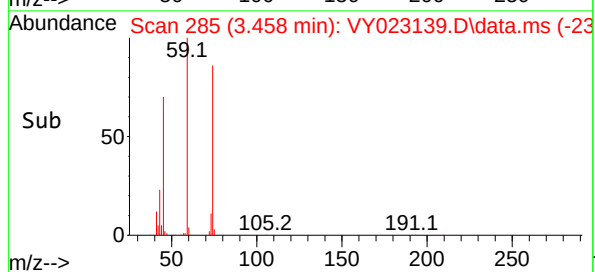
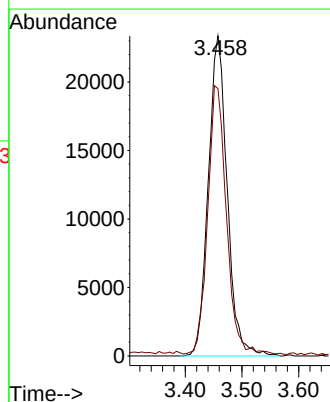
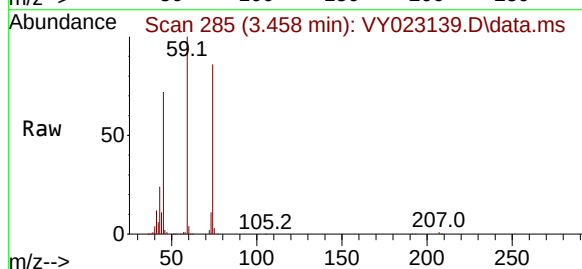
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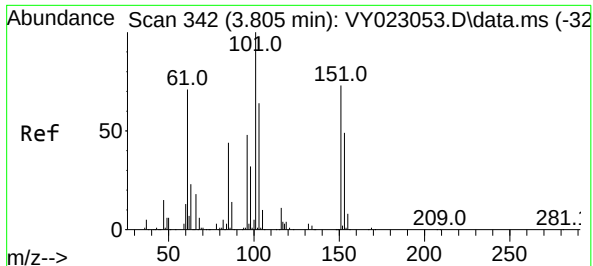
Reviewed By :John Carlone 08/20/2025
Supervised By :Mahesh Dadoda 08/20/2025



#8
Diethyl Ether
Concen: 19.862 ug/l
RT: 3.458 min Scan# 285
Delta R.T. 0.012 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Tgt Ion: 74 Resp: 54043
Ion Ratio Lower Upper
74 100
45 83.3 44.4 133.2





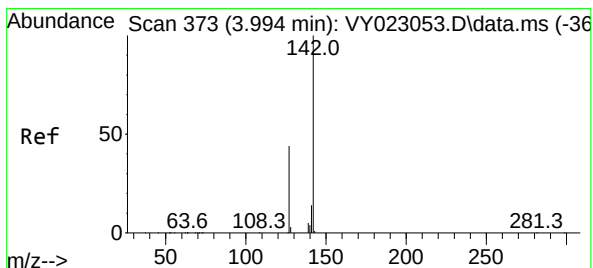
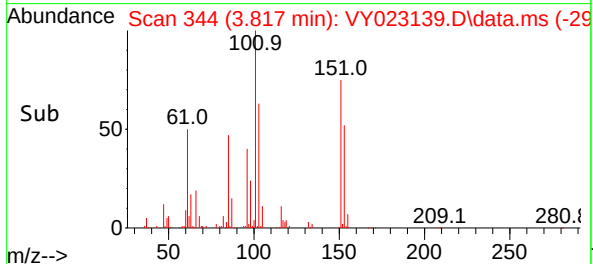
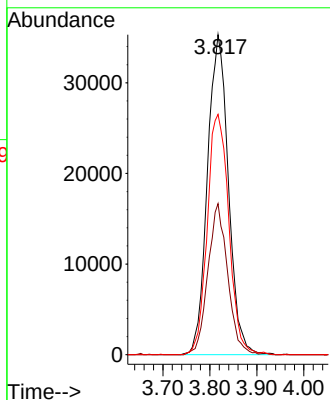
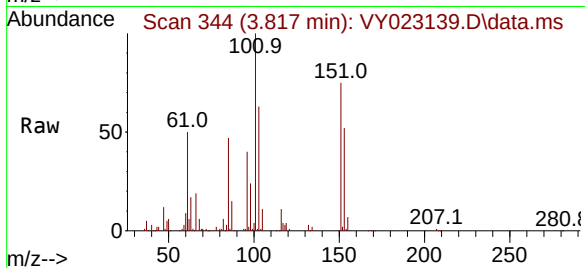
#9
1,1,2-Trichlorotrifluoroethane
Concen: 21.510 ug/l
RT: 3.817 min Scan# 342
Delta R.T. 0.012 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBS01

Tgt Ion:101 Resp: 109139
Ion Ratio Lower Upper
101 100
85 44.6 36.3 54.5
151 77.5 61.5 92.3

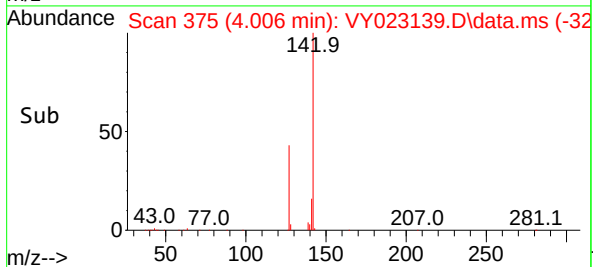
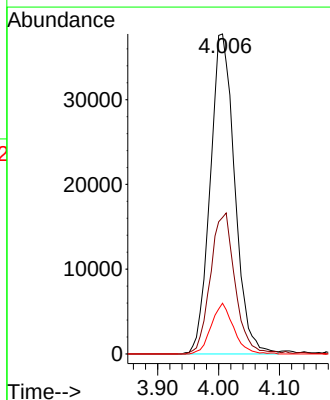
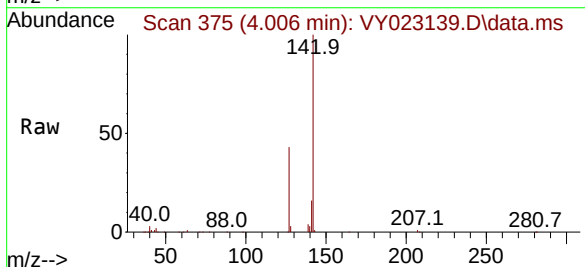
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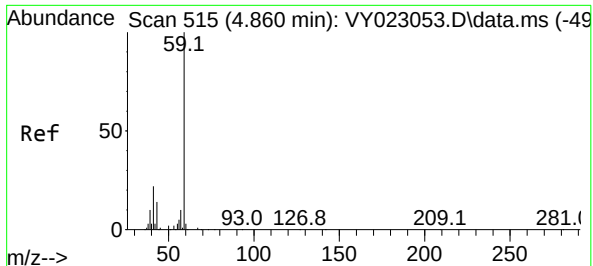
Reviewed By :John Carlone 08/20/2025
Supervised By :Mahesh Dadoda 08/20/2025



#10
Methyl Iodide
Concen: 19.260 ug/l
RT: 4.006 min Scan# 375
Delta R.T. 0.012 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Tgt Ion:142 Resp: 105447
Ion Ratio Lower Upper
142 100
127 44.5 34.9 52.3
141 14.5 11.3 16.9





#11

Tert butyl alcohol

Concen: 86.885 ug/l

RT: 4.860 min Scan# 515

Delta R.T. -0.000 min

Lab File: VY023139.D

Acq: 19 Aug 2025 10:19

Instrument :

MSVOA_Y

ClientSampleId :

VY0819SBS01

Tgt Ion: 59 Resp: 29364

Ion Ratio Lower Upper

59 100

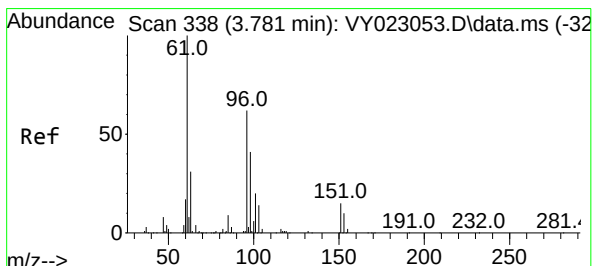
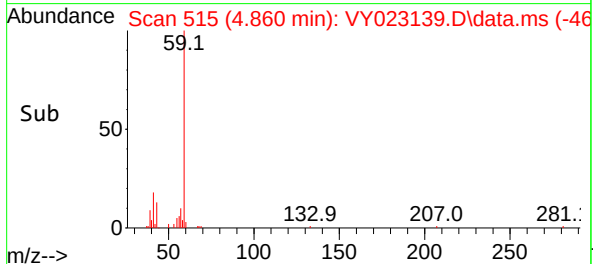
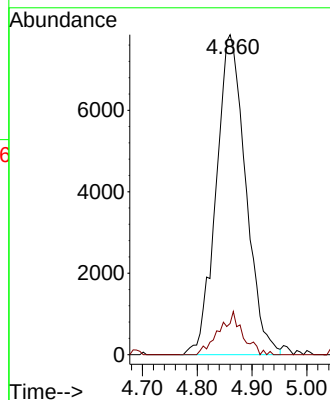
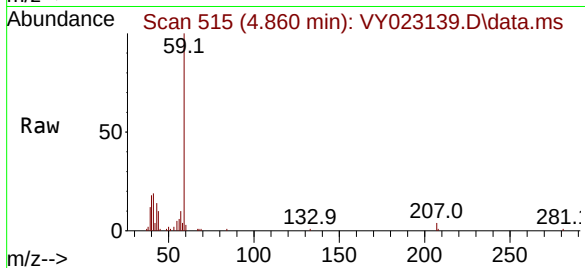
57 10.8 8.6 13.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/20/2025

Supervised By :Mahesh Dadoda 08/20/2025



#12

1,1-Dichloroethene

Concen: 20.804 ug/l

RT: 3.793 min Scan# 340

Delta R.T. 0.012 min

Lab File: VY023139.D

Acq: 19 Aug 2025 10:19

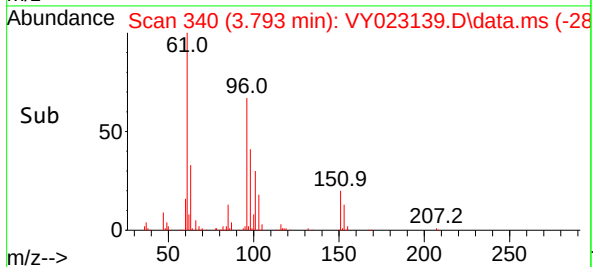
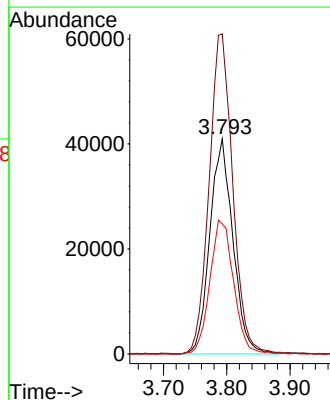
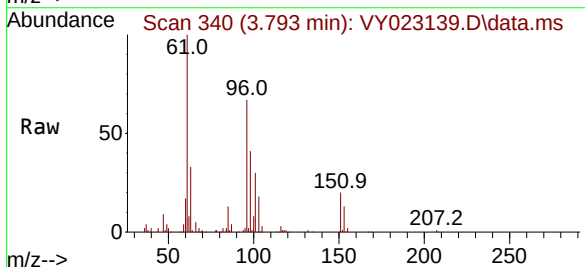
Tgt Ion: 96 Resp: 103754

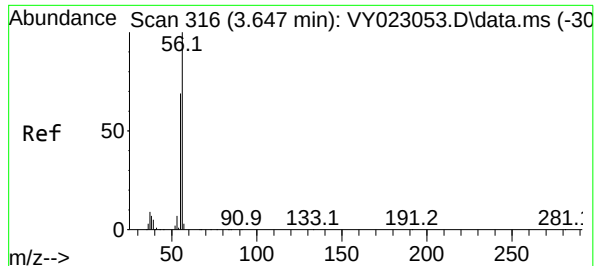
Ion Ratio Lower Upper

96 100

61 148.7 129.4 194.2

98 60.4 52.8 79.2





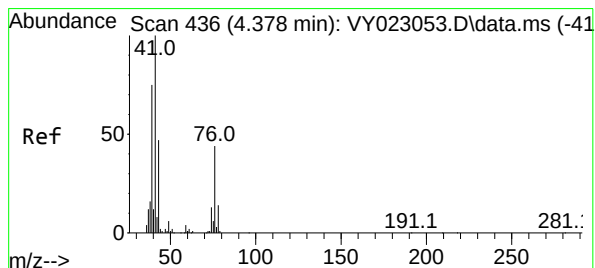
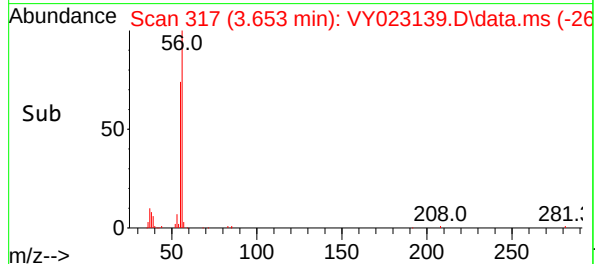
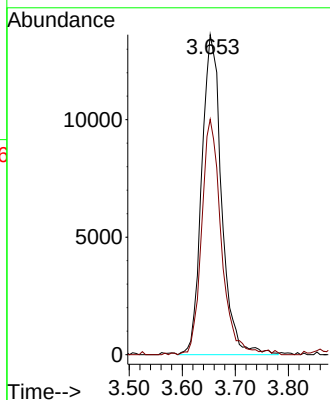
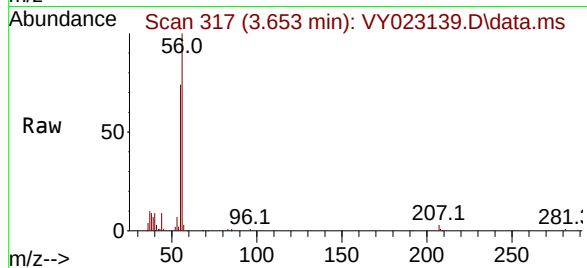
#13
Acrolein
Concen: 71.706 ug/l
RT: 3.653 min Scan# 316
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBS01

Tgt Ion: 56 Resp: 3549
Ion Ratio Lower Upper
56 100
55 72.0 55.2 82.8

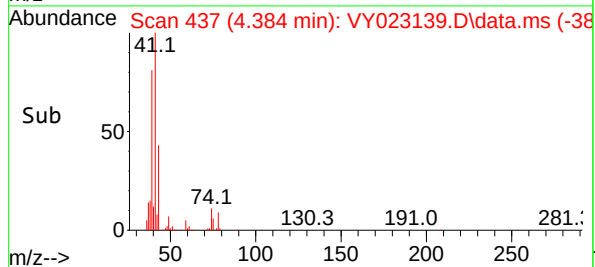
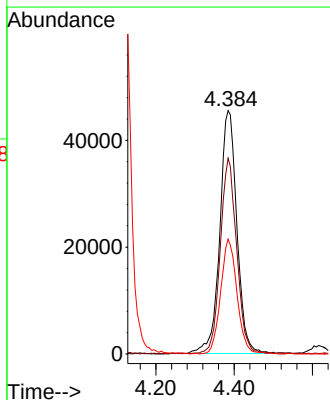
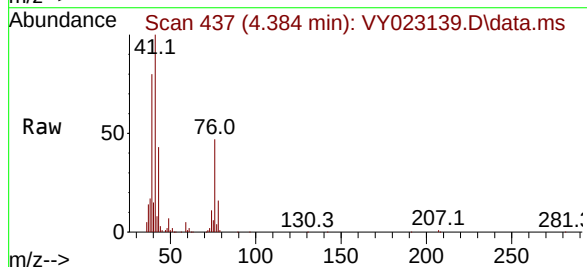
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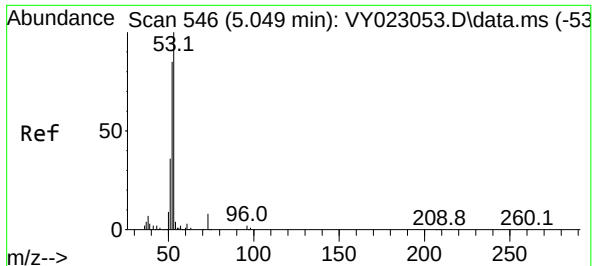
Reviewed By :John Carlone 08/20/2025
Supervised By :Mahesh Dadoda 08/20/2025



#14
Allyl chloride
Concen: 18.846 ug/l
RT: 4.384 min Scan# 437
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

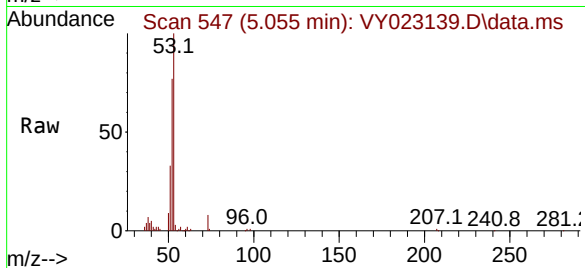
Tgt Ion: 41 Resp: 138299
Ion Ratio Lower Upper
41 100
39 77.1 59.8 89.6
76 45.1 33.7 50.5





#15
Acrylonitrile
Concen: 94.488 ug/l
RT: 5.055 min Scan# 546
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

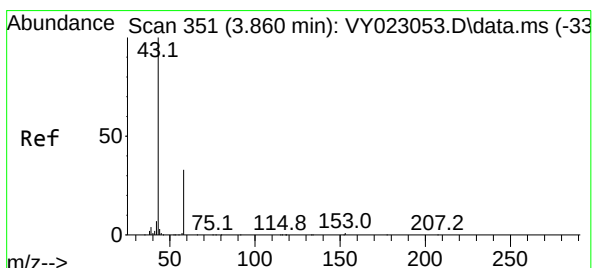
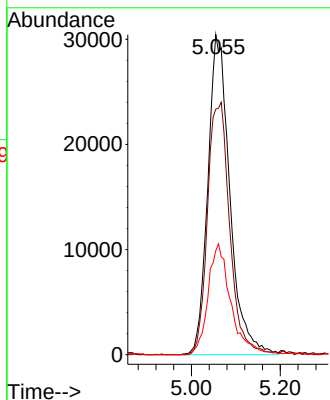
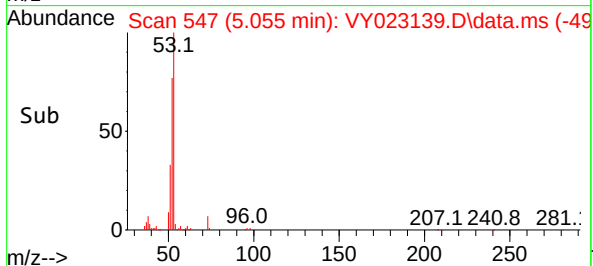
Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBS01



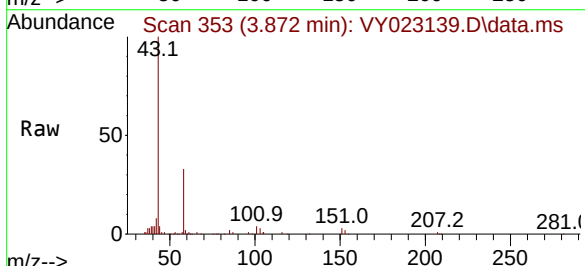
Tgt Ion: 53 Resp: 10452
Ion Ratio Lower Upper
53 100
52 79.8 65.3 97.9
51 35.9 29.5 44.3

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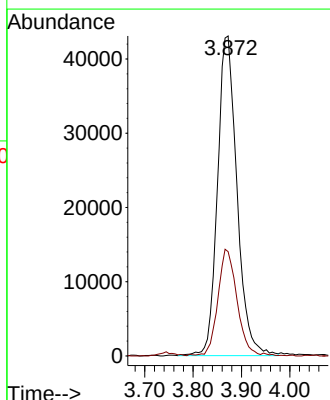
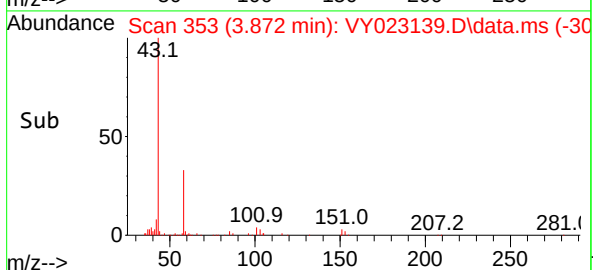
Reviewed By :John Carlone 08/20/2025
Supervised By :Mahesh Dadoda 08/20/2025

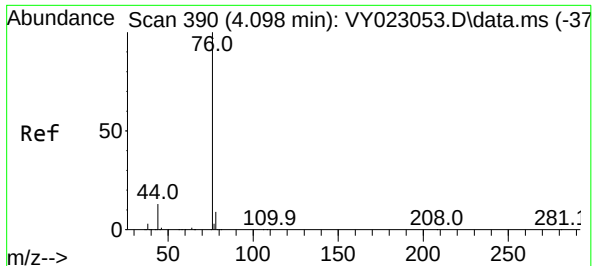


#16
Acetone
Concen: 112.685 ug/l
RT: 3.872 min Scan# 353
Delta R.T. 0.012 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19



Tgt Ion: 43 Resp: 120414
Ion Ratio Lower Upper
43 100
58 32.5 27.1 40.7





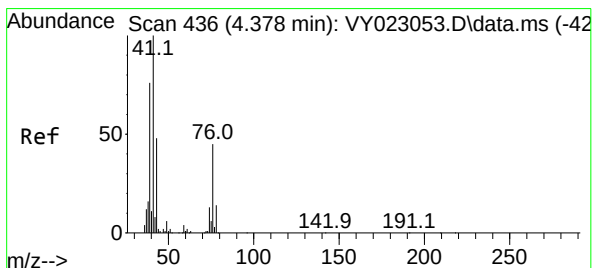
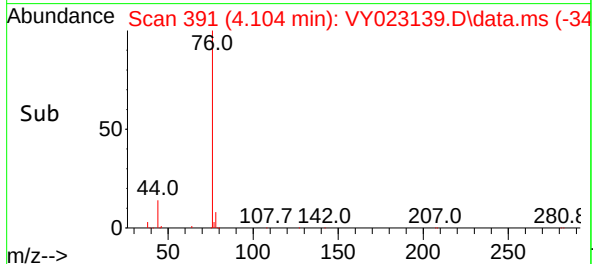
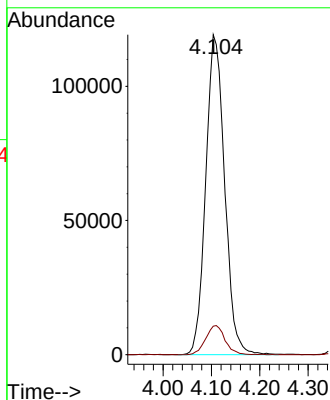
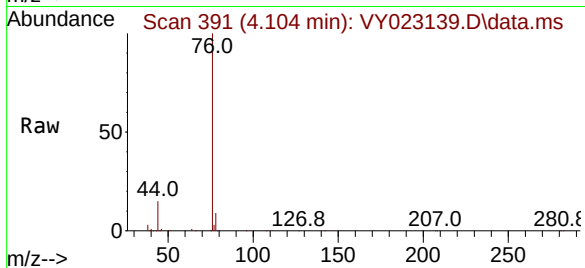
#17
Carbon Disulfide
Concen: 19.905 ug/l
RT: 4.104 min Scan# 391
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBS01

Tgt Ion: 76 Resp: 323680
Ion Ratio Lower Upper
76 100
78 8.9 7.4 11.2

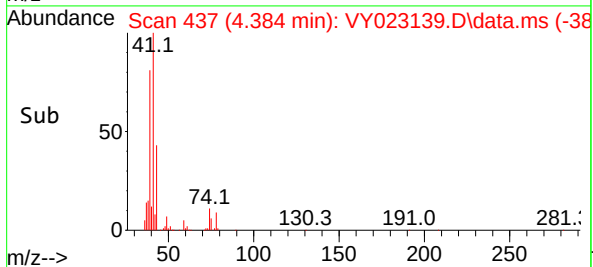
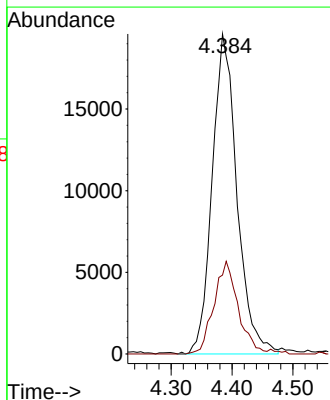
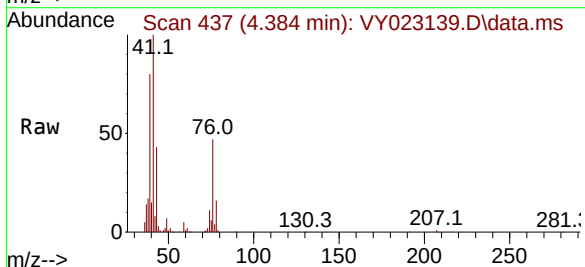
Manual Integrations
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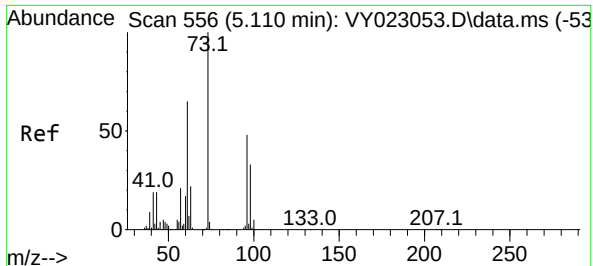
Reviewed By :John Carlone 08/20/2025
Supervised By :Mahesh Dadoda 08/20/2025



#18
Methyl Acetate
Concen: 17.426 ug/l
RT: 4.384 min Scan# 437
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Tgt Ion: 43 Resp: 55412
Ion Ratio Lower Upper
43 100
74 28.3 21.2 31.8





#19

Methyl tert-butyl Ether

Concen: 19.720 ug/l

RT: 5.116 min Scan# 51

Delta R.T. 0.006 min

Lab File: VY023139.D

Acq: 19 Aug 2025 10:19

Instrument :

MSVOA_Y

ClientSampleId :

VY0819SBS01

Tgt Ion: 73 Resp: 25484

Ion Ratio Lower Upper

73 100

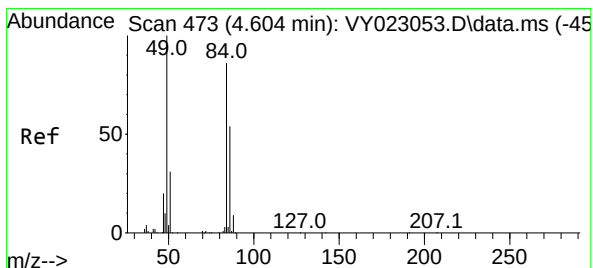
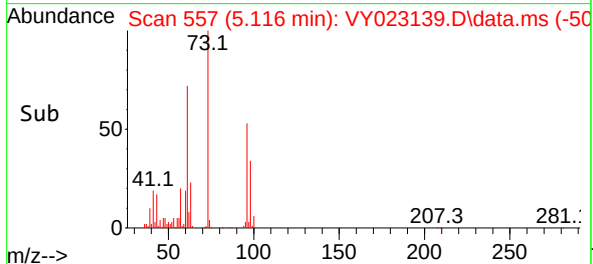
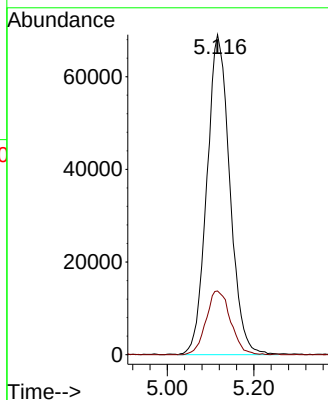
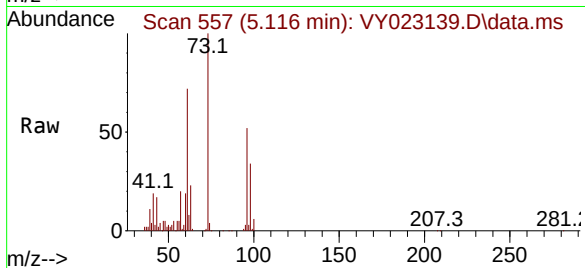
57 19.9 17.1 25.7

Manual Integrations

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Reviewed By :John Carlone 08/20/2025

Supervised By :Mahesh Dadoda 08/20/2025



#20

Methylene Chloride

Concen: 18.875 ug/l

RT: 4.616 min Scan# 475

Delta R.T. 0.012 min

Lab File: VY023139.D

Acq: 19 Aug 2025 10:19

Tgt Ion: 84 Resp: 114203

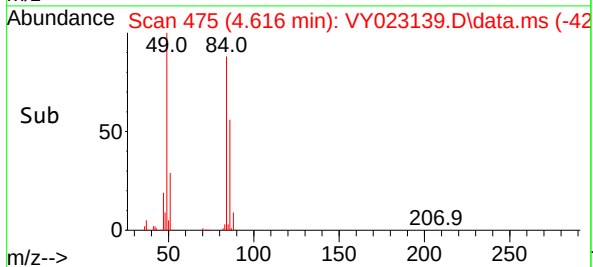
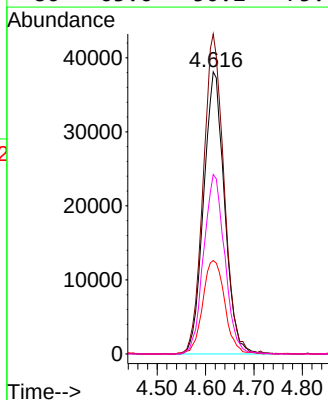
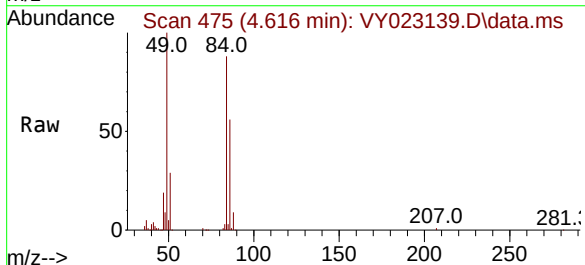
Ion Ratio Lower Upper

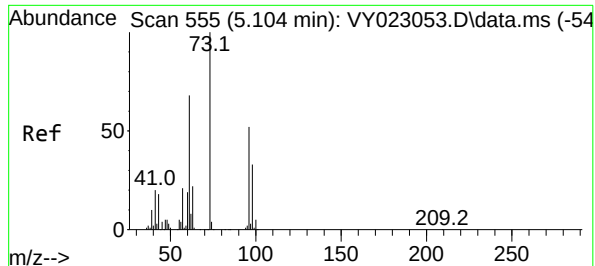
84 100

49 113.2 93.0 139.6

51 33.1 29.0 43.4

86 63.6 50.2 75.4





#21

trans-1,2-Dichloroethene

Concen: 20.993 ug/l

RT: 5.116 min Scan# 511

Delta R.T. 0.012 min

Lab File: VY023139.D

Acq: 19 Aug 2025 10:19

Instrument :

MSVOA_Y

ClientSampleId :

VY0819SBS01

Tgt Ion: 96 Resp: 117658

Ion Ratio Lower Upper

96 100

61 136.8 104.8 157.2

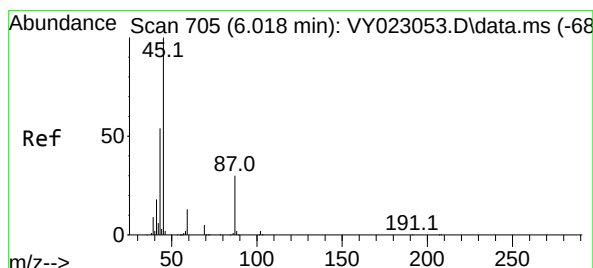
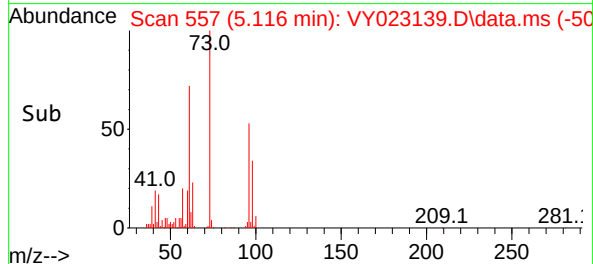
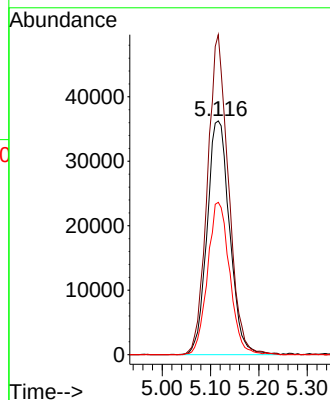
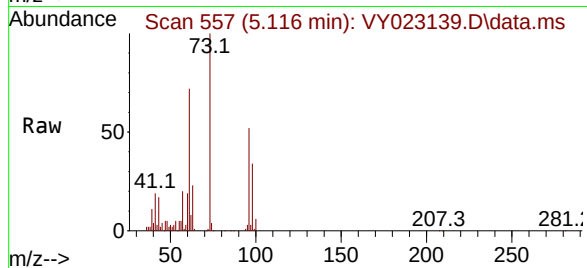
98 65.2 50.1 75.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/20/2025

Supervised By :Mahesh Dadoda 08/20/2025



#22

Diisopropyl ether

Concen: 19.728 ug/l

RT: 6.018 min Scan# 705

Delta R.T. -0.000 min

Lab File: VY023139.D

Acq: 19 Aug 2025 10:19

Tgt Ion: 45 Resp: 314582

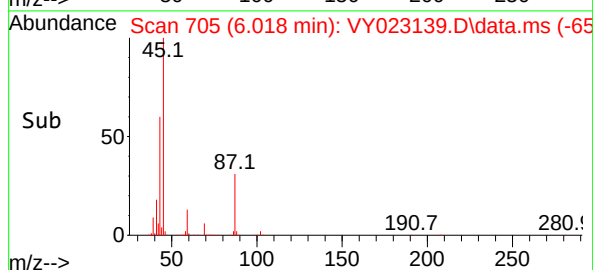
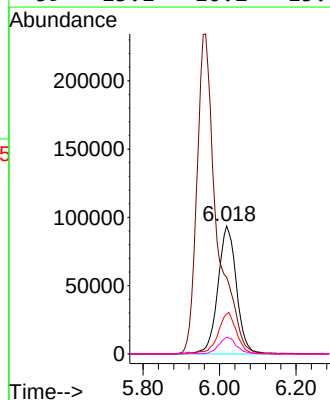
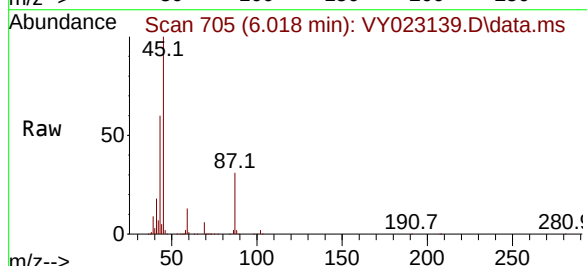
Ion Ratio Lower Upper

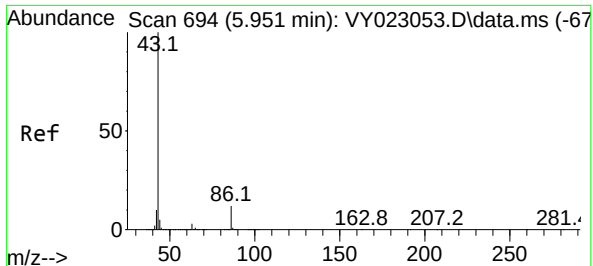
45 100

43 59.6 43.4 65.0

87 31.1 24.4 36.6

59 13.1 10.2 15.4





#23

Vinyl Acetate

Concen: 94.938 ug/l

RT: 5.963 min Scan# 694

Delta R.T. 0.012 min

Lab File: VY023139.D

Acq: 19 Aug 2025 10:19

Instrument :

MSVOA_Y

ClientSampleId :

VY0819SBS01

Tgt Ion: 43 Resp: 83710

Ion Ratio Lower Upper

43 100

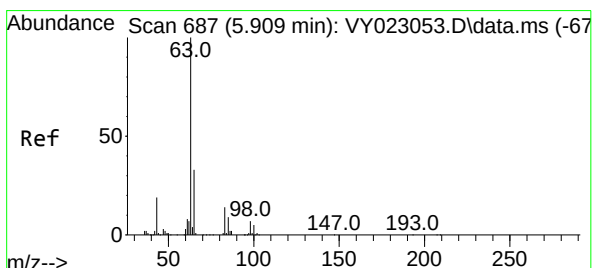
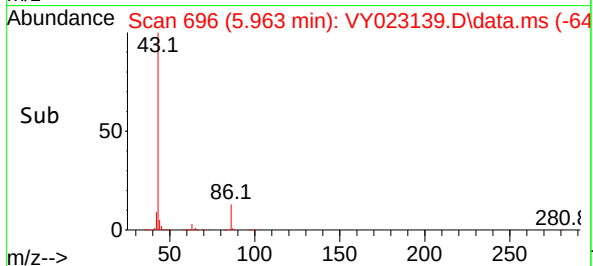
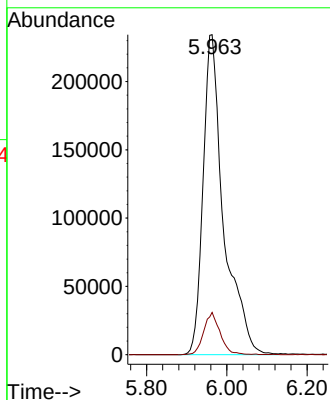
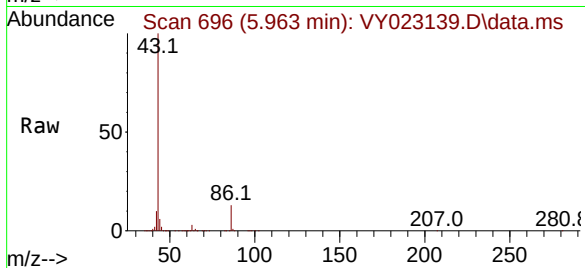
86 13.2 9.6 14.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/20/2025

Supervised By :Mahesh Dadoda 08/20/2025



#24

1,1-Dichloroethane

Concen: 19.979 ug/l

RT: 5.921 min Scan# 689

Delta R.T. 0.012 min

Lab File: VY023139.D

Acq: 19 Aug 2025 10:19

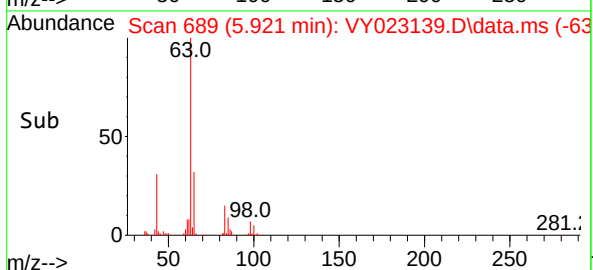
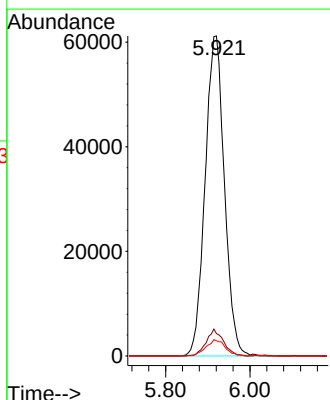
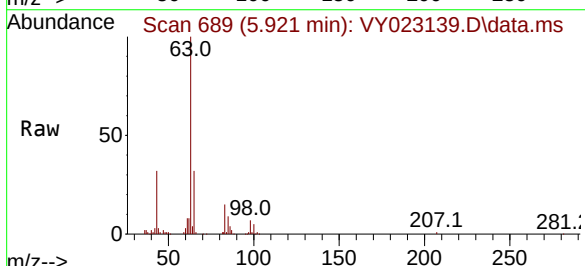
Tgt Ion: 63 Resp: 194782

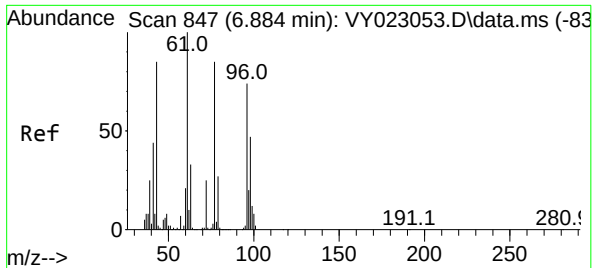
Ion Ratio Lower Upper

63 100

98 7.0 3.5 10.6

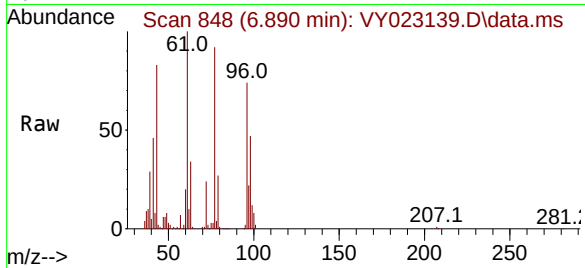
100 4.7 2.4 7.1





#25
2-Butanone
Concen: 100.847 ug/l
RT: 6.890 min Scan# 848
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

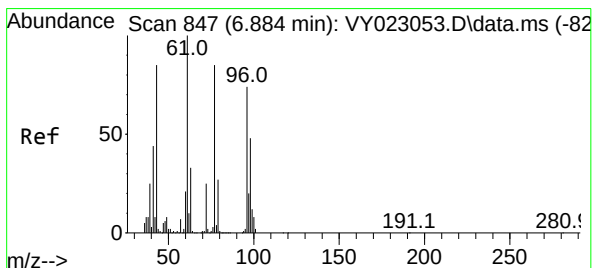
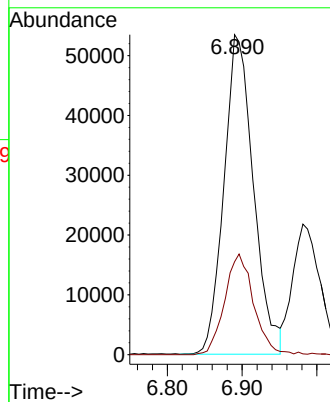
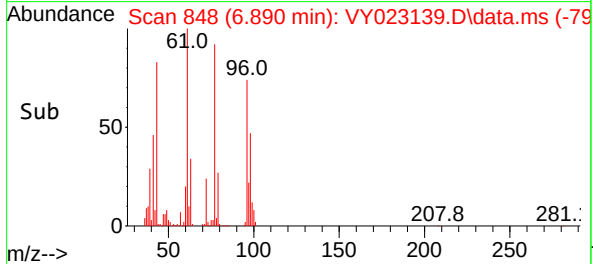
Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBS01



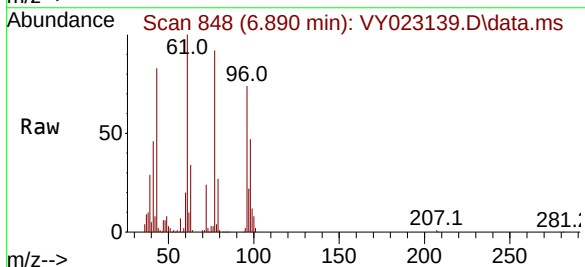
Tgt Ion: 43 Resp: 14656
Ion Ratio Lower Upper
43 100
72 29.1 23.5 35.3

Manual Integrations
APPROVED

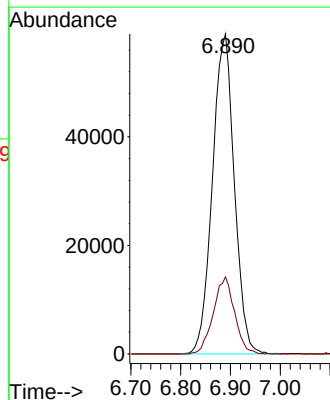
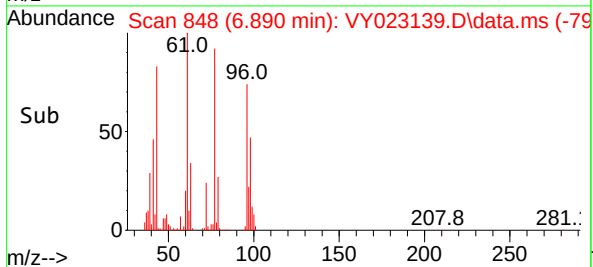
Reviewed By :John Carlone 08/20/2025
Supervised By :Mahesh Dadoda 08/20/2025

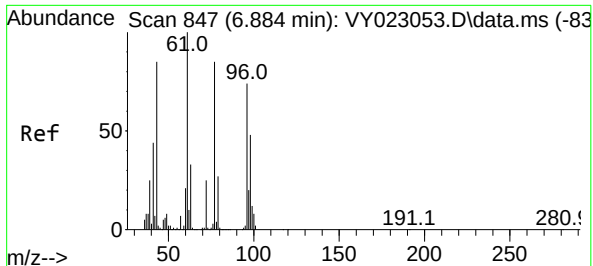


#26
2,2-Dichloropropane
Concen: 21.352 ug/l
RT: 6.890 min Scan# 848
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19



Tgt Ion: 77 Resp: 179625
Ion Ratio Lower Upper
77 100
97 23.3 11.6 34.8





#27

cis-1,2-Dichloroethene

Concen: 20.582 ug/l

RT: 6.890 min Scan# 847

Delta R.T. 0.006 min

Lab File: VY023139.D

Acq: 19 Aug 2025 10:19

Instrument :

MSVOA_Y

ClientSampleId :

VY0819SBS01

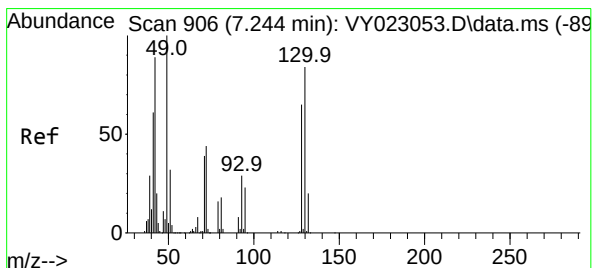
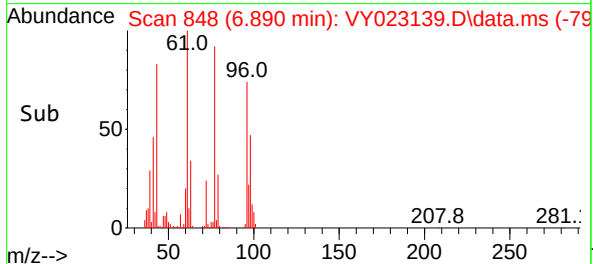
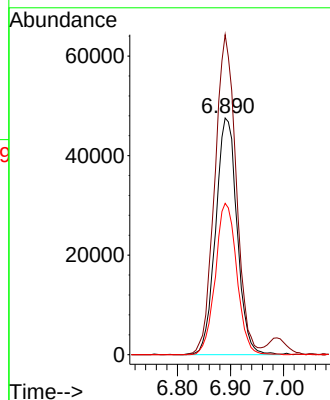
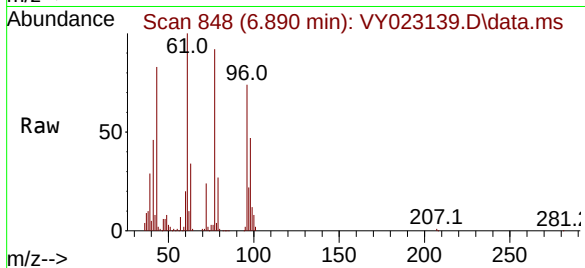
Tgt Ion:	96	Resp:	133354
Ion	Ratio	Lower	Upper
96	100		
61	135.3	0.0	278.6
98	64.1	0.0	130.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/20/2025

Supervised By :Mahesh Dadoda 08/20/2025



#28

Bromochloromethane

Concen: 19.474 ug/l

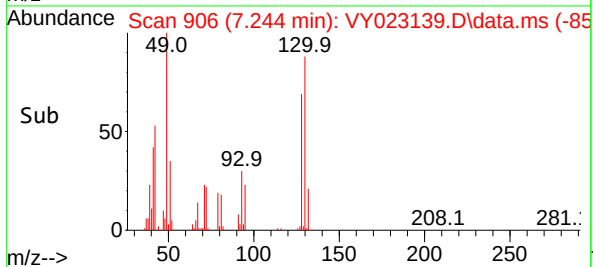
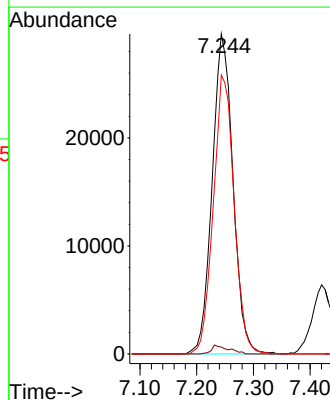
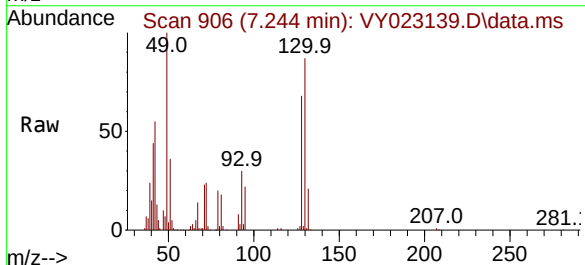
RT: 7.244 min Scan# 906

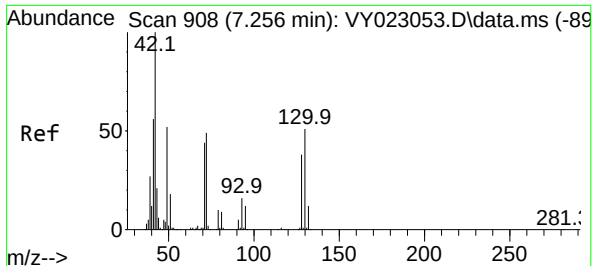
Delta R.T. -0.000 min

Lab File: VY023139.D

Acq: 19 Aug 2025 10:19

Tgt Ion:	49	Resp:	75324
Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.2
130	87.0	66.4	99.6





#29

Tetrahydrofuran

Concen: 90.389 ug/l

RT: 7.262 min Scan# 908

Delta R.T. 0.006 min

Lab File: VY023139.D

Acq: 19 Aug 2025 10:19

Instrument :

MSVOA_Y

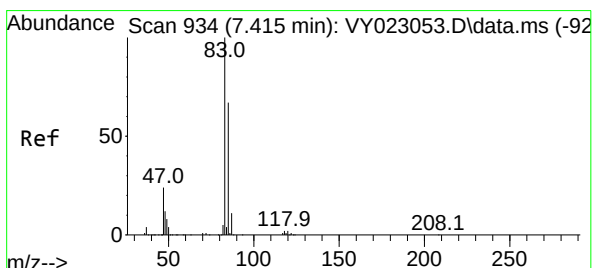
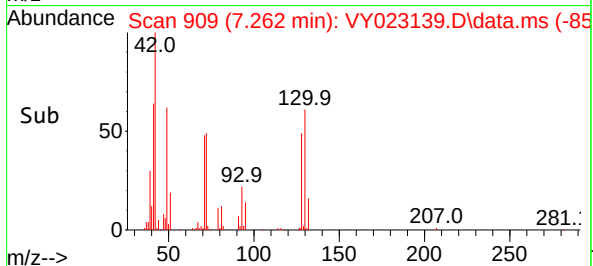
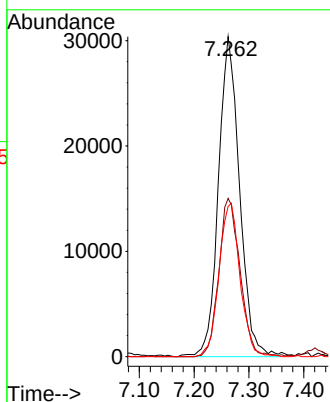
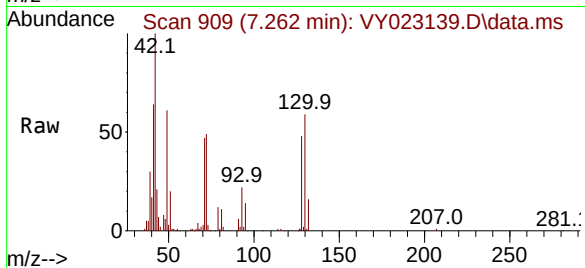
ClientSampleId :

VY0819SBS01

Tgt Ion:	42	Resp:	8142
Ion Ratio	Lower	Upper	
42	100		
72	49.9	39.4	59.2
71	47.8	36.5	54.7

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/20/2025
Supervised By :Mahesh Dadoda 08/20/2025



#30

Chloroform

Concen: 20.690 ug/l

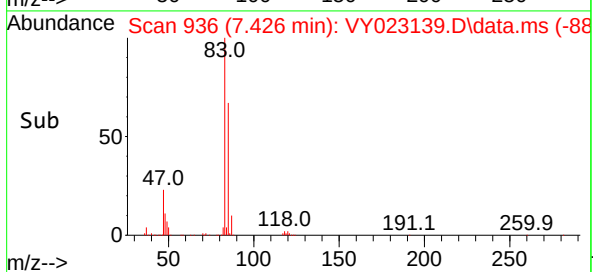
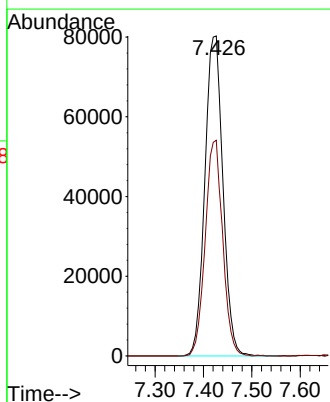
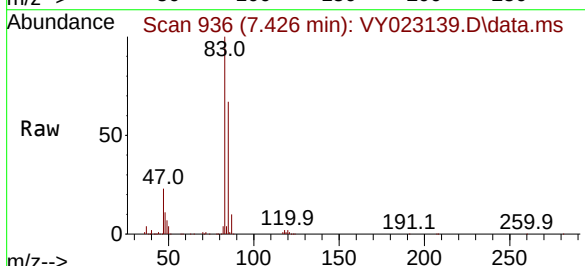
RT: 7.426 min Scan# 936

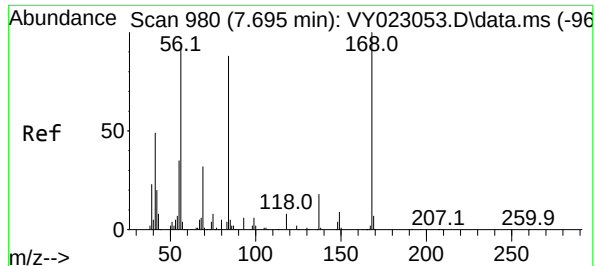
Delta R.T. 0.012 min

Lab File: VY023139.D

Acq: 19 Aug 2025 10:19

Tgt Ion:	83	Resp:	208029
Ion Ratio	Lower	Upper	
83	100		
85	67.4	53.8	80.8





#31

Cyclohexane

Concen: 19.640 ug/l

RT: 7.701 min Scan# 981

Delta R.T. 0.006 min

Lab File: VY023139.D

Acq: 19 Aug 2025 10:19

Instrument :

MSVOA_Y

ClientSampleId :

VY0819SBS01

Tgt Ion: 56 Resp: 18044

Ion Ratio Lower Upper

56 100

69 38.6 28.2 42.2

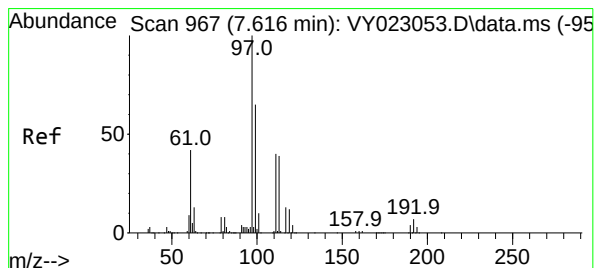
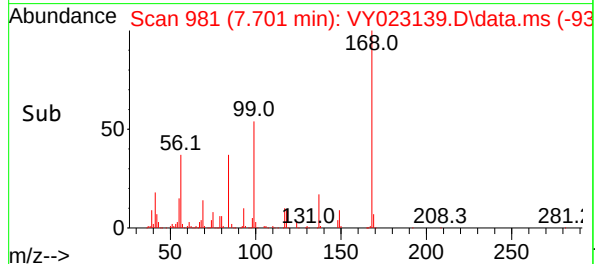
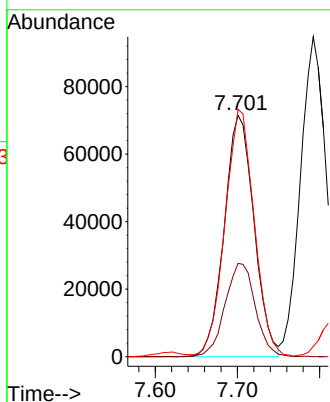
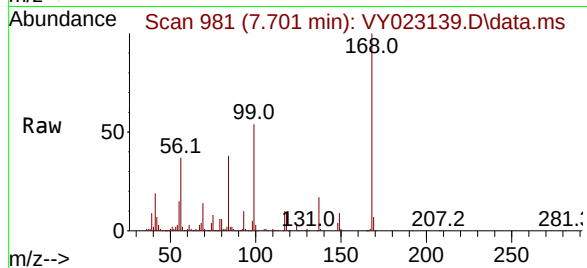
84 101.0 76.6 114.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/20/2025

Supervised By :Mahesh Dadoda 08/20/2025



#32

1,1,1-Trichloroethane

Concen: 20.833 ug/l

RT: 7.615 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY023139.D

Acq: 19 Aug 2025 10:19

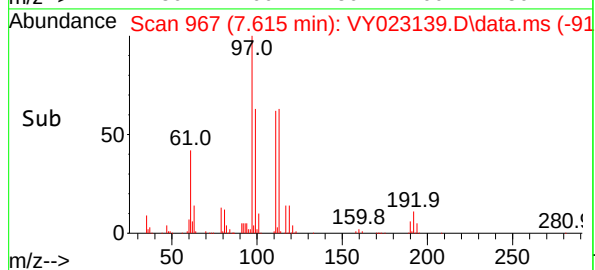
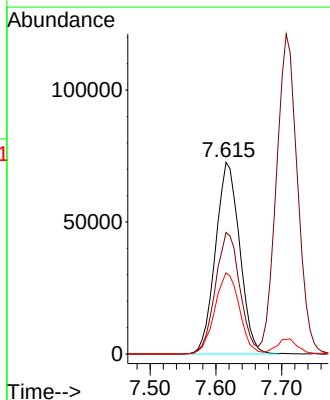
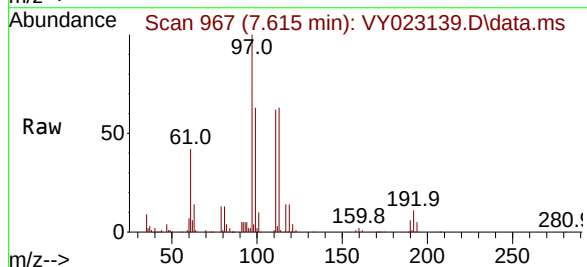
Tgt Ion: 97 Resp: 185862

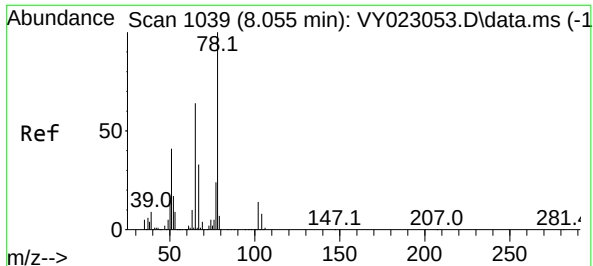
Ion Ratio Lower Upper

97 100

99 64.2 51.6 77.4

61 43.2 34.2 51.2





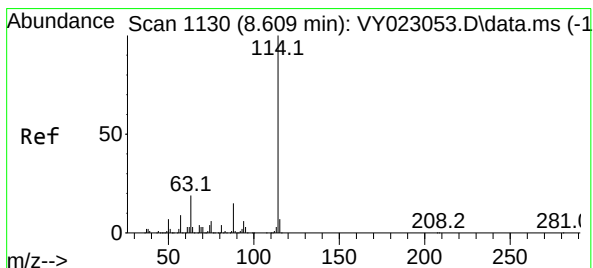
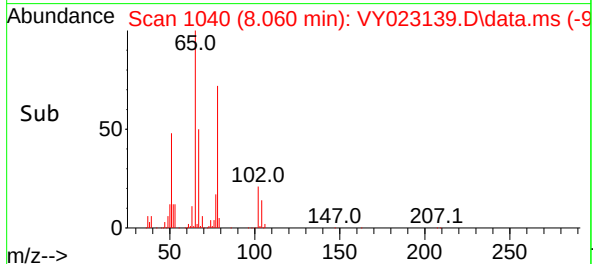
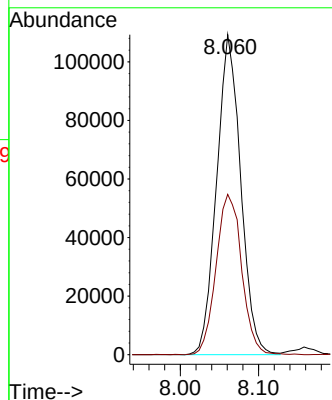
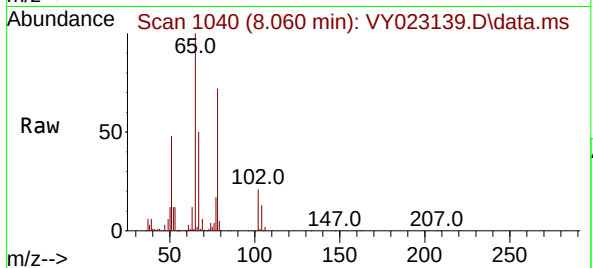
#33
1,2-Dichloroethane-d4
Concen: 47.365 ug/l
RT: 8.060 min Scan# 1039
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBS01

Tgt Ion: 65 Resp: 23362
Ion Ratio Lower Upper
65 100
67 53.2 0.0 106.8

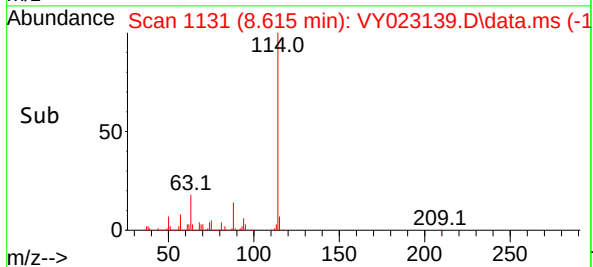
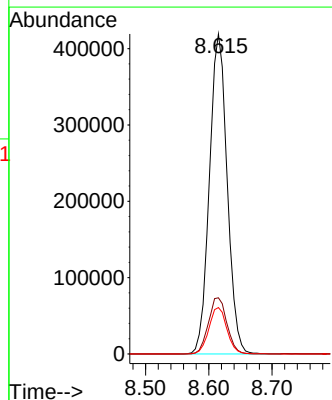
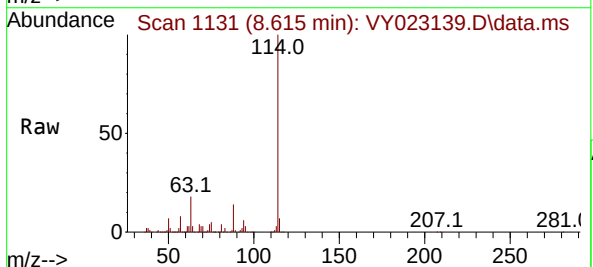
Manual Integrations
APPROVED

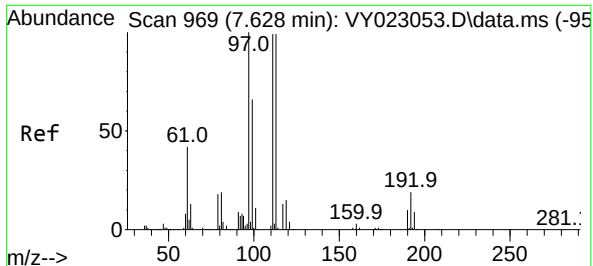
Reviewed By :John Carlone 08/20/2025
Supervised By :Mahesh Dadoda 08/20/2025



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Tgt Ion:114 Resp: 816918
Ion Ratio Lower Upper
114 100
63 17.5 0.0 38.4
88 14.5 0.0 30.0





#35

Dibromofluoromethane

Concen: 48.567 ug/l

RT: 7.634 min Scan# 91

Delta R.T. 0.006 min

Lab File: VY023139.D

Acq: 19 Aug 2025 10:19

Instrument :

MSVOA_Y

ClientSampleId :

VY0819SBS01

Tgt Ion:113 Resp: 237400

Ion Ratio Lower Upper

113 100

111 104.2 81.1 121.7

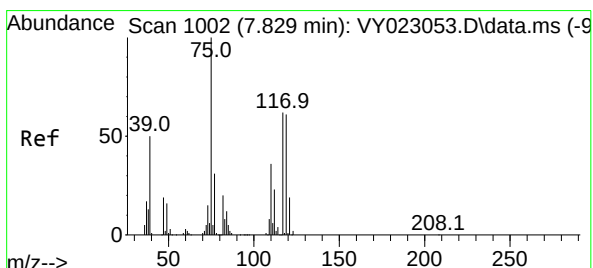
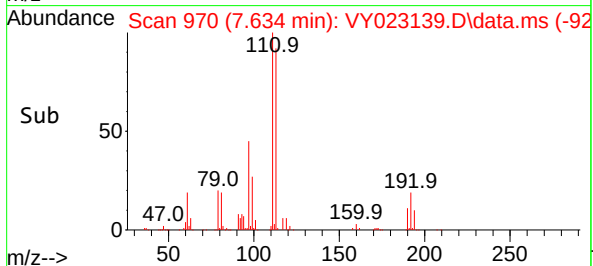
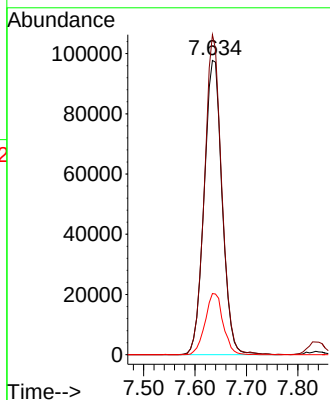
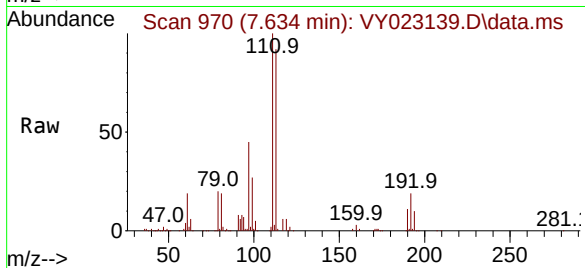
192 20.8 16.2 24.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/20/2025

Supervised By :Mahesh Dadoda 08/20/2025



#36

1,1-Dichloropropene

Concen: 20.606 ug/l

RT: 7.835 min Scan# 1003

Delta R.T. 0.006 min

Lab File: VY023139.D

Acq: 19 Aug 2025 10:19

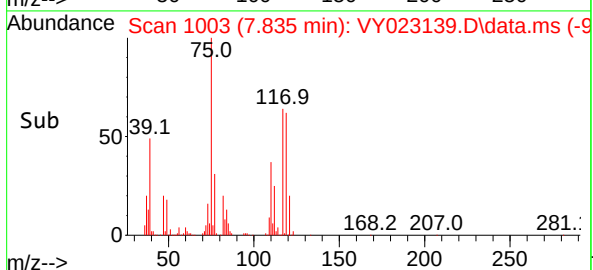
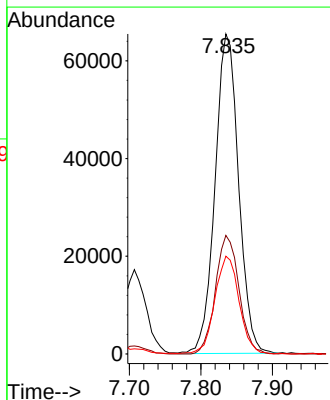
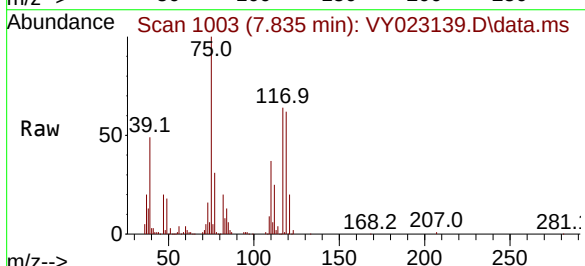
Tgt Ion: 75 Resp: 149696

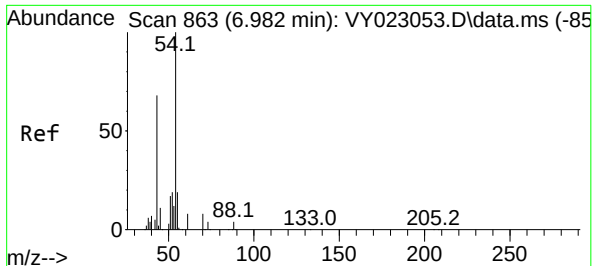
Ion Ratio Lower Upper

75 100

110 37.0 18.1 54.4

77 31.6 24.6 37.0





#37

Ethyl Acetate

Concen: 18.660 ug/l

RT: 6.981 min Scan# 80

Delta R.T. -0.000 min

Lab File: VY023139.D

Acq: 19 Aug 2025 10:19

Instrument :

MSVOA_Y

ClientSampleId :

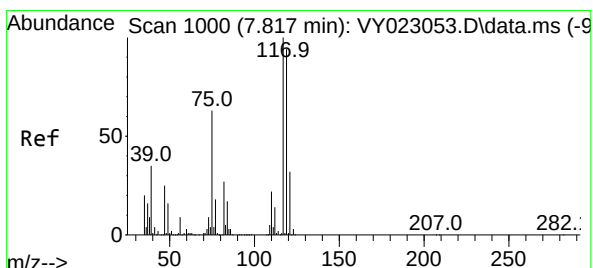
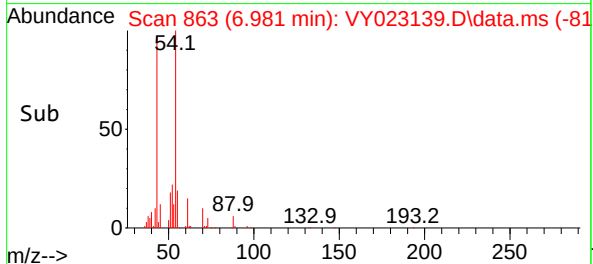
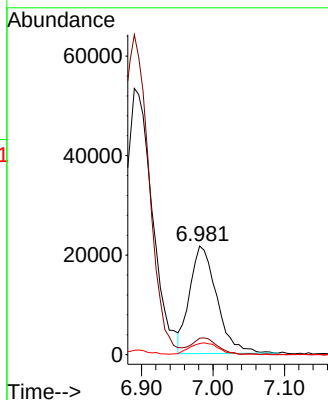
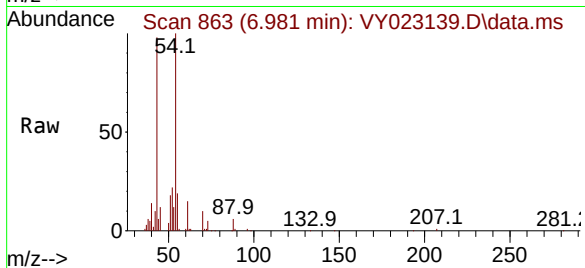
VY0819SBS01

Tgt Ion:	43	Resp:	5694
Ion	Ratio	Lower	Upper
43	100		
61	14.4	11.9	17.9
70	12.3	8.8	13.2

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/20/2025

Supervised By :Mahesh Dadoda 08/20/2025



#38

Carbon Tetrachloride

Concen: 21.430 ug/l

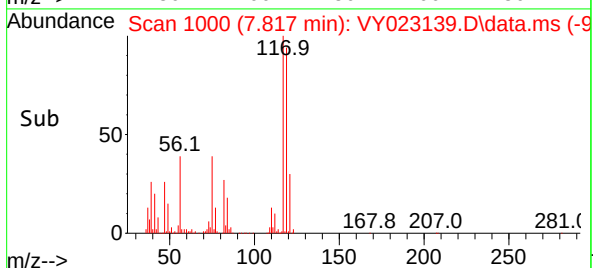
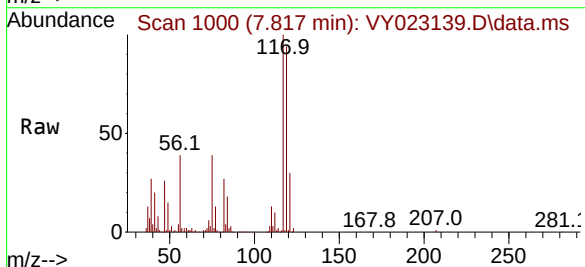
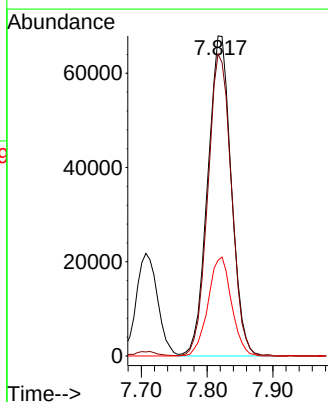
RT: 7.817 min Scan# 1000

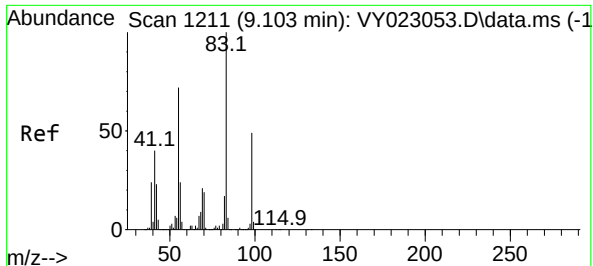
Delta R.T. -0.000 min

Lab File: VY023139.D

Acq: 19 Aug 2025 10:19

Tgt Ion:	117	Resp:	169089
Ion	Ratio	Lower	Upper
117	100		
119	94.3	75.6	113.4
121	29.9	25.8	38.8





#39

Methylcyclohexane

Concen: 20.803 ug/l

RT: 9.109 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023139.D

Acq: 19 Aug 2025 10:19

Instrument :

MSVOA_Y

ClientSampleId :

VY0819SBS01

Tgt Ion: 83 Resp: 19901

Ion Ratio Lower Upper

83 100

55 72.0 57.6 86.4

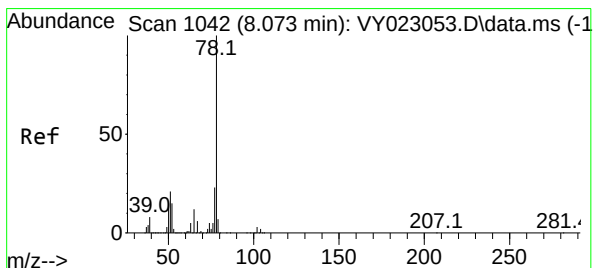
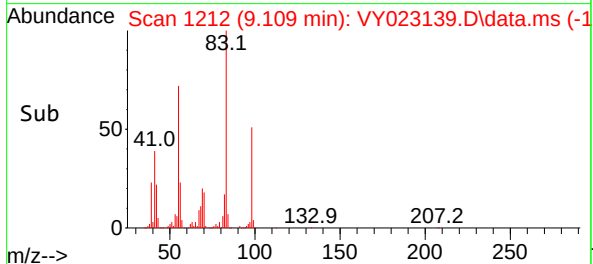
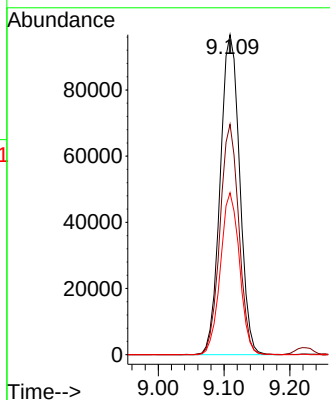
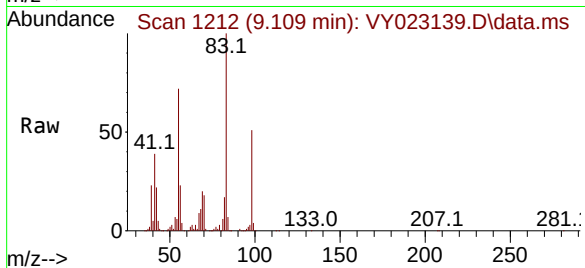
98 50.6 39.2 58.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/20/2025

Supervised By :Mahesh Dadoda 08/20/2025



#40

Benzene

Concen: 21.055 ug/l

RT: 8.079 min Scan# 1043

Delta R.T. 0.006 min

Lab File: VY023139.D

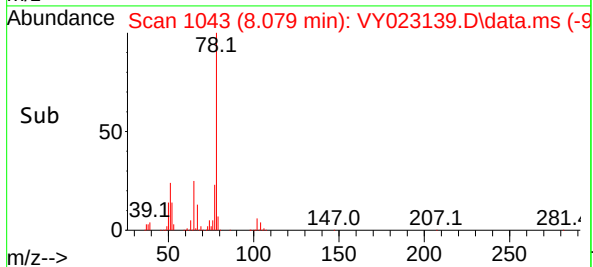
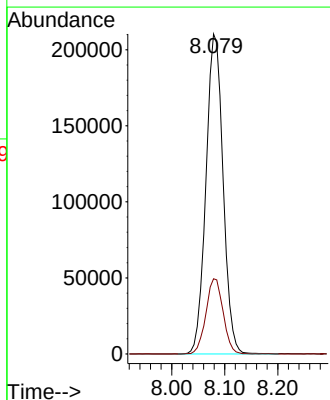
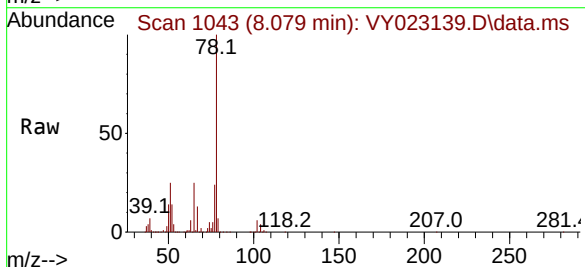
Acq: 19 Aug 2025 10:19

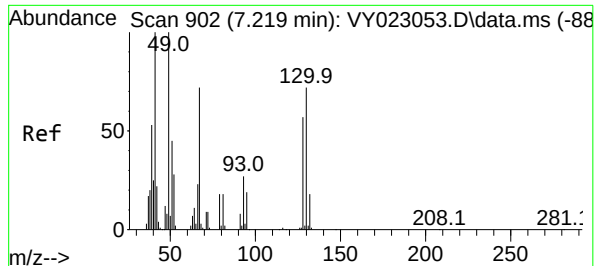
Tgt Ion: 78 Resp: 471421

Ion Ratio Lower Upper

78 100

77 23.5 18.6 28.0





#41

Methacrylonitrile

Concen: 18.482 ug/l m

RT: 7.219 min Scan# 902

Delta R.T. -0.000 min

Lab File: VY023139.D

Acq: 19 Aug 2025 10:19

Instrument :

MSVOA_Y

ClientSampleId :

VY0819SBS01

Tgt Ion: 41 Resp: 32549

Ion Ratio Lower Upper

41 100

39 47.7 43.4 65.2

67 86.5 63.6 95.4

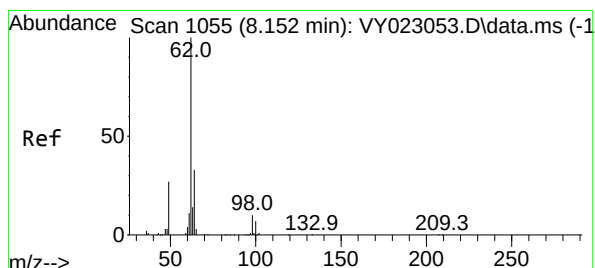
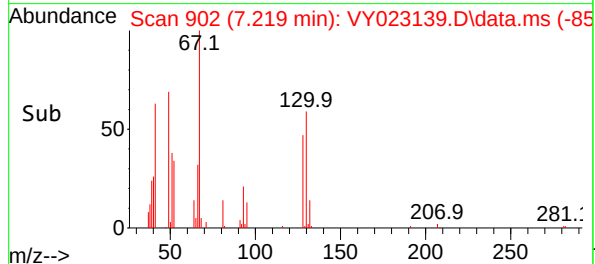
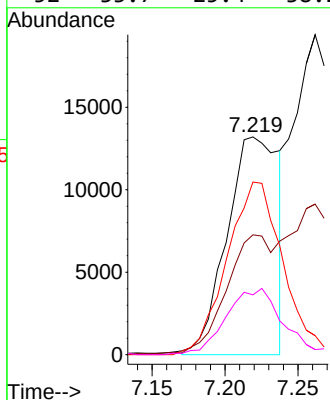
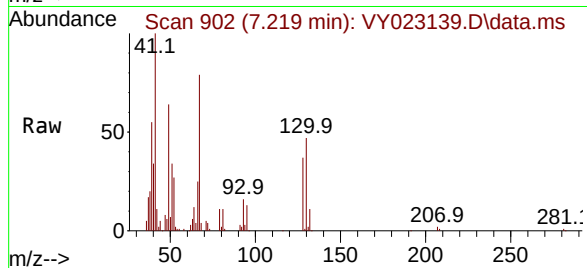
52 33.7 25.4 38.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/20/2025

Supervised By :Mahesh Dadoda 08/20/2025



#42

1,2-Dichloroethane

Concen: 20.187 ug/l

RT: 8.158 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VY023139.D

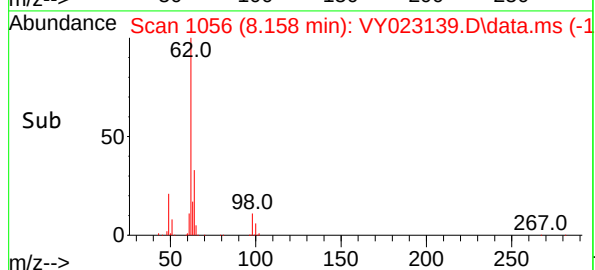
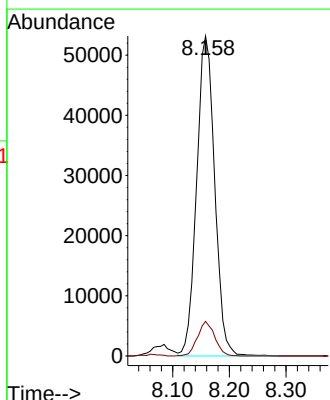
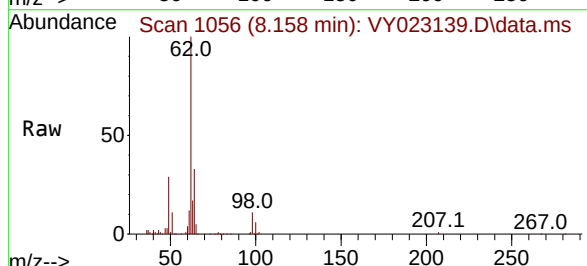
Acq: 19 Aug 2025 10:19

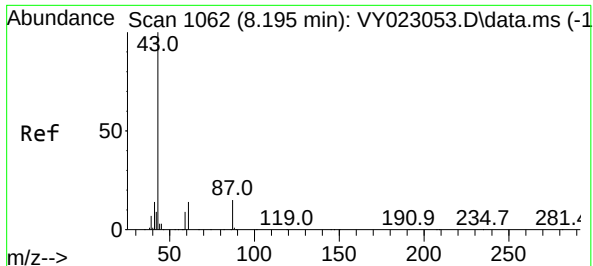
Tgt Ion: 62 Resp: 117552

Ion Ratio Lower Upper

62 100

98 10.4 0.0 20.6





#43

Isopropyl Acetate

Concen: 18.431 ug/l

RT: 8.195 min Scan# 1106

Delta R.T. -0.000 min

Lab File: VY023139.D

Acq: 19 Aug 2025 10:19

Instrument :

MSVOA_Y

ClientSampleId :

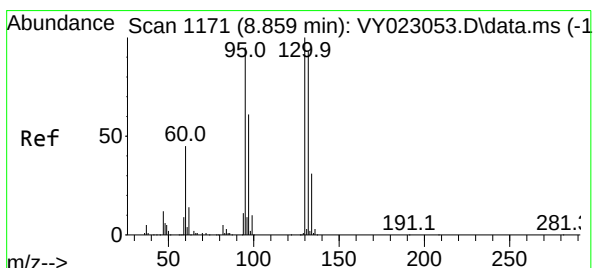
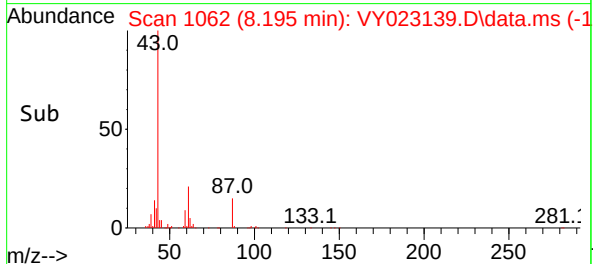
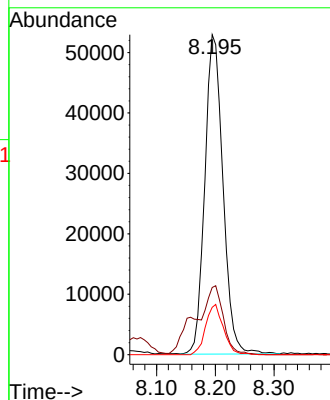
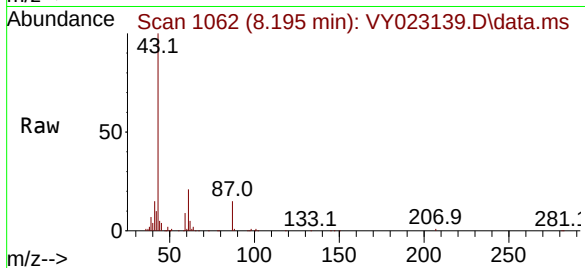
VY0819SBS01

Tgt Ion:	43	Resp:	11368
Ion	Ratio	Lower	Upper
43	100		
61	20.5	16.4	24.6
87	15.4	11.8	17.6

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/20/2025

Supervised By :Mahesh Dadoda 08/20/2025



#44

Trichloroethene

Concen: 21.187 ug/l

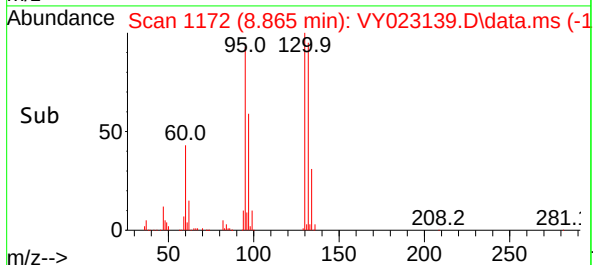
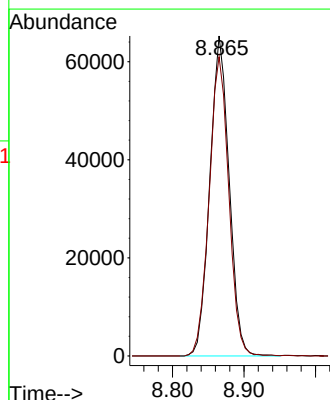
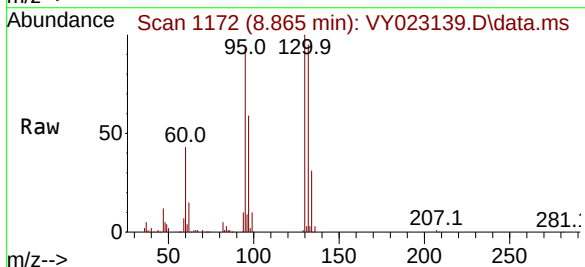
RT: 8.865 min Scan# 1172

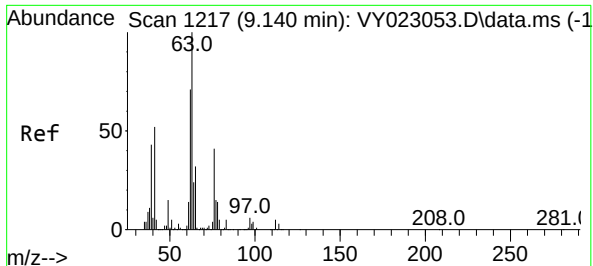
Delta R.T. 0.006 min

Lab File: VY023139.D

Acq: 19 Aug 2025 10:19

Tgt Ion:	130	Resp:	122590
Ion	Ratio	Lower	Upper
130	100		
95	93.5	0.0	190.2





#45

1,2-Dichloropropane

Concen: 20.506 ug/l

RT: 9.140 min Scan# 1217

Delta R.T. -0.000 min

Lab File: VY023139.D

Acq: 19 Aug 2025 10:19

Instrument :

MSVOA_Y

ClientSampleId :

VY0819SBS01

Tgt Ion: 63 Resp: 10564

Ion Ratio Lower Upper

63 100

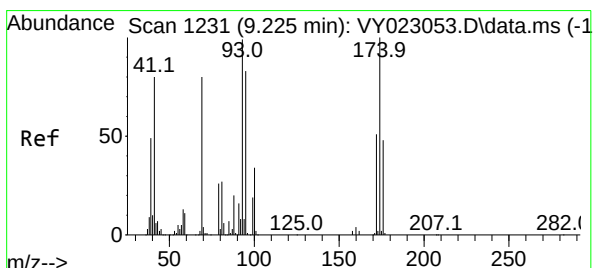
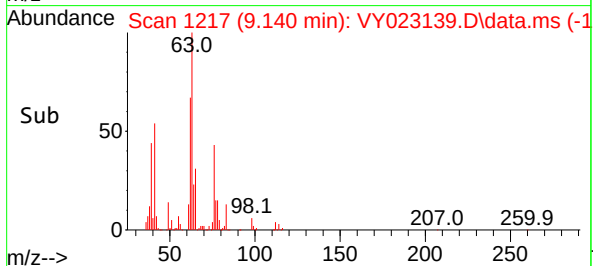
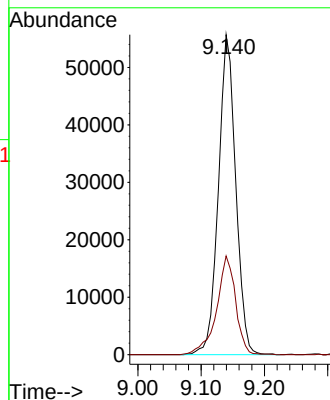
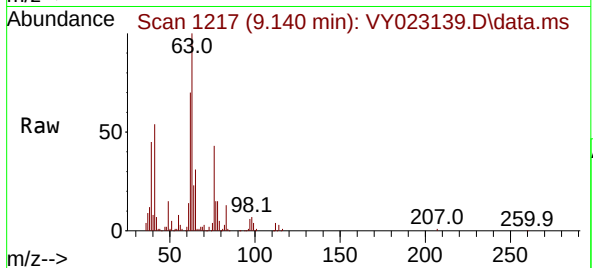
65 30.9 25.3 37.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/20/2025

Supervised By :Mahesh Dadoda 08/20/2025



#46

Dibromomethane

Concen: 20.972 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. 0.006 min

Lab File: VY023139.D

Acq: 19 Aug 2025 10:19

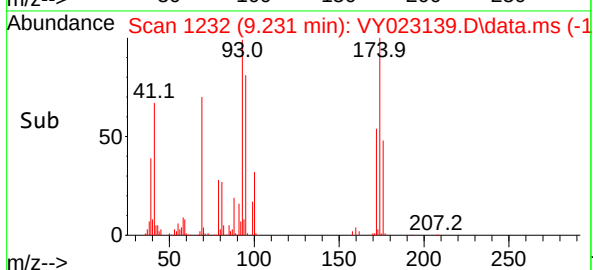
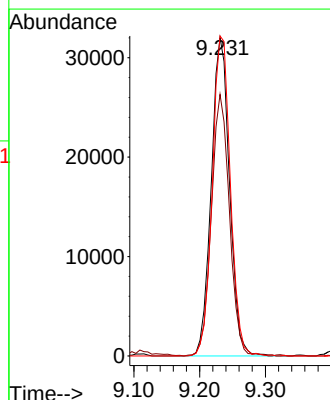
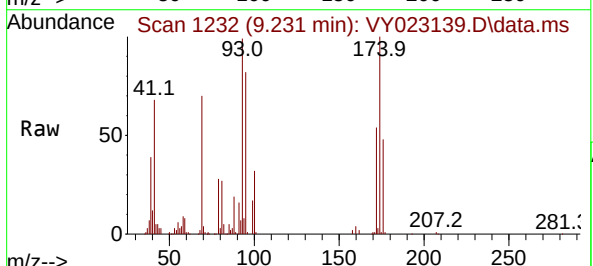
Tgt Ion: 93 Resp: 62014

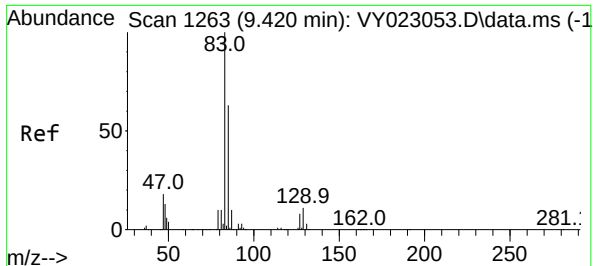
Ion Ratio Lower Upper

93 100

95 81.1 66.5 99.7

174 99.4 81.8 122.8





#47

Bromodichloromethane

Concen: 20.725 ug/l

RT: 9.420 min Scan# 1263

Delta R.T. -0.000 min

Lab File: VY023139.D

Acq: 19 Aug 2025 10:19

Instrument :

MSVOA_Y

ClientSampleId :

VY0819SBS01

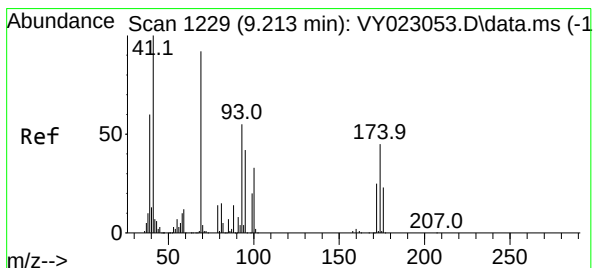
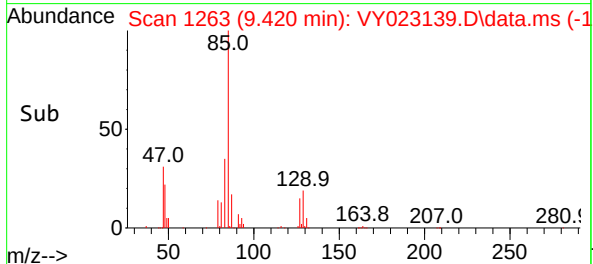
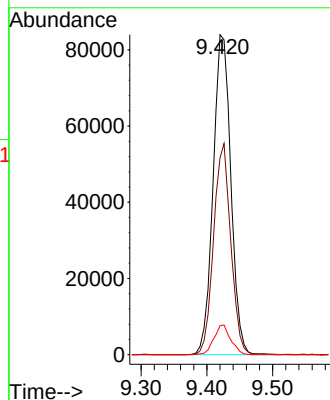
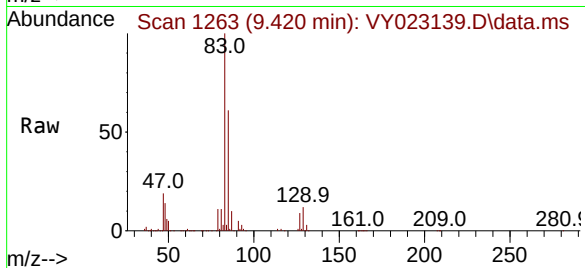
Tgt Ion:	83	Resp:	157692
Ion	Ratio	Lower	Upper
83	100		
85	61.5	50.2	75.4
127	9.1	6.6	10.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/20/2025

Supervised By :Mahesh Dadoda 08/20/2025



#48

Methyl methacrylate

Concen: 18.499 ug/l

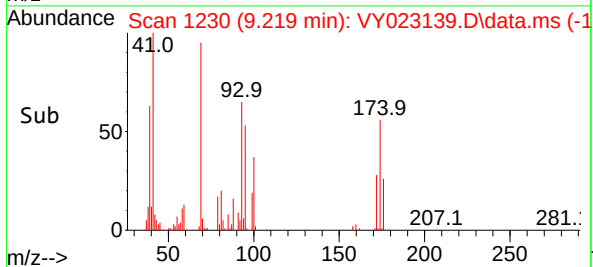
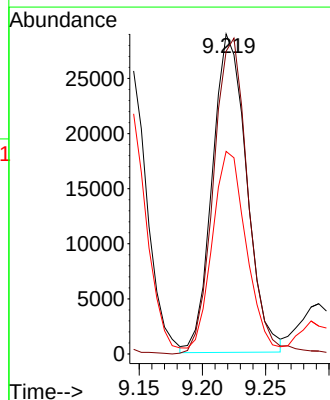
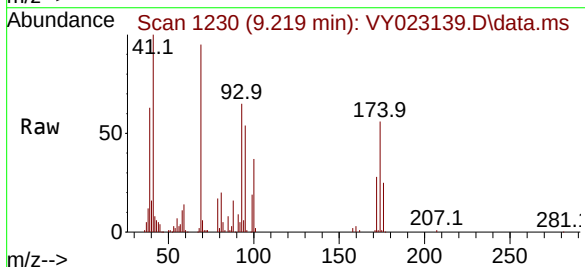
RT: 9.219 min Scan# 1230

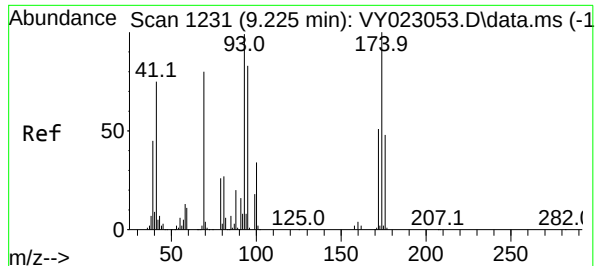
Delta R.T. 0.006 min

Lab File: VY023139.D

Acq: 19 Aug 2025 10:19

Tgt Ion:	41	Resp:	54599
Ion	Ratio	Lower	Upper
41	100		
69	99.3	73.2	109.8
39	62.8	47.0	70.4





#49

1,4-Dioxane

Concen: 383.459 ug/l

RT: 9.231 min Scan# 1231

Delta R.T. 0.006 min

Lab File: VY023139.D

Acq: 19 Aug 2025 10:19

Instrument :

MSVOA_Y

ClientSampleId :

VY0819SBS01

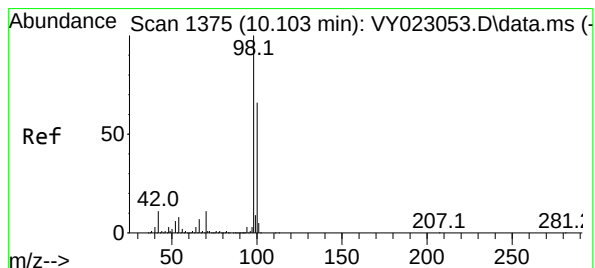
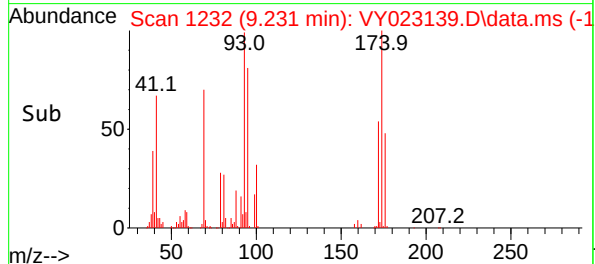
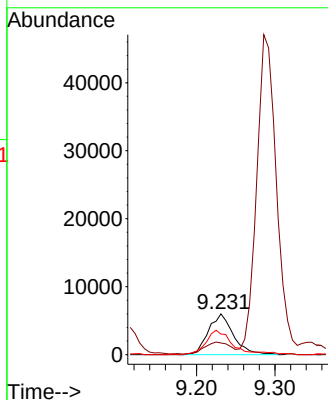
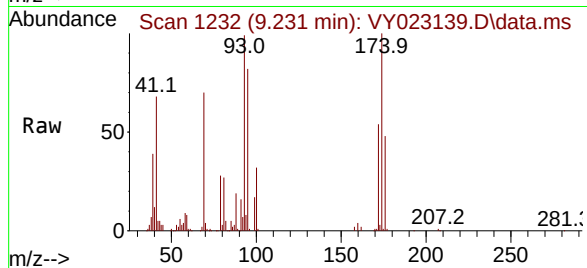
Tgt Ion:	88	Resp:	1329
Ion	Ratio	Lower	Upper
88	100		
43	29.3	24.3	36.5
58	65.0	55.4	83.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/20/2025

Supervised By :Mahesh Dadoda 08/20/2025



#50

Toluene-d8

Concen: 49.608 ug/l

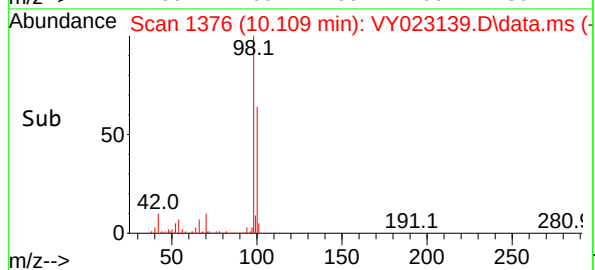
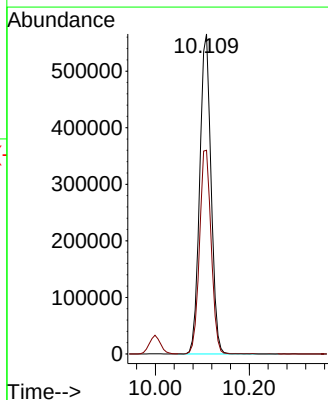
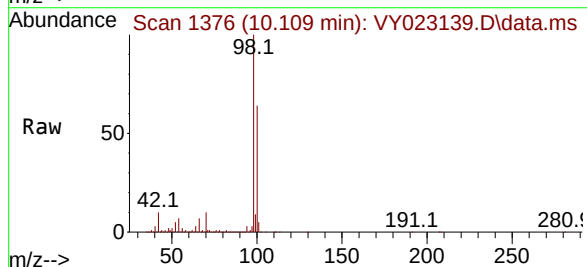
RT: 10.109 min Scan# 1376

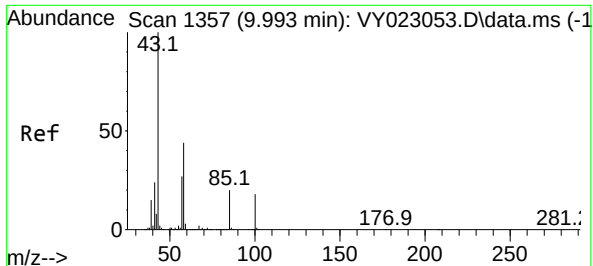
Delta R.T. 0.006 min

Lab File: VY023139.D

Acq: 19 Aug 2025 10:19

Tgt Ion:	98	Resp:	947313
Ion	Ratio	Lower	Upper
98	100		
100	65.4	52.3	78.5





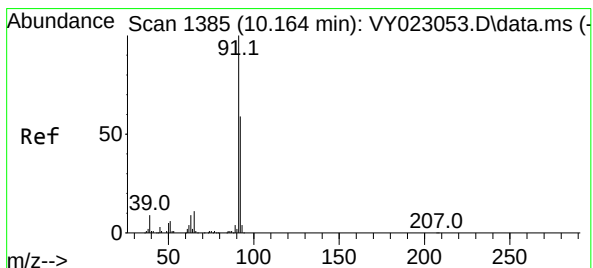
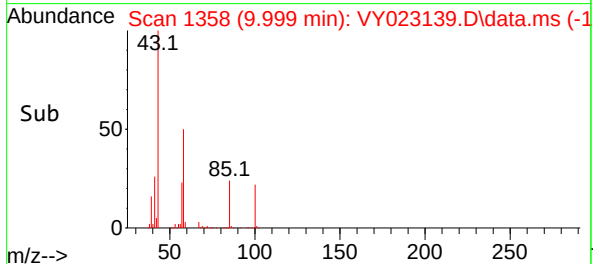
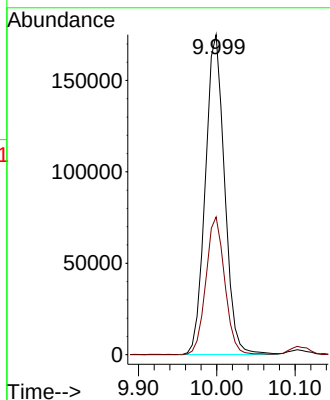
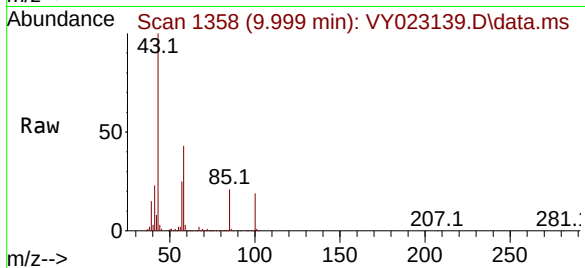
#51
4-Methyl-2-Pentanone
Concen: 93.721 ug/l
RT: 9.999 min Scan# 1357
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBS01

Tgt Ion: 43 Resp: 29817
Ion Ratio Lower Upper
43 100
58 42.3 33.5 50.3

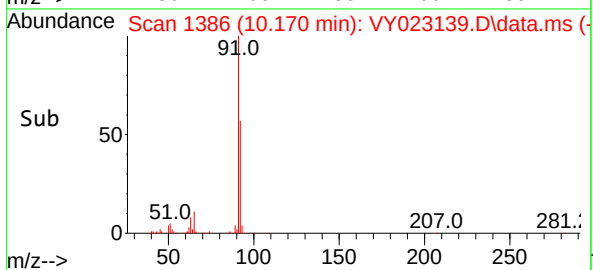
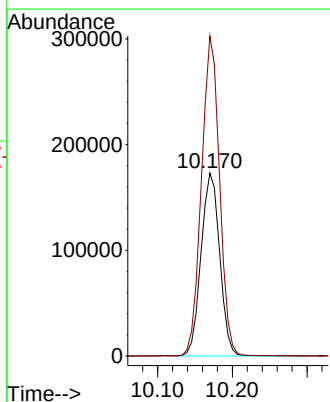
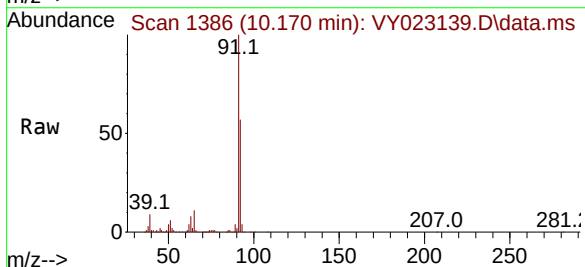
Manual Integrations
APPROVED

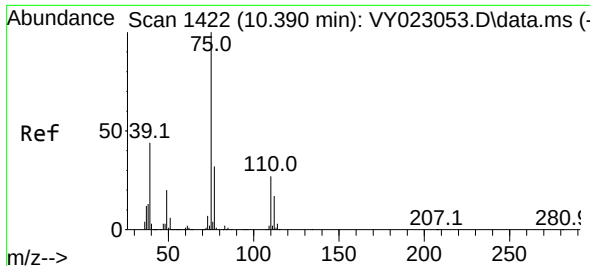
Reviewed By :John Carlone 08/20/2025
Supervised By :Mahesh Dadoda 08/20/2025



#52
Toluene
Concen: 21.028 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

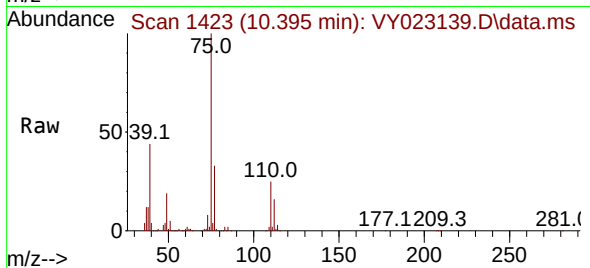
Tgt Ion: 92 Resp: 299030
Ion Ratio Lower Upper
92 100
91 169.8 136.4 204.6





#53
t-1,3-Dichloropropene
Concen: 20.144 ug/l
RT: 10.395 min Scan# 1423
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

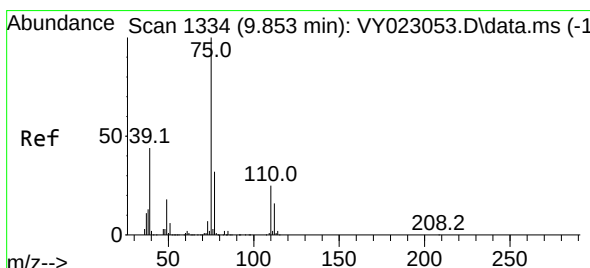
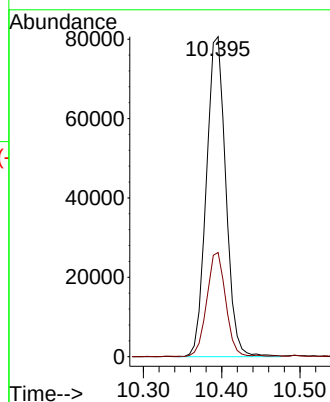
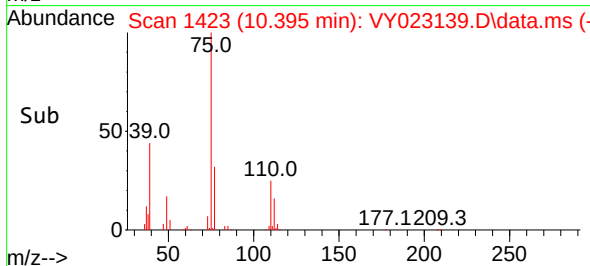
Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBS01



Tgt Ion: 75 Resp: 13879
Ion Ratio Lower Upper
75 100
77 32.4 25.7 38.5

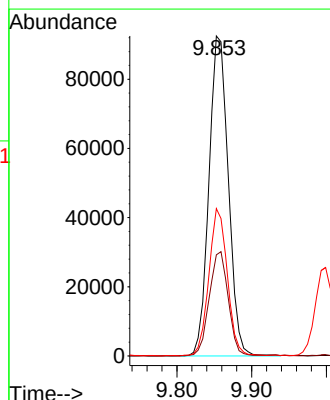
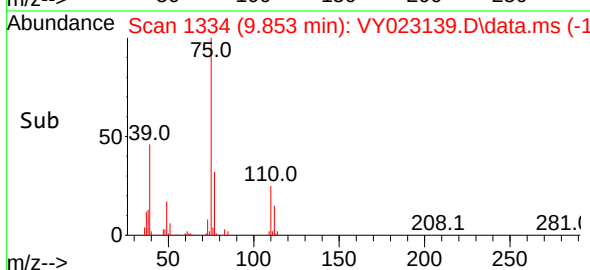
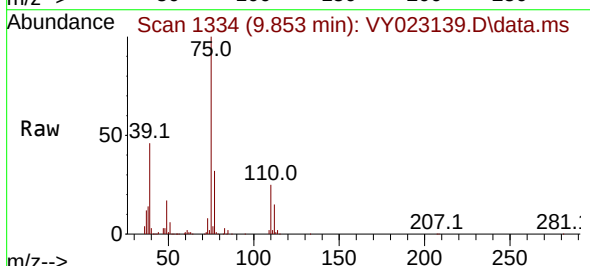
Manual Integrations
APPROVED

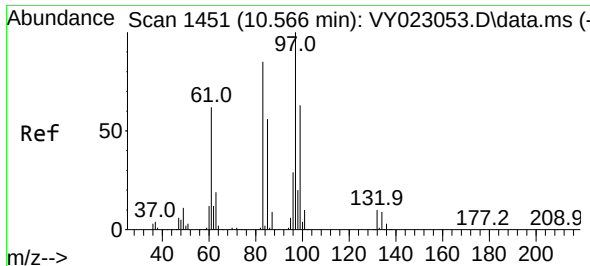
Reviewed By :John Carlone 08/20/2025
Supervised By :Mahesh Dadoda 08/20/2025



#54
cis-1,3-Dichloropropene
Concen: 20.453 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. -0.000 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Tgt Ion: 75 Resp: 166637
Ion Ratio Lower Upper
75 100
77 31.5 25.4 38.0
39 46.0 35.6 53.4





#55

1,1,2-Trichloroethane

Concen: 20.350 ug/l

RT: 10.572 min Scan# 1451

Delta R.T. 0.006 min

Lab File: VY023139.D

Acq: 19 Aug 2025 10:19

Instrument :

MSVOA_Y

ClientSampleId :

VY0819SBS01

Tgt Ion: 97 Resp: 80520

Ion Ratio Lower Upper

97 100

83 90.7 67.7 101.5

85 60.3 44.5 66.7

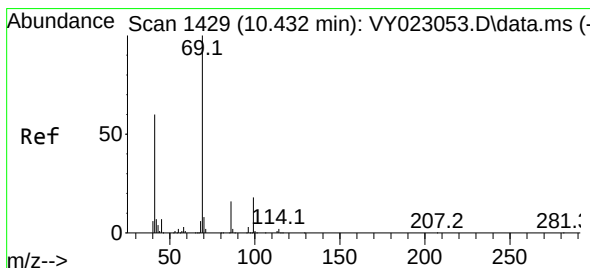
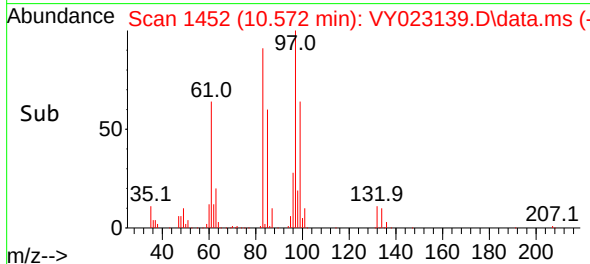
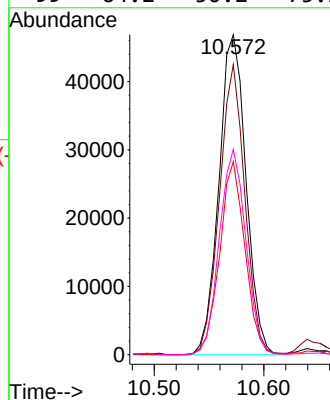
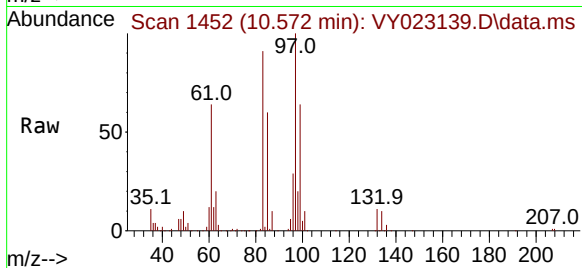
99 64.2 50.2 75.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/20/2025

Supervised By :Mahesh Dadoda 08/20/2025



#56

Ethyl methacrylate

Concen: 18.741 ug/l

RT: 10.438 min Scan# 1430

Delta R.T. 0.006 min

Lab File: VY023139.D

Acq: 19 Aug 2025 10:19

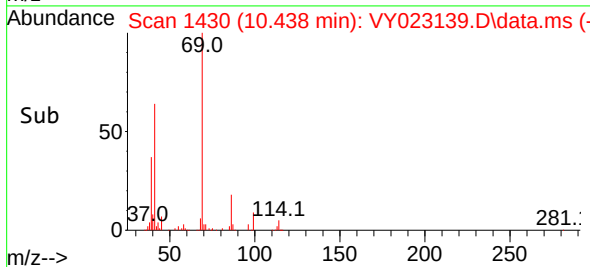
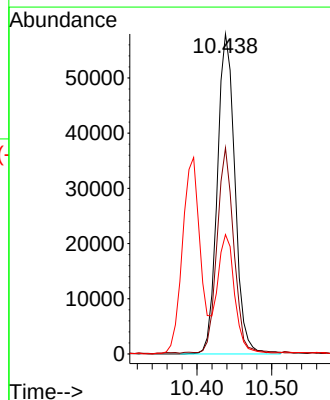
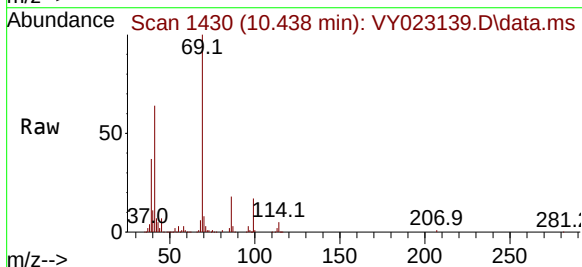
Tgt Ion: 69 Resp: 94888

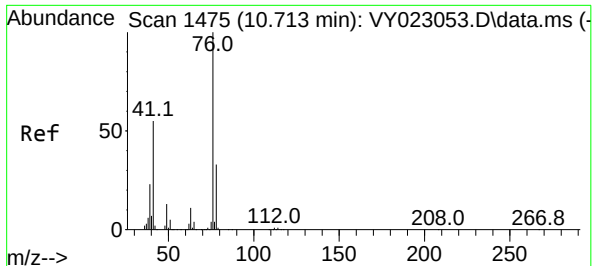
Ion Ratio Lower Upper

69 100

41 61.1 48.6 72.8

39 34.5 27.0 40.4





#57

1,3-Dichloropropane

Concen: 20.594 ug/l

RT: 10.718 min Scan# 1475

Delta R.T. 0.006 min

Lab File: VY023139.D

Acq: 19 Aug 2025 10:19

Instrument :

MSVOA_Y

ClientSampleId :

VY0819SBS01

Tgt Ion: 76 Resp: 13819

Ion Ratio Lower Upper

76 100

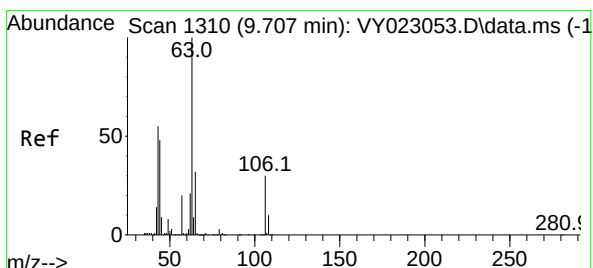
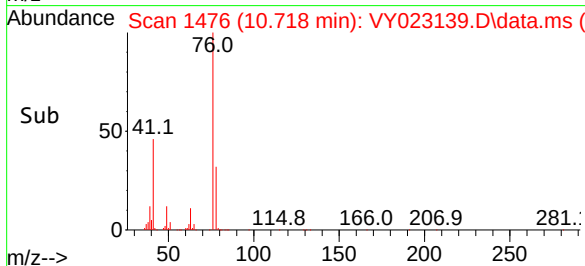
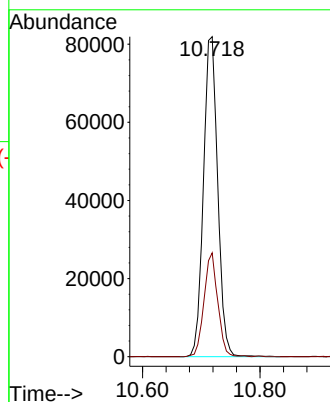
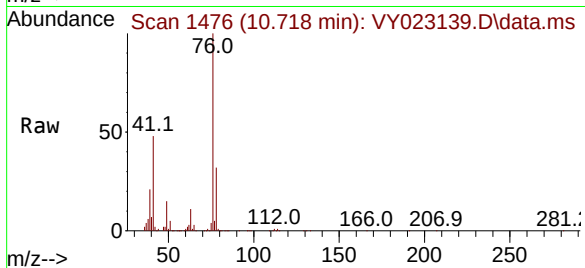
78 31.3 26.0 39.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/20/2025

Supervised By :Mahesh Dadoda 08/20/2025



#58

2-Chloroethyl Vinyl ether

Concen: 94.672 ug/l

RT: 9.713 min Scan# 1311

Delta R.T. 0.006 min

Lab File: VY023139.D

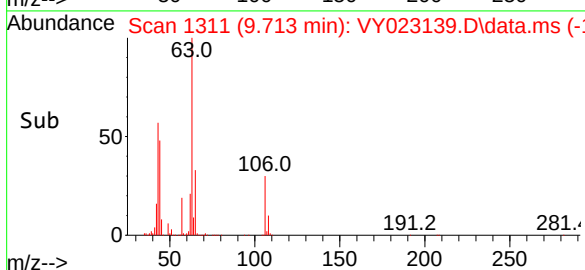
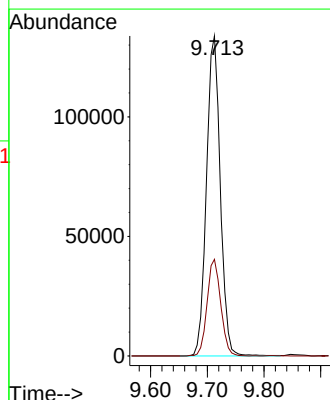
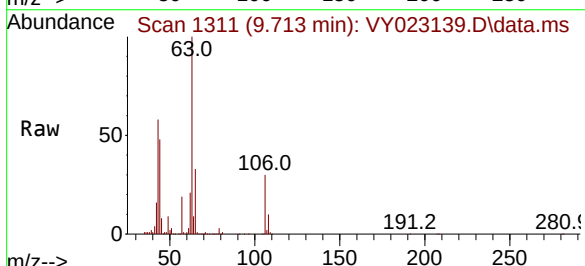
Acq: 19 Aug 2025 10:19

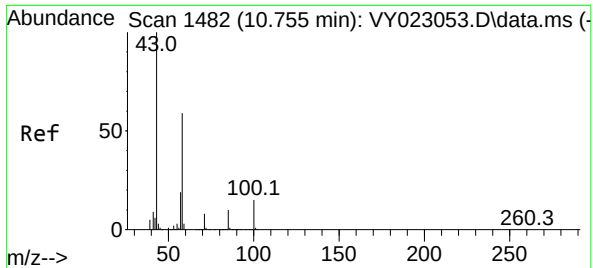
Tgt Ion: 63 Resp: 226098

Ion Ratio Lower Upper

63 100

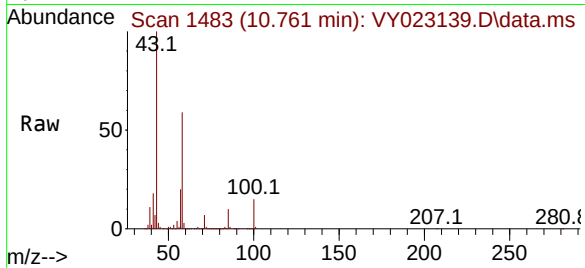
106 29.8 23.2 34.8





#59
2-Hexanone
Concen: 99.034 ug/l
RT: 10.761 min Scan# 1482
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

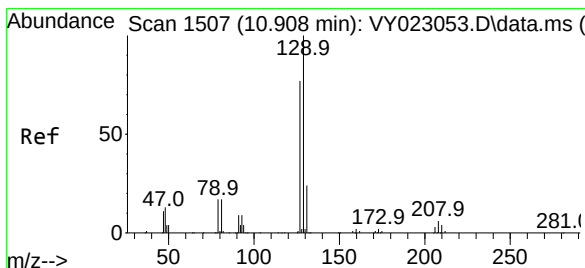
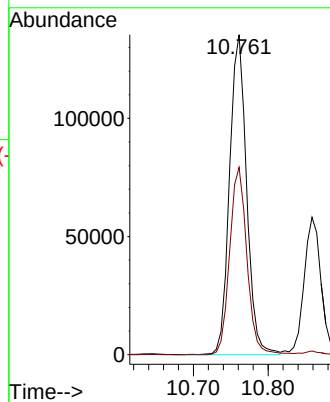
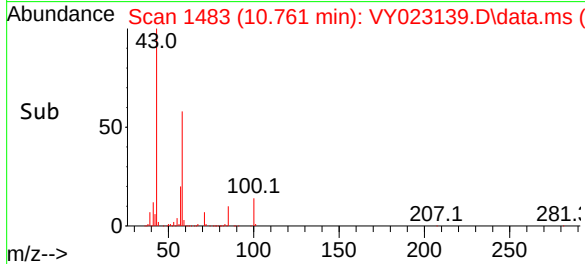
Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBS01



Tgt Ion: 43 Resp: 21454
Ion Ratio Lower Upper
43 100
58 59.3 29.5 88.5

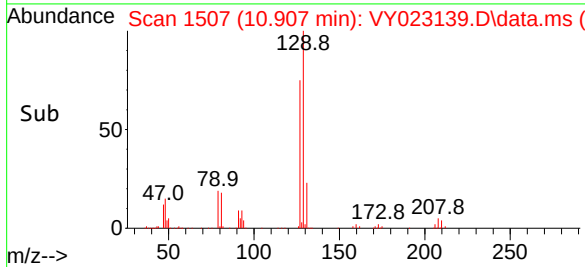
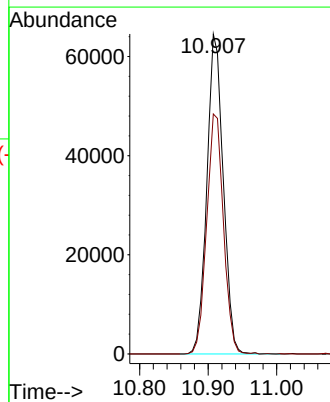
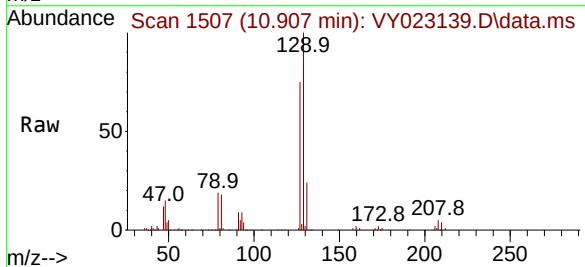
Manual Integrations
APPROVED

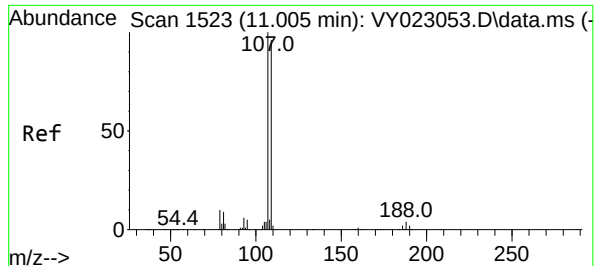
Reviewed By :John Carlone 08/20/2025
Supervised By :Mahesh Dadoda 08/20/2025



#60
Dibromochloromethane
Concen: 20.554 ug/l
RT: 10.907 min Scan# 1507
Delta R.T. -0.000 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

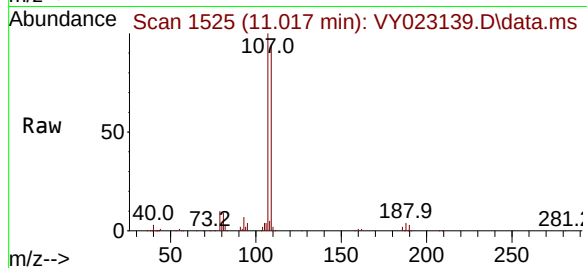
Tgt Ion:129 Resp: 107311
Ion Ratio Lower Upper
129 100
127 76.8 38.5 115.5





#61
1,2-Dibromoethane
Concen: 20.280 ug/l
RT: 11.017 min Scan# 1525
Delta R.T. 0.012 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

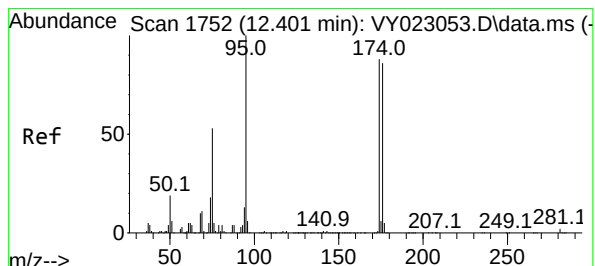
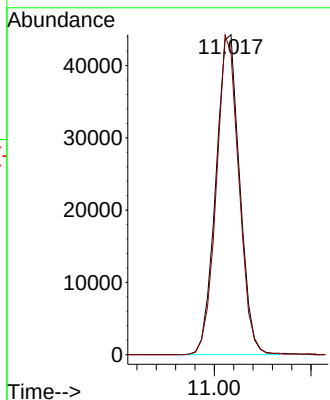
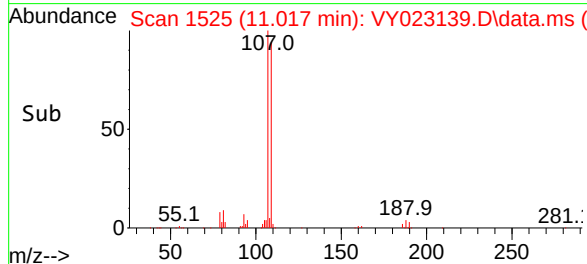
Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBS01



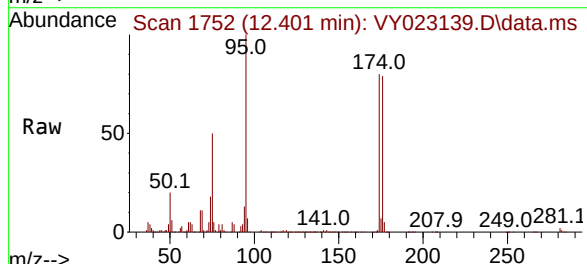
Tgt Ion:107 Resp: 75418
Ion Ratio Lower Upper
107 100
109 94.9 75.6 113.4

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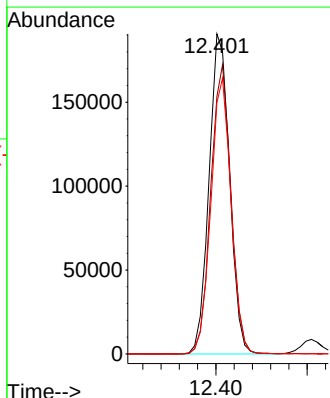
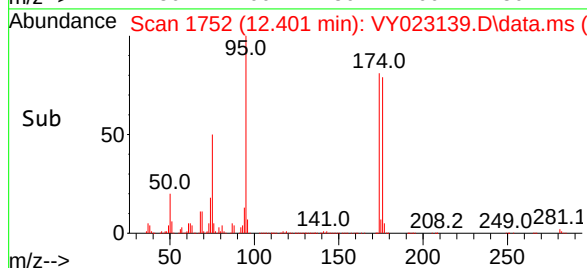
Reviewed By :John Carlone 08/20/2025
Supervised By :Mahesh Dadoda 08/20/2025

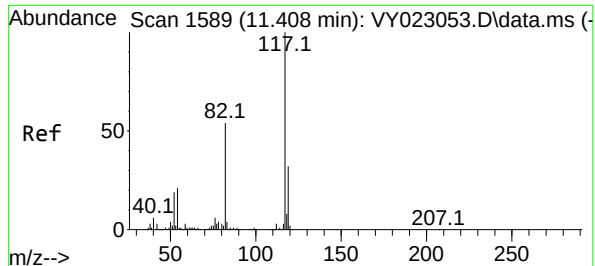


#62
4-Bromofluorobenzene
Concen: 48.544 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.000 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19



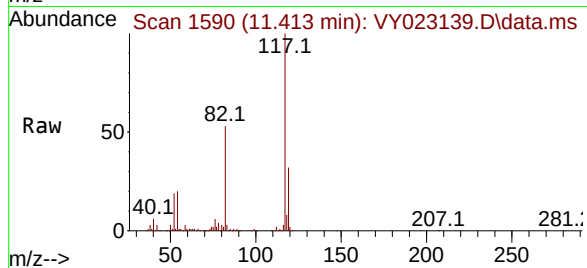
Tgt Ion: 95 Resp: 298119
Ion Ratio Lower Upper
95 100
174 88.9 0.0 171.6
176 85.0 0.0 167.6





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.413 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

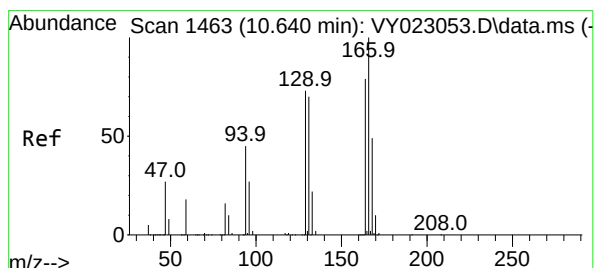
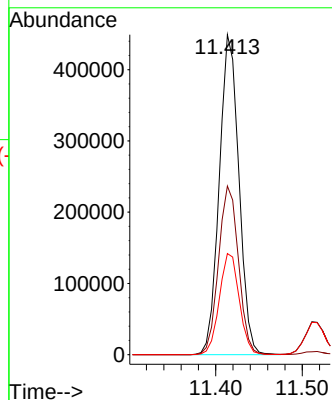
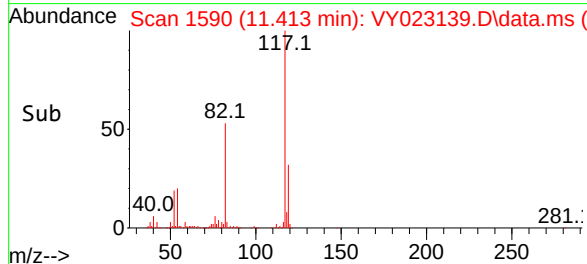
Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBS01



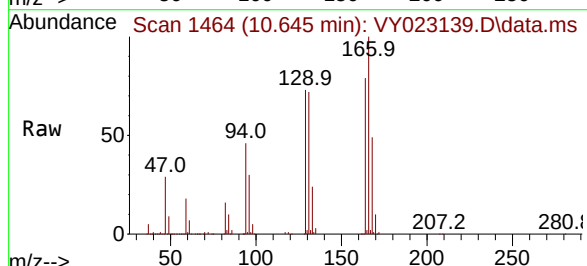
Tgt Ion:117 Resp: 707204
Ion Ratio Lower Upper
117 100
82 52.7 43.4 65.0
119 31.6 25.6 38.4

Manual Integrations
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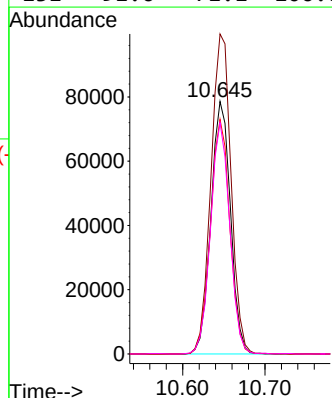
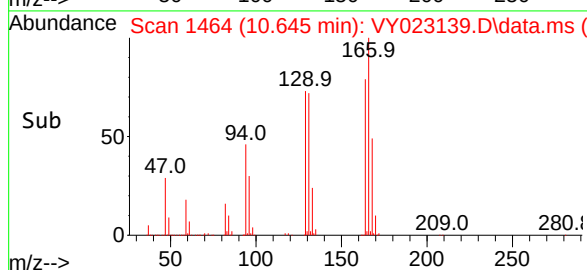
Reviewed By :John Carlone 08/20/2025
Supervised By :Mahesh Dadoda 08/20/2025

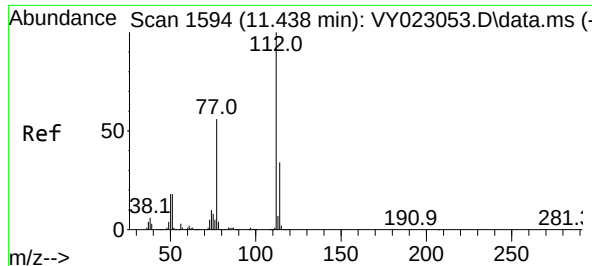


#64
Tetrachloroethene
Concen: 20.532 ug/l
RT: 10.645 min Scan# 1464
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19



Tgt Ion:164 Resp: 129655
Ion Ratio Lower Upper
164 100
166 126.7 101.1 151.7
129 92.9 74.0 111.0
131 91.6 71.1 106.7





#65

Chlorobenzene

Concen: 21.346 ug/l

RT: 11.438 min Scan# 1594

Delta R.T. -0.000 min

Lab File: VY023139.D

Acq: 19 Aug 2025 10:19

Instrument :

MSVOA_Y

ClientSampleId :

VY0819SBS01

Tgt Ion:112 Resp: 325629

Ion Ratio Lower Upper

112 100

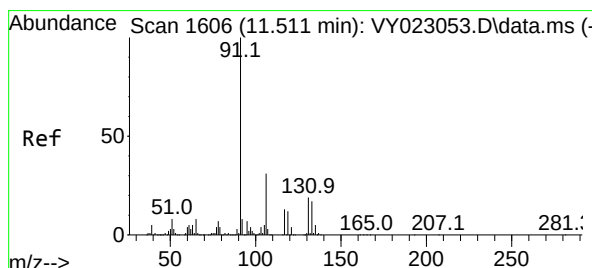
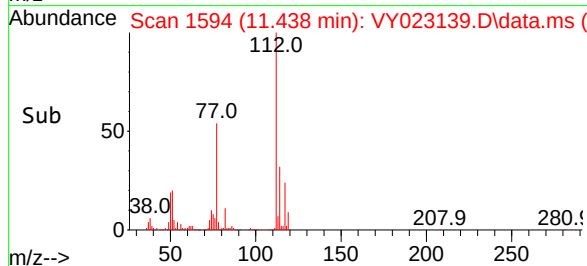
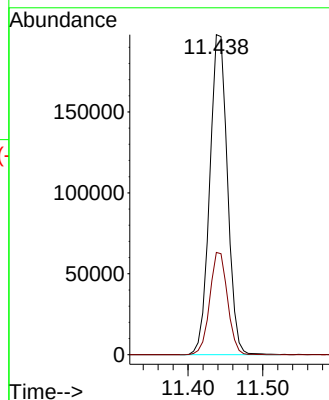
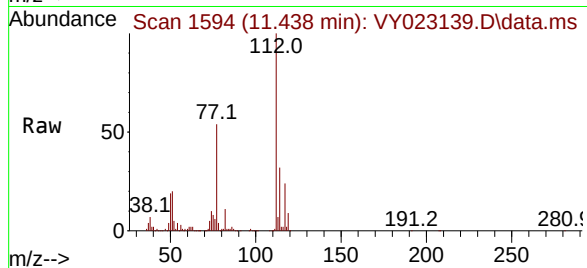
114 31.9 27.0 40.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/20/2025

Supervised By :Mahesh Dadoda 08/20/2025



#66

1,1,1,2-Tetrachloroethane

Concen: 21.199 ug/l

RT: 11.517 min Scan# 1607

Delta R.T. 0.006 min

Lab File: VY023139.D

Acq: 19 Aug 2025 10:19

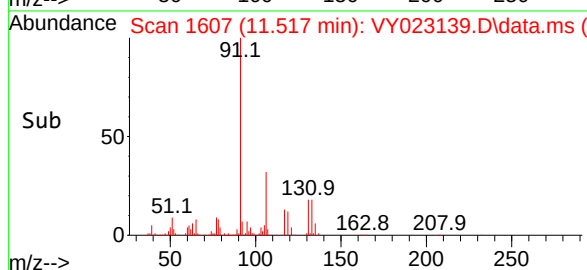
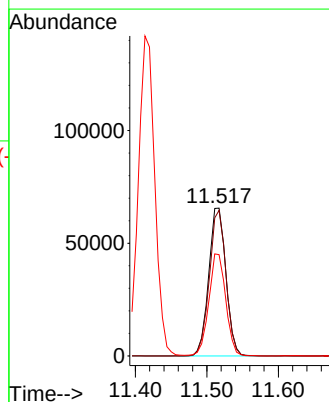
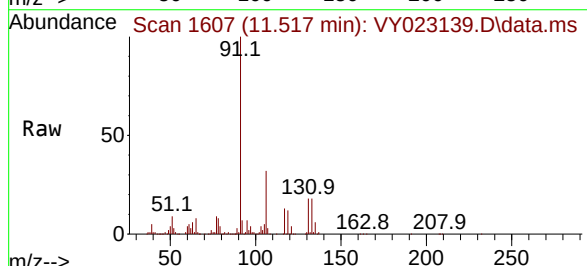
Tgt Ion:131 Resp: 109752

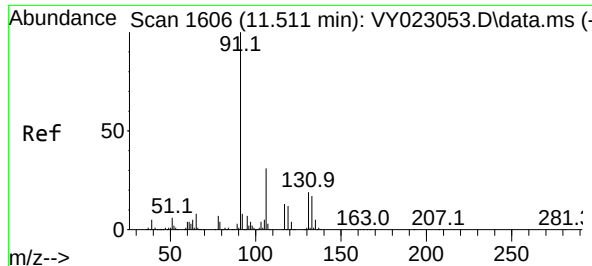
Ion Ratio Lower Upper

131 100

133 95.3 46.9 140.6

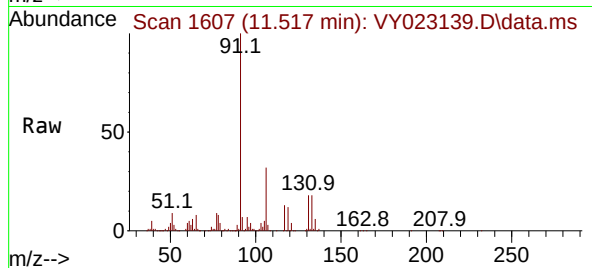
119 67.9 33.2 99.6





#67
Ethyl Benzene
Concen: 20.767 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

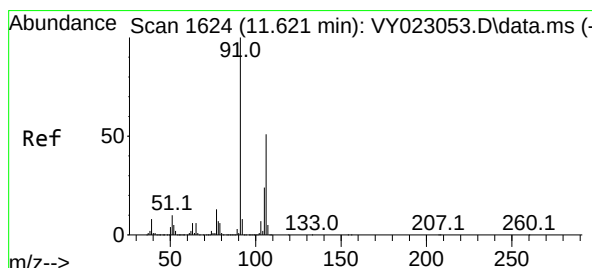
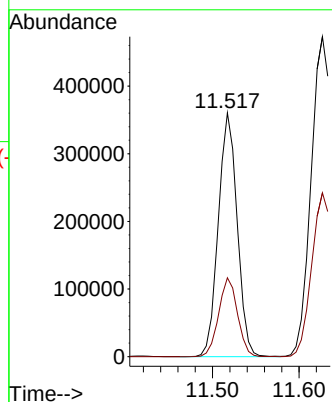
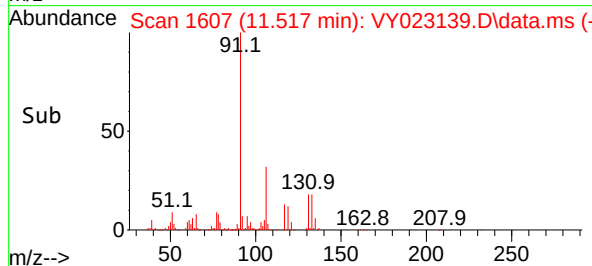
Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBS01



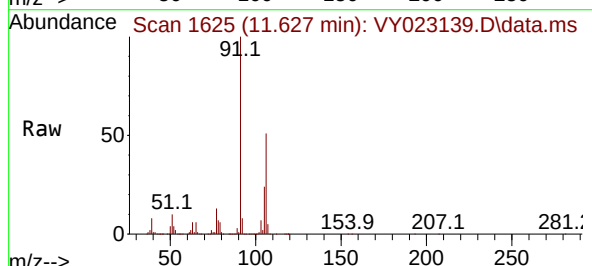
Tgt Ion: 91 Resp: 545170
Ion Ratio Lower Upper
91 100
106 32.4 25.0 37.4

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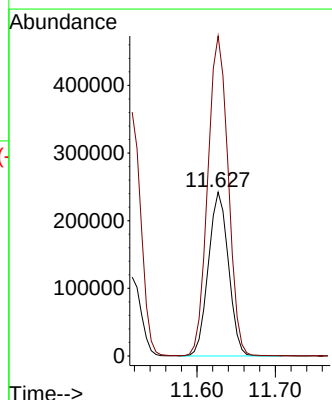
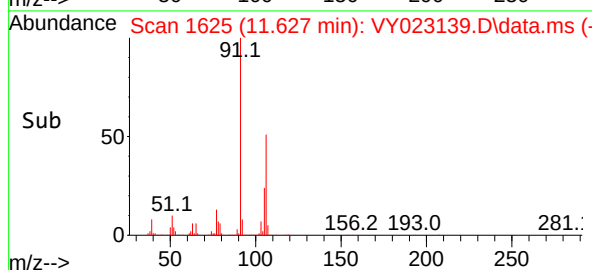
Reviewed By :John Carlone 08/20/2025
Supervised By :Mahesh Dadoda 08/20/2025

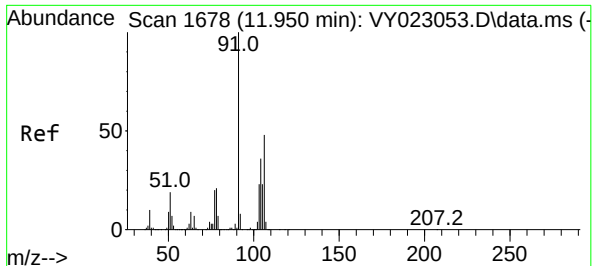


#68
m/p-Xylenes
Concen: 41.951 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19



Tgt Ion:106 Resp: 430120
Ion Ratio Lower Upper
106 100
91 198.8 158.6 238.0





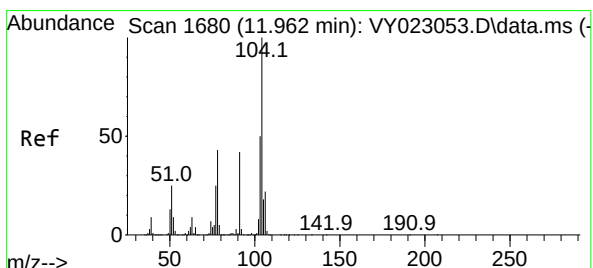
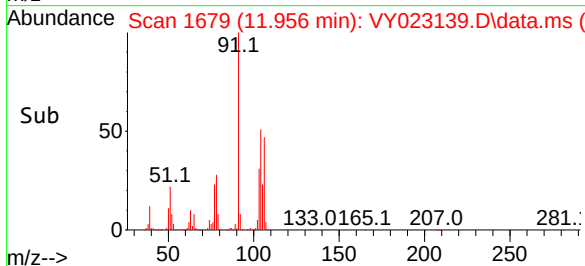
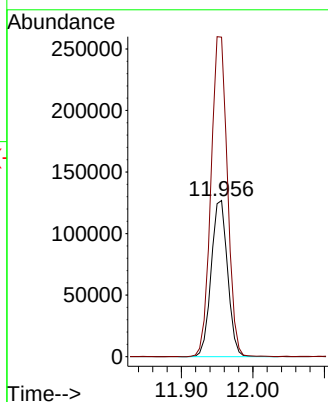
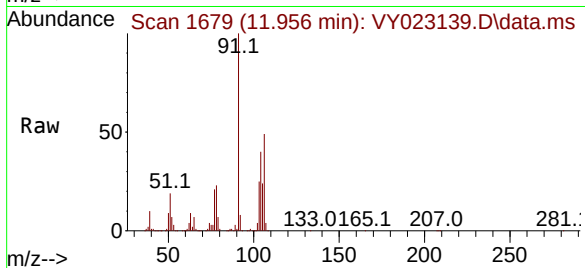
#69
o-Xylene
Concen: 21.020 ug/l
RT: 11.956 min Scan# 1678
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBS01

Tgt Ion:106 Resp: 20184
Ion Ratio Lower Upper
106 100
91 206.0 103.2 309.4

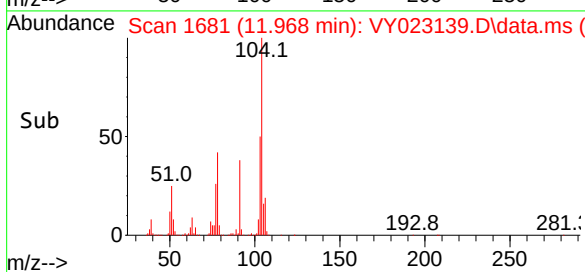
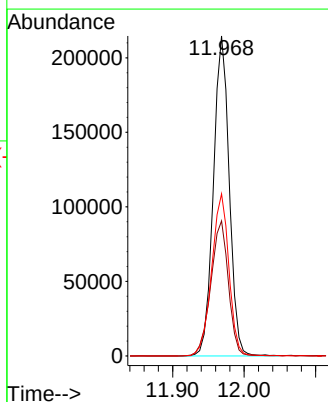
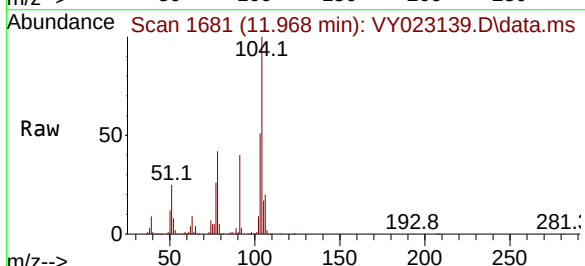
Manual Integrations
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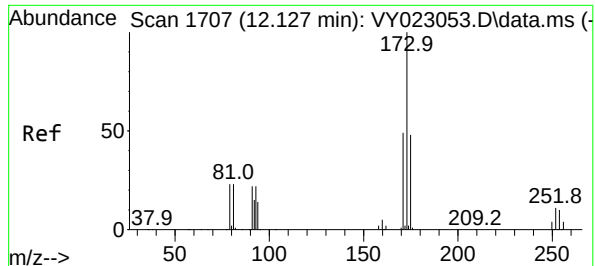
Reviewed By :John Carlone 08/20/2025
Supervised By :Mahesh Dadoda 08/20/2025



#70
Styrene
Concen: 21.028 ug/l
RT: 11.968 min Scan# 1681
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

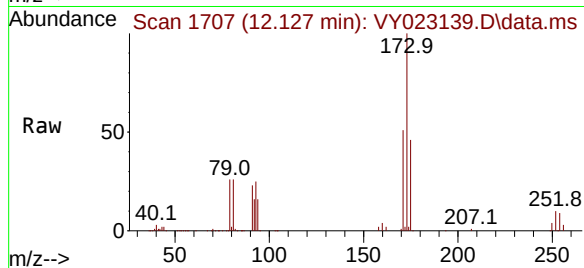
Tgt Ion:104 Resp: 330216
Ion Ratio Lower Upper
104 100
78 46.9 38.5 57.7
103 55.0 43.7 65.5





#71
Bromoform
Concen: 20.525 ug/l
RT: 12.127 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

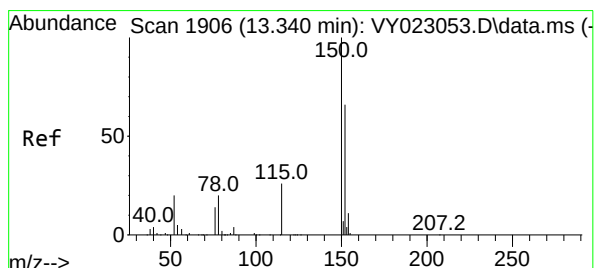
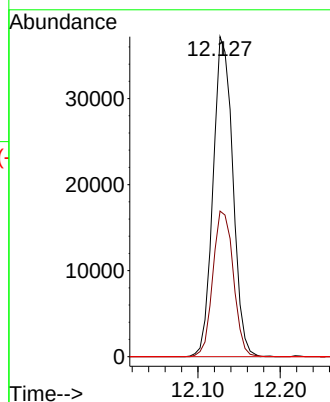
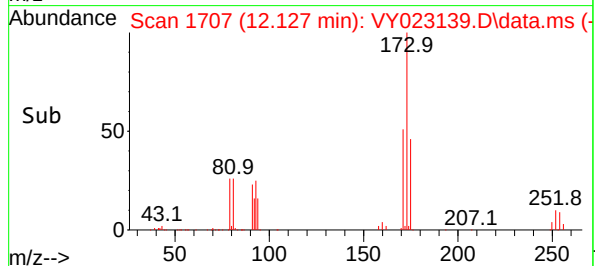
Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBS01



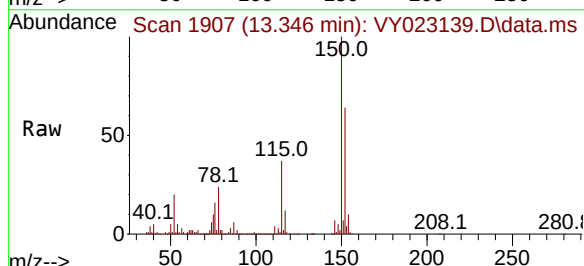
Tgt Ion:173 Resp: 6210
Ion Ratio Lower Upper
173 100
175 47.2 23.9 71.7
254 0.0 0.1 0.1

Manual Integrations
APPROVED

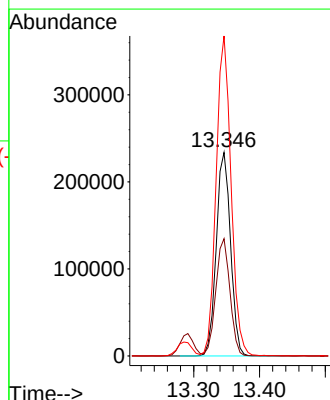
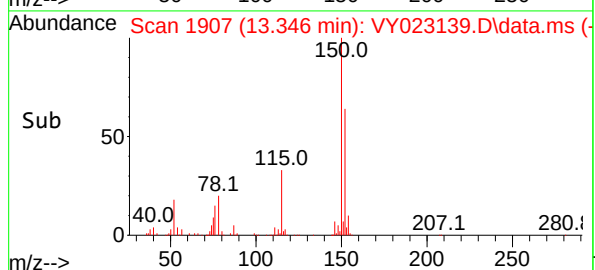
Reviewed By :John Carlone 08/20/2025
Supervised By :Mahesh Dadoda 08/20/2025

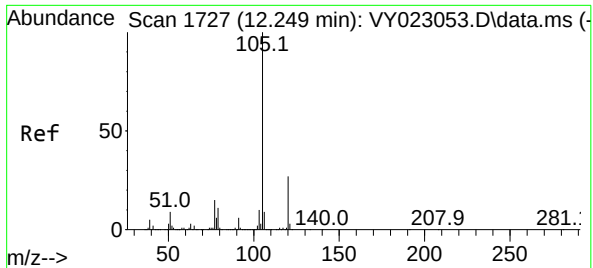


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19



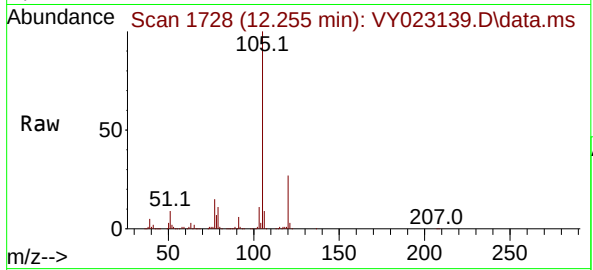
Tgt Ion:152 Resp: 352720
Ion Ratio Lower Upper
152 100
115 56.8 28.2 84.6
150 164.2 0.0 348.0





#73
Isopropylbenzene
Concen: 21.185 ug/l
RT: 12.255 min Scan# 1728
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

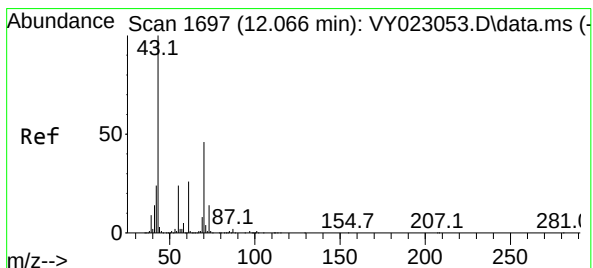
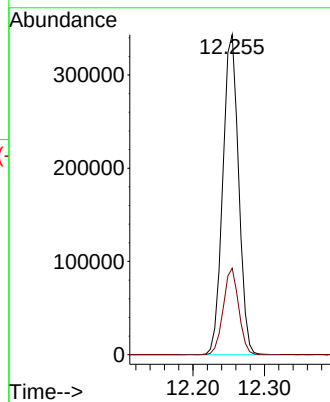
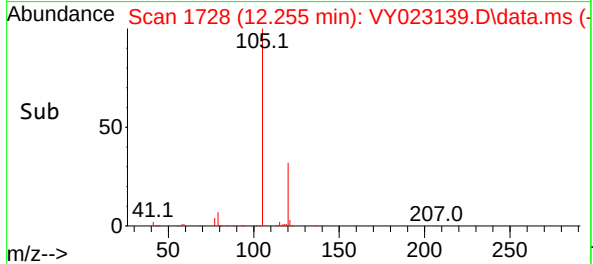
Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBS01



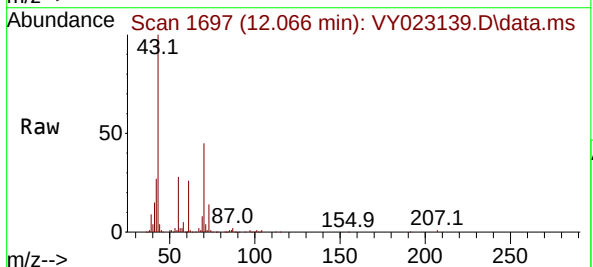
Tgt Ion:105 Resp: 52738
Ion Ratio Lower Upper
105 100
120 26.4 13.4 40.2

Manual Integrations
APPROVED

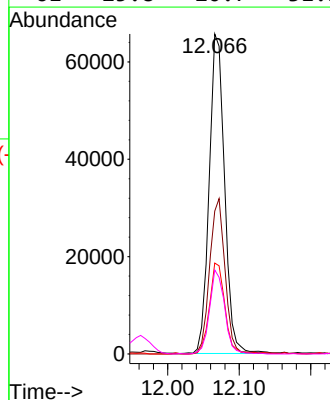
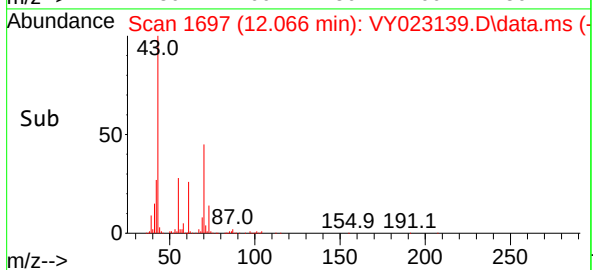
Reviewed By :John Carlone 08/20/2025
Supervised By :Mahesh Dadoda 08/20/2025

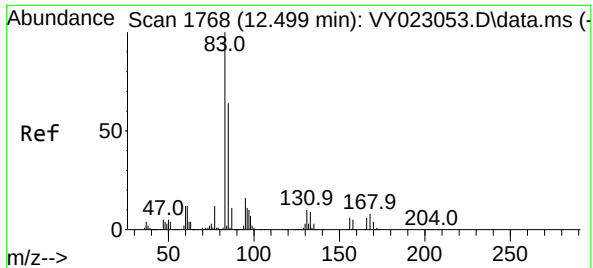


#74
N-ethyl acetate
Concen: 18.632 ug/l
RT: 12.066 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19



Tgt Ion: 43 Resp: 98366
Ion Ratio Lower Upper
43 100
70 48.9 37.5 56.3
55 28.7 20.7 31.1
61 25.8 20.7 31.1





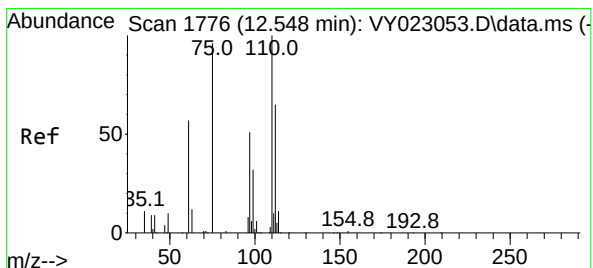
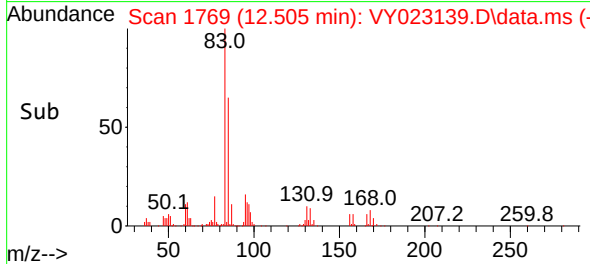
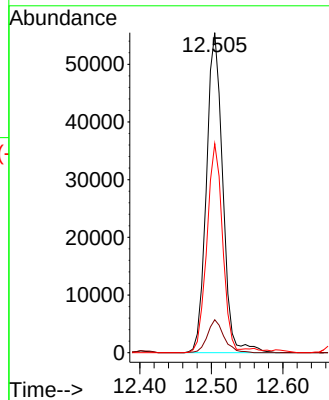
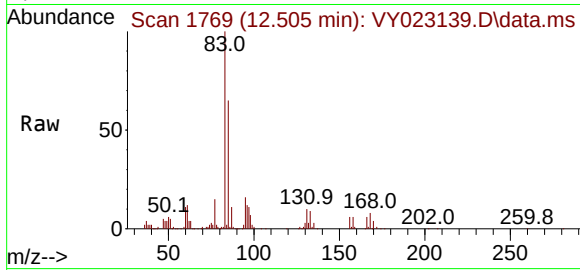
#75
1,1,2,2-Tetrachloroethane
Concen: 20.694 ug/l
RT: 12.505 min Scan# 1769
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBS01

Tgt Ion:	83	Resp:	87962
Ion Ratio	Lower	Upper	
83	100		
131	10.4	5.1	15.3
85	62.7	31.8	95.3

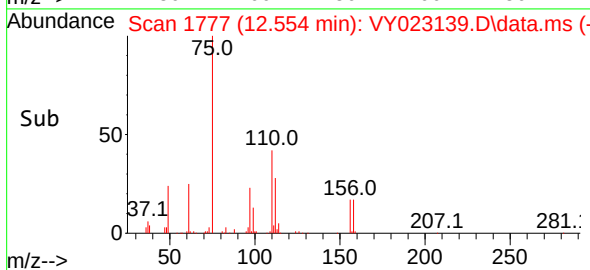
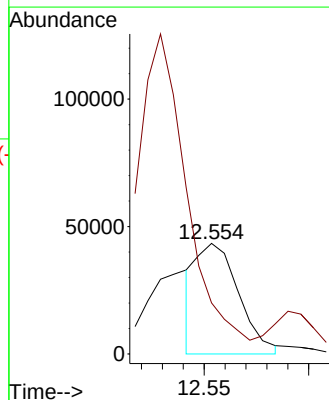
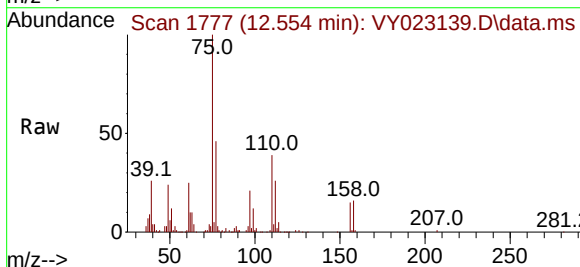
Manual Integrations
APPROVED

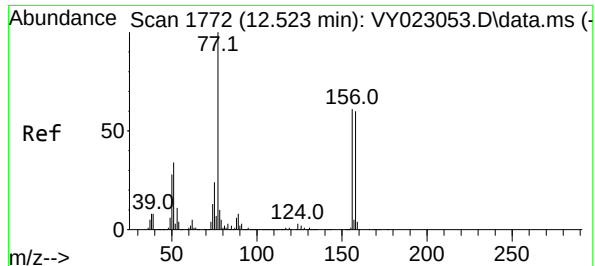
Reviewed By :John Carlone 08/20/2025
Supervised By :Mahesh Dadoda 08/20/2025



#76
1,2,3-Trichloropropane
Concen: 18.095 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Tgt Ion:	75	Resp:	61598
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.592 ug/l

RT: 12.529 min Scan# 1773

Delta R.T. 0.006 min

Lab File: VY023139.D

Acq: 19 Aug 2025 10:19

Instrument :

MSVOA_Y

ClientSampleId :

VY0819SBS01

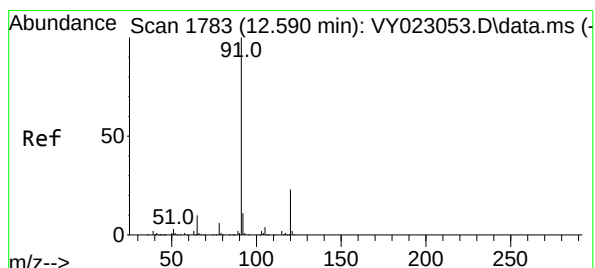
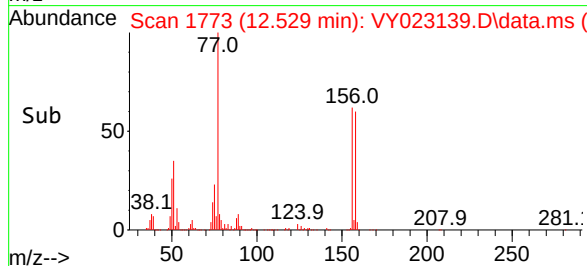
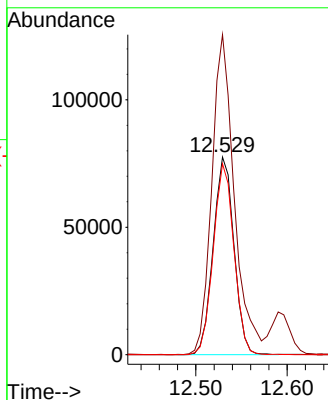
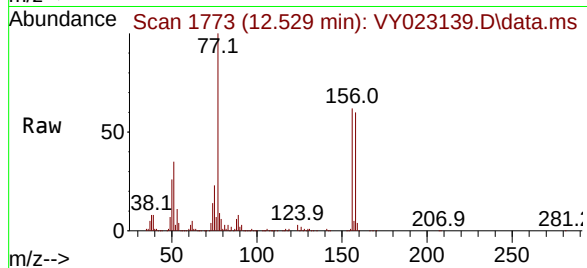
Tgt Ion:	156	Resp:	122298
Ion Ratio	Lower	Upper	
156	100		
77	174.9	88.1	264.4
158	96.4	48.0	144.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/20/2025

Supervised By :Mahesh Dadoda 08/20/2025



#78

n-propylbenzene

Concen: 21.255 ug/l

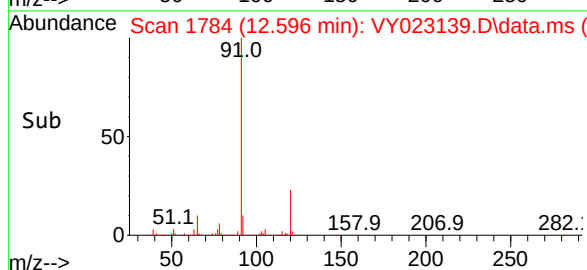
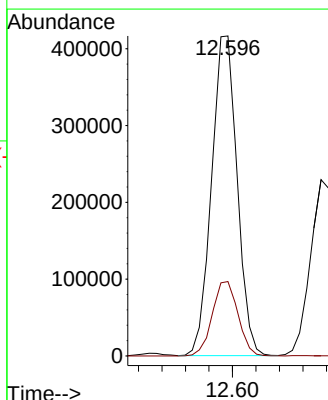
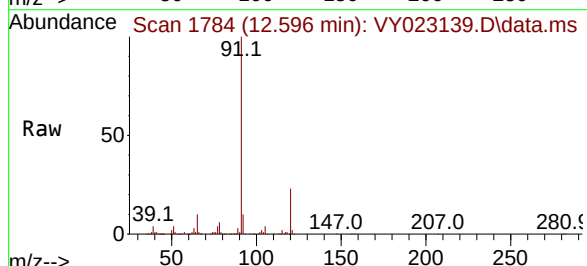
RT: 12.596 min Scan# 1784

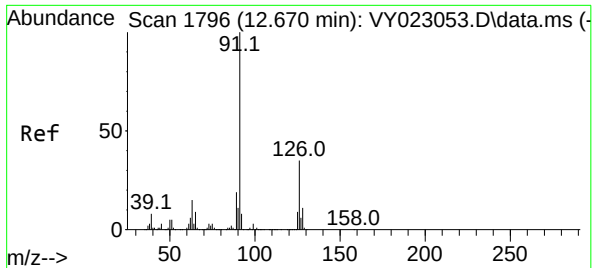
Delta R.T. 0.006 min

Lab File: VY023139.D

Acq: 19 Aug 2025 10:19

Tgt Ion:	91	Resp:	629976
Ion Ratio	Lower	Upper	
91	100		
120	23.4	11.5	34.5





#79

2-Chlorotoluene

Concen: 20.990 ug/l

RT: 12.675 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023139.D

Acq: 19 Aug 2025 10:19

Instrument :

MSVOA_Y

ClientSampleId :

VY0819SBS01

Tgt Ion: 91 Resp: 35644

Ion Ratio Lower Upper

91 100

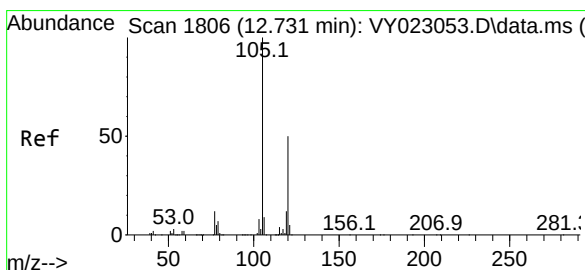
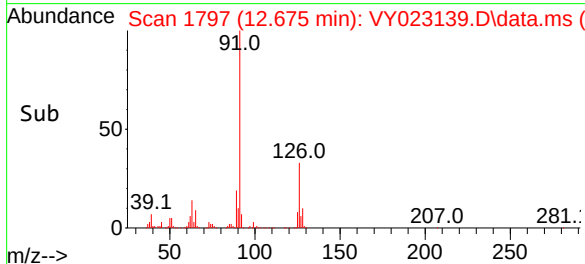
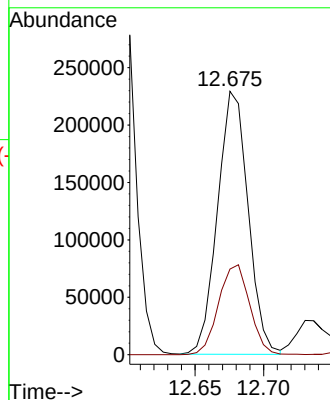
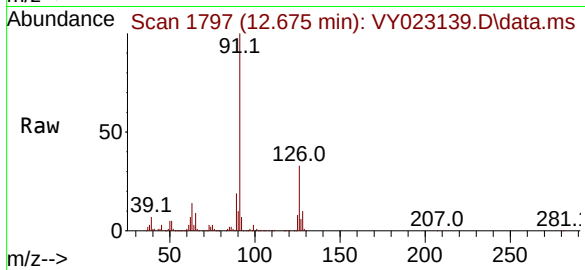
126 34.8 17.4 52.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/20/2025

Supervised By :Mahesh Dadoda 08/20/2025



#80

1,3,5-Trimethylbenzene

Concen: 21.022 ug/l

RT: 12.736 min Scan# 1807

Delta R.T. 0.006 min

Lab File: VY023139.D

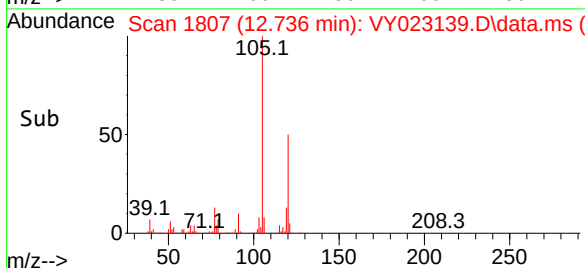
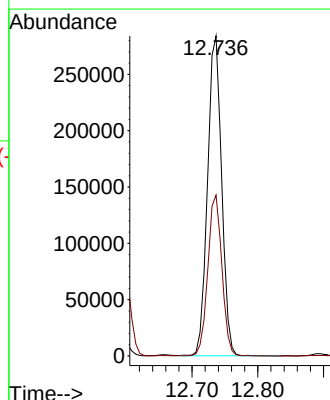
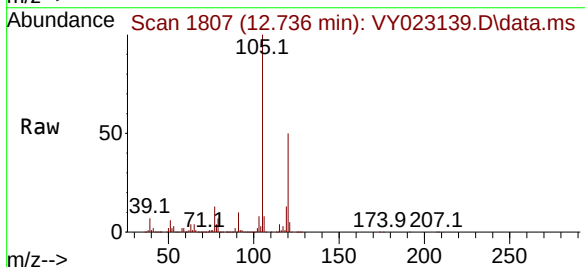
Acq: 19 Aug 2025 10:19

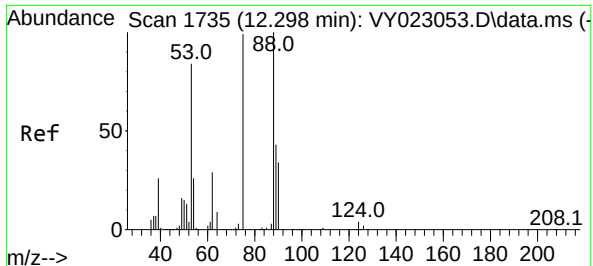
Tgt Ion:105 Resp: 422945

Ion Ratio Lower Upper

105 100

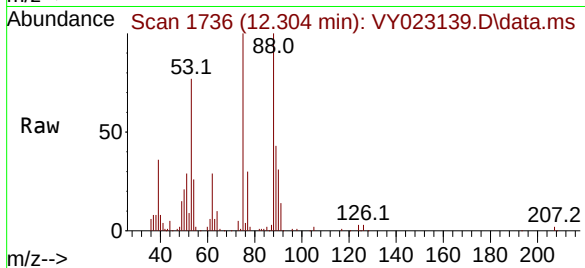
120 50.1 24.8 74.4





#81
trans-1,4-Dichloro-2-butene
Concen: 19.838 ug/l
RT: 12.304 min Scan# 1736
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

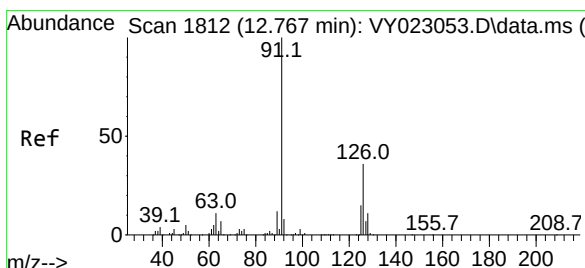
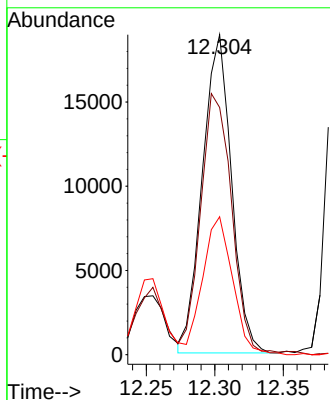
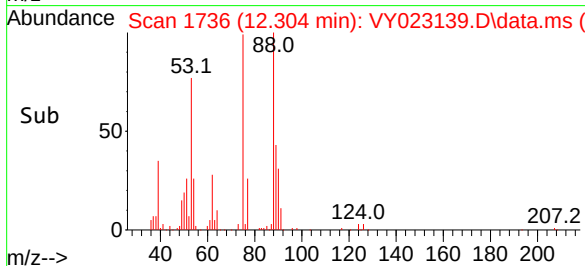
Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBS01



Tgt Ion: 75 Resp: 2789
Ion Ratio Lower Upper
75 100
53 88.5 70.8 106.2
89 44.3 38.1 57.1

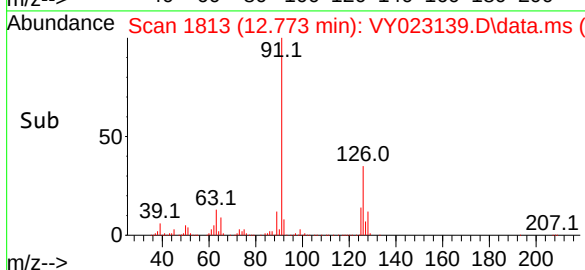
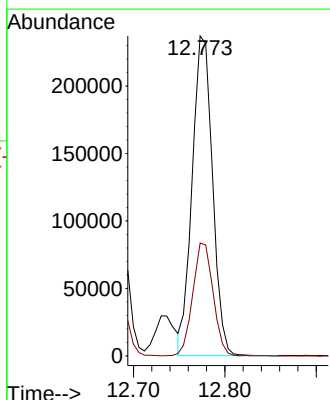
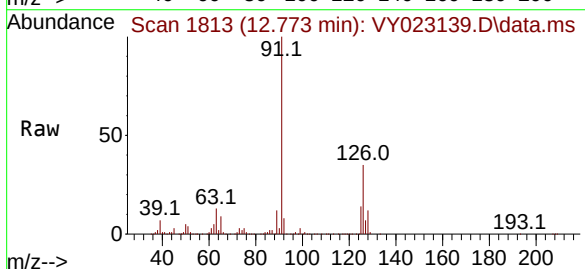
Manual Integrations
APPROVED

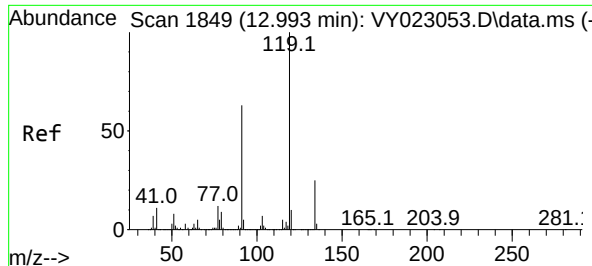
Reviewed By :John Carlone 08/20/2025
Supervised By :Mahesh Dadoda 08/20/2025



#82
4-Chlorotoluene
Concen: 20.803 ug/l
RT: 12.773 min Scan# 1813
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Tgt Ion: 91 Resp: 366476
Ion Ratio Lower Upper
91 100
126 35.5 17.3 52.0





#83

tert-Butylbenzene

Concen: 21.122 ug/l

RT: 12.992 min Scan# 1849

Delta R.T. -0.000 min

Lab File: VY023139.D

Acq: 19 Aug 2025 10:19

Instrument :

MSVOA_Y

ClientSampleId :

VY0819SBS01

Tgt Ion:119 Resp: 38381

Ion Ratio Lower Upper

119 100

91 62.5 31.6 94.8

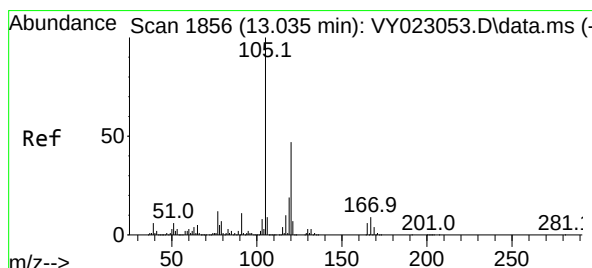
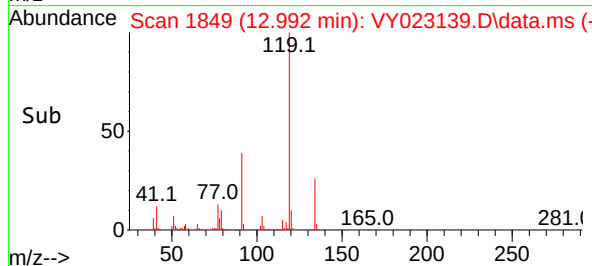
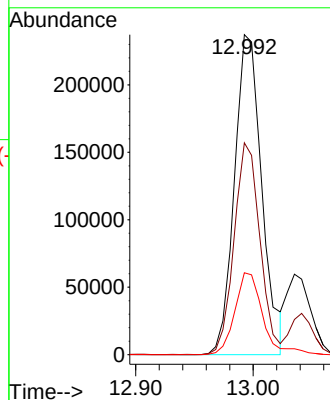
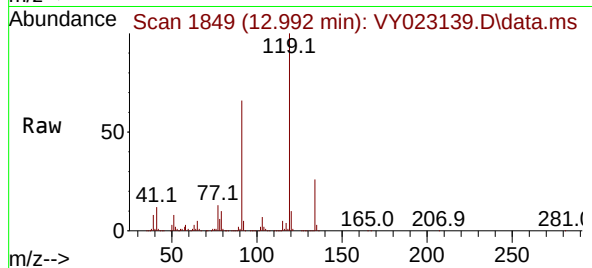
134 26.1 12.9 38.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/20/2025

Supervised By :Mahesh Dadoda 08/20/2025



#84

1,2,4-Trimethylbenzene

Concen: 21.298 ug/l

RT: 13.041 min Scan# 1857

Delta R.T. 0.006 min

Lab File: VY023139.D

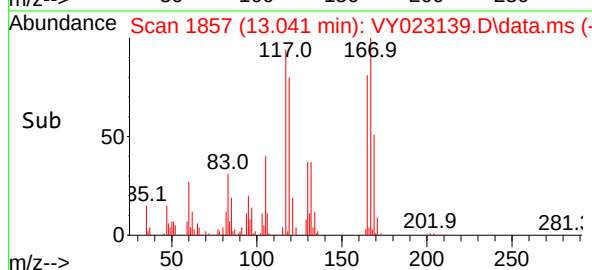
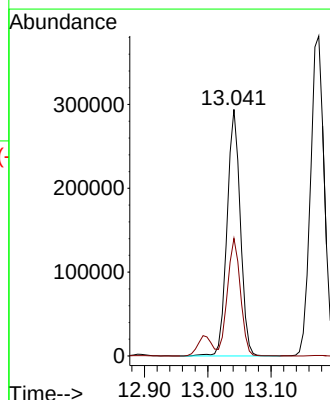
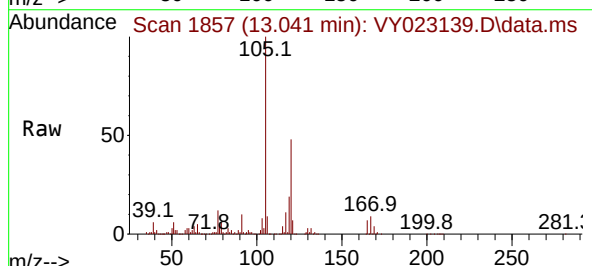
Acq: 19 Aug 2025 10:19

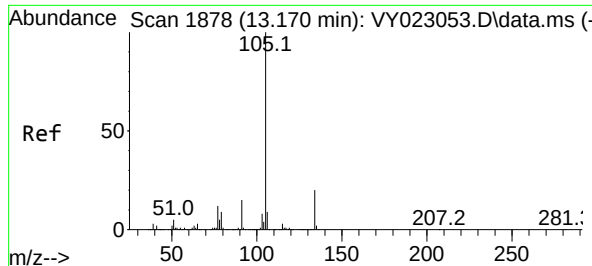
Tgt Ion:105 Resp: 426567

Ion Ratio Lower Upper

105 100

120 46.5 23.0 69.0





#85

sec-Butylbenzene

Concen: 21.463 ug/l

RT: 13.175 min Scan# 1878

Delta R.T. 0.006 min

Lab File: VY023139.D

Acq: 19 Aug 2025 10:19

Instrument :

MSVOA_Y

ClientSampleId :

VY0819SBS01

Tgt Ion:105 Resp: 57291

Ion Ratio Lower Upper

105 100

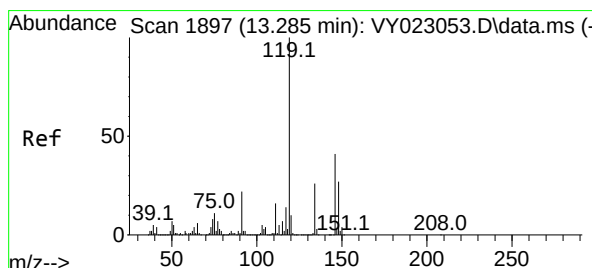
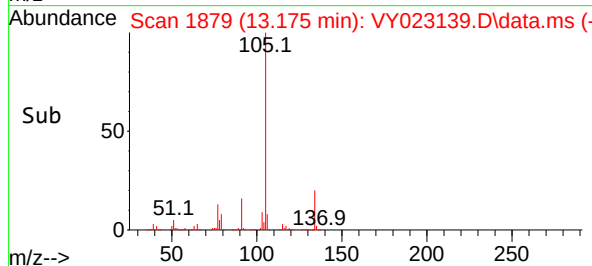
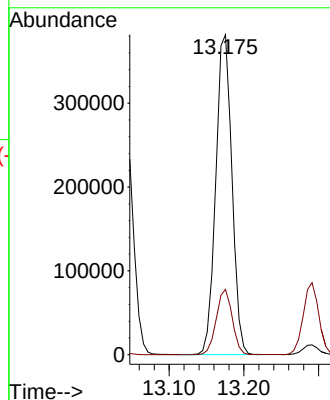
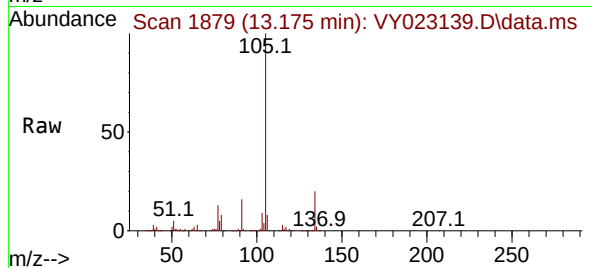
134 20.1 10.2 30.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/20/2025

Supervised By :Mahesh Dadoda 08/20/2025



#86

p-Isopropyltoluene

Concen: 21.375 ug/l

RT: 13.291 min Scan# 1898

Delta R.T. 0.006 min

Lab File: VY023139.D

Acq: 19 Aug 2025 10:19

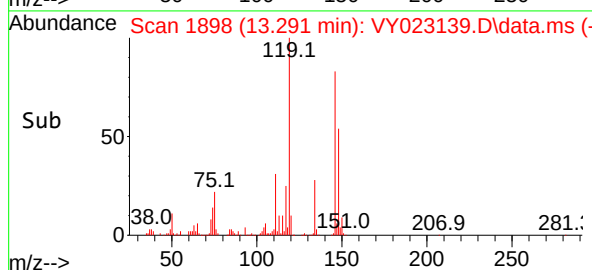
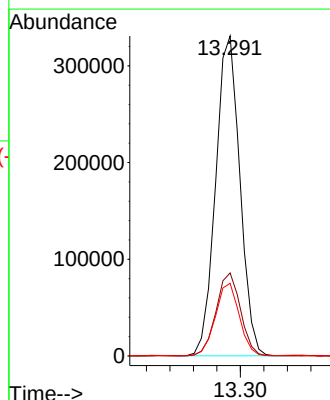
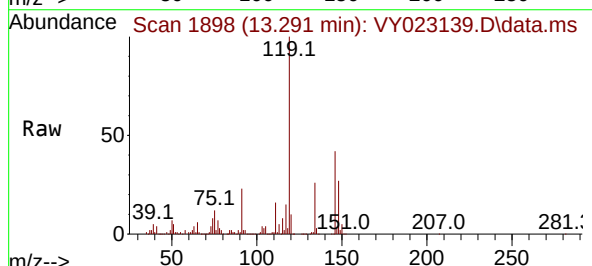
Tgt Ion:119 Resp: 473600

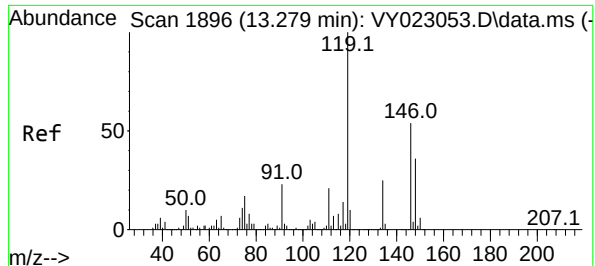
Ion Ratio Lower Upper

119 100

134 26.2 13.2 39.6

91 22.3 11.3 33.8





#87

1,3-Dichlorobenzene

Concen: 20.938 ug/l

RT: 13.285 min Scan# 1896

Delta R.T. 0.006 min

Lab File: VY023139.D

Acq: 19 Aug 2025 10:19

Instrument :

MSVOA_Y

ClientSampleId :

VY0819SBS01

Tgt Ion:146 Resp: 245224

Ion Ratio Lower Upper

146 100

111 38.4 19.6 58.7

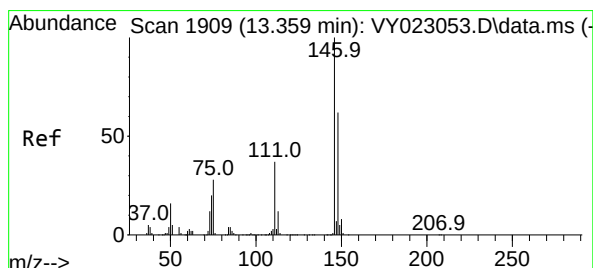
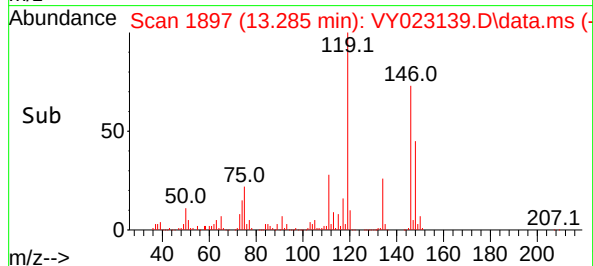
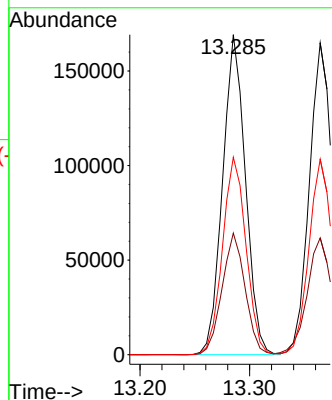
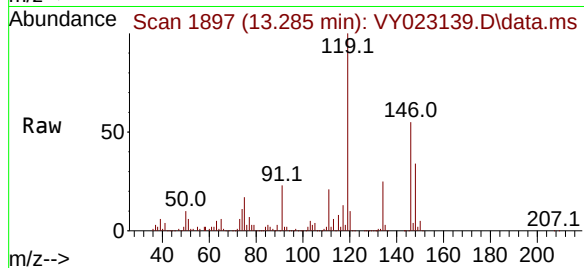
148 63.6 32.5 97.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/20/2025

Supervised By :Mahesh Dadoda 08/20/2025



#88

1,4-Dichlorobenzene

Concen: 20.829 ug/l

RT: 13.364 min Scan# 1910

Delta R.T. 0.006 min

Lab File: VY023139.D

Acq: 19 Aug 2025 10:19

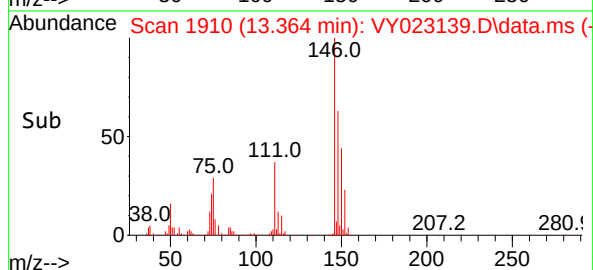
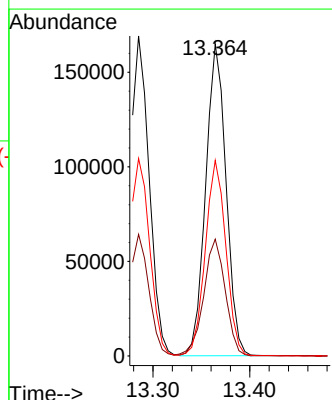
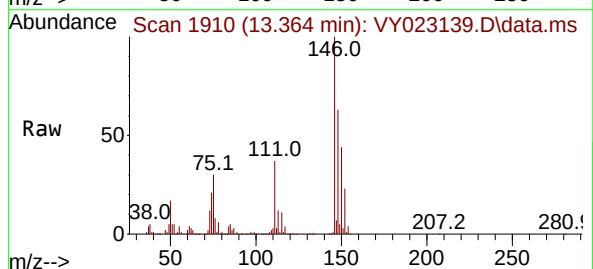
Tgt Ion:146 Resp: 241992

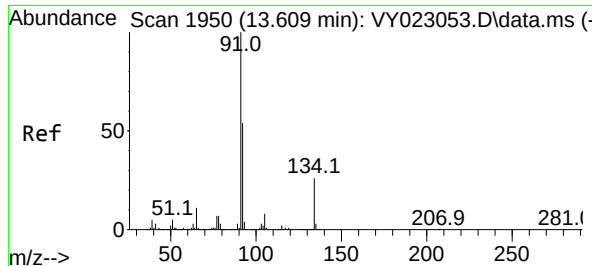
Ion Ratio Lower Upper

146 100

111 39.9 19.1 57.1

148 63.2 31.6 94.7





#89

n-Butylbenzene

Concen: 20.989 ug/l

RT: 13.614 min Scan# 1950

Delta R.T. 0.006 min

Lab File: VY023139.D

Acq: 19 Aug 2025 10:19

Instrument :

MSVOA_Y

ClientSampleId :

VY0819SBS01

Tgt Ion: 91 Resp: 427124

Ion Ratio Lower Upper

91 100

92 53.0 26.9 80.7

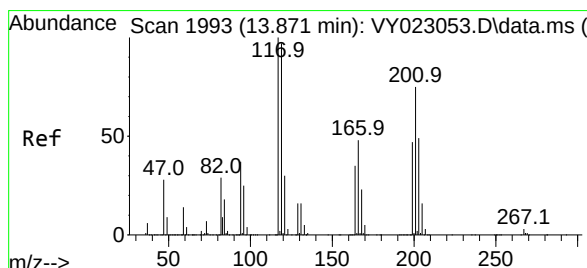
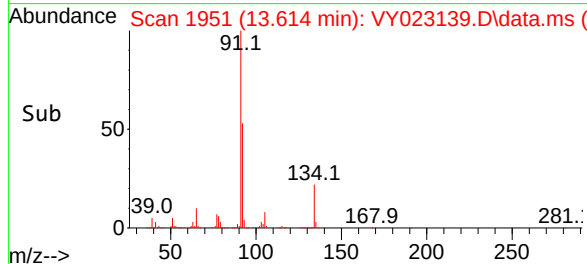
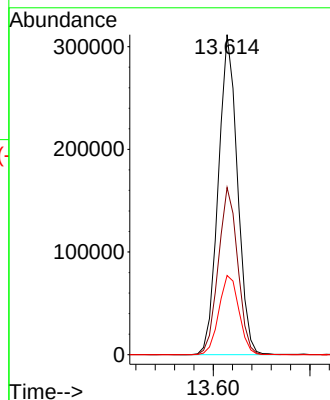
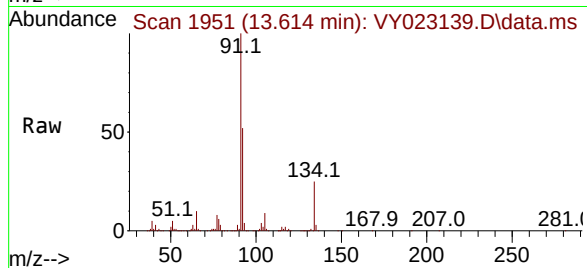
134 26.0 13.2 39.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/20/2025

Supervised By :Mahesh Dadoda 08/20/2025



#90

Hexachloroethane

Concen: 21.595 ug/l

RT: 13.876 min Scan# 1994

Delta R.T. 0.006 min

Lab File: VY023139.D

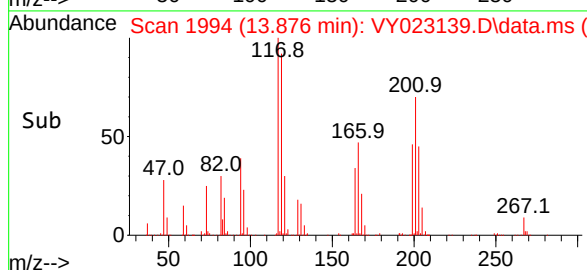
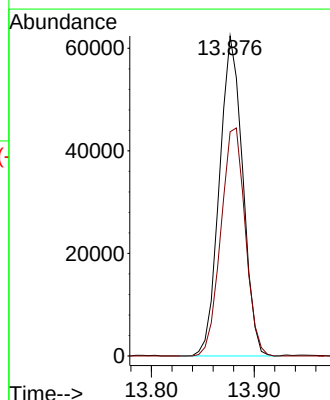
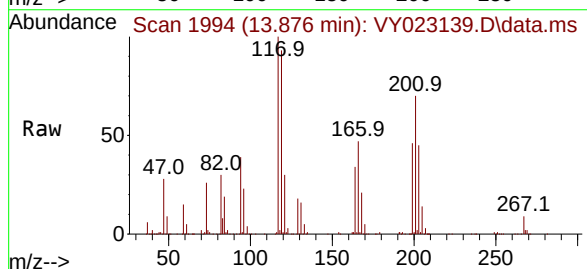
Acq: 19 Aug 2025 10:19

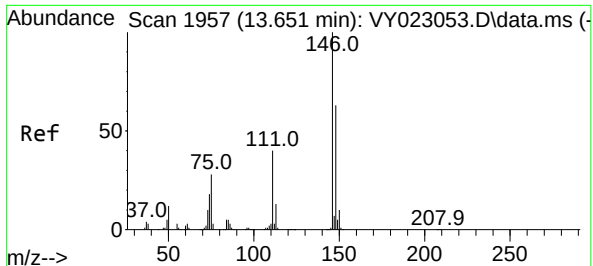
Tgt Ion:117 Resp: 97949

Ion Ratio Lower Upper

117 100

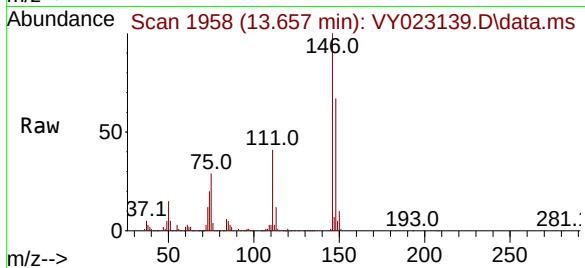
201 74.7 38.4 115.1





#91
1,2-Dichlorobenzene
Concen: 20.524 ug/l
RT: 13.657 min Scan# 1957
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

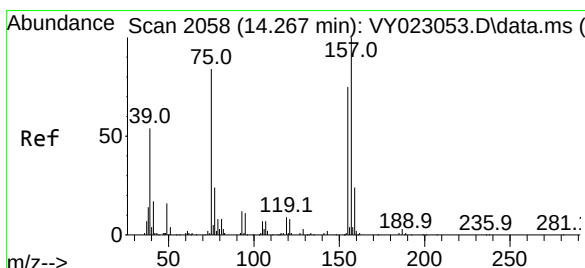
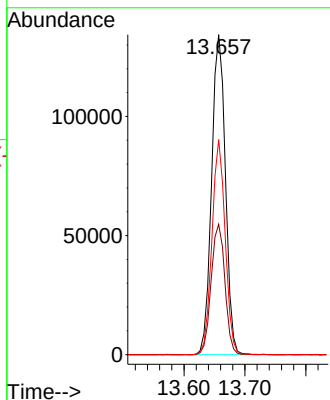
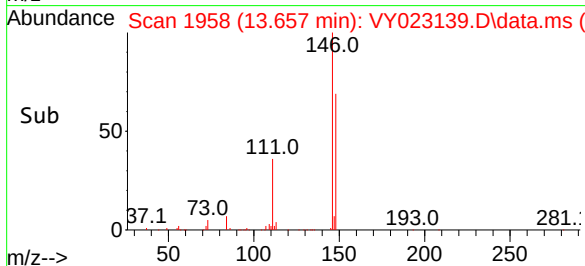
Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBS01



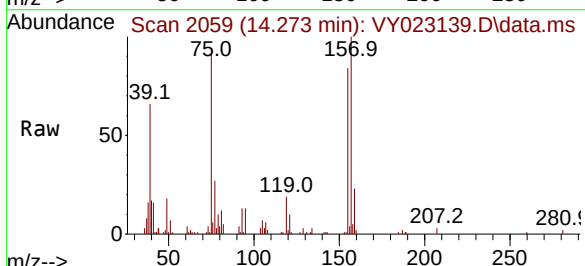
Tgt Ion:146 Resp: 210810
Ion Ratio Lower Upper
146 100
111 40.7 20.3 60.8
148 64.5 32.2 96.6

Manual Integrations
APPROVED

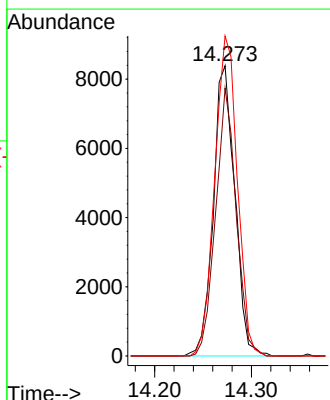
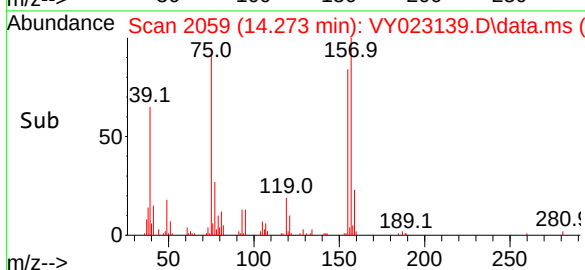
Reviewed By :John Carlone 08/20/2025
Supervised By :Mahesh Dadoda 08/20/2025

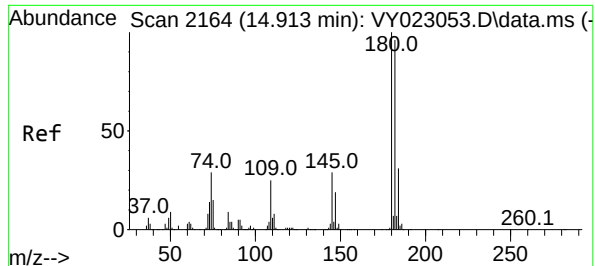


#92
1,2-Dibromo-3-Chloropropane
Concen: 19.499 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19



Tgt Ion: 75 Resp: 12905
Ion Ratio Lower Upper
75 100
155 88.5 43.9 131.6
157 116.6 57.2 171.6





#93

1,2,4-Trichlorobenzene

Concen: 20.157 ug/l

RT: 14.919 min Scan# 2164

Delta R.T. 0.006 min

Lab File: VY023139.D

Acq: 19 Aug 2025 10:19

Instrument :

MSVOA_Y

ClientSampleId :

VY0819SBS01

Tgt Ion:180 Resp: 122439

Ion Ratio Lower Upper

180 100

182 95.5 46.8 140.4

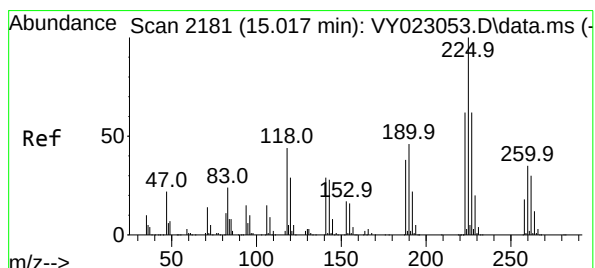
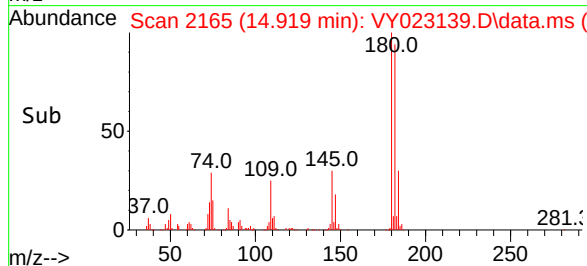
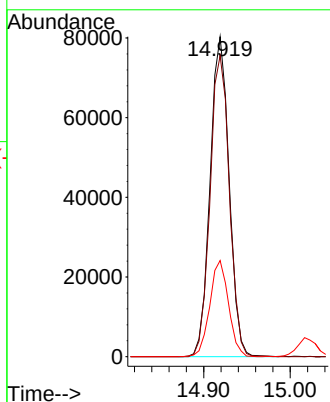
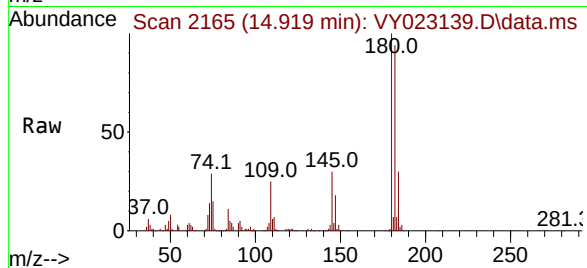
145 29.7 14.4 43.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/20/2025

Supervised By :Mahesh Dadoda 08/20/2025



#94

Hexachlorobutadiene

Concen: 21.149 ug/l

RT: 15.023 min Scan# 2182

Delta R.T. 0.006 min

Lab File: VY023139.D

Acq: 19 Aug 2025 10:19

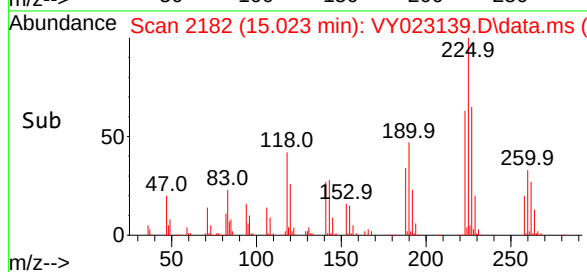
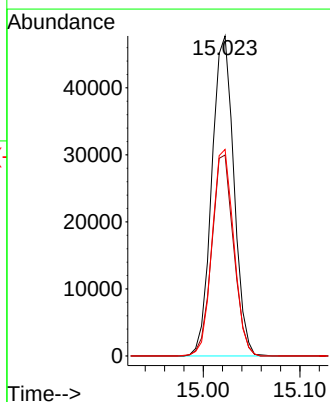
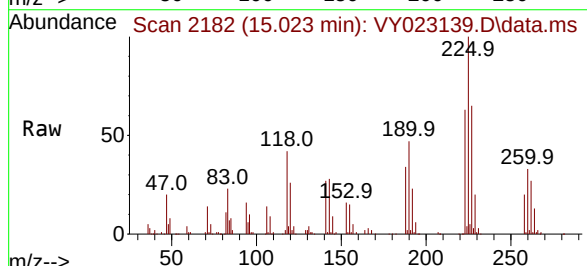
Tgt Ion:225 Resp: 75487

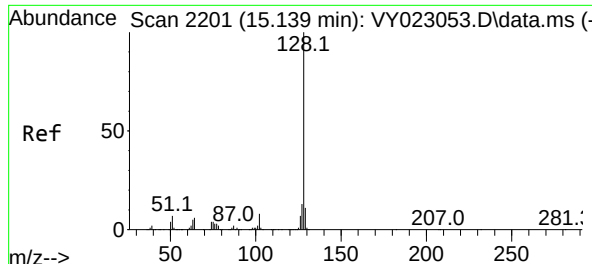
Ion Ratio Lower Upper

225 100

223 62.2 31.3 93.8

227 63.6 31.5 94.5





#95

Naphthalene

Concen: 19.124 ug/l

RT: 15.145 min Scan# 2201

Delta R.T. 0.006 min

Lab File: VY023139.D

Acq: 19 Aug 2025 10:19

Instrument :

MSVOA_Y

ClientSampleId :

VY0819SBS01

Tgt Ion:128 Resp: 198080

Ion Ratio Lower Upper

128 100

127 13.1 10.4 15.6

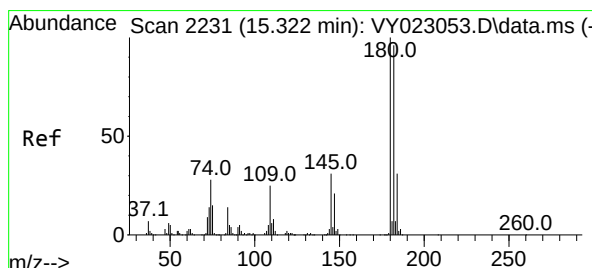
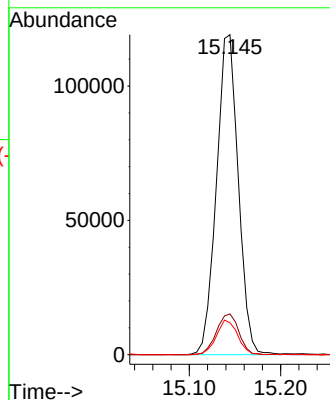
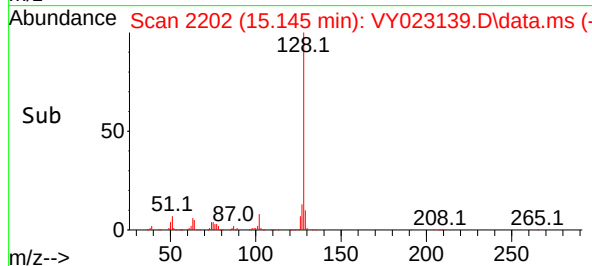
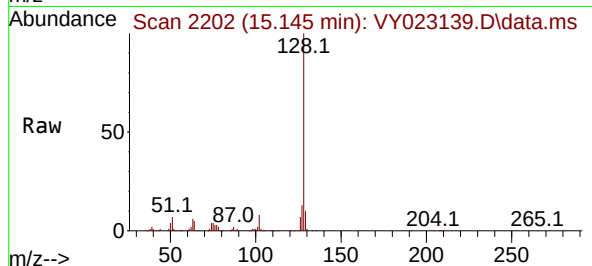
129 10.6 9.0 13.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/20/2025

Supervised By :Mahesh Dadoda 08/20/2025



#96

1,2,3-Trichlorobenzene

Concen: 20.115 ug/l

RT: 15.327 min Scan# 2232

Delta R.T. 0.006 min

Lab File: VY023139.D

Acq: 19 Aug 2025 10:19

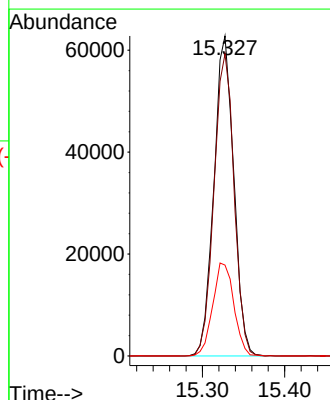
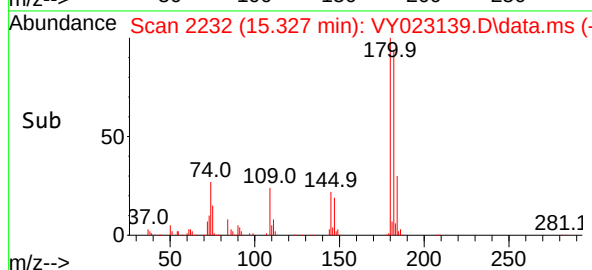
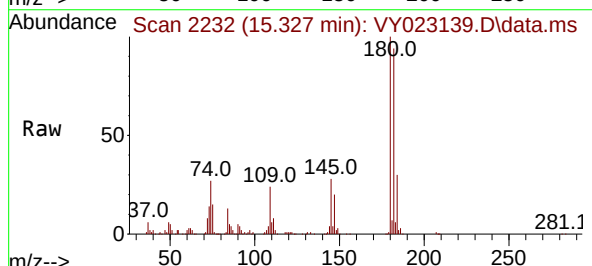
Tgt Ion:180 Resp: 105286

Ion Ratio Lower Upper

180 100

182 95.4 47.9 143.7

145 30.9 15.9 47.7



Report of Analysis

Client:	First Environment, Inc.	Date Collected:	
Project:	USACE018-44 DOD	Date Received:	
Client Sample ID:	VW0814SBSD01	SDG No.:	Q2820
Lab Sample ID:	VW0814SBSD01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5	Units:	g
Soil Aliquot Vol:			uL
GC Column:	RXI-624	ID :	0.25
Prep Method :		Level :	LOW

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032083.D	1	08/14/25 10:58	VW081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	21.3		1.10	4.00	5.00	ug/Kg
74-87-3	Chloromethane	17.8		1.10	2.50	5.00	ug/Kg
75-01-4	Vinyl Chloride	19.7		0.79	2.50	5.00	ug/Kg
74-83-9	Bromomethane	22.1		1.10	4.00	5.00	ug/Kg
75-00-3	Chloroethane	20.3		1.30	2.50	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	19.4		1.20	4.00	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	22.3		1.10	2.50	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	20.9		1.00	2.50	5.00	ug/Kg
67-64-1	Acetone	120		4.70	20.0	25.0	ug/Kg
75-15-0	Carbon Disulfide	17.3		1.10	4.00	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	17.8		0.73	2.50	5.00	ug/Kg
79-20-9	Methyl Acetate	15.8		1.50	4.00	5.00	ug/Kg
75-09-2	Methylene Chloride	17.3		3.50	8.00	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	18.4		0.86	2.50	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	18.3		0.80	2.50	5.00	ug/Kg
110-82-7	Cyclohexane	17.4		0.79	2.50	5.00	ug/Kg
78-93-3	2-Butanone	92.0		6.50	20.0	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	21.4		0.97	2.50	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	18.9		0.75	2.50	5.00	ug/Kg
74-97-5	Bromochloromethane	18.3		1.20	4.00	5.00	ug/Kg
67-66-3	Chloroform	19.2		0.84	4.00	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	19.4		0.93	2.50	5.00	ug/Kg
108-87-2	Methylcyclohexane	19.4		0.91	2.50	5.00	ug/Kg
71-43-2	Benzene	20.0		0.79	2.50	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	20.6		0.79	2.50	5.00	ug/Kg
79-01-6	Trichloroethene	20.8		0.81	2.50	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	19.5		0.91	2.50	5.00	ug/Kg
75-27-4	Bromodichloromethane	20.6		0.78	2.50	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	96.9		3.60	12.5	25.0	ug/Kg
108-88-3	Toluene	20.3		0.78	2.50	5.00	ug/Kg

Report of Analysis

Client:	First Environment, Inc.		Date Collected:	
Project:	USACE018-44 DOD		Date Received:	
Client Sample ID:	VW0814SBSD01		SDG No.:	Q2820
Lab Sample ID:	VW0814SBSD01		Matrix:	SOIL
Analytical Method:	8260D		% Solid:	100
Sample Wt/Vol:	5	Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032083.D	1	08/14/25 10:58	VW081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	19.1		0.65	2.50	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	19.4		0.62	2.50	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	20.0		0.92	2.50	5.00	ug/Kg
591-78-6	2-Hexanone	97.4		3.70	12.5	25.0	ug/Kg
124-48-1	Dibromochloromethane	20.9		0.87	2.50	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	20.0		0.88	2.50	5.00	ug/Kg
127-18-4	Tetrachloroethene	22.1		1.10	2.50	5.00	ug/Kg
108-90-7	Chlorobenzene	20.9		0.91	2.50	5.00	ug/Kg
100-41-4	Ethyl Benzene	20.3		0.67	2.50	5.00	ug/Kg
179601-23-1	m/p-Xylenes	42.6		1.20	5.00	10.0	ug/Kg
95-47-6	o-Xylene	21.2		0.82	2.50	5.00	ug/Kg
100-42-5	Styrene	20.5		0.71	2.50	5.00	ug/Kg
75-25-2	Bromoform	21.5		0.86	2.50	5.00	ug/Kg
98-82-8	Isopropylbenzene	19.2		0.78	2.50	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	19.0		1.20	2.50	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	21.2		1.70	2.50	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	20.1		1.60	2.50	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	20.3		1.50	2.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	17.3		1.80	4.00	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	20.7		3.00	4.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	20.6		3.20	4.00	5.00	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	46.8		71 - 136		94%	SPK: 50
1868-53-7	Dibromofluoromethane	50.5		78 - 119		101%	SPK: 50
2037-26-5	Toluene-d8	50.1		85 - 116		100%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.6		79 - 119		99%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	218000	7.959				
540-36-3	1,4-Difluorobenzene	380000	8.849				
3114-55-4	Chlorobenzene-d5	343000	11.629				
3855-82-1	1,4-Dichlorobenzene-d4	178000	13.55				

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	
Project:	USACE018-44 DOD	Date Received:	
Client Sample ID:	VW0814SBSD01	SDG No.:	Q2820
Lab Sample ID:	VW0814SBSD01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5	Units:	g
Soil Aliquot Vol:			uL
GC Column:	RXI-624	ID :	0.25
Prep Method :		Level :	LOW

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032083.D	1	08/14/25 10:58	VW081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
------------	-----------	-------	-----------	-----	-----	------------	-------

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
 Data File : VW032083.D
 Acq On : 14 Aug 2025 10:58
 Operator : SY/MD
 Sample : VW0814SBS01
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0814SBS01

Quant Time: Aug 18 03:48:20 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 12 04:04:48 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 08/19/2025
 Supervised By :Mahesh Dadoda 08/19/2025

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

Internal Standards						
1) Pentafluorobenzene	7.959	168	218109	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	379951	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	343089	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.550	152	177605	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.319	65	147653	46.808	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	93.620%
35) Dibromofluoromethane	7.898	113	124076	50.548	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	101.100%
50) Toluene-d8	10.325	98	454977	50.113	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	100.220%
62) 4-Bromofluorobenzene	12.617	95	166018	49.621	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	99.240%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.040	85	33288	21.339	ug/l	95
3) Chloromethane	2.253	50	37450	17.822	ug/l	98
4) Vinyl Chloride	2.399	62	50061	19.695	ug/l	96
5) Bromomethane	2.814	94	42218	22.140	ug/l	94
6) Chloroethane	2.966	64	34212	20.341	ug/l	100
7) Trichlorofluoromethane	3.301	101	39414	19.357	ug/l	97
8) Diethyl Ether	3.716	74	31376	18.808	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.094	101	53669	22.341	ug/l	98
10) Methyl Iodide	4.307	142	67253	19.745	ug/l	98
11) Tert butyl alcohol	5.216	59	16282	79.711	ug/l	95
12) 1,1-Dichloroethene	4.076	96	55246	20.886	ug/l	94
13) Acrolein	3.929	56	22386	68.782	ug/l	99
14) Allyl chloride	4.698	41	64273	16.695	ug/l	88
15) Acrylonitrile	5.399	53	65441	82.359	ug/l	98
16) Acetone	4.155	43	86139	117.944	ug/l	98
17) Carbon Disulfide	4.423	76	123061	17.333	ug/l	98
18) Methyl Acetate	4.704	43	36534	15.808	ug/l	99
19) Methyl tert-butyl Ether	5.460	73	82841	17.775	ug/l	96
20) Methylene Chloride	4.948	84	58381	17.289	ug/l	97
21) trans-1,2-Dichloroethene	5.454	96	51769	18.442	ug/l	95
22) Diisopropyl ether	6.338	45	141639	17.452	ug/l	92
23) Vinyl Acetate	6.277	43	481360	90.338	ug/l	99
24) 1,1-Dichloroethane	6.240	63	94906	18.303	ug/l	98
25) 2-Butanone	7.191	43	95473	91.978	ug/l	95
26) 2,2-Dichloropropane	7.185	77	49013	18.841	ug/l	99
27) cis-1,2-Dichloroethene	7.185	96	61895	18.864	ug/l	94
28) Bromochloromethane	7.526	49	43111	18.270	ug/l	97
29) Tetrahydrofuran	7.551	42	56439	82.447	ug/l	99
30) Chloroform	7.691	83	105761	19.239	ug/l	97
31) Cyclohexane	7.965	56	78359	17.431	ug/l	92
32) 1,1,1-Trichloroethane	7.886	97	77562	19.425	ug/l	98
36) 1,1-Dichloropropene	8.093	75	69861	20.189	ug/l	99
37) Ethyl Acetate	7.276	43	39212	19.240	ug/l	97
38) Carbon Tetrachloride	8.075	117	71526	21.419	ug/l	97
39) Methylcyclohexane	9.343	83	81832	19.402	ug/l	98
40) Benzene	8.337	78	214937	19.983	ug/l	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
 Data File : VW032083.D
 Acq On : 14 Aug 2025 10:58
 Operator : SY/MD
 Sample : VW0814SBS01
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0814SBS01

Quant Time: Aug 18 03:48:20 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 12 04:04:48 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 08/19/2025
 Supervised By :Mahesh Dadoda 08/19/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.502	41	21151	18.301	ug/l #	93
42) 1,2-Dichloroethane	8.410	62	70737	20.552	ug/l	100
43) Isopropyl Acetate	8.435	43	69002	18.403	ug/l	99
44) Trichloroethene	9.099	130	53394	20.845	ug/l	99
45) 1,2-Dichloropropane	9.374	63	50638	19.487	ug/l	100
46) Dibromomethane	9.465	93	34565	20.610	ug/l	99
47) Bromodichloromethane	9.648	83	79691	20.621	ug/l	100
48) Methyl methacrylate	9.441	41	32521	17.966	ug/l #	92
49) 1,4-Dioxane	9.459	88	8402	387.463	ug/l #	83
51) 4-Methyl-2-Pentanone	10.215	43	205106	96.913	ug/l	95
52) Toluene	10.386	92	137378	20.277	ug/l	98
53) t-1,3-Dichloropropene	10.605	75	69323	19.147	ug/l	98
54) cis-1,3-Dichloropropene	10.075	75	79480	19.350	ug/l	92
55) 1,1,2-Trichloroethane	10.788	97	44575	20.001	ug/l	93
56) Ethyl methacrylate	10.648	69	53600	17.973	ug/l #	92
57) 1,3-Dichloropropane	10.934	76	73958	19.038	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.928	63	147647	89.504	ug/l	99
59) 2-Hexanone	10.971	43	142726	97.375	ug/l	96
60) Dibromochloromethane	11.129	129	53091	20.855	ug/l	99
61) 1,2-Dibromoethane	11.233	107	43311	19.998	ug/l	98
64) Tetrachloroethene	10.861	164	43709	22.056	ug/l	97
65) Chlorobenzene	11.654	112	155926	20.880	ug/l	92
66) 1,1,1,2-Tetrachloroethane	11.727	131	49815	21.380	ug/l	97
67) Ethyl Benzene	11.727	91	256167	20.251	ug/l	93
68) m/p-Xylenes	11.837	106	207846	42.582	ug/l	97
69) o-Xylene	12.160	106	95460	21.160	ug/l	93
70) Styrene	12.178	104	163976	20.463	ug/l	99
71) Bromoform	12.349	173	28712	21.543	ug/l #	100
73) Isopropylbenzene	12.458	105	238599	19.223	ug/l	99
74) N-amyl acetate	12.269	43	63466	17.822	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.714	83	55872	18.959	ug/l	98
76) 1,2,3-Trichloropropane	12.763	75	46559m	19.315	ug/l	
77) Bromobenzene	12.745	156	60209	20.310	ug/l	89
78) n-propylbenzene	12.800	91	302042	19.766	ug/l	99
79) 2-Chlorotoluene	12.885	91	177356	18.805	ug/l	98
80) 1,3,5-Trimethylbenzene	12.940	105	205070	19.461	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.507	75	14854	15.953	ug/l	88
82) 4-Chlorotoluene	12.983	91	187599	18.722	ug/l	96
83) tert-Butylbenzene	13.202	119	170175	19.459	ug/l	98
84) 1,2,4-Trimethylbenzene	13.245	105	212657	19.825	ug/l	99
85) sec-Butylbenzene	13.379	105	258452	19.547	ug/l	98
86) p-Isopropyltoluene	13.495	119	220215	19.978	ug/l	98
87) 1,3-Dichlorobenzene	13.495	146	125068	21.202	ug/l	97
88) 1,4-Dichlorobenzene	13.574	146	119783	20.094	ug/l	99
89) n-Butylbenzene	13.818	91	207148	19.344	ug/l	99
90) Hexachloroethane	14.086	117	39591	19.640	ug/l	99
91) 1,2-Dichlorobenzene	13.867	146	108294	20.266	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.476	75	9069	17.310	ug/l	94
93) 1,2,4-Trichlorobenzene	15.129	180	66171	20.701	ug/l	94
94) Hexachlorobutadiene	15.226	225	30219	21.148	ug/l	96
95) Naphthalene	15.360	128	146617	18.719	ug/l	99
96) 1,2,3-Trichlorobenzene	15.549	180	59840	20.574	ug/l	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
Data File : VW032083.D
Acq On : 14 Aug 2025 10:58
Operator : SY/MD
Sample : VW0814SBSD01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0814SBSD01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025

Quant Time: Aug 18 03:48:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 12 04:04:48 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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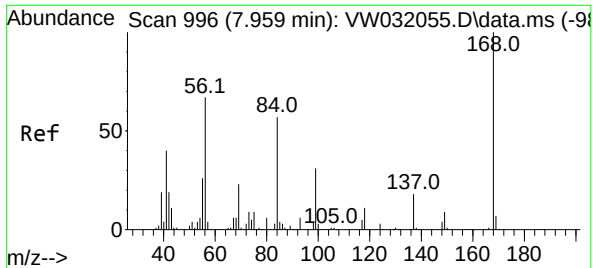
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Instrument :
MSVOA_W
ClientSampleId :
VW0814SBSD01

Manual Integrations APPROVED

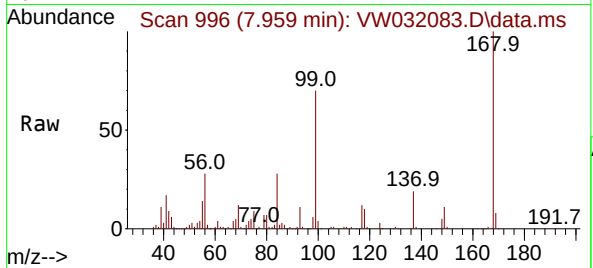
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 996
Delta R.T. 0.000 min
Lab File: VW032083.D
Acq: 14 Aug 2025 10:58

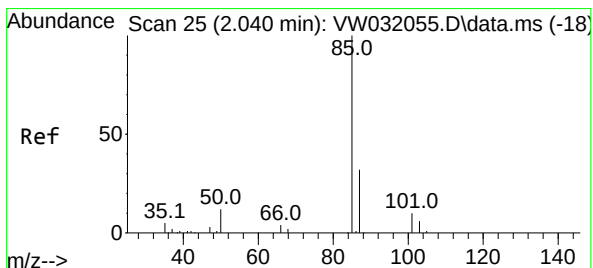
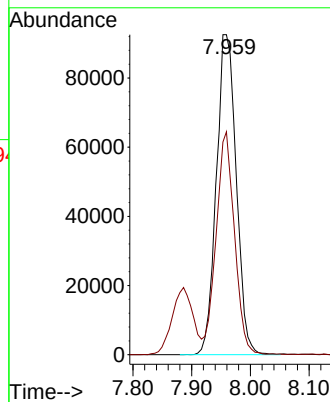
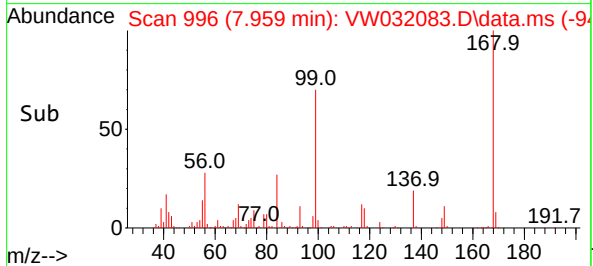
Instrument :
MSVOA_W
ClientSampleId :
VW0814SBS01



Tgt Ion:168 Resp: 218109
Ion Ratio Lower Upper
168 100
99 69.4 56.0 84.0

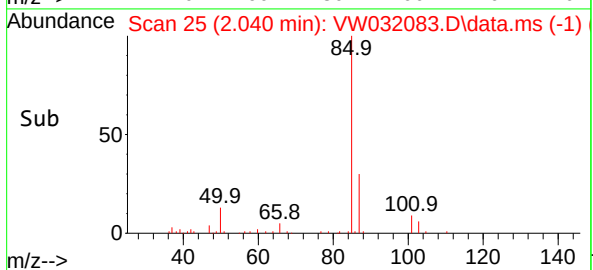
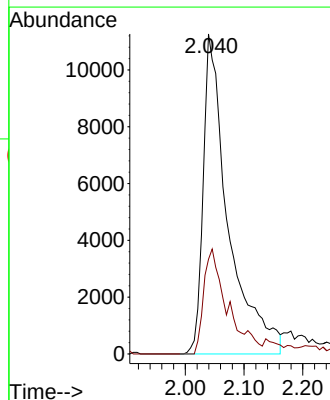
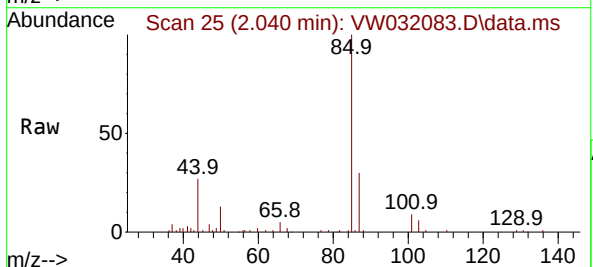
Manual Integrations
APPROVED

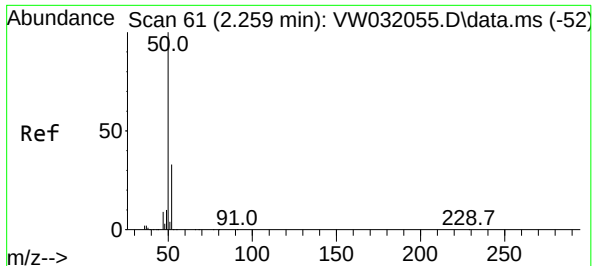
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025



#2
Dichlorodifluoromethane
Concen: 21.339 ug/l
RT: 2.040 min Scan# 25
Delta R.T. -0.000 min
Lab File: VW032083.D
Acq: 14 Aug 2025 10:58

Tgt Ion: 85 Resp: 33288
Ion Ratio Lower Upper
85 100
87 29.6 16.2 48.6





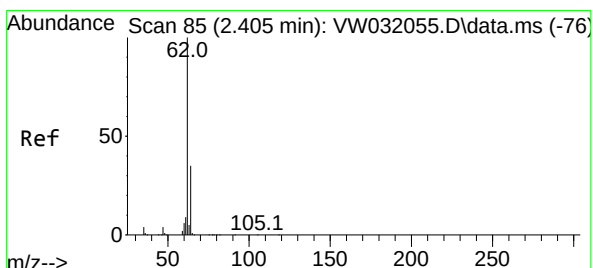
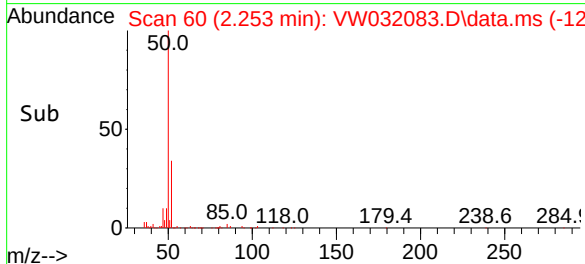
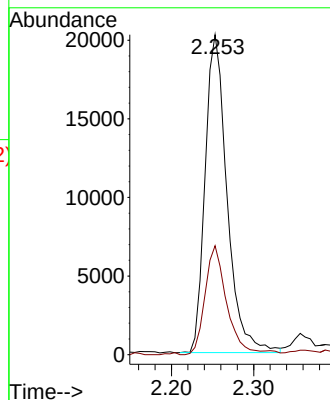
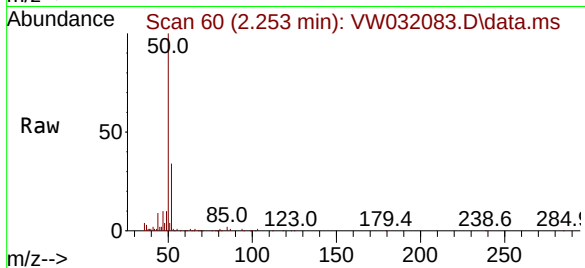
#3
Chloromethane
Concen: 17.822 ug/l
RT: 2.253 min Scan# 60
Delta R.T. -0.006 min
Lab File: VW032083.D
Acq: 14 Aug 2025 10:58

Instrument :
MSVOA_W
ClientSampleId :
VW0814SBS01

Tgt Ion: 50 Resp: 37450
Ion Ratio Lower Upper
50 100
52 34.3 26.6 39.8

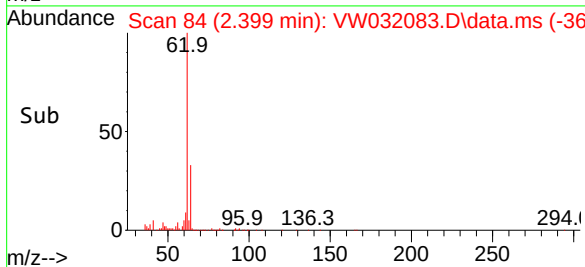
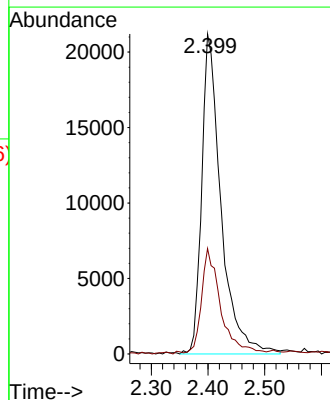
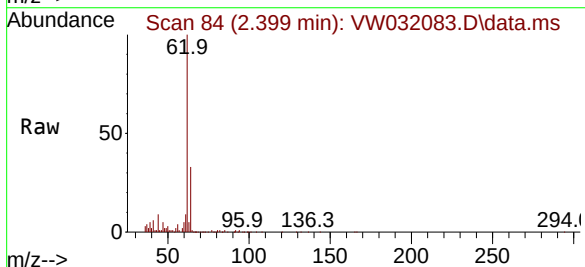
Manual Integrations
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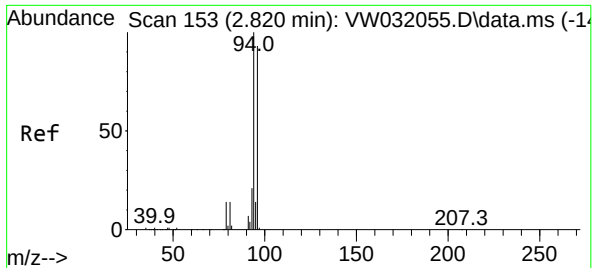
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025



#4
Vinyl Chloride
Concen: 19.695 ug/l
RT: 2.399 min Scan# 84
Delta R.T. -0.006 min
Lab File: VW032083.D
Acq: 14 Aug 2025 10:58

Tgt Ion: 62 Resp: 50061
Ion Ratio Lower Upper
62 100
64 32.3 27.8 41.6





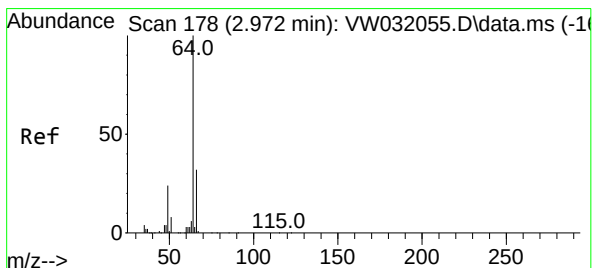
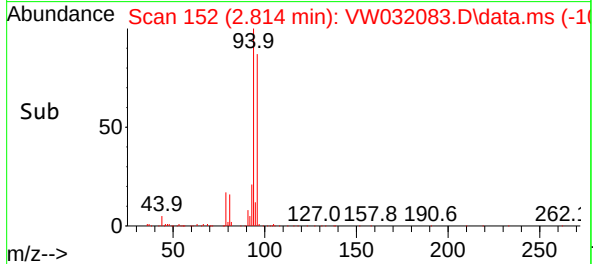
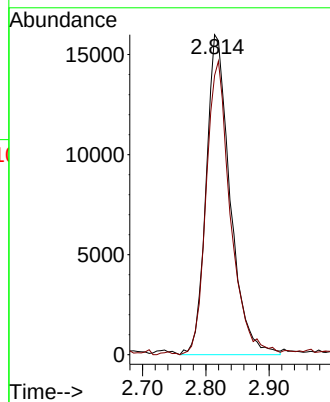
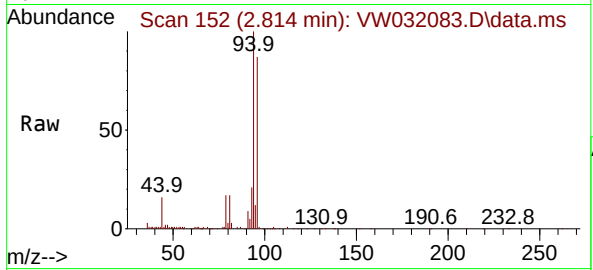
#5
Bromomethane
Concen: 22.140 ug/l
RT: 2.814 min Scan# 152
Delta R.T. -0.006 min
Lab File: VW032083.D
Acq: 14 Aug 2025 10:58

Instrument :
MSVOA_W
ClientSampleId :
VW0814SBSD01

Tgt Ion: 94 Resp: 42218
Ion Ratio Lower Upper
94 100
96 87.3 74.7 112.1

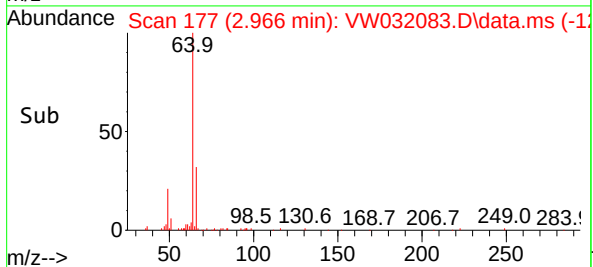
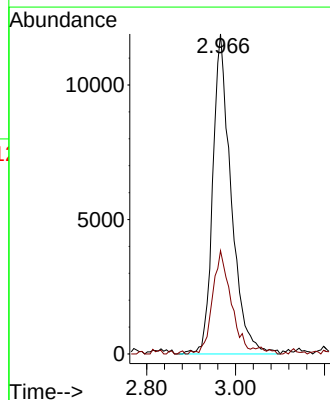
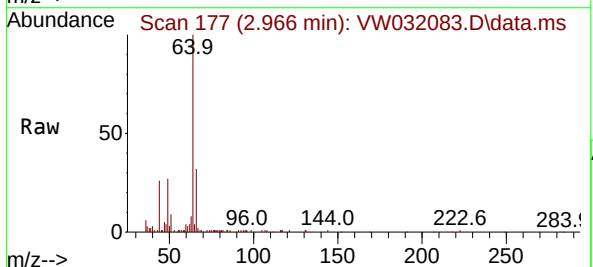
Manual Integrations
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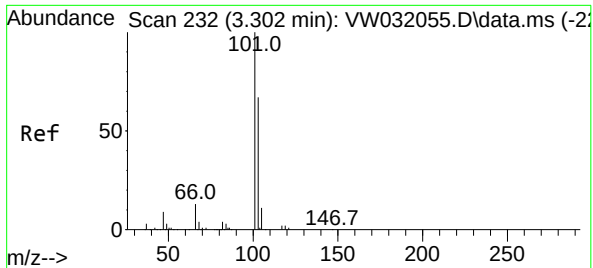
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025



#6
Chloroethane
Concen: 20.341 ug/l
RT: 2.966 min Scan# 177
Delta R.T. -0.006 min
Lab File: VW032083.D
Acq: 14 Aug 2025 10:58

Tgt Ion: 64 Resp: 34212
Ion Ratio Lower Upper
64 100
66 32.2 26.0 39.0





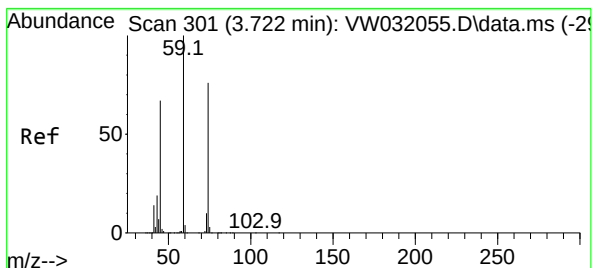
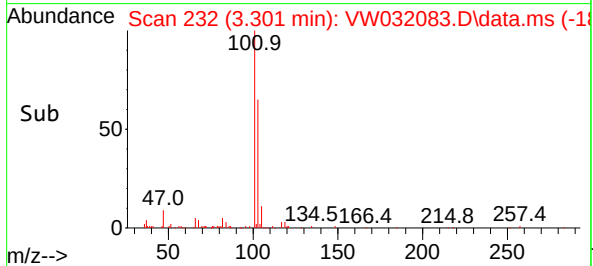
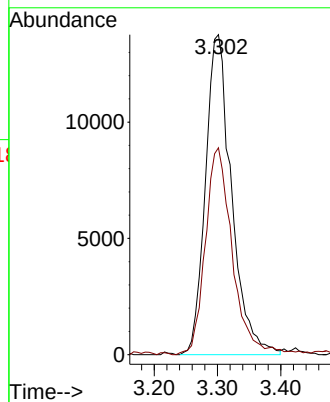
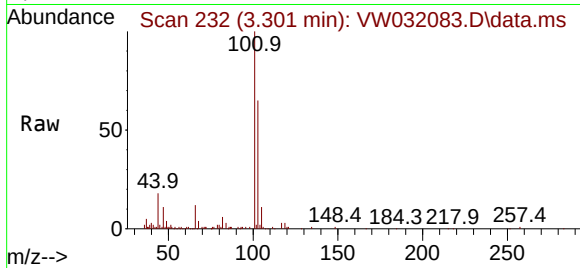
#7
Trichlorofluoromethane
Concen: 19.357 ug/l
RT: 3.301 min Scan# 21
Delta R.T. -0.000 min
Lab File: VW032083.D
Acq: 14 Aug 2025 10:58

Instrument :
MSVOA_W
ClientSampleId :
VW0814SBS01

Tgt Ion:101 Resp: 39414
Ion Ratio Lower Upper
101 100
103 64.0 53.4 80.0

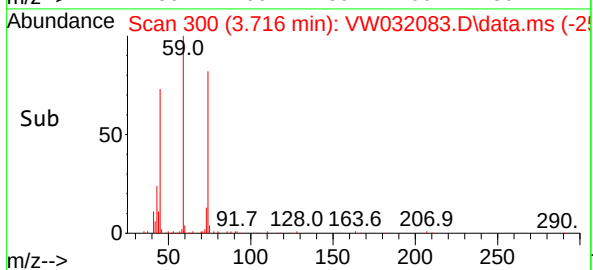
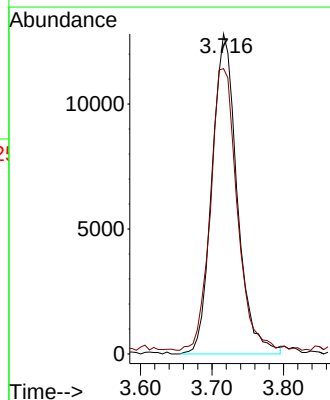
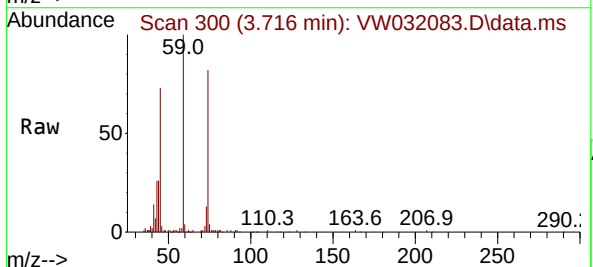
Manual Integrations
APPROVED

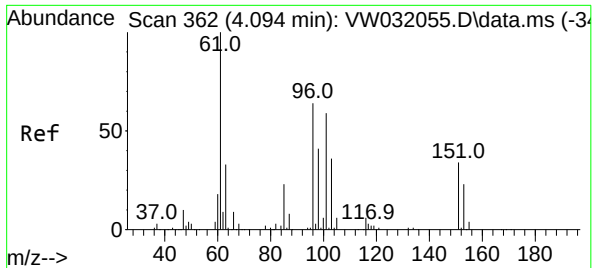
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025



#8
Diethyl Ether
Concen: 18.808 ug/l
RT: 3.716 min Scan# 300
Delta R.T. -0.006 min
Lab File: VW032083.D
Acq: 14 Aug 2025 10:58

Tgt Ion: 74 Resp: 31376
Ion Ratio Lower Upper
74 100
45 93.2 45.4 136.2





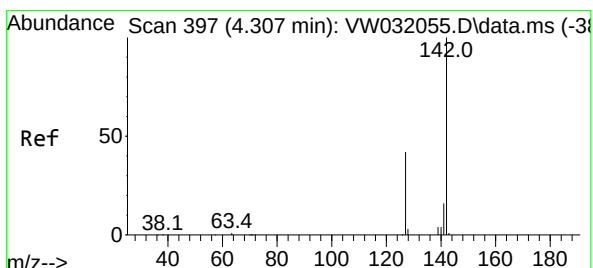
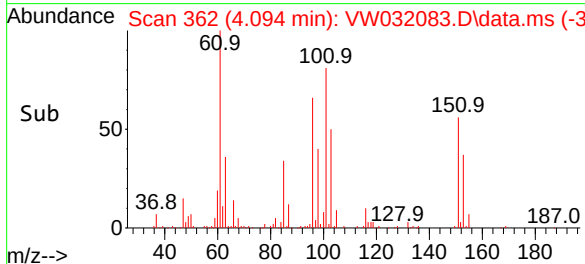
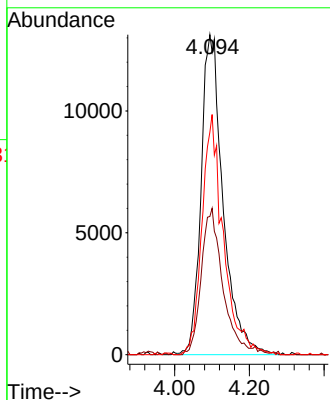
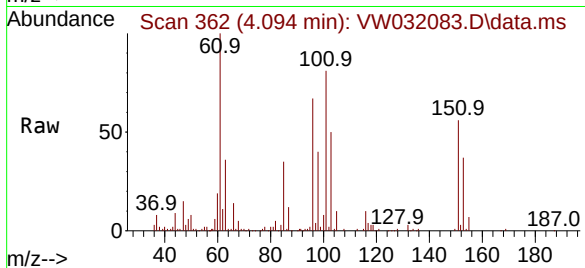
#9
1,1,2-Trichlorotrifluoroethane
Concen: 22.341 ug/l
RT: 4.094 min Scan# 362
Delta R.T. -0.000 min
Lab File: VW032083.D
Acq: 14 Aug 2025 10:58

Instrument :
MSVOA_W
ClientSampleId :
VW0814SBS01

Tgt Ion:101 Resp: 5366
Ion Ratio Lower Upper
101 100
85 44.5 34.9 52.3
151 72.8 56.2 84.4

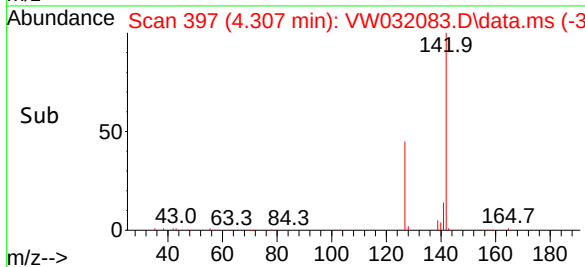
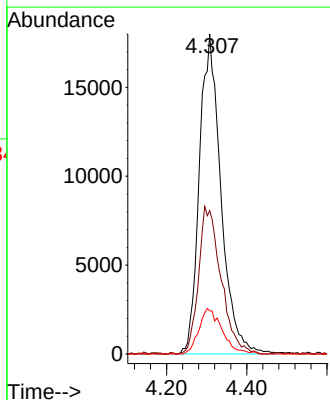
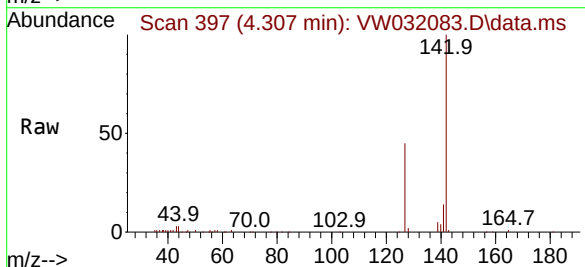
Manual Integrations
APPROVED

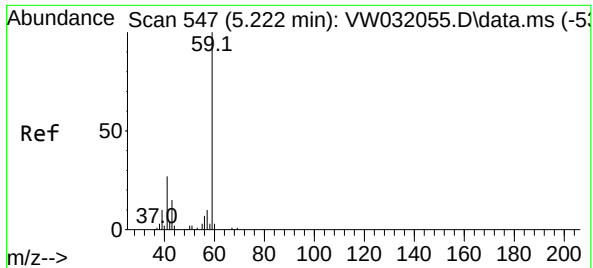
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025



#10
Methyl Iodide
Concen: 19.745 ug/l
RT: 4.307 min Scan# 397
Delta R.T. -0.000 min
Lab File: VW032083.D
Acq: 14 Aug 2025 10:58

Tgt Ion:142 Resp: 67253
Ion Ratio Lower Upper
142 100
127 47.8 36.6 55.0
141 15.1 12.1 18.1





#11

Tert butyl alcohol

Concen: 79.711 ug/l

RT: 5.216 min Scan# 54

Delta R.T. -0.006 min

Lab File: VW032083.D

Acq: 14 Aug 2025 10:58

Instrument :

MSVOA_W

ClientSampleId :

VW0814SBS01

Tgt Ion: 59 Resp: 1628

Ion Ratio Lower Upper

59 100

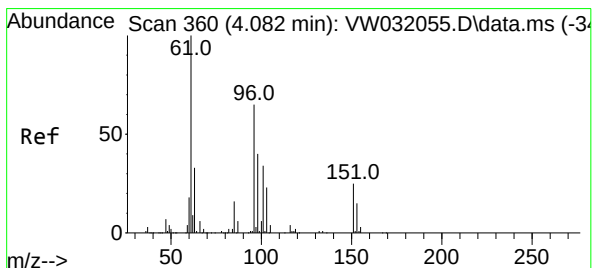
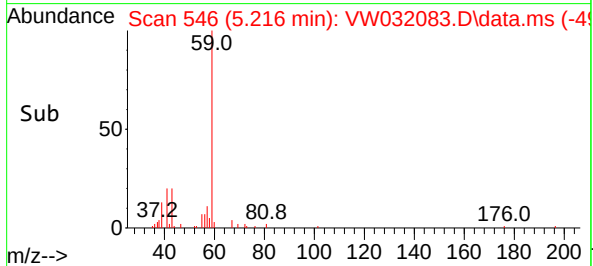
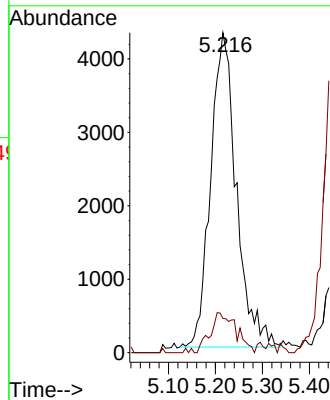
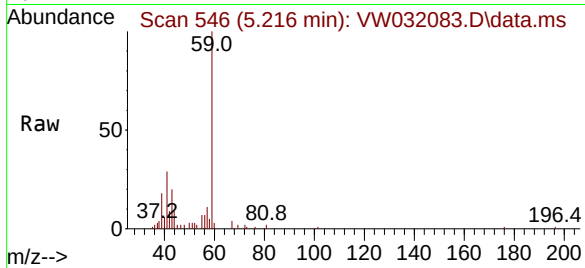
57 12.8 8.7 13.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/19/2025

Supervised By :Mahesh Dadoda 08/19/2025



#12

1,1-Dichloroethene

Concen: 20.886 ug/l

RT: 4.076 min Scan# 359

Delta R.T. -0.006 min

Lab File: VW032083.D

Acq: 14 Aug 2025 10:58

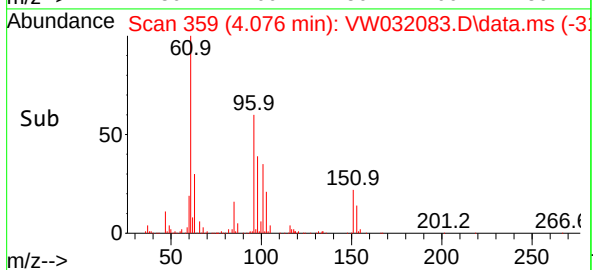
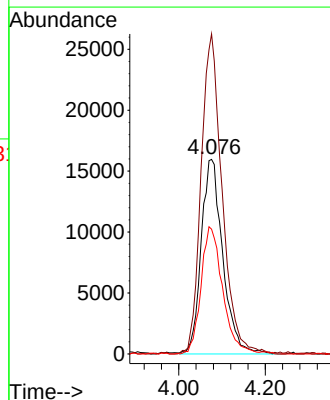
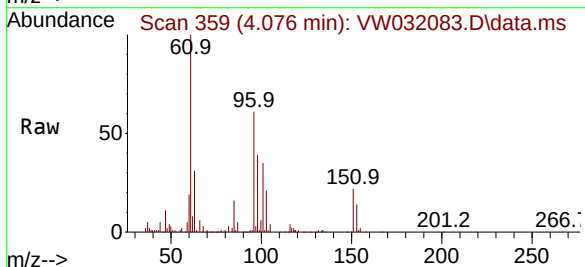
Tgt Ion: 96 Resp: 55246

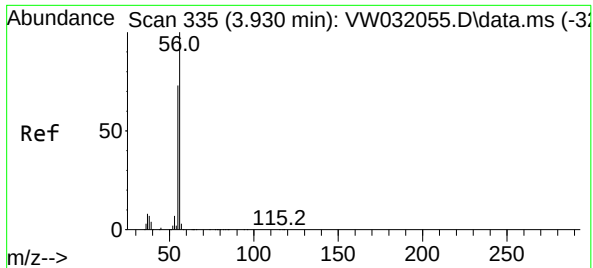
Ion Ratio Lower Upper

96 100

61 163.8 123.4 185.2

98 64.1 49.5 74.3





#13

Acrolein

Concen: 68.782 ug/l

RT: 3.929 min Scan# 31

Delta R.T. -0.000 min

Lab File: VW032083.D

Acq: 14 Aug 2025 10:58

Instrument :

MSVOA_W

ClientSampleId :

VW0814SBSD01

Tgt Ion: 56 Resp: 2238

Ion Ratio Lower Upper

56 100

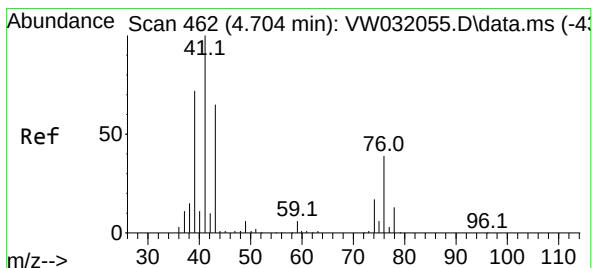
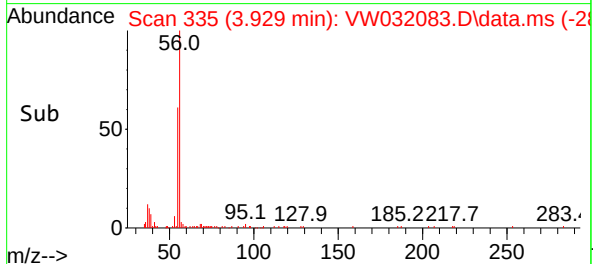
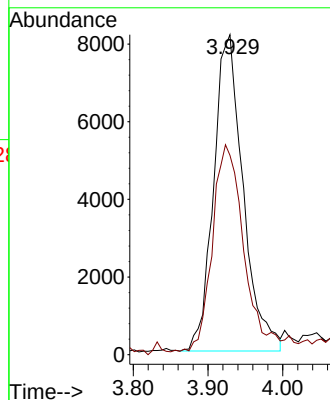
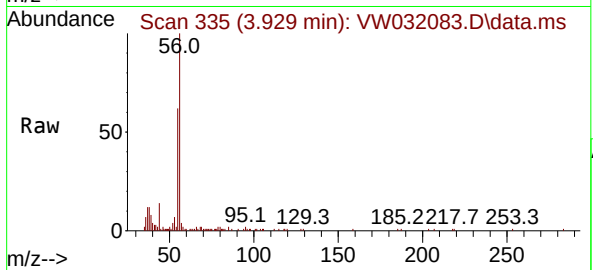
55 70.0 55.4 83.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/19/2025

Supervised By :Mahesh Dadoda 08/19/2025



#14

Allyl chloride

Concen: 16.695 ug/l

RT: 4.698 min Scan# 461

Delta R.T. -0.006 min

Lab File: VW032083.D

Acq: 14 Aug 2025 10:58

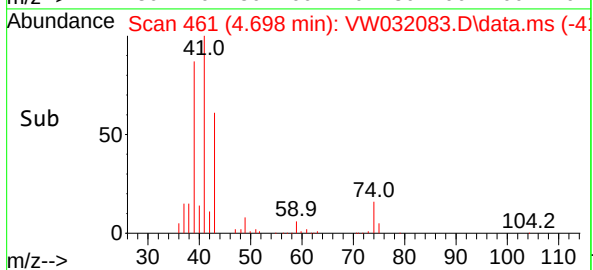
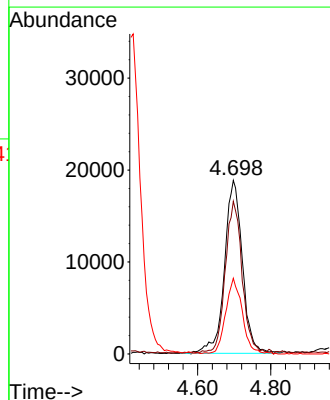
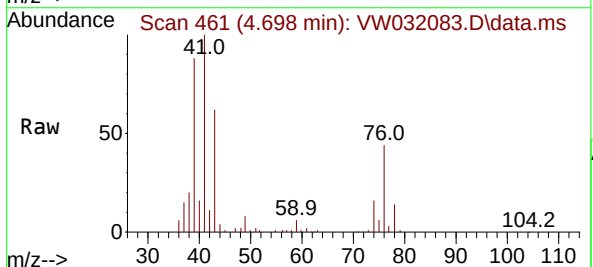
Tgt Ion: 41 Resp: 64273

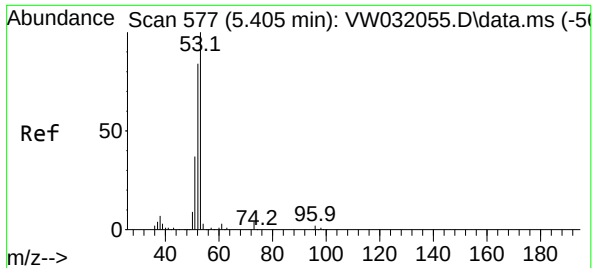
Ion Ratio Lower Upper

41 100

39 81.2 54.5 81.7

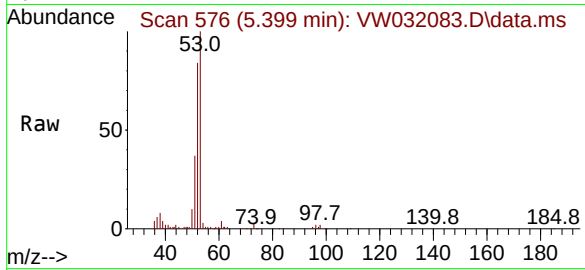
76 39.4 29.3 43.9





#15
Acrylonitrile
Concen: 82.359 ug/l
RT: 5.399 min Scan# 51
Delta R.T. -0.006 min
Lab File: VW032083.D
Acq: 14 Aug 2025 10:58

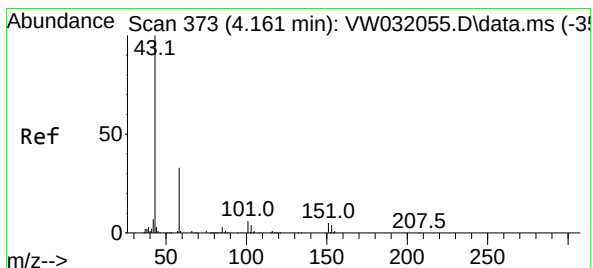
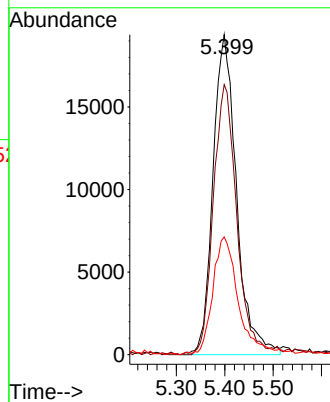
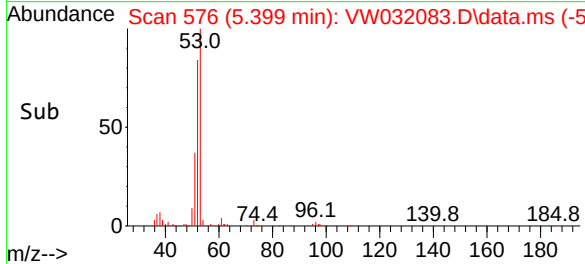
Instrument :
MSVOA_W
ClientSampleId :
VW0814SBS01



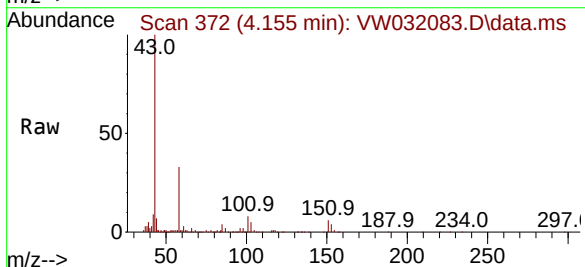
Tgt Ion: 53 Resp: 6544
Ion Ratio Lower Upper
53 100
52 83.4 66.1 99.1
51 38.8 29.2 43.8

Manual Integrations
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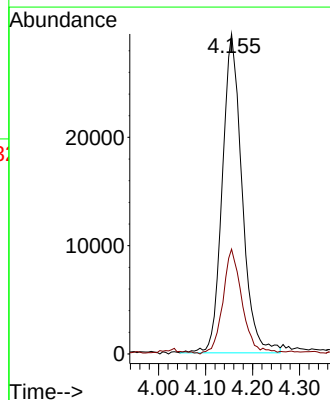
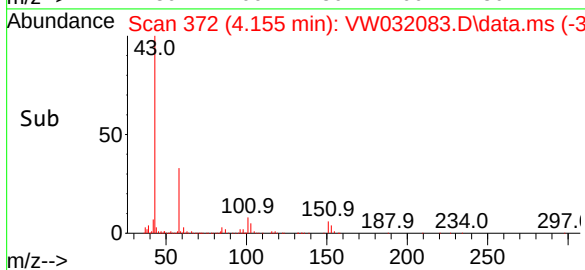
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025

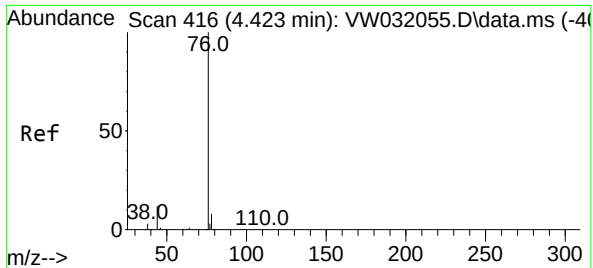


#16
Acetone
Concen: 117.944 ug/l
RT: 4.155 min Scan# 372
Delta R.T. -0.006 min
Lab File: VW032083.D
Acq: 14 Aug 2025 10:58



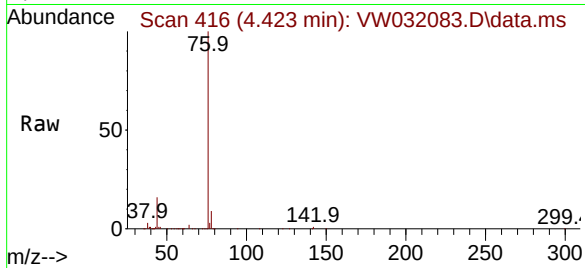
Tgt Ion: 43 Resp: 86139
Ion Ratio Lower Upper
43 100
58 32.0 26.6 39.8





#17
Carbon Disulfide
Concen: 17.333 ug/l
RT: 4.423 min Scan# 416
Delta R.T. -0.000 min
Lab File: VW032083.D
Acq: 14 Aug 2025 10:58

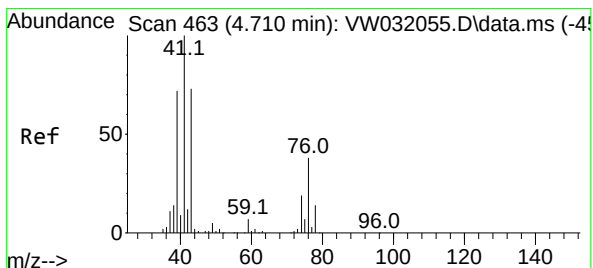
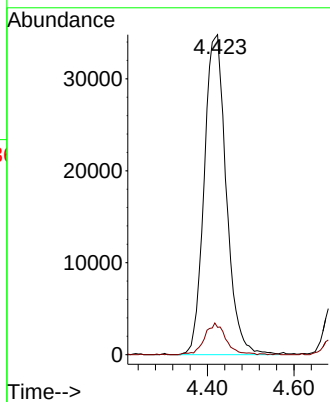
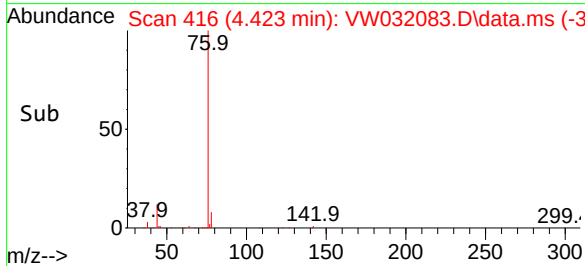
Instrument :
MSVOA_W
ClientSampleId :
VW0814SBS01



Tgt Ion: 76 Resp: 12306
Ion Ratio Lower Upper
76 100
78 8.6 6.4 9.6

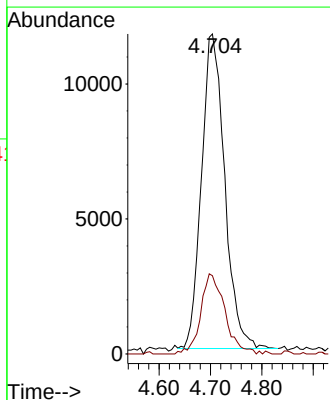
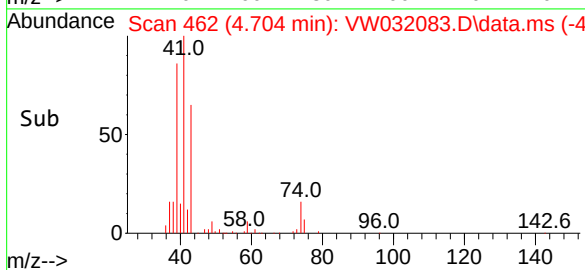
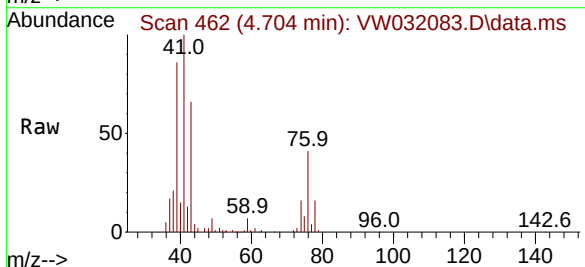
Manual Integrations
APPROVED

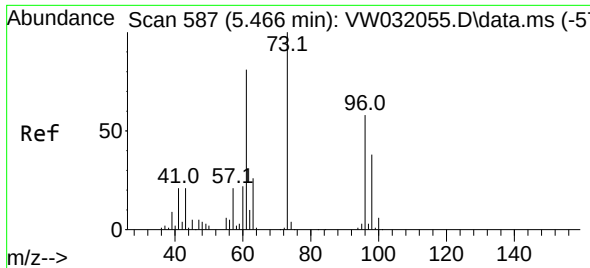
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025



#18
Methyl Acetate
Concen: 15.808 ug/l
RT: 4.704 min Scan# 462
Delta R.T. -0.006 min
Lab File: VW032083.D
Acq: 14 Aug 2025 10:58

Tgt Ion: 43 Resp: 36534
Ion Ratio Lower Upper
43 100
74 26.5 20.6 31.0





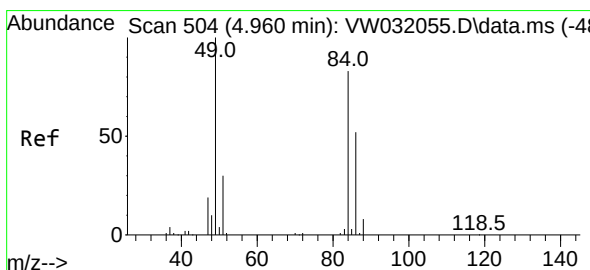
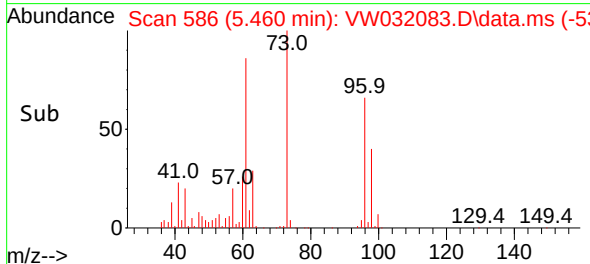
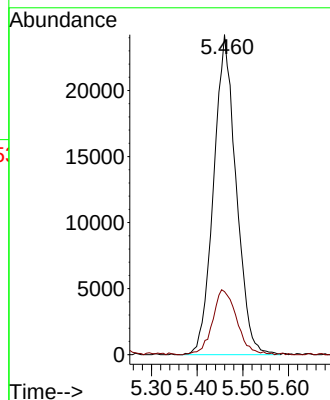
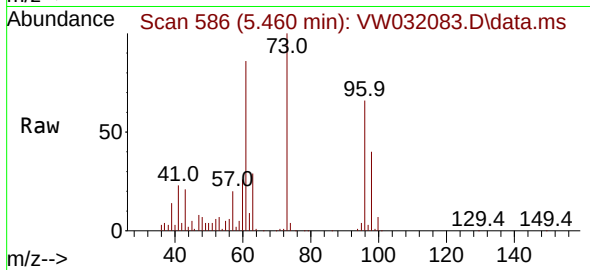
#19
Methyl tert-butyl Ether
Concen: 17.775 ug/l
RT: 5.460 min Scan# 51
Delta R.T. -0.006 min
Lab File: VW032083.D
Acq: 14 Aug 2025 10:58

Instrument :
MSVOA_W
ClientSampleId :
VW0814SBS01

Tgt Ion: 73 Resp: 8284
Ion Ratio Lower Upper
73 100
57 19.7 17.2 25.8

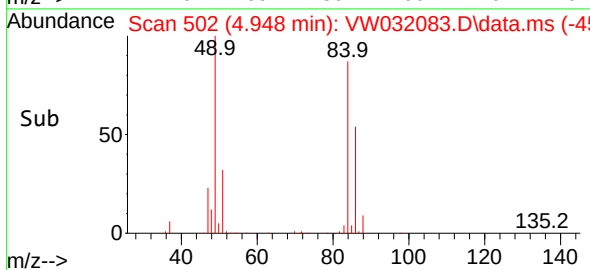
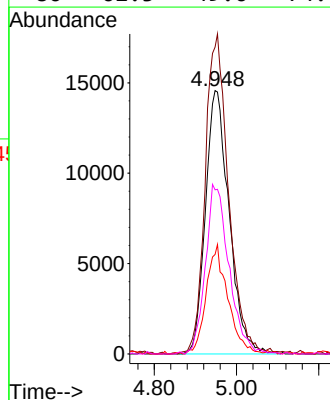
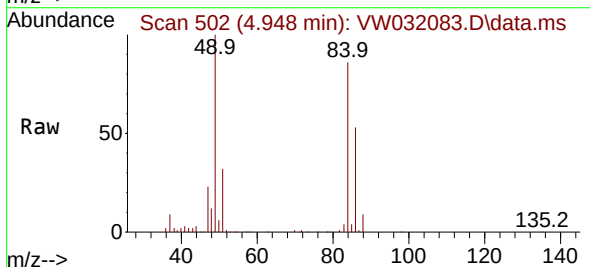
Manual Integrations
APPROVED

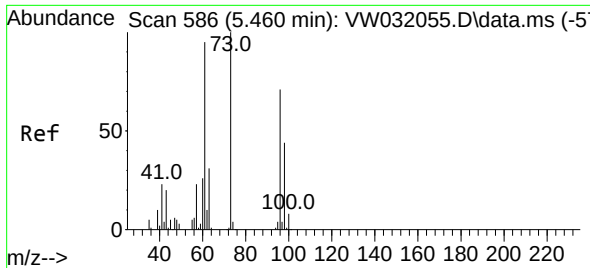
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025



#20
Methylene Chloride
Concen: 17.289 ug/l
RT: 4.948 min Scan# 502
Delta R.T. -0.012 min
Lab File: VW032083.D
Acq: 14 Aug 2025 10:58

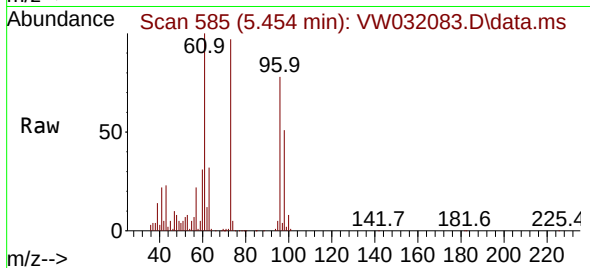
Tgt Ion: 84 Resp: 58381
Ion Ratio Lower Upper
84 100
49 116.0 95.9 143.9
51 37.4 28.6 43.0
86 62.3 49.6 74.4





#21
trans-1,2-Dichloroethene
Concen: 18.442 ug/l
RT: 5.454 min Scan# 51769
Delta R.T. -0.006 min
Lab File: VW032083.D
Acq: 14 Aug 2025 10:58

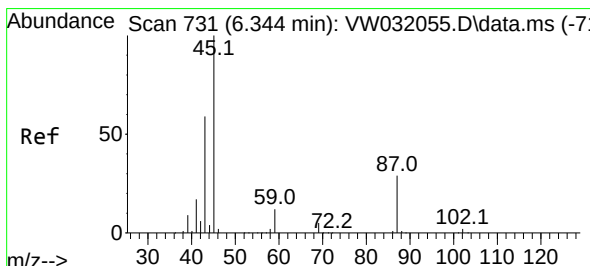
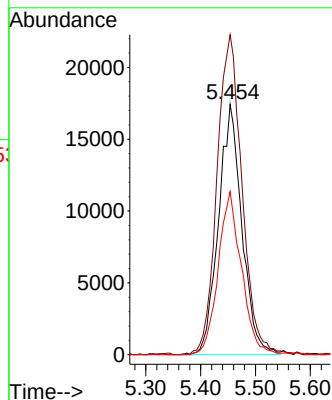
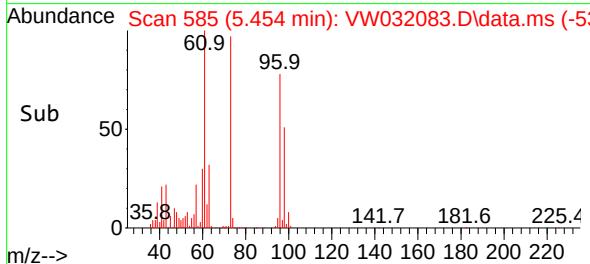
Instrument :
MSVOA_W
ClientSampleId :
VW0814SBSD01



Tgt Ion: 96 Resp: 51769
Ion Ratio Lower Upper
96 100
61 127.9 106.8 160.2
98 65.2 49.6 74.4

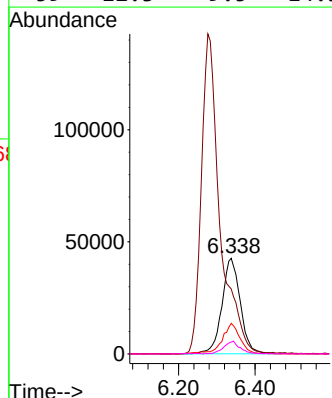
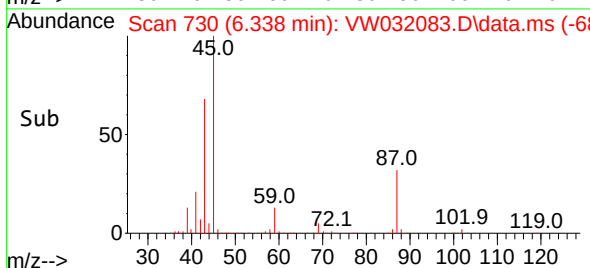
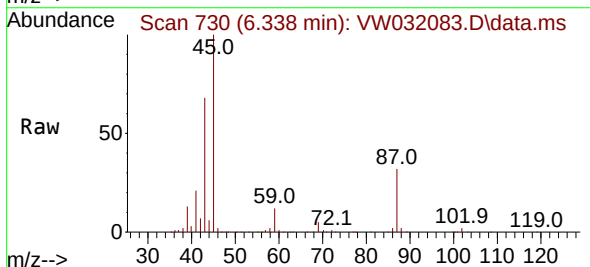
Manual Integrations
APPROVED

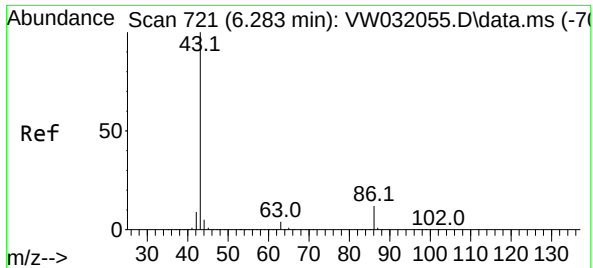
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025



#22
Diisopropyl ether
Concen: 17.452 ug/l
RT: 6.338 min Scan# 730
Delta R.T. -0.006 min
Lab File: VW032083.D
Acq: 14 Aug 2025 10:58

Tgt Ion: 45 Resp: 141639
Ion Ratio Lower Upper
45 100
43 67.7 47.0 70.4
87 31.9 23.8 35.8
59 12.3 9.5 14.3





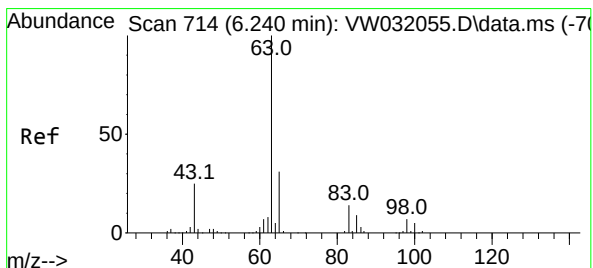
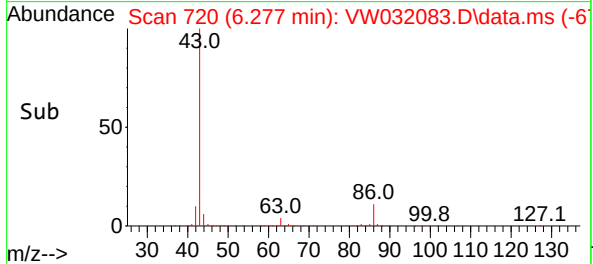
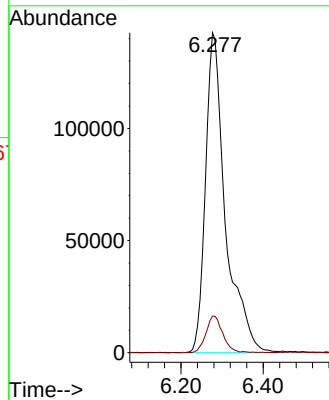
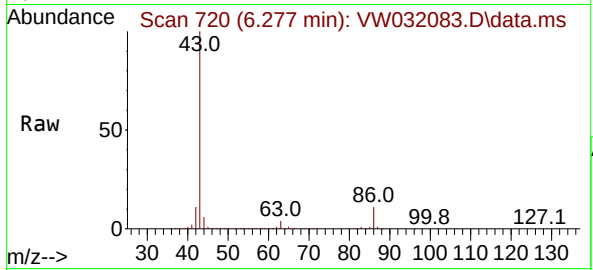
#23
Vinyl Acetate
Concen: 90.338 ug/l
RT: 6.277 min Scan# 714
Delta R.T. -0.006 min
Lab File: VW032083.D
Acq: 14 Aug 2025 10:58

Instrument :
MSVOA_W
ClientSampleId :
VW0814SBS01

Tgt Ion: 43 Resp: 48136
Ion Ratio Lower Upper
43 100
86 11.4 9.4 14.0

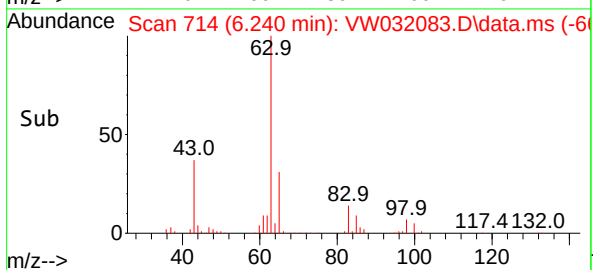
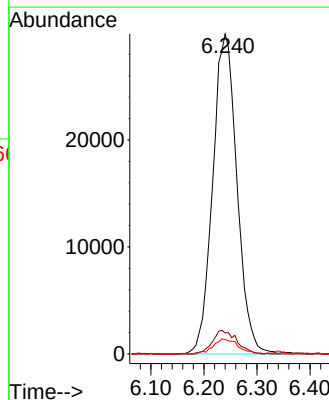
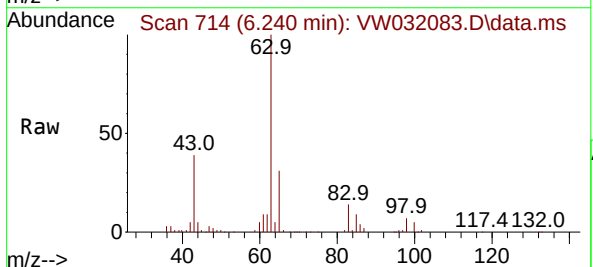
Manual Integrations
APPROVED

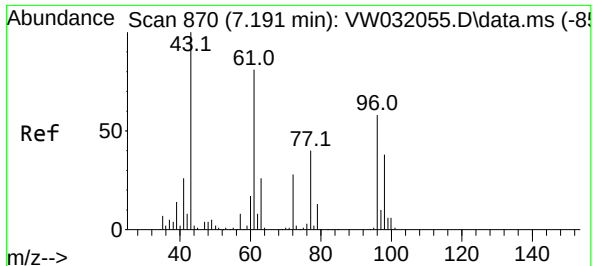
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025



#24
1,1-Dichloroethane
Concen: 18.303 ug/l
RT: 6.240 min Scan# 714
Delta R.T. -0.000 min
Lab File: VW032083.D
Acq: 14 Aug 2025 10:58

Tgt Ion: 63 Resp: 94906
Ion Ratio Lower Upper
63 100
98 6.6 3.7 11.1
100 4.6 2.5 7.4





#25

2-Butanone

Concen: 91.978 ug/l

RT: 7.191 min Scan# 81

Delta R.T. -0.000 min

Lab File: VW032083.D

Acq: 14 Aug 2025 10:58

Instrument :

MSVOA_W

ClientSampleId :

VW0814SBS01

Tgt Ion: 43 Resp: 9547

Ion Ratio Lower Upper

43 100

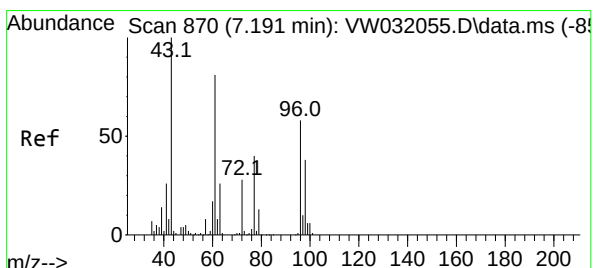
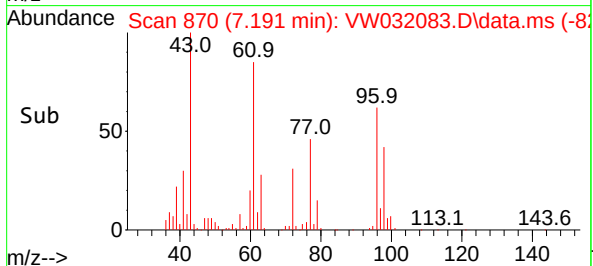
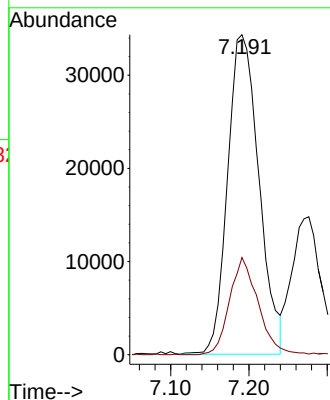
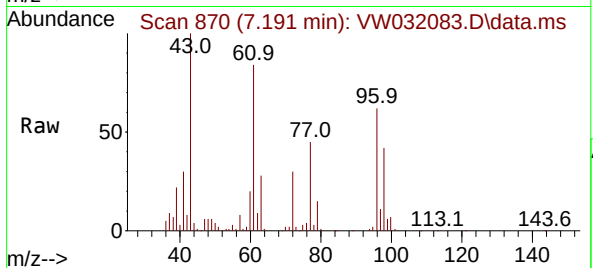
72 30.4 22.3 33.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/19/2025

Supervised By :Mahesh Dadoda 08/19/2025



#26

2,2-Dichloropropane

Concen: 18.841 ug/l

RT: 7.185 min Scan# 869

Delta R.T. -0.006 min

Lab File: VW032083.D

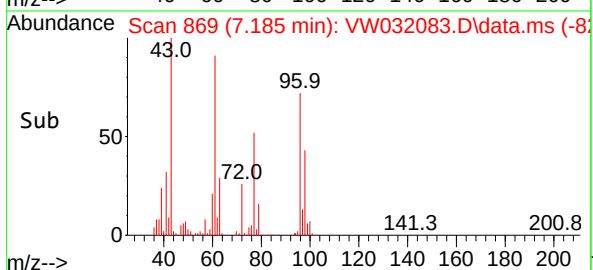
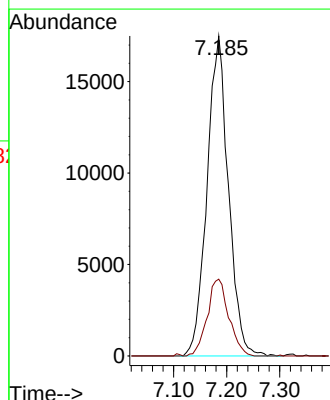
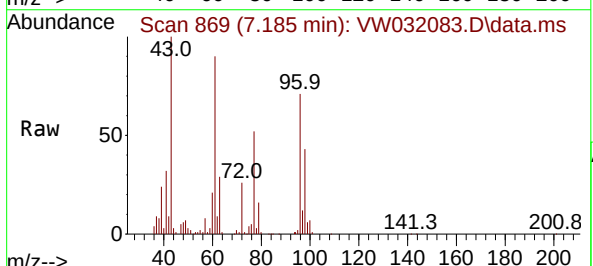
Acq: 14 Aug 2025 10:58

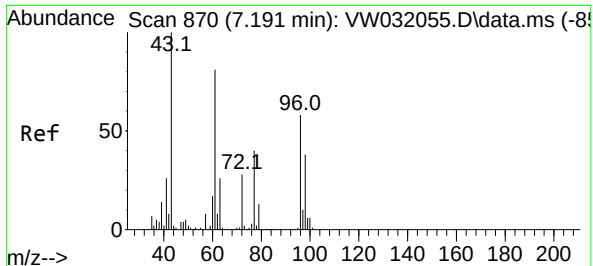
Tgt Ion: 77 Resp: 49013

Ion Ratio Lower Upper

77 100

97 24.2 12.3 36.9





#27

cis-1,2-Dichloroethene

Concen: 18.864 ug/l

RT: 7.185 min Scan# 80

Delta R.T. -0.006 min

Lab File: VW032083.D

Acq: 14 Aug 2025 10:58

Instrument :

MSVOA_W

ClientSampleId :

VW0814SBS01

Tgt Ion: 96 Resp: 6189

Ion Ratio Lower Upper

96 100

61 131.5 0.0 281.2

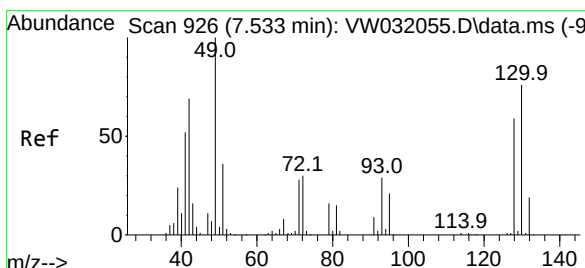
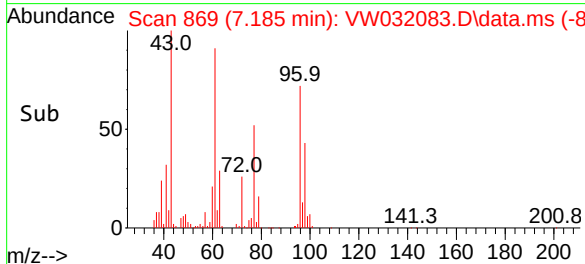
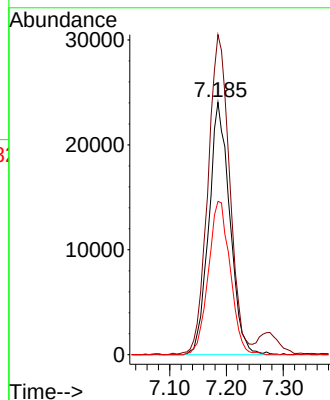
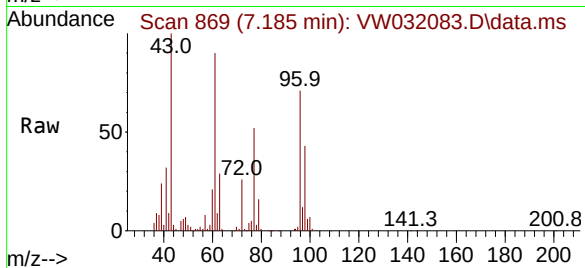
98 63.0 0.0 130.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/19/2025

Supervised By :Mahesh Dadoda 08/19/2025



#28

Bromochloromethane

Concen: 18.270 ug/l

RT: 7.526 min Scan# 925

Delta R.T. -0.006 min

Lab File: VW032083.D

Acq: 14 Aug 2025 10:58

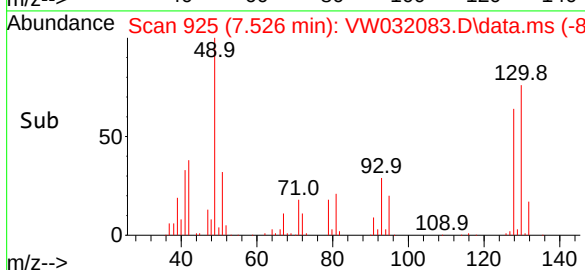
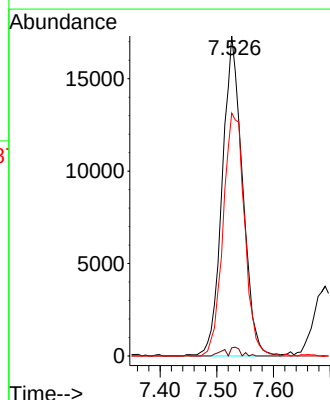
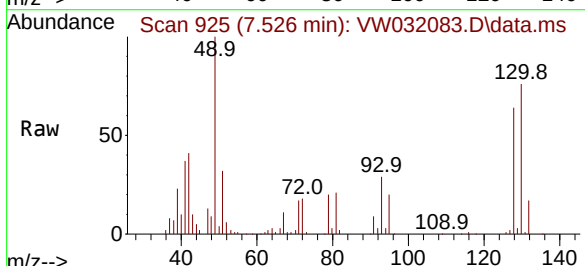
Tgt Ion: 49 Resp: 43111

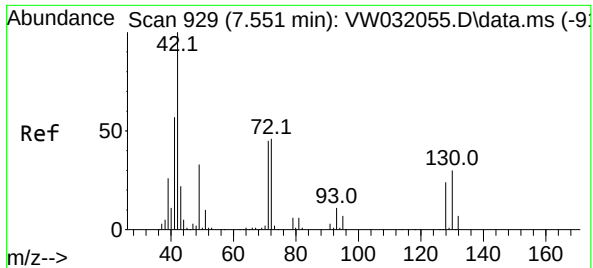
Ion Ratio Lower Upper

49 100

129 1.3 0.0 4.2

130 80.0 61.9 92.9





#29

Tetrahydrofuran

Concen: 82.447 ug/l

RT: 7.551 min Scan# 91

Delta R.T. -0.000 min

Lab File: VW032083.D

Acq: 14 Aug 2025 10:58

Instrument :

MSVOA_W

ClientSampleId :

VW0814SBS01

Tgt Ion: 42 Resp: 56439

Ion Ratio Lower Upper

42 100

72 46.6 36.6 55.0

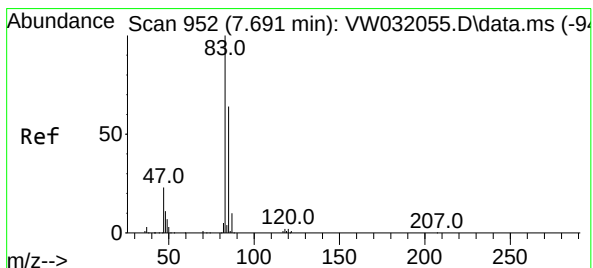
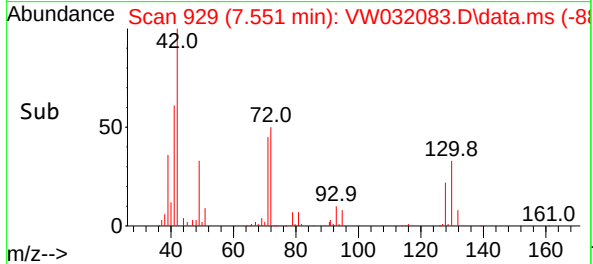
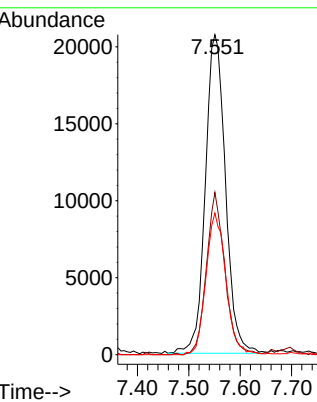
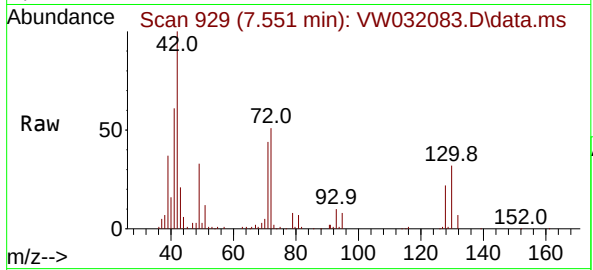
71 43.9 34.7 52.1

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 08/19/2025

Supervised By :Mahesh Dadoda 08/19/2025



#30

Chloroform

Concen: 19.239 ug/l

RT: 7.691 min Scan# 952

Delta R.T. -0.000 min

Lab File: VW032083.D

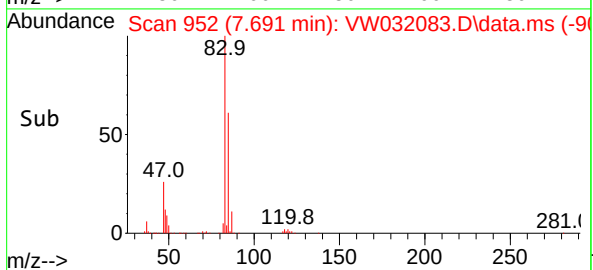
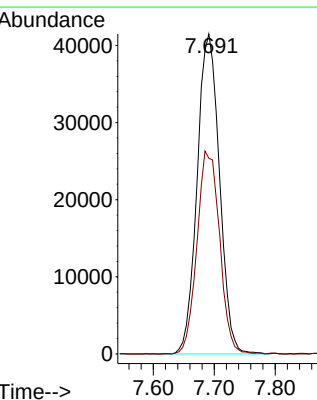
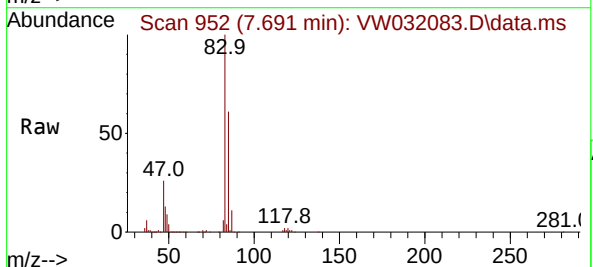
Acq: 14 Aug 2025 10:58

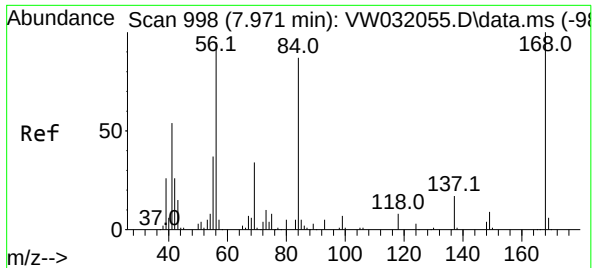
Tgt Ion: 83 Resp: 105761

Ion Ratio Lower Upper

83 100

85 61.0 51.0 76.4





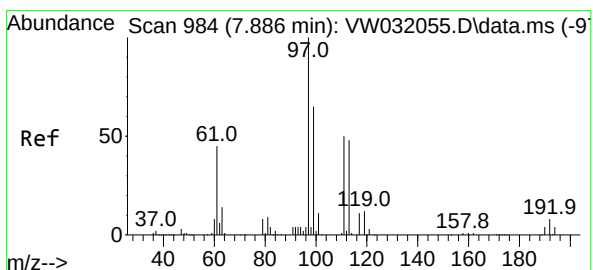
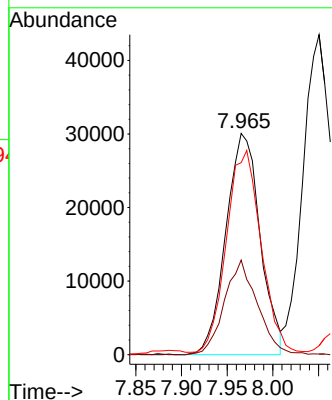
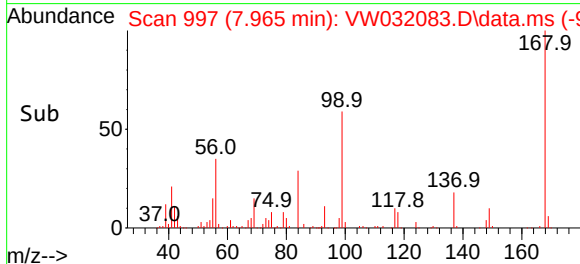
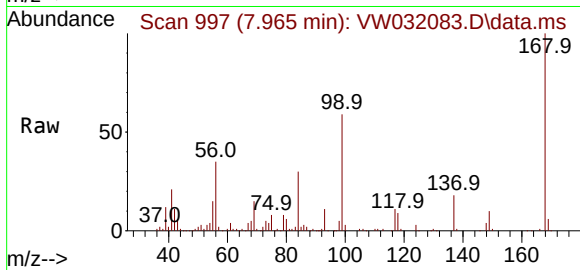
#31
Cyclohexane
Concen: 17.431 ug/l
RT: 7.965 min Scan# 998
Delta R.T. -0.006 min
Lab File: VW032083.D
Acq: 14 Aug 2025 10:58

Instrument :
MSVOA_W
ClientSampleId :
VW0814SBS01

Tgt Ion: 56 Resp: 7835
Ion Ratio Lower Upper
56 100
69 42.2 28.6 42.8
84 85.0 73.0 109.4

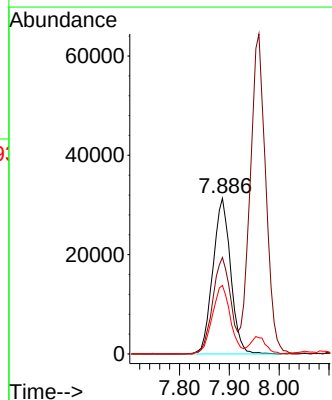
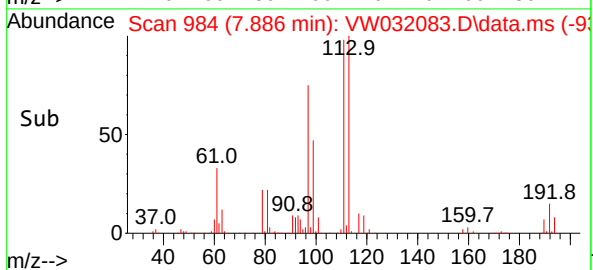
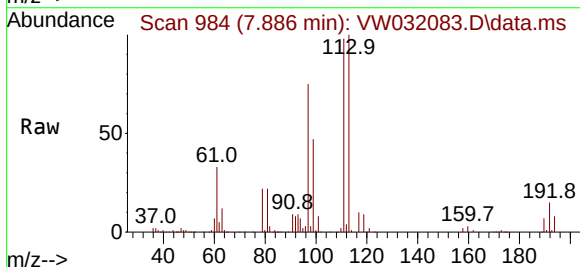
Manual Integrations
APPROVED

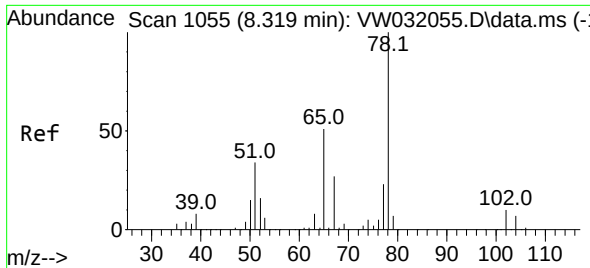
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025



#32
1,1,1-Trichloroethane
Concen: 19.425 ug/l
RT: 7.886 min Scan# 984
Delta R.T. -0.000 min
Lab File: VW032083.D
Acq: 14 Aug 2025 10:58

Tgt Ion: 97 Resp: 77562
Ion Ratio Lower Upper
97 100
99 62.4 51.8 77.8
61 44.8 35.9 53.9





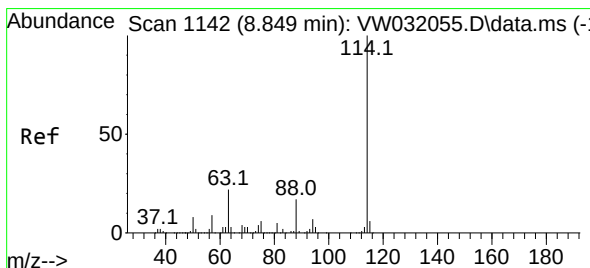
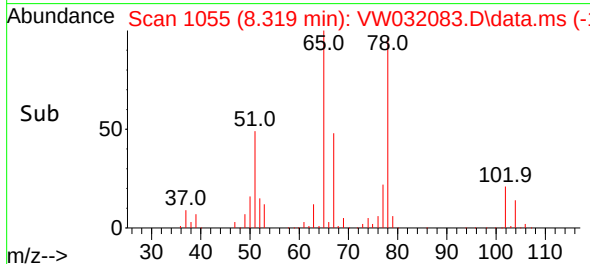
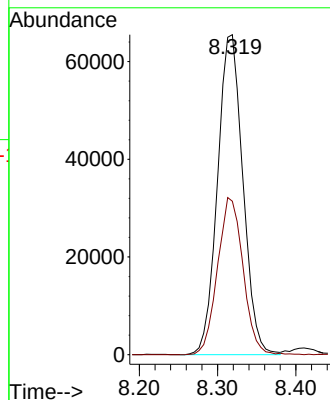
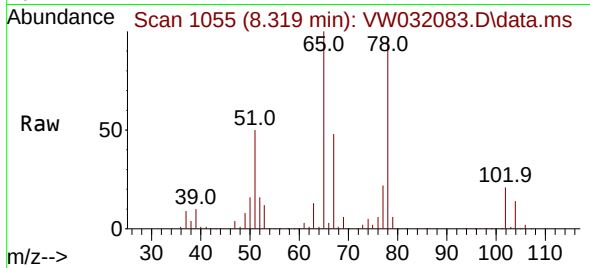
#33
1,2-Dichloroethane-d4
Concen: 46.808 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VW032083.D
Acq: 14 Aug 2025 10:58

Instrument :
MSVOA_W
ClientSampleId :
VW0814SBS01

Tgt Ion: 65 Resp: 14765
Ion Ratio Lower Upper
65 100
67 49.4 0.0 102.4

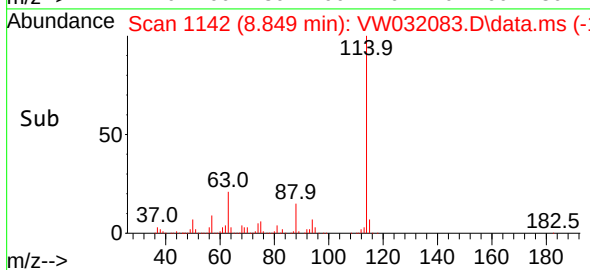
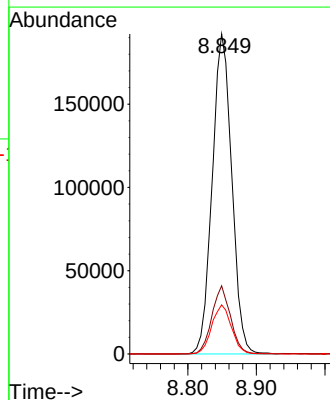
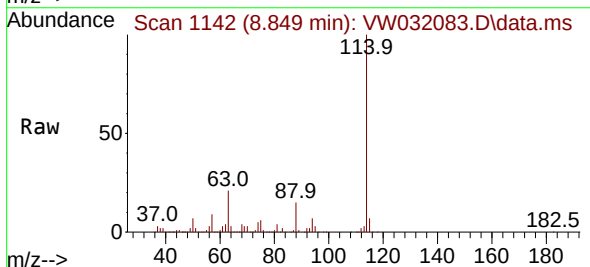
Manual Integrations
APPROVED

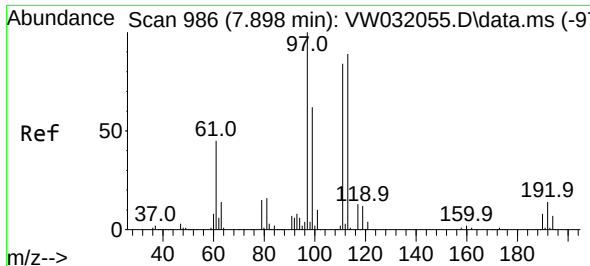
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 1142
Delta R.T. -0.000 min
Lab File: VW032083.D
Acq: 14 Aug 2025 10:58

Tgt Ion:114 Resp: 379951
Ion Ratio Lower Upper
114 100
63 21.3 0.0 43.0
88 15.4 0.0 33.8





#35

Dibromofluoromethane

Concen: 50.548 ug/l

RT: 7.898 min Scan# 91

Delta R.T. -0.000 min

Lab File: VW032083.D

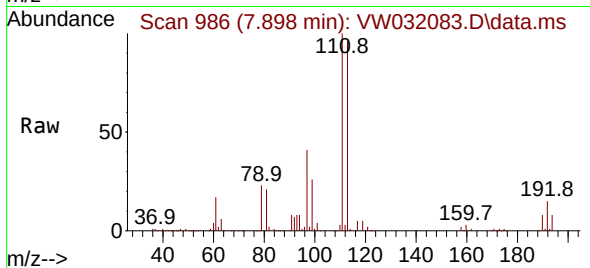
Acq: 14 Aug 2025 10:58

Instrument :

MSVOA_W

ClientSampleId :

VW0814SBS01



Tgt Ion:113 Resp: 124070

Ion Ratio Lower Upper

113 100

111 105.0 80.1 120.1

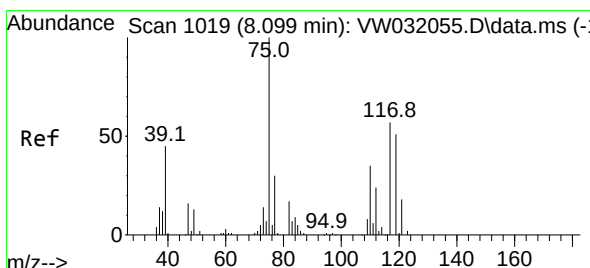
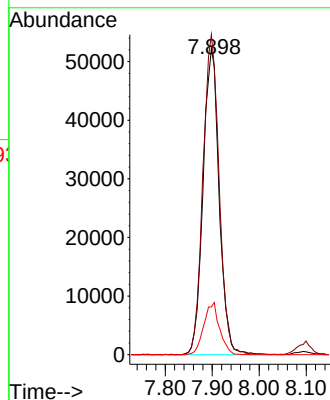
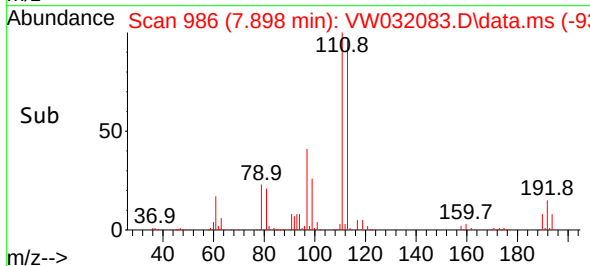
192 16.7 13.1 19.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/19/2025

Supervised By :Mahesh Dadoda 08/19/2025



#36

1,1-Dichloropropene

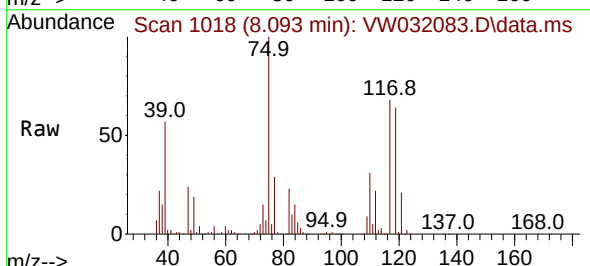
Concen: 20.189 ug/l

RT: 8.093 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VW032083.D

Acq: 14 Aug 2025 10:58



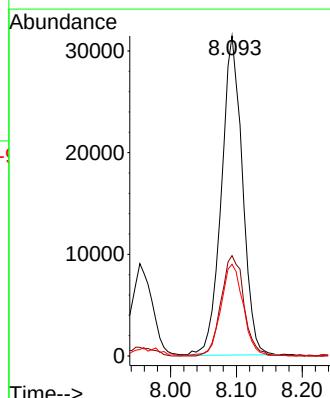
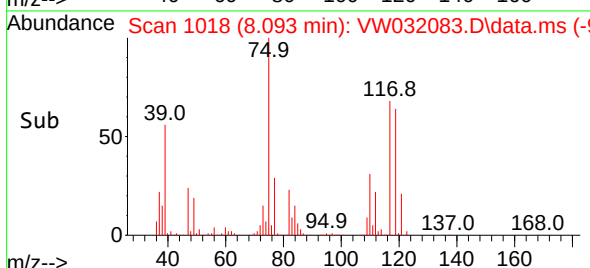
Tgt Ion: 75 Resp: 69861

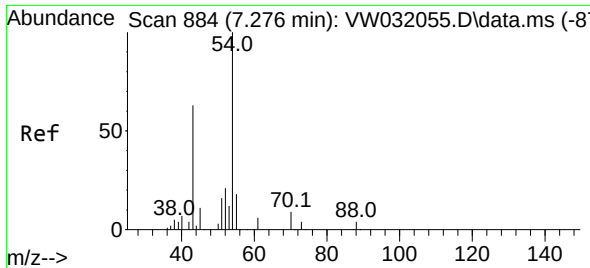
Ion Ratio Lower Upper

75 100

110 34.2 17.4 52.2

77 30.6 24.7 37.1





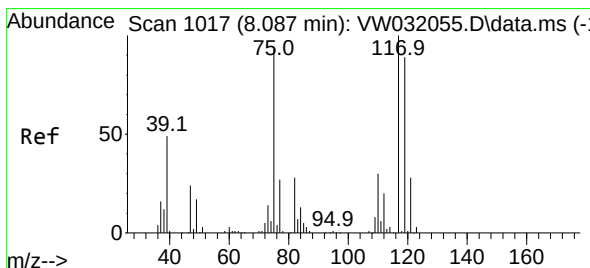
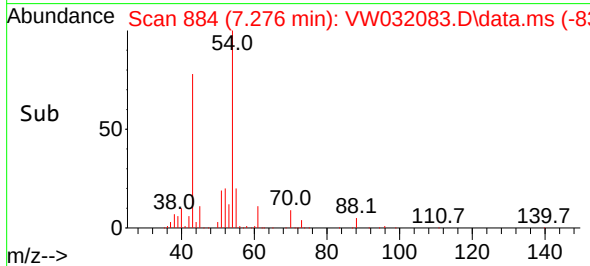
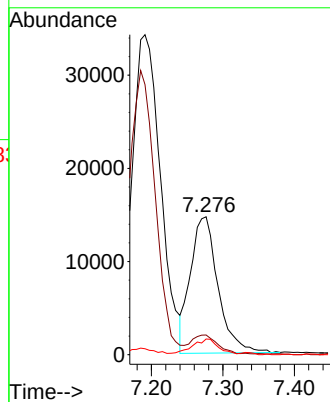
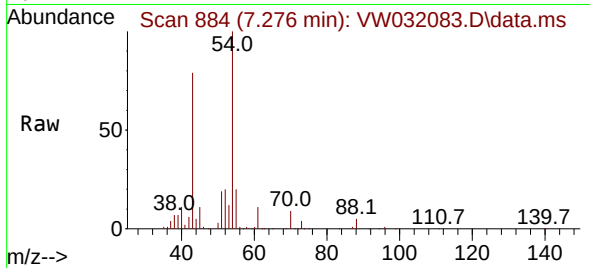
#37
Ethyl Acetate
Concen: 19.240 ug/l
RT: 7.276 min Scan# 884
Delta R.T. -0.000 min
Lab File: VW032083.D
Acq: 14 Aug 2025 10:58

Instrument :
MSVOA_W
ClientSampleId :
VW0814SBS01

Tgt Ion:	43	Resp:	3921
Ion	Ratio	Lower	Upper
43	100		
61	13.1	11.8	17.6
70	10.9	9.4	14.0

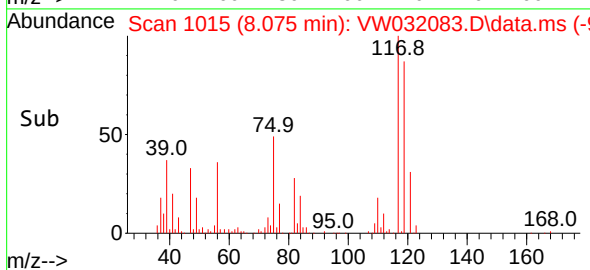
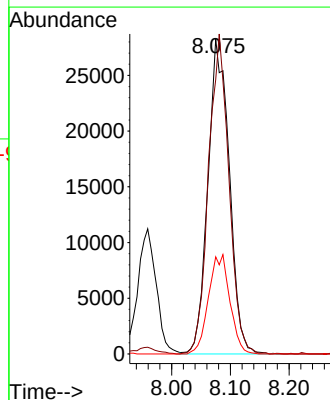
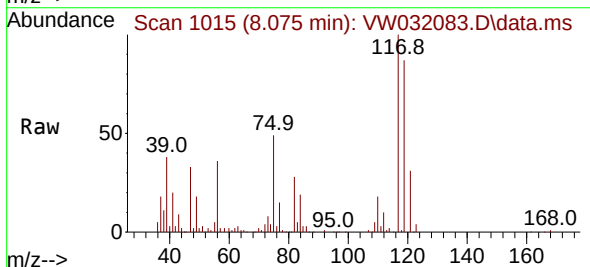
Manual Integrations
APPROVED

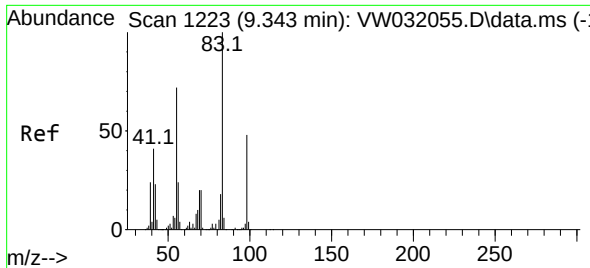
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025



#38
Carbon Tetrachloride
Concen: 21.419 ug/l
RT: 8.075 min Scan# 1015
Delta R.T. -0.012 min
Lab File: VW032083.D
Acq: 14 Aug 2025 10:58

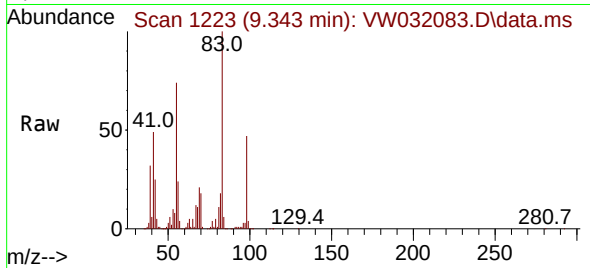
Tgt Ion:	117	Resp:	71526
Ion	Ratio	Lower	Upper
117	100		
119	87.2	71.4	107.2
121	30.8	22.3	33.5





#39
Methylcyclohexane
Concen: 19.402 ug/l
RT: 9.343 min Scan# 1058
Delta R.T. -0.000 min
Lab File: VW032083.D
Acq: 14 Aug 2025 10:58

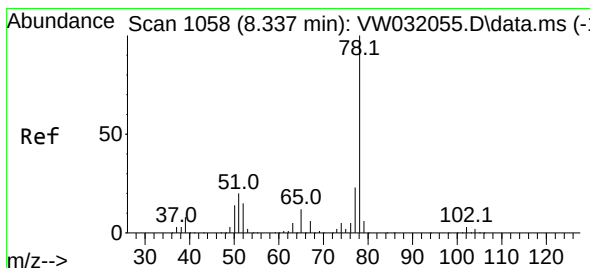
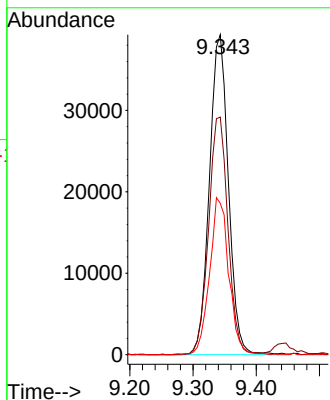
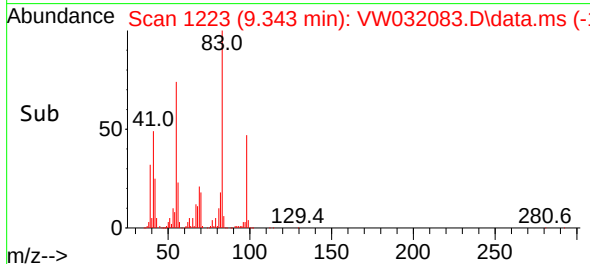
Instrument :
MSVOA_W
ClientSampleId :
VW0814SBS01



Tgt Ion: 83 Resp: 8183
Ion Ratio Lower Upper
83 100
55 74.1 57.9 86.9
98 47.3 38.3 57.5

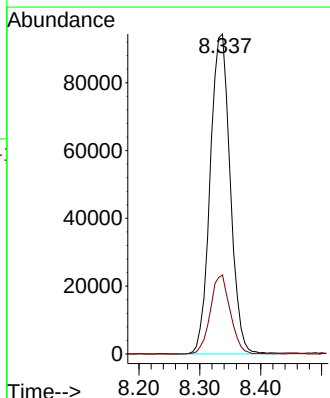
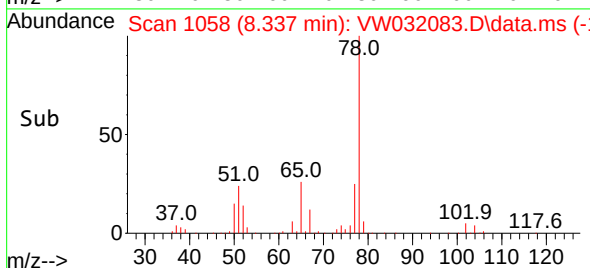
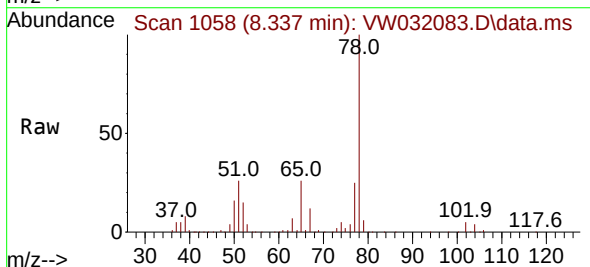
Manual Integrations
APPROVED

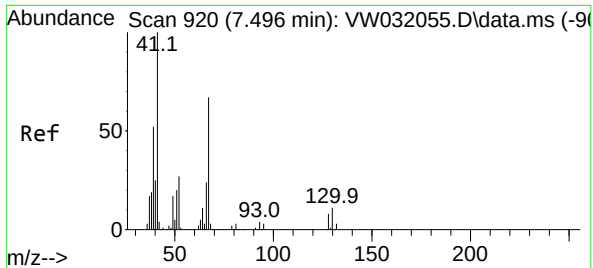
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025



#40
Benzene
Concen: 19.983 ug/l
RT: 8.337 min Scan# 1058
Delta R.T. -0.000 min
Lab File: VW032083.D
Acq: 14 Aug 2025 10:58

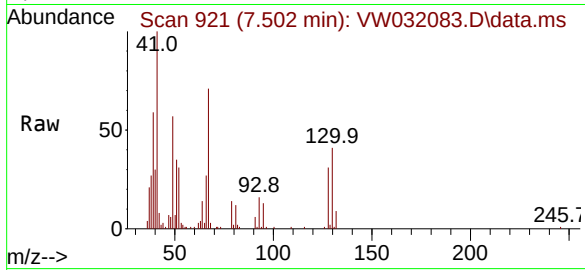
Tgt Ion: 78 Resp: 214937
Ion Ratio Lower Upper
78 100
77 24.7 18.4 27.6





#41
Methacrylonitrile
Concen: 18.301 ug/l
RT: 7.502 min Scan# 911
Delta R.T. 0.006 min
Lab File: VW032083.D
Acq: 14 Aug 2025 10:58

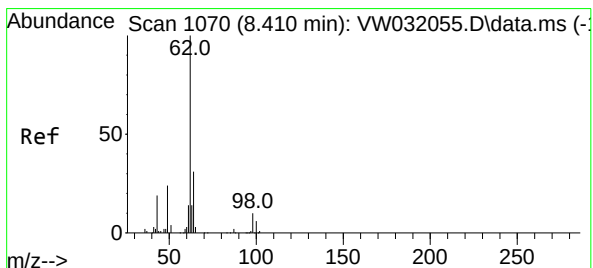
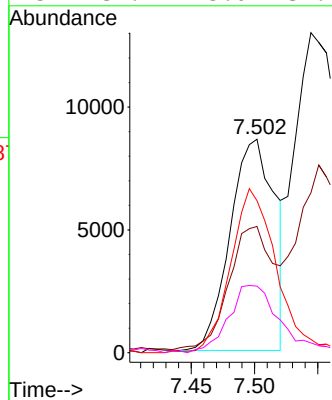
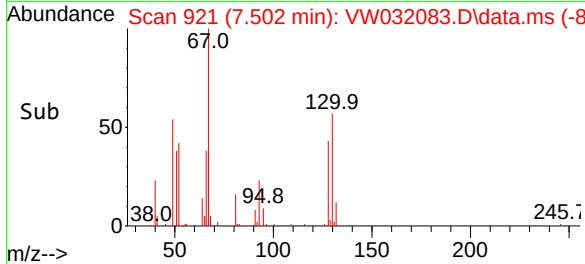
Instrument :
MSVOA_W
ClientSampleId :
VW0814SBS01



Tgt Ion: 41 Resp: 2115
Ion Ratio Lower Upper
41 100
39 59.2 42.6 63.8
67 80.1 61.0 91.4
52 37.4 25.0 37.4#

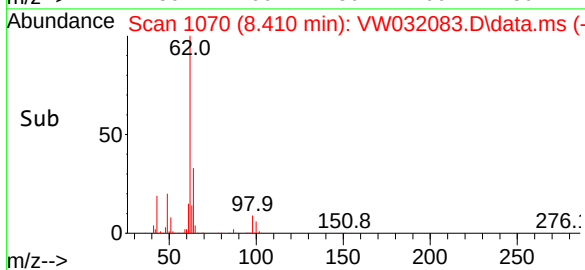
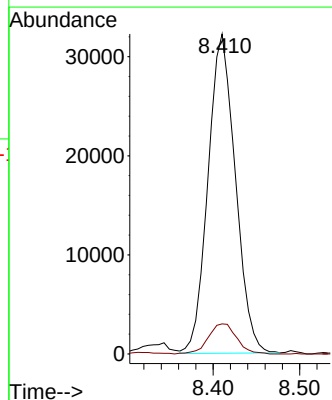
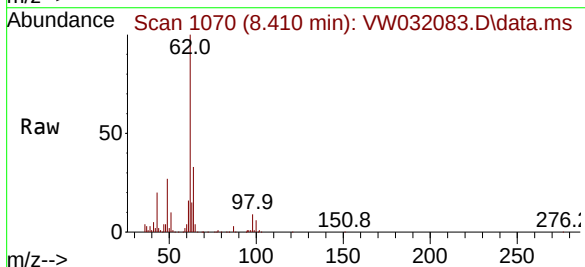
Manual Integrations
APPROVED

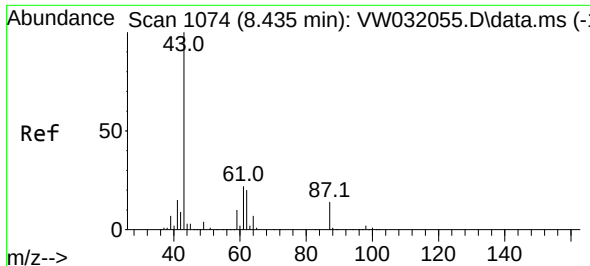
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025



#42
1,2-Dichloroethane
Concen: 20.552 ug/l
RT: 8.410 min Scan# 1070
Delta R.T. -0.000 min
Lab File: VW032083.D
Acq: 14 Aug 2025 10:58

Tgt Ion: 62 Resp: 70737
Ion Ratio Lower Upper
62 100
98 9.8 0.0 19.8





#43

Isopropyl Acetate

Concen: 18.403 ug/l

RT: 8.435 min Scan# 1074

Delta R.T. -0.000 min

Lab File: VW032083.D

Acq: 14 Aug 2025 10:58

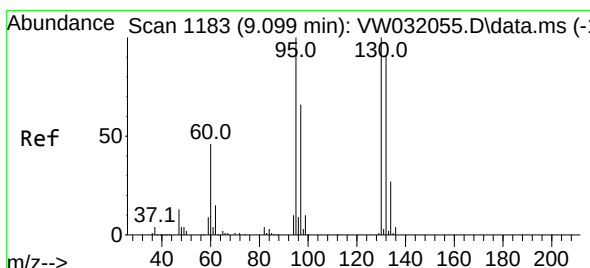
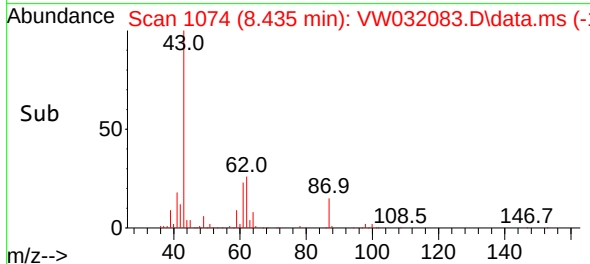
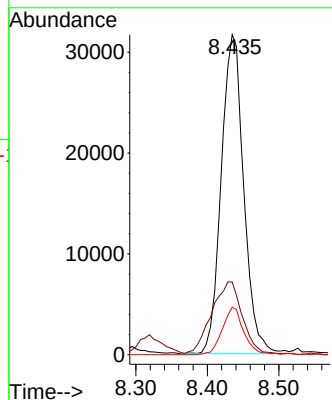
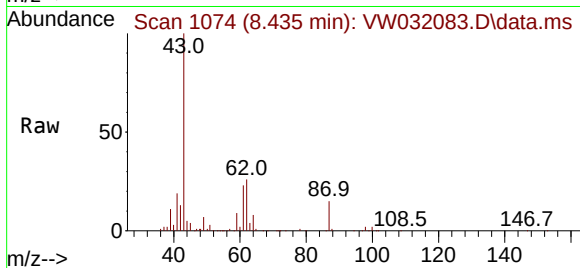
Instrument :

MSVOA_W

ClientSampleId :

VW0814SBS01

Tgt Ion:	43	Resp:	6900
Ion	Ratio	Lower	Upper
43	100		
61	30.6	23.8	35.8
87	14.1	11.7	17.5

Manual Integrations
APPROVEDReviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025

#44

Trichloroethene

Concen: 20.845 ug/l

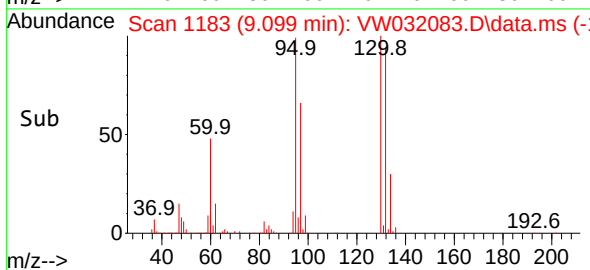
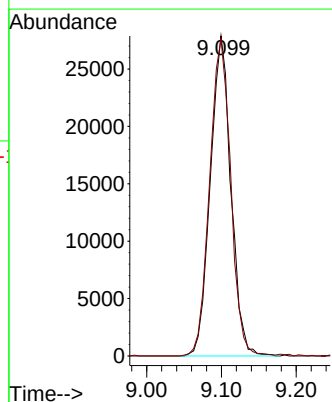
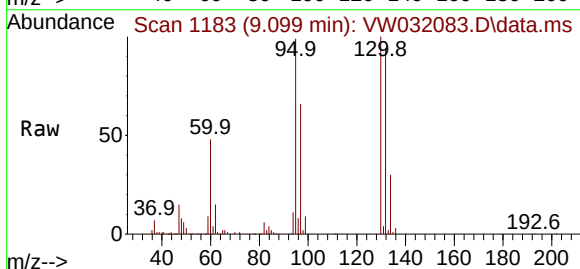
RT: 9.099 min Scan# 1183

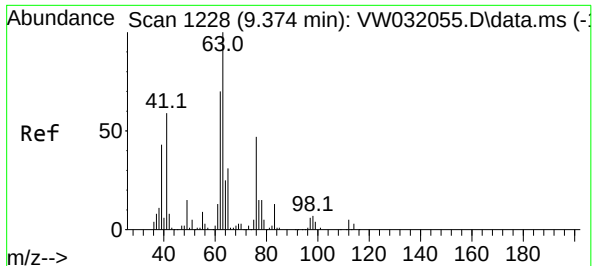
Delta R.T. -0.000 min

Lab File: VW032083.D

Acq: 14 Aug 2025 10:58

Tgt Ion:	130	Resp:	53394
Ion	Ratio	Lower	Upper
130	100		
95	99.2	0.0	200.6





#45

1,2-Dichloropropane

Concen: 19.487 ug/l

RT: 9.374 min Scan# 1228

Delta R.T. -0.000 min

Lab File: VW032083.D

Acq: 14 Aug 2025 10:58

Instrument :

MSVOA_W

ClientSampleId :

VW0814SBS01

Tgt Ion: 63 Resp: 5063

Ion Ratio Lower Upper

63 100

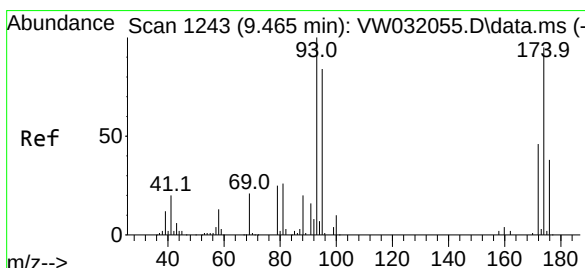
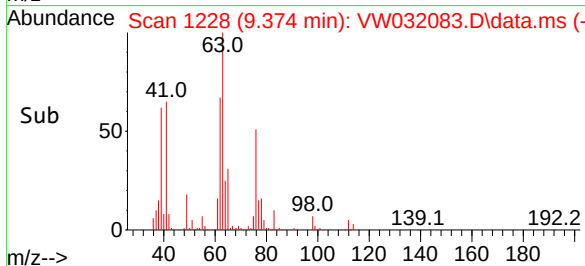
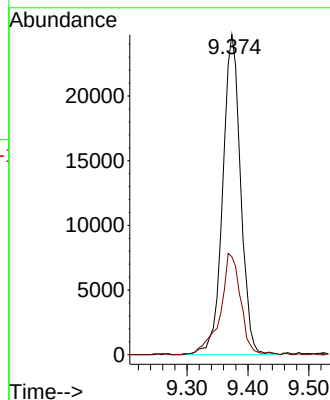
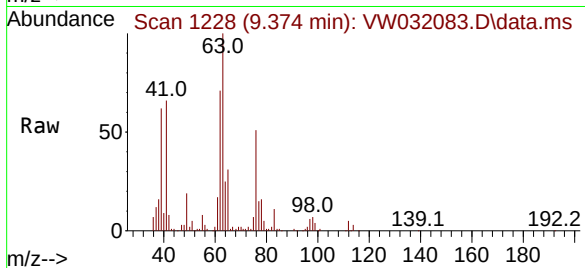
65 30.6 24.6 36.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/19/2025

Supervised By :Mahesh Dadoda 08/19/2025



#46

Dibromomethane

Concen: 20.610 ug/l

RT: 9.465 min Scan# 1243

Delta R.T. -0.000 min

Lab File: VW032083.D

Acq: 14 Aug 2025 10:58

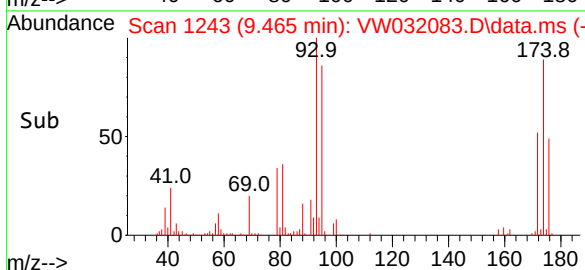
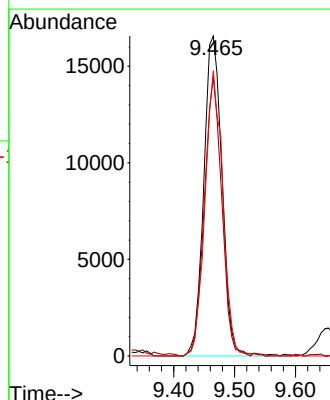
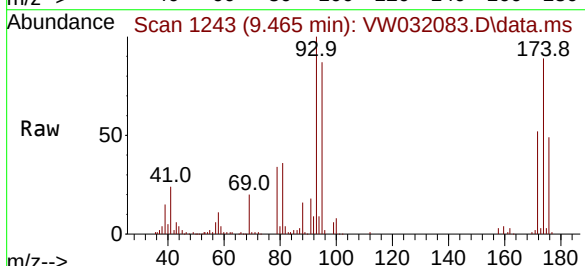
Tgt Ion: 93 Resp: 34565

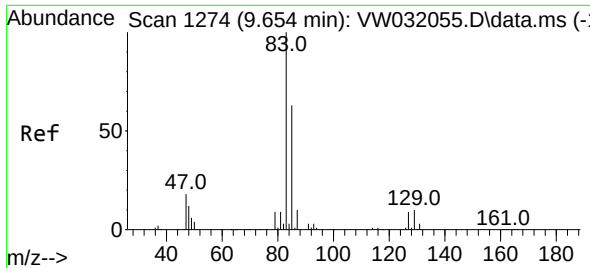
Ion Ratio Lower Upper

93 100

95 82.8 65.3 97.9

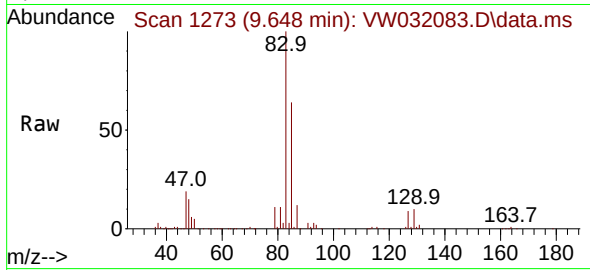
174 86.6 68.6 102.8





#47
Bromodichloromethane
Concen: 20.621 ug/l
RT: 9.648 min Scan# 1273
Delta R.T. -0.006 min
Lab File: VW032083.D
Acq: 14 Aug 2025 10:58

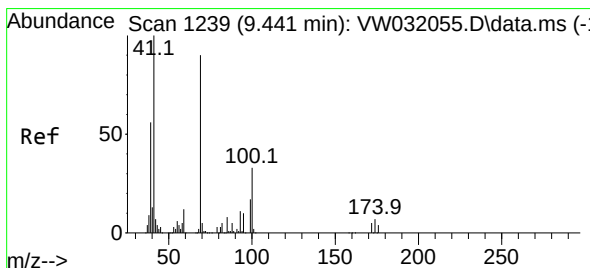
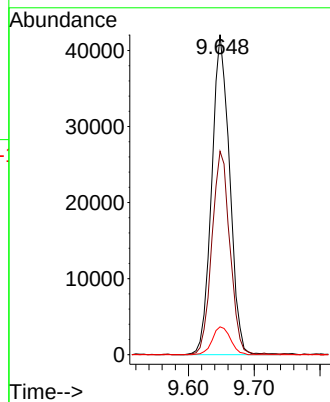
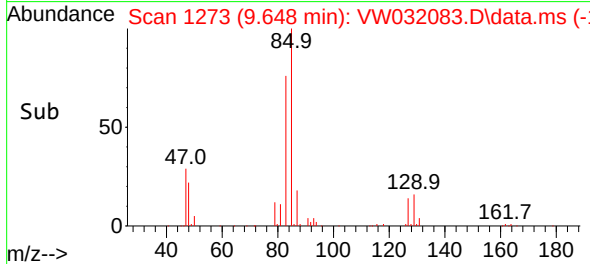
Instrument :
MSVOA_W
ClientSampleId :
VW0814SBS01



Tgt Ion: 83 Resp: 7969
Ion Ratio Lower Upper
83 100
85 63.5 50.6 75.8
127 8.7 6.9 10.3

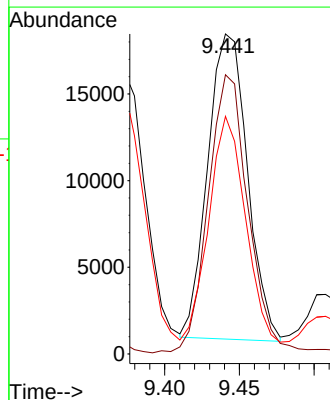
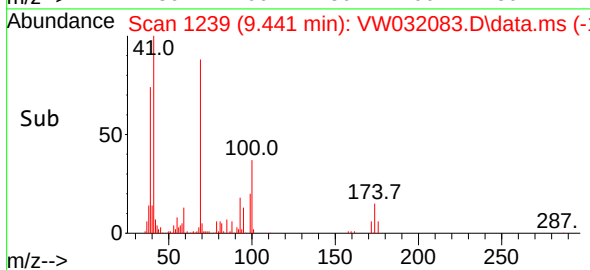
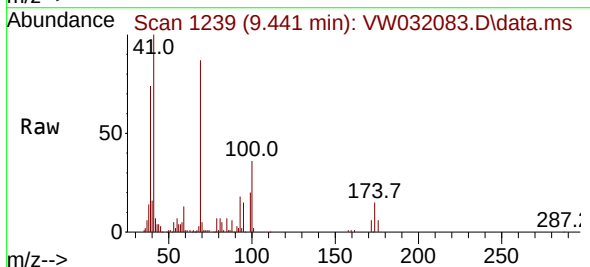
Manual Integrations
APPROVED

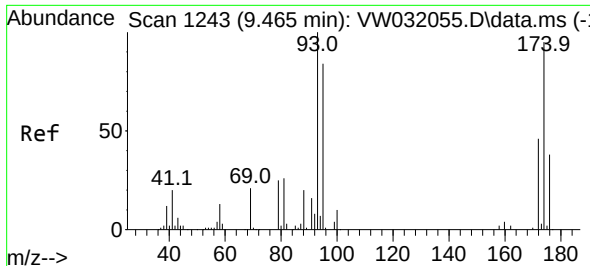
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025



#48
Methyl methacrylate
Concen: 17.966 ug/l
RT: 9.441 min Scan# 1239
Delta R.T. -0.000 min
Lab File: VW032083.D
Acq: 14 Aug 2025 10:58

Tgt Ion: 41 Resp: 32521
Ion Ratio Lower Upper
41 100
69 93.1 73.0 109.6
39 68.4 45.0 67.4#





#49

1,4-Dioxane

Concen: 387.463 ug/l

RT: 9.459 min Scan# 1242

Delta R.T. -0.006 min

Lab File: VW032083.D

Acq: 14 Aug 2025 10:58

Instrument :

MSVOA_W

ClientSampleId :

VW0814SBS01

Tgt Ion: 88 Resp: 840

Ion Ratio Lower Upper

88 100

43 0.0 20.6 30.8

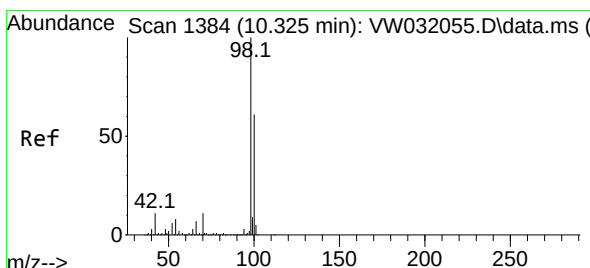
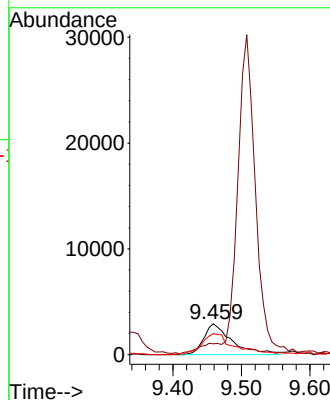
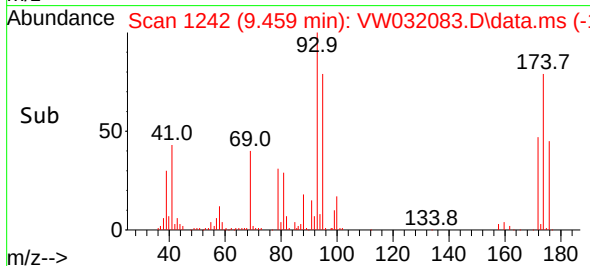
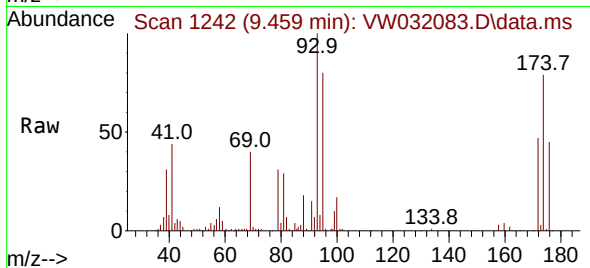
58 80.8 60.4 90.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/19/2025

Supervised By :Mahesh Dadoda 08/19/2025



#50

Toluene-d8

Concen: 50.113 ug/l

RT: 10.325 min Scan# 1384

Delta R.T. -0.000 min

Lab File: VW032083.D

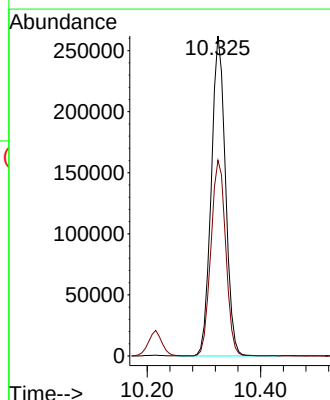
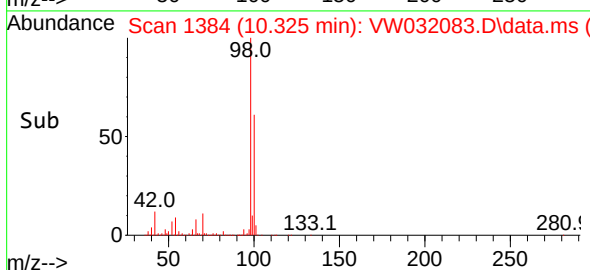
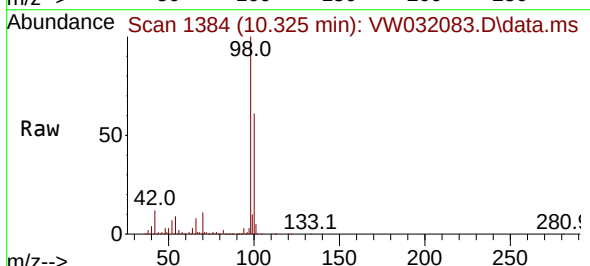
Acq: 14 Aug 2025 10:58

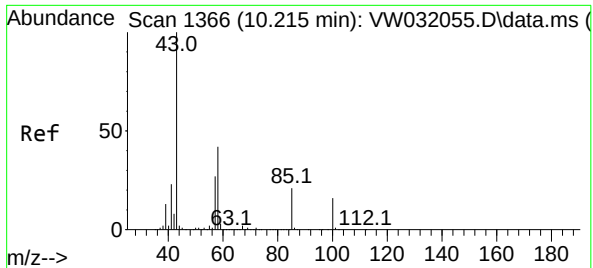
Tgt Ion: 98 Resp: 454977

Ion Ratio Lower Upper

98 100

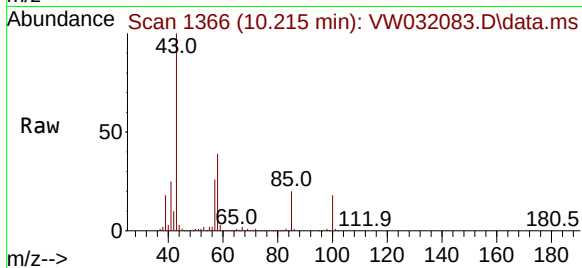
100 63.7 51.1 76.7





#51
4-Methyl-2-Pentanone
Concen: 96.913 ug/l
RT: 10.215 min Scan# 1366
Delta R.T. -0.000 min
Lab File: VW032083.D
Acq: 14 Aug 2025 10:58

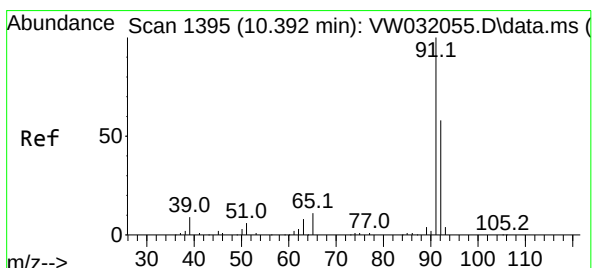
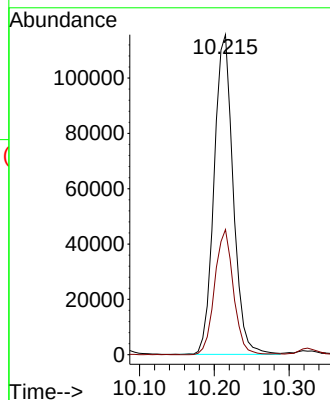
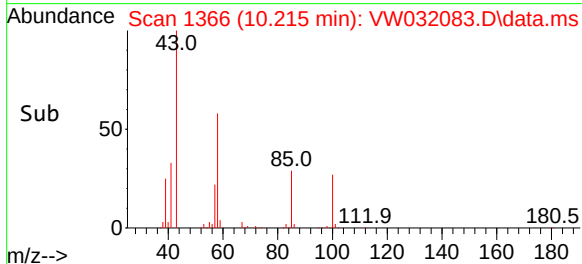
Instrument :
MSVOA_W
ClientSampleId :
VW0814SBS01



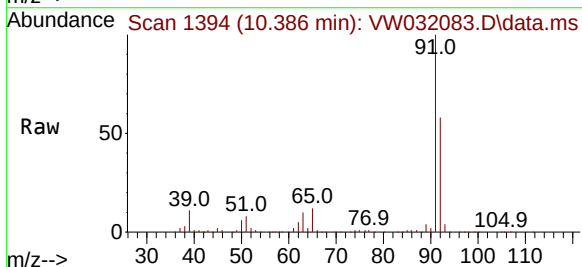
Tgt Ion: 43 Resp: 205100
Ion Ratio Lower Upper
43 100
58 38.5 33.1 49.7

Manual Integrations
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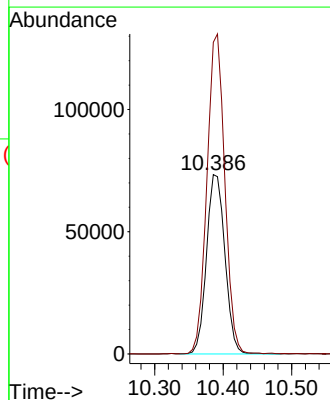
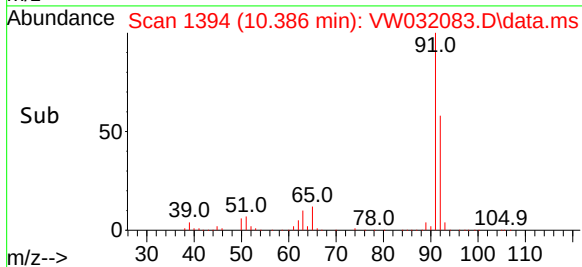
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025

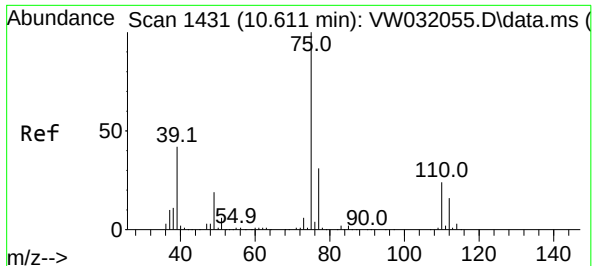


#52
Toluene
Concen: 20.277 ug/l
RT: 10.386 min Scan# 1394
Delta R.T. -0.006 min
Lab File: VW032083.D
Acq: 14 Aug 2025 10:58



Tgt Ion: 92 Resp: 137378
Ion Ratio Lower Upper
92 100
91 172.5 136.3 204.5





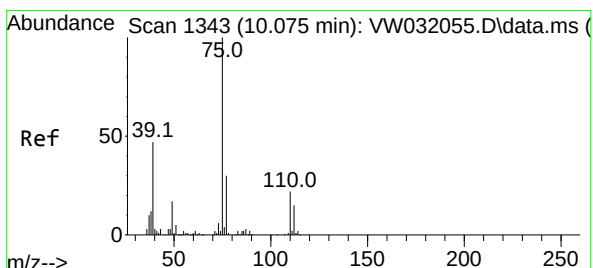
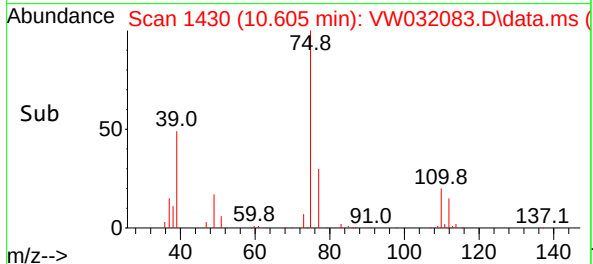
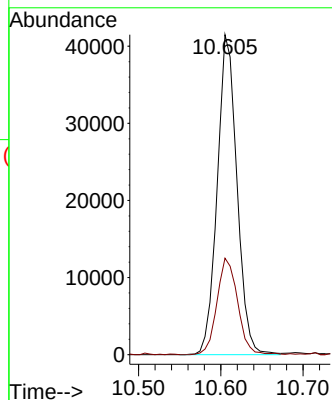
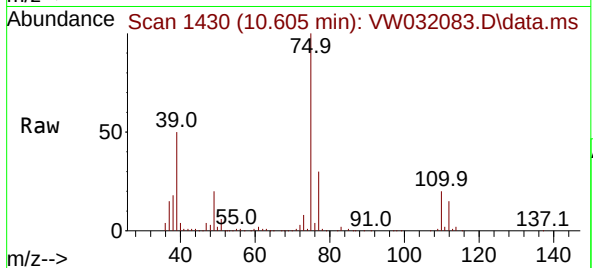
#53
t-1,3-Dichloropropene
Concen: 19.147 ug/l
RT: 10.605 min Scan# 1431
Delta R.T. -0.006 min
Lab File: VW032083.D
Acq: 14 Aug 2025 10:58

Instrument :
MSVOA_W
ClientSampleId :
VW0814SBS01

Tgt Ion: 75 Resp: 6932
Ion Ratio Lower Upper
75 100
77 30.2 25.0 37.6

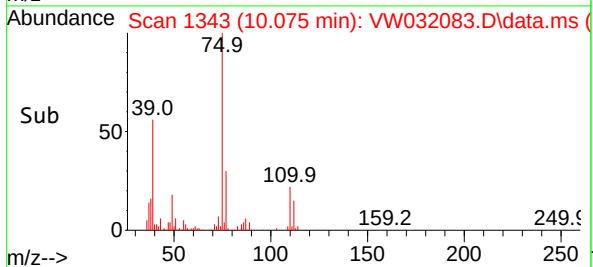
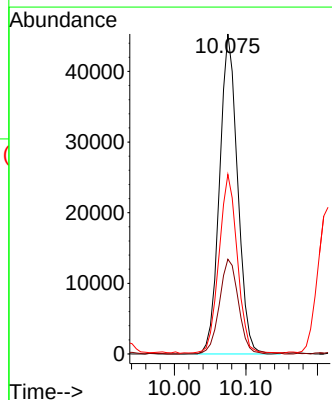
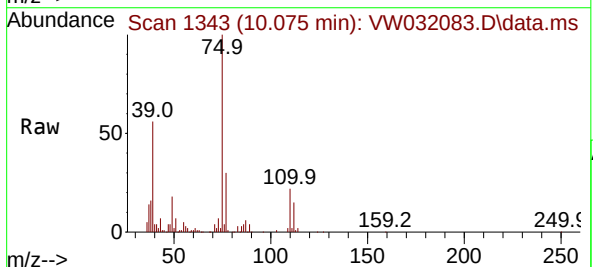
Manual Integrations
APPROVED

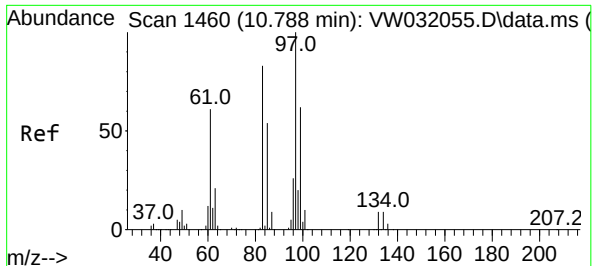
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025



#54
cis-1,3-Dichloropropene
Concen: 19.350 ug/l
RT: 10.075 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VW032083.D
Acq: 14 Aug 2025 10:58

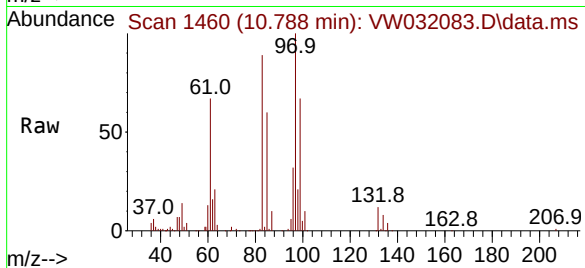
Tgt Ion: 75 Resp: 79480
Ion Ratio Lower Upper
75 100
77 29.5 24.0 36.0
39 55.9 37.8 56.8





#55
1,1,2-Trichloroethane
Concen: 20.001 ug/l
RT: 10.788 min Scan# 1460
Delta R.T. -0.000 min
Lab File: VW032083.D
Acq: 14 Aug 2025 10:58

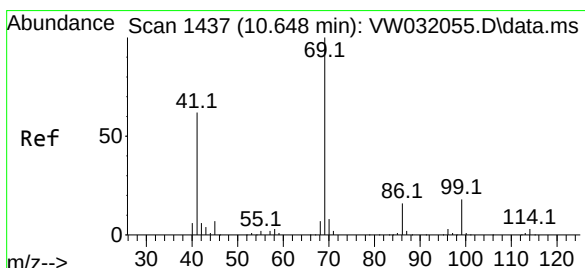
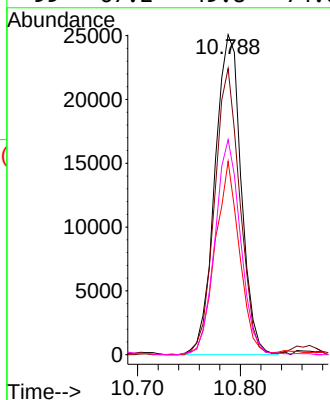
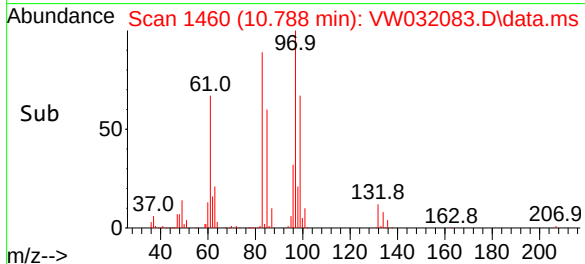
Instrument :
MSVOA_W
ClientSampleId :
VW0814SBS01



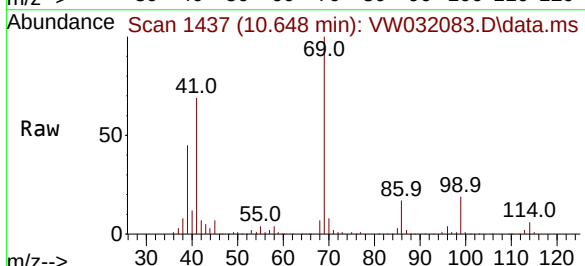
Tgt Ion: 97 Resp: 4457
Ion Ratio Lower Upper
97 100
83 89.4 66.4 99.6
85 60.4 43.1 64.7
99 67.2 49.8 74.6

Manual Integrations
APPROVED

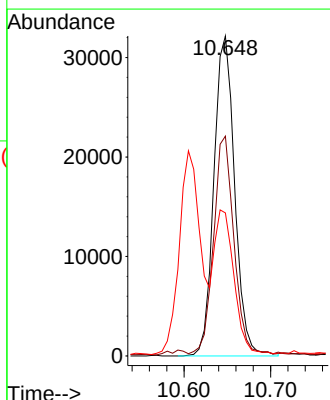
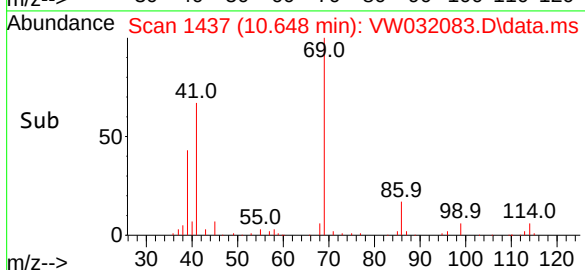
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025

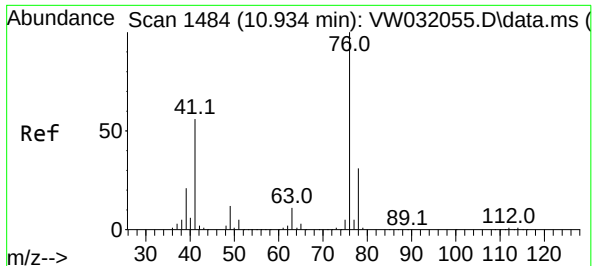


#56
Ethyl methacrylate
Concen: 17.973 ug/l
RT: 10.648 min Scan# 1437
Delta R.T. -0.000 min
Lab File: VW032083.D
Acq: 14 Aug 2025 10:58



Tgt Ion: 69 Resp: 53600
Ion Ratio Lower Upper
69 100
41 66.3 51.2 76.8
39 41.7 25.4 38.0





#57

1,3-Dichloropropane

Concen: 19.038 ug/l

RT: 10.934 min Scan# 1484

Delta R.T. -0.000 min

Lab File: VW032083.D

Acq: 14 Aug 2025 10:58

Instrument :

MSVOA_W

ClientSampleId :

VW0814SBS01

Tgt Ion: 76 Resp: 73958

Ion Ratio Lower Upper

76 100

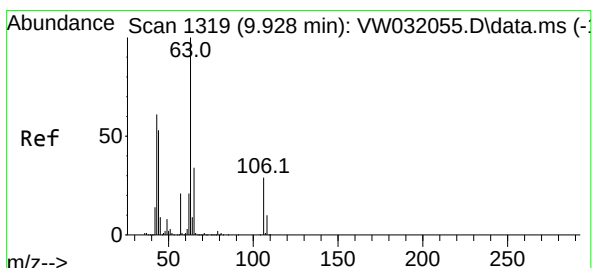
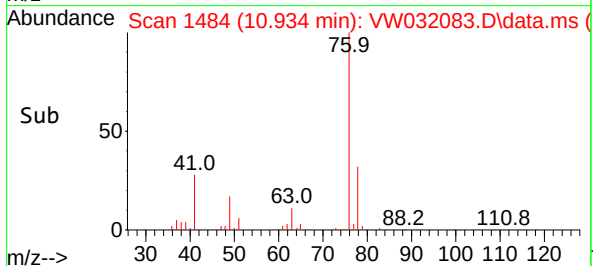
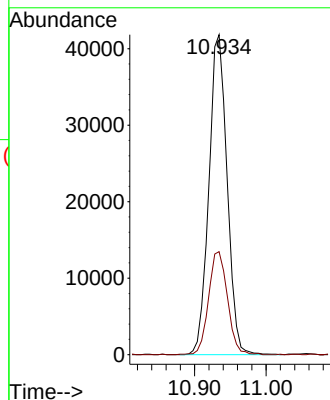
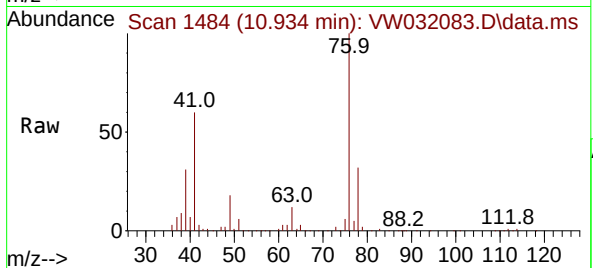
78 33.5 25.8 38.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/19/2025

Supervised By :Mahesh Dadoda 08/19/2025



#58

2-Chloroethyl Vinyl ether

Concen: 89.504 ug/l

RT: 9.928 min Scan# 1319

Delta R.T. -0.000 min

Lab File: VW032083.D

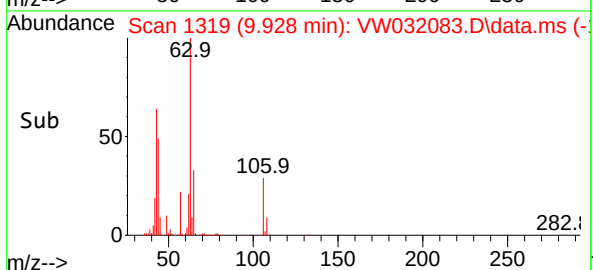
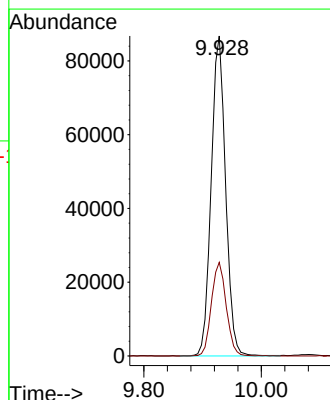
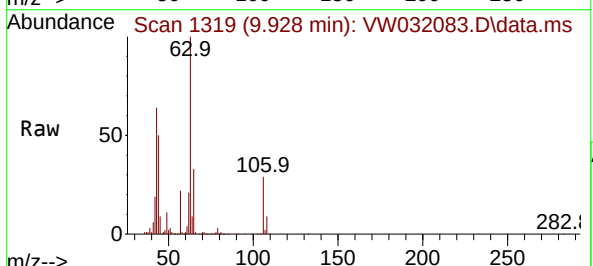
Acq: 14 Aug 2025 10:58

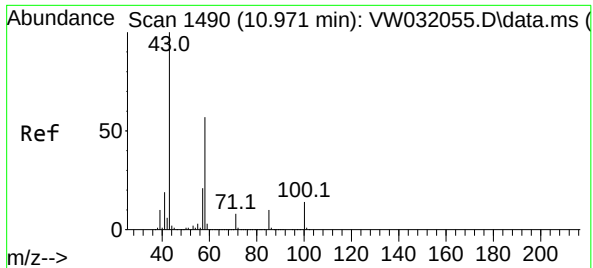
Tgt Ion: 63 Resp: 147647

Ion Ratio Lower Upper

63 100

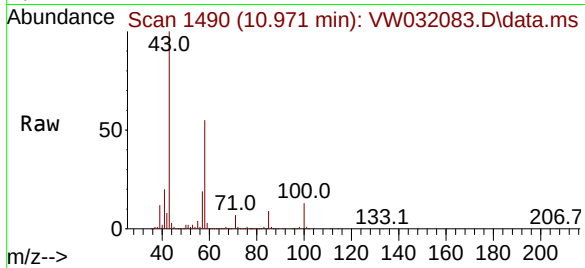
106 30.0 23.5 35.3





#59
2-Hexanone
Concen: 97.375 ug/l
RT: 10.971 min Scan# 1490
Delta R.T. -0.000 min
Lab File: VW032083.D
Acq: 14 Aug 2025 10:58

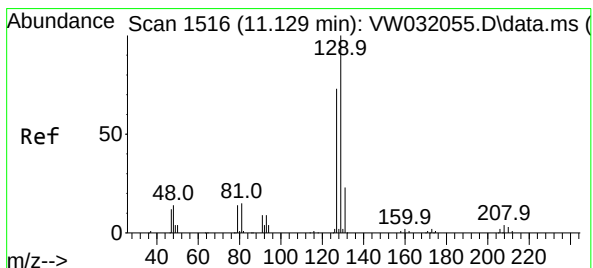
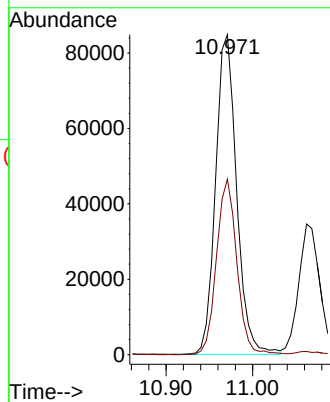
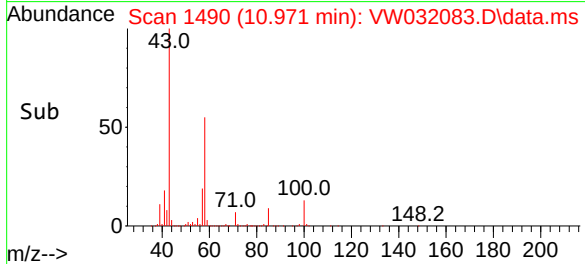
Instrument :
MSVOA_W
ClientSampleId :
VW0814SBS01



Tgt Ion: 43 Resp: 142720
Ion Ratio Lower Upper
43 100
58 53.4 28.3 85.0

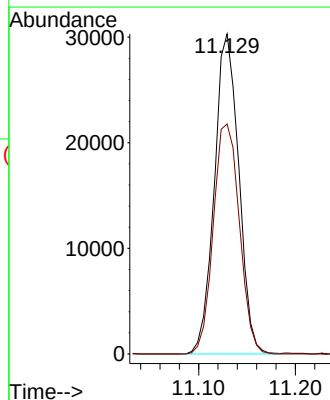
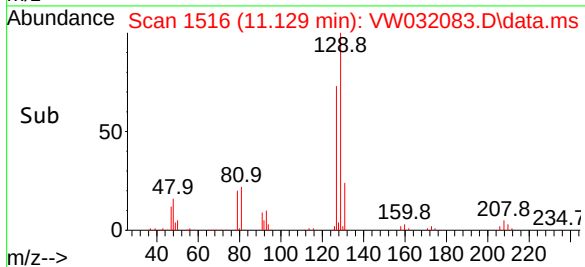
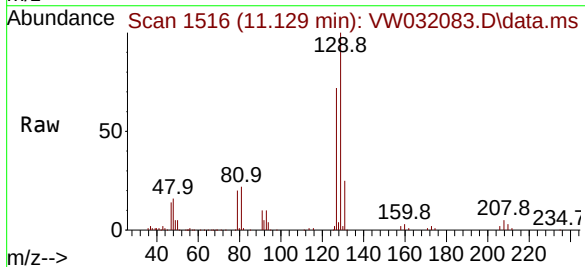
Manual Integrations
APPROVED

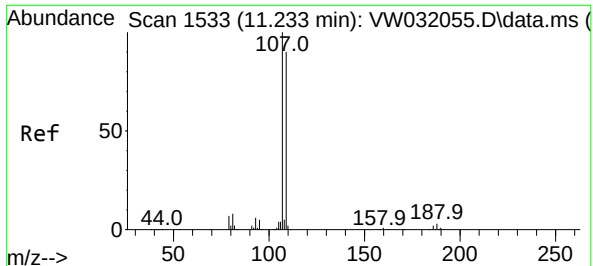
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025



#60
Dibromochloromethane
Concen: 20.855 ug/l
RT: 11.129 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VW032083.D
Acq: 14 Aug 2025 10:58

Tgt Ion:129 Resp: 53091
Ion Ratio Lower Upper
129 100
127 76.7 39.0 116.9





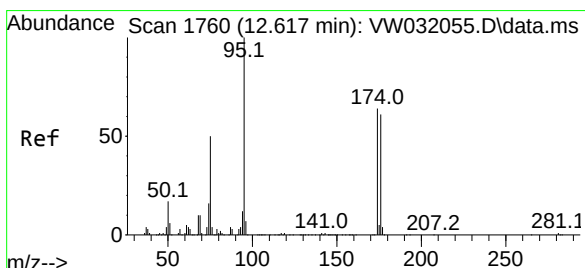
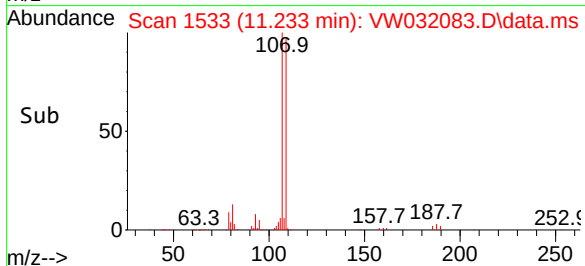
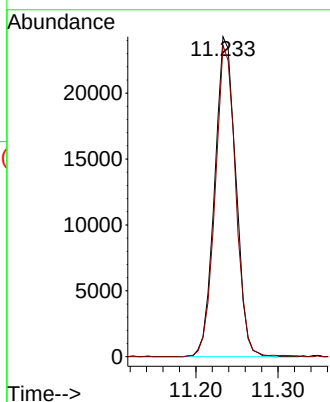
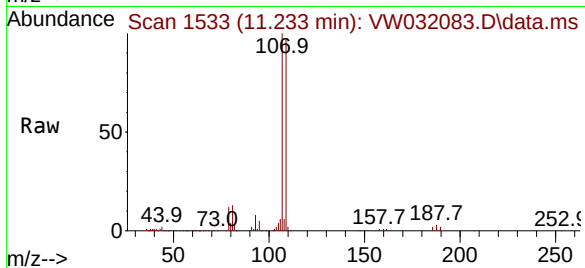
#61
1,2-Dibromoethane
Concen: 19.998 ug/l
RT: 11.233 min Scan# 1533
Delta R.T. -0.000 min
Lab File: VW032083.D
Acq: 14 Aug 2025 10:58

Instrument :
MSVOA_W
ClientSampleId :
VW0814SBS01

Tgt Ion: 107 Resp: 4331
Ion Ratio Lower Upper
107 100
109 95.0 74.2 111.4

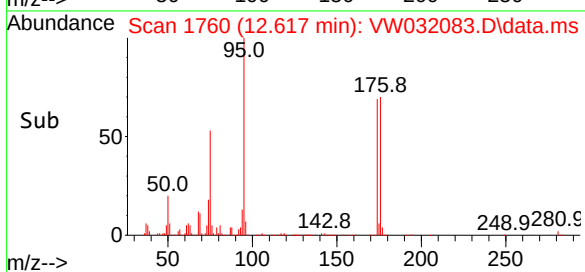
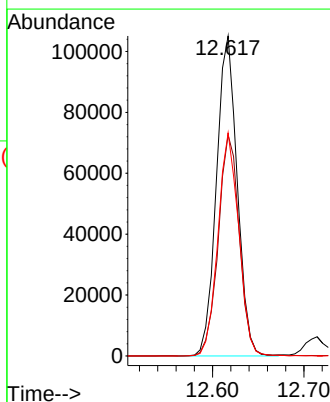
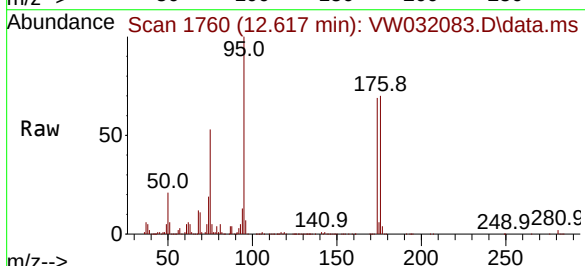
Manual Integrations
APPROVED

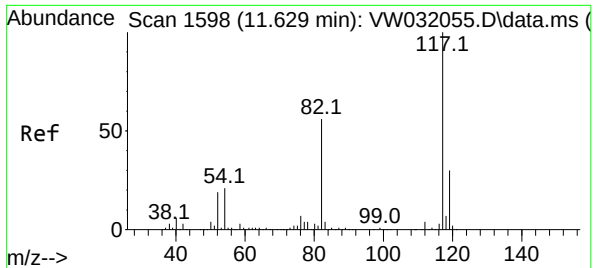
Reviewed By : Semsettin Yesilyurt 08/19/2025
Supervised By : Mahesh Dadoda 08/19/2025



#62
4-Bromofluorobenzene
Concen: 49.621 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032083.D
Acq: 14 Aug 2025 10:58

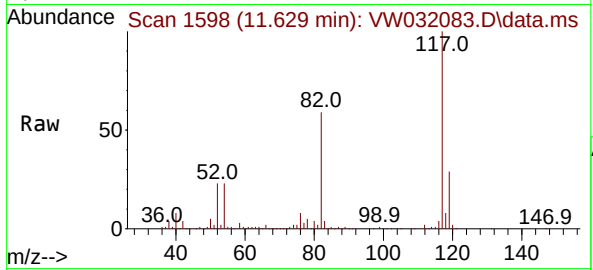
Tgt Ion: 95 Resp: 166018
Ion Ratio Lower Upper
95 100
174 69.7 0.0 129.0
176 69.9 0.0 124.6





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1159
Delta R.T. -0.000 min
Lab File: VW032083.D
Acq: 14 Aug 2025 10:58

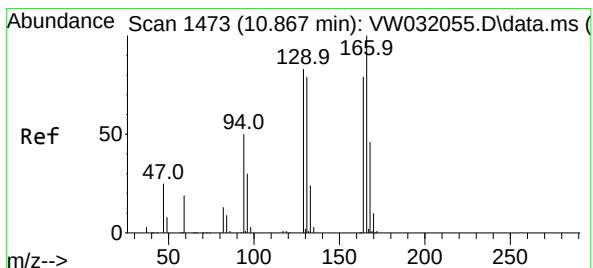
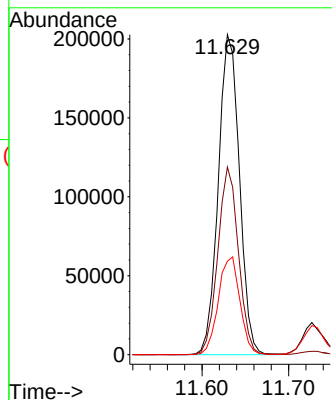
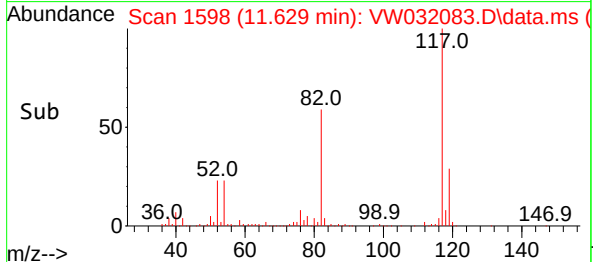
Instrument :
MSVOA_W
ClientSampleId :
VW0814SBS01



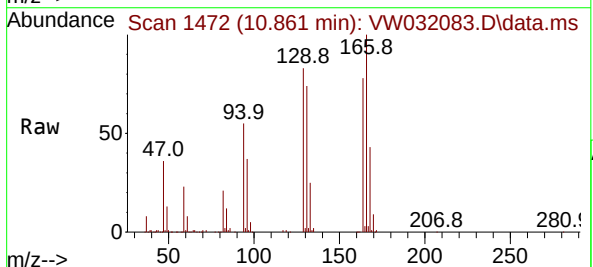
Tgt Ion:117 Resp: 343089
Ion Ratio Lower Upper
117 100
82 58.6 45.0 67.4
119 29.2 24.2 36.4

Manual Integrations
APPROVED

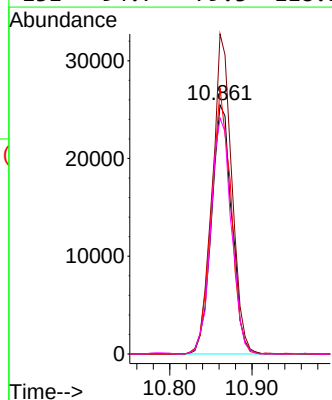
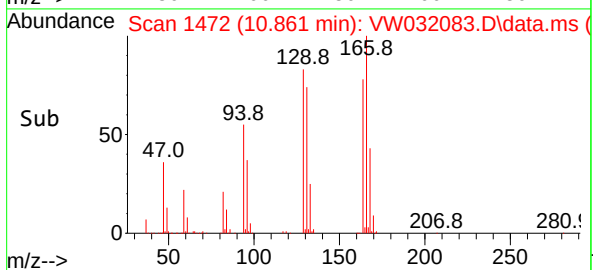
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025

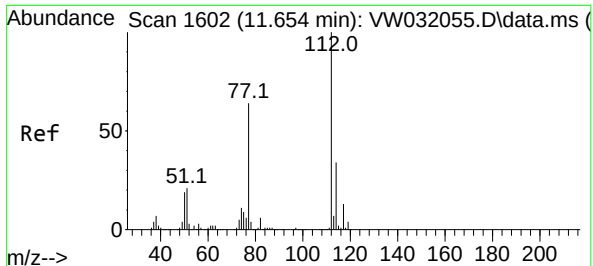


#64
Tetrachloroethene
Concen: 22.056 ug/l
RT: 10.861 min Scan# 1472
Delta R.T. -0.006 min
Lab File: VW032083.D
Acq: 14 Aug 2025 10:58



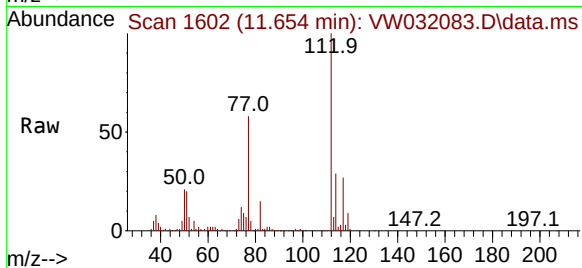
Tgt Ion:164 Resp: 43709
Ion Ratio Lower Upper
164 100
166 128.5 100.9 151.3
129 106.7 83.6 125.4
131 94.7 79.3 118.9





#65
Chlorobenzene
Concen: 20.880 ug/l
RT: 11.654 min Scan# 1100
Delta R.T. -0.000 min
Lab File: VW032083.D
Acq: 14 Aug 2025 10:58

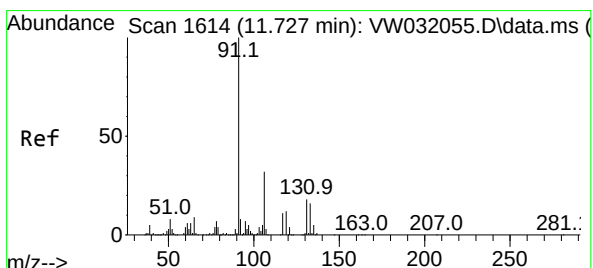
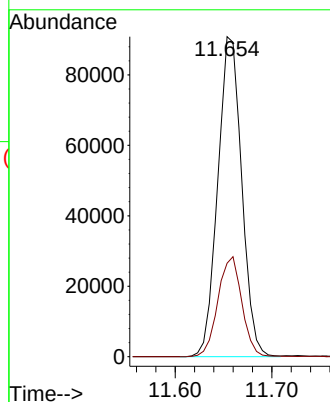
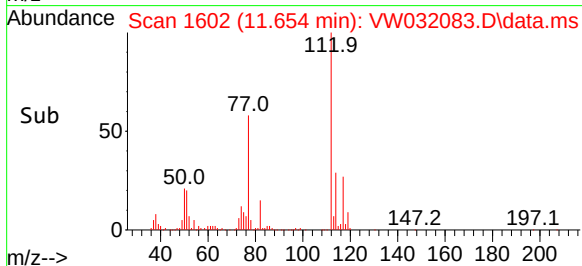
Instrument :
MSVOA_W
ClientSampleId :
VW0814SBS01



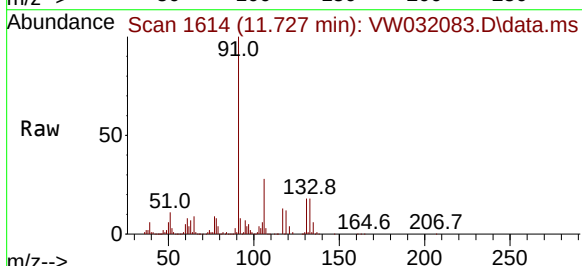
Tgt Ion:112 Resp: 155920
Ion Ratio Lower Upper
112 100
114 29.2 26.9 40.3

Manual Integrations
APPROVED

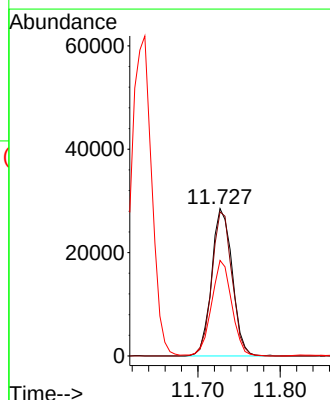
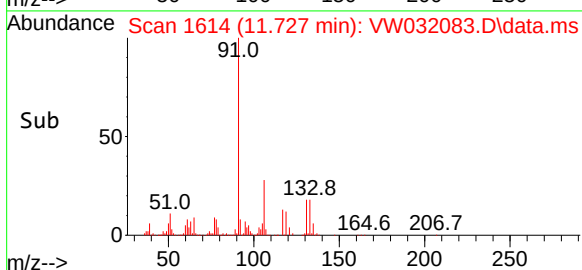
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025

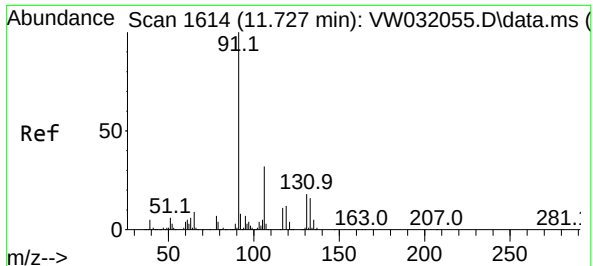


#66
1,1,1,2-Tetrachloroethane
Concen: 21.380 ug/l
RT: 11.727 min Scan# 1614
Delta R.T. -0.000 min
Lab File: VW032083.D
Acq: 14 Aug 2025 10:58



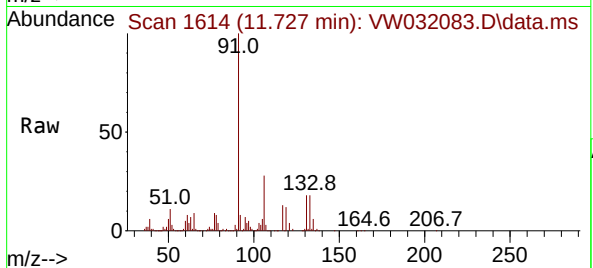
Tgt Ion:131 Resp: 49815
Ion Ratio Lower Upper
131 100
133 95.6 47.3 142.0
119 63.5 34.5 103.5





#67
Ethyl Benzene
Concen: 20.251 ug/l
RT: 11.727 min Scan# 1614
Delta R.T. -0.000 min
Lab File: VW032083.D
Acq: 14 Aug 2025 10:58

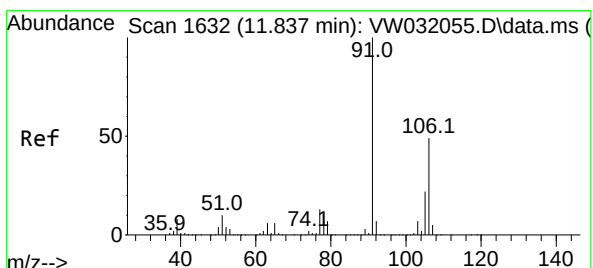
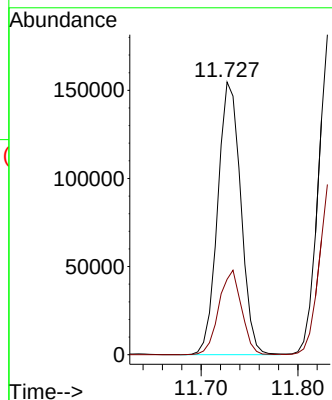
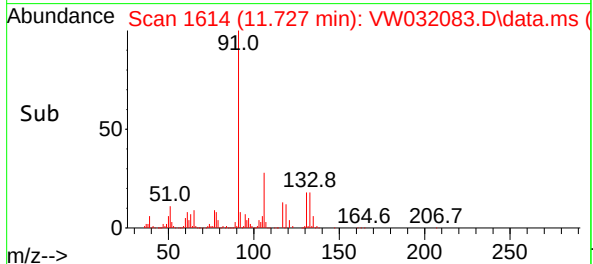
Instrument :
MSVOA_W
ClientSampleId :
VW0814SBS01



Tgt Ion: 91 Resp: 25616
Ion Ratio Lower Upper
91 100
106 27.6 25.4 38.0

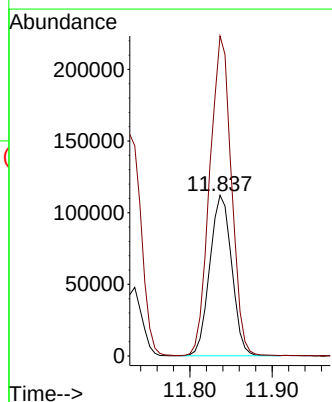
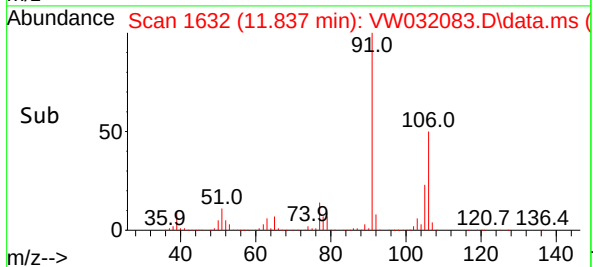
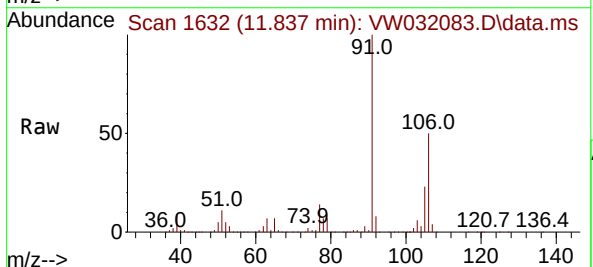
Manual Integrations
APPROVED

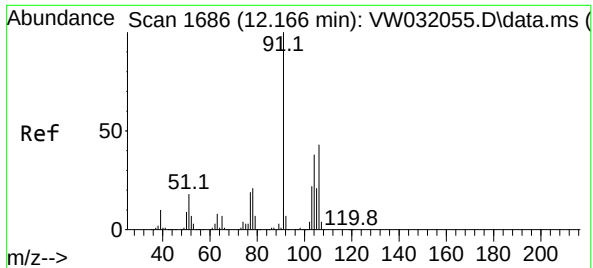
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025



#68
m/p-Xylenes
Concen: 42.582 ug/l
RT: 11.837 min Scan# 1632
Delta R.T. -0.000 min
Lab File: VW032083.D
Acq: 14 Aug 2025 10:58

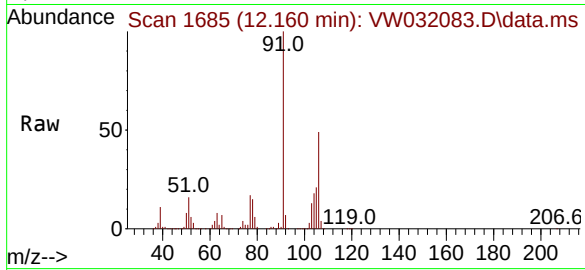
Tgt Ion:106 Resp: 207846
Ion Ratio Lower Upper
106 100
91 197.5 162.2 243.2





#69
o-Xylene
Concen: 21.160 ug/l
RT: 12.160 min Scan# 1686
Delta R.T. -0.006 min
Lab File: VW032083.D
Acq: 14 Aug 2025 10:58

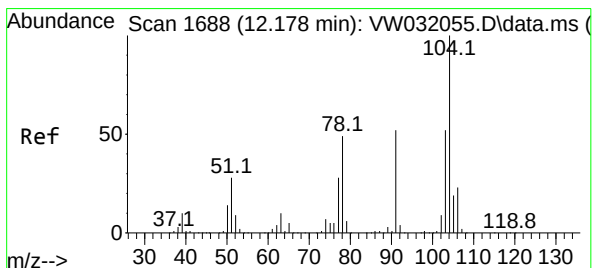
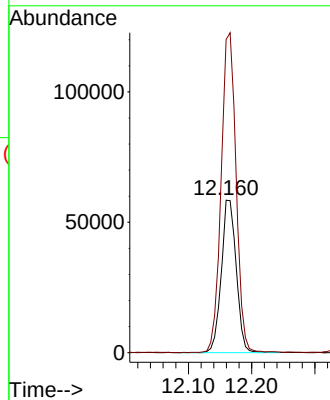
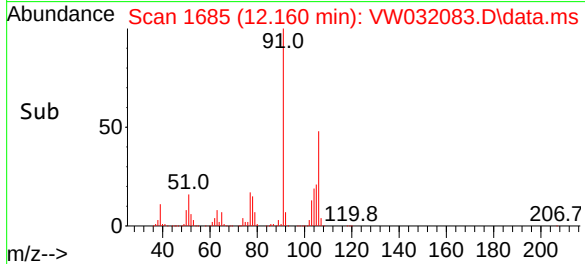
Instrument :
MSVOA_W
ClientSampleId :
VW0814SBS01



Tgt Ion:106 Resp: 95460
Ion Ratio Lower Upper
106 100
91 211.0 110.8 332.3

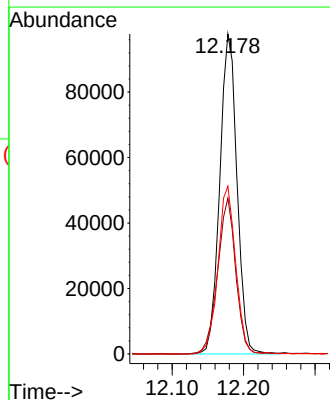
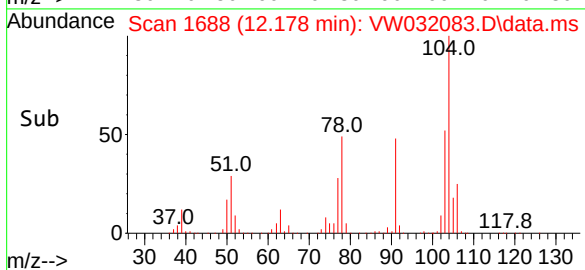
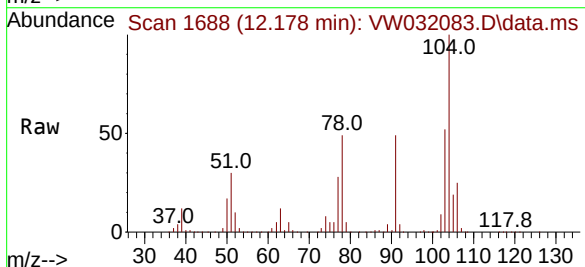
Manual Integrations
APPROVED

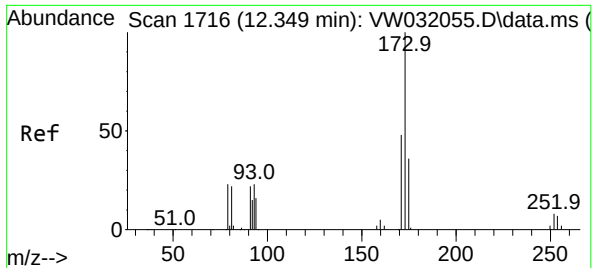
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025



#70
Styrene
Concen: 20.463 ug/l
RT: 12.178 min Scan# 1688
Delta R.T. -0.000 min
Lab File: VW032083.D
Acq: 14 Aug 2025 10:58

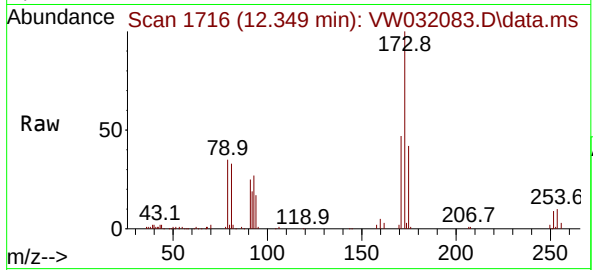
Tgt Ion:104 Resp: 163976
Ion Ratio Lower Upper
104 100
78 51.1 41.2 61.8
103 53.7 43.8 65.8





#71
Bromoform
Concen: 21.543 ug/l
RT: 12.349 min Scan# 1716
Delta R.T. -0.000 min
Lab File: VW032083.D
Acq: 14 Aug 2025 10:58

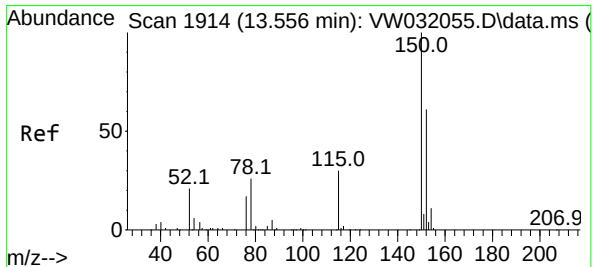
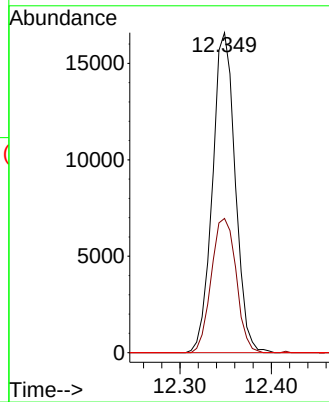
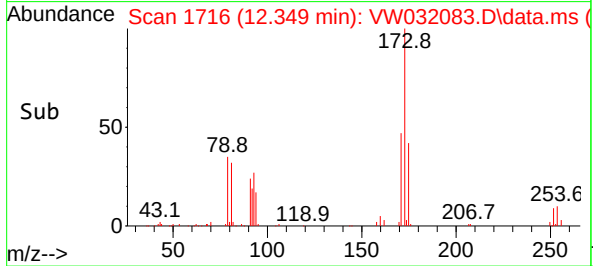
Instrument :
MSVOA_W
ClientSampleId :
VW0814SBS01



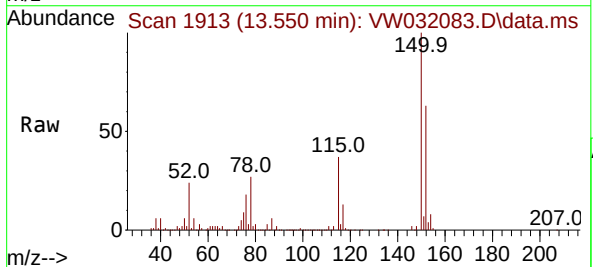
Tgt Ion:173 Resp: 2871
Ion Ratio Lower Upper
173 100
175 45.7 22.9 68.7
254 0.0 0.0 0.0

Manual Integrations
APPROVED

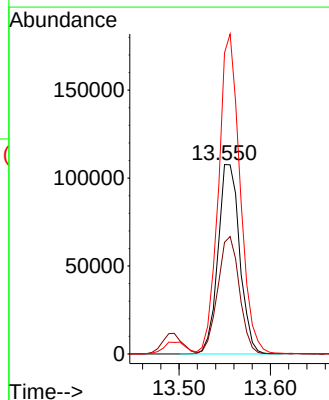
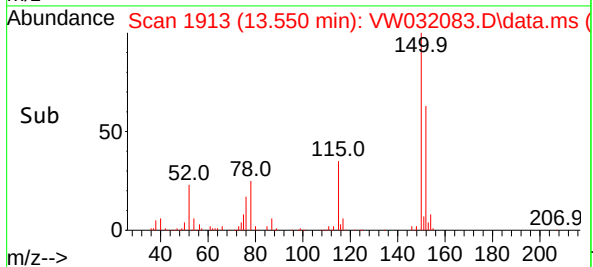
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025

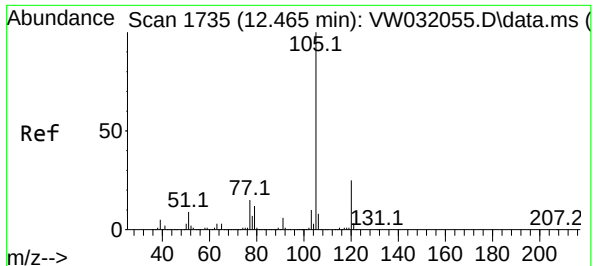


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.550 min Scan# 1913
Delta R.T. -0.006 min
Lab File: VW032083.D
Acq: 14 Aug 2025 10:58



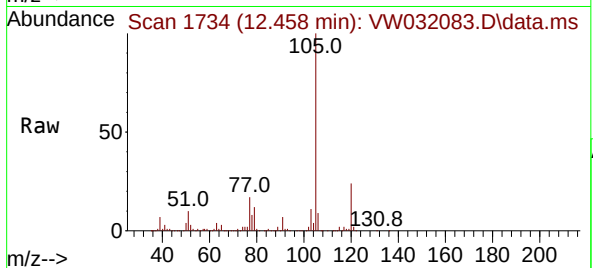
Tgt Ion:152 Resp: 177605
Ion Ratio Lower Upper
152 100
115 62.3 32.6 97.8
150 167.8 0.0 359.4





#73
Isopropylbenzene
Concen: 19.223 ug/l
RT: 12.458 min Scan# 1734
Delta R.T. -0.006 min
Lab File: VW032083.D
Acq: 14 Aug 2025 10:58

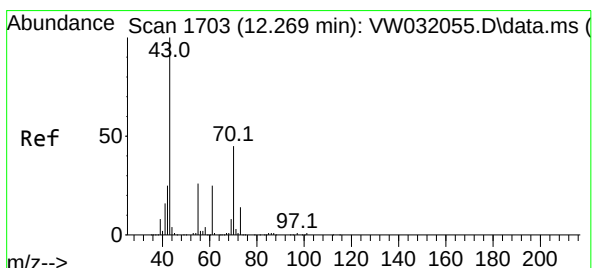
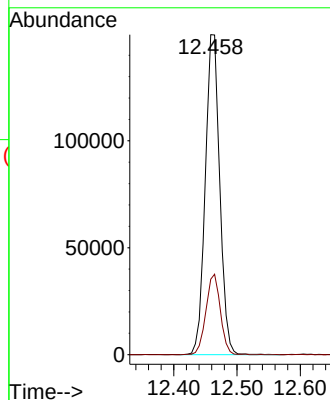
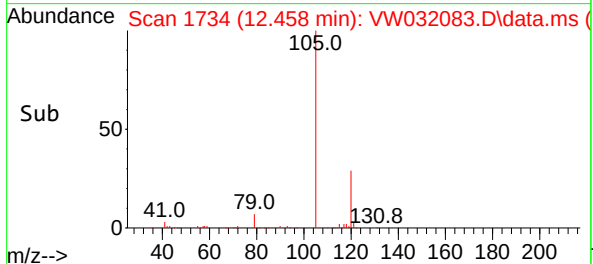
Instrument :
MSVOA_W
ClientSampleId :
VW0814SBS01



Tgt Ion: 105 Resp: 238599
Ion Ratio Lower Upper
105 100
120 25.1 12.8 38.4

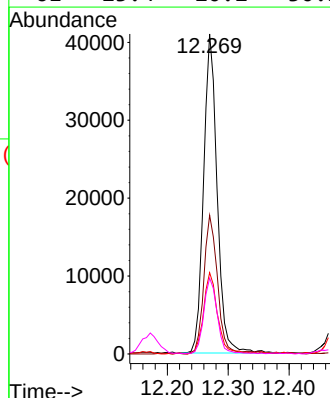
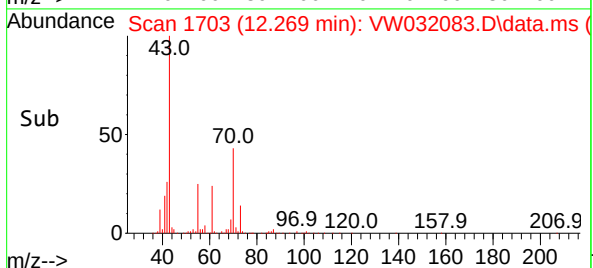
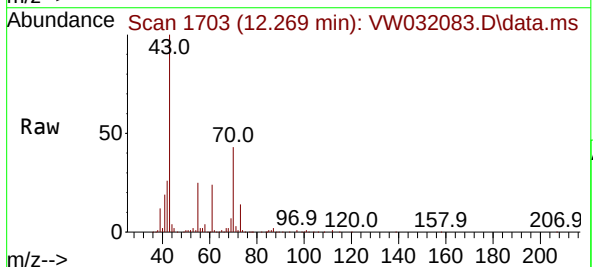
Manual Integrations
APPROVED

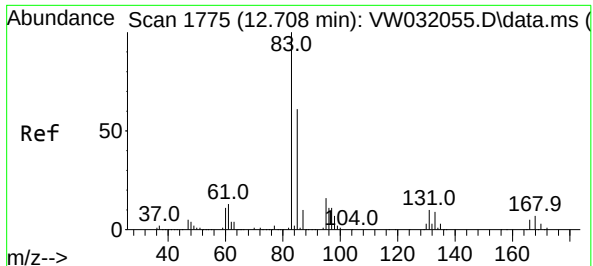
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025



#74
N-ethyl acetate
Concen: 17.822 ug/l
RT: 12.269 min Scan# 1703
Delta R.T. -0.000 min
Lab File: VW032083.D
Acq: 14 Aug 2025 10:58

Tgt Ion: 43 Resp: 63466
Ion Ratio Lower Upper
43 100
70 43.4 37.0 55.4
55 26.4 21.1 31.7
61 23.4 20.2 30.2





#75

1,1,2,2-Tetrachloroethane

Concen: 18.959 ug/l

RT: 12.714 min Scan# 1775

Delta R.T. 0.006 min

Lab File: VW032083.D

Acq: 14 Aug 2025 10:58

Instrument :

MSVOA_W

ClientSampleId :

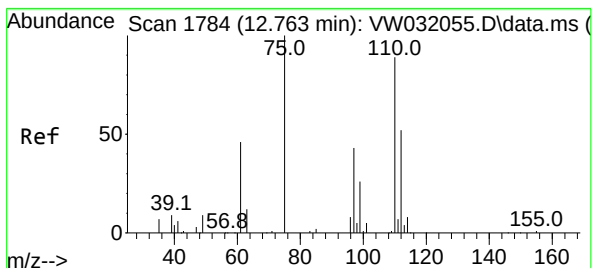
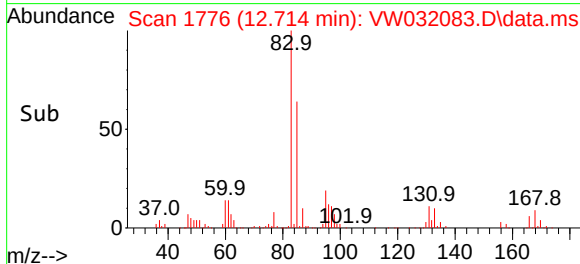
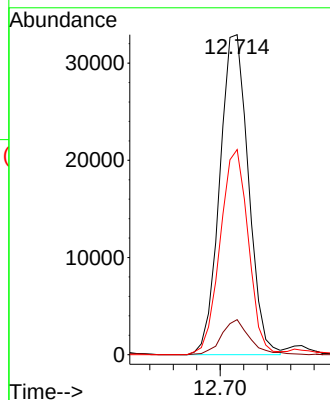
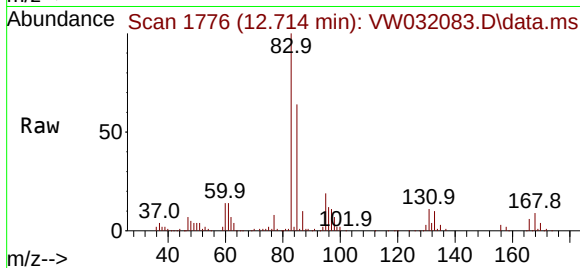
VW0814SBS01

Tgt Ion:	83	Resp:	5587
Ion Ratio	Lower	Upper	
83	100		
131	10.8	5.1	15.4
85	63.0	32.2	96.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025



#76

1,2,3-Trichloropropane

Concen: 19.315 ug/l m

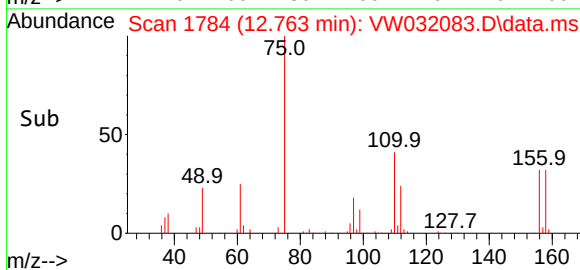
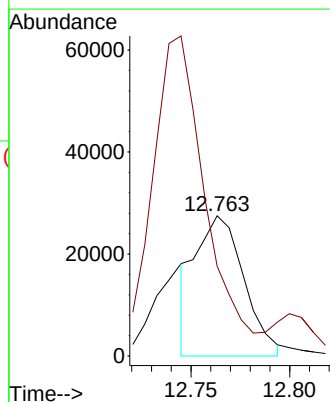
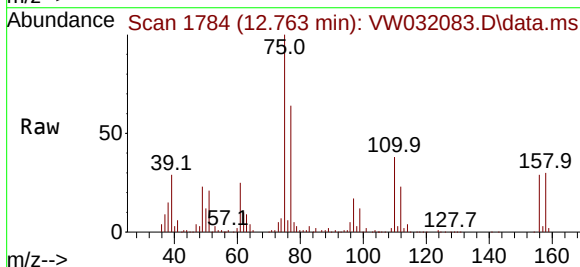
RT: 12.763 min Scan# 1784

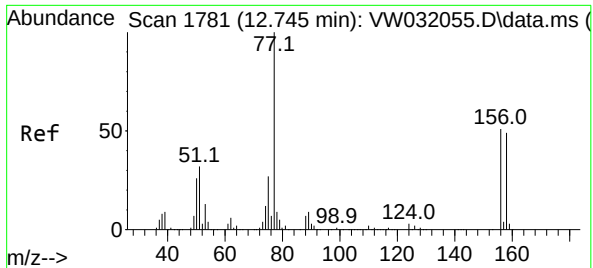
Delta R.T. -0.000 min

Lab File: VW032083.D

Acq: 14 Aug 2025 10:58

Tgt Ion:	75	Resp:	46559
Ion Ratio	Lower	Upper	
75	100		
77	251.9	123.5	370.5





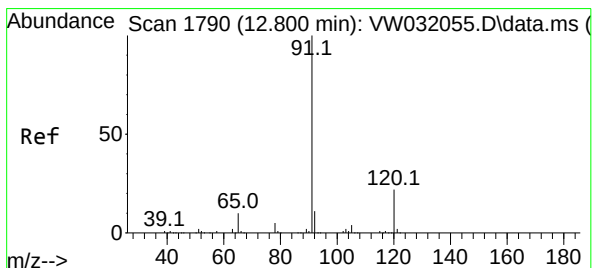
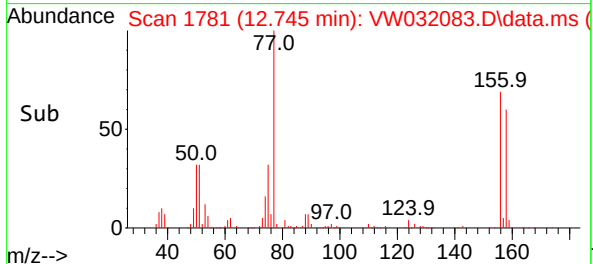
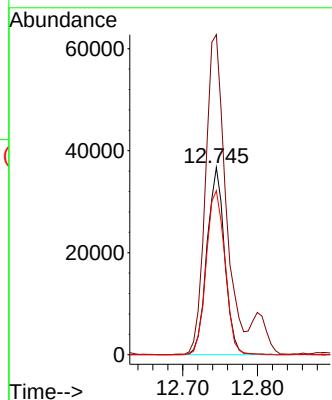
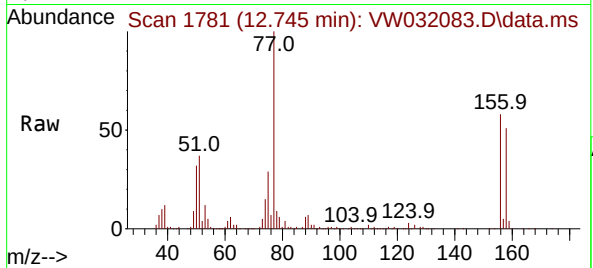
#77
Bromobenzene
Concen: 20.310 ug/l
RT: 12.745 min Scan# 1781
Delta R.T. -0.000 min
Lab File: VW032083.D
Acq: 14 Aug 2025 10:58

Instrument :
MSVOA_W
ClientSampleId :
VW0814SBS01

Tgt Ion:156 Resp: 60209
Ion Ratio Lower Upper
156 100
77 194.8 108.7 326.3
158 93.1 48.3 144.9

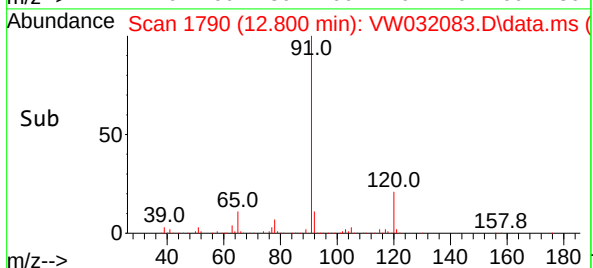
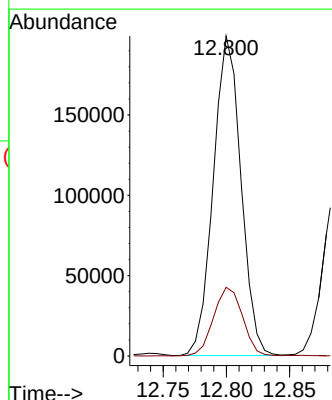
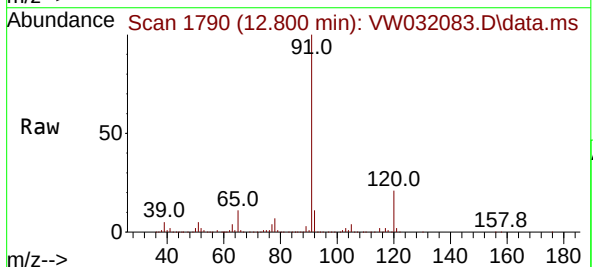
Manual Integrations
APPROVED

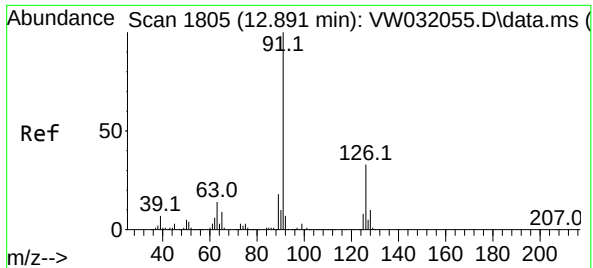
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025



#78
n-propylbenzene
Concen: 19.766 ug/l
RT: 12.800 min Scan# 1790
Delta R.T. -0.000 min
Lab File: VW032083.D
Acq: 14 Aug 2025 10:58

Tgt Ion: 91 Resp: 302042
Ion Ratio Lower Upper
91 100
120 22.5 11.1 33.3





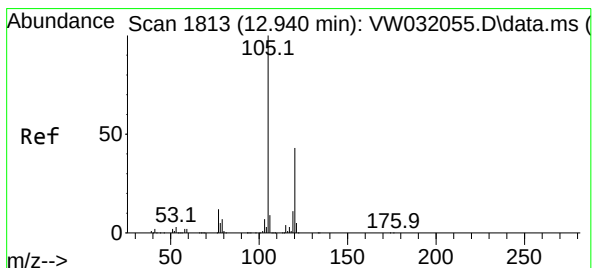
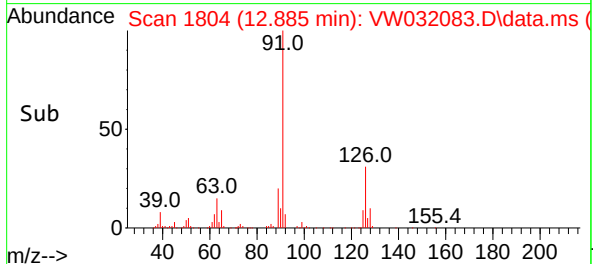
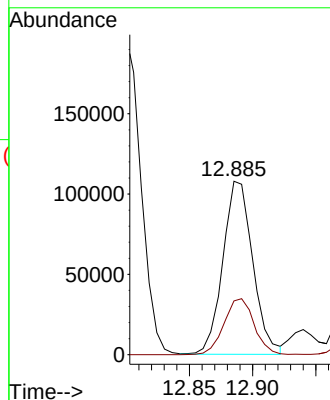
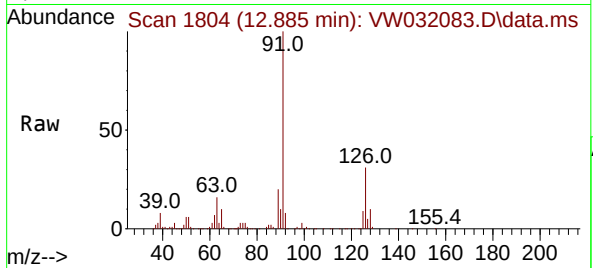
#79
2-Chlorotoluene
Concen: 18.805 ug/l
RT: 12.885 min Scan# 1804
Delta R.T. -0.006 min
Lab File: VW032083.D
Acq: 14 Aug 2025 10:58

Instrument :
MSVOA_W
ClientSampleId :
VW0814SBS01

Tgt Ion: 91 Resp: 177350
Ion Ratio Lower Upper
91 100
126 32.7 15.9 47.7

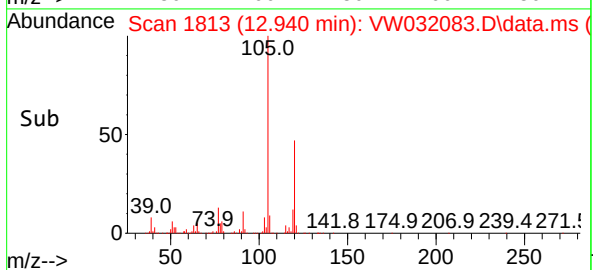
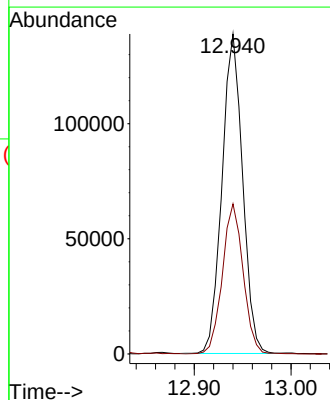
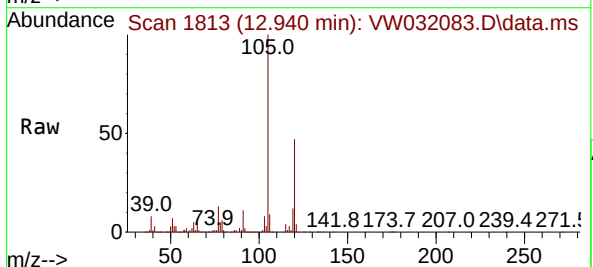
Manual Integrations
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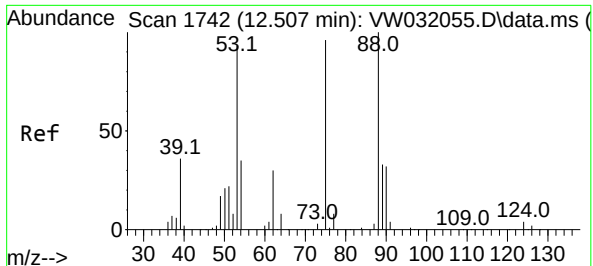
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025



#80
1,3,5-Trimethylbenzene
Concen: 19.461 ug/l
RT: 12.940 min Scan# 1813
Delta R.T. -0.000 min
Lab File: VW032083.D
Acq: 14 Aug 2025 10:58

Tgt Ion:105 Resp: 205070
Ion Ratio Lower Upper
105 100
120 47.4 23.4 70.0





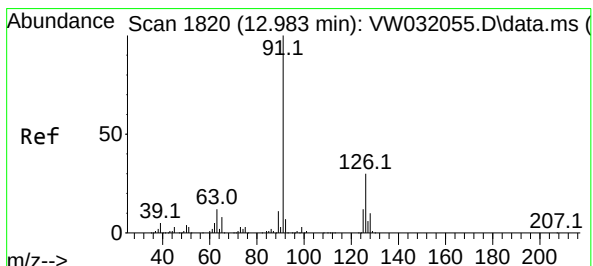
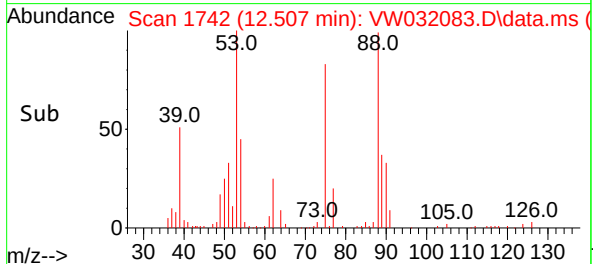
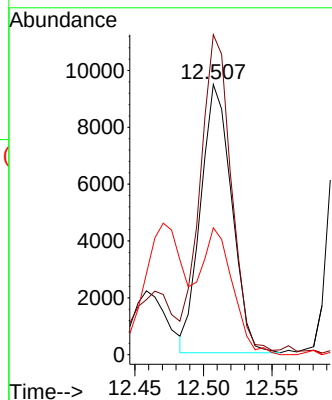
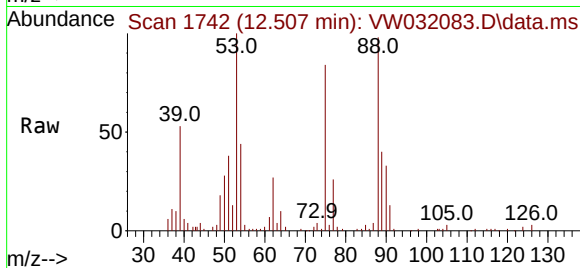
#81
trans-1,4-Dichloro-2-butene
Concen: 15.953 ug/l
RT: 12.507 min Scan# 1742
Delta R.T. -0.000 min
Lab File: VW032083.D
Acq: 14 Aug 2025 10:58

Instrument :
MSVOA_W
ClientSampleId :
VW0814SBS01

Tgt Ion	Ratio	Lower	Upper
75	100		
53	116.8	81.0	121.6
89	49.6	37.3	55.9

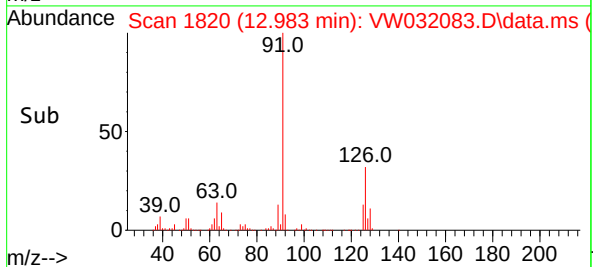
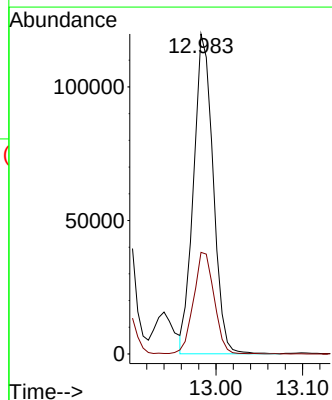
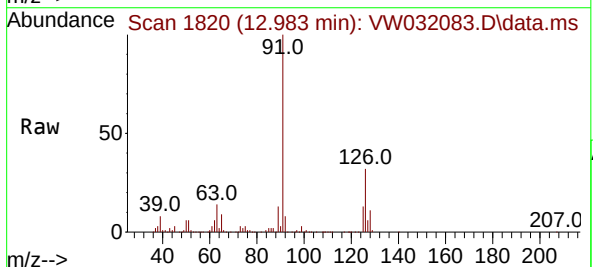
Manual Integrations
APPROVED

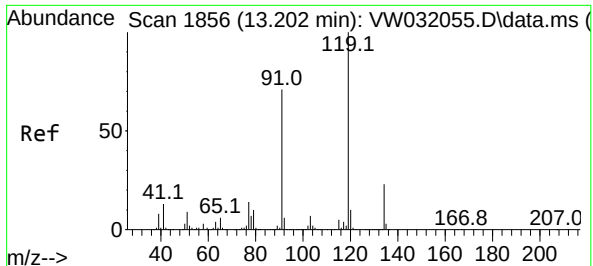
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025



#82
4-Chlorotoluene
Concen: 18.722 ug/l
RT: 12.983 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VW032083.D
Acq: 14 Aug 2025 10:58

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.4	15.5	46.5





#83

tert-Butylbenzene

Concen: 19.459 ug/l

RT: 13.202 min Scan# 1856

Delta R.T. -0.000 min

Lab File: VW032083.D

Acq: 14 Aug 2025 10:58

Instrument :

MSVOA_W

ClientSampleId :

VW0814SBS01

Tgt Ion:119 Resp: 17017

Ion Ratio Lower Upper

119 100

91 69.3 35.3 105.9

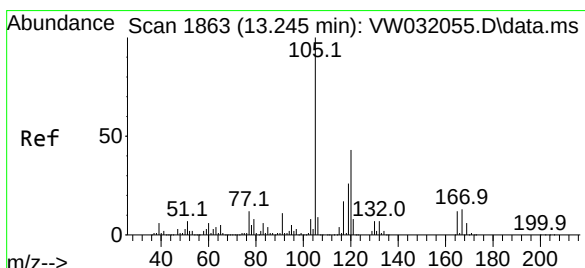
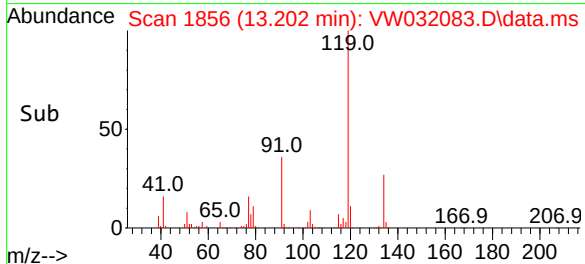
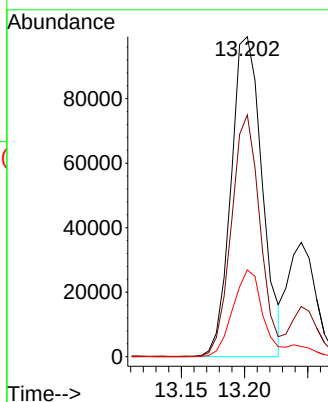
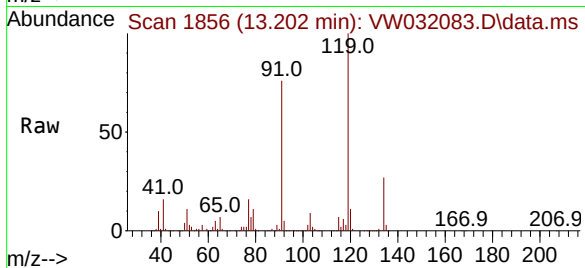
134 26.0 12.1 36.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/19/2025

Supervised By :Mahesh Dadoda 08/19/2025



#84

1,2,4-Trimethylbenzene

Concen: 19.825 ug/l

RT: 13.245 min Scan# 1863

Delta R.T. -0.000 min

Lab File: VW032083.D

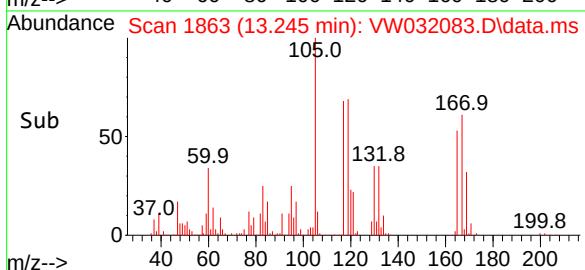
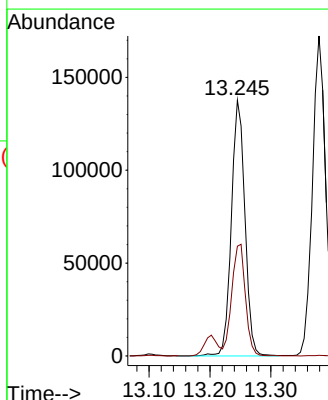
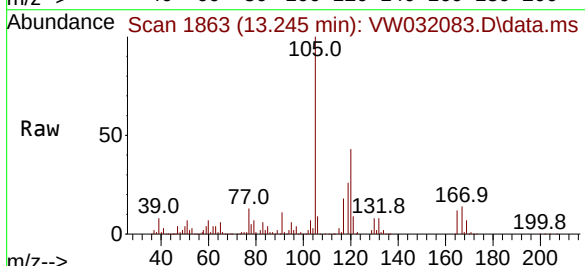
Acq: 14 Aug 2025 10:58

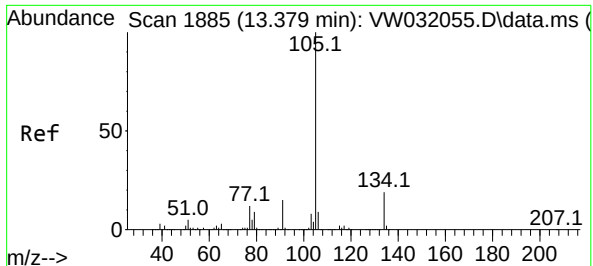
Tgt Ion:105 Resp: 212657

Ion Ratio Lower Upper

105 100

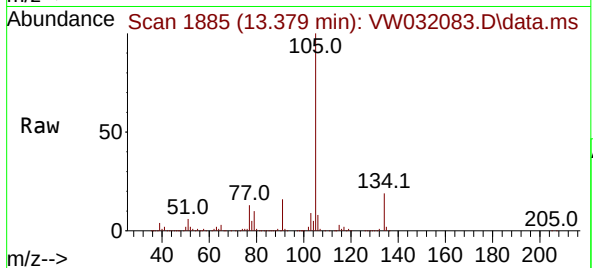
120 44.0 21.6 64.8





#85
sec-Butylbenzene
Concen: 19.547 ug/l
RT: 13.379 min Scan# 1885
Delta R.T. -0.000 min
Lab File: VW032083.D
Acq: 14 Aug 2025 10:58

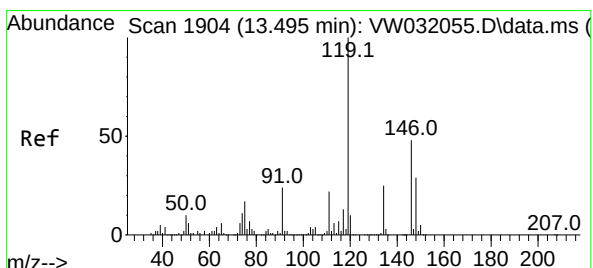
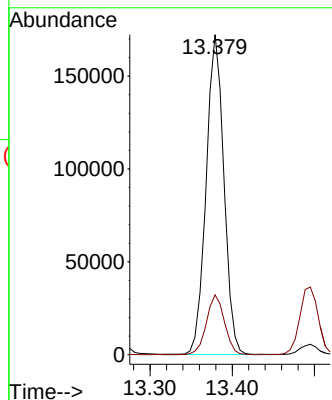
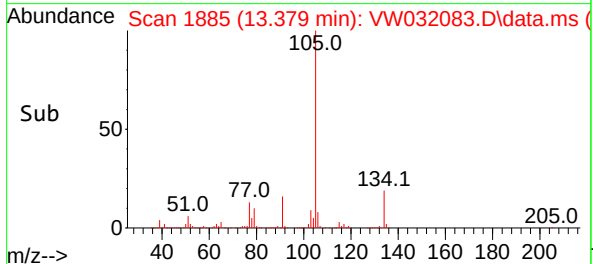
Instrument :
MSVOA_W
ClientSampleId :
VW0814SBS01



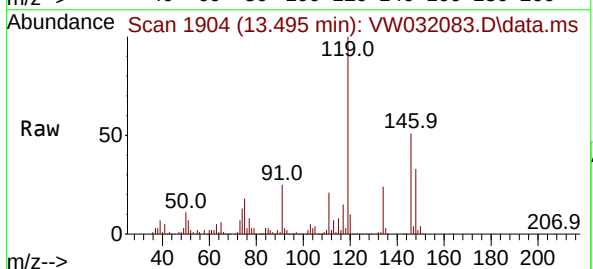
Tgt Ion:105 Resp: 258452
Ion Ratio Lower Upper
105 100
134 19.0 9.9 29.7

Manual Integrations
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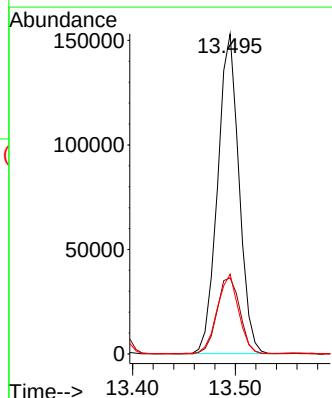
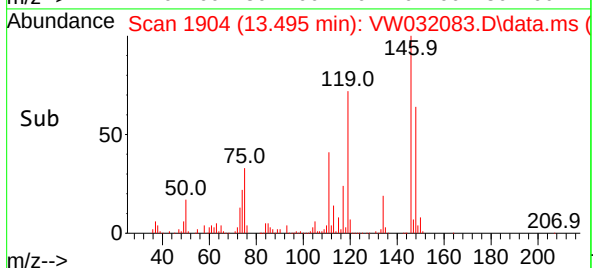
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025

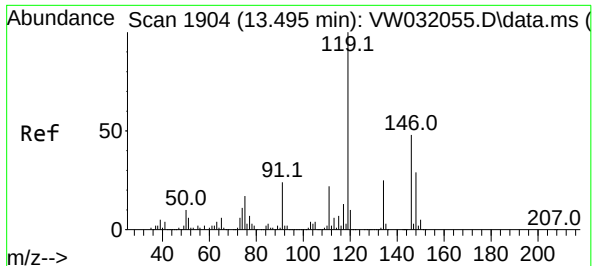


#86
p-Isopropyltoluene
Concen: 19.978 ug/l
RT: 13.495 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VW032083.D
Acq: 14 Aug 2025 10:58



Tgt Ion:119 Resp: 220215
Ion Ratio Lower Upper
119 100
134 25.8 12.4 37.0
91 25.0 12.1 36.3





#87

1,3-Dichlorobenzene

Concen: 21.202 ug/l

RT: 13.495 min Scan# 1904

Delta R.T. -0.000 min

Lab File: VW032083.D

Acq: 14 Aug 2025 10:58

Instrument :

MSVOA_W

ClientSampleId :

VW0814SBS01

Tgt Ion:146 Resp: 125068

Ion Ratio Lower Upper

146 100

111 40.5 21.2 63.6

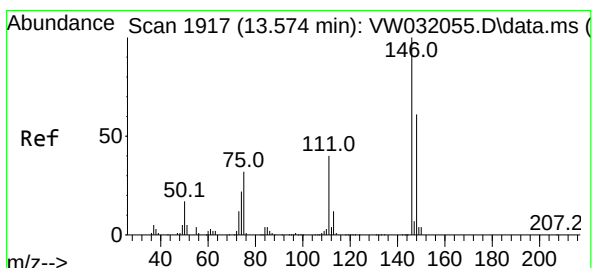
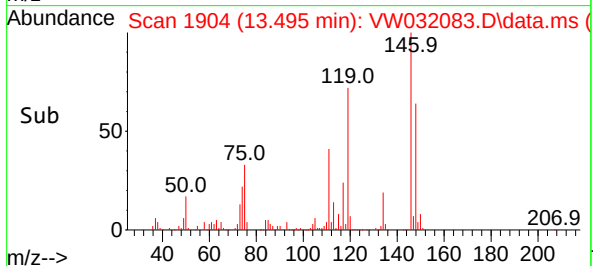
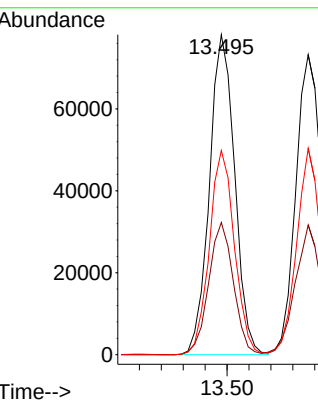
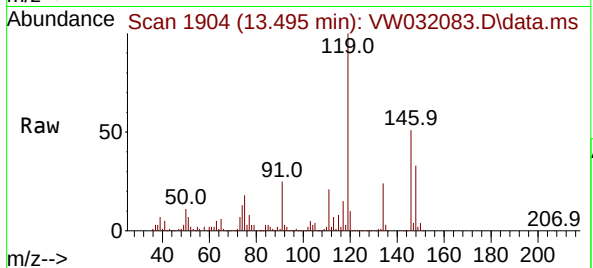
148 63.3 30.3 90.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/19/2025

Supervised By :Mahesh Dadoda 08/19/2025



#88

1,4-Dichlorobenzene

Concen: 20.094 ug/l

RT: 13.574 min Scan# 1917

Delta R.T. -0.000 min

Lab File: VW032083.D

Acq: 14 Aug 2025 10:58

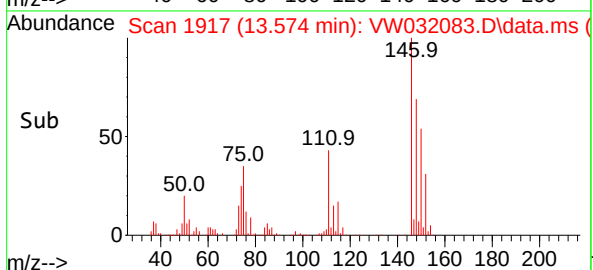
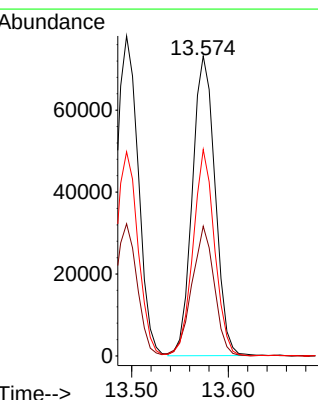
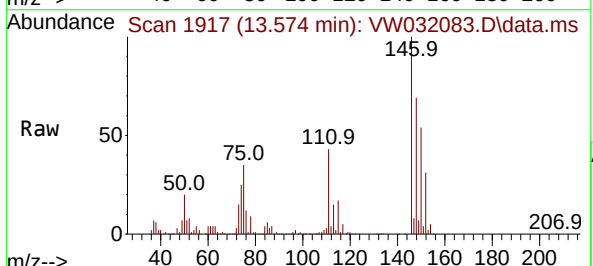
Tgt Ion:146 Resp: 119783

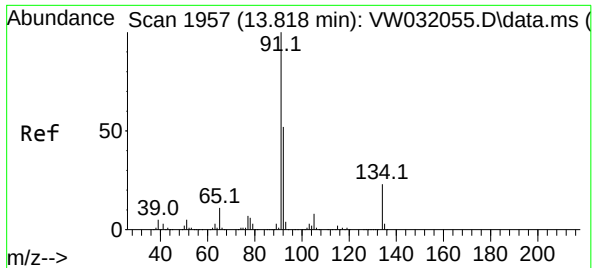
Ion Ratio Lower Upper

146 100

111 42.6 21.6 64.6

148 65.0 32.0 96.2





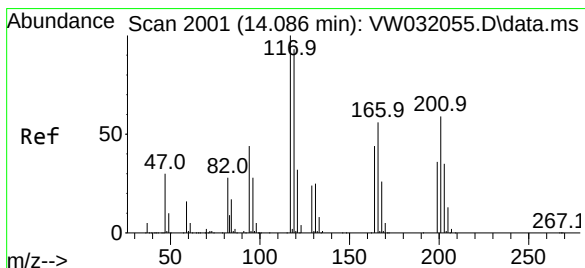
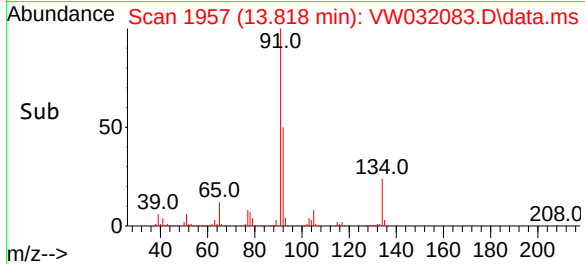
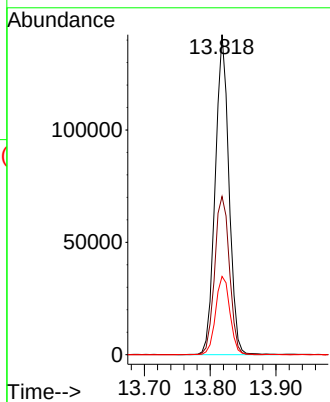
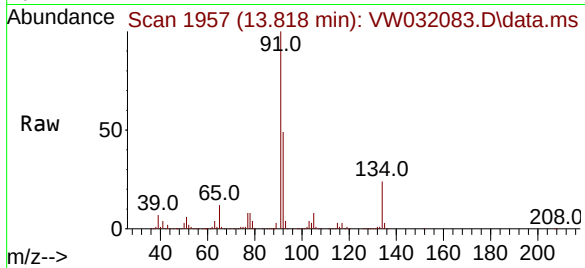
#89
n-Butylbenzene
Concen: 19.344 ug/l
RT: 13.818 min Scan# 1957
Delta R.T. -0.000 min
Lab File: VW032083.D
Acq: 14 Aug 2025 10:58

Instrument :
MSVOA_W
ClientSampleId :
VW0814SBS01

Tgt Ion:	91	Resp:	20714
Ion Ratio	Lower	Upper	
91	100		
92	53.1	26.7	80.1
134	25.5	12.0	36.1

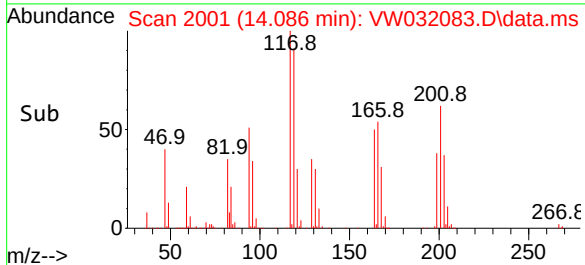
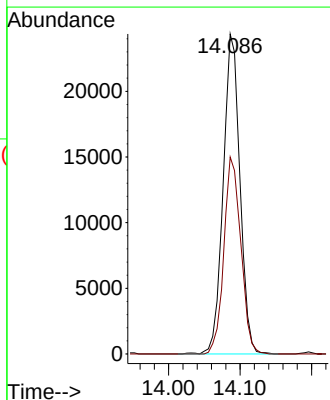
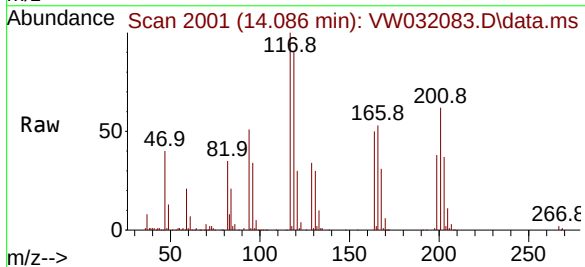
Manual Integrations
APPROVED

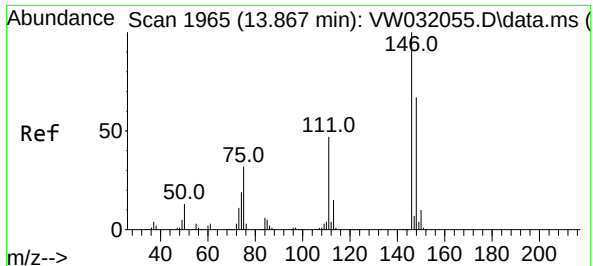
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025



#90
Hexachloroethane
Concen: 19.640 ug/l
RT: 14.086 min Scan# 2001
Delta R.T. -0.000 min
Lab File: VW032083.D
Acq: 14 Aug 2025 10:58

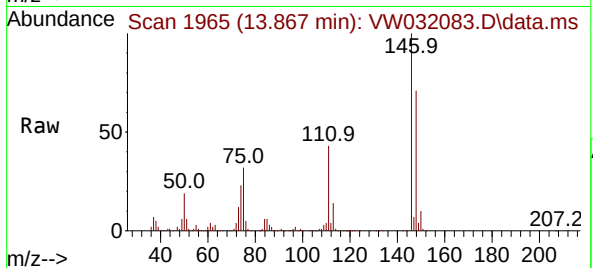
Tgt Ion:	117	Resp:	39591
Ion Ratio	Lower	Upper	
117	100		
201	62.3	30.9	92.5





#91
1,2-Dichlorobenzene
Concen: 20.266 ug/l
RT: 13.867 min Scan# 1965
Delta R.T. -0.000 min
Lab File: VW032083.D
Acq: 14 Aug 2025 10:58

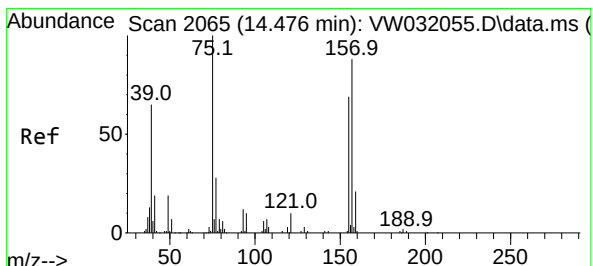
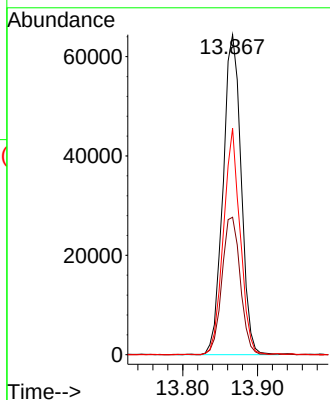
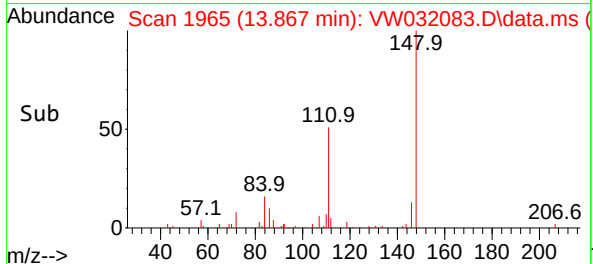
Instrument :
MSVOA_W
ClientSampleId :
VW0814SBS01



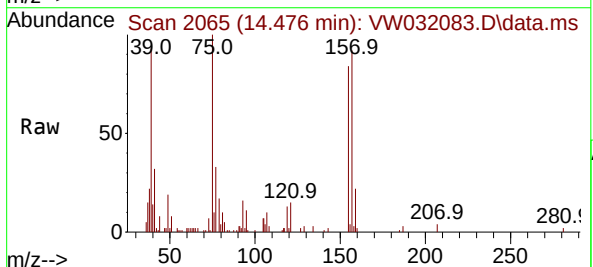
Tgt Ion:146 Resp: 108294
Ion Ratio Lower Upper
146 100
111 43.3 23.1 69.3
148 65.1 32.9 98.6

Manual Integrations
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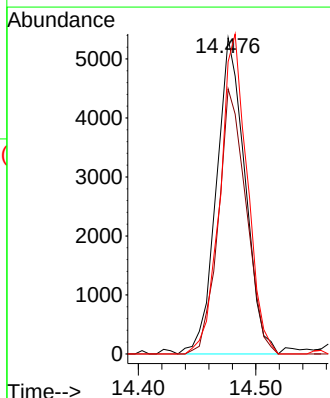
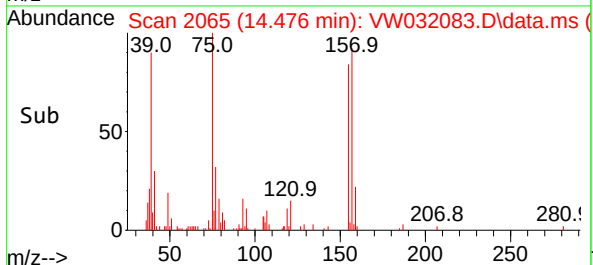
Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025

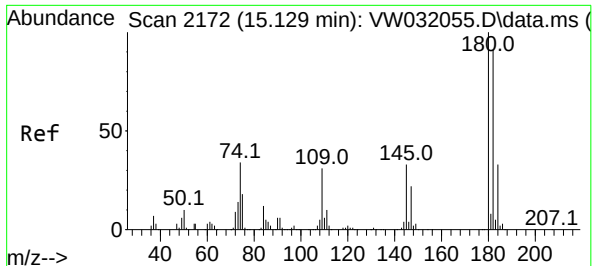


#92
1,2-Dibromo-3-Chloropropane
Concen: 17.310 ug/l
RT: 14.476 min Scan# 2065
Delta R.T. -0.000 min
Lab File: VW032083.D
Acq: 14 Aug 2025 10:58



Tgt Ion: 75 Resp: 9069
Ion Ratio Lower Upper
75 100
155 81.2 35.2 105.6
157 95.9 47.5 142.6





#93

1,2,4-Trichlorobenzene

Concen: 20.701 ug/l

RT: 15.129 min Scan# 2172

Delta R.T. -0.000 min

Lab File: VW032083.D

Acq: 14 Aug 2025 10:58

Instrument :

MSVOA_W

ClientSampleId :

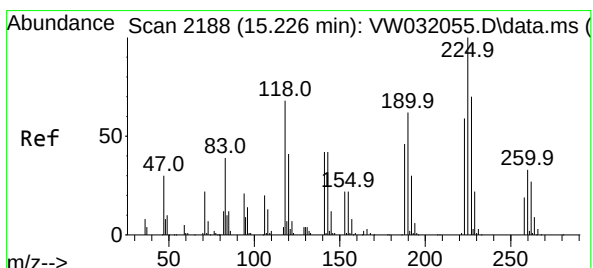
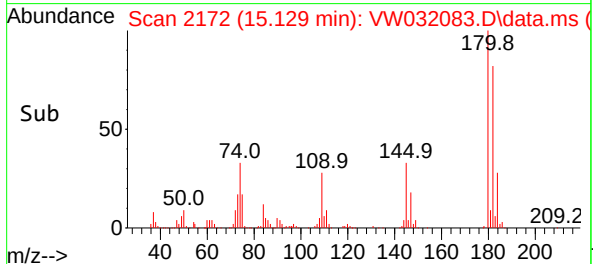
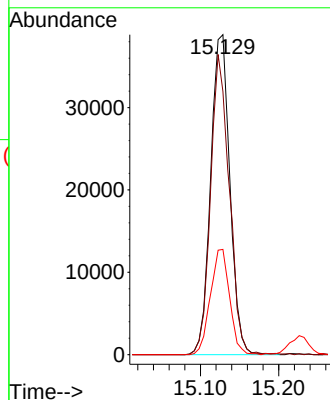
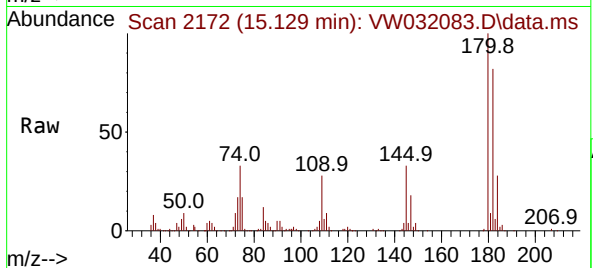
VW0814SBS01

Tgt Ion:	180	Resp:	6617
Ion Ratio	Lower	Upper	
180	100		
182	91.6	49.0	147.0
145	32.9	17.3	51.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025



#94

Hexachlorobutadiene

Concen: 21.148 ug/l

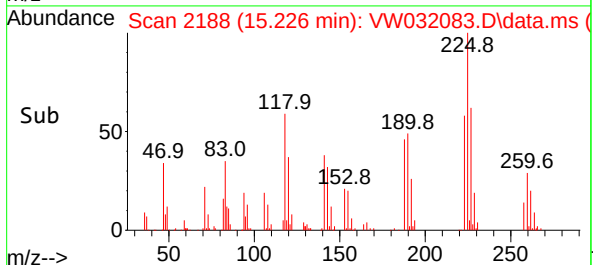
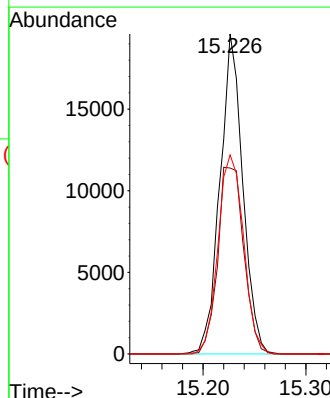
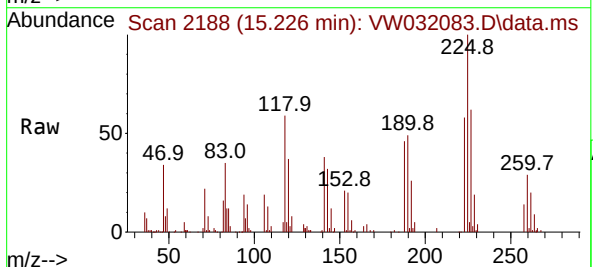
RT: 15.226 min Scan# 2188

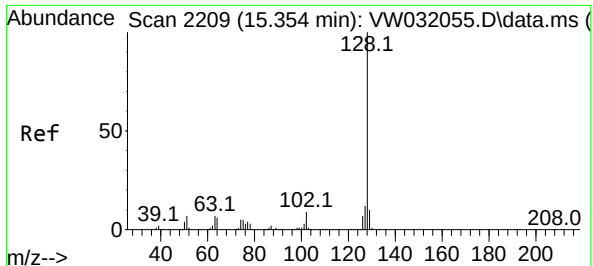
Delta R.T. -0.000 min

Lab File: VW032083.D

Acq: 14 Aug 2025 10:58

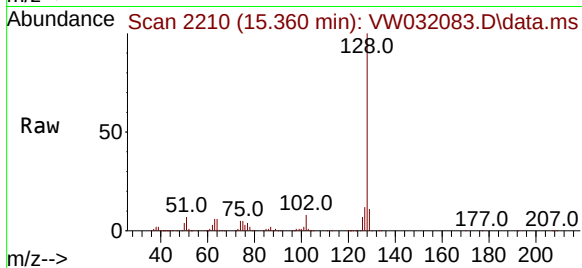
Tgt Ion:	225	Resp:	30219
Ion Ratio	Lower	Upper	
225	100		
223	67.0	31.8	95.3
227	69.4	33.5	100.5





#95
Naphthalene
Concen: 18.719 ug/l
RT: 15.360 min Scan# 2210
Delta R.T. 0.006 min
Lab File: VW032083.D
Acq: 14 Aug 2025 10:58

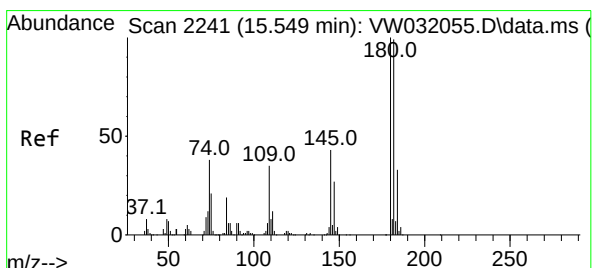
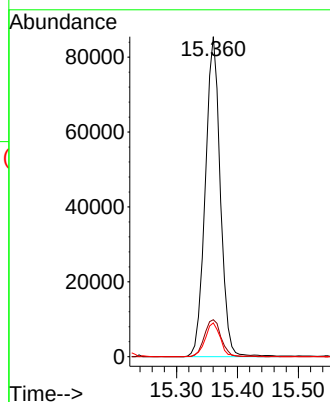
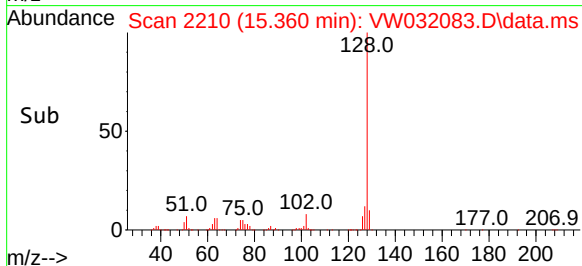
Instrument :
MSVOA_W
ClientSampleId :
VW0814SBSD01



Tgt Ion:128 Resp: 14661
Ion Ratio Lower Upper
128 100
127 12.8 10.5 15.7
129 10.7 8.2 12.4

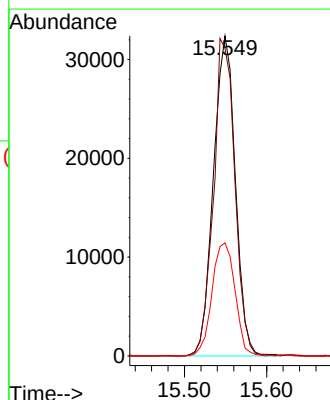
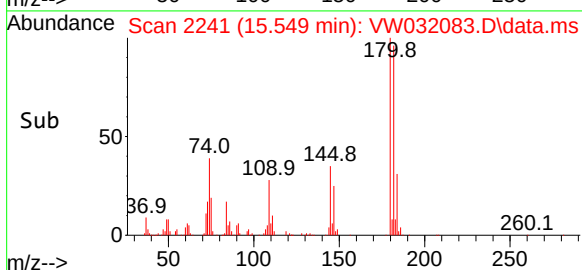
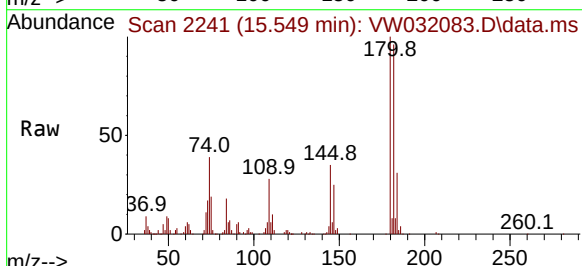
Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025



#96
1,2,3-Trichlorobenzene
Concen: 20.574 ug/l
RT: 15.549 min Scan# 2241
Delta R.T. -0.000 min
Lab File: VW032083.D
Acq: 14 Aug 2025 10:58

Tgt Ion:180 Resp: 59840
Ion Ratio Lower Upper
180 100
182 97.2 46.0 138.0
145 37.2 19.2 57.6



Manual Integration Report

Sequence:	vw081125	Instrument	MSVOA_w
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC005	VW032052.D	1,2,3-Trichloropropane	MMDadod a	8/12/2025 1:11:01 PM	SAM	8/12/2025 1:13:53 PM	Peak Integrated by Software
VSTDICC010	VW032053.D	1,2,3-Trichloropropane	MMDadod a	8/12/2025 1:10:59 PM	SAM	8/12/2025 1:13:55 PM	Peak Integrated by Software
VSTDICC020	VW032054.D	1,2,3-Trichloropropane	MMDadod a	8/12/2025 1:10:56 PM	SAM	8/12/2025 1:13:56 PM	Peak Integrated by Software
VSTDICCC050	VW032055.D	1,2,3-Trichloropropane	MMDadod a	8/12/2025 1:10:54 PM	SAM	8/12/2025 1:13:57 PM	Peak Integrated by Software
VSTDICC100	VW032056.D	1,2,3-Trichloropropane	MMDadod a	8/12/2025 1:10:53 PM	SAM	8/12/2025 1:13:59 PM	Peak Integrated by Software
VSTDICC150	VW032057.D	1,2,3-Trichloropropane	MMDadod a	8/12/2025 1:10:51 PM	SAM	8/12/2025 1:14:01 PM	Peak Integrated by Software
VSTDICV050	VW032059.D	1,2,3-Trichloropropane	MMDadod a	8/12/2025 1:10:49 PM	SAM	8/12/2025 1:14:02 PM	Peak Integrated by Software
VSTDCCC050	VW032078.D	1,2,3-Trichloropropane	MMDadod a	8/12/2025 1:10:44 PM	SAM	8/12/2025 1:14:07 PM	Peak Integrated by Software

Manual Integration Report

Sequence:	VW081425	Instrument	MSVOA_w
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VW032080.D	1,2,3-Trichloropropane	SAM	8/19/2025 4:18:51 AM	MMDadoda	8/19/2025 4:23:30 AM	Peak Integrated by Software
VSTDCCC050	VW032080.D	Methacrylonitrile	SAM	8/19/2025 4:18:51 AM	MMDadoda	8/19/2025 4:23:30 AM	Peak Integrated by Software
VW0814SBS01	VW032082.D	1,2,3-Trichloropropane	SAM	8/19/2025 4:18:56 AM	MMDadoda	8/19/2025 4:23:33 AM	Peak Integrated by Software
VW0814SBSD01	VW032083.D	1,2,3-Trichloropropane	SAM	8/19/2025 4:19:00 AM	MMDadoda	8/19/2025 4:23:35 AM	Peak Integrated by Software
Q2820-02	VW032085.D	Methylene Chloride	SAM	8/19/2025 4:19:05 AM	MMDadoda	8/19/2025 4:23:39 AM	Peak Integrated by Software
VSTDCCC050	VW032105.D	1,2,3-Trichloropropane	SAM	8/19/2025 4:19:13 AM	MMDadoda	8/19/2025 4:23:45 AM	Peak Integrated by Software

Manual Integration Report

Sequence:	VY081225	Instrument	MSVOA_y
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC005	VY023050.D	1,2,3-Trichloropropane	MMDadoda	8/14/2025 7:33:57 PM	SAM	8/14/2025 7:43:56 PM	Peak Integrated by Software
VSTDICC005	VY023050.D	Methacrylonitrile	MMDadoda	8/14/2025 7:33:57 PM	SAM	8/14/2025 7:43:56 PM	Peak Integrated by Software
VSTDICC010	VY023051.D	1,2,3-Trichloropropane	MMDadoda	8/14/2025 7:34:06 PM	SAM	8/14/2025 7:43:57 PM	Peak Integrated by Software
VSTDICC020	VY023052.D	1,2,3-Trichloropropane	MMDadoda	8/14/2025 7:34:08 PM	SAM	8/14/2025 7:43:59 PM	Peak Integrated by Software
VSTDICC020	VY023052.D	Methacrylonitrile	MMDadoda	8/14/2025 7:34:08 PM	SAM	8/14/2025 7:43:59 PM	Peak Integrated by Software
VSTDICCC050	VY023053.D	1,2,3-Trichloropropane	MMDadoda	8/14/2025 7:34:10 PM	SAM	8/14/2025 7:44:00 PM	Peak Integrated by Software
VSTDICC100	VY023054.D	1,2,3-Trichloropropane	MMDadoda	8/14/2025 7:34:12 PM	SAM	8/14/2025 7:44:02 PM	Peak Integrated by Software
VSTDICC150	VY023055.D	1,2,3-Trichloropropane	MMDadoda	8/14/2025 7:34:15 PM	SAM	8/14/2025 7:44:04 PM	Peak Integrated by Software
VSTDICV050	VY023057.D	1,2,3-Trichloropropane	MMDadoda	8/14/2025 7:34:16 PM	SAM	8/14/2025 7:44:06 PM	Peak Integrated by Software

Manual Integration Report

Sequence:

VY081525

Instrument

MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VY023111.D	1,2,3-Trichloropropane	SAM	8/19/2025 4:19:46 AM	MMDadoda	8/19/2025 4:24:10 AM	Peak Integrated by Software
VSTDCCC050	VY023111.D	Methacrylonitrile	SAM	8/19/2025 4:19:46 AM	MMDadoda	8/19/2025 4:24:10 AM	Peak Integrated by Software
VY0815SBS01	VY023113.D	1,2,3-Trichloropropane	SAM	8/19/2025 4:19:47 AM	MMDadoda	8/19/2025 4:24:11 AM	Peak Integrated by Software
VSTDCCC050	VY023135.D	1,2,3-Trichloropropane	SAM	8/19/2025 4:19:49 AM	MMDadoda	8/19/2025 4:24:14 AM	Peak Integrated by Software

Manual Integration Report

Sequence:

vy081925

Instrument

MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VY023137.D	1,2,3-Trichloropropane	JOHN	8/20/2025 9:04:35 AM	MMDadoda	8/20/2025 9:12:29 AM	Peak Integrated by Software
VSTDCCC050	VY023137.D	Methacrylonitrile	JOHN	8/20/2025 9:04:35 AM	MMDadoda	8/20/2025 9:12:29 AM	Peak Integrated by Software
VY0819SBS01	VY023139.D	1,2,3-Trichloropropane	JOHN	8/20/2025 9:04:39 AM	MMDadoda	8/20/2025 9:12:33 AM	Peak Integrated by Software
VY0819SBS01	VY023139.D	Methacrylonitrile	JOHN	8/20/2025 9:04:39 AM	MMDadoda	8/20/2025 9:12:33 AM	Peak Integrated by Software
VSTDCCC050	VY023160.D	1,2,3-Trichloropropane	JOHN	8/20/2025 9:04:48 AM	MMDadoda	8/20/2025 9:12:40 AM	Peak Integrated by Software

Instrument ID: **MSVOA_W**

Daily Analysis Runlog For Sequence/QCBatch ID # VW081125

Review By	Maresh Dadoda	Review On	8/12/2025 1:11:21 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	8/12/2025 1:14:36 PM		
SubDirectory	VW081125	HP Acquire Method	MSVOA_W	HP Processing Method	82w081125s.m
STD. NAME	STD REF.#				
Tune/Reschk	VP135074				
Initial Calibration Stds	VP135075,VP135076,VP135077,VP135078,VP135079,VP135080				
CCC	VP135082				
Internal Standard/PEM	VP133934				
ICV/I.BLK	VP135081				
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

Sr #	Sampleld	Data File Name	Date-Time	Operator	Status
1	BFB	VW032051.D	11 Aug 2025 07:53	SY/MD	Ok
2	VSTDICC005	VW032052.D	11 Aug 2025 08:25	SY/MD	Ok,M
3	VSTDICC010	VW032053.D	11 Aug 2025 09:09	SY/MD	Ok,M
4	VSTDICC020	VW032054.D	11 Aug 2025 09:47	SY/MD	Ok,M
5	VSTDICCC050	VW032055.D	11 Aug 2025 10:09	SY/MD	Ok,M
6	VSTDICC100	VW032056.D	11 Aug 2025 10:46	SY/MD	Ok,M
7	VSTDICC150	VW032057.D	11 Aug 2025 11:08	SY/MD	Ok,M
8	VIBLK	VW032058.D	11 Aug 2025 11:30	SY/MD	Ok
9	VSTDICV050	VW032059.D	11 Aug 2025 11:51	SY/MD	Ok,M
10	VW0811SBL01	VW032060.D	11 Aug 2025 12:18	SY/MD	Ok
11	VW0811SBS01	VW032061.D	11 Aug 2025 12:48	SY/MD	Ok,M
12	VW0811SBSD01	VW032062.D	11 Aug 2025 13:10	SY/MD	Ok,M
13	Q2807-01	VW032063.D	11 Aug 2025 14:00	SY/MD	Ok
14	Q2807-02	VW032064.D	11 Aug 2025 14:22	SY/MD	Ok
15	Q2807-03	VW032065.D	11 Aug 2025 14:44	SY/MD	Ok
16	Q2808-03	VW032066.D	11 Aug 2025 15:06	SY/MD	Ok
17	Q2809-01	VW032067.D	11 Aug 2025 15:28	SY/MD	Ok
18	Q2823-01	VW032068.D	11 Aug 2025 15:50	SY/MD	Ok
19	Q2818-01	VW032069.D	11 Aug 2025 16:12	SY/MD	Ok
20	Q2818-02	VW032070.D	11 Aug 2025 16:34	SY/MD	Ok
21	Q2819-01	VW032071.D	11 Aug 2025 16:56	SY/MD	Ok

Instrument ID: **MSVOA_W**

Daily Analysis Runlog For Sequence/QCBatch ID # VW081125

Review By	Mahesh Dadoda	Review On	8/12/2025 1:11:21 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	8/12/2025 1:14:36 PM		
SubDirectory	VW081125	HP Acquire Method	MSVOA_W	HP Processing Method	82w081125s.m
STD. NAME		STD REF.#			
Tune/Reschk		VP135074			
Initial Calibration Stds		VP135075,VP135076,VP135077,VP135078,VP135079,VP135080			
CCC		VP135082			
Internal Standard/PEM		VP133934			
ICV/I.BLK		VP135081			
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

22	Q2819-02	VW032072.D	11 Aug 2025 17:18	SY/MD	Ok
23	Q2819-03	VW032073.D	11 Aug 2025 17:41	SY/MD	Ok
24	Q2819-04	VW032074.D	11 Aug 2025 18:03	SY/MD	Ok
25	Q2819-05	VW032075.D	11 Aug 2025 18:25	SY/MD	Ok
26	Q2819-06	VW032076.D	11 Aug 2025 18:47	SY/MD	Ok
27	VIBLK	VW032077.D	11 Aug 2025 19:09	SY/MD	Ok
28	VSTDCCC050	VW032078.D	11 Aug 2025 19:31	SY/MD	Ok,M

M : Manual Integration

Instrument ID: **MSVOA_W**

Daily Analysis Runlog For Sequence/QCBatch ID # VW081425

Review By	Semsettin Yesilyurt	Review On	8/19/2025 4:19:30 AM		
Supervise By	Maresh Dadoda	Supervise On	8/19/2025 4:23:55 AM		
SubDirectory	VW081425	HP Acquire Method	MSVOA_W	HP Processing Method	82w081125s.m
STD. NAME		STD REF.#			
Tune/Reschk Initial Calibration Stds		VP135133			
CCC		VP135137,VP135138			
Internal Standard/PEM		VP133934			
ICV/I.BLK					
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

Sr #	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VW032079.D	14 Aug 2025 09:05	SY/MD	Ok
2	VSTDCCC050	VW032080.D	14 Aug 2025 09:27	SY/MD	Ok,M
3	VW0814SBL01	VW032081.D	14 Aug 2025 10:00	SY/MD	Ok
4	VW0814SBS01	VW032082.D	14 Aug 2025 10:27	SY/MD	Ok,M
5	VW0814SBSD01	VW032083.D	14 Aug 2025 10:58	SY/MD	Ok,M
6	Q2820-01	VW032084.D	14 Aug 2025 11:39	SY/MD	ReRun
7	Q2820-02	VW032085.D	14 Aug 2025 12:02	SY/MD	Ok,M
8	Q2820-03	VW032086.D	14 Aug 2025 12:24	SY/MD	Ok
9	Q2820-04	VW032087.D	14 Aug 2025 12:46	SY/MD	Ok
10	Q2820-05	VW032088.D	14 Aug 2025 13:09	SY/MD	Ok
11	Q2820-06	VW032089.D	14 Aug 2025 13:31	SY/MD	Ok
12	Q2820-07	VW032090.D	14 Aug 2025 13:54	SY/MD	Ok
13	Q2820-08	VW032091.D	14 Aug 2025 14:16	SY/MD	Ok
14	Q2820-09	VW032092.D	14 Aug 2025 14:39	SY/MD	Ok
15	Q2820-10	VW032093.D	14 Aug 2025 15:01	SY/MD	Ok
16	Q2820-11	VW032094.D	14 Aug 2025 15:24	SY/MD	Ok
17	Q2820-12	VW032095.D	14 Aug 2025 15:47	SY/MD	Ok
18	Q2820-13	VW032096.D	14 Aug 2025 16:10	SY/MD	Ok
19	Q2820-14	VW032097.D	14 Aug 2025 16:32	SY/MD	Ok
20	Q2820-15	VW032098.D	14 Aug 2025 16:55	SY/MD	ReRun
21	Q2820-16	VW032099.D	14 Aug 2025 17:17	SY/MD	Ok

Instrument ID: **MSVOA_W**

Daily Analysis Runlog For Sequence/QCBatch ID # VW081425

Review By	Semsettin Yesilyurt	Review On	8/19/2025 4:19:30 AM		
Supervise By	Mahesh Dadoda	Supervise On	8/19/2025 4:23:55 AM		
SubDirectory	VW081425	HP Acquire Method	MSVOA_W	HP Processing Method	82w081125s.m
STD. NAME		STD REF.#			
Tune/Reschk Initial Calibration Stds		VP135133			
CCC		VP135137,VP135138			
Internal Standard/PEM		VP133934			
ICV/I.BLK					
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

22	Q2820-17	VW032100.D	14 Aug 2025 17:40	SY/MD	Ok
23	Q2820-18	VW032101.D	14 Aug 2025 18:02	SY/MD	Ok
24	Q2820-19	VW032102.D	14 Aug 2025 18:25	SY/MD	Ok
25	Q2820-20	VW032103.D	14 Aug 2025 18:47	SY/MD	Ok
26	VIBLK	VW032104.D	14 Aug 2025 19:10	SY/MD	Ok
27	VSTDCCC050	VW032105.D	14 Aug 2025 19:32	SY/MD	Ok,M

M : Manual Integration

Instrument ID: **MSVOA_Y**

Daily Analysis Runlog For Sequence/QCBatch ID # VY081225

Review By	Mahesh Dadoda	Review On	8/14/2025 7:34:22 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	8/14/2025 7:44:13 PM		
SubDirectory	VY081225	HP Acquire Method	MSVOA_Y	HP Processing Method	82y081225s.m
STD. NAME		STD REF.#			
Tune/Reschk		VP135083			
Initial Calibration Stds		VP135084,VP135085,VP135086,VP135087,VP135088,VP135089			
CCC					
Internal Standard/PEM		VP133934			
ICV/I.BLK		VP135090			
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

Sr #	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY023048.D	12 Aug 2025 08:26	SY/MD	Ok
2	VSTDICC005	VY023049.D	12 Aug 2025 14:32	SY/MD	Not Ok
3	VSTDICC005	VY023050.D	12 Aug 2025 14:54	SY/MD	Ok,M
4	VSTDICC010	VY023051.D	12 Aug 2025 15:17	SY/MD	Ok,M
5	VSTDICC020	VY023052.D	12 Aug 2025 15:40	SY/MD	Ok,M
6	VSTDICCC050	VY023053.D	12 Aug 2025 16:02	SY/MD	Ok,M
7	VSTDICC100	VY023054.D	12 Aug 2025 16:25	SY/MD	Ok,M
8	VSTDICC150	VY023055.D	12 Aug 2025 16:47	SY/MD	Ok,M
9	VIBLK	VY023056.D	12 Aug 2025 17:31	SY/MD	Ok
10	VSTDICV050	VY023057.D	12 Aug 2025 17:53	SY/MD	Ok,M

M : Manual Integration

Instrument ID: **MSVOA_Y**

Daily Analysis Runlog For Sequence/QCBatch ID # VY081525

Review By	Semsettin Yesilyurt	Review On	8/19/2025 4:20:36 AM
Supervise By	Maresh Dadoda	Supervise On	8/19/2025 4:24:34 AM
SubDirectory	VY081525	HP Acquire Method	MSVOA_Y
		HP Processing Method	82y081225s.m
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP135149		
CCC	VP135150,VP135151		
Internal Standard/PEM	VP133934		
ICV/I.BLK			
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr #	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY023110.D	15 Aug 2025 08:07	SY/MD	Ok
2	VSTDCCC050	VY023111.D	15 Aug 2025 08:39	SY/MD	Ok,M
3	VY0815SBL01	VY023112.D	15 Aug 2025 09:08	SY/MD	Ok
4	VY0815SBS01	VY023113.D	15 Aug 2025 09:37	SY/MD	Ok,M
5	VY0815SBSD01	VY023114.D	15 Aug 2025 09:59	SY/MD	Ok,M
6	Q2876-01	VY023115.D	15 Aug 2025 10:44	SY/MD	Ok
7	Q2877-01	VY023116.D	15 Aug 2025 11:07	SY/MD	Ok
8	Q2853-01	VY023117.D	15 Aug 2025 11:31	SY/MD	Ok
9	Q2820-21	VY023118.D	15 Aug 2025 11:54	SY/MD	Ok
10	Q2820-22	VY023119.D	15 Aug 2025 12:18	SY/MD	Ok
11	Q2883-01	VY023120.D	15 Aug 2025 12:41	SY/MD	Ok
12	Q2820-23	VY023121.D	15 Aug 2025 13:05	SY/MD	ReRun
13	Q2820-24	VY023122.D	15 Aug 2025 13:28	SY/MD	Ok
14	Q2832-01	VY023123.D	15 Aug 2025 14:24	SY/MD	Ok
15	Q2832-03	VY023124.D	15 Aug 2025 14:47	SY/MD	Ok
16	Q2832-05	VY023125.D	15 Aug 2025 15:11	SY/MD	Ok
17	Q2832-07	VY023126.D	15 Aug 2025 15:34	SY/MD	Ok
18	Q2832-09	VY023127.D	15 Aug 2025 15:58	SY/MD	Ok
19	Q2844-02	VY023128.D	15 Aug 2025 16:21	SY/MD	Ok
20	Q2844-04	VY023129.D	15 Aug 2025 16:45	SY/MD	Ok
21	Q2844-06	VY023130.D	15 Aug 2025 17:08	SY/MD	Ok

Instrument ID: **MSVOA_Y**

Daily Analysis Runlog For Sequence/QCBatch ID # VY081525

Review By	Semsettin Yesilyurt	Review On	8/19/2025 4:20:36 AM		
Supervise By	Mahesh Dadoda	Supervise On	8/19/2025 4:24:34 AM		
SubDirectory	VY081525	HP Acquire Method	MSVOA_Y	HP Processing Method	82y081225s.m
STD. NAME		STD REF.#			
Tune/Reschk Initial Calibration Stds		VP135149			
CCC		VP135150,VP135151			
Internal Standard/PEM		VP133934			
ICV/I.BLK					
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

22	Q2868-02	VY023131.D	15 Aug 2025 17:33	SY/MD	Ok
23	Q2865-01	VY023132.D	15 Aug 2025 17:56	SY/MD	Ok
24	Q2884-01	VY023133.D	15 Aug 2025 18:19	SY/MD	Ok
25	VIBLK	VY023134.D	15 Aug 2025 18:43	SY/MD	Ok
26	VSTDCCC050	VY023135.D	15 Aug 2025 19:06	SY/MD	Ok,M

M : Manual Integration

Instrument ID: **MSVOA_Y**

Daily Analysis Runlog For Sequence/QCBatch ID # VY081925

Review By	John Carlone	Review On	8/20/2025 9:05:17 AM		
Supervise By	Maresh Dadoda	Supervise On	8/20/2025 9:12:04 AM		
SubDirectory	VY081925	HP Acquire Method	MSVOA_Y	HP Processing Method	82y081225s.m
STD. NAME		STD REF.#			
Tune/Reschk Initial Calibration Stds		VP135166			
CCC		VP135167,VP135168			
Internal Standard/PEM		VP133934			
ICV/I.BLK					
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

Sr #	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY023136.D	19 Aug 2025 07:45	SY/MD	Ok
2	VSTDCCC050	VY023137.D	19 Aug 2025 09:11	SY/MD	Ok,M
3	VY0819SBL01	VY023138.D	19 Aug 2025 09:49	SY/MD	Ok
4	VY0819SBS01	VY023139.D	19 Aug 2025 10:19	SY/MD	Ok,M
5	VY0819SBSD01	VY023140.D	19 Aug 2025 10:42	SY/MD	Ok,M
6	Q2820-01	VY023141.D	19 Aug 2025 11:20	SY/MD	Ok
7	Q2820-15	VY023142.D	19 Aug 2025 11:44	SY/MD	Ok
8	Q2820-23	VY023143.D	19 Aug 2025 12:07	SY/MD	Ok
9	Q2819-20	VY023144.D	19 Aug 2025 12:31	SY/MD	Ok
10	Q2870-01	VY023145.D	19 Aug 2025 12:54	SY/MD	Not Ok
11	Q2871-04RE	VY023146.D	19 Aug 2025 13:18	SY/MD	Confirms
12	Q2872-01RE	VY023147.D	19 Aug 2025 13:41	SY/MD	Confirms
13	Q2879-01	VY023148.D	19 Aug 2025 14:04	SY/MD	Ok
14	Q2879-03	VY023149.D	19 Aug 2025 14:28	SY/MD	ReRun
15	Q2879-05	VY023150.D	19 Aug 2025 14:51	SY/MD	ReRun
16	Q2879-07	VY023151.D	19 Aug 2025 15:15	SY/MD	Ok
17	Q2879-09	VY023152.D	19 Aug 2025 15:38	SY/MD	ReRun
18	Q2879-11	VY023153.D	19 Aug 2025 16:02	SY/MD	ReRun
19	Q2879-13	VY023154.D	19 Aug 2025 16:25	SY/MD	ReRun
20	Q2879-15	VY023155.D	19 Aug 2025 16:49	SY/MD	ReRun
21	Q2879-17	VY023156.D	19 Aug 2025 17:12	SY/MD	ReRun

Instrument ID: **MSVOA_Y**

Daily Analysis Runlog For Sequence/QCBatch ID # VY081925

Review By	John Carlone	Review On	8/20/2025 9:05:17 AM		
Supervise By	Mahesh Dadoda	Supervise On	8/20/2025 9:12:04 AM		
SubDirectory	VY081925	HP Acquire Method	MSVOA_Y	HP Processing Method	82y081225s.m
STD. NAME		STD REF.#			
Tune/Reschk Initial Calibration Stds		VP135166			
CCC		VP135167,VP135168			
Internal Standard/PEM		VP133934			
ICV/I.BLK					
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

22	Q2897-01	VY023157.D	19 Aug 2025 17:36	SY/MD	ReRun
23	Q2889-01	VY023158.D	19 Aug 2025 17:59	SY/MD	Ok
24	Q2888-01	VY023159.D	19 Aug 2025 18:22	SY/MD	Ok
25	VSTDCCC050	VY023160.D	19 Aug 2025 19:08	SY/MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_W

Daily Analysis Runlog For Sequence/QC Batch ID # VW081125

Review By	Mahesh Dadoda	Review On	8/12/2025 1:11:21 PM
Supervise By	Semsettin Yesilyurt	Supervise On	8/12/2025 1:14:36 PM
SubDirectory	VW081125	HP Acquire Method	MSVOA_W HP Processing Method 82w081125s.m

STD. NAME	STD REF.#
Tune/Reschk	VP135074
Initial Calibration Stds	VP135075,VP135076,VP135077,VP135078,VP135079,VP135080
CCC	VP135082
Internal Standard/PEM	VP133934
ICV/I.BLK	VP135081
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr #	Sampleld	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VW032051.D	11 Aug 2025 07:53		SY/MD	Ok
2	VSTDIC005	VSTDIC005	VW032052.D	11 Aug 2025 08:25		SY/MD	Ok,M
3	VSTDIC010	VSTDIC010	VW032053.D	11 Aug 2025 09:09		SY/MD	Ok,M
4	VSTDIC020	VSTDIC020	VW032054.D	11 Aug 2025 09:47		SY/MD	Ok,M
5	VSTDIC050	VSTDIC050	VW032055.D	11 Aug 2025 10:09		SY/MD	Ok,M
6	VSTDIC100	VSTDIC100	VW032056.D	11 Aug 2025 10:46		SY/MD	Ok,M
7	VSTDIC150	VSTDIC150	VW032057.D	11 Aug 2025 11:08		SY/MD	Ok,M
8	VIBLK	VIBLK	VW032058.D	11 Aug 2025 11:30		SY/MD	Ok
9	VSTDICV050	ICVVW081125	VW032059.D	11 Aug 2025 11:51		SY/MD	Ok,M
10	VW0811SBL01	VW0811SBL01	VW032060.D	11 Aug 2025 12:18		SY/MD	Ok
11	VW0811SBS01	VW0811SBS01	VW032061.D	11 Aug 2025 12:48		SY/MD	Ok,M
12	VW0811SBSD01	VW0811SBSD01	VW032062.D	11 Aug 2025 13:10		SY/MD	Ok,M
13	Q2807-01	COMP-4	VW032063.D	11 Aug 2025 14:00	vial-A	SY/MD	Ok
14	Q2807-02	COMP-5	VW032064.D	11 Aug 2025 14:22	vial-A	SY/MD	Ok
15	Q2807-03	COMP-6	VW032065.D	11 Aug 2025 14:44	vial-A	SY/MD	Ok
16	Q2808-03	TP-7-VOC	VW032066.D	11 Aug 2025 15:06	vial-A	SY/MD	Ok
17	Q2809-01	OR-03-08082025	VW032067.D	11 Aug 2025 15:28	vial-A	SY/MD	Ok
18	Q2823-01	SU-04-081125	VW032068.D	11 Aug 2025 15:50	vial-A	SY/MD	Ok

Instrument ID: MSVOA_W

Daily Analysis Runlog For Sequence/QC Batch ID # VW081125

Review By	Mahesh Dadoda	Review On	8/12/2025 1:11:21 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	8/12/2025 1:14:36 PM		
SubDirectory	VW081125	HP Acquire Method	MSVOA_W	HP Processing Method	82w081125s.m
STD. NAME		STD REF.#			
Tune/Reschk		VP135074			
Initial Calibration Stds		VP135075,VP135076,VP135077,VP135078,VP135079,VP135080			
CCC		VP135082			
Internal Standard/PEM		VP133934			
ICV/I.BLK		VP135081			
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

19	Q2818-01	B-2-5-1	VW032069.D	11 Aug 2025 16:12	vial-A	SY/MD	Ok
20	Q2818-02	B-3-5-2	VW032070.D	11 Aug 2025 16:34	vial-A	SY/MD	Ok
21	Q2819-01	22BP-N	VW032071.D	11 Aug 2025 16:56	vial-A	SY/MD	Ok
22	Q2819-02	22BP-E	VW032072.D	11 Aug 2025 17:18	vial-A	SY/MD	Ok
23	Q2819-03	22BP-W	VW032073.D	11 Aug 2025 17:41	vial-A	SY/MD	Ok
24	Q2819-04	22BP-S	VW032074.D	11 Aug 2025 18:03	vial-A	SY/MD	Ok
25	Q2819-05	11M-W	VW032075.D	11 Aug 2025 18:25	vial-A	SY/MD	Ok
26	Q2819-06	11M-S	VW032076.D	11 Aug 2025 18:47	vial-A	SY/MD	Ok
27	VIBLK	VIBLK	VW032077.D	11 Aug 2025 19:09		SY/MD	Ok
28	VSTDCCC050	VSTDCCC050EC	VW032078.D	11 Aug 2025 19:31		SY/MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_W

Daily Analysis Runlog For Sequence/QC Batch ID # VW081425

Review By	Semsettin Yesilyurt	Review On	8/19/2025 4:19:30 AM
Supervise By	Mahesh Dadoda	Supervise On	8/19/2025 4:23:55 AM
SubDirectory	VW081425	HP Acquire Method	MSVOA_W HP Processing Method 82w081125s.m

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	VP135133
CCC	VP135137,VP135138
Internal Standard/PEM	VP133934
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr #	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VW032079.D	14 Aug 2025 09:05		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VW032080.D	14 Aug 2025 09:27		SY/MD	Ok,M
3	VW0814SBL01	VW0814SBL01	VW032081.D	14 Aug 2025 10:00		SY/MD	Ok
4	VW0814SBS01	VW0814SBS01	VW032082.D	14 Aug 2025 10:27		SY/MD	Ok,M
5	VW0814SBSD01	VW0814SBSD01	VW032083.D	14 Aug 2025 10:58		SY/MD	Ok,M
6	Q2820-01	82H-S	VW032084.D	14 Aug 2025 11:39	vial-A Internal standard fail;Surrogate fail	SY/MD	ReRun
7	Q2820-02	82H-W	VW032085.D	14 Aug 2025 12:02	vial-A	SY/MD	Ok,M
8	Q2820-03	82H-N	VW032086.D	14 Aug 2025 12:24	vial-A	SY/MD	Ok
9	Q2820-04	SOIL-DUP-1	VW032087.D	14 Aug 2025 12:46	vial-A	SY/MD	Ok
10	Q2820-05	518R-E	VW032088.D	14 Aug 2025 13:09	vial-A	SY/MD	Ok
11	Q2820-06	518R-N	VW032089.D	14 Aug 2025 13:31	vial-A	SY/MD	Ok
12	Q2820-07	518R-S	VW032090.D	14 Aug 2025 13:54	vial-A	SY/MD	Ok
13	Q2820-08	518R-W	VW032091.D	14 Aug 2025 14:16	vial-A	SY/MD	Ok
14	Q2820-09	705R-S	VW032092.D	14 Aug 2025 14:39	vial-A	SY/MD	Ok
15	Q2820-10	SOIL-DUP-2	VW032093.D	14 Aug 2025 15:01	vial-A	SY/MD	Ok
16	Q2820-11	10PC-W	VW032094.D	14 Aug 2025 15:24	vial-A	SY/MD	Ok
17	Q2820-12	10PC-S	VW032095.D	14 Aug 2025 15:47	vial-A	SY/MD	Ok

Instrument ID: MSVOA_W

Daily Analysis Runlog For Sequence/QC Batch ID # VW081425

Review By	Semsettin Yesilyurt	Review On	8/19/2025 4:19:30 AM		
Supervise By	Mahesh Dadoda	Supervise On	8/19/2025 4:23:55 AM		
SubDirectory	VW081425	HP Acquire Method	MSVOA_W	HP Processing Method	82w081125s.m
STD. NAME		STD REF.#			
Tune/Reschk Initial Calibration Stds		VP135133			
CCC		VP135137,VP135138			
Internal Standard/PEM		VP133934			
ICV/I.BLK					
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

18	Q2820-13	10P-W	VW032096.D	14 Aug 2025 16:10	vial-A	SY/MD	Ok
19	Q2820-14	10P-E	VW032097.D	14 Aug 2025 16:32	vial-A	SY/MD	Ok
20	Q2820-15	10P-S	VW032098.D	14 Aug 2025 16:55	vial-A Internal Standard Fail	SY/MD	ReRun
21	Q2820-16	10P-N	VW032099.D	14 Aug 2025 17:17	vial-A	SY/MD	Ok
22	Q2820-17	88H-E	VW032100.D	14 Aug 2025 17:40	vial-A	SY/MD	Ok
23	Q2820-18	88H-N	VW032101.D	14 Aug 2025 18:02	vial-A	SY/MD	Ok
24	Q2820-19	88H-W	VW032102.D	14 Aug 2025 18:25	vial-A	SY/MD	Ok
25	Q2820-20	88H-S	VW032103.D	14 Aug 2025 18:47	vial-A	SY/MD	Ok
26	VIBLK	VIBLK	VW032104.D	14 Aug 2025 19:10		SY/MD	Ok
27	VSTDCCC050	VSTDCCC050EC	VW032105.D	14 Aug 2025 19:32		SY/MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QC Batch ID # VY081225

Review By	Maresh Dadoda	Review On	8/14/2025 7:34:22 PM
Supervise By	Semsettin Yesilyurt	Supervise On	8/14/2025 7:44:13 PM
SubDirectory	VY081225	HP Acquire Method	MSVOA_Y HP Processing Method 82y081225s.m

STD. NAME	STD REF.#
Tune/Reschk	VP135083
Initial Calibration Stds	VP135084,VP135085,VP135086,VP135087,VP135088,VP135089
CCC	
Internal Standard/PEM	VP133934
ICV/I.BLK	VP135090
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr #	Sampleld	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY023048.D	12 Aug 2025 08:26		SY/MD	Ok
2	VSTDICC005	VSTDICC005	VY023049.D	12 Aug 2025 14:32	Not used	SY/MD	Not Ok
3	VSTDICC005	VSTDICC005	VY023050.D	12 Aug 2025 14:54		SY/MD	Ok,M
4	VSTDICC010	VSTDICC010	VY023051.D	12 Aug 2025 15:17		SY/MD	Ok,M
5	VSTDICC020	VSTDICC020	VY023052.D	12 Aug 2025 15:40	LR-20	SY/MD	Ok,M
6	VSTDICCC050	VSTDICCC050	VY023053.D	12 Aug 2025 16:02		SY/MD	Ok,M
7	VSTDICC100	VSTDICC100	VY023054.D	12 Aug 2025 16:25		SY/MD	Ok,M
8	VSTDICC150	VSTDICC150	VY023055.D	12 Aug 2025 16:47		SY/MD	Ok,M
9	VIBLK	VIBLK	VY023056.D	12 Aug 2025 17:31		SY/MD	Ok
10	VSTDICV050	ICVVY081225	VY023057.D	12 Aug 2025 17:53		SY/MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QC Batch ID # VY081525

Review By	Semsettin Yesilyurt	Review On	8/19/2025 4:20:36 AM
Supervise By	Mahesh Dadoda	Supervise On	8/19/2025 4:24:34 AM
SubDirectory	VY081525	HP Acquire Method	MSVOA_Y HP Processing Method 82y081225s.m
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP135149		
CCC	VP135150,VP135151		
Internal Standard/PEM	VP133934		
ICV/I.BLK			
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr #	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY023110.D	15 Aug 2025 08:07		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VY023111.D	15 Aug 2025 08:39		SY/MD	Ok,M
3	VY0815SBL01	VY0815SBL01	VY023112.D	15 Aug 2025 09:08		SY/MD	Ok
4	VY0815SBS01	VY0815SBS01	VY023113.D	15 Aug 2025 09:37		SY/MD	Ok,M
5	VY0815SBSD01	VY0815SBSD01	VY023114.D	15 Aug 2025 09:59		SY/MD	Ok,M
6	Q2876-01	CL-02-08142025	VY023115.D	15 Aug 2025 10:44	vial-A	SY/MD	Ok
7	Q2877-01	EO-02-08142025	VY023116.D	15 Aug 2025 11:07	vial-A	SY/MD	Ok
8	Q2853-01	TR-05-081325	VY023117.D	15 Aug 2025 11:31	vial-A	SY/MD	Ok
9	Q2820-21	22M-N	VY023118.D	15 Aug 2025 11:54	vial-A	SY/MD	Ok
10	Q2820-22	22M-W	VY023119.D	15 Aug 2025 12:18	vial-A	SY/MD	Ok
11	Q2883-01	RBR2520553	VY023120.D	15 Aug 2025 12:41	vial-A	SY/MD	Ok
12	Q2820-23	22M-E	VY023121.D	15 Aug 2025 13:05	vial-A Surrogate fail	SY/MD	ReRun
13	Q2820-24	22M-S	VY023122.D	15 Aug 2025 13:28	vial-A	SY/MD	Ok
14	Q2832-01	TG-S01	VY023123.D	15 Aug 2025 14:24	vial-A	SY/MD	Ok
15	Q2832-03	TG-S02	VY023124.D	15 Aug 2025 14:47	vial-A	SY/MD	Ok
16	Q2832-05	TG-S03	VY023125.D	15 Aug 2025 15:11	vial-A	SY/MD	Ok
17	Q2832-07	TG-S04	VY023126.D	15 Aug 2025 15:34	vial-A	SY/MD	Ok
18	Q2832-09	TG-S05	VY023127.D	15 Aug 2025 15:58	vial-A	SY/MD	Ok

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QC Batch ID # VY081525

Review By	Semsettin Yesilyurt	Review On	8/19/2025 4:20:36 AM		
Supervise By	Mahesh Dadoda	Supervise On	8/19/2025 4:24:34 AM		
SubDirectory	VY081525	HP Acquire Method	MSVOA_Y	HP Processing Method	82y081225s.m
STD. NAME	STD REF.#				
Tune/Reschk Initial Calibration Stds	VP135149				
CCC	VP135150,VP135151				
Internal Standard/PEM	VP133934				
ICV/I.BLK					
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

19	Q2844-02	MOO-25-0224-0225	VY023128.D	15 Aug 2025 16:21	vial-A	SY/MD	Ok
20	Q2844-04	MOO-25-0234-0235	VY023129.D	15 Aug 2025 16:45	vial-A	SY/MD	Ok
21	Q2844-06	MOO-25-0223	VY023130.D	15 Aug 2025 17:08	vial-A	SY/MD	Ok
22	Q2868-02	VOC	VY023131.D	15 Aug 2025 17:33	vial-A	SY/MD	Ok
23	Q2865-01	ARS10-0047-VOC	VY023132.D	15 Aug 2025 17:56	vial-A	SY/MD	Ok
24	Q2884-01	VNJ-232	VY023133.D	15 Aug 2025 18:19	vial-A	SY/MD	Ok
25	VIBLK	VIBLK	VY023134.D	15 Aug 2025 18:43		SY/MD	Ok
26	VSTDCCC050	VSTDCCC050EC	VY023135.D	15 Aug 2025 19:06		SY/MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QC Batch ID # VY081925

Review By	John Carlone	Review On	8/20/2025 9:05:17 AM
Supervise By	Mahesh Dadoda	Supervise On	8/20/2025 9:12:04 AM
SubDirectory	VY081925	HP Acquire Method	MSVOA_Y HP Processing Method 82y081225s.m

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	VP135166
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP135167,VP135168 VP133934

Sr #	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY023136.D	19 Aug 2025 07:45		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VY023137.D	19 Aug 2025 09:11		SY/MD	Ok,M
3	VY0819SBL01	VY0819SBL01	VY023138.D	19 Aug 2025 09:49		SY/MD	Ok
4	VY0819SBS01	VY0819SBS01	VY023139.D	19 Aug 2025 10:19		SY/MD	Ok,M
5	VY0819SBSD01	VY0819SBSD01	VY023140.D	19 Aug 2025 10:42		SY/MD	Ok,M
6	Q2820-01	82H-S	VY023141.D	19 Aug 2025 11:20	vial-B	SY/MD	Ok
7	Q2820-15	10P-S	VY023142.D	19 Aug 2025 11:44	vial-B	SY/MD	Ok
8	Q2820-23	22M-E	VY023143.D	19 Aug 2025 12:07	vial-B	SY/MD	Ok
9	Q2819-20	82H-E	VY023144.D	19 Aug 2025 12:31	vial-B	SY/MD	Ok
10	Q2870-01	DRILL CUTTING 1-5 C	VY023145.D	19 Aug 2025 12:54	vial-B Not Purge	SY/MD	Not Ok
11	Q2871-04RE	DRILL CUTTING 4-6 C	VY023146.D	19 Aug 2025 13:18	vial-B Internal Standard Fail	SY/MD	Confirms
12	Q2872-01RE	DRILL CUTTING 1-2 C	VY023147.D	19 Aug 2025 13:41	vial-B Internal Standard Fail	SY/MD	Confirms
13	Q2879-01	OU4-TS-GRILLO-TSCF	VY023148.D	19 Aug 2025 14:04	vial-A	SY/MD	Ok
14	Q2879-03	OU4-TS-GRILLO-TSCF	VY023149.D	19 Aug 2025 14:28	vial-A Surrogate fail	SY/MD	ReRun
15	Q2879-05	OU4-TS-GRILLO-TSCF	VY023150.D	19 Aug 2025 14:51	vial-A Surrogate fail	SY/MD	ReRun
16	Q2879-07	OU4-TS-GRILLO-TSCF	VY023151.D	19 Aug 2025 15:15	vial-A	SY/MD	Ok
17	Q2879-09	OU4-TS-GRILLO-TSCF	VY023152.D	19 Aug 2025 15:38	vial-A Surrogate fail	SY/MD	ReRun
18	Q2879-11	OU4-TS-GRILLO-TSCF	VY023153.D	19 Aug 2025 16:02	vial-A Surrogate fail	SY/MD	ReRun

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QC Batch ID # VY081925

Review By	John Carlone	Review On	8/20/2025 9:05:17 AM		
Supervise By	Mahesh Dadoda	Supervise On	8/20/2025 9:12:04 AM		
SubDirectory	VY081925	HP Acquire Method	MSVOA_Y	HP Processing Method	82y081225s.m
STD. NAME	STD REF.#				
Tune/Reschk Initial Calibration Stds	VP135166				
CCC	VP135167,VP135168				
Internal Standard/PEM	VP133934				
ICV/I.BLK					
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

19	Q2879-13	OU4-TS-GRILLO-TSCF	VY023154.D	19 Aug 2025 16:25	vial-A Surrogate fail	SY/MD	ReRun
20	Q2879-15	OU4-TS-GRILLO-TSCF	VY023155.D	19 Aug 2025 16:49	vial-A Surrogate fail	SY/MD	ReRun
21	Q2879-17	OU4-TS-GRILLO-TSCF	VY023156.D	19 Aug 2025 17:12	vial-A Surrogate fail	SY/MD	ReRun
22	Q2897-01	HD-02-08182025	VY023157.D	19 Aug 2025 17:36	vial-A Internal Standard Fail	SY/MD	ReRun
23	Q2889-01	PL-02-081525	VY023158.D	19 Aug 2025 17:59	vial-A	SY/MD	Ok
24	Q2888-01	VNJ-210	VY023159.D	19 Aug 2025 18:22	vial-A	SY/MD	Ok
25	VSTDCCC050	VSTDCCC050EC	VY023160.D	19 Aug 2025 19:08		SY/MD	Ok,M

M : Manual Integration

PERCENT SOLID

Supervisor: rubina
Analyst: jignesh
Date: 8/13/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:30
In Date: 08/12/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:22
Out Date: 08/13/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % solids-oven

QC:LB136783

Lab ID	Client SampleID	Dish #	Dish Wt (g) (A)	Sample Wt (g)	Dish + Sample Wt (g) (B)	Dish+Dry Sample Wt (g) (C)	% Solid	Comments
Q2732-02	WC-A7-01-C	74	1.15	10.37	11.52	11.18	96.7	
Q2819-01	22BP-N	1	1.15	10.16	11.31	9.57	82.9	
Q2819-02	22BP-E	2	1.16	10.67	11.83	10.3	85.7	
Q2819-03	22BP-W	3	1.16	10.83	11.99	10.45	85.8	
Q2819-04	22BP-S	4	1.15	9.96	11.11	9.92	88.1	
Q2819-05	11M-W	5	1.14	10.45	11.59	10.7	91.5	
Q2819-06	11M-S	6	1.16	10.83	11.99	10.96	90.5	
Q2819-07	11M-N	7	1.16	10.81	11.97	9.37	75.9	
Q2819-08	11M-E	8	1.17	10.27	11.44	8.54	71.8	
Q2819-09	84SB-E	9	1.13	10.62	11.75	5.12	37.6	
Q2819-10	84SB-S	10	1.18	10.11	11.29	10.51	92.3	
Q2819-11	84SB-W	11	1.14	10.14	11.28	9.94	86.8	
Q2819-12	17M-S	12	1.19	118.66	119.85	11.15	8.4	
Q2819-13	17M-E	13	1.17	10.38	11.55	9.86	83.7	
Q2819-14	17M-W	14	1.15	10.46	11.61	10.1	85.6	
Q2819-15	17M-N	15	1.15	10.57	11.72	9.96	83.3	
Q2819-16	38M-S	16	1.15	10.77	11.92	11.1	92.4	
Q2819-17	38M-N	17	1.16	10.41	11.57	10.27	87.5	
Q2819-18	38M-W	18	1.14	10.66	11.8	10.34	86.3	
Q2819-19	38M-E	19	1.13	10.13	11.26	10.02	87.8	
Q2819-20	82H-E	20	1.17	10.64	11.81	9.38	77.2	
Q2820-01	82H-S	21	1.16	10.76	11.92	10.04	82.5	
Q2820-02	82H-W	22	1.15	11.21	12.36	10.51	83.5	
Q2820-03	82H-N	23	1.16	11.14	12.3	10.9	87.4	
Q2820-04	SOIL-DUP-1	24	1.16	10.83	11.99	10.56	86.8	
Q2820-05	518R-E	25	1.16	10.40	11.56	6.23	48.8	
Q2820-06	518R-N	26	1.18	10.55	11.73	9.35	77.4	
Q2820-07	518R-S	27	1.17	10.52	11.69	9.44	78.6	

PERCENT SOLID

Supervisor: rubina
Analyst: jignesh
Date: 8/13/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:30
In Date: 08/12/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:22
Out Date: 08/13/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % solids-oven

QC:LB136783

Lab ID	Client SampleID	Dish #	Dish Wt (g) (A)	Sample Wt (g)	Dish + Sample Wt (g) (B)	Dish+Dry Sample Wt (g) (C)	% Solid	Comments
Q2820-08	518R-W	28	1.13	10.80	11.93	10.74	89.0	
Q2820-09	705R-S	29	1.14	10.59	11.73	7.05	55.8	
Q2820-10	SOIL-DUP-2	30	1.15	10.87	12.02	6.41	48.4	
Q2820-11	10PC-W	31	1.11	10.25	11.36	10.58	92.4	
Q2820-12	10PC-S	32	1.19	10.52	11.71	10.88	92.1	
Q2820-13	10P-W	33	1.14	10.09	11.23	10.34	91.2	
Q2820-14	10P-E	34	1.19	10.37	11.56	9.62	81.3	
Q2820-15	10P-S	35	1.18	10.21	11.39	10.22	88.5	
Q2820-16	10P-N	36	1.11	10.09	11.2	9.81	86.2	
Q2820-17	88H-E	37	1.16	10.42	11.58	9.77	82.6	
Q2820-18	88H-N	38	1.16	10.90	12.06	10.57	86.3	
Q2820-19	88H-W	39	1.18	10.66	11.84	10.62	88.6	
Q2820-20	88H-S	40	1.18	10.12	11.3	9.74	84.6	
Q2820-21	22M-N	41	1.14	11.06	12.2	11.34	92.2	
Q2820-22	22M-W	42	1.17	10.90	12.07	6.94	52.9	
Q2820-23	22M-E	43	1.17	10.27	11.44	4.66	34.0	
Q2820-24	22M-S	44	1.13	10.68	11.81	10.63	89.0	
Q2832-01	TG-S01	45	1.15	10.46	11.61	10.92	93.4	
Q2832-03	TG-S02	46	1.18	10.41	11.59	10.97	94.0	
Q2832-05	TG-S03	47	1.15	10.50	11.65	11.00	93.8	
Q2832-07	TG-S04	48	1.17	10.58	11.75	11.02	93.1	
Q2832-09	TG-S05	49	1.15	10.40	11.55	10.6	90.9	
Q2836-02	WC-A2-15-C	75	1.18	10.38	11.56	9.67	81.8	
Q2836-06	WC-A2-16-C	76	1.19	10.43	11.62	10.66	90.8	
Q2836-10	WC-A2-17-C	77	1.19	10.48	11.67	10.96	93.2	
Q2836-14	WC-A5-02-C	78	1.19	10.17	11.36	8.8	74.8	
Q2838-01	TP-11	50	1.14	10.60	11.74	10.44	87.7	
Q2838-02	TP-11-EPH	51	1.14	10.85	11.99	9.57	77.7	

PERCENT SOLID

Supervisor: rubina
Analyst: jignesh
Date: 8/13/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:30
In Date: 08/12/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:22
Out Date: 08/13/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % solids-oven

QC:LB136783

Lab ID	Client SampleID	Dish #	Dish Wt(g) (A)	Sample Wt(g)	Dish + Sample Wt(g) (B)	Dish+Dry Sample Wt(g) (C)	% Solid	Comments
Q2838-03	TP-11-VOC	52	1.19	11.24	12.43	9.97	78.1	
Q2838-05	TP-10	53	1.14	11.08	12.22	10.75	86.7	
Q2838-06	TP-10-EPH	54	1.18	10.42	11.6	7.63	61.9	
Q2838-07	TP-10-VOC	55	1.18	10.50	11.68	8.68	71.4	
Q2839-01	BC274436-1-1	56	1.00	1.00	2.00	2.00	100.0	PILC
Q2839-02	BC274436-1-2	57	1.00	1.00	2.00	2.00	100.0	PILC
Q2839-03	BC151973-1-1	58	1.00	1.00	2.00	2.00	100.0	PILC
Q2839-04	BC151973-1-2	59	1.00	1.00	2.00	2.00	100.0	PILC
Q2839-05	BC271336-1-1	60	1.00	1.00	2.00	2.00	100.0	PILC
Q2839-06	BC271336-1-2	61	1.00	1.00	2.00	2.00	100.0	PILC
Q2839-07	BC271242-1-1	62	1.00	1.00	2.00	2.00	100.0	PILC
Q2839-08	BC271242-1-2	63	1.00	1.00	2.00	2.00	100.0	PILC
Q2839-09	BC271242-2-1	64	1.00	1.00	2.00	2.00	100.0	PILC
Q2839-10	BC271242-2-2	65	1.00	1.00	2.00	2.00	100.0	PILC
Q2839-11	BC226751-1-1	66	1.00	1.00	2.00	2.00	100.0	PILC
Q2839-12	BC226751-1-2	67	1.00	1.00	2.00	2.00	100.0	PILC
Q2839-13	BC226751-2-1	68	1.00	1.00	2.00	2.00	100.0	PILC
Q2839-14	BC226751-2-2	69	1.00	1.00	2.00	2.00	100.0	PILC
Q2839-15	JEC773V-1-1	70	1.00	1.00	2.00	2.00	100.0	PILC
Q2839-16	JEC773V-1-2	71	1.00	1.00	2.00	2.00	100.0	PILC
Q2840-01	0804-SOIL	72	1.12	11.32	12.44	10.42	82.2	
Q2840-02	0804-D	73	1.00	1.00	2.00	2.00	100.0	debris

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

UB 136783

WorkList Name : %1-081225

WorkList ID : 191210

Department : Wet-Chemistry

Date : 08-12-2025 07:56:53

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2820-06	518R-N	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/07/2025	Chemtech -SO
Q2820-07	518R-S	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/07/2025	Chemtech -SO
Q2820-08	518R-W	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/07/2025	Chemtech -SO
Q2820-09	705R-S	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/07/2025	Chemtech -SO
Q2820-10	SOIL-DUP-2	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/07/2025	Chemtech -SO
Q2819-19	38M-E	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/06/2025	Chemtech -SO
Q2819-20	82H-E	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/06/2025	Chemtech -SO
Q2820-01	82H-S	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/06/2025	Chemtech -SO
Q2820-02	82H-W	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/06/2025	Chemtech -SO
Q2820-03	82H-N	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/06/2025	Chemtech -SO
Q2820-04	SOIL-DUP-1	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/06/2025	Chemtech -SO
Q2819-13	17M-E	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/05/2025	Chemtech -SO
Q2819-14	17M-W	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/05/2025	Chemtech -SO
Q2819-15	17M-N	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/05/2025	Chemtech -SO
Q2819-16	38M-S	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/06/2025	Chemtech -SO
Q2819-17	38M-N	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/06/2025	Chemtech -SO
Q2819-18	38M-W	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/06/2025	Chemtech -SO
Q2819-07	11M-N	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/05/2025	Chemtech -SO
Q2819-08	11M-E	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/05/2025	Chemtech -SO
Q2819-09	84SB-E	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/05/2025	Chemtech -SO
Q2819-10	84SB-S	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/05/2025	Chemtech -SO

Date/Time

08/12/25

15:00

Raw Sample Received by:

SB WCI

Raw Sample Relinquished by:

CP 8

Q2820-VOC-TCLVOA-10

Date/Time

08/12/25

17:35

Raw Sample Received by:

CP 8

Raw Sample Relinquished by:

SB WCI

1797 of 3157

WORKLIST(Hardcopy Internal Chain)

WB 136783

WorkList Name : %1-081225

WorkList ID : 191210

Department : Wet-Chemistry

Date : 08-12-2025 07:56:53

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2819-01	22BP-N	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/04/2025	Chemtech -SO
Q2819-02	22BP-E	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/04/2025	Chemtech -SO
Q2819-03	22BP-W	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/04/2025	Chemtech -SO
Q2819-04	22BP-S	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/04/2025	Chemtech -SO
Q2819-05	11M-W	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/05/2025	Chemtech -SO
Q2819-06	11M-S	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/05/2025	Chemtech -SO
Q2820-23	22M-E	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/08/2025	Chemtech -SO
Q2820-24	22M-S	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/08/2025	Chemtech -SO
Q2820-17	88H-E	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/08/2025	Chemtech -SO
Q2820-18	88H-N	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/08/2025	Chemtech -SO
Q2820-19	88H-W	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/08/2025	Chemtech -SO
Q2820-20	88H-S	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/08/2025	Chemtech -SO
Q2820-21	22M-N	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/08/2025	Chemtech -SO
Q2820-22	22M-W	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/08/2025	Chemtech -SO
Q2820-11	10PC-W	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/07/2025	Chemtech -SO
Q2820-12	10PC-S	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/07/2025	Chemtech -SO
Q2820-13	10P-W	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/07/2025	Chemtech -SO
Q2820-14	10P-E	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/07/2025	Chemtech -SO
Q2820-15	10P-S	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/07/2025	Chemtech -SO
Q2820-16	10P-N	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/07/2025	Chemtech -SO
Q2820-05	518R-E	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/07/2025	Chemtech -SO

Date/Time 08/12/25 15:00

Raw Sample Received by: [Signature]

Raw Sample Relinquished by: [Signature]

Q2820-VOC-TCLVOA-10

Date/Time 08/12/25 17:35

Raw Sample Received by: [Signature]

Raw Sample Relinquished by: [Signature]

WORKLIST(Hardcopy Internal Chain)

VB 136783

WorkList Name : %1-081225

WorkList ID : 191210

Department : Wet-Chemistry

Date : 08-12-2025 07:56:53

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2839-04	BC151973-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L11	08/12/2025	Chemtech -SO
Q2839-05	BC271336-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L11	08/12/2025	Chemtech -SO
Q2839-06	BC271336-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L11	08/12/2025	Chemtech -SO
Q2839-07	BC271242-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L11	08/12/2025	Chemtech -SO
Q2839-08	BC271242-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L11	08/12/2025	Chemtech -SO
Q2839-09	BC271242-2-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L11	08/12/2025	Chemtech -SO
Q2839-10	BC271242-2-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L11	08/12/2025	Chemtech -SO
Q2839-11	BC226751-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L11	08/12/2025	Chemtech -SO
Q2839-12	BC226751-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L11	08/12/2025	Chemtech -SO
Q2839-13	BC226751-2-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L11	08/12/2025	Chemtech -SO
Q2839-14	BC226751-2-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L11	08/12/2025	Chemtech -SO
Q2839-15	JEC773V-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L11	08/12/2025	Chemtech -SO
Q2839-16	JEC773V-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L11	08/12/2025	Chemtech -SO
Q2840-01	0804-SOIL	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	08/12/2025	Chemtech -SO
Q2840-02	0804-D	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	08/12/2025	Chemtech -SO

Date/Time

08/12/25 15:00

Raw Sample Received by:

[Signature]

Raw Sample Relinquished by:

[Signature]

Q2820-VOC-TCLVOA-10

Date/Time

08/12/25 17:35

Raw Sample Received by:

[Signature]

Raw Sample Relinquished by:

[Signature]

WORKLIST(Hardcopy Internal Chain)

W 131783

WorkList Name : %1-081225

WorkList ID : 191210

Department : Wet-Chemistry

Date : 08-12-2025 07:56:53

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2819-11	84SB-W	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/05/2025	Chemtech -SO
Q2819-12	17M-S	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/05/2025	Chemtech -SO
Q2832-01	TG-S01	Solid	Percent Solids	Cool 4 deg C	PORT06	J21	08/11/2025	Chemtech -SO
Q2732-02	WC-A7-01-C	Solid	Percent Solids	Cool 4 deg C	ENTA05	J21	08/12/2025	Chemtech -SO
Q2832-03	TG-S02	Solid	Percent Solids	Cool 4 deg C	PORT06	J21	08/11/2025	Chemtech -SO
Q2832-05	TG-S03	Solid	Percent Solids	Cool 4 deg C	PORT06	J21	08/11/2025	Chemtech -SO
Q2832-07	TG-S04	Solid	Percent Solids	Cool 4 deg C	PORT06	J21	08/11/2025	Chemtech -SO
Q2832-09	TG-S05	Solid	Percent Solids	Cool 4 deg C	PORT06	J21	08/12/2025	Chemtech -SO
Q2836-02	WC-A2-15-C	Solid	Percent Solids	Cool 4 deg C	ENTA05	J23	08/12/2025	Chemtech -SO
Q2836-06	WC-A2-16-C	Solid	Percent Solids	Cool 4 deg C	ENTA05	J23	08/12/2025	Chemtech -SO
Q2836-10	WC-A2-17-C	Solid	Percent Solids	Cool 4 deg C	ENTA05	J23	08/12/2025	Chemtech -SO
Q2836-14	WC-A5-02-C	Solid	Percent Solids	Cool 4 deg C	ENTA05	J23	08/12/2025	Chemtech -SO
Q2838-01	TP-11	Solid	Percent Solids	Cool 4 deg C	PSEG03	D21	08/12/2025	Chemtech -SO
Q2838-02	TP-11-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	D21	08/12/2025	Chemtech -SO
Q2838-03	TP-11-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	D21	08/12/2025	Chemtech -SO
Q2838-05	TP-10	Solid	Percent Solids	Cool 4 deg C	PSEG03	D21	08/12/2025	Chemtech -SO
Q2838-06	TP-10-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	D21	08/12/2025	Chemtech -SO
Q2838-07	TP-10-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	D21	08/12/2025	Chemtech -SO
Q2839-01	BC274436-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L11	08/12/2025	Chemtech -SO
Q2839-02	BC274436-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L11	08/12/2025	Chemtech -SO
Q2839-03	BC151973-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L11	08/12/2025	Chemtech -SO

Date/Time 08/12/25 15:00

Raw Sample Received by: SP WOC

Raw Sample Relinquished by: CP SM

Q2820-VOC-TCLVOA-10

Date/Time 08/12/25 17:35

Raw Sample Received by: CP SM

Raw Sample Relinquished by: SP WOC

Prep Standard - Chemical Standard Summary

Order ID : Q2820

Test : VOC-TCLVOA-10

Prepbatch ID :

Sequence ID/Qc Batch ID: VW081425,VY081525,vy081925,

Standard ID :

VP133934,VP134147,VP134149,VP134150,VP134934,VP134957,VP135059,VP135060,VP135129,VP135130,VP135133,VP135137,VP135138,VP135149,VP135150,VP135151,VP135166,VP135167,VP135168,

Chemical ID :

V13391,V14290,V14444,V14446,V14507,V14508,V14529,V14530,V14625,V14636,V14637,V14638,V14639,V14673,V14702,V14705,V14716,V14745,V14751,V14806,V14807,V14843,V14906,V14921,V14929,V15057,V15058,V15059,W3112,

VOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1917	8260 Internal standard 50 ppm	VP133934	05/16/2025	11/12/2025	Semsettin Yesilyurt	None	None	Maresh Dadoda
								05/21/2025

FROM 0.10000ml of V14290 + 49.90000ml of V14921 = Final Quantity: 50.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
252	8260 Working STD (BCM)-First source, 100PPM	VP134147	06/06/2025	12/06/2025	Semsettin Yesilyurt	None	None	Maresh Dadoda
								06/10/2025

FROM 1.00000ml of V14673 + 19.00000ml of V14929 = Final Quantity: 20.000 ml

VOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1810	8260 Working Std(2-CVE)-800ppm	VP134149	06/06/2025	12/06/2025	Semsettin Yesilyurt	None	None	Maresh Dadoda
								06/10/2025

FROM 1.00000ml of V14636 + 1.00000ml of V14637 + 1.00000ml of V14638 + 1.00000ml of V14639 + 46.00000ml of V14929 = Final Quantity: 50.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1811	8260 Working Std(2-CVE)-500ppm	VP134150	06/06/2025	12/06/2025	Semsettin Yesilyurt	None	None	Maresh Dadoda
								06/10/2025

FROM 7.50000ml of V14929 + 12.50000ml of VP134149 = Final Quantity: 20.000 ml

VOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
249	8260 Surrogate, 100PPM	VP134934	07/29/2025	01/29/2026	Semsettin Yesilyurt	None	None	Maresh Dadoda
08/06/2025								

FROM 0.10000ml of V14906 + 24.90000ml of V14625 = Final Quantity: 25.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
218	BFB, 25PPM	VP134957	08/01/2025	11/22/2025	Semsettin Yesilyurt	None	None	Maresh Dadoda
08/06/2025								

FROM 0.50000ml of V13391 + 49.50000ml of V14625 = Final Quantity: 50.000 ml

VOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
257	8260 Calibration Working STD Mix-First source, 160PPM	VP135059	08/11/2025	09/19/2025	Semsettin Yesilyurt	None	None	Maresh Dadoda 08/19/2025

FROM 0.40000ml of V14843 + 1.00000ml of V14444 + 1.00000ml of V14446 + 1.00000ml of V14507 + 1.00000ml of V14508 + 1.00000ml of V14529 + 1.00000ml of V14530 + 1.00000ml of V14705 + 1.00000ml of V14745 + 1.00000ml of V14751 + 1.00000ml of V14806 + 1.00000ml of V14807 + 1.50000ml of V14702 + 1.50000ml of V14716 + 10.60000ml of V14625 = Final Quantity: 25.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
244	8260 Calibration Working STD Mix-First source, 100PPM	VP135060	08/11/2025	09/19/2025	Semsettin Yesilyurt	None	None	Maresh Dadoda 08/19/2025

FROM 5.62500ml of V14625 + 9.37500ml of VP135059 = Final Quantity: 15.000 ml

VOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
51	8260 Working STD (Acrolein) -first source, 800PPM	VP135129	08/14/2025	09/13/2025	Semsettin Yesilyurt	None	None	Maresh Dadoda
								08/19/2025

FROM 1.00000ml of V15059 + 1.50000ml of V15057 + 1.50000ml of V15058 + 21.00000ml of V14625 = Final Quantity: 25.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
56	8260 Working STD (Acrolein) -first source, 500PPM	VP135130	08/14/2025	09/13/2025	Semsettin Yesilyurt	None	None	Maresh Dadoda
								08/19/2025

FROM 5.62500ml of V14625 + 9.37500ml of VP135129 = Final Quantity: 15.000 ml

VOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
732	BFB TUNE CHECK - SOIL	VP135133	08/14/2025	08/15/2025	Amit Patel	None	None	Maresh Dadoda
								08/19/2025

FROM 4.99800ml of W3112 + 0.00200ml of VP134957 = Final Quantity: 5.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
773	50 PPB CCC, 8260-SOIL	VP135137	08/14/2025	08/15/2025	Amit Patel	None	None	Maresh Dadoda
								08/19/2025

FROM 4.98000ml of W3112 + 0.00250ml of VP134147 + 0.00250ml of VP134150 + 0.00250ml of VP134934 + 0.00250ml of VP135060
+ 0.00250ml of VP135130 + 0.00500ml of VP133934 = Final Quantity: 5.000 ml

VOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
773	50 PPB CCC, 8260-SOIL	VP135138	08/14/2025	08/15/2025	Amit Patel	None	None	Maresh Dadoda
								08/19/2025

FROM 4.98000ml of W3112 + 0.00250ml of VP134147 + 0.00250ml of VP134150 + 0.00250ml of VP134934 + 0.00250ml of VP135060 + 0.00250ml of VP135130 + 0.00500ml of VP133934 = Final Quantity: 5.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
732	BFB TUNE CHECK - SOIL	VP135149	08/15/2025	08/16/2025	Amit Patel	None	None	Maresh Dadoda
								08/20/2025

FROM 4.99800ml of W3112 + 0.00200ml of VP134957 = Final Quantity: 5.000 ml

VOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
773	50 PPB CCC, 8260-SOIL	VP135150	08/15/2025	08/16/2025	Amit Patel	None	None	Maresh Dadoda
FROM 4.98000ml of W3112 + 0.00250ml of VP134147 + 0.00250ml of VP134150 + 0.00250ml of VP134934 + 0.00250ml of VP135060 + 0.00250ml of VP135130 + 0.00500ml of VP133934 = Final Quantity: 5.000 ml								

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
773	50 PPB CCC, 8260-SOIL	VP135151	08/15/2025	08/16/2025	Amit Patel	None	None	Maresh Dadoda
FROM 4.98000ml of W3112 + 0.00250ml of VP134147 + 0.00250ml of VP134150 + 0.00250ml of VP134934 + 0.00250ml of VP135060 + 0.00250ml of VP135130 + 0.00500ml of VP133934 = Final Quantity: 5.000 ml								

VOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
732	BFB TUNE CHECK - SOIL	VP135166	08/19/2025	08/20/2025	Amit Patel	None	None	Maresh Dadoda
								08/20/2025

FROM 4.99800ml of W3112 + 0.00200ml of VP134957 = Final Quantity: 5.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
773	50 PPB CCC, 8260-SOIL	VP135167	08/19/2025	08/20/2025	Amit Patel	None	None	Maresh Dadoda
								08/20/2025

FROM 4.98000ml of W3112 + 0.00250ml of VP134147 + 0.00250ml of VP134150 + 0.00250ml of VP134934 + 0.00250ml of VP135060 + 0.00250ml of VP135130 + 0.00500ml of VP133934 = Final Quantity: 5.000 ml

VOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
773	50 PPB CCC, 8260-SOIL	VP135168	08/19/2025	08/20/2025	Amit Patel	None	None	Maresh Dadoda
FROM 4.98000ml of W3112 + 0.00250ml of VP134147 + 0.00250ml of VP134150 + 0.00250ml of VP134934 + 0.00250ml of VP135060 + 0.00250ml of VP135130 + 0.00500ml of VP133934 = Final Quantity: 5.000 ml								

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30067 / BFB tuneing solution	A0191805	11/22/2025	11/22/2024 / SAM	01/13/2023 / SAM	V13391

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555581 / Custom Standard, 8260 Internal Std [CS 5179-1]	A0210184	12/12/2025	12/12/2024 / SAM	04/15/2024 / SAM	V14290

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30489 / VOA Mix, 8260B Acetates Mix, P&TM, 1mL	A0209618	09/30/2025	08/08/2025 / SAM	08/15/2024 / SAM	V14444

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30489 / VOA Mix, 8260B Acetates Mix, P&TM, 1mL	A0209618	09/30/2025	08/08/2025 / SAM	08/15/2024 / SAM	V14446

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95317 / Universal VOA Mega Mix (Min order = 5)	021624	02/08/2026	08/08/2025 / SAM	09/17/2024 / SAM	V14507

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95317 / Universal VOA Mega Mix (Min order = 5)	021624	02/08/2026	08/08/2025 / SAM	09/17/2024 / SAM	V14508

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95319 / Revised Additions Mix (Min = 5)	091724	02/08/2026	08/08/2025 / SAM	09/18/2024 / SAM	V14529

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95319 / Revised Additions Mix (Min = 5)	091724	02/08/2026	08/08/2025 / SAM	09/18/2024 / SAM	V14530

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	23I0762004	01/29/2026	07/29/2025 / SAM	11/26/2024 / SAM	V14625

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	/ 2-Chloroethyl vinyl ether	120524	12/06/2025	06/06/2025 / SAM	12/06/2024 / SAM	V14636

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	/ 2-Chloroethyl vinyl ether	120524	12/06/2025	06/06/2025 / SAM	12/06/2024 / SAM	V14637

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	/ 2-Chloroethyl vinyl ether	120524	12/06/2025	06/06/2025 / SAM	12/06/2024 / SAM	V14638

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	/ 2-Chloroethyl vinyl ether	120524	12/06/2025	06/06/2025 / SAM	12/06/2024 / SAM	V14639

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30225 / VOA Mix, bromochloromethane, 2000ug/mL, P&TM, 1mL/ampul	A0214960	12/06/2025	06/06/2025 / SAM	12/09/2024 / SAM	V14673

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A02110618	02/08/2026	08/08/2025 / SAM	12/17/2024 / SAM	V14702

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A02110618	02/08/2026	08/08/2025 / SAM	12/17/2024 / SAM	V14705

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A02110618	02/08/2026	08/08/2025 / SAM	12/17/2024 / SAM	V14716

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30042 / VOA Mix, 500 series method 502.2 Calibration Std #1 gases, 2000uq/ml, PTM, 1ml	A0216826	02/08/2026	08/08/2025 / SAM	12/17/2024 / SAM	V14745

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30042 / VOA Mix,500 series method 502.2 Calibration Std #1 gases, 2000uq/ml, PTM, 1ml	A0216826	02/08/2026	08/08/2025 / SAM	12/17/2024 / SAM	V14751

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555408 / Custom Standard, Vinyl Acetate Standard w/ Grav [CS 5066-6] TWO SEPARATE	A0220471	02/08/2026	08/08/2025 / SAM	01/08/2025 / SAM	V14806

LOTS

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555408 / Custom Standard, Vinyl Acetate Standard w/ Grav [CS 5066-6] TWO SEPARATE	A0220471	02/08/2026	08/08/2025 / SAM	01/08/2025 / SAM	V14807

LOTS

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30470 / VOA Stock Solution, tert-butanol std, 1mL, P&TM	A0217535	11/12/2025	05/12/2025 / SAM	01/21/2025 / SAM	V14843

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555582 / Custom Mixture, 8260 A/B Surrogate Mix [CS 5179-2]	A0223904	07/29/2026	07/29/2025 / SAM	03/24/2025 / SAM	V14906

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	24G0262002	11/12/2025	05/12/2025 / SAM	05/09/2025 / SAM	V14921

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	24G0262002	12/06/2025	06/06/2025 / SAM	05/09/2025 / SAM	V14929

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	081325	09/13/2025	08/14/2025 / SAM	08/14/2025 / SAM	V15057

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	081325	09/13/2025	08/14/2025 / SAM	08/14/2025 / SAM	V15058

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	081325	09/13/2025	08/14/2025 / SAM	08/14/2025 / SAM	V15059

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	DIW / DI Water	Daily Lab-Certified	07/03/2029	07/03/2024 / lwona	07/03/2024 / lwona	W3112

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis



Material No.: 9077-02
Batch No.: 23I0762004
Manufactured Date: 2023-08-11
Expiration Date: 2026-08-10
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (CH ₃ OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Residue after Evaporation	≤ 1.0 ppm	0.5 ppm
Titration Acid (μeq/g)	≤ 0.3	0.2
Titration Base (μeq/g)	≤ 0.10	0.01
Water (by KF, coulometric)	≤ 0.08 %	< 0.01 %
Volatile Organic Trace Analysis – Below EPA 8260B CRQL	Conforms	Conforms

For Laboratory, Research, or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Ken Koehnlein
Sr. Manager, Quality Assurance



Ree 03117/24

CERTIFIED WEIGHT REPORT

Part Number: 95317

Lot Number: 021624

Description: Universal VOA Megamix

69 components

Expiration Date: 021627

Recommended Storage: Freezer (0 °C)

Nominal Concentration (µg/mL): 2000

NIST Test ID#: BUTB

Solvent(s): Lot#
Methanol EG359-USQ12

Weight(s) shown below were combined and diluted to (mL): 100.0 0.021 Flask Uncertainty

5E-05 Balance Uncertainty

Flask Uncertainty

Formulated By:	Prashant Chauhan	021624
Reviewed By:	Pedro L. Renteria	021624
DATE		

Compound	(K049)	Lot	Dil.	Initial	Initial	Nominal	Purity	Purity	Uncertainty	Target	Actual	Actual	Expanded	SDS Information			
	Part Number	Number	Factor	Vol. (mL)	Conc. (µg/mL)	Conc. (µg/mL)	(%)	Uncertainty	Pipette (mL)	Weight(g)	Weight(g)	Conc. (µg/mL)	Uncertainty	(+/-) (µg/mL)	CASE	OSHA PEL (TWA)	LD50
1. Acetonitrile	(0324)	021644	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20020	2001.3	8.1	75-05-8	40 ppm (70mg/m3/8H)	or-rat 2450mg/kg	
2. Allyl chloride (3-Chloropropene)	(0325)	102366	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	107-05-1	1 ppm (3mg/m3/8H)	or-rat 700mg/kg	
3. Carbon disulfide	(0060)	MKCR8561	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20023	2001.6	8.1	75-15-0	4 ppm (12mg/m3) (skin)	or-rat 1200mg/kg	
4. cis-1,4-Dichloro-2-butene	(1196)	14718EF	NA	NA	NA	2000	95	0.2	NA	0.21056	0.21069	2001.1	8.5	1478-11-5	N/A	N/A	
5. trans-1,4-Dichloro-2-butene	(0486)	MKBP6041V	NA	NA	NA	2000	96.5	0.2	NA	0.20731	0.20746	2001.7	8.4	110-57-6	N/A	N/A	
6. Diethyl ether	(0153)	IK18CAS000C	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20040	2001.5	8.1	60-29-7	N/A	N/A	
7. Ethyl methacrylate	(0381)	06126PX	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20230	2002.3	8.2	97-63-2	N/A	or-rat 14800mg/kg	
8. Iodomethane	(0489)	SHBF8718V	NA	NA	NA	2000	99.5	0.2	NA	0.20106	0.20121	2001.5	8.2	74-88-4	5 ppm(28mg/m3/8H)(skin)	or-rat 75mg/kg	
9. 2-Methyl-1-propanol	(0445)	15241EB	NA	NA	NA	2000	99.5	0.2	NA	0.20106	0.20120	2001.4	8.1	78-83-1	50 ppm (150mg/m3/8H)	or-rat 2460mg/kg	
10. Methacrylonitrile	(0442)	00427ET	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	128-98-7	1 ppm (3mg/m3/8H)(skin)	or-rat 120mg/kg	
11. Methyl acrylate	(0755)	SHBK0679	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20040	2001.5	8.1	96-33-3	10 ppm(35mg/m3/8H)(skin)	or-rat 277mg/kg	
12. Methyl methacrylate	(0404)	MKGW6137V	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20041	2001.6	8.1	80-62-6	100 ppm (410mg/m3/8H)	or-rat 7872mg/kg	
13. Nitrobenzene	(0228)	01213TV	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20220	2001.3	8.2	98-95-3	1 ppm (5mg/m3/8H)(skin)	or-rat 780mg/kg	
14. 2-Nitropropane	(0461)	14002JX	NA	NA	NA	2000	97.3	0.2	NA	0.20560	0.20577	2001.6	8.3	78-46-9	10 ppm (35mg/m3/8H)	or-rat 720mg/kg	
15. Perchloroethane	(0460)	HGA01	NA	NA	NA	2000	98	0.2	NA	0.20413	0.20430	2001.6	8.3	78-01-7	N/A	N/A	
16. 1,1,2-Trichlorotrifluoroethane	(0474)	18930	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20225	2001.8	8.2	76-13-1	1000 ppm (7600mg/m3/8H)	or-rat 43g/kg	
17. Bromodichloromethane	35171	101623	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-27-4	N/A	or-rat 915mg/kg	
18. Dibromochloromethane	35171	101623	0.05	5.00	40002.1	2000	NA	NA	0.017	NA	NA	1999.6	23.0	124-48-1	N/A	or-rat 848mg/kg	
19. cis-1,2-Dichloroethene	35171	101623	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	158-59-2	N/A	or-rat 848mg/kg	
20. trans-1,2-Dichloroethene	35171	101623	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.6	23.0	158-60-5	N/A	or-rat 1235mg/kg	
21. Methylene chloride	35171	101623	0.05	5.00	40002.8	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-09-2	500 ppm	or-rat 820mg/kg	
22. 1,1-Dichloroethane	32261	102023	0.10	10.00	20001.6	2000	NA	NA	0.042	NA	NA	1999.7	20.4	75-35-4	1 ppm (4mg/m3/8H)	or-rat 200mg/kg	
23. Bromoform	95321	020724	0.10	10.00	20003.2	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-25-2	0.5 ppm (5mg/m3) (skin)	or-rat 933mg/kg	
24. Carbon tetrachloride	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	56-23-5	2 ppm (12.6mg/m3/8H)	or-rat 2350mg/kg	
25. Chloroform	95321	020724	0.10	10.00	20002.9	2000	NA	NA	0.042	NA	NA	1999.8	20.5	74-85-3	60 ppm (240mg/m3) (CL)	or-rat 908mg/kg	
26. Dibromomethane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-34-3	100 ppm	or-rat 108mg/kg	
27. 1,1-Dichloroethane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	594-20-7	N/A	N/A	
28. 2,2-Dichloropropane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-34-3	100 ppm	or-rat 725mg/kg	
29. Trichloroethene	95321	020724	0.10	10.00	20201.1	2000	NA	NA	0.042	NA	NA	1999.8	20.5	127-18-4	25 ppm (170mg/m3/8H)(final)	or-rat 2629mg/kg	
30. 1,1,1-Trichloroethane	95321	020724	0.10	10.00	20003.0	2000	NA	NA	0.042	NA	NA	1999.8	20.5	71-55-6	350 ppm (1900mg/m3/8H)	or-rat 10300mg/kg	
31. 1,2-Dibromo-3-chloropropane	35161	112322	0.05	5.00	40018.5	2000	NA	NA	0.017	NA	NA	1999.8	22.9	96-12-8	0.001 ppm	or-rat 170mg/kg	
32. 1,2-Dibromoethane	35161	112322	0.05	5.00	40024.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-93-4	20 ppm (8H)	or-rat 108mg/kg	
33. 1,2-Dichloroethane	35161	112322	0.05	5.00	40018.0	2000	NA	NA	0.017	NA	NA	1999.8	22.9	107-06-2	50 ppm (8H)	or-rat 670mg/kg	
34. 1,2-Dichloropropane	35161	112322	0.05	5.00	40005.1	2000	NA	NA	0.017	NA	NA	1999.8	22.9	78-87-5	75 ppm (350mg/m3/8H)	or-rat 1947mg/kg	
35. 1,3-Dichloropropane	35161	112322	0.05	5.00	40005.9	2000	NA	NA	0.017	NA	NA	1999.8	22.9	142-28-9	N/A	or-rat 3600mg/kg	
36. 1,1-Dichloropropane	35161	112322	0.05	5.00	40012.1	2000	NA	NA	0.017	NA	NA	1999.8	22.9	563-58-6	N/A	N/A	
37. cis-1,3-Dichloropropane	35161	112322	0.05	5.00	40010.0	2000	NA	NA	0.017	NA	NA	1999.8	23.0	10081-01-5	N/A	N/A	
38. trans-1,3-Dichloropropane	35161	112322	0.05	5.00	40017.6	2000	NA	NA	0.017	NA	NA	1999.8	23.0	10081-02-6	N/A	N/A	
39. Hexachloro-1,3-butadiene	35161	112322	0.05	5.00	40021.9	2000	NA	NA	0.017	NA	NA	1999.8	22.9	87-68-3	0.02 ppm (0.24mg/m3/8H)	or-rat 82mg/kg	
40. 1,1,1,2-Tetrachloroethane	35161	112322	0.05	5.00	40011.9	2000	NA	NA	0.017	NA	NA	1999.8	22.9	830-20-6	N/A	or-rat 670mg/kg	
41. 1,1,2,2-Tetrachloroethane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.8	22.9	79-34-5	5 ppm (35mg/m3/8H)(skin)	or-rat 800mg/kg	
42. 1,1,2-Trichloroethane	35161	112322	0.05	5.00	40008.6	2000	NA	NA	0.017	NA	NA	1999.8	23.0	79-00-5	10 ppm (45mg/m3/8H)(skin)	or-rat 836mg/kg	
43. Trichloroethene	35161	112322	0.05	5.00	40029.0	2000	NA	NA	0.017	NA	NA	1999.8	22.9	79-01-6	50 ppm (270mg/m3/8H)	or-mus 2402mg/kg	
44. 1,2,3-Trichloropropane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.8	22.9	96-18-4	10 ppm (60mg/m3/8H)	or-rat 149.8mg/kg	
45. Benzene	35162	050823	0.05	5.00	40006.0	2000	NA	NA	0.017	NA	NA	1999.8	22.9	71-43-2	1 ppm	or-rat 4894mg/kg	
46. Bromobenzene	35162	050823	0.05	5.00	40006.9	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-88-1	N/A	or-rat 2699mg/kg	
47. n-Butyl benzene	35162	050823	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	104-51-8	N/A	N/A	
48. Ethyl benzene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	100-41-4	100 ppm (435mg/m3/8H)	or-rat >2000mg/kg	
49. p-Isopropyl toluene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	99-87-6	N/A	or-rat 4750mg/kg	
50. Naphthalene	35162	050823	0.05	5.00	40005.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	91-20-3	10 ppm (50mg/m3/8H)	or-rat 490mg/kg	
51. Styrene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	100-42-5	100 ppm	or-rat 5000mg/kg	
52. Toluene	35162	050823	0.05	5.00	40008.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-88-3	200 ppm	or-rat 5000mg/kg	
53. 1,2,3-Trichlorobenzene	35162	050823	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-88-3	200 ppm	or-rat 5000mg/kg	
54. 1,2,4-Trichlorobenzene	35162	050823	0.05	5.00	40006.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	87-61-6	N/A	or-rat 1390mg/kg	
55. 1,2,4-Trimethylbenzene	35162	050823	0.05	5.00	40001.8	2000	NA	NA	0.017	NA	NA	1999.8	23.0	95-63-6	5 ppm (CL) (40mg/m3)	or-rat 756mg/kg	
56. 1,3,5-Trimethylbenzene	35162	050823	0.05	5.00	40006.7	2000	NA	NA	0.017	NA	NA	1999.8	23.0	95-63-6	N/A	or-rat 5g/kg	
57. m-Xylene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-87-6	N/A	or-rat 5000mg/kg	
58. tert-Butyl benzene	35163	101923	0.05	5.00	40001.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-38-3	100 ppm (435mg/m3/8H)	or-rat 5g/kg	
59. sec-Butyl benzene	35163	101923	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.8	22.9	98-06-6	N/A	N/A	
60. Chlorobenzene	35163	101923	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	135-98-6	N/A	or-rat 2240mg/kg	
61. 2-Chlorotoluene	35163	101923	0.05	5.00	40000.3	2000	NA	NA	0.017	NA	NA	1999.7	22.9	108-90-7	75 ppm (350mg/m3/8H)	or-rat 2290mg/kg	
62. 4-Chlorotoluene	35163	101923	0.05	5.00	40003.3	2000	NA	NA	0.017	NA	NA	1999.7	22.9	95-49-8	50 ppm (250mg/m3/8H)	or-rat 3900mg/kg	
63. 1,2-Dichlorobenzene	35163	101923	0.05	5.00	40003.3	2000	NA	NA	0.017	NA	NA	1999.7	22.9	106-43-4	N/A	or-rat 2100mg/kg	
64. 1,3-Dichlorobenzene	35163	1															

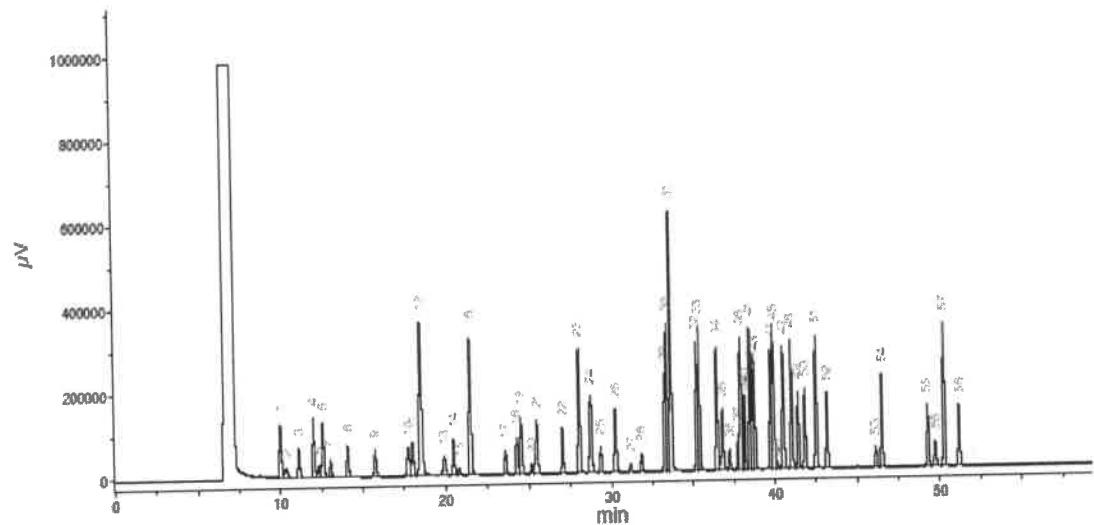


Run 16, "P95317 L021624 (2000µg/mL in MeOH)"

Run Length: 60.00 min, 35998 points at 10 points/second.
Created: Sat, Feb 17, 2024 at 8:56:46 AM.
Sampled: Sequence "021624-GC5M1", Method "GC5-M1".
Analyzed using Method "GC5-M1".

Comments

GC5-M1 Analysis by Candice Warren
Column ID SPB-Vocol 105 meter X 0.53mm X 3.0µm film thickness
Flow rates: Total flow=290mL/min., Helium (carrier)=10mL/min.,
Helium(make-up)=10mL/min., Hydrogen(make-up)=40mL/min., Air(make-up)=230mL/min.
Oven Profile: Temp. 1=35°C (Time 1=10 min.), Temp 2=200°C (Time 2=8.75 min.),
Rate = 4°C/min., Total run time=60 min. Injector temp.=200°C, FID Temp.=200°C.
FID Signal = Edaq Channel 1
Standard injection = 0.5µL, Range=3



Peak #	Name	FID RT (min.)
1	Ether	9.97
2	1,1,2-Trichloro-1,2,2-trifluoroethane	10.53
3	1,1-Dichloroethane	11.10
4	Acetone	12.00
5	Isodimethane	12.21
6	Allyl chloride	12.56
7	Carbon disulfide/Methylene chloride	13.04
8	trans-1,2-Dichloroethane	14.07
9	1,1-Dichloroethane	15.74
10	2,2-Dichloropropane	17.74
11	cis-1,2-Dichloroethane	18.00
12	Methyl vinyl ether/Methyl acrylate/Chloroform	18.49
13	Isobutene/1,1,1-Trichloroethane	18.91
14	1,1-Dichloropropane	20.46
15	Carbon tetrachloride	20.79
16	Benzene/1,2-Dichloroethane	21.48
17	Trichloroethane	23.88
18	1,2-Dichloropropane	24.52
19	Methyl methacrylate	25.13
20	Bromochloropropane	25.46
21	Dibromomethane/2,2-Dichloropropane	27.07
22	cis-1,2-Dichloropropane	27.07
23	Toluene	28.03
24	Ethyl methacrylate/Trans-1,2-Dichloropropane	28.73
25	1,1,2-Trichloroethane	29.34
26	Tetrachloroethane/1,2-Dichloropropane	30.94
27	Dibromochloromethane	31.16
28	1,2-Dibromomethane	32.84
29	Chlorobenzene	33.26
30	Ethylbenzene/1,1,1,2-Tetrachloroethane	33.40
31	m-Xylene/p-Xylene	33.85
32	o-Xylene	35.53
33	Styrene	35.70
34	Isopropylbenzene/Bromofarm	35.78
35	cis-1,4-Dichloro-3-butene	36.80
36	1,1,2-Trichloropropane	37.23
37	n-Propylbenzene	37.72
38	trans-1,4-Dichloro-3-butene	37.92
39	Bromobenzene	38.05
40	Bromobenzene	38.14
41	1,3,5-Trimethylbenzene	38.50
42	Chlorobenzene	38.63
43	4-Chlorobenzene	38.77
44	tert-Butylbenzene	39.76
45	1,3,5-Trimethylbenzene	39.91
46	Pentachloroethane	40.17
47	sec-Butylbenzene	40.52
48	p-Isopropylbenzene	41.02
49	1,3-Trichlorobenzene	41.42
50	1,4-Dichlorobenzene	41.83
51	n-Butylbenzene	42.52
52	1,2-Dichlorobenzene	42.18
53	1,2-Dibromo-3-chloropropane	46.12
54	Nitrobenzene	46.40
55	1,2,4-Trifluorobenzene	49.28
56	Hexachlorocyclopentadiene	49.72
57	Naphthalene	50.56
58	1,2,3-Trichlorobenzene	51.16

Safety Data Sheet (SDS)

GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY ANALYTICAL STANDARD DISSOLVED IN METHANOL

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	1-800-535-5053
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International	1-352-323-3500
		Date Prepared/Revised	January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225 H370 P271 P302,332	Highly Flammable Liquid and Vapor Cause damage to organs Use in ventilated area If on skin, wash with soap and water	H301, 311, 331 H351 P280 P305,351,338	Toxic if swallowed, skin contact, inhaled Suspected of causing cancer Use gloves, eye protection/face shield If in eyes, remove contacts, rinse with water
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			Signal Word: DANGER
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Section III - Composition

Components (Specific Chemical Identity; Common Name(s))	CAS#	% (optional)
Methanol METHYL ALCOHOL	67-56-1	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance. Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.
Storage Conditions	Use ventilation. Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol	67-56-1 TWA 200 ppm
Skin notation	TWA 200 ppm
Potential for skin absorption	ingestion and inhalation.
Personal protective equipment	Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing.	Wash hands thoroughly after handling the product.

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H ₂ O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6
Solubility in Water	COMPLETE		
Appearance and Odor	CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.		

Section X. STABILITY AND REACTIVITY

Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	Vapours may form explosive mixture with air.
Conditions to avoid	Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid	Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions.	- Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50 15,400 mg/l - 96 h
EC50 24,500.00 mg/l - 48 h
EC100 10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)	IATA
UN number: 1230 Class: 3 Packing group: II	UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol	Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.



Ree 03117/24

CERTIFIED WEIGHT REPORT

Part Number: 95317

Lot Number: 021624

Description: Universal VOA Megamix

69 components

Expiration Date: 021627

Recommended Storage: Freezer (0 °C)

Nominal Concentration (µg/mL): 2000

NIST Test ID#: BUTB

Solvent(s): Lot#
Methanol EG359-USQ12

Weight(s) shown below were combined and diluted to (mL): 100.0 0.021 Flask Uncertainty

5E-05 Balance Uncertainty

Flask Uncertainty

Formulated By:	Prashant Chauhan	021624
Reviewed By:	Pedro L. Renteria	021624
DATE		

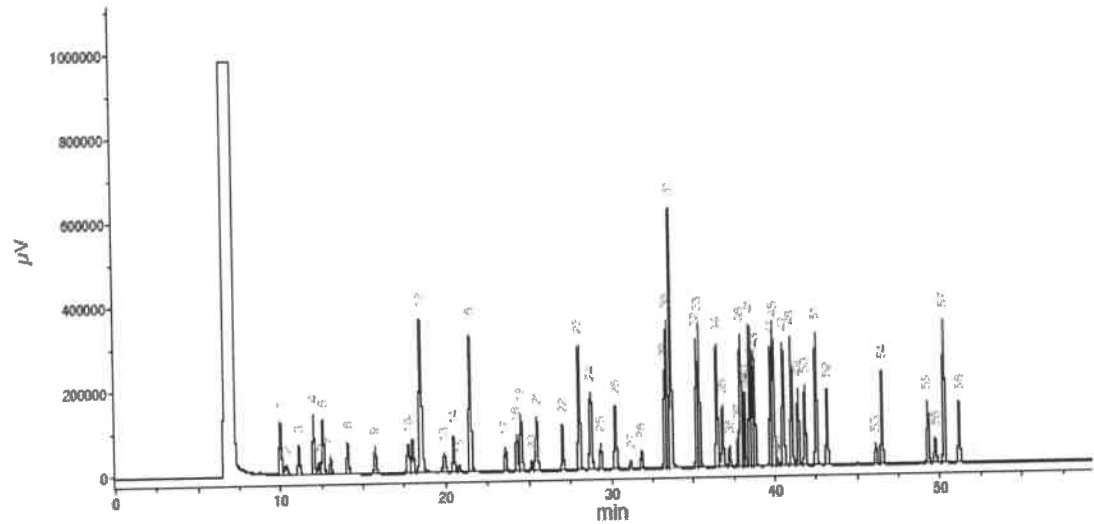
Compound	(K049)	Lot	Dil.	Initial	Initial	Nominal	Purity	Purity	Uncertainty	Target	Actual	Actual	Expanded	SDS Information			
	Part Number	Number	Factor	Vol. (mL)	Conc. (µg/mL)	Conc. (µg/mL)	(%)	Uncertainty	Pipette (mL)	Weight(g)	Weight(g)	Conc. (µg/mL)	Uncertainty	(µg/mL)	(Solvent Safety Info. On Attached pg.)	OSHA PEL (TWA)	LD50
1. Acetonitrile	(0324)	021644	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20020	2001.3	8.1	75-05-8	40 ppm (70mg/m3/8H)	or-rat 2450mg/kg	
2. Allyl chloride (3-Chloropropene)	(0325)	102396	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	107-05-1	1 ppm (3mg/m3/8H)	or-rat 700mg/kg	
3. Carbon disulfide	(0060)	MKCR8561	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20023	2001.6	8.1	75-15-0	4 ppm (12mg/m3) (skin)	or-rat 1200mg/kg	
4. cis-1,4-Dichloro-2-butene	(1196)	14718EF	NA	NA	NA	2000	95	0.2	NA	0.21056	0.21069	2001.1	8.5	1478-11-5	NA	N/A	
5. trans-1,4-Dichloro-2-butene	(0486)	MKBP6041V	NA	NA	NA	2000	96.5	0.2	NA	0.20731	0.20746	2001.7	8.4	110-57-6	NA	N/A	
6. Diethyl ether	(0153)	IK18CAS000C	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20040	2001.5	8.1	60-29-7	NA	N/A	
7. Ethyl methacrylate	(0381)	06128PX	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20230	2002.3	8.2	97-63-2	NA	N/A	
8. Iodomethane	(0489)	SHBF8718V	NA	NA	NA	2000	99.5	0.2	NA	0.20106	0.20121	2001.5	8.2	74-88-4	5 ppm(28mg/m3/8H)(skin)	or-rat 14800mg/kg	
9. 2-Methyl-1-propanol	(0445)	15241EB	NA	NA	NA	2000	99.5	0.2	NA	0.20106	0.20120	2001.4	8.1	78-83-1	50 ppm (150mg/m3/8H)	or-rat 2460mg/kg	
10. Methacrylonitrile	(0442)	00427ET	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	128-98-7	1 ppm (3mg/m3/8H)(skin)	or-rat 120mg/kg	
11. Methyl acrylate	(0755)	SHBK0679	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20040	2001.5	8.1	96-33-3	10 ppm(35mg/m3/8H)(skin)	or-rat 277mg/kg	
12. Methyl methacrylate	(0404)	MKGW6137V	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20041	2001.6	8.1	80-62-6	100 ppm (410mg/m3/8H)	or-rat 7872mg/kg	
13. Nitrobenzene	(0228)	01213TV	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20220	2001.3	8.2	98-95-3	1 ppm (5mg/m3/8H)(skin)	or-rat 780mg/kg	
14. 2-Nitropropane	(0461)	14002JX	NA	NA	NA	2000	97.3	0.2	NA	0.20560	0.20577	2001.6	8.3	78-46-9	10 ppm (35mg/m3/8H)	or-rat 720mg/kg	
15. Perchloroethane	(0460)	HGA01	NA	NA	NA	2000	98	0.2	NA	0.20413	0.20430	2001.6	8.3	78-01-7	NA	N/A	
16. 1,1,2-Trichlorotrifluoroethane	(0474)	18930	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20225	2001.8	8.2	76-13-1	1000 ppm (7600mg/m3/8H)	or-rat 43g/kg	
17. Bromodichloromethane	35171	101623	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-27-4	NA	N/A	
18. Dibromochloromethane	35171	101623	0.05	5.00	40002.1	2000	NA	NA	0.017	NA	NA	1999.6	23.0	124-48-1	NA	N/A	
19. cis-1,2-Dichloroethene	35171	101623	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	158-59-2	NA	N/A	
20. trans-1,2-Dichloroethene	35171	101623	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.6	23.0	158-60-5	NA	N/A	
21. Methylene chloride	35171	101623	0.05	5.00	40002.8	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-09-2	500 ppm	or-rat 1235mg/kg	
22. 1,1-Dichloroethane	32261	102023	0.10	10.00	20001.6	2000	NA	NA	0.042	NA	NA	1999.7	20.4	75-35-4	1 ppm (4mg/m3/8H)	or-rat 200mg/kg	
23. Bromoform	95321	020724	0.10	10.00	20003.2	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-25-2	0.5 ppm (5mg/m3) (skin)	or-rat 933mg/kg	
24. Carbon tetrachloride	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	58-23-5	2 ppm (12.6mg/m3/8H)	or-rat 2350mg/kg	
25. Chloroform	95321	020724	0.10	10.00	20002.9	2000	NA	NA	0.042	NA	NA	1999.8	20.5	74-95-3	60 ppm (240mg/m3) (CL)	or-rat 908mg/kg	
26. Dibromomethane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-34-3	100 ppm	or-rat 108mg/kg	
27. 1,1-Dichloroethane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	594-20-7	NA	N/A	
28. 2,2-Dichloropropane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-34-3	100 ppm	or-rat 725mg/kg	
29. Trichloroethene	95321	020724	0.10	10.00	20201.1	2000	NA	NA	0.042	NA	NA	2019.8	20.8	127-18-4	25 ppm (170mg/m3/8H)(final)	or-rat 2629mg/kg	
30. 1,1,1-Trichloroethane	95321	020724	0.10	10.00	20003.0	2000	NA	NA	0.042	NA	NA	1999.8	20.5	71-55-6	350 ppm (1900mg/m3/8H)	or-rat 10300mg/kg	
31. 1,2-Dibromo-3-chloropropane	35161	112322	0.05	5.00	40018.5	2000	NA	NA	0.017	NA	NA	2000.3	22.9	86-12-8	0.001 ppm	or-rat 170mg/kg	
32. 1,2-Dibromoethane	35161	112322	0.05	5.00	40024.8	2000	NA	NA	0.017	NA	NA	2000.7	22.9	108-93-4	20 ppm (8H)	or-rat 108mg/kg	
33. 1,2-Dichloropropane	35161	112322	0.05	5.00	40005.1	2000	NA	NA	0.017	NA	NA	2000.4	22.9	107-06-2	50 ppm (8H)	or-rat 670mg/kg	
34. 1,2-Dichloroethane	35161	112322	0.05	5.00	40005.9	2000	NA	NA	0.017	NA	NA	2002.0	22.9	78-87-5	75 ppm (350mg/m3/8H)	or-rat 1947mg/kg	
35. 1,3-Dichloropropane	35161	112322	0.05	5.00	40005.9	2000	NA	NA	0.017	NA	NA	1999.8	22.9	142-28-9	NA	or-mus 3600mg/kg	
36. 1,1-Dichloropropane	35161	112322	0.05	5.00	40001.2	2000	NA	NA	0.017	NA	NA	2000.0	23.0	10081-01-5	NA	N/A	
37. cis-1,3-Dichloropropane	35161	112322	0.05	5.00	40010.0	2000	NA	NA	0.017	NA	NA	2000.0	23.0	10081-02-6	NA	N/A	
38. trans-1,3-Dichloropropane	35161	112322	0.05	5.00	40017.6	2000	NA	NA	0.017	NA	NA	2000.4	23.0	10081-02-6	NA	N/A	
39. Hexachloro-1,3-butadiene	35161	112322	0.05	5.00	40021.9	2000	NA	NA	0.017	NA	NA	2000.6	29.7	87-68-3	0.02 ppm (0.24mg/m3/8H)	or-rat 82mg/kg	
40. 1,1,1,2-Tetrachloroethane	35161	112322	0.05	5.00	40011.9	2000	NA	NA	0.017	NA	NA	2000.1	22.9	830-20-6	NA	or-rat 670mg/kg	
41. 1,1,2,2-Tetrachloroethane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.9	22.9	79-34-5	5 ppm (35mg/m3/8H)(skin)	or-rat 800mg/kg	
42. 1,1,2-Trichloroethane	35161	112322	0.05	5.00	40006.6	2000	NA	NA	0.017	NA	NA	1999.8	23.0	79-00-5	10 ppm (45mg/m3/8H)(skin)	or-rat 936mg/kg	
43. Trichloroethene	35161	112322	0.05	5.00	40029.0	2000	NA	NA	0.017	NA	NA	2000.9	22.9	79-01-6	50 ppm (270mg/m3/8H)	or-mus 2402mg/kg	
44. 1,2,3-Trichloropropane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.9	22.9	98-18-4	10 ppm (60mg/m3/8H)	or-rat 149.8mg/kg	
45. Benzene	35162	050823	0.05	5.00	40006.0	2000	NA	NA	0.017	NA	NA	1999.7	22.9	71-43-2	1 ppm	or-rat 4894mg/kg	
46. Bromobenzene	35162	050823	0.05	5.00	40006.9	2000	NA	NA	0.017	NA	NA	1999.8	22.9	104-51-8	NA	or-rat 2699mg/kg	
47. n-Butyl benzene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-41-4	100 ppm (435mg/m3/8H)	or-rat >2000mg/kg	
48. Ethyl benzene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	99-87-6	NA	or-rat 4750mg/kg	
49. p-Isopropyl toluene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	91-20-3	10 ppm (50mg/m3/8H)	or-rat 490mg/kg	
50. Naphthalene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-42-5	100 ppm	or-rat 5000mg/kg	
51. Styrene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-98-3	200 ppm	or-rat 5000mg/kg	
52. Toluene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.7	22.9	87-81-6	NA	or-rat 1390mg/kg	
53. 1,2,3-Trichlorobenzene	35162	050823	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.8	22.9	120-82-1	5 ppm (CL) (40mg/m3)	or-rat 756mg/kg	
54. 1,2,4-Trichlorobenzene	35162	050823	0.05	5.00	40006.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	95-63-6	NA	or-rat 5g/kg	
55. 1,2,4-Trimethylbenzene	35162	050823	0.05	5.00	40001.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-87-8	NA	or-rat 5000mg/kg	
56. 1,3,5-Trimethylbenzene	35162	050823	0.05	5.00	40006.7	2000	NA	NA	0.017	NA	NA	1999.8	23.0	95-63-6	NA	or-rat 5g/kg	
57. m-Xylene	35162	050823	0.05	5.00	40006.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-87-8	NA	or-rat 5000mg/kg	
58. tert-Butyl benzene	35163	101923	0.05	5.00	40001.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-38-3	100 ppm (435mg/m3/8H)	or-rat 5g/kg	
59. sec-Butyl benzene	35163	101923	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.8	22.9	98-06-6	NA	N/A	
60. Chlorobenzene	35163	101923	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	135-98-8	NA	N/A	
61. 2-Chlorotoluene	35163	101923	0.05	5.00	40003.3	2000	NA	NA	0.017	NA	NA	1999.7	22.9	108-90-7	75 ppm (350mg/m3/8H)	or-rat 2240mg/kg	
62. 4-Chlorotoluene	35163	101923	0.05	5.00	40003.3	2000	NA	NA	0.017	NA	NA	1999.5	22.9	95-49-8	50 ppm (250mg/m3/8H)	or-rat 2290mg/kg	
63. 1,2-Dichlorobenzene	35163	101923	0.05	5.00	40003.3	2000	NA	NA	0.017	NA	NA	1999.7	22.9	106-43-4	NA	or-rat 3900mg/kg	
64. 1,3-Dichlorobenzene	35163	101923	0.05	5.00	40003.3												



Run 16, "P95317 L021624 (2000µg/mL in MeOH)"

Run Length: 60.00 min, 35998 points at 10 points/second.
Created: Sat, Feb 17, 2024 at 8:56:46 AM.
Sampled: Sequence "021624-GC5M1", Method "GC5-M1".
Analyzed using Method "GC5-M1".

Comments
GC5-M1 Analysis by Candice Warren
Column ID SPB-Vocol 105 meter X 0.53mm X 3.0µm film thickness
Flow rates: Total flow=290mL/min., Helium (carrier)=10mL/min.,
Helium(make-up)=10mL/min., Hydrogen(make-up)=40mL/min., Air(make-up)=230mL/min.
Oven Profile: Temp. 1=35°C (Time 1=10 min.), Temp 2=200°C (Time 2=8.75 min.),
Rate = 4°C/min., Total run time=60 min. Injector temp.=200°C, FID Temp.=200°C.
FID Signal = Edaq Channel 1
Standard injection = 0.5µL, Range=3



Peak #	Name	FID RT (min.)
1	Ether	9.97
2	1,1,2-Trichloro-1,2,2-trifluoroethane	10.53
3	1,1-Dichloroethane	11.10
4	Acetonitrile	12.60
5	Iodomethane	12.91
6	Allyl chloride	12.96
7	Carbon disulfide/Methylene chloride	13.04
8	trans-1,2-Dichloroethane	14.07
9	1,1-Dichloroethane	15.74
10	2,2-Dichloropropane	17.74
11	cis-1,2-Dichloroethane	18.00
12	Methoxyvinyltoluene/Methyl acrylate/Chloroform	18.49
13	Isobutanol/1,1,1-Trichloroethane	18.91
14	1,1-Dichloropropane	20.46
15	Carbon tetrachloride	20.79
16	Benzene/1,2-Dichloroethane	21.48
17	Trichloroethane	23.88
18	1,2-Dichloropropane	24.62
19	Methyl methacrylate	25.13
20	Bromochloropropane	25.46
21	Dibromomethane/2,2-Dichloropropane	27.07
22	cis-1,2-Dichloropropane	28.03
23	Toluene	28.73
24	Ethyl methacrylate/Trans-1,2-Dichloropropane	29.34
25	1,1,2-Trichloroethane	30.34
26	Tetrachloroethane/1,2-Dichloropropane	31.16
27	Dibromochloromethane	32.84
28	1,2-Dibromomethane	33.26
29	Chlorobenzene	33.40
30	Ethylbenzene/1,1,1,2-Tetrachloroethane	33.85
31	m-Xylene/p-Xylene	35.33
32	o-Xylene	35.70
33	Styrene	35.76
34	Isopropylbenzene/Bromofarm	36.48
35	cis-1,4-Dichloro-3-butene	36.80
36	1,1,2-Trichloropropane	37.23
37	n-Propylbenzene	37.72
38	trans-1,4-Dichloro-3-butene	37.92
39	Bromobenzene	38.05
40	1,3,5-Trimethylbenzene	38.14
41	1,3,5-Trimethylbenzene	38.50
42	Chlorobenzene	38.63
43	4-Chlorobenzene	38.77
44	tert-Butylbenzene	39.76
45	1,2,4-Trimethylbenzene	39.91
46	Pentachloroethane	40.17
47	sec-Butylbenzene	40.52
48	p-Isopropyltoluene	41.02
49	1,3-Trichlorobenzene	41.42
50	1,4-Dichlorobenzene	41.83
51	n-Butylbenzene	42.52
52	1,2-Dichlorobenzene	42.18
53	1,2-Dibromo-3-chloropropane	46.12
54	Nitrobenzene	46.40
55	1,2,4-Trifluorobenzene	49.28
56	Hexachlorocyclopentadiene	49.72
57	Naphthalene	50.56
58	1,2,3-Trichlorobenzene	51.16

Safety Data Sheet (SDS)

GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY ANALYTICAL STANDARD DISSOLVED IN METHANOL

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	1-800-535-5053
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International	1-352-323-3500
		Date Prepared/Revised	January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225 H370 P271 P302,332	Highly Flammable Liquid and Vapor Cause damage to organs Use in ventilated area If on skin, wash with soap and water	H301, 311, 331 H351 P280 P305,351,338	Toxic if swallowed, skin contact, inhaled Suspected of causing cancer Use gloves, eye protection/face shield If in eyes, remove contacts, rinse with water
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Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))	CAS#	% (optional)
Methanol METHYL ALCOHOL	67-56-1	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance. Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.
Storage Conditions	Use ventilation. Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol	67-56-1 TWA 200 ppm
Skin notation	TWA 200 ppm
Potential for skin absorption	ingestion and inhalation.
Personal protective equipment	Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing.	Wash hands thoroughly after handling the product.

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H ₂ O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6
Solubility in Water	COMPLETE		
Appearance and Odor	CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.		

Section X. STABILITY AND REACTIVITY

Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	Vapours may form explosive mixture with air.
Conditions to avoid	Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid	Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions.	- Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50 15,400 mg/l - 96 h
EC50 24,500.00 mg/l - 48 h
EC100 10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)	IATA
UN number: 1230 Class: 3 Packing group: II	UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol	Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.



Certified Reference Material CRM

Dec 09/17/24

2 vials

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

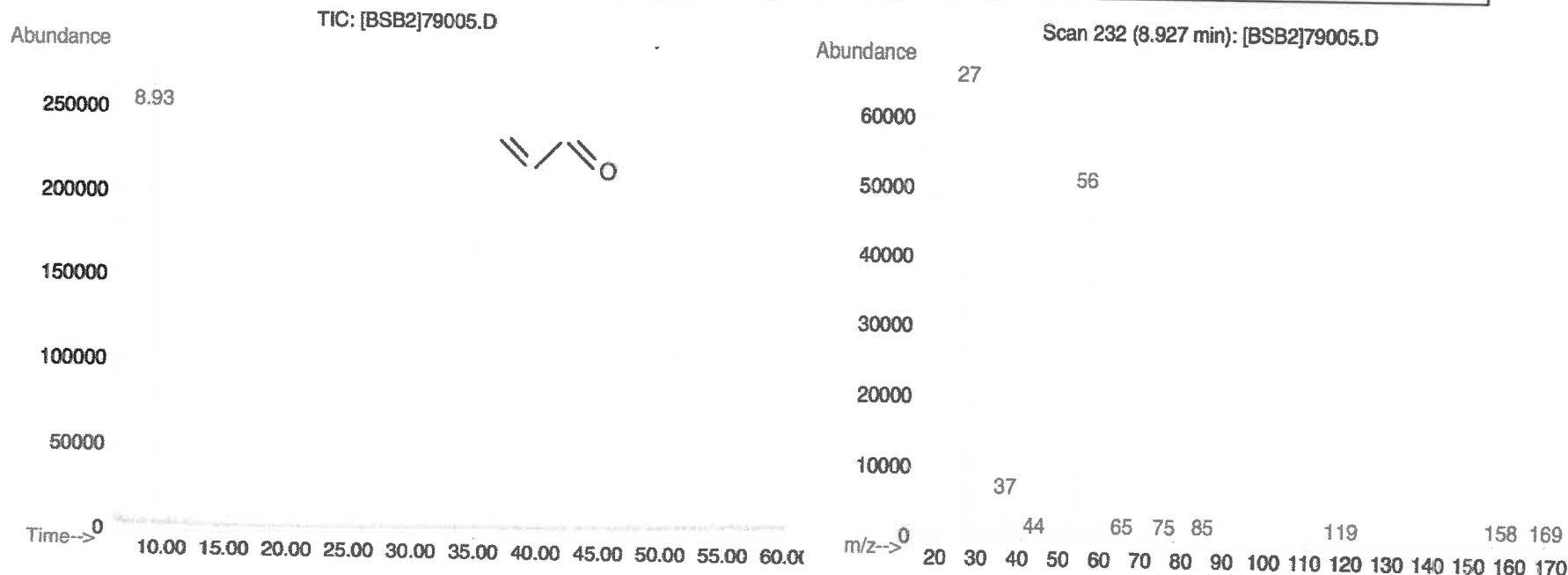
CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 091424
Description: AcroleinSolvent(s): Water
Lot#: 072324QExpiration Date: 101424
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTBWeight(s) shown below were combined and diluted to (mL): 10.0
5E-05 Balance Uncertainty
0.001 Flask Uncertainty

Formulated By:	Justin Dippold
091424 DATE	
Reviewed By:	Pedro L. Rentas
091424 DATE	

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.)		
										CAS#	OSHA PEL (TWA)	LD50
1. Acrolein	5	103755V10F	5000	97	0.5	0.05166	0.05175	5008.9	52.5	107-02-8	0.1 ppm	ori-rat 46mg/kg

Method: GC6MSD-1. Detector: Mass Selective Detector (Scan mode). Column: Vocol (60m X 0.25mm ID X 1.5µm film thickness). Oven Profile: Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2 = 200°C (Time 2 = 8.75 min.), Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. Analyst: Pedro Rentas. NOTE: Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately. Long term storage is not recommended. Please contact our technical department if further information is required.



- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).



Certified Reference Material CRM

Dec 09/17/24

2 vials

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

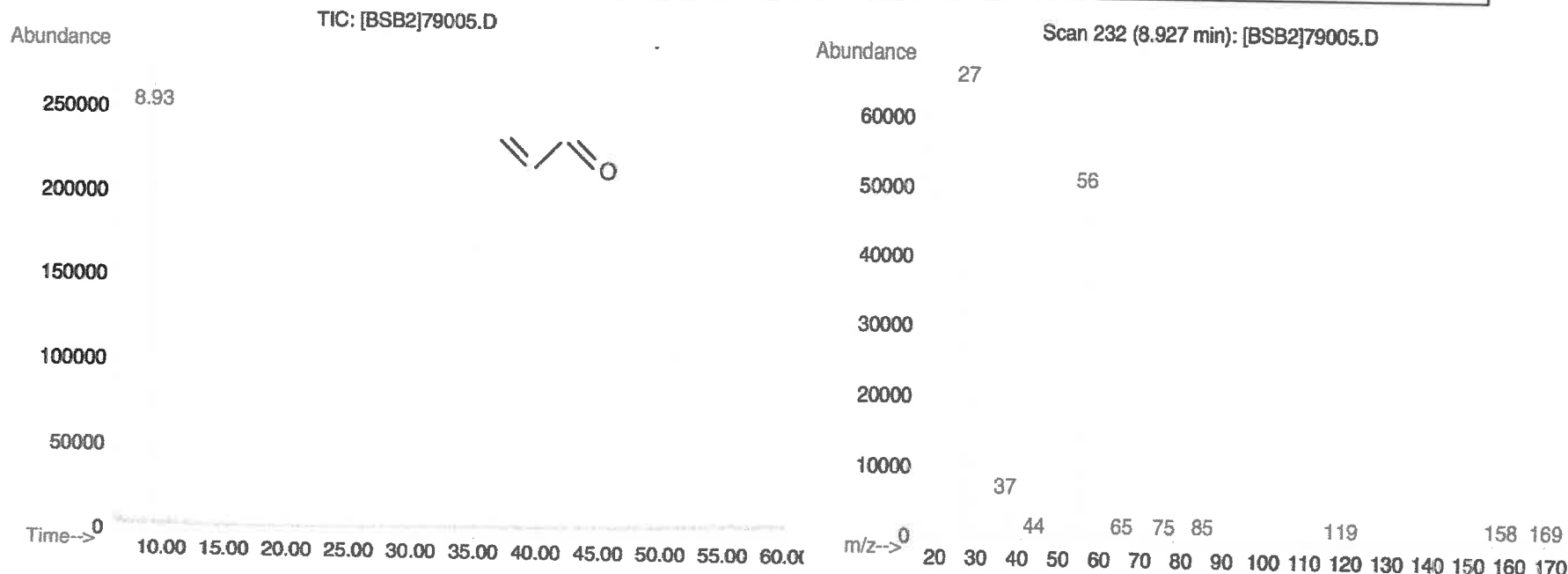
CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 091424
Description: AcroleinSolvent(s):
Water Lot# 072324QExpiration Date: 101424
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTBWeight(s) shown below were combined and diluted to (mL): 10.0
5E-05 Balance Uncertainty
0.001 Flask Uncertainty

Formulated By:	Justin Dippold
091424 DATE	
Reviewed By:	Pedro L. Rentas
091424 DATE	

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.)		
										CAS#	OSHA PEL (TWA)	LD50
1. Acrolein	5	103755V10F	5000	97	0.5	0.05166	0.05175	5008.9	52.5	107-02-8	0.1 ppm	ori-rat 46mg/kg

Method: GC6MSD-1. Detector: Mass Selective Detector (Scan mode). Column: Vocol (60m X 0.25mm ID X 1.5µm film thickness). Oven Profile: Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2 = 200°C (Time 2 = 8.75 min.), Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. Analyst: Pedro Rentas. NOTE: Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately. Long term storage is not recommended. Please contact our technical department if further information is required.



- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).



Certified Reference Material CRM



CERTIFIED WEIGHT REPORT

Part Number: **95318**
Lot Number: **120524**
Description: **2-Chloroethyl vinyl ether**

Solvent(s):
Methanol

Lot#
EJ143-US

Expiration Date: **120527**
Recommended Storage: **Refrigerate (4 °C)**
Nominal Concentration (µg/mL): **10000**
NIST Test ID#: **6UTB**

Weight(s) shown below were combined and diluted to (mL): **50.0**

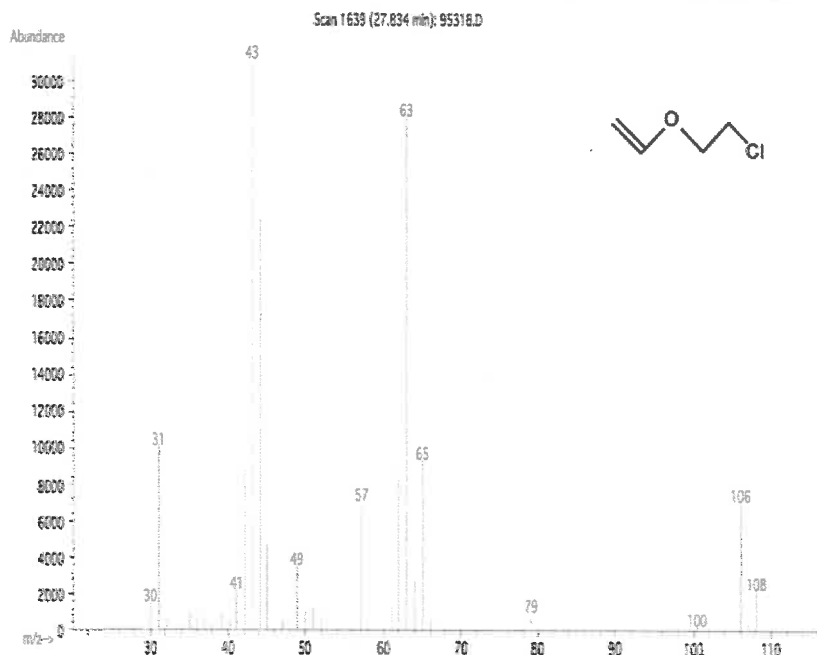
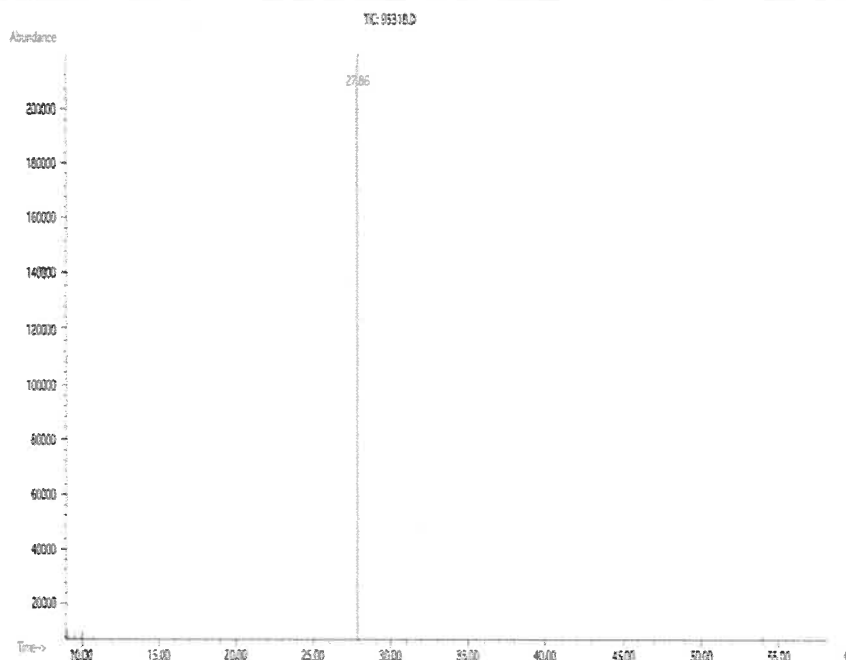
5E-05 Balance Uncertainty
0.001 Flask Uncertainty

Prashant Chauhan 120524
Formulated By: Prashant Chauhan DATE
Pedro L. Rentas 120524
Reviewed By: Pedro L. Rentas DATE

✓ 14630 to
✓ 14649

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.)		
										CAS#	OSHA PEL (TWA)	LD50
1. 2-Chloroethyl vinyl ether	74	MKCD0033	10000	99	0.2	0.50536	0.50550	10002.9	40.5	110-75-8	N/A	ori-rat 250mg/kg

Method: GC6MSD-1.M. Detector: MSD. Column: (60m X 0.25mm X 1.5 µm). Oven Profile: Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., Injector B Temp = 200°C, Detector B Temp = 220°C. Analyst: Candice Warren.



- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Safety Data Sheet (SDS)

GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY ANALYTICAL STANDARD DISSOLVED IN METHANOL

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	1-800-535-5053
Address	44 Rossotto Dr.	Emergency Telephone International	1-352-323-3500
	Hamden CT, 06514	Date Prepared/Revised	January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	Highly Flammable Liquid and Vapor	H301, 311, 331	Toxic if swallowed, skin contact, inhaled
H370	Cause damage to organs	H351	Suspected of causing cancer
P271	Use in ventilated area	P280	Use gloves, eye protection/face shield
P302,332	If on skin, wash with soap and water	P305,351,338	If in eyes, remove contacts, rinse with water



Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))		% (optional)
Methanol	METHYL ALCOHOL	CAS#: 67-56-1 > 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance. Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation. Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol	67-56-1	TWA 200 ppm
Skin notation		TWA 200 ppm
Potential for skin absorption, ingestion and inhalation.		
Personal protective equipment	Respiratory protection	Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.		

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H ₂ O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6
Solubility in Water	COMPLETE		
Appearance and Odor	CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.		

Section X. STABILITY AND REACTIVITY

Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	Vapours may form explosive mixture with air.
Conditions to avoid	Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid	Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions.	- Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50 15,400 mg/l - 96 h
EC50 24,500.00 mg/l - 48 h
EC100 10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)	IATA
UN number: 1230 Class: 3 Packing group: II	UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol	Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.



Certified Reference Material CRM



CERTIFIED WEIGHT REPORT

Part Number: **95318**
Lot Number: **120524**
Description: **2-Chloroethyl vinyl ether**

Solvent(s):
Methanol

Lot#
EJ143-US

Expiration Date: **120527**
Recommended Storage: **Refrigerate (4 °C)**
Nominal Concentration (µg/mL): **10000**
NIST Test ID#: **6UTB**

Weight(s) shown below were combined and diluted to (mL): **50.0**

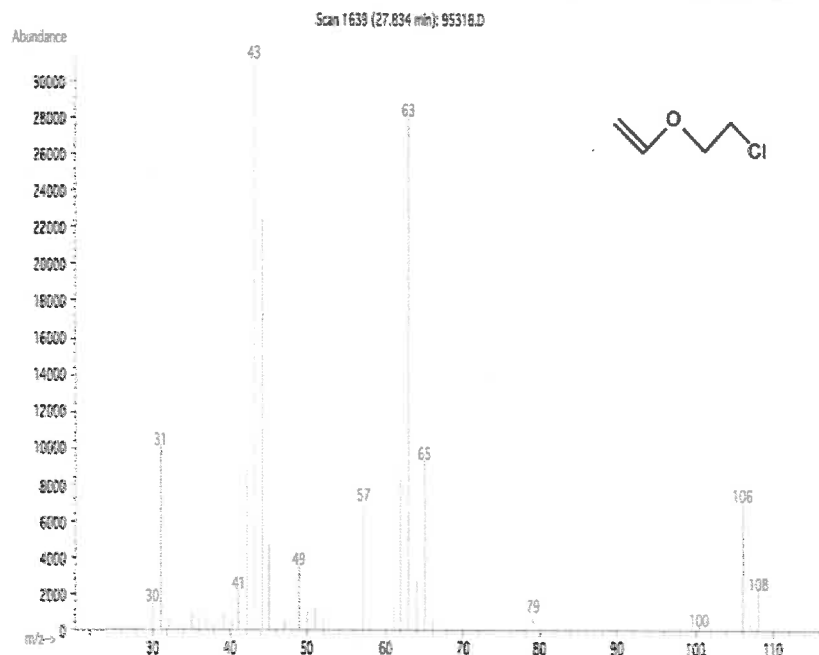
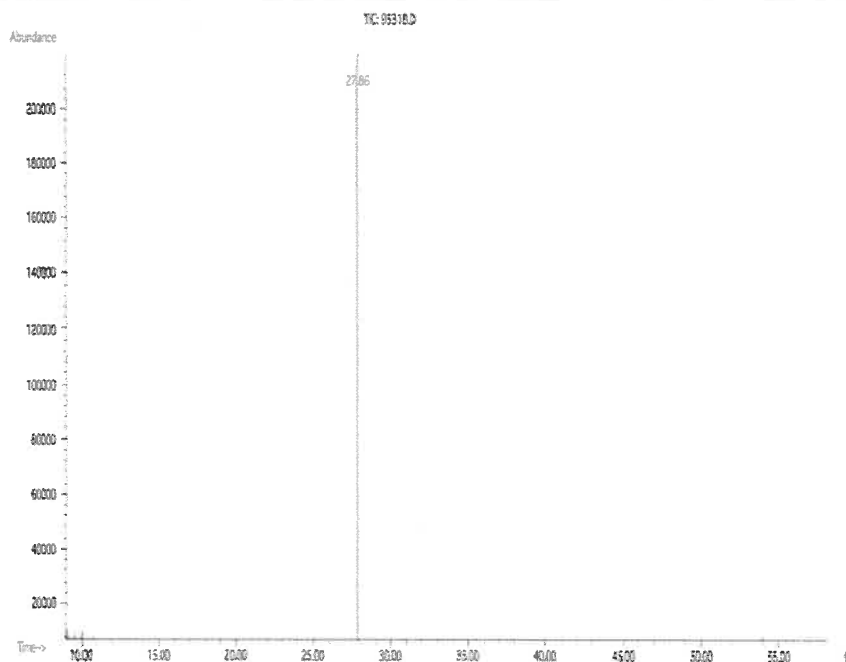
5E-05 Balance Uncertainty
0.001 Flask Uncertainty

Prashant Chauhan 120524
Formulated By: Prashant Chauhan DATE
Pedro L. Rentas 120524
Reviewed By: Pedro L. Rentas DATE

✓ 14630 to
✓ 14649

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.)		
										CAS#	OSHA PEL (TWA)	LD50
1. 2-Chloroethyl vinyl ether	74	MKCD0033	10000	99	0.2	0.50536	0.50550	10002.9	40.5	110-75-8	N/A	ori-rat 250mg/kg

Method: GC6MSD-1.M. Detector: MSD. Column: (60m X 0.25mm X 1.5 µm). Oven Profile: Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min.,
Injector B Temp = 200°C, Detector B Temp = 220°C. Analyst: Candice Warren.



- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Safety Data Sheet (SDS)

GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY ANALYTICAL STANDARD DISSOLVED IN METHANOL

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	1-800-535-5053
Address	44 Rossotto Dr.	Emergency Telephone International	1-352-323-3500
	Hamden CT, 06514	Date Prepared/Revised	January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	Highly Flammable Liquid and Vapor	H301, 311, 331	Toxic if swallowed, skin contact, inhaled
H370	Cause damage to organs	H351	Suspected of causing cancer
P271	Use in ventilated area	P280	Use gloves, eye protection/face shield
P302,332	If on skin, wash with soap and water	P305,351,338	If in eyes, remove contacts, rinse with water



Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))		% (optional)
Methanol	METHYL ALCOHOL	> 97
	CAS#: 67-56-1	

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance. Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation. Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol	67-56-1	TWA 200 ppm
Skin notation		TWA 200 ppm
Potential for skin absorption, ingestion and inhalation.		
Personal protective equipment	Respiratory protection	Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.		

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H ₂ O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6
Solubility in Water	COMPLETE		
Appearance and Odor	CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.		

Section X. STABILITY AND REACTIVITY

Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	Vapours may form explosive mixture with air.
Conditions to avoid	Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid	Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions.	- Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50 15,400 mg/l - 96 h
EC50 24,500.00 mg/l - 48 h
EC100 10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)	IATA
UN number: 1230 Class: 3 Packing group: II	UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol	Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.



Certified Reference Material CRM



See 1216124
20 vial

CERTIFIED WEIGHT REPORT

Part Number: 95318
Lot Number: 120524
Description: 2-Chloroethyl vinyl ether

Solvent(s): Lot#
Methanol EJ143-US

Expiration Date: 120527
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 10000
NIST Test ID#: 6UTB

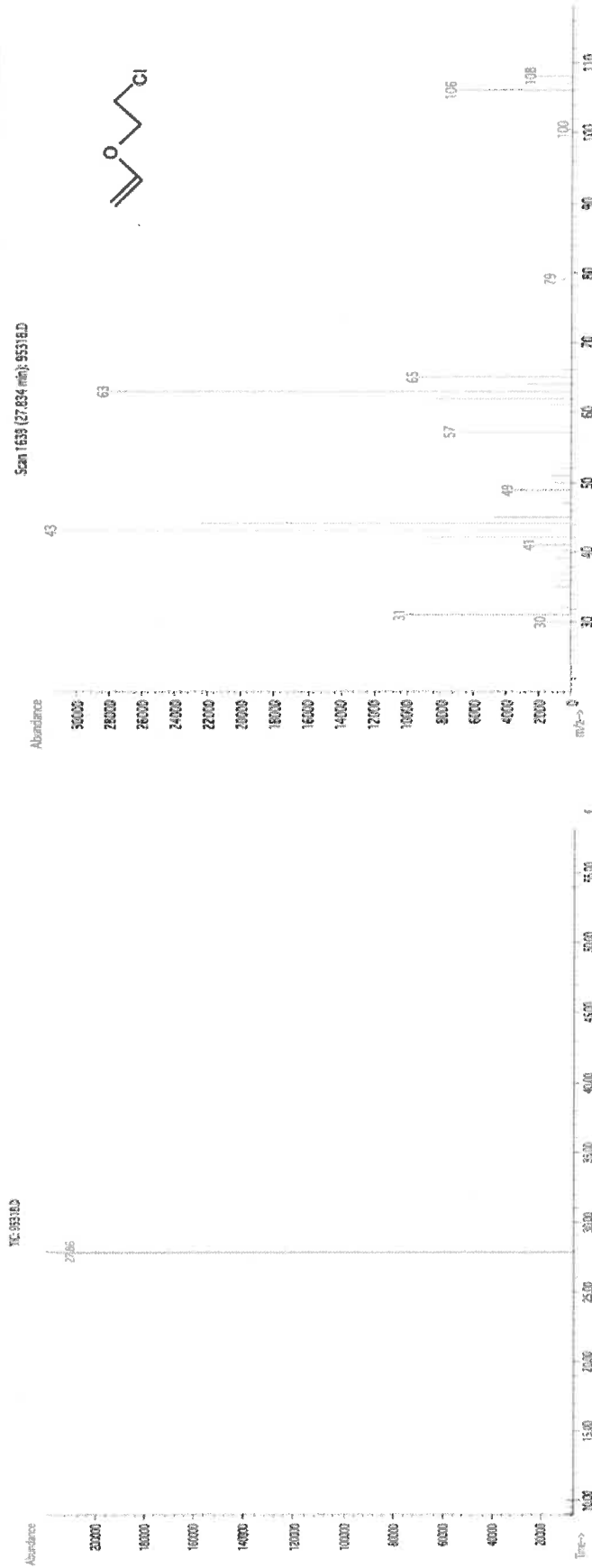
Formulated By: Prashant Chauhan 120524
Reviewed By: Pedro L. Rentas 120524

Weight(s) shown below were combined and diluted to (mL):

5E-05 Balance Uncertainty
0.001 Flask Uncertainty

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Purity Uncertainty	Target Weight (g)	Actual Weight (g)	Actual Conc (µg/mL)	Expanded Uncertainty (±) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.)
1. 2-Chloroethyl vinyl ether	74	MKCD0033	10000	99	0.2	0.50536	0.50550	10002.9	40.5	110-75-8 N/A or-rat 250mg/kg

Method: GC/MSD-1.M. **Detector:** MSD. **Column:** (60m X 0.25mm X 1.5 µm). **Oven Profile:** Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., **Injector B Temp:** = 200°C, **Detector B Temp.** = 220°C. **Analyst:** Candice Warren.



* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certified (±) 0.5% of the stated value, unless otherwise stated.
* All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
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Safety Data Sheet (SDS)

GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY ANALYTICAL STANDARD DISSOLVED IN METHANOL

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	1-800-535-5053
Address	44 Rossotto Dr.	Emergency Telephone International	1-352-323-3500
	Hamden CT, 06514	Date Prepared/Revised	January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	Highly Flammable Liquid and Vapor	H301, 311, 331	Toxic if swallowed, skin contact, inhaled
H370	Cause damage to organs	H351	Suspected of causing cancer
P271	Use in ventilated area	P280	Use gloves, eye protection/face shield
P302,332	If on skin, wash with soap and water	P305,351,338	If in eyes, remove contacts, rinse with water



Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))		% (optional)
Methanol	METHYL ALCOHOL	> 97
	CAS#: 67-56-1	

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance. Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
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If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

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Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
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Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation. Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol	67-56-1	TWA 200 ppm
Skin notation		TWA 200 ppm
Potential for skin absorption, ingestion and inhalation.		
Personal protective equipment	Respiratory protection	Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.		

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H ₂ O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6
Solubility in Water	COMPLETE		
Appearance and Odor	CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.		

Section X. STABILITY AND REACTIVITY

Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	Vapours may form explosive mixture with air.
Conditions to avoid	Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid	Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions.	- Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50 15,400 mg/l - 96 h
EC50 24,500.00 mg/l - 48 h
EC100 10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)	IATA
UN number: 1230 Class: 3 Packing group: II	UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol	Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

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Certified Reference Material CRM



CERTIFIED WEIGHT REPORT

Part Number: **95318**
Lot Number: **120524**
Description: **2-Chloroethyl vinyl ether**

Solvent(s):
Methanol

Lot#
EJ143-US

Expiration Date: **120527**
Recommended Storage: **Refrigerate (4 °C)**
Nominal Concentration (µg/mL): **10000**
NIST Test ID#: **6UTB**

Weight(s) shown below were combined and diluted to (mL): **50.0**

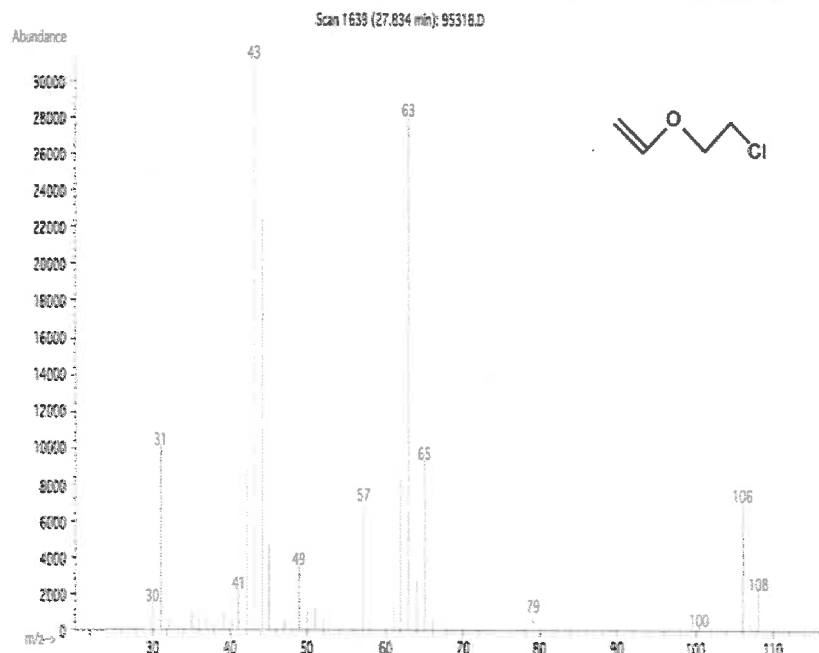
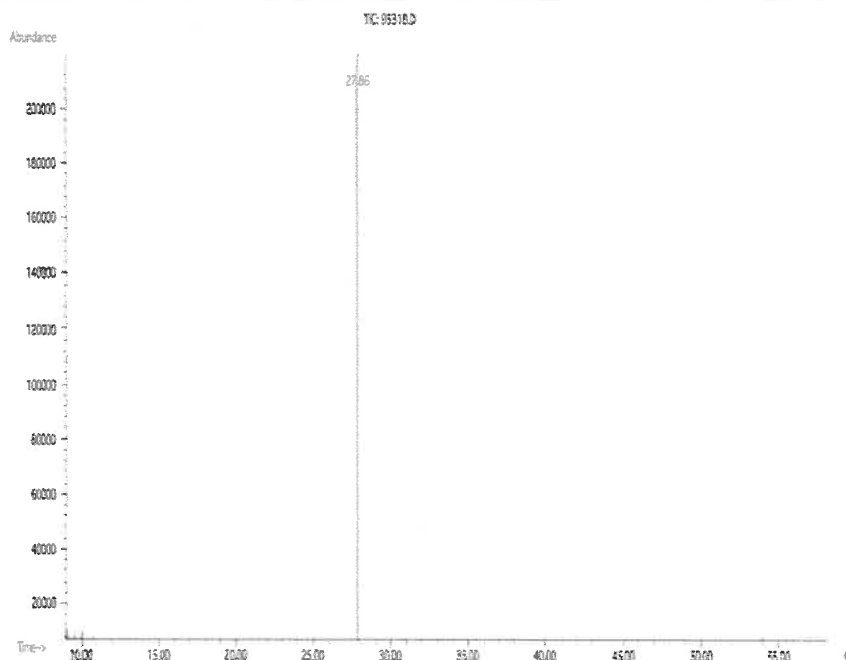
5E-05 Balance Uncertainty
0.001 Flask Uncertainty

Prashant Chauhan 120524
Formulated By: Prashant Chauhan DATE
Pedro L. Rentas 120524
Reviewed By: Pedro L. Rentas DATE

✓ 14630 to
✓ 14649

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.)		
										CAS#	OSHA PEL (TWA)	LD50
1. 2-Chloroethyl vinyl ether	74	MKCD0033	10000	99	0.2	0.50536	0.50550	10002.9	40.5	110-75-8	N/A	ori-rat 250mg/kg

Method: GC6MSD-1.M. Detector: MSD. Column: (60m X 0.25mm X 1.5 µm). Oven Profile: Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min.,
Injector B Temp = 200°C, Detector B Temp = 220°C. Analyst: Candice Warren.



- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Safety Data Sheet (SDS)

GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY ANALYTICAL STANDARD DISSOLVED IN METHANOL

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	1-800-535-5053
Address	44 Rossotto Dr.	Emergency Telephone International	1-352-323-3500
	Hamden CT, 06514	Date Prepared/Revised	January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	Highly Flammable Liquid and Vapor	H301, 311, 331	Toxic if swallowed, skin contact, inhaled
H370	Cause damage to organs	H351	Suspected of causing cancer
P271	Use in ventilated area	P280	Use gloves, eye protection/face shield
P302,332	If on skin, wash with soap and water	P305,351,338	If in eyes, remove contacts, rinse with water



Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))		% (optional)
Methanol	METHYL ALCOHOL	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance. Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation. Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol	67-56-1	TWA 200 ppm
Skin notation		TWA 200 ppm
Potential for skin absorption, ingestion and inhalation.		
Personal protective equipment	Respiratory protection	Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.		

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H ₂ O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6
Solubility in Water	COMPLETE		
Appearance and Odor	CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.		

Section X. STABILITY AND REACTIVITY

Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	Vapours may form explosive mixture with air.
Conditions to avoid	Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid	Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions.	- Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50 15,400 mg/l - 96 h
EC50 24,500.00 mg/l - 48 h
EC100 10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)	IATA
UN number: 1230 Class: 3 Packing group: II	UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol	Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30067 **Lot No.:** A0191805

Description : 4-Bromofluorobenzene Standard

4-Bromofluorobenzene Standard 2,500µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1-Bromo-4-fluorobenzene (BFB)	460-00-4	184975	99%	2,483.9 µg/mL	+/- 139.5488

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:

105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:

hydrogen-constant pressure 11.0 psi.

Temp. Program:

40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:

200°C

Det. Temp:

250°C

Det. Type:

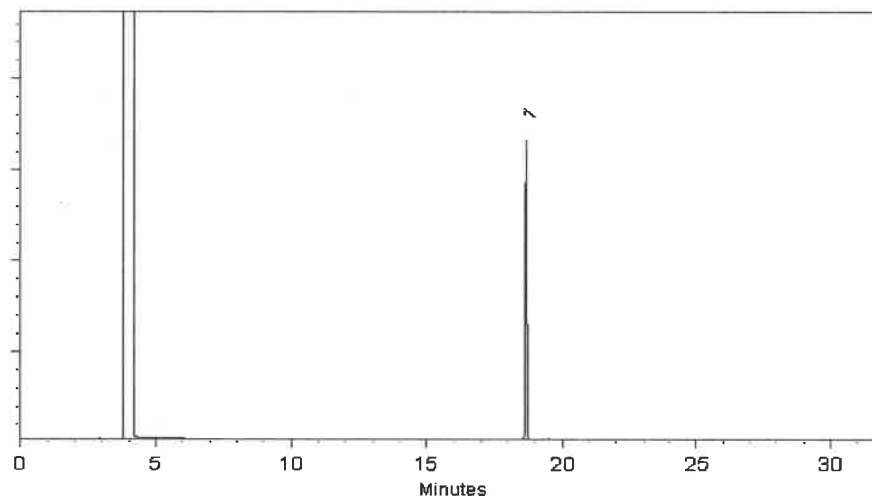
FID

Split Vent:

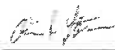
40 ml/min

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Alicia Leathers - Operation Technician I

Date Mixed: 17-Nov-2022

Balance Serial # B251644995


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 21-Nov-2022

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



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Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30489 **Lot No.:** A0209618

Description : 8260B Acetates Mix

8260B Acetates Mix 2,000 µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2025 **Storage:** -20°C or colder

Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty* (95% C.L.; K=2)
1	Methyl acetate	79-20-9	SHBP3100	99%	2,019.3 µg/mL	+/- 69.7974
2	Vinyl acetate	108-05-4	RP231030CTH	98%	2,016.8 µg/mL	+/- 69.7112
3	Ethyl acetate	141-78-6	SHBQ9682	99%	2,010.7 µg/mL	+/- 69.4979
4	Isopropyl acetate	108-21-4	BCCG7069	99%	2,016.0 µg/mL	+/- 69.6822
5	Propyl acetate	109-60-4	P8XLN	99%	2,008.0 µg/mL	+/- 69.4057
6	Butyl acetate	123-86-4	SHBP6314	99%	2,007.3 µg/mL	+/- 69.3826
7	Amyl acetate	628-63-7	41325/1	97%	2,004.7 µg/mL	+/- 69.2905

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods. Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this

reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

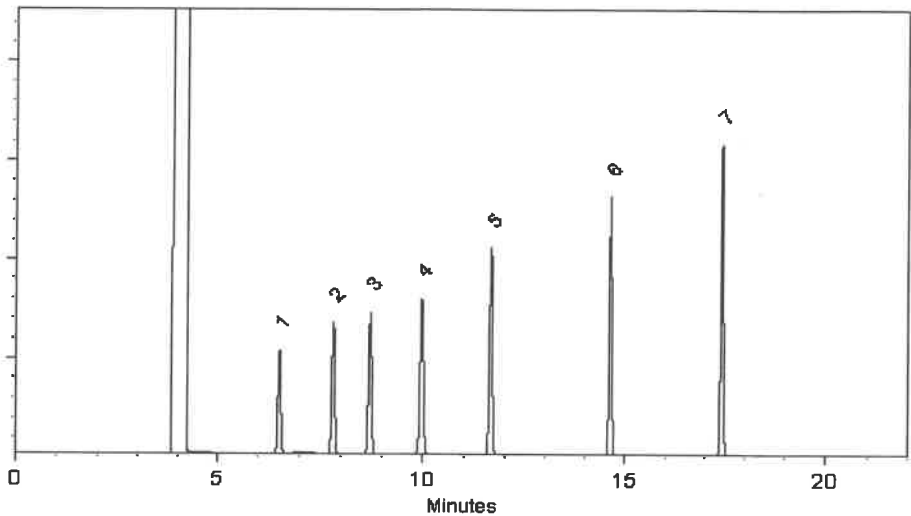
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler
Sam Moodler - Operations Tech I

Date Mixed: 28-Mar-2024 Balance Serial # B707717271

Dylan Murphy
Dylan Murphy - Operations Technician I

Date Passed: 01-Apr-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30489 **Lot No.:** A0209618

Description : 8260B Acetates Mix

8260B Acetates Mix 2,000 µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2025 **Storage:** -20°C or colder

Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty* (95% C.L.; K=2)
1	Methyl acetate	79-20-9	SHBP3100	99%	2,019.3 µg/mL	+/- 69.7974
2	Vinyl acetate	108-05-4	RP231030CTH	98%	2,016.8 µg/mL	+/- 69.7112
3	Ethyl acetate	141-78-6	SHBQ9682	99%	2,010.7 µg/mL	+/- 69.4979
4	Isopropyl acetate	108-21-4	BCCG7069	99%	2,016.0 µg/mL	+/- 69.6822
5	Propyl acetate	109-60-4	P8XLN	99%	2,008.0 µg/mL	+/- 69.4057
6	Butyl acetate	123-86-4	SHBP6314	99%	2,007.3 µg/mL	+/- 69.3826
7	Amyl acetate	628-63-7	41325/1	97%	2,004.7 µg/mL	+/- 69.2905

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol

CAS # 67-56-1

Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods. Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this

reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

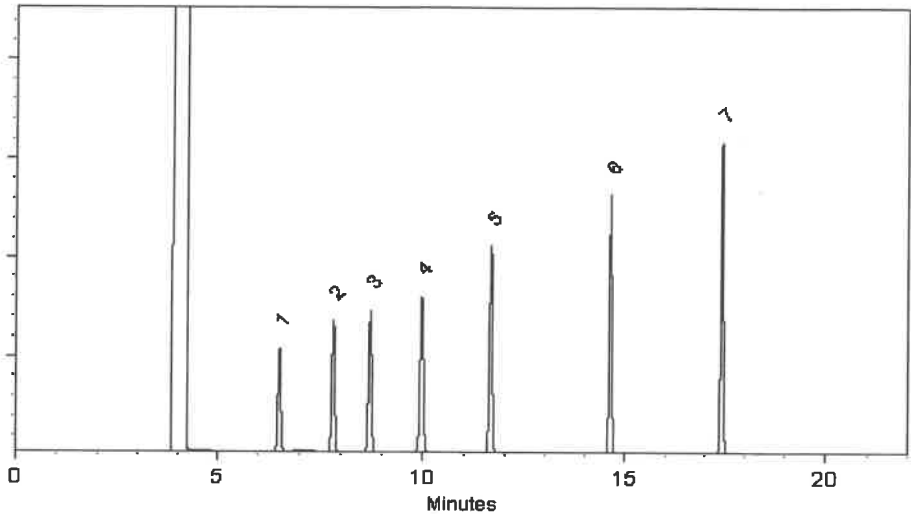
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler
Sam Moodler - Operations Tech I

Date Mixed: 28-Mar-2024 Balance Serial # B707717271

Dylan Murphy
Dylan Murphy - Operations Technician I

Date Passed: 01-Apr-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/ μ ECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555581 **Lot No.:** A0210184

Description : Custom 8260 Internal Standard Mix

Custom 8260 Internal Standard Mix 25,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

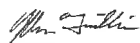
Expiration Date : April 30, 2027 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	25,212.0 µg/mL	+/- 1,427.8857
2	1,4-Difluorobenzene	540-36-3	MKCS8657	99%	25,220.0 µg/mL	+/- 1,428.3388
3	Chlorobenzene-d5	3114-55-4	PR-31132	99%	25,116.0 µg/mL	+/- 1,422.4487
4	Pentafluorobenzene	363-72-4	MKCR9383	99%	25,180.0 µg/mL	+/- 1,426.0734

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%


John Friedline - Operations Technician I

Date Mixed: 11-Apr-2024

Balance: 1127510105

REVISED
By: Restek America, Inc. 11/15/2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

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- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

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- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



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Dec 12/17/24
30 v. 4
CERTIFIED REFERENCE MATERIAL

Certificate of Analysis
chromatographic plus
V14697-to-14726



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30006 **Lot No.:** A0210618
Description : VOA Calibration Mix #1
VOA Calibration Mix #1 5,000µg/mL, P&T Methanol/Water(90:10), 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : July 31, 2027 **Storage:** 0°C or colder
Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1	SHBQ8504	99%	5,014.8 µg/mL	+/- 173.2883
2	2-Butanone (MEK)	78-93-3	SHBQ4704	99%	5,012.4 µg/mL	+/- 173.2054
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP9200	99%	5,011.6 µg/mL	+/- 173.1777
4	2-Hexanone	591-78-6	MKCQ6663	99%	5,013.0 µg/mL	+/- 173.2261

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

Quality Confirmation Test

Column:

105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:

hydrogen-constant pressure 11.0 psi.

Temp. Program:

40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:

200°C

Det. Temp:

250°C

Det. Type:

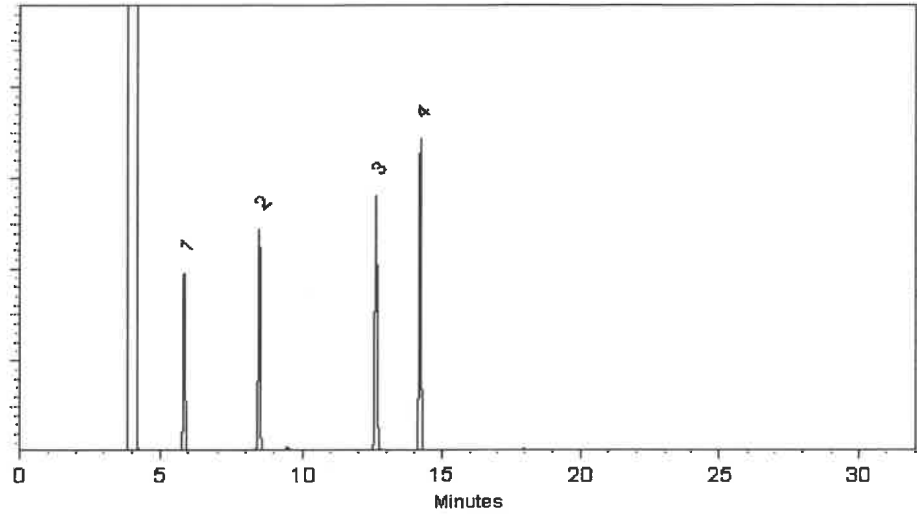
FID

Split Vent:

40 ml/min

Inj. Vol

1µl

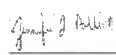


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Dakota Parson - Operations Technician I

Date Mixed: 22-Apr-2024

Balance Serial # B707717271


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Apr-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30006 **Lot No.:** A0210618
Description : VOA Calibration Mix #1
VOA Calibration Mix #1 5,000µg/mL, P&T Methanol/Water(90:10), 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : July 31, 2027 **Storage:** 0°C or colder
Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1	SHBQ8504	99%	5,014.8 µg/mL	+/- 173.2883
2	2-Butanone (MEK)	78-93-3	SHBQ4704	99%	5,012.4 µg/mL	+/- 173.2054
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP9200	99%	5,011.6 µg/mL	+/- 173.1777
4	2-Hexanone	591-78-6	MKCQ6663	99%	5,013.0 µg/mL	+/- 173.2261

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

Quality Confirmation Test

Column:

105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:

hydrogen-constant pressure 11.0 psi.

Temp. Program:

40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:

200°C

Det. Temp:

250°C

Det. Type:

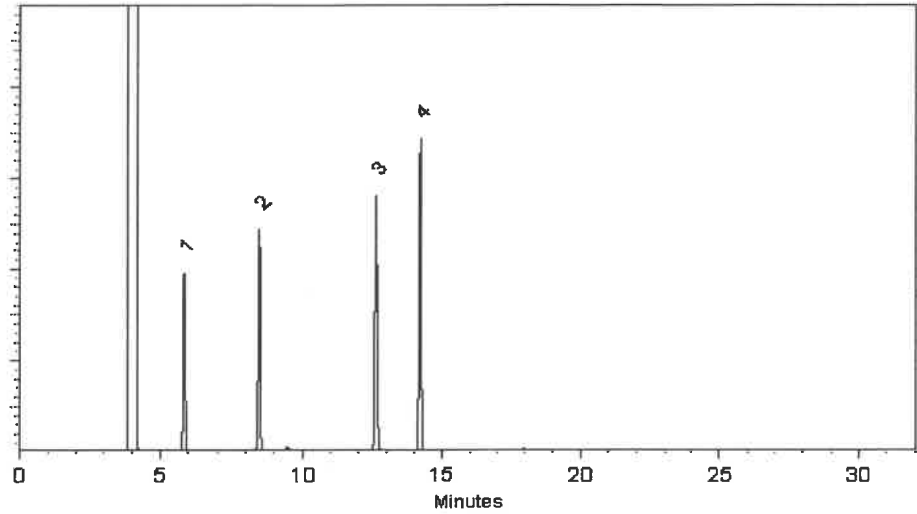
FID

Split Vent:

40 ml/min

Inj. Vol

1µl

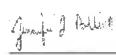


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Dakota Parson - Operations Technician I

Date Mixed: 22-Apr-2024

Balance Serial # B707717271


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Apr-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30006 **Lot No.:** A0210618
Description : VOA Calibration Mix #1
VOA Calibration Mix #1 5,000µg/mL, P&T Methanol/Water(90:10), 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : July 31, 2027 **Storage:** 0°C or colder
Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1	SHBQ8504	99%	5,014.8 µg/mL	+/- 173.2883
2	2-Butanone (MEK)	78-93-3	SHBQ4704	99%	5,012.4 µg/mL	+/- 173.2054
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP9200	99%	5,011.6 µg/mL	+/- 173.1777
4	2-Hexanone	591-78-6	MKCQ6663	99%	5,013.0 µg/mL	+/- 173.2261

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

Quality Confirmation Test

Column:

105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:

hydrogen-constant pressure 11.0 psi.

Temp. Program:

40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:

200°C

Det. Temp:

250°C

Det. Type:

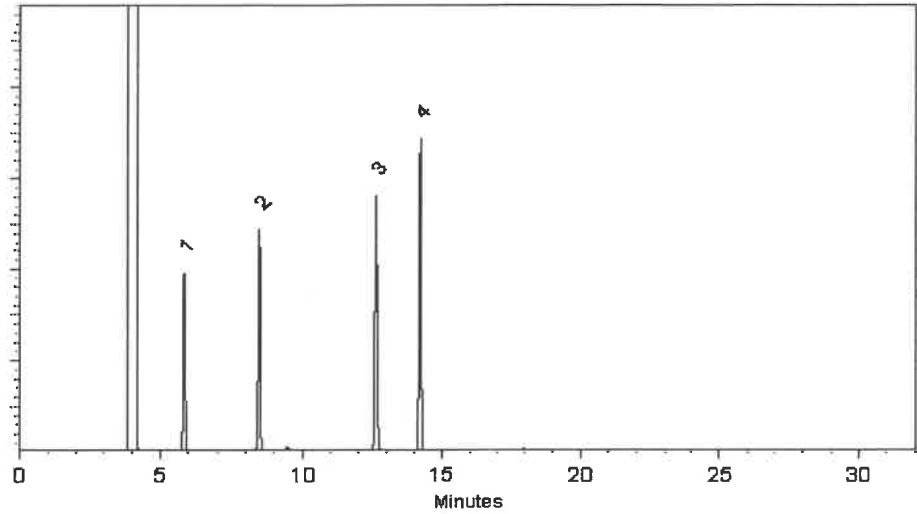
FID

Split Vent:

40 ml/min

Inj. Vol

1µl

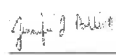


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Dakota Parson - Operations Technician I

Date Mixed: 22-Apr-2024

Balance Serial # B707717271


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Apr-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



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V14676



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30225 **Lot No.:** A0214960
Description : Bromochloromethane Standard
Bromochloromethane 2000µg/mL, P&T Methanol, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : August 31, 2029 **Storage:** 0°C or colder
Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Bromochloromethane	74-97-5	SYN240416CTH	99%	2,012.0 µg/mL	+/- 113.0519

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

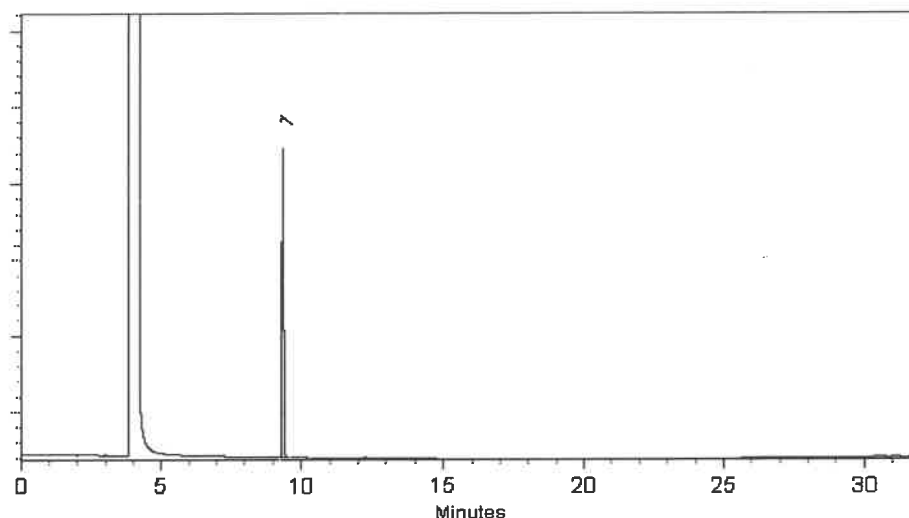
Inj. Temp:
200°C

Det. Temp:
250°C

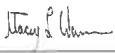
Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Stacey Wanner - Operations Technician I

Date Mixed: 08-Aug-2024 Balance Serial # 1127510105


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 14-Aug-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/ μ ECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30042 **Lot No.:** A0216826
Description : 502.2 Calibration Mix #1
502.2 Calibration Mix #1 2,000µg/mL, P&T Methanol, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : May 31, 2031 **Storage:** 0°C or colder
Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Dichlorodifluoromethane (CFC-12)	75-71-8	00022922	99%	2,000.9 µg/mL	+/- 112.4144
2	Chloromethane (methyl chloride)	74-87-3	00022694	99%	2,000.7 µg/mL	+/- 112.3998
3	Vinyl chloride	75-01-4	00015559	99%	2,000.3 µg/mL	+/- 112.3779
4	Bromomethane (methyl bromide)	74-83-9	00017022	99%	2,001.8 µg/mL	+/- 112.4650
5	Chloroethane (ethyl chloride)	75-00-3	107-401039114-1	99%	2,000.1 µg/mL	+/- 112.3700
6	Trichlorofluoromethane (CFC-11)	75-69-4	MKCJ8658	99%	2,000.7 µg/mL	+/- 112.3992

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:

60m x 0.25mm x 1.4µm
Rtx-502.2 (cat.#10916)

Carrier Gas:

helium-constant flow 2.0 mL/min.

Temp. Program:

40°C (hold 6 min.) to 100°C
@ 6°C/min.

Inj. Temp:

200°C

Det. Temp:

250°C

Det. Type:

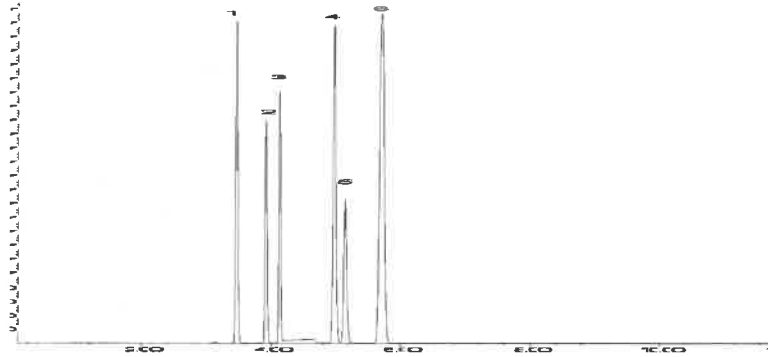
MSD

Split Vent:

Split ratio 10:1

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Tom Suckal - Mix Technician

Date Mixed: 23-Sep-2024

Balance Serial # B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 04-Oct-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



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V14727 to
V14756



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30042 **Lot No.:** A0216826
Description : 502.2 Calibration Mix #1
502.2 Calibration Mix #1 2,000µg/mL, P&T Methanol, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : May 31, 2031 **Storage:** 0°C or colder
Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Dichlorodifluoromethane (CFC-12)	75-71-8	00022922	99%	2,000.9 µg/mL	+/- 112.4144
2	Chloromethane (methyl chloride)	74-87-3	00022694	99%	2,000.7 µg/mL	+/- 112.3998
3	Vinyl chloride	75-01-4	00015559	99%	2,000.3 µg/mL	+/- 112.3779
4	Bromomethane (methyl bromide)	74-83-9	00017022	99%	2,001.8 µg/mL	+/- 112.4650
5	Chloroethane (ethyl chloride)	75-00-3	107-401039114-1	99%	2,000.1 µg/mL	+/- 112.3700
6	Trichlorofluoromethane (CFC-11)	75-69-4	MKCJ8658	99%	2,000.7 µg/mL	+/- 112.3992

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:

60m x 0.25mm x 1.4µm
Rtx-502.2 (cat.#10916)

Carrier Gas:

helium-constant flow 2.0 mL/min.

Temp. Program:

40°C (hold 6 min.) to 100°C
@ 6°C/min.

Inj. Temp:

200°C

Det. Temp:

250°C

Det. Type:

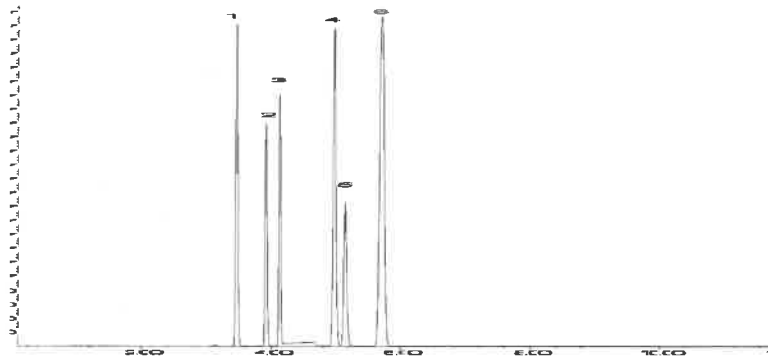
MSD

Split Vent:

Split ratio 10:1

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Tom Suckal - Mix Technician

Date Mixed: 23-Sep-2024

Balance Serial # B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 04-Oct-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



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Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

✓ 14842 to 14846



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30470 **Lot No.:** A0217535
Description : tert-Butanol Standard
tert-Butanol Std 50,000µg/mL, P&T Methanol, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : October 31, 2027 **Storage:** 0°C or colder
Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	tert-Butanol (TBA)	75-65-0	SHBQ8002-1	99%	50,007.5 µg/mL	+/- 717.6137

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:

105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:

hydrogen-constant pressure 11.0 psi.

Temp. Program:

40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:

200°C

Det. Temp:

250°C

Det. Type:

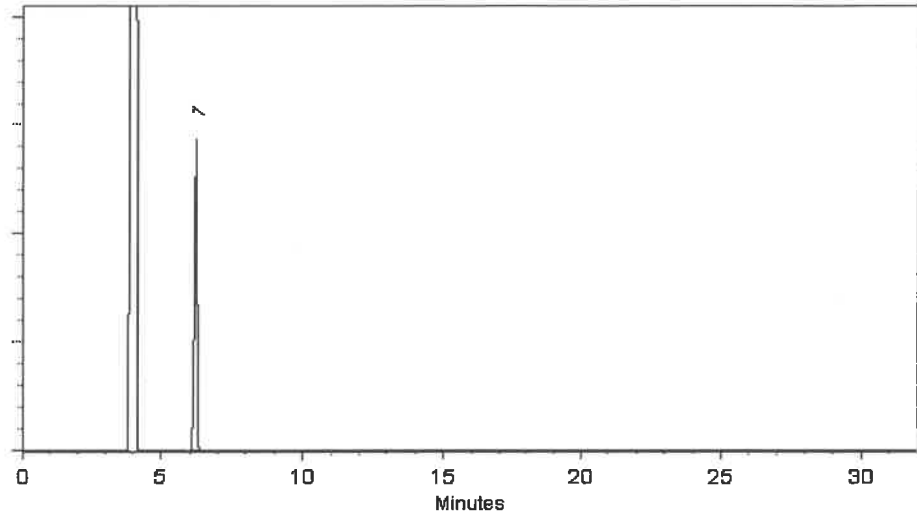
FID

Split Vent:

40 ml/min

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

A. O. E.
Aaron Enyart - Operations Tech I

Date Mixed: 07-Oct-2024

Balance Serial # B251644995

Brittany Federinko
Brittany Federinko - Operations Tech I

Date Passed: 09-Oct-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/ μ ECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



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2014 Dec 01/08/21
CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic

V14803 - V14822



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555408-SL **Lot No.:** A0220471
Description : Custom Vinyl Acetate Standard
Custom Vinyl Acetate Standard 8,000µg/mL, P&T Methanol, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : June 30, 2026 **Storage:** -20°C or colder
Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Vinyl acetate	108-05-4	RD240423RSR	99%	8,066.0 µg/mL	+/- 278.7979

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods. Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Quality Confirmation Test

Column:

105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:

hydrogen-constant pressure 11.0 psi.

Temp. Program:

40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:

200°C

Det. Temp:

250°C

Det. Type:

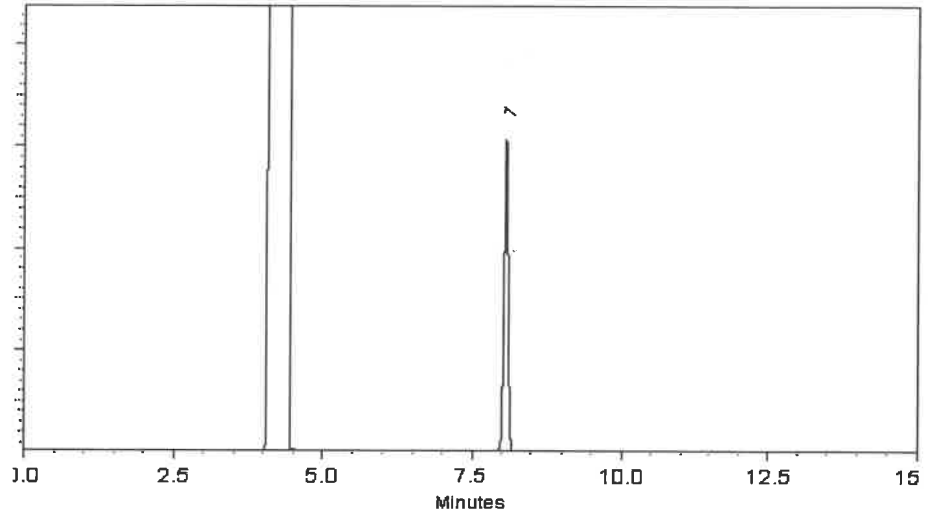
FID

Split Vent:

40 ml/min

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Ethan Winiarski - Operations Tech I

Date Mixed: 24-Dec-2024

Balance Serial # 1127510105

Dillan Murphy - Operations Technician I

Date Passed: 02-Jan-2025

REVIEWED
By Jennifer Pollock at 7:12 am, Jan 05, 2025

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



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2014 Dec 01/08/21
CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic

V14803 - V14822



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555408-SL **Lot No.:** A0220471
Description : Custom Vinyl Acetate Standard
Custom Vinyl Acetate Standard 8,000µg/mL, P&T Methanol, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : June 30, 2026 **Storage:** -20°C or colder
Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Vinyl acetate	108-05-4	RD240423RSR	99%	8,066.0 µg/mL	+/- 278.7979

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods. Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Quality Confirmation Test

Column:

105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:

hydrogen-constant pressure 11.0 psi.

Temp. Program:

40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:

200°C

Det. Temp:

250°C

Det. Type:

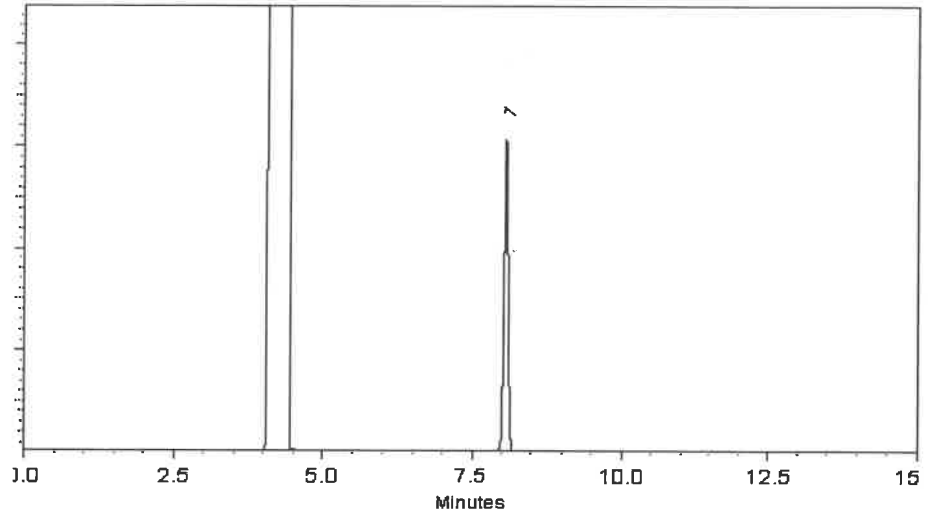
FID

Split Vent:

40 ml/min

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Ethan Winiarski - Operations Tech I

Date Mixed: 24-Dec-2024

Balance Serial # 1127510105

Dillan Murphy - Operations Technician I

Date Passed: 02-Jan-2025

REVIEWED
By Jennifer Patten at 7:12 am, Jan 05, 2025

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
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Purity Notes:

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- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

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k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

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10 vial
Dec 03/31/25
CERTIFIED REFERENCE MATERIAL

Certificate of Analysis
gravimetric

V14904 to V14913



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555582 **Lot No.:** A0223904
Description : Custom 8260A/B Surrogate Mix
Custom 8260A/B Surrogate Mix 25,000µg/mL, P&T Methanol,
1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : March 31, 2028 **Storage:** 10°C or colder
Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2-Dichloroethane-d4	17060-07-0	PR-33313	99%	25,108.0 µg/mL	+/- 1,421.9957
2	1-Bromo-4-fluorobenzene (BFB)	460-00-4	0000268853	99%	25,108.0 µg/mL	+/- 1,421.9957
3	Dibromofluoromethane	1868-53-7	VENKAT02	99%	25,232.0 µg/mL	+/- 1,429.0184
4	Toluene-d8	2037-26-5	PR-34141	99%	25,156.0 µg/mL	+/- 1,424.7141

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Brittany Federlino - Operations Tech I

Date Mixed: 27-Mar-2025

Balance: B251644995

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
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Purity Notes:

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- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

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k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

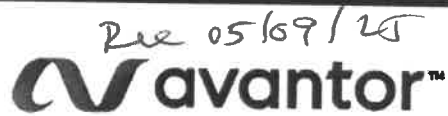
Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

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- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis



V 14921 to
V 14938

Material No.: 9077-02
Batch No.: 24G0262002
Manufactured Date: 2024-05-14
Expiration Date: 2027-05-14
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (CH ₃ OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Residue after Evaporation	≤ 1.0 ppm	0.3 ppm
Titration Acid (μeq/g)	≤ 0.3	0.3
Titration Base (μeq/g)	≤ 0.10	0.03
Water (by KF, coulometric)	≤ 0.08 %	< 0.01 %
Volatile Organic Trace Analysis – Below EPA 8260B CRQL	Conforms	Conforms

For Laboratory, Research, or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Jamie Croak
Director Quality Operations, Bioscience Production

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

Rev 05/09/25
Avantor[™]



V 14921 to
V 14938

Material No.: 9077-02
Batch No.: 24G0262002
Manufactured Date: 2024-05-14
Expiration Date: 2027-05-14
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (CH ₃ OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Residue after Evaporation	≤ 1.0 ppm	0.3 ppm
Titration Acid (μeq/g)	≤ 0.3	0.3
Titration Base (μeq/g)	≤ 0.10	0.03
Water (by KF, coulometric)	≤ 0.08 %	< 0.01 %
Volatile Organic Trace Analysis – Below EPA 8260B CRQL	Conforms	Conforms

For Laboratory, Research, or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Jamie Croak
Director Quality Operations, Bioscience Production



Certified Reference Material CRM

Rec 08/14/25 5 Jia



CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 081325
Description: Acrolein

Solvent(s): Water
Lot#: 041725Q

		081325
Formulated By:	Eli Allaga	DATE
		081325
Reviewed By:	Pedro L. Rentas	DATE

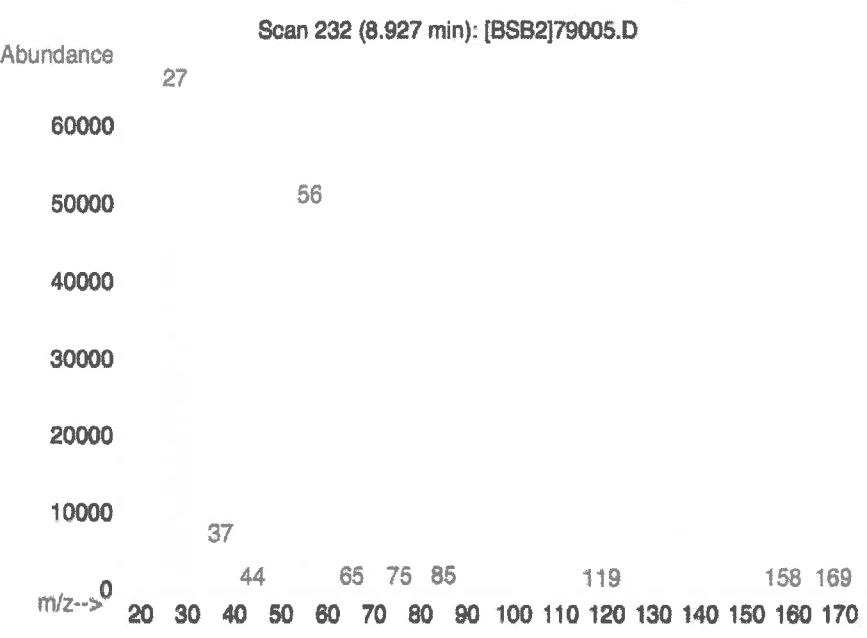
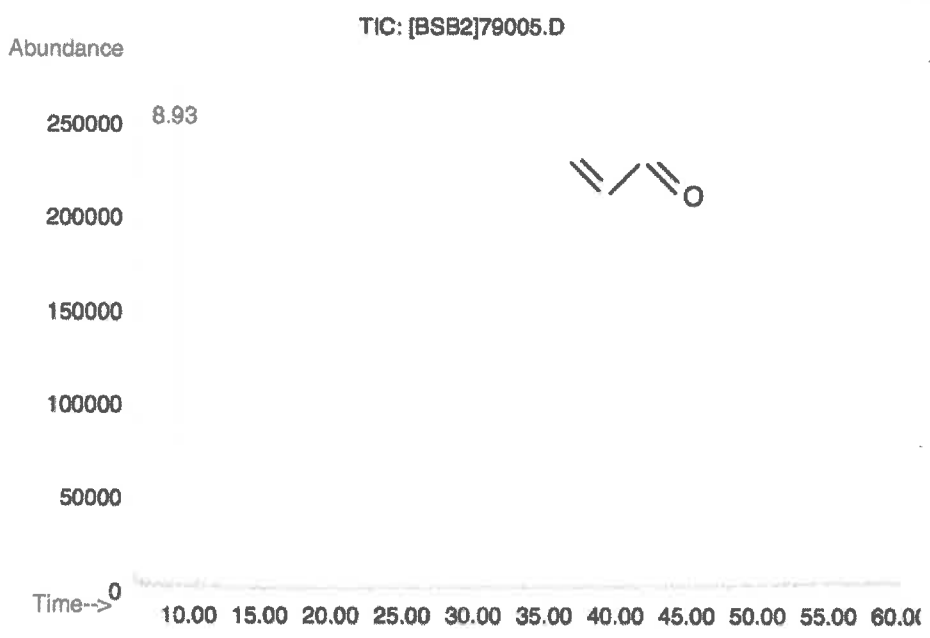
Expiration Date: 091325
Recommended Storage: Refrigerate (2°C to 8°C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

V15057 + 0
V15061

Weight(s) shown below were combined and diluted to (mL): 10.0
5E-05 Balance Uncertainty
0.001 Flask Uncertainty

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.)		
										CAS#	OSHA PEL (TWA)	LD50
1. Acrolein	5	103755V10F	5000	97	0.5	0.05166	0.05176	5009.9	52.6	107-02-8	0.1 ppm	ori-rat 46mg/kg

Method: GC6MSD-1. Detector: Mass Selective Detector (Scan mode). Column: Vocol (60m X 0.25mm ID X 1.5µm film thickness). Oven Profile: Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.)
Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. Analyst: Pedro Rentas. NOTE: Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately
Long term storage is not recommended. Please contact our technical department if further information is required.



• The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
• Standards are prepared gravimetrically using balances that are calibrated by an ISO 17025 certified organization with weights traceable through NIST to the SI kilogram (see above).
• Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
• All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
• Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).
Rev 1.0, 2/25/2025



Certified Reference Material CRM

Rec 08/14/25 5 Jia



ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 081325
Description: Acrolein

Solvent(s):
Water
Lot#: 041725Q

<i>Eli Allaga</i>		081325
Formulated By:	Eli Allaga	DATE
<i>Pedro Rentas</i>		081325
Reviewed By:	Pedro L. Rentas	DATE

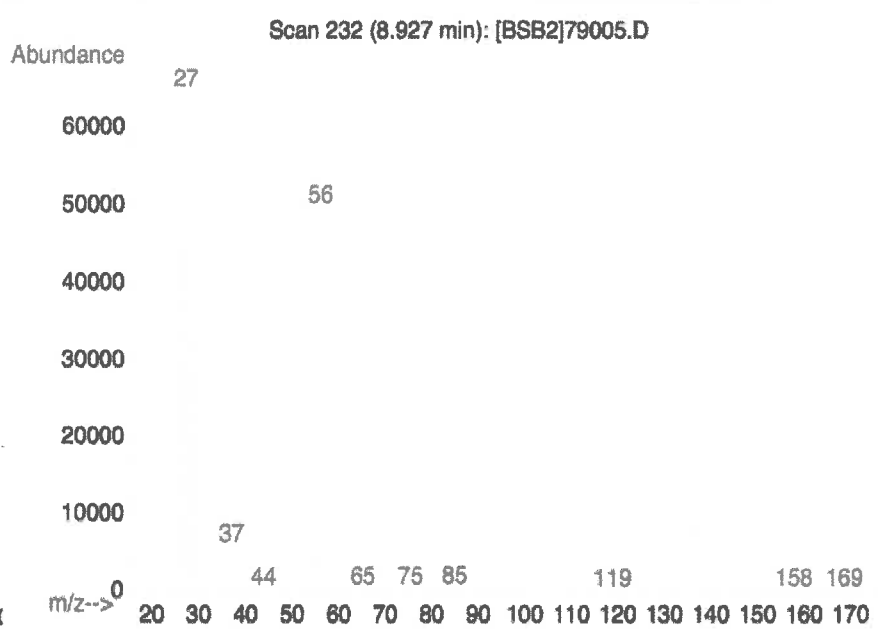
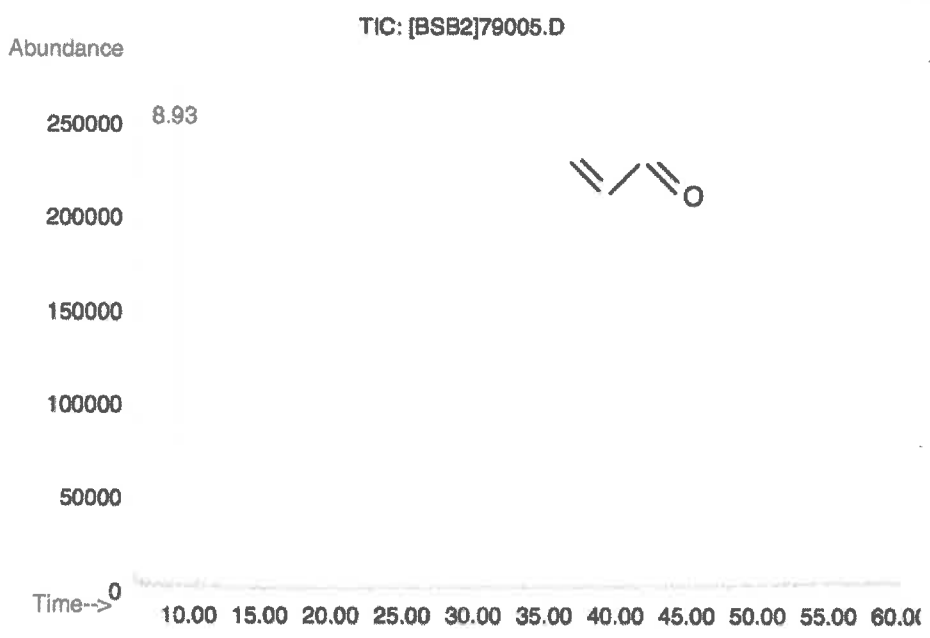
Expiration Date: 091325
Recommended Storage: Refrigerate (2°C to 8°C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

V15057 + 0
V15061

Weight(s) shown below were combined and diluted to (mL): 10.0
5E-05 Balance Uncertainty
0.001 Flask Uncertainty

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.)		
										CAS#	OSHA PEL (TWA)	LD50
1. Acrolein	5	103755V10F	5000	97	0.5	0.05166	0.05176	5009.9	52.6	107-02-8	0.1 ppm	ori-rat 46mg/kg

Method: GC6MSD-1. Detector: Mass Selective Detector (Scan mode). Column: Vocol (60m X 0.25mm ID X 1.5µm film thickness). Oven Profile: Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.)
Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. Analyst: Pedro Rentas. NOTE: Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately
Long term storage is not recommended. Please contact our technical department if further information is required.



• The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
• Standards are prepared gravimetrically using balances that are calibrated by an ISO 17025 certified organization with weights traceable through NIST to the SI kilogram (see above).
• Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
• All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
• Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).
Rev 1.0, 2/25/2025



Certified Reference Material CRM

Rec 08/14/25 5 Jia



CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 081325
Description: Acrolein

Solvent(s): Water
Lot#: 041725Q

		081325
Formulated By:	Eli Allaga	DATE
		081325
Reviewed By:	Pedro L. Rentas	DATE

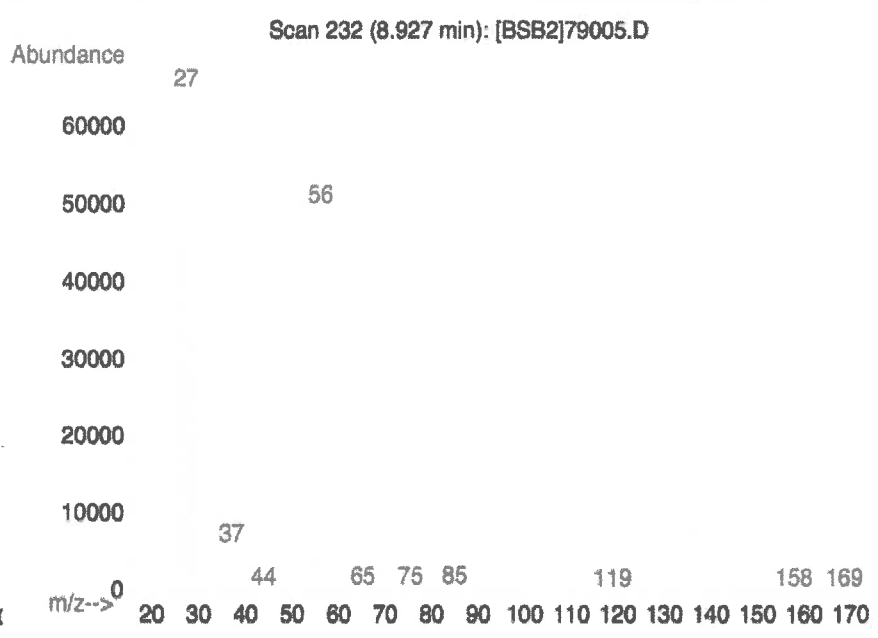
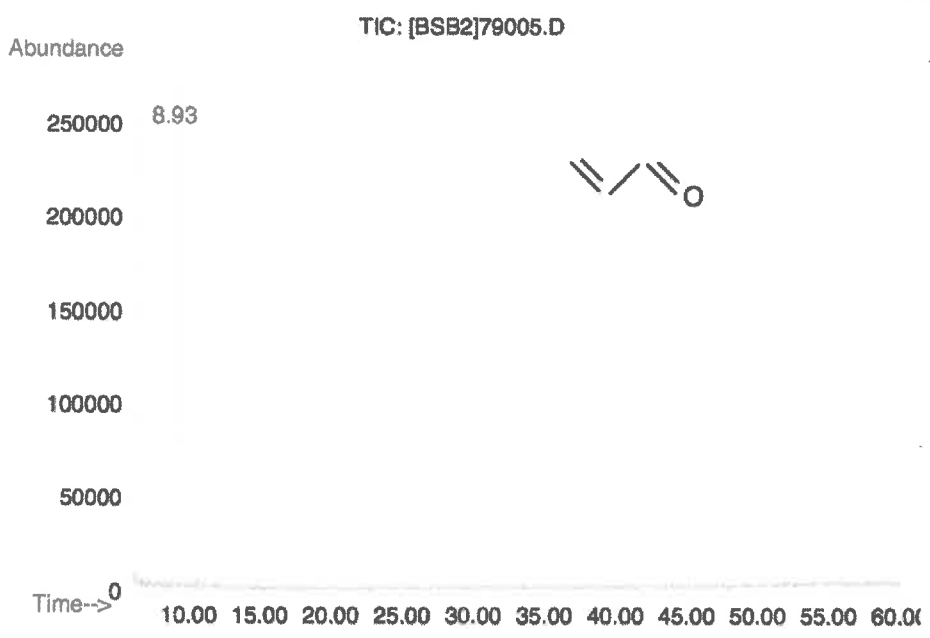
Expiration Date: 091325
Recommended Storage: Refrigerate (2°C to 8°C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

V15057 + 0
V15061

Weight(s) shown below were combined and diluted to (mL): 10.0
5E-05 Balance Uncertainty
0.001 Flask Uncertainty

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.)		
										CAS#	OSHA PEL (TWA)	LD50
1. Acrolein	5	103755V10F	5000	97	0.5	0.05166	0.05176	5009.9	52.6	107-02-8	0.1 ppm	ori-rat 46mg/kg

Method: GC6MSD-1. Detector: Mass Selective Detector (Scan mode). Column: Vocol (60m X 0.25mm ID X 1.5µm film thickness). Oven Profile: Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.)
Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. Analyst: Pedro Rentas. NOTE: Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately
Long term storage is not recommended. Please contact our technical department if further information is required.



• The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
• Standards are prepared gravimetrically using balances that are calibrated by an ISO 17025 certified organization with weights traceable through NIST to the SI kilogram (see above).
• Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
• All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
• Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).
Rev 1.0, 2/25/2025

Preservation Log

BalanceID: VOA-SC-2

Review By: Amit

Supervise By: MMDadoda

Seq	LabID	Vial A Weight(g)= Total Wt-Tare Wt	Vial A Time	Vial B Weight(g)= Total Wt-Tare Wt	Vial B Time	Vial C Weight(g) Preserve with MeOH	Vial C Time	Methanol ID	Preservation Date	Comments
1	Q2820-01	38.11-31.13=6.98	14:01	37.73-31.16=6.57	14:02	35.17-27.93=7.24	14:03	V14921	08/13/2025	TERRACORE SAMPLE 8260
2	Q2820-02	38.75-30.83=7.92	14:03	39.43-31.04=8.39	14:04	36.79-28.10=8.69	14:05	V14921	08/13/2025	
3	Q2820-03	38.83-31.21=7.62	14:06	38.23-31.14=7.09	14:07	35.25-28.17=7.08	14:08	V14921	08/13/2025	
4	Q2820-04	39.01-31.21=7.8	14:09	38.66-31.44=7.22	14:10	35.61-28.39=7.22	14:11	V14921	08/13/2025	
5	Q2820-05	35.84-30.91=4.93	14:11	35.43-30.90=4.53	14:14	31.76-28.31=3.45	14:15	V14921	08/13/2025	
6	Q2820-06	34.97-31.49=3.48	14:18	35.27-31.21=4.06	14:18	34.66-28.23=6.43	14:19	V14921	08/13/2025	
7	Q2820-07	37.43-31.17=6.26	14:19	37.92-31.17=6.75	14:20	34.54-28.25=6.29	14:21	V14921	08/13/2025	
8	Q2820-08	38.33-31.19=7.14	14:22	38.16-31.13=7.03	14:23	35.01-28.04=6.97	14:24	V14921	08/13/2025	
9	Q2820-09	37.56-31.16=6.4	14:25	36.52-31.13=5.39	14:26	34.43-28.37=6.06	14:27	V14921	08/13/2025	
10	Q2820-10	36.31-30.92=5.39	14:26	35.31-30.81=4.5	14:27	35.03-28.30=6.73	14:29	V14921	08/13/2025	
11	Q2820-11	37.53-31.16=6.37	14:32	37.83-31.10=6.73	14:33	34.85-28.31=6.54	14:34	V14921	08/13/2025	
12	Q2820-12	37.48-31.11=6.37	14:35	37.49-31.30=6.19	14:36	34.78-27.96=6.82	14:37	V14921	08/13/2025	
13	Q2820-13	40.42-31.29=9.13	14:38	39.79-30.82=8.97	14:39	37.31-28.21=9.1	14:40	V14921	08/13/2025	
14	Q2820-14	38.75-31.10=7.65	14:41	36.89-31.15=5.74	14:42	35.29-28.40=6.89	14:43	V14921	08/13/2025	
15	Q2820-15	37.90-30.78=7.12	14:44	38.57-30.82=7.75	14:45	35.78-28.09=7.69	14:46	V14921	08/13/2025	

Instructions : For medium Level analysis, 5ml MeOH added for CLP(SOM/SFAM) method and 10ml for regular 8260.

If the samples are not to be analyzed within 48hrs of sampling, preserve samples immediately, Vials A and B are stored in the VOA-FRZ-2.

Vial C - MeOH preserved vials are kept in VOA-REF #6.

QA Contorl # A3041177

16	Q2820-16	36.88-30.80=6.08	14:47	37.31-30.83=6.48	14:48	34.34-28.14=6.2	14:49	V14921	08/13/2025	
17	Q2820-17	37.98-31.14=6.84	14:50	38.34-31.27=7.07	14:51	36.06-28.36=7.7	14:52	V14921	08/13/2025	
18	Q2820-18	38.58-30.99=7.59	14:53	38.80-31.28=7.52	14:53	35.72-28.32=7.4	14:54	V14921	08/13/2025	
19	Q2820-19	40.38-30.75=9.63	14:55	40.34-30.83=9.51	14:56	36.62-27.97=8.65	14:57	V14921	08/13/2025	
20	Q2820-20	39.95-31.19=8.76	14:59	39.40-30.98=8.42	15:00	37.15-28.29=8.86	15:01	V14921	08/13/2025	
21	Q2820-21	38.50-30.91=7.59	15:02	39.09-31.21=7.88	15:03	36.00-28.18=7.82	15:04	V14921	08/13/2025	
22	Q2820-22	38.91-30.83=8.08	15:05	37.53-30.65=6.88	15:06	34.15-28.01=6.14	15:07	V14921	08/13/2025	
23	Q2820-23	36.12-31.28=4.84	15:08	35.60-31.15=4.45	15:09	33.13-28.29=4.84	15:09	V14921	08/13/2025	
24	Q2820-24	36.83-30.84=5.99	15:10	36.72-30.70=6.02	15:11	34.69-28.32=6.37	15:12	V14921	08/13/2025	

Instructions : For medium Level analysis, 5ml MeOH added for CLP(SOM/SFAM) method and 10ml for regular 8260.

If the samples are not to be analyzed within 48hrs of sampling, preserve samples immediately, Vials A and B are stored in the VOA-FRZ-2.

Vial C - MeOH preserved vials are kept in VOA-REF #6.

QA Contorl # A3041177



SHIPPING DOCUMENTS

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CLIENT INFORMATION

CLIENT PROJECT INFORMATION

CLIENT BILLING INFORMATION

REPORT TO BE SENT TO:

COMPANY: _____
ADDRESS: see page 1
CITY: _____ STATE: _____ ZIP: _____
ATTENTION: _____
PHONE: _____ FAX: _____

PROJECT NAME: _____
PROJECT NO.: _____ LOCATION: _____
PROJECT MANAGER: _____
e-mail: _____
PHONE: _____ FAX: _____

BILL TO: _____ PO#: _____
ADDRESS: _____
CITY: _____ STATE: _____ ZIP: _____
ATTENTION: _____ PHONE: _____
ANALYSIS

DATA TURNAROUND INFORMATION

DATA DELIVERABLE INFORMATION

FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): 10 DAYS*
EDD: 10 DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

☐ Level 1 (Results Only) ☐ Level 4 (QC + Full Raw Data)
☒ Level 2 (Results + QC) ☐ NJ Reduced ☐ US EPA CLP
☐ Level 3 (Results + QC) ☐ NYS ASP A ☐ NYS ASP B
+ Raw Data ☐ Other _____
☒ EDD FORMAT NYSDEC

1. VOC 2. SVOC 3. Pest 4. PCB 5. Metals 6. 7. 8. 9.

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES	PRESERVATIVES									COMMENTS
			COMP	GRAB	DATE	TIME		1	2	3	4	5	6	7	8	9	
1.	82H-S	S	C		8/6/25	1215	5	X									
2.	82H-W					1230		X									
3.	82H-N					1250		X									
4.	SOIL-0UP-1				8/6/25			X									
5.	S18R-E				8/7/25	0900		X									
6.	S18R-N					0940		X									
7.	S18R-S					0930		X									
8.	S18R-W					0950	542	X	*	*							
9.	705R-S					1100	87	X	X	X							
10.	SOIL-0UP-2						47	X	X	X							

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER: 1. <u>GHC</u>	DATE/TIME: <u>6:01</u>	RECEIVED BY: 1. <u>L. J. Tu 8-8-25</u>	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☒ COOLER TEMP <u>3.9°C</u>
RELINQUISHED BY SAMPLER: 2.	DATE/TIME:	RECEIVED BY: 2.	Comments:
RELINQUISHED BY SAMPLER: 3.	DATE/TIME:	RECEIVED BY: 3.	Comments:

Page 3 of 5

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete
☐ YES ☐ NO

CLIENT INFORMATION

CLIENT PROJECT INFORMATION

CLIENT BILLING INFORMATION

REPORT TO BE SENT TO:

COMPANY: _____
ADDRESS: See page 1
CITY: _____ STATE: _____ ZIP: _____
ATTENTION: _____
PHONE: _____ FAX: _____

PROJECT NAME: _____
PROJECT NO.: _____ LOCATION: _____
PROJECT MANAGER: _____
e-mail: _____
PHONE: _____ FAX: _____

BILL TO: _____ PO#: _____
ADDRESS: _____
CITY: _____ STATE: _____ ZIP: _____
ATTENTION: _____ PHONE: _____

ANALYSIS

DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): 10 DAYS*
EDD: 10 DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

☐ Level 1 (Results Only) ☐ Level 4 (QC + Full Raw Data)
☒ Level 2 (Results + QC) ☐ NJ Reduced ☐ US EPA CLP
☐ Level 3 (Results + QC) ☐ NYS ASP A ☐ NYS ASP B
+ Raw Data ☐ Other _____
☒ EDD FORMAT NYSDEC

PRESERVATIVES									COMMENTS	
← Specify Preservatives										
1	2	3	4	5	6	7	8	9	A-HCl	D-NaOH
									B-HNO3	E-ICE
									C-H2SO4	F-OTHER

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES	PRESERVATIVES									COMMENTS	
			COMP	GRAB	DATE	TIME		1	2	3	4	5	6	7	8	9		
1.	10PC-W	S	C		8/7/25	1235	5	X										
2.	10PC-S					1240		X										
3.	10P-W					1255		X										
4.	10P-E					1300		X										
5.	10P-S					1320		X										
6.	10P-N					1330		X										
7.	88H-E				8/8/25	0825		X										
8.	88H-N					0840		X										
9.	88H-W					0850		X										
10.	88H-S					0900		X										

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER: 1. <u>GMC</u>	DATE/TIME: <u>6:01</u>	RECEIVED BY: <u>[Signature]</u> 8-8-25	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☒ COOLER TEMP <u>3.7C</u> °C
RELINQUISHED BY SAMPLER: 2.	DATE/TIME:	RECEIVED BY:	Comments:
RELINQUISHED BY SAMPLER: 3.	DATE/TIME:	RECEIVED BY:	

Page 4 of 5

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete
☐ YES ☐ NO

CLIENT INFORMATION

REPORT TO BE SENT TO:

COMPANY: _____
ADDRESS: See page 1
CITY: _____ STATE: _____ ZIP: _____
ATTENTION: _____
PHONE: _____ FAX: _____

CLIENT PROJECT INFORMATION

PROJECT NAME: _____
PROJECT NO.: _____ LOCATION: _____
PROJECT MANAGER: _____
e-mail: _____
PHONE: _____ FAX: _____

CLIENT BILLING INFORMATION

BILL TO: _____ PO#: _____
ADDRESS: _____
CITY: _____ STATE: _____ ZIP: _____
ATTENTION: _____ PHONE: _____

ANALYSIS

DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): 10 DAYS*
EDD: 10 DAYS*

*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

☐ Level 1 (Results Only) ☐ Level 4 (QC + Full Raw Data)
☒ Level 2 (Results + QC) ☐ NJ Reduced ☐ US EPA CLP
☐ Level 3 (Results + QC) ☐ NYS ASP A ☐ NYS ASP B
+ Raw Data ☐ Other _____
☒ EDD FORMAT NYS DEC

1. VOC/SVOC
2. Pest/PCB
3. Metals
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____

PRESERVATIVES

COMMENTS

← Specify Preservatives
A-HCl D-NaOH
B-HNO3 E-ICE
C-H2SO4 F-OTHER

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES										
			COMP	GRAB	DATE	TIME		1	2	3	4	5	6	7	8	9	
1.	22M-N	S	C		8/8/25	1125	5	X									
2.	22M-W					1050	5	X									
3.	22M-E					1115	5	X									
4.	22M-S					1100	7	X	X	X							
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER: 1. <u>GMC</u>	DATE/TIME: <u>6:01</u>	RECEIVED BY: <u>R. A. L.</u>	2. <u>8-8-25</u>	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☒ COOLER TEMP <u>3.9°C</u>
RELINQUISHED BY SAMPLER: 2.	DATE/TIME:	RECEIVED BY:		Comments:
RELINQUISHED BY SAMPLER: 3.	DATE/TIME:	RECEIVED BY:		

Page 5 of 5

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete

☐ YES ☐ NO

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488

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LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2820	FIRS02	Order Date : 8/11/2025 12:29:00 PM	Project Mgr :
Client Name : First Environment, Inc.		Project Name : USACE018-44 DOD	Report Type : Level 4
Client Contact : Al Smith		Receive DateTime : 8/8/2025 6:01:00 PM	EDD Type : EQUIS
Invoice Name : First Environment, Inc.		Purchase Order :	Hard Copy Date :
Invoice Contact : Al Smith			Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q2820-01	82H-S	Solid	08/06/2025	12:15	VOC-TCLVOA-10		8260D	10 Bus. Days	
Q2820-02	82H-W	Solid	08/06/2025	12:30	VOC-TCLVOA-10		8260D	10 Bus. Days	
Q2820-03	82H-N	Solid	08/06/2025	12:50	VOC-TCLVOA-10		8260D	10 Bus. Days	
Q2820-04	SOIL-DUP-1	Solid	08/06/2025	00:00	VOC-TCLVOA-10		8260D	10 Bus. Days	
Q2820-05	518R-E	Solid	08/07/2025	09:00	VOC-TCLVOA-10		8260D	10 Bus. Days	
Q2820-06	518R-N	Solid	08/07/2025	09:40	VOC-TCLVOA-10		8260D	10 Bus. Days	
Q2820-07	518R-S	Solid	08/07/2025	09:30	VOC-TCLVOA-10		8260D	10 Bus. Days	
Q2820-08	518R-W	Solid	08/07/2025	09:50					

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2820	FIRS02	Order Date : 8/11/2025 12:29:00 PM	Project Mgr :
Client Name : First Environment, Inc.		Project Name : USACE018-44 DOD	Report Type : Level 4
Client Contact : Al Smith		Receive DateTime : 8/8/2025 6:01:00 PM	EDD Type : EQUIS
Invoice Name : First Environment, Inc.		Purchase Order :	Hard Copy Date :
Invoice Contact : Al Smith			Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q2820-09	705R-S	Solid	08/07/2025	11:00	VOC-TCLVOA-10		8260D	10 Bus. Days	
Q2820-10	SOIL-DUP-2	Solid	08/07/2025	00:00	VOC-TCLVOA-10		8260D	10 Bus. Days	
Q2820-11	10PC-W	Solid	08/07/2025	12:35	VOC-TCLVOA-10		8260D	10 Bus. Days	
Q2820-12	10PC-S	Solid	08/07/2025	12:40	VOC-TCLVOA-10		8260D	10 Bus. Days	
Q2820-13	10P-W	Solid	08/07/2025	12:55	VOC-TCLVOA-10		8260D	10 Bus. Days	
Q2820-14	10P-E	Solid	08/07/2025	13:00	VOC-TCLVOA-10		8260D	10 Bus. Days	
Q2820-15	10P-S	Solid	08/07/2025	13:20	VOC-TCLVOA-10		8260D	10 Bus. Days	

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2820	FIRS02	Order Date : 8/11/2025 12:29:00 PM	Project Mgr :
Client Name : First Environment, Inc.		Project Name : USACE018-44 DOD	Report Type : Level 4
Client Contact : Al Smith		Receive DateTime : 8/8/2025 6:01:00 PM	EDD Type : EQUIS
Invoice Name : First Environment, Inc.		Purchase Order :	Hard Copy Date :
Invoice Contact : Al Smith			Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q2820-16	10P-N	Solid	08/07/2025	13:30					
					VOC-TCLVOA-10		8260D	10 Bus. Days	
Q2820-17	88H-E	Solid	08/08/2025	08:35					
					VOC-TCLVOA-10		8260D	10 Bus. Days	
Q2820-18	88H-N	Solid	08/08/2025	08:40					
					VOC-TCLVOA-10		8260D	10 Bus. Days	
Q2820-19	88H-W	Solid	08/08/2025	08:50					
					VOC-TCLVOA-10		8260D	10 Bus. Days	
Q2820-20	88H-S	Solid	08/08/2025	09:00					
					VOC-TCLVOA-10		8260D	10 Bus. Days	
Q2820-21	22M-N	Solid	08/08/2025	11:25					
					VOC-TCLVOA-10		8260D	10 Bus. Days	
Q2820-22	22M-W	Solid	08/08/2025	10:56					
					VOC-TCLVOA-10		8260D	10 Bus. Days	
Q2820-23	22M-E	Solid	08/08/2025	11:15					

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2820	FIRS02	Order Date : 8/11/2025 12:29:00 PM	Project Mgr :
Client Name : First Environment, Inc.		Project Name : USACE018-44 DOD	Report Type : Level 4
Client Contact : Al Smith		Receive DateTime : 8/8/2025 6:01:00 PM	EDD Type : EQUIS
Invoice Name : First Environment, Inc.		Purchase Order :	Hard Copy Date :
Invoice Contact : Al Smith			Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q2820-24	22M-S	Solid	08/08/2025	11:00	VOC-TCLVOA-10		8260D	10 Bus. Days	
					VOC-TCLVOA-10		8260D	10 Bus. Days	

Relinquished By :

Date / Time :

[Signature]
8-11-25 1450

Received By :

Date / Time :

[Signature]
08/11/25

14:50

[Handwritten notes]
28#6
522

Storage Area : VOA Refridgerator Room

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081125\
 Data File : VW032052.D
 Acq On : 11 Aug 2025 08:25
 Operator : SY/MD
 Sample : VSTDICC005
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC005

Quant Time: Aug 12 03:36:10 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 12 03:34:13 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.959	168	225574	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	424617	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	391234	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	196943	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.313	65	16827	5.158	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	10.320%#
35) Dibromofluoromethane	7.898	113	14278	5.205	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	10.400%#
50) Toluene-d8	10.331	98	49876	4.916	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	9.840%#
62) 4-Bromofluorobenzene	12.617	95	18184	4.863	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	9.720%#

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	2.046	85	9007	5.583	ug/l	100
3) Chloromethane	2.253	50	12377	5.695	ug/l	95
4) Vinyl Chloride	2.399	62	14029	5.337	ug/l	91
5) Bromomethane	2.826	94	10878	5.516	ug/l	95
6) Chloroethane	2.966	64	9219	5.300	ug/l	98
7) Trichlorofluoromethane	3.302	101	12298	5.840	ug/l	94
8) Diethyl Ether	3.716	74	8824	5.114	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.100	101	13903	5.596	ug/l	94
10) Methyl Iodide	4.301	142	17789	5.050	ug/l	99
11) Tert butyl alcohol	5.222	59	5328	25.221	ug/l	94
12) 1,1-Dichloroethene	4.076	96	14655	5.357	ug/l	94
13) Acrolein	3.929	56	9831	29.207	ug/l	89
14) Allyl chloride	4.698	41	19999	5.023	ug/l	98
15) Acrylonitrile	5.399	53	20340	24.751	ug/l	99
16) Acetone	4.161	43	22915	30.337	ug/l	99
17) Carbon Disulfide	4.417	76	38213	5.204	ug/l	96
18) Methyl Acetate	4.704	43	10943	4.578	ug/l #	76
19) Methyl tert-butyl Ether	5.460	73	23062	4.785	ug/l	99
20) Methylene Chloride	4.954	84	23529	6.737	ug/l	96
21) trans-1,2-Dichloroethene	5.454	96	14671	5.053	ug/l	93
22) Diisopropyl ether	6.338	45	38895	4.634	ug/l	94
23) Vinyl Acetate	6.283	43	124477	22.588	ug/l	98
24) 1,1-Dichloroethane	6.246	63	26909	5.018	ug/l	99
25) 2-Butanone	7.197	43	26284	24.484	ug/l	100
26) 2,2-Dichloropropane	7.185	77	14330	5.326	ug/l	98
27) cis-1,2-Dichloroethene	7.191	96	16041	4.727	ug/l	98
28) Bromochloromethane	7.526	49	12660	5.188	ug/l	98
29) Tetrahydrofuran	7.551	42	16965	23.963	ug/l	96
30) Chloroform	7.691	83	28586	5.028	ug/l	99
31) Cyclohexane	7.959	56	26393	5.677	ug/l #	83
32) 1,1,1-Trichloroethane	7.880	97	21662	5.246	ug/l	96
36) 1,1-Dichloropropene	8.099	75	19468	5.034	ug/l	99
37) Ethyl Acetate	7.276	43	11365	4.990	ug/l	99
38) Carbon Tetrachloride	8.081	117	18734	5.020	ug/l	92
39) Methylcyclohexane	9.337	83	22284	4.728	ug/l	94
40) Benzene	8.331	78	59395	4.941	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081125\
 Data File : VW032052.D
 Acq On : 11 Aug 2025 08:25
 Operator : SY/MD
 Sample : VSTDICC005
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC005

Quant Time: Aug 12 03:36:10 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 12 03:34:13 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.496	41	5910	4.576	ug/l #	95
42) 1,2-Dichloroethane	8.410	62	19560	5.085	ug/l	99
43) Isopropyl Acetate	8.435	43	19928	4.756	ug/l	98
44) Trichloroethene	9.093	130	14999	5.240	ug/l	93
45) 1,2-Dichloropropane	9.374	63	14387	4.954	ug/l	98
46) Dibromomethane	9.465	93	9753	5.204	ug/l	97
47) Bromodichloromethane	9.648	83	21279	4.927	ug/l	100
48) Methyl methacrylate	9.441	41	8949	4.424	ug/l	97
49) 1,4-Dioxane	9.465	88	2259	93.217	ug/l #	85
51) 4-Methyl-2-Pentanone	10.215	43	56184	23.755	ug/l	98
52) Toluene	10.386	92	35525	4.692	ug/l	96
53) t-1,3-Dichloropropene	10.611	75	18259	4.513	ug/l	100
54) cis-1,3-Dichloropropene	10.075	75	21173	4.612	ug/l	97
55) 1,1,2-Trichloroethane	10.788	97	12594	5.057	ug/l	95
56) Ethyl methacrylate	10.648	69	14387	4.317	ug/l	95
57) 1,3-Dichloropropane	10.934	76	21654	4.988	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.928	63	41991	22.777	ug/l	98
59) 2-Hexanone	10.971	43	37796	23.074	ug/l	95
60) Dibromochloromethane	11.129	129	13654	4.799	ug/l	98
61) 1,2-Dibromoethane	11.239	107	11992	4.955	ug/l	100
64) Tetrachloroethene	10.861	164	11449	5.066	ug/l	93
65) Chlorobenzene	11.654	112	43515	5.110	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.733	131	13037	4.907	ug/l	98
67) Ethyl Benzene	11.727	91	67071	4.650	ug/l	97
68) m/p-Xylenes	11.837	106	50482	9.070	ug/l	96
69) o-Xylene	12.166	106	22602	4.393	ug/l	97
70) Styrene	12.178	104	39288	4.300	ug/l	98
71) Bromoform	12.349	173	7283	4.792	ug/l #	95
73) Isopropylbenzene	12.458	105	57306	4.164	ug/l	98
74) N-amyl acetate	12.269	43	16327	4.135	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.708	83	15805	4.836	ug/l	98
76) 1,2,3-Trichloropropane	12.763	75	19129	6.318	ug/l	57
77) Bromobenzene	12.745	156	14698	4.471	ug/l	97
78) n-propylbenzene	12.800	91	72140	4.257	ug/l	99
79) 2-Chlorotoluene	12.885	91	46879	4.483	ug/l	98
80) 1,3,5-Trimethylbenzene	12.940	105	49607	4.245	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.513	75	4520	4.378	ug/l	92
82) 4-Chlorotoluene	12.983	91	50782	4.570	ug/l	100
83) tert-Butylbenzene	13.202	119	39993	4.124	ug/l	98
84) 1,2,4-Trimethylbenzene	13.245	105	49891	4.194	ug/l	100
85) sec-Butylbenzene	13.379	105	64254	4.382	ug/l	98
86) p-Isopropyltoluene	13.495	119	51939	4.249	ug/l	97
87) 1,3-Dichlorobenzene	13.495	146	30445	4.654	ug/l	94
88) 1,4-Dichlorobenzene	13.574	146	32554	4.925	ug/l	95
89) n-Butylbenzene	13.818	91	51328	4.323	ug/l	99
90) Hexachloroethane	14.086	117	10372	4.640	ug/l	99
91) 1,2-Dichlorobenzene	13.867	146	28653	4.836	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.476	75	2976	5.123	ug/l	93
93) 1,2,4-Trichlorobenzene	15.123	180	15646	4.414	ug/l	99
94) Hexachlorobutadiene	15.226	225	8109	5.118	ug/l	98
95) Naphthalene	15.360	128	34667	3.991	ug/l	99
96) 1,2,3-Trichlorobenzene	15.549	180	14053	4.357	ug/l	92

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081125\
Data File : VW032052.D
Acq On : 11 Aug 2025 08:25
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

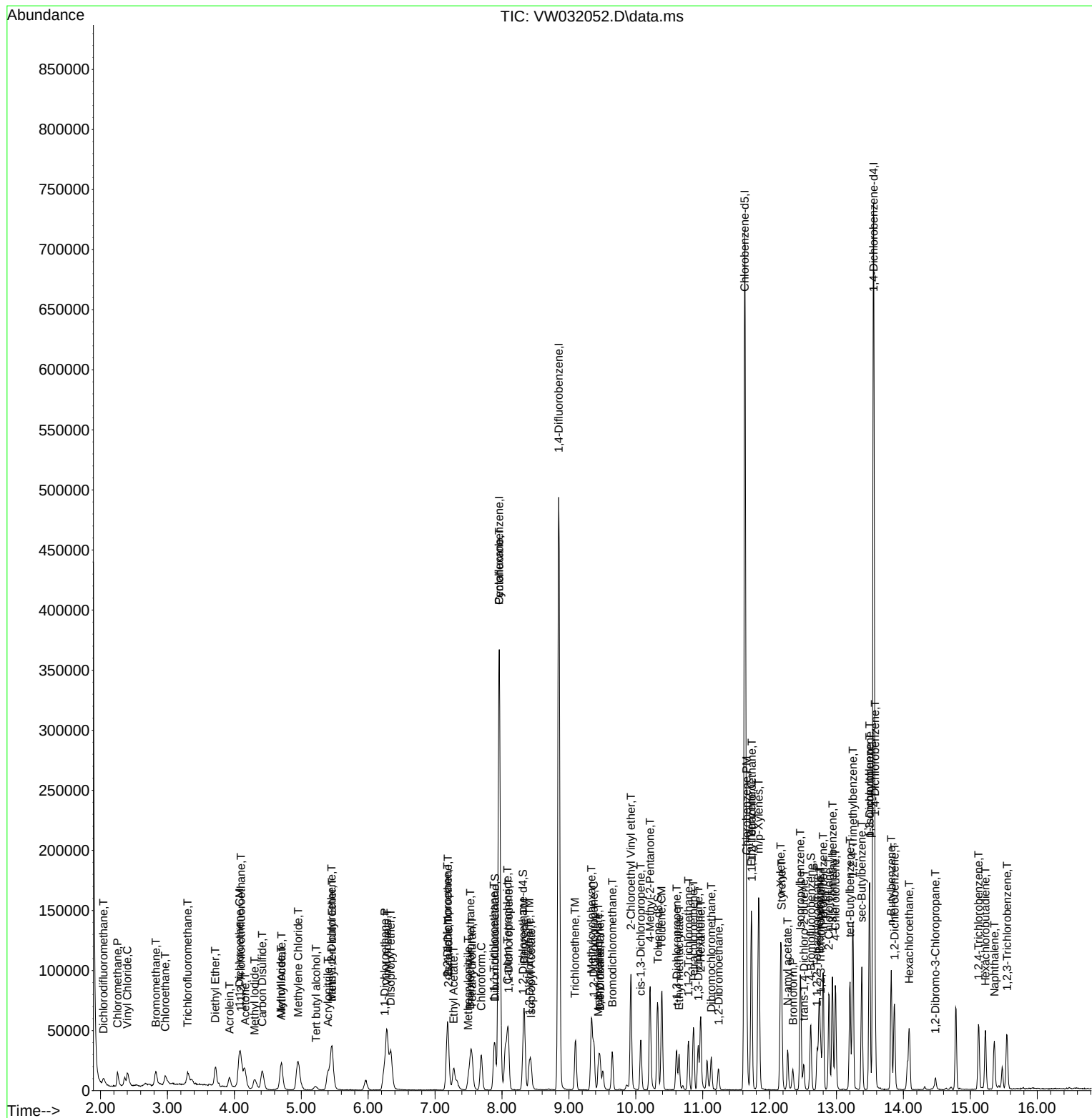
Quant Time: Aug 12 03:36:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 12 03:34:13 2025
Response via : Initial Calibration

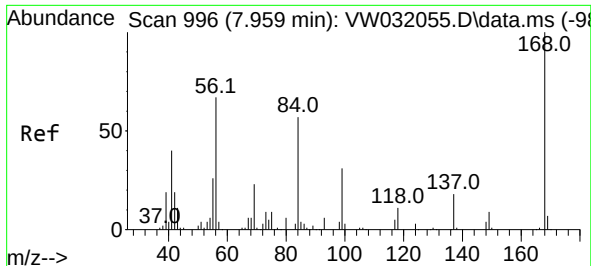
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Quant Time: Aug 12 03:36:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 12 03:34:13 2025
Response via : Initial Calibration

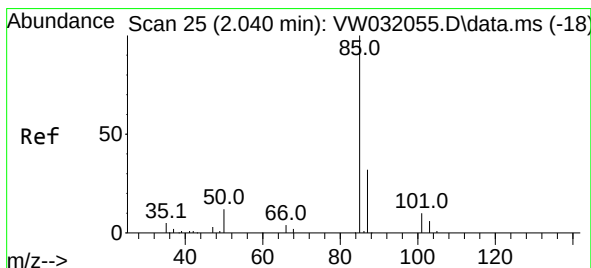
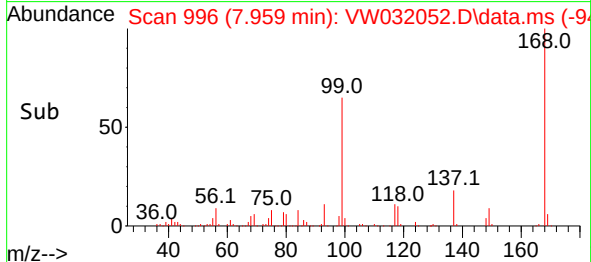
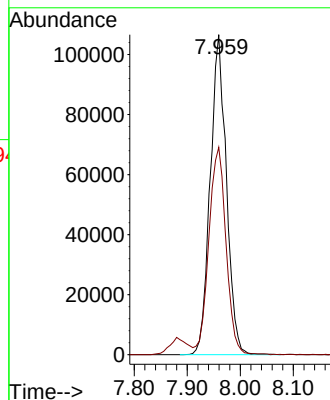
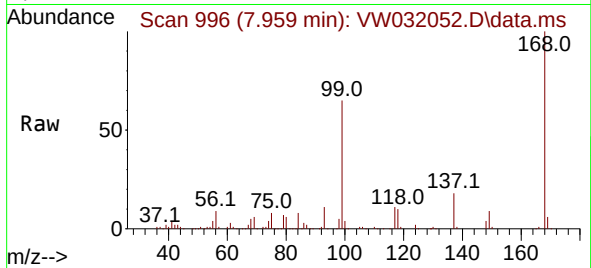




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 996
Delta R.T. 0.000 min
Lab File: VW032052.D
Acq: 11 Aug 2025 08:25

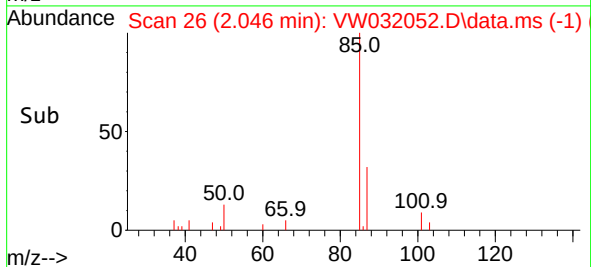
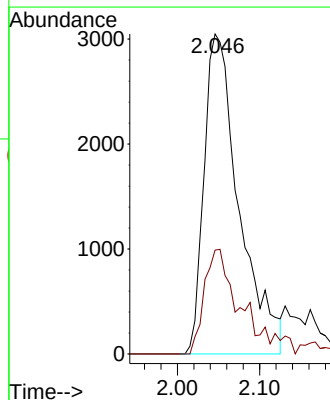
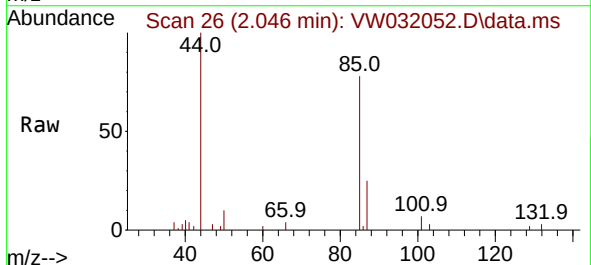
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

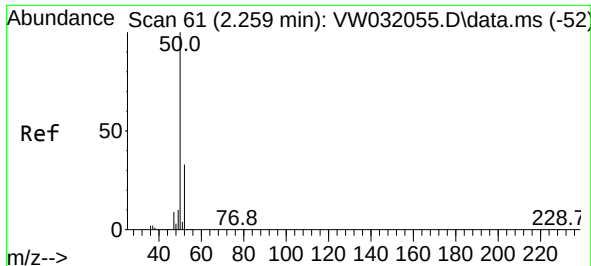
Tgt Ion:168 Resp: 225574
Ion Ratio Lower Upper
168 100
99 64.7 56.0 84.0



#2
Dichlorodifluoromethane
Concen: 5.583 ug/l
RT: 2.046 min Scan# 26
Delta R.T. 0.006 min
Lab File: VW032052.D
Acq: 11 Aug 2025 08:25

Tgt Ion: 85 Resp: 9007
Ion Ratio Lower Upper
85 100
87 32.5 16.2 48.6

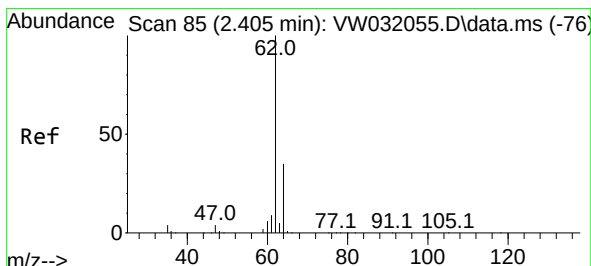
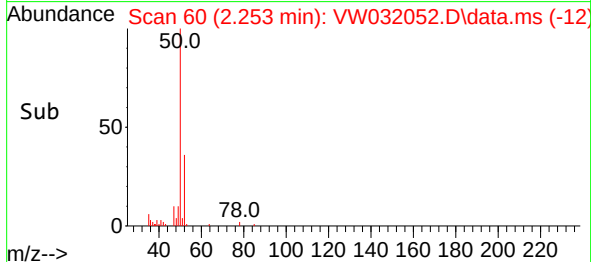
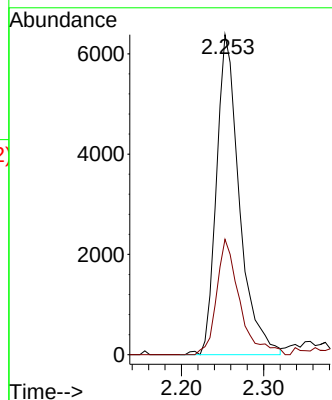
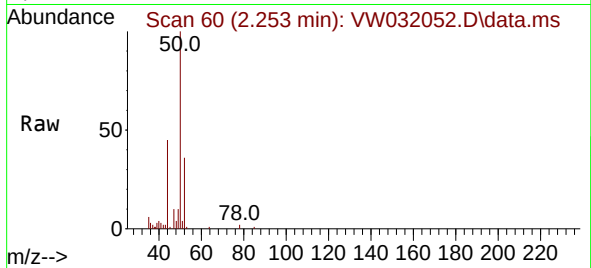




#3
Chloromethane
Concen: 5.695 ug/l
RT: 2.253 min Scan# 60
Delta R.T. -0.006 min
Lab File: VW032052.D
Acq: 11 Aug 2025 08:25

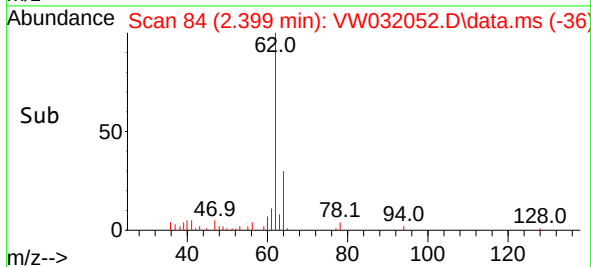
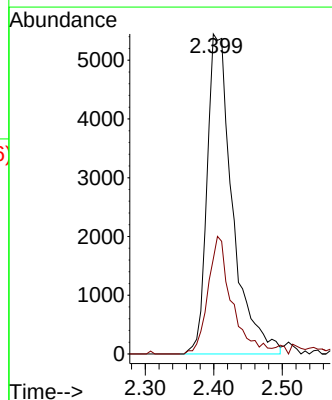
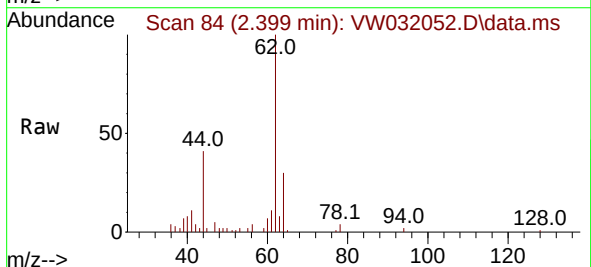
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

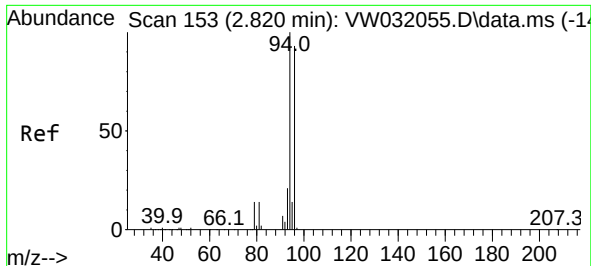
Tgt Ion: 50 Resp: 12377
Ion Ratio Lower Upper
50 100
52 36.1 26.6 39.8



#4
Vinyl Chloride
Concen: 5.337 ug/l
RT: 2.399 min Scan# 84
Delta R.T. -0.006 min
Lab File: VW032052.D
Acq: 11 Aug 2025 08:25

Tgt Ion: 62 Resp: 14029
Ion Ratio Lower Upper
62 100
64 29.8 27.8 41.6

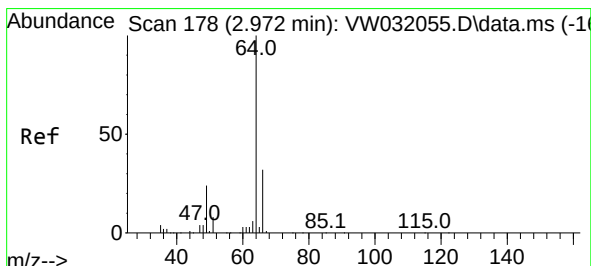
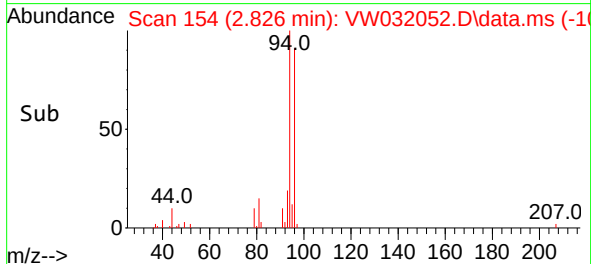
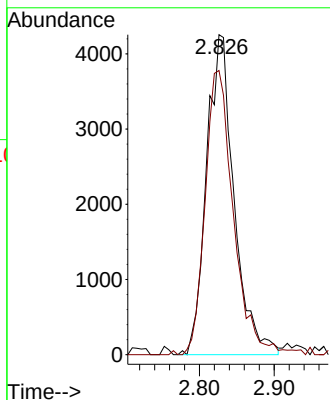
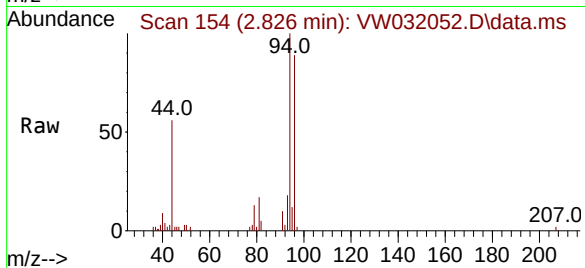




#5
Bromomethane
Concen: 5.516 ug/l
RT: 2.826 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW032052.D
Acq: 11 Aug 2025 08:25

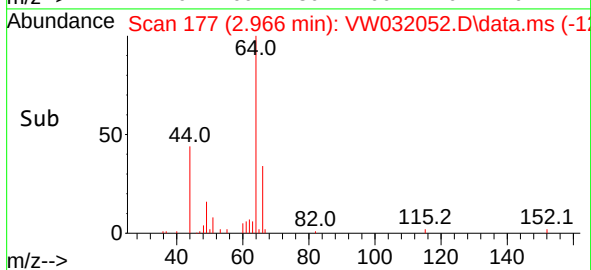
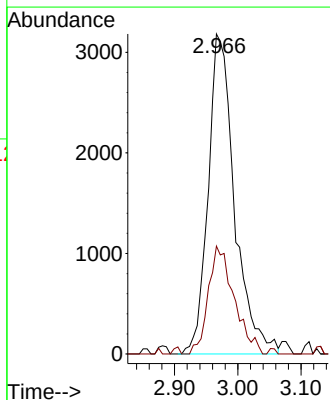
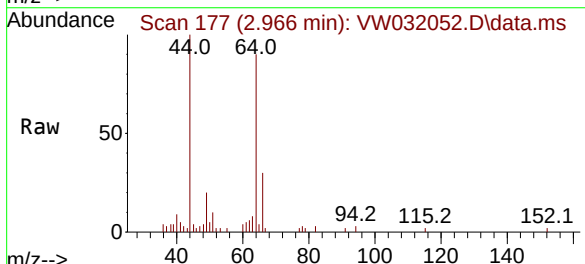
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

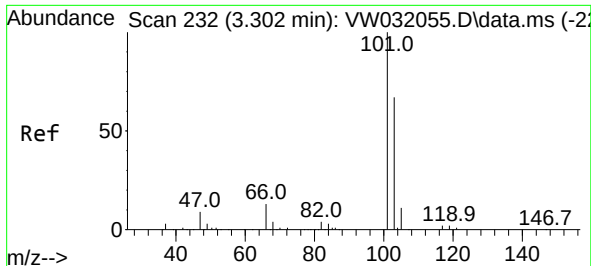
Tgt Ion: 94 Resp: 10878
Ion Ratio Lower Upper
94 100
96 88.8 74.7 112.1



#6
Chloroethane
Concen: 5.300 ug/l
RT: 2.966 min Scan# 177
Delta R.T. -0.006 min
Lab File: VW032052.D
Acq: 11 Aug 2025 08:25

Tgt Ion: 64 Resp: 9219
Ion Ratio Lower Upper
64 100
66 33.7 26.0 39.0

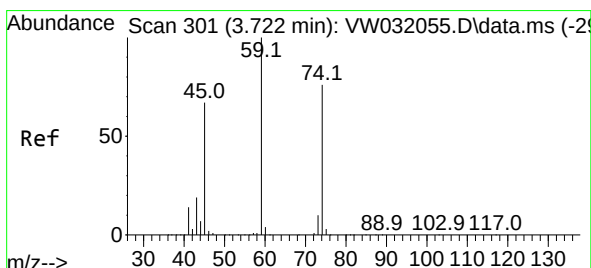
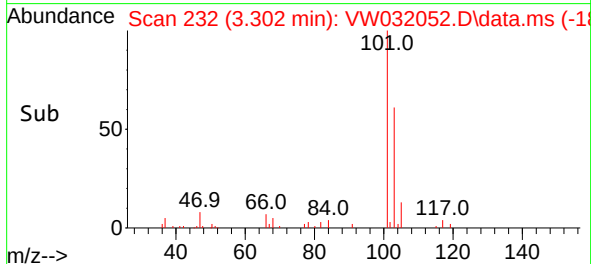
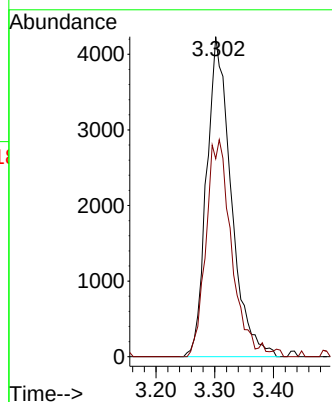
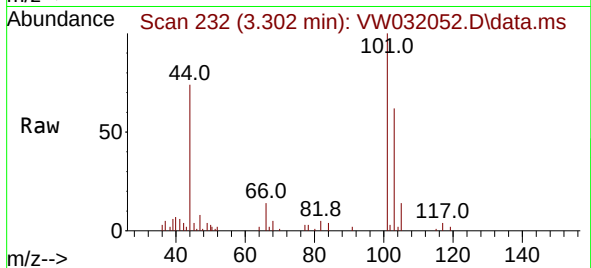




#7
 Trichlorofluoromethane
 Concen: 5.840 ug/l
 RT: 3.302 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VW032052.D
 Acq: 11 Aug 2025 08:25

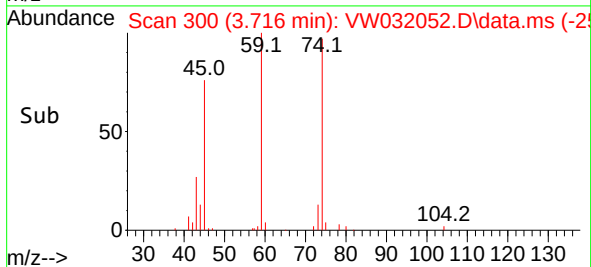
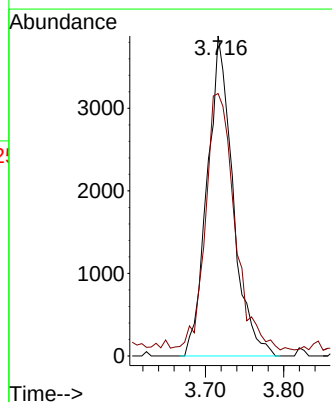
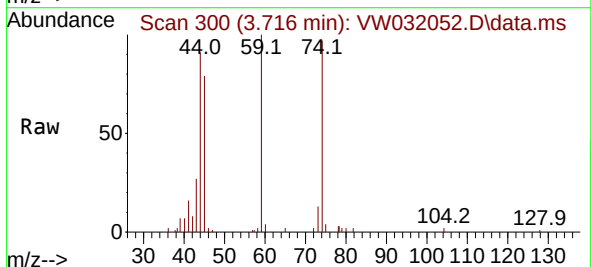
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

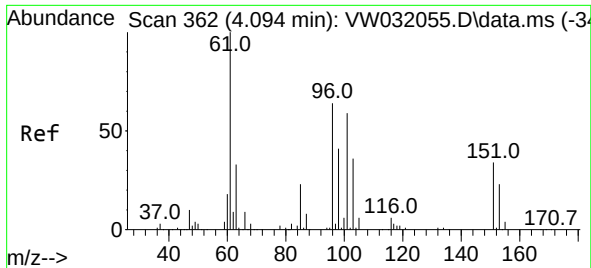
Tgt Ion:101 Resp: 12298
 Ion Ratio Lower Upper
 101 100
 103 61.8 53.4 80.0



#8
 Diethyl Ether
 Concen: 5.114 ug/l
 RT: 3.716 min Scan# 300
 Delta R.T. -0.006 min
 Lab File: VW032052.D
 Acq: 11 Aug 2025 08:25

Tgt Ion: 74 Resp: 8824
 Ion Ratio Lower Upper
 74 100
 45 92.8 45.4 136.2

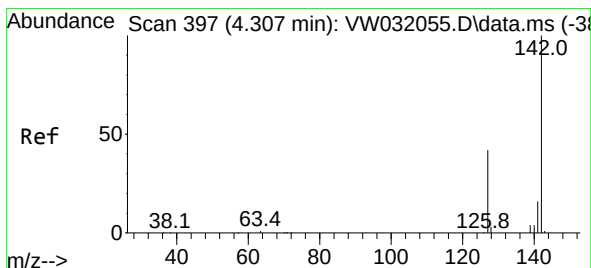
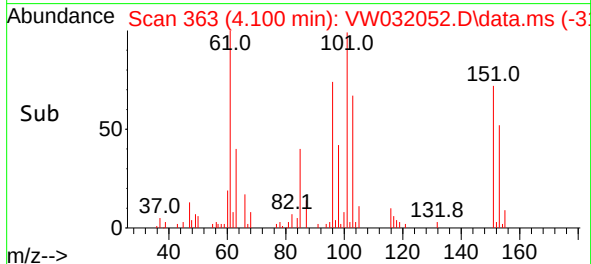
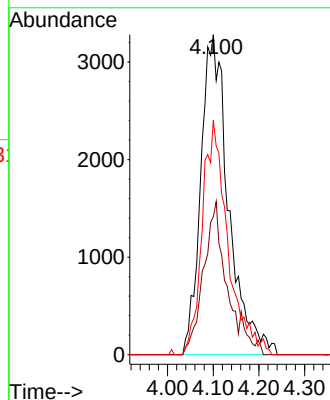
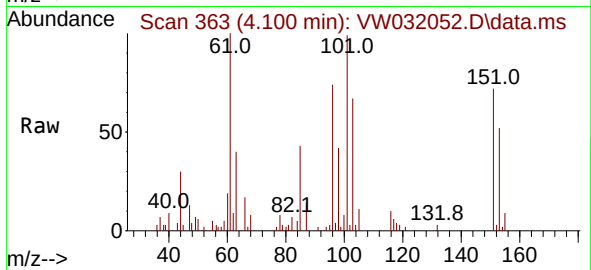




#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.596 ug/l
RT: 4.100 min Scan# 363
Delta R.T. 0.006 min
Lab File: VW032052.D
Acq: 11 Aug 2025 08:25

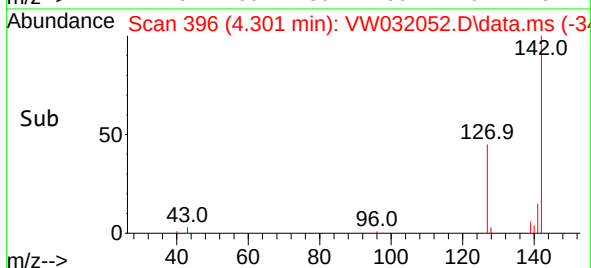
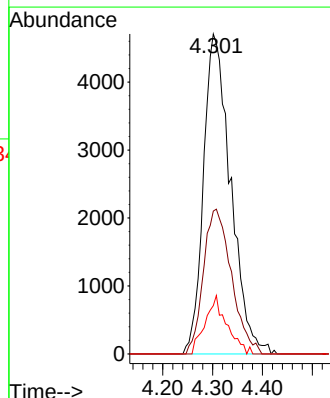
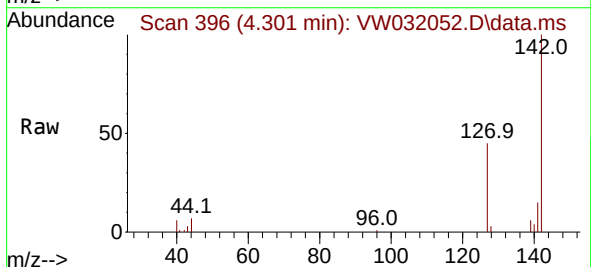
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

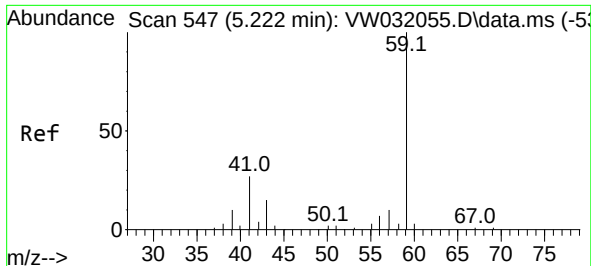
Tgt Ion:101 Resp: 13903
Ion Ratio Lower Upper
101 100
85 36.9 34.9 52.3
151 67.0 56.2 84.4



#10
Methyl Iodide
Concen: 5.050 ug/l
RT: 4.301 min Scan# 396
Delta R.T. -0.006 min
Lab File: VW032052.D
Acq: 11 Aug 2025 08:25

Tgt Ion:142 Resp: 17789
Ion Ratio Lower Upper
142 100
127 46.8 36.6 55.0
141 14.6 12.1 18.1

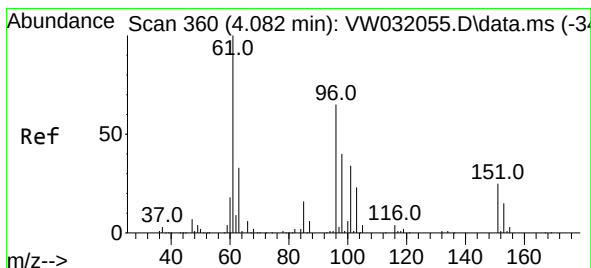
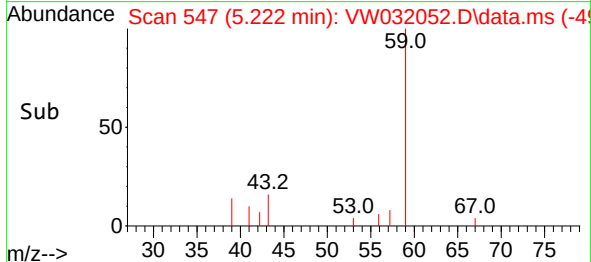
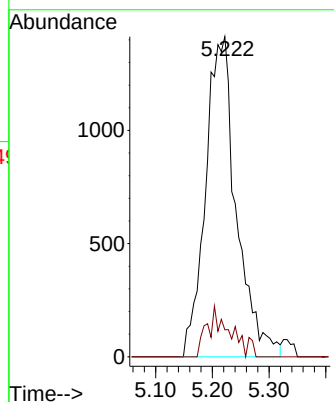
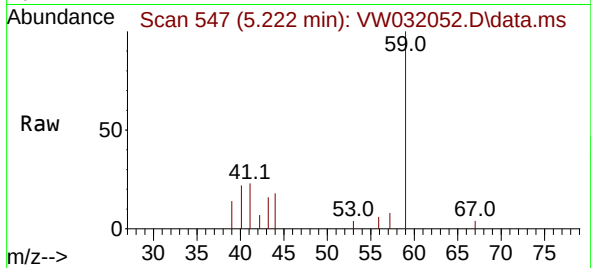




#11
Tert butyl alcohol
Concen: 25.221 ug/l
RT: 5.222 min Scan# 54
Delta R.T. -0.000 min
Lab File: VW032052.D
Acq: 11 Aug 2025 08:25

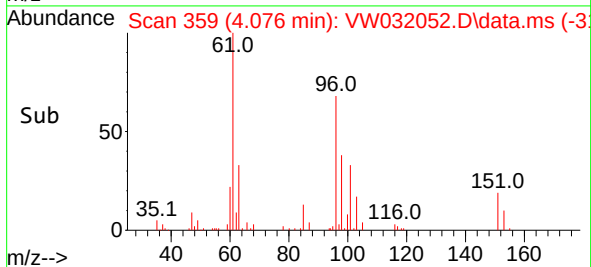
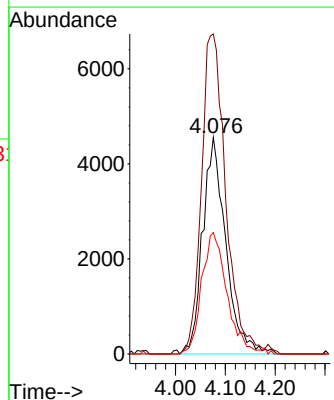
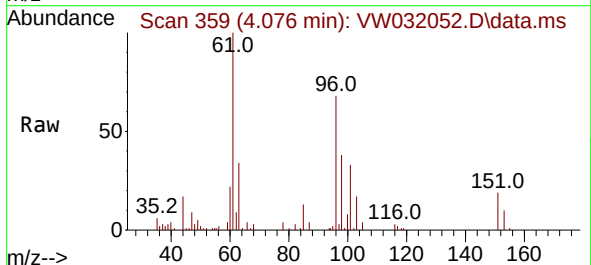
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

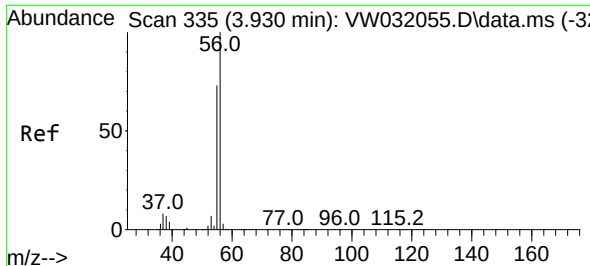
Tgt Ion: 59 Resp: 5328
Ion Ratio Lower Upper
59 100
57 8.7 8.7 13.1



#12
1,1-Dichloroethene
Concen: 5.357 ug/l
RT: 4.076 min Scan# 359
Delta R.T. -0.006 min
Lab File: VW032052.D
Acq: 11 Aug 2025 08:25

Tgt Ion: 96 Resp: 14655
Ion Ratio Lower Upper
96 100
61 147.7 123.4 185.2
98 56.0 49.5 74.3

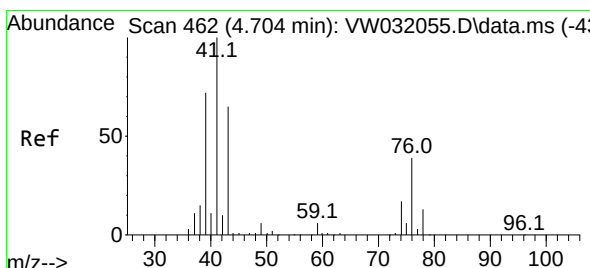
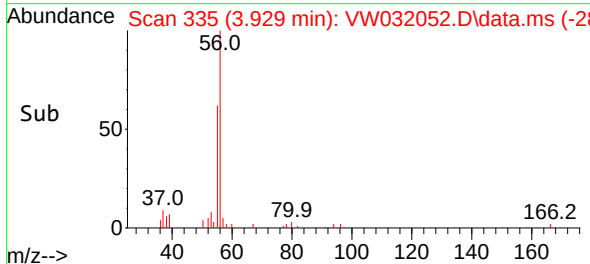
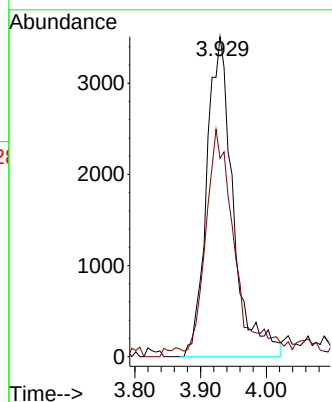
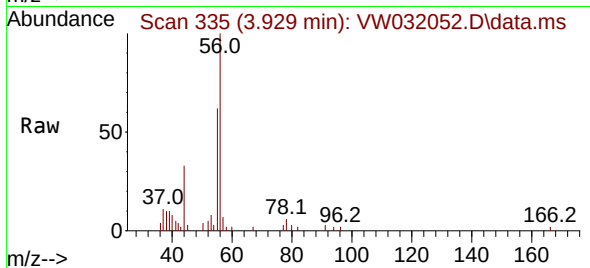




#13
Acrolein
Concen: 29.207 ug/l
RT: 3.929 min Scan# 31
Delta R.T. -0.000 min
Lab File: VW032052.D
Acq: 11 Aug 2025 08:25

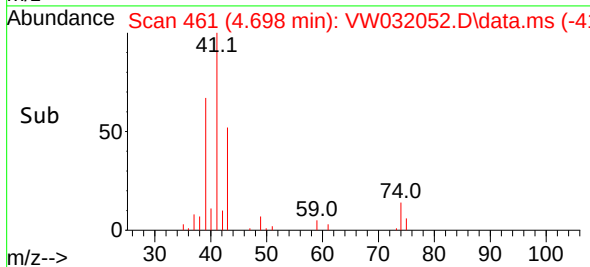
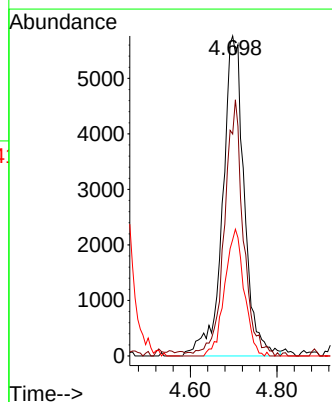
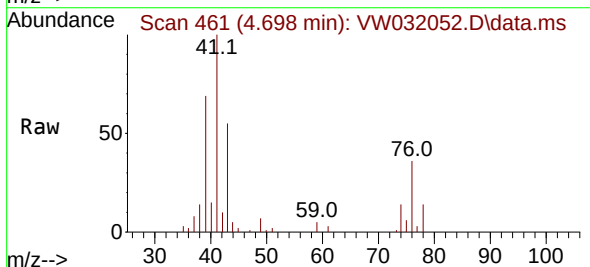
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

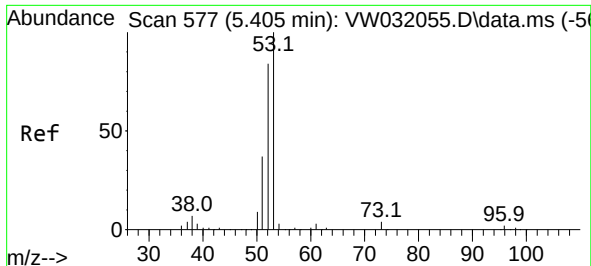
Tgt Ion: 56 Resp: 9831
Ion Ratio Lower Upper
56 100
55 78.5 55.4 83.2



#14
Allyl chloride
Concen: 5.023 ug/l
RT: 4.698 min Scan# 461
Delta R.T. -0.006 min
Lab File: VW032052.D
Acq: 11 Aug 2025 08:25

Tgt Ion: 41 Resp: 19999
Ion Ratio Lower Upper
41 100
39 70.2 54.5 81.7
76 35.7 29.3 43.9

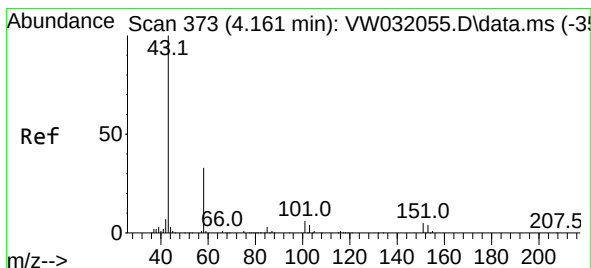
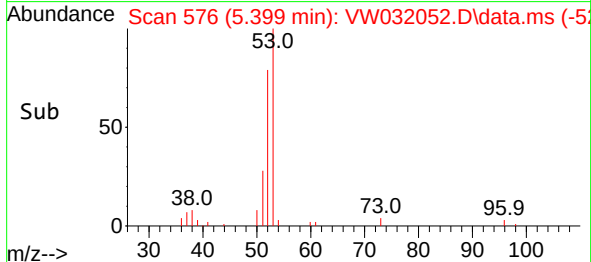
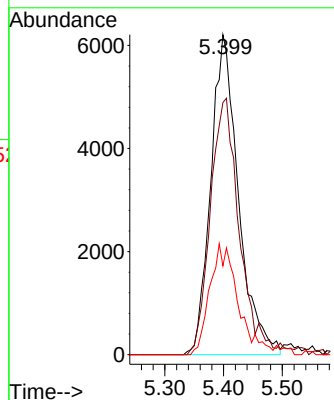
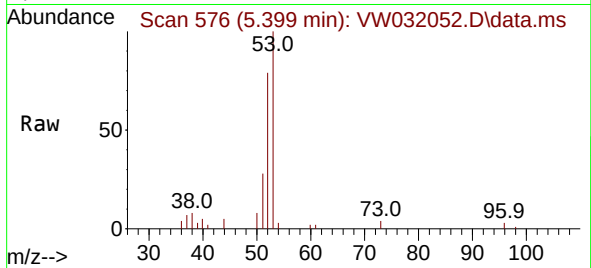




#15
Acrylonitrile
Concen: 24.751 ug/l
RT: 5.399 min Scan# 51
Delta R.T. -0.006 min
Lab File: VW032052.D
Acq: 11 Aug 2025 08:25

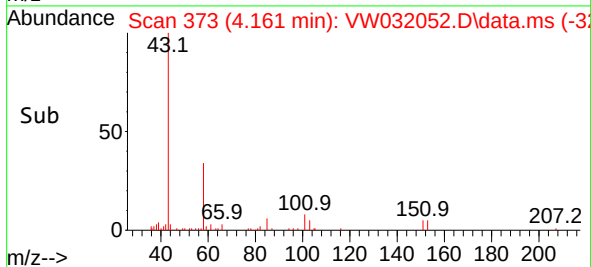
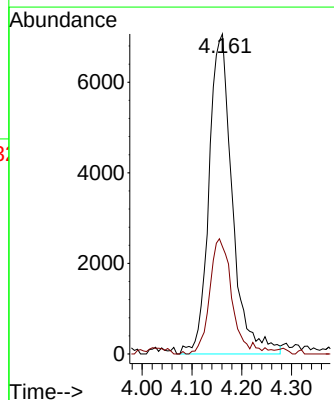
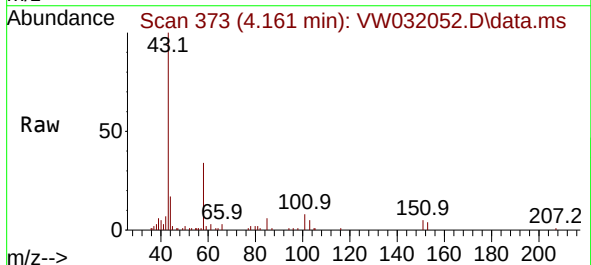
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

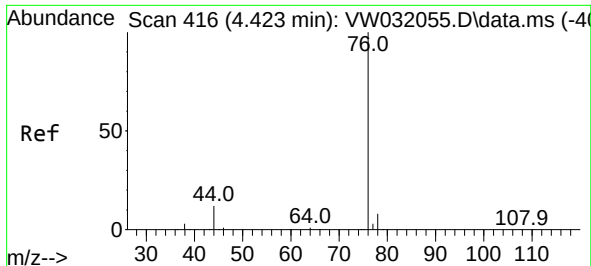
Tgt Ion:	53	Resp:	20340
Ion	Ratio	Lower	Upper
53	100		
52	83.0	66.1	99.1
51	35.2	29.2	43.8



#16
Acetone
Concen: 30.337 ug/l
RT: 4.161 min Scan# 373
Delta R.T. -0.000 min
Lab File: VW032052.D
Acq: 11 Aug 2025 08:25

Tgt Ion:	43	Resp:	22915
Ion	Ratio	Lower	Upper
43	100		
58	33.5	26.6	39.8

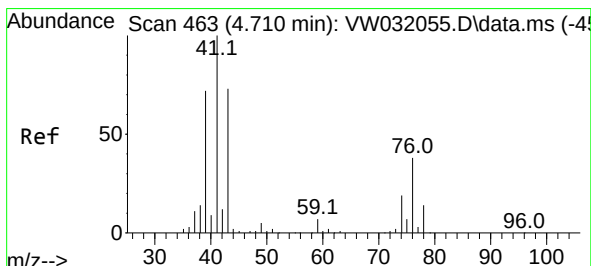
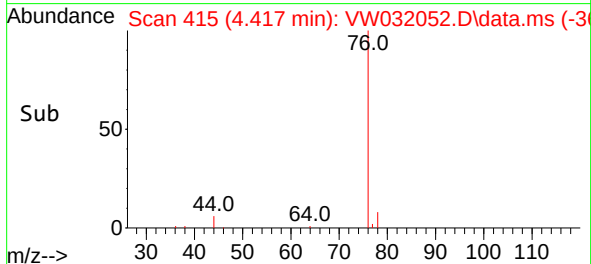
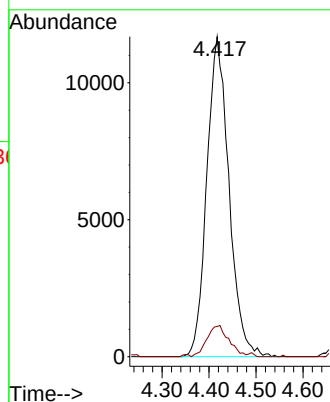
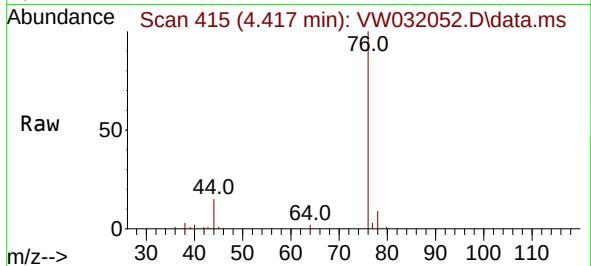




#17
Carbon Disulfide
Concen: 5.204 ug/l
RT: 4.417 min Scan# 415
Delta R.T. -0.006 min
Lab File: VW032052.D
Acq: 11 Aug 2025 08:25

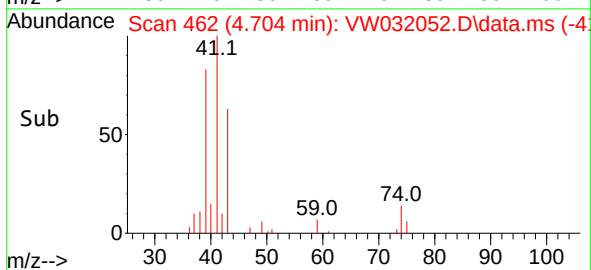
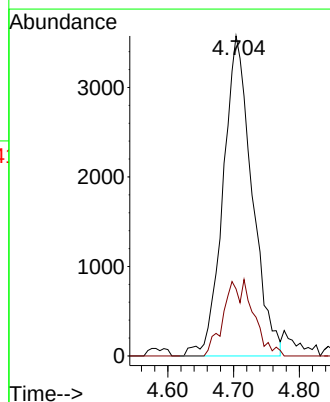
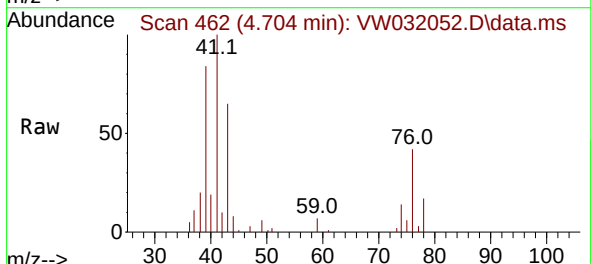
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

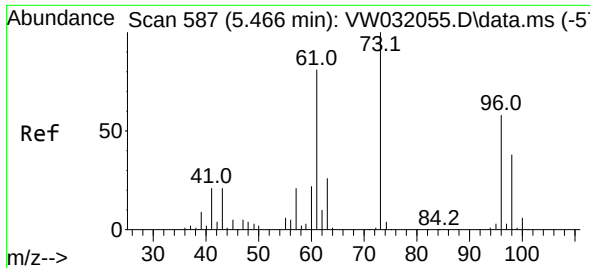
Tgt Ion: 76 Resp: 38213
Ion Ratio Lower Upper
76 100
78 9.4 6.4 9.6



#18
Methyl Acetate
Concen: 4.578 ug/l
RT: 4.704 min Scan# 462
Delta R.T. -0.006 min
Lab File: VW032052.D
Acq: 11 Aug 2025 08:25

Tgt Ion: 43 Resp: 10943
Ion Ratio Lower Upper
43 100
74 13.7 20.6 31.0#

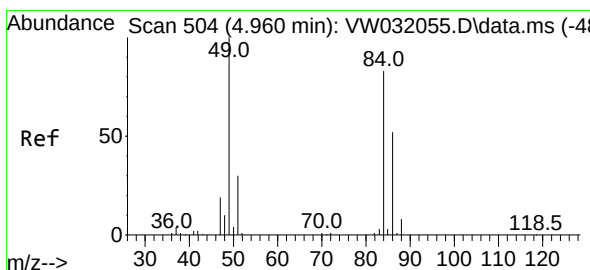
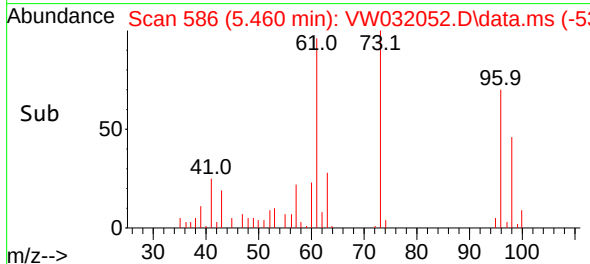
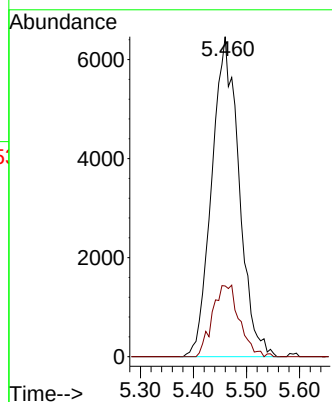
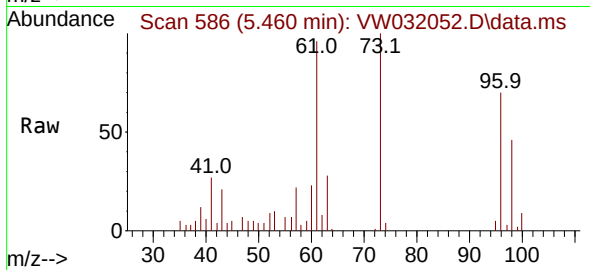




#19
Methyl tert-butyl Ether
Concen: 4.785 ug/l
RT: 5.460 min Scan# 51
Delta R.T. -0.006 min
Lab File: VW032052.D
Acq: 11 Aug 2025 08:25

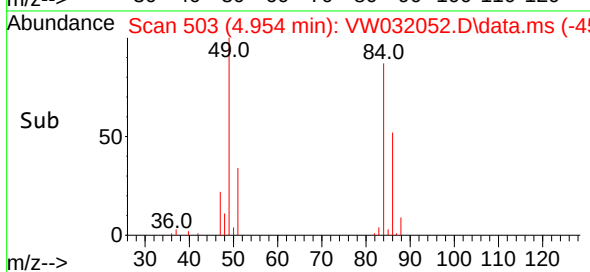
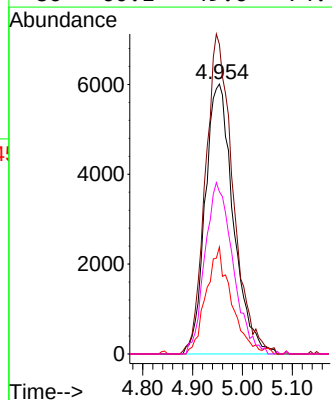
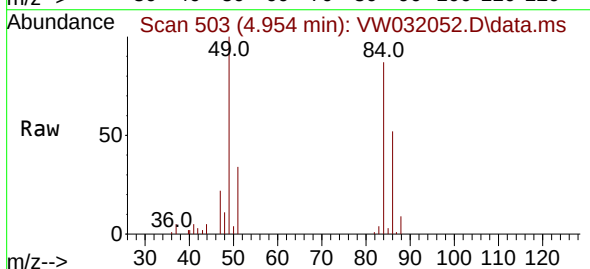
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

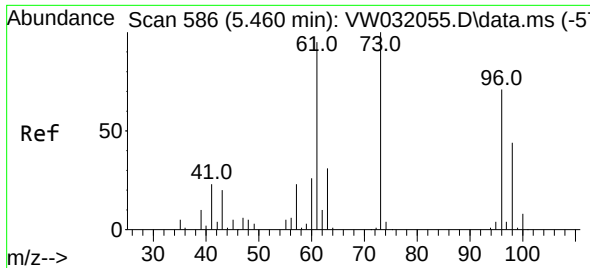
Tgt Ion: 73 Resp: 23062
Ion Ratio Lower Upper
73 100
57 22.1 17.2 25.8



#20
Methylene Chloride
Concen: 6.737 ug/l
RT: 4.954 min Scan# 503
Delta R.T. -0.006 min
Lab File: VW032052.D
Acq: 11 Aug 2025 08:25

Tgt Ion: 84 Resp: 23529
Ion Ratio Lower Upper
84 100
49 114.8 95.9 143.9
51 39.6 28.6 43.0
86 60.1 49.6 74.4

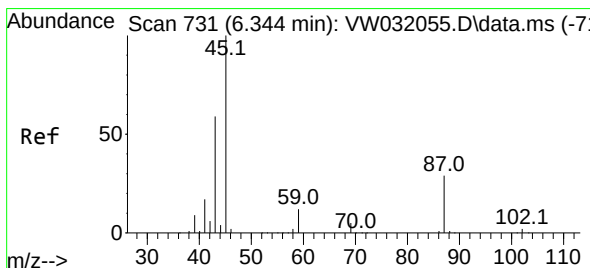
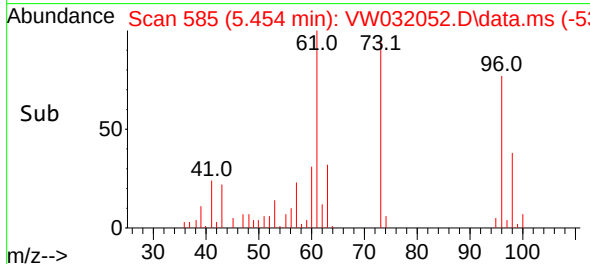
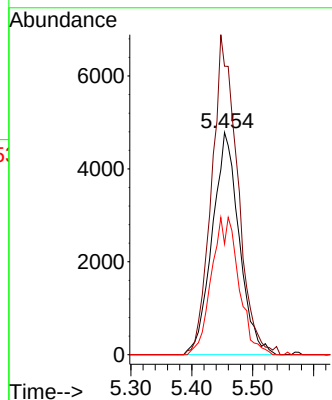
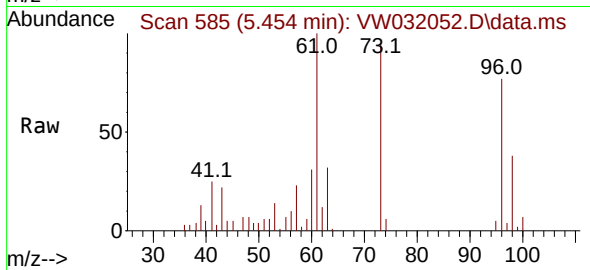




#21
trans-1,2-Dichloroethene
Concen: 5.053 ug/l
RT: 5.454 min Scan# 586
Delta R.T. -0.006 min
Lab File: VW032052.D
Acq: 11 Aug 2025 08:25

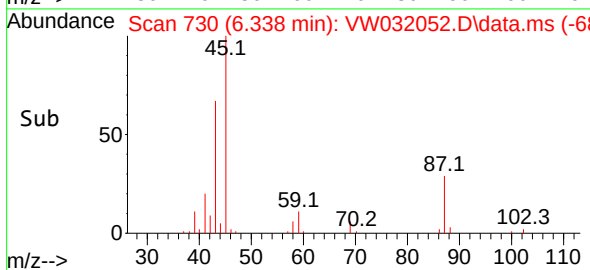
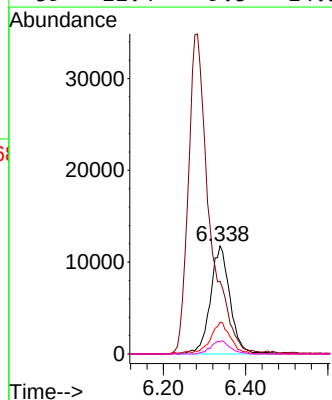
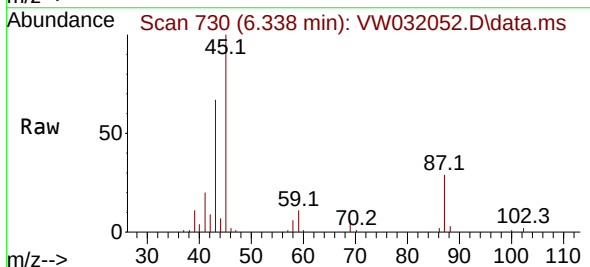
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

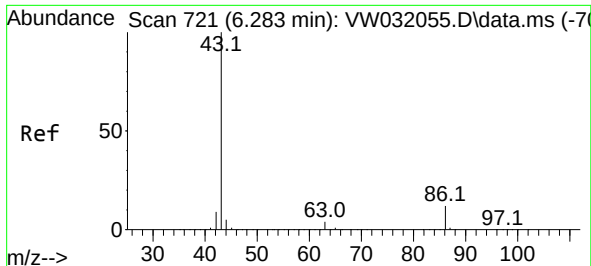
Tgt Ion: 96 Resp: 14671
Ion Ratio Lower Upper
96 100
61 129.9 106.8 160.2
98 49.8 49.6 74.4



#22
Diisopropyl ether
Concen: 4.634 ug/l
RT: 6.338 min Scan# 730
Delta R.T. -0.006 min
Lab File: VW032052.D
Acq: 11 Aug 2025 08:25

Tgt Ion: 45 Resp: 38895
Ion Ratio Lower Upper
45 100
43 66.3 47.0 70.4
87 29.4 23.8 35.8
59 11.4 9.5 14.3

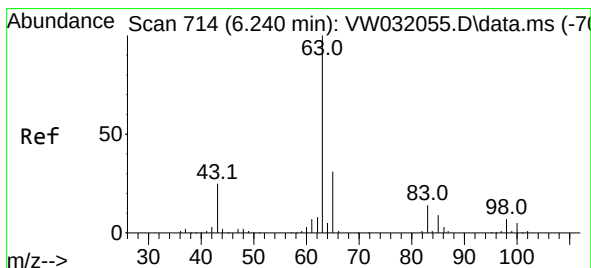
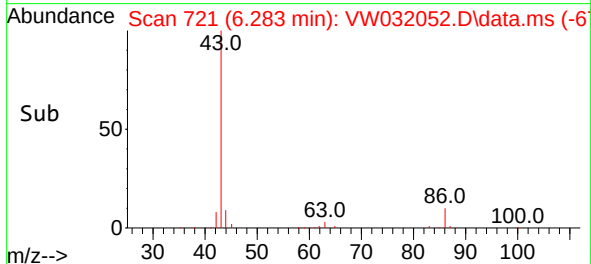
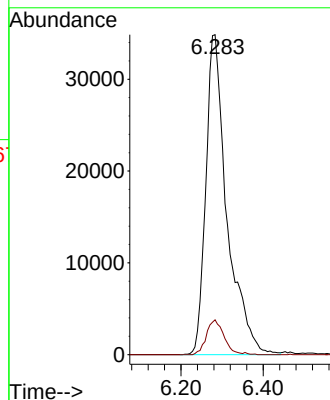
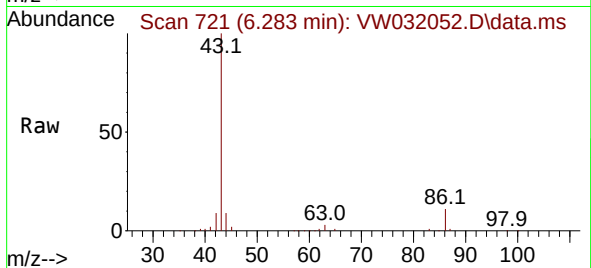




#23
 Vinyl Acetate
 Concen: 22.588 ug/l
 RT: 6.283 min Scan# 715
 Delta R.T. -0.000 min
 Lab File: VW032052.D
 Acq: 11 Aug 2025 08:25

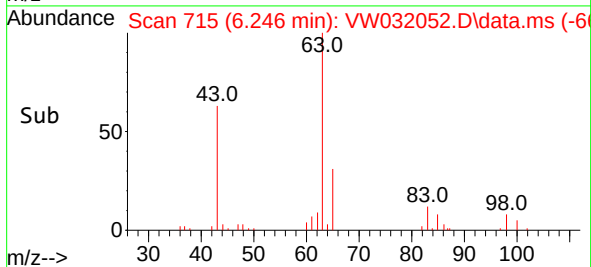
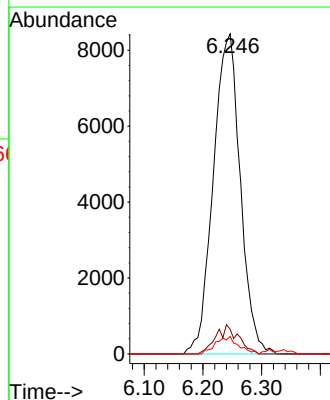
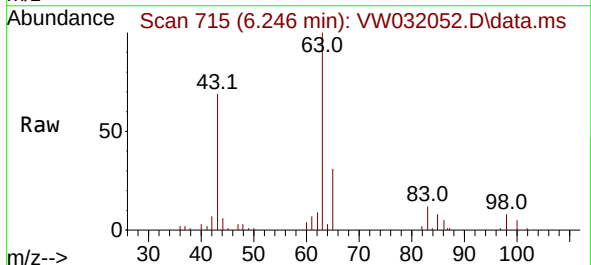
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

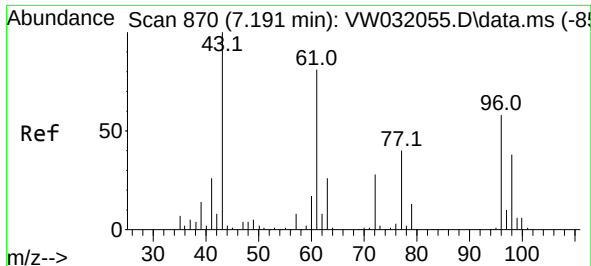
Tgt Ion: 43 Resp: 124477
 Ion Ratio Lower Upper
 43 100
 86 10.9 9.4 14.0



#24
 1,1-Dichloroethane
 Concen: 5.018 ug/l
 RT: 6.246 min Scan# 715
 Delta R.T. 0.006 min
 Lab File: VW032052.D
 Acq: 11 Aug 2025 08:25

Tgt Ion: 63 Resp: 26909
 Ion Ratio Lower Upper
 63 100
 98 7.8 3.7 11.1
 100 5.4 2.5 7.4





#25

2-Butanone

Concen: 24.484 ug/l

RT: 7.197 min Scan# 81

Delta R.T. 0.006 min

Lab File: VW032052.D

Acq: 11 Aug 2025 08:25

Instrument :

MSVOA_W

ClientSampleId :

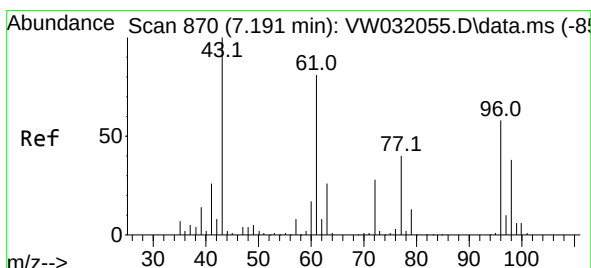
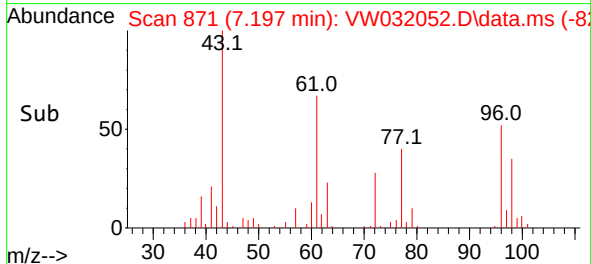
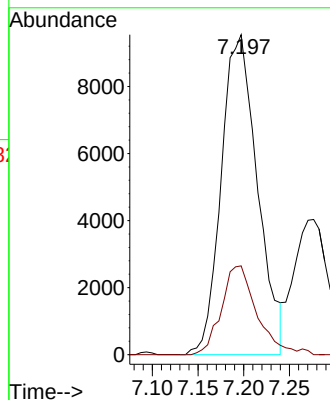
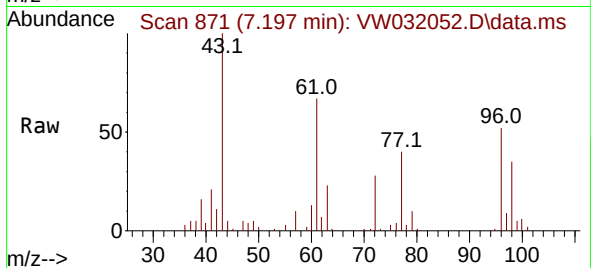
VSTDIC005

Tgt Ion: 43 Resp: 26284

Ion Ratio Lower Upper

43 100

72 27.8 22.3 33.5



#26

2,2-Dichloropropane

Concen: 5.326 ug/l

RT: 7.185 min Scan# 869

Delta R.T. -0.006 min

Lab File: VW032052.D

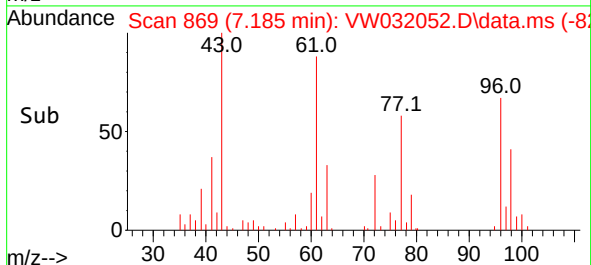
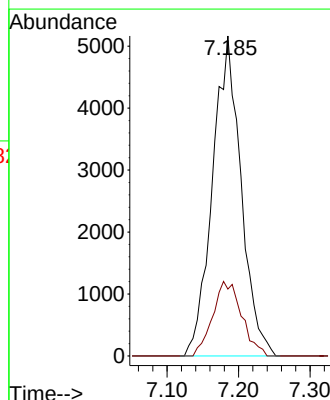
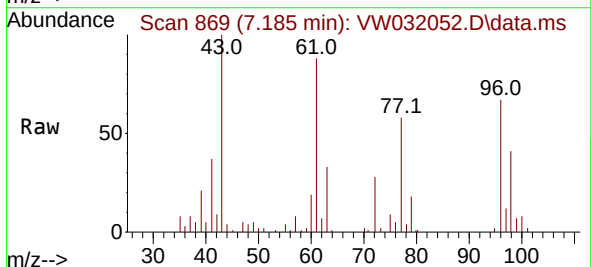
Acq: 11 Aug 2025 08:25

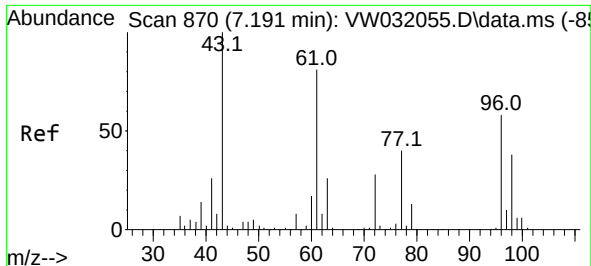
Tgt Ion: 77 Resp: 14330

Ion Ratio Lower Upper

77 100

97 23.6 12.3 36.9





#27

cis-1,2-Dichloroethene

Concen: 4.727 ug/l

RT: 7.191 min Scan# 81

Delta R.T. -0.000 min

Lab File: VW032052.D

Acq: 11 Aug 2025 08:25

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

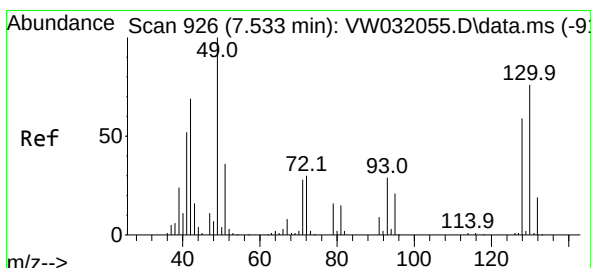
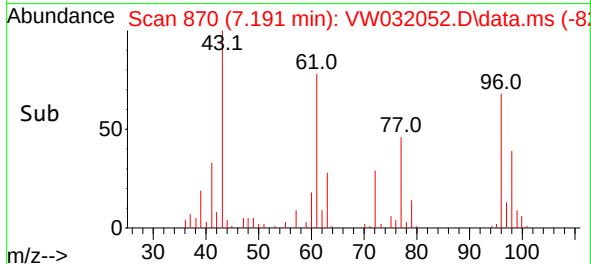
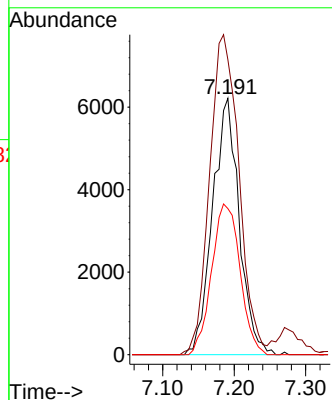
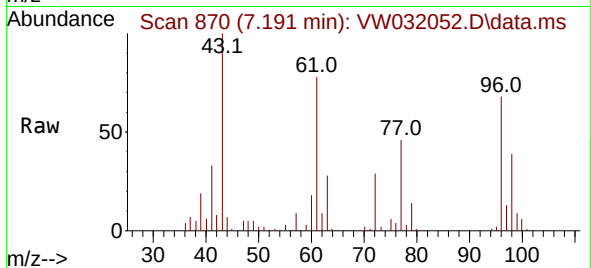
Tgt Ion: 96 Resp: 16041

Ion Ratio Lower Upper

96 100

61 138.1 0.0 281.2

98 62.9 0.0 130.8



#28

Bromochloromethane

Concen: 5.188 ug/l

RT: 7.526 min Scan# 925

Delta R.T. -0.006 min

Lab File: VW032052.D

Acq: 11 Aug 2025 08:25

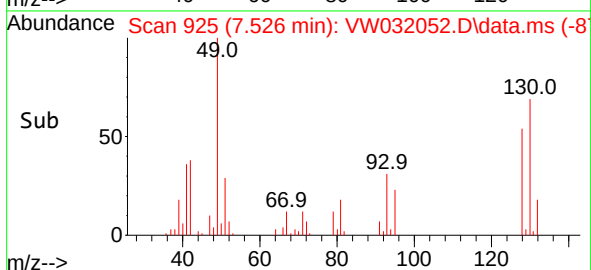
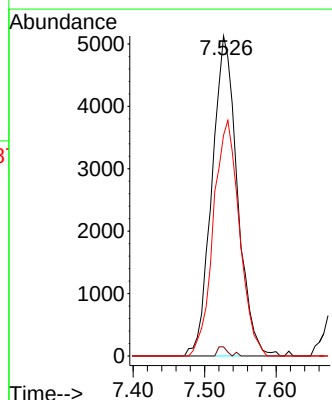
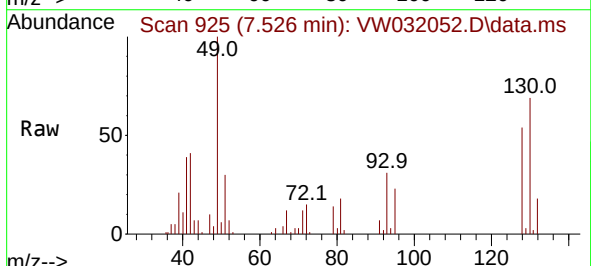
Tgt Ion: 49 Resp: 12660

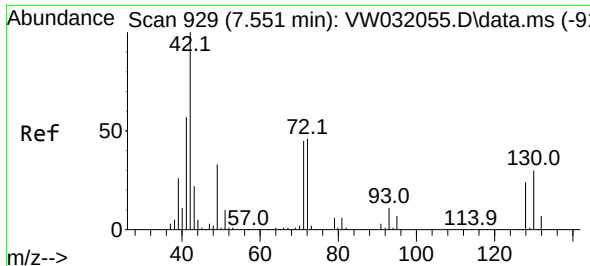
Ion Ratio Lower Upper

49 100

129 1.2 0.0 4.2

130 75.4 61.9 92.9





#29

Tetrahydrofuran

Concen: 23.963 ug/l

RT: 7.551 min Scan# 91

Delta R.T. -0.000 min

Lab File: VW032052.D

Acq: 11 Aug 2025 08:25

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC005

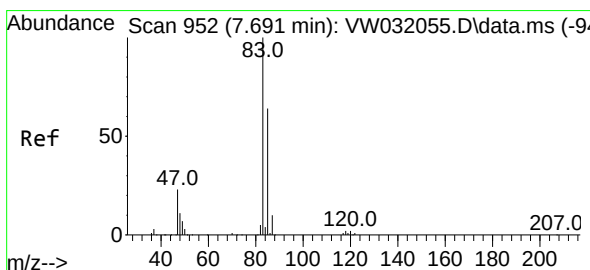
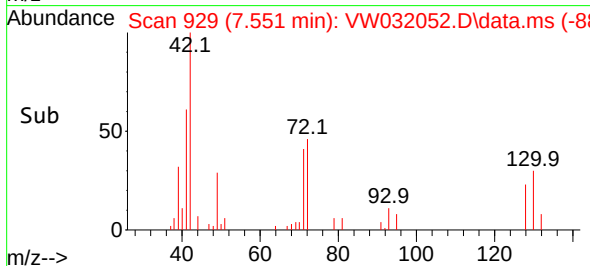
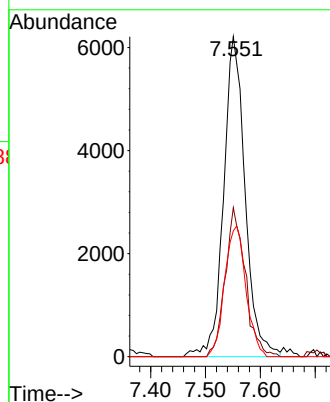
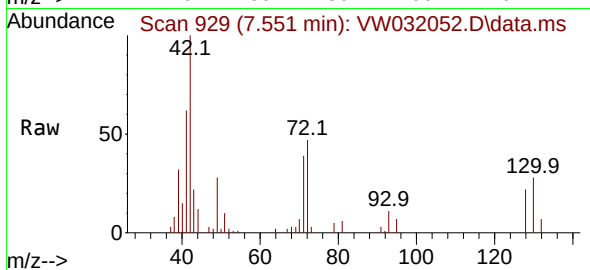
Tgt Ion: 42 Resp: 16965

Ion Ratio Lower Upper

42 100

72 43.6 36.6 55.0

71 40.3 34.7 52.1



#30

Chloroform

Concen: 5.028 ug/l

RT: 7.691 min Scan# 952

Delta R.T. -0.000 min

Lab File: VW032052.D

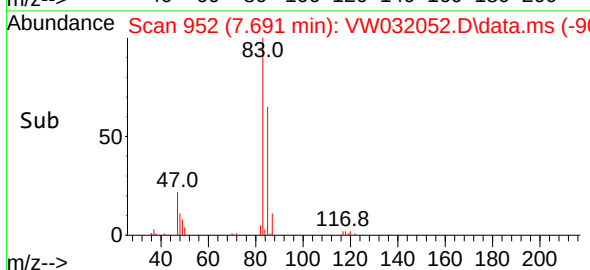
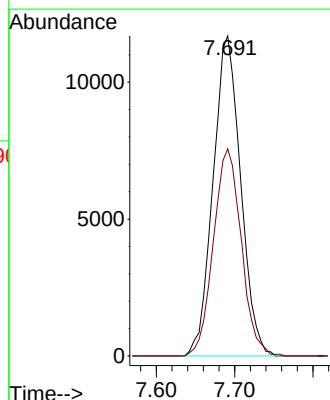
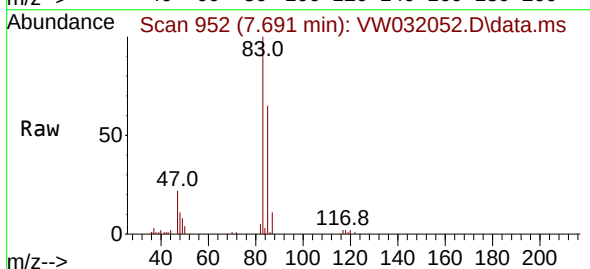
Acq: 11 Aug 2025 08:25

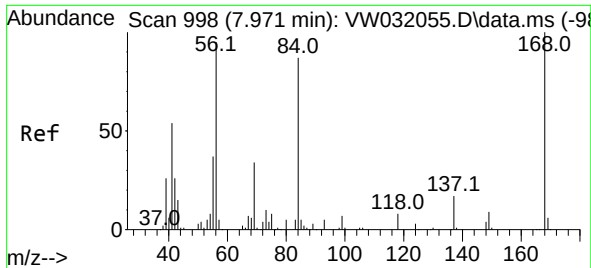
Tgt Ion: 83 Resp: 28586

Ion Ratio Lower Upper

83 100

85 64.7 51.0 76.4

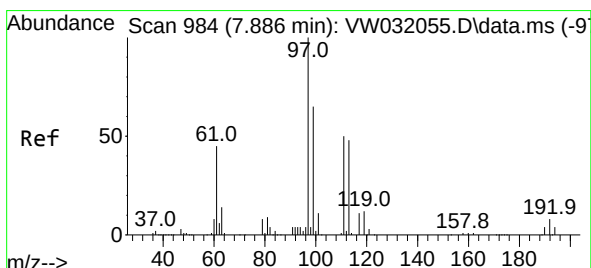
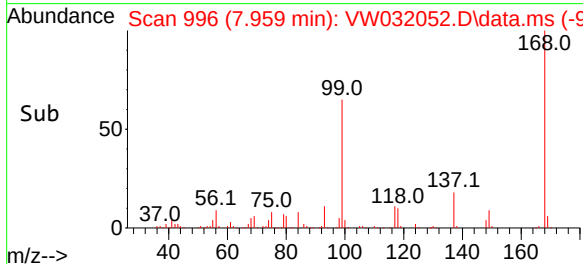
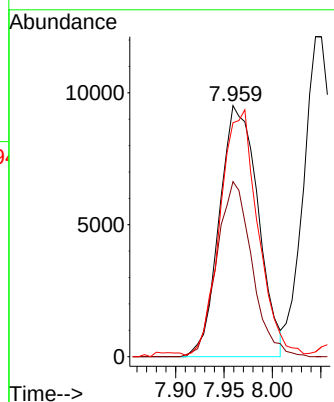
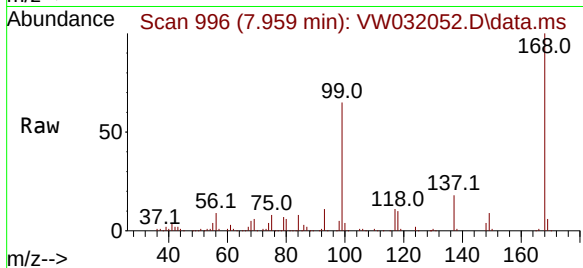




#31
Cyclohexane
Concen: 5.677 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.012 min
Lab File: VW032052.D
Acq: 11 Aug 2025 08:25

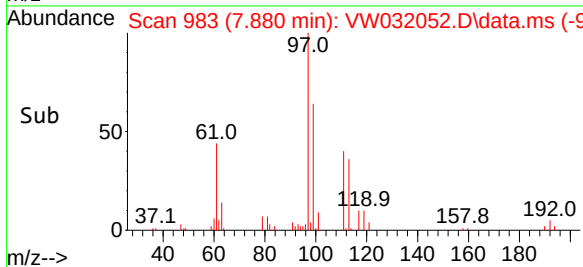
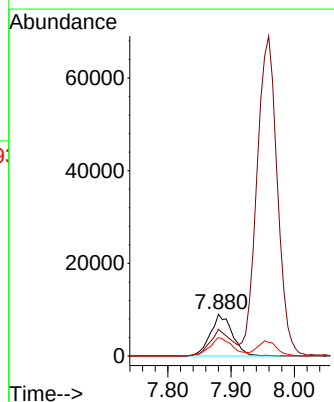
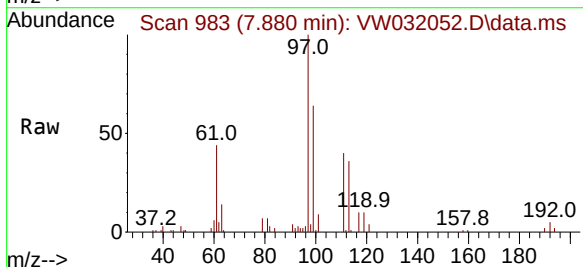
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

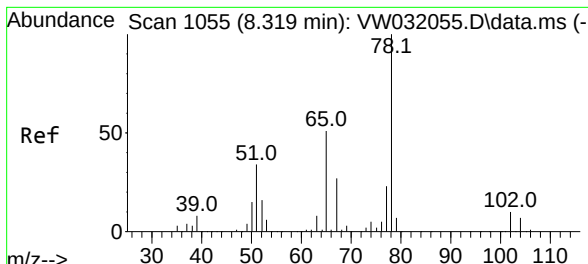
Tgt Ion: 56 Resp: 26393
Ion Ratio Lower Upper
56 100
69 69.7 28.6 42.8#
84 91.7 73.0 109.4



#32
1,1,1-Trichloroethane
Concen: 5.246 ug/l
RT: 7.880 min Scan# 983
Delta R.T. -0.006 min
Lab File: VW032052.D
Acq: 11 Aug 2025 08:25

Tgt Ion: 97 Resp: 21662
Ion Ratio Lower Upper
97 100
99 60.6 51.8 77.8
61 46.4 35.9 53.9

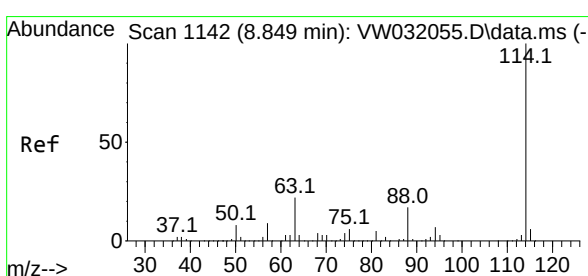
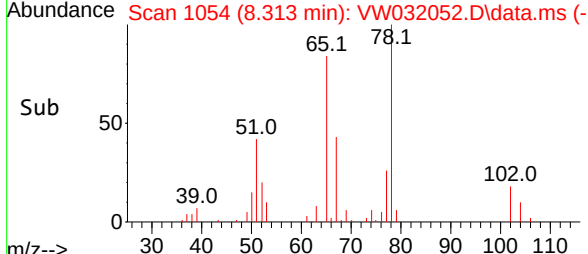
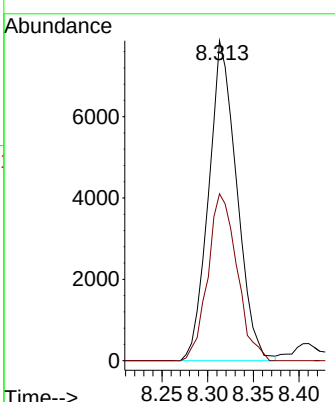
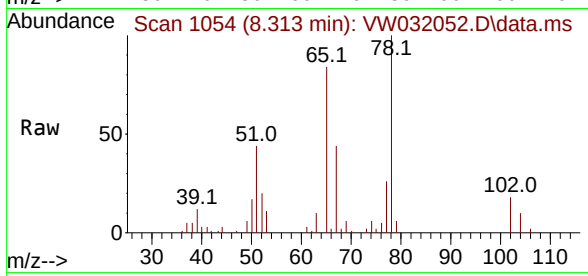




#33
 1,2-Dichloroethane-d4
 Concen: 5.158 ug/l
 RT: 8.313 min Scan# 1054
 Delta R.T. -0.006 min
 Lab File: VW032052.D
 Acq: 11 Aug 2025 08:25

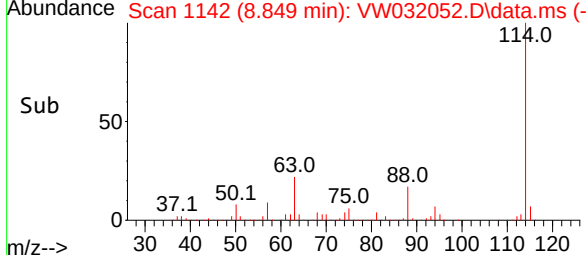
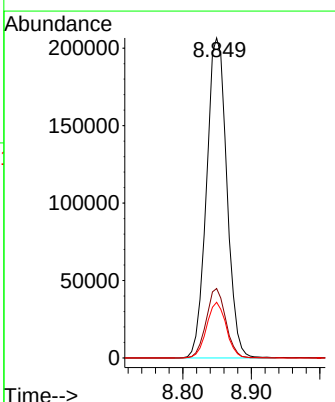
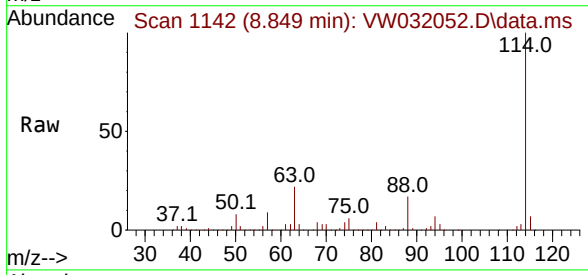
Instrument : MSVOA_W
 ClientSampleId : VSTDIC005

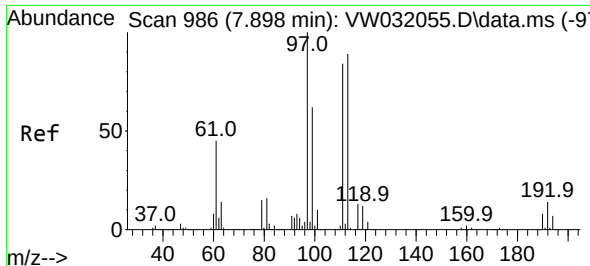
Tgt Ion:	65	Resp:	16827
Ion Ratio	Lower	Upper	
65	100		
67	54.0	0.0	102.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.849 min Scan# 1142
 Delta R.T. -0.000 min
 Lab File: VW032052.D
 Acq: 11 Aug 2025 08:25

Tgt Ion:	114	Resp:	424617
Ion Ratio	Lower	Upper	
114	100		
63	21.7	0.0	43.0
88	17.4	0.0	33.8

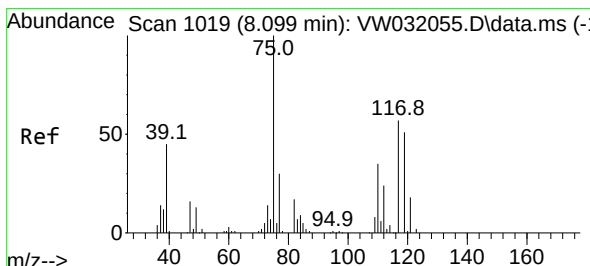
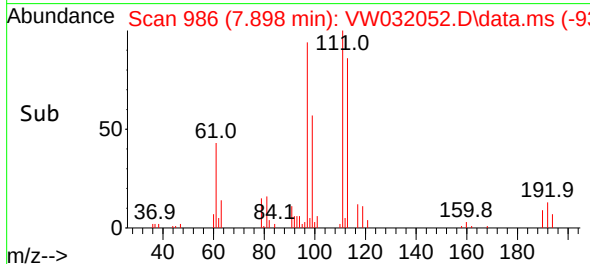
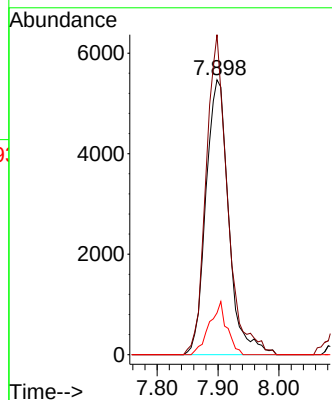
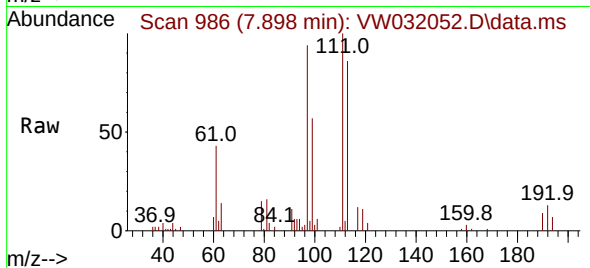




#35
 Dibromofluoromethane
 Concen: 5.205 ug/l
 RT: 7.898 min Scan# 986
 Delta R.T. -0.000 min
 Lab File: VW032052.D
 Acq: 11 Aug 2025 08:25

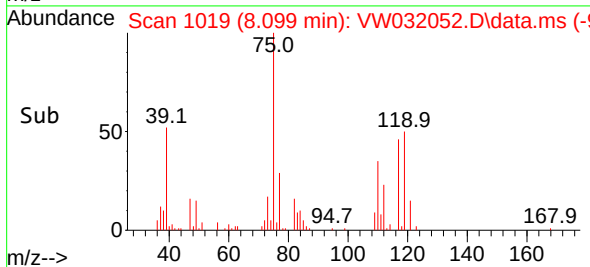
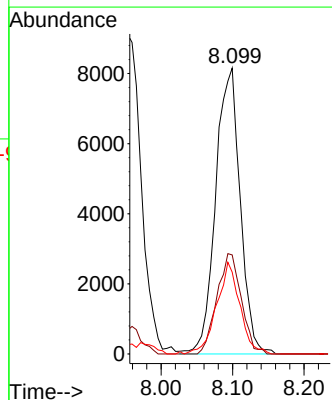
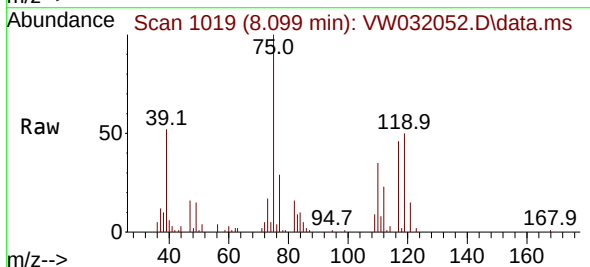
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

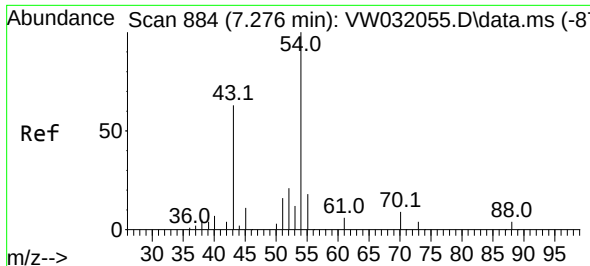
Tgt Ion:113 Resp: 14278
 Ion Ratio Lower Upper
 113 100
 111 109.4 80.1 120.1
 192 14.8 13.1 19.7



#36
 1,1-Dichloropropene
 Concen: 5.034 ug/l
 RT: 8.099 min Scan# 1019
 Delta R.T. -0.000 min
 Lab File: VW032052.D
 Acq: 11 Aug 2025 08:25

Tgt Ion: 75 Resp: 19468
 Ion Ratio Lower Upper
 75 100
 110 34.7 17.4 52.2
 77 30.4 24.7 37.1

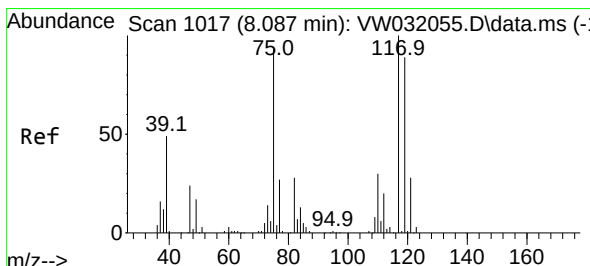
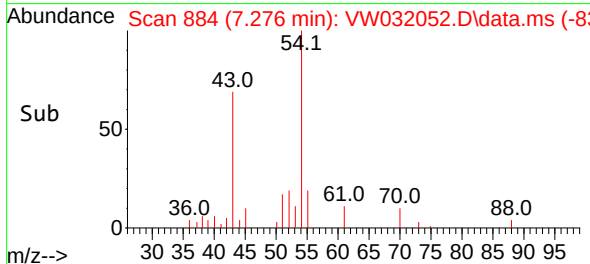
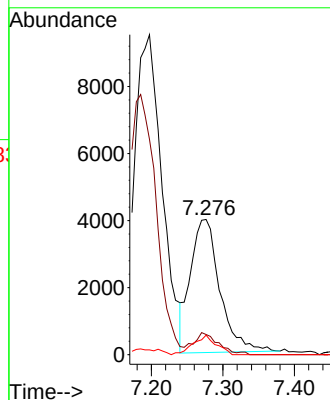
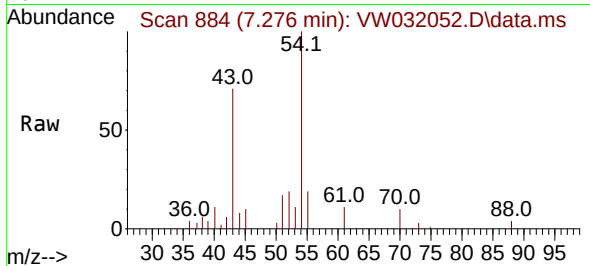




#37
Ethyl Acetate
Concen: 4.990 ug/l
RT: 7.276 min Scan# 81
Delta R.T. -0.000 min
Lab File: VW032052.D
Acq: 11 Aug 2025 08:25

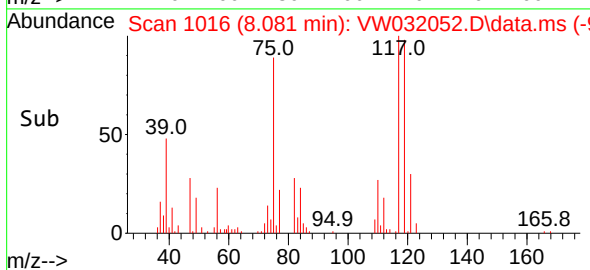
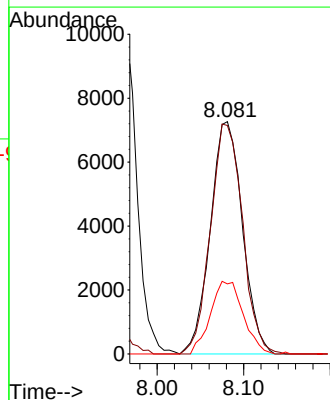
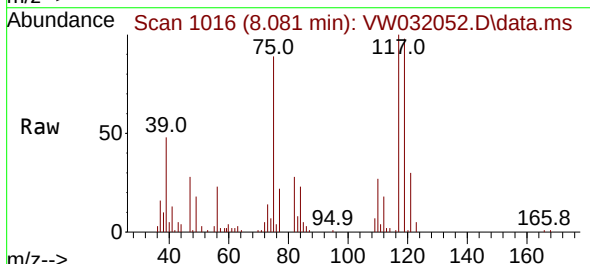
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

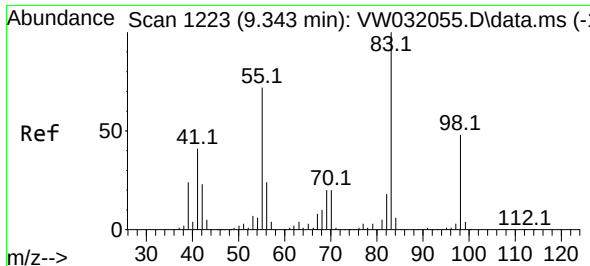
Tgt Ion:	43	Resp:	11365
Ion	Ratio	Lower	Upper
43	100		
61	13.9	11.8	17.6
70	11.4	9.4	14.0



#38
Carbon Tetrachloride
Concen: 5.020 ug/l
RT: 8.081 min Scan# 1016
Delta R.T. -0.006 min
Lab File: VW032052.D
Acq: 11 Aug 2025 08:25

Tgt Ion:	117	Resp:	18734
Ion	Ratio	Lower	Upper
117	100		
119	98.3	71.4	107.2
121	30.2	22.3	33.5





#39

Methylcyclohexane

Concen: 4.728 ug/l

RT: 9.337 min Scan# 11

Delta R.T. -0.006 min

Lab File: VW032052.D

Acq: 11 Aug 2025 08:25

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

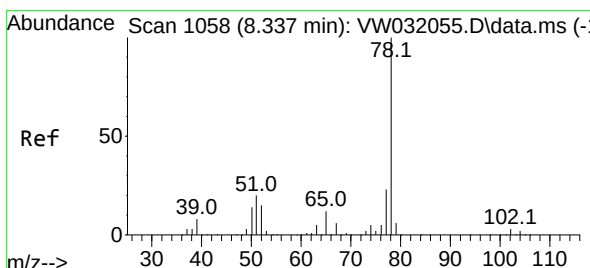
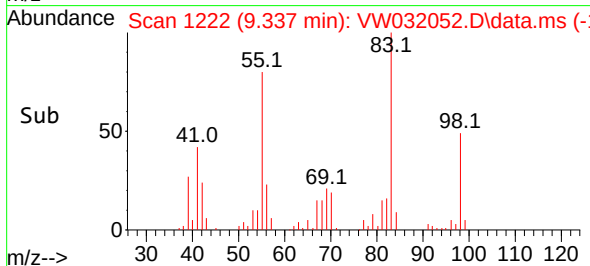
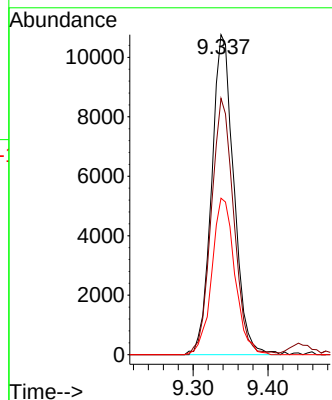
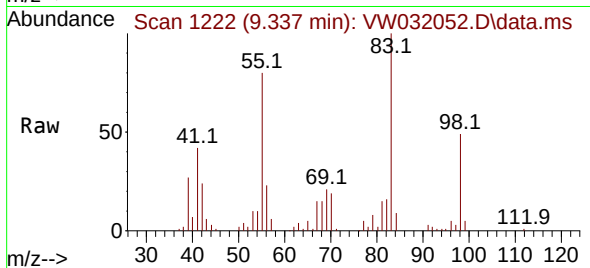
Tgt Ion: 83 Resp: 22284

Ion Ratio Lower Upper

83 100

55 80.1 57.9 86.9

98 48.9 38.3 57.5



#40

Benzene

Concen: 4.941 ug/l

RT: 8.331 min Scan# 1057

Delta R.T. -0.006 min

Lab File: VW032052.D

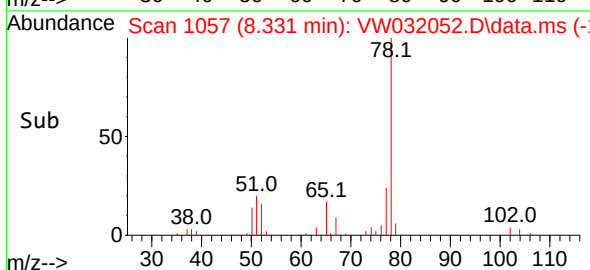
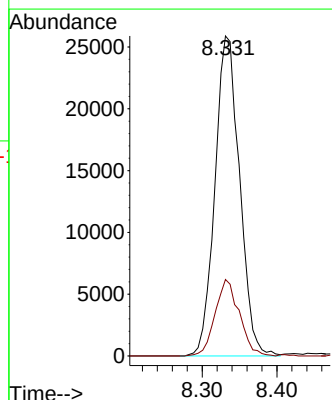
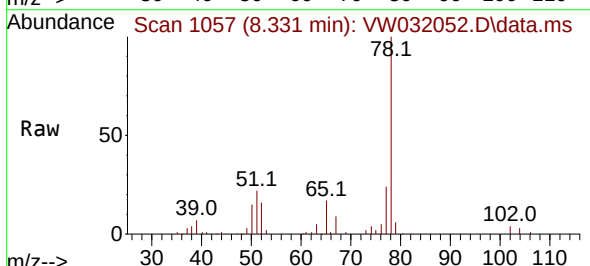
Acq: 11 Aug 2025 08:25

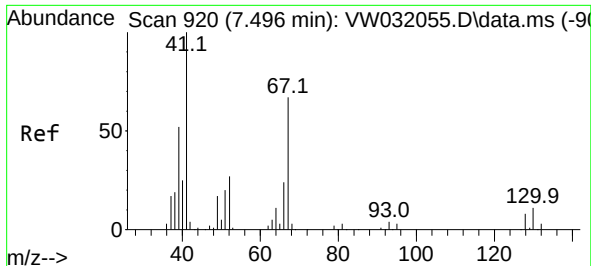
Tgt Ion: 78 Resp: 59395

Ion Ratio Lower Upper

78 100

77 23.9 18.4 27.6

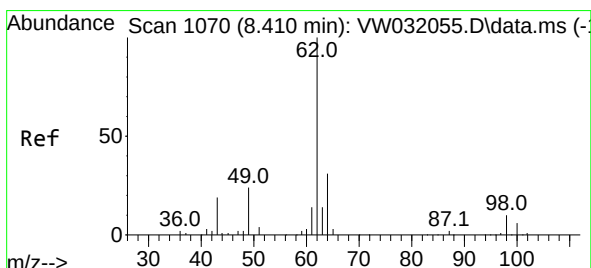
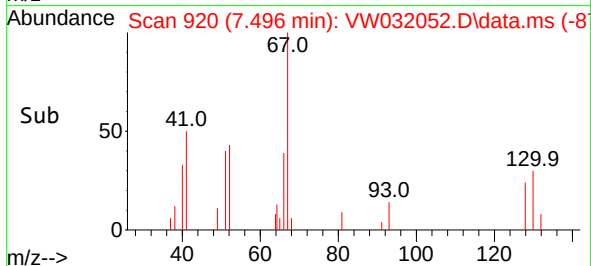
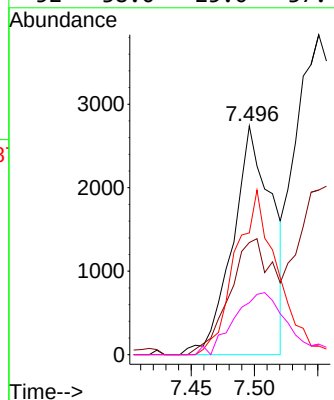
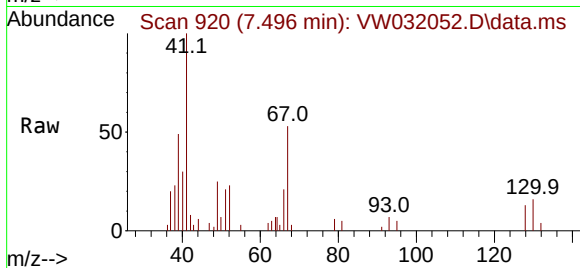




#41
Methacrylonitrile
Concen: 4.576 ug/l
RT: 7.496 min Scan# 91
Delta R.T. -0.000 min
Lab File: VW032052.D
Acq: 11 Aug 2025 08:25

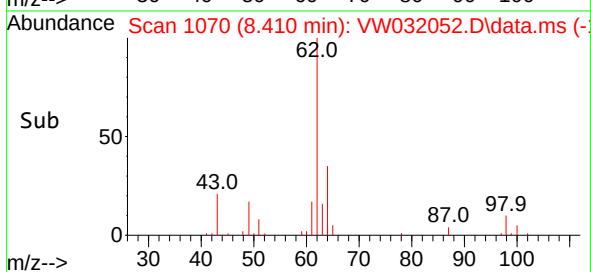
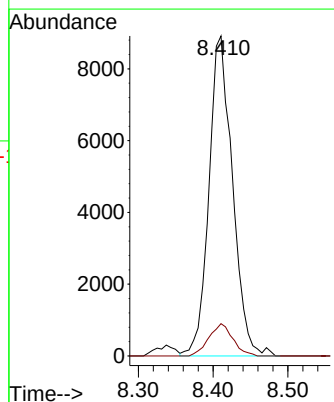
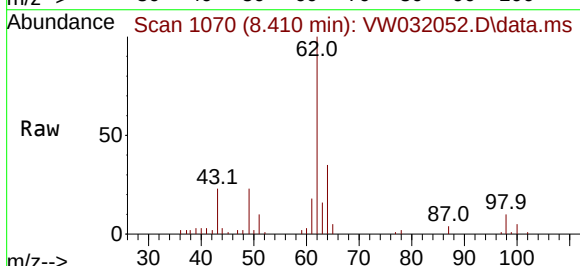
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

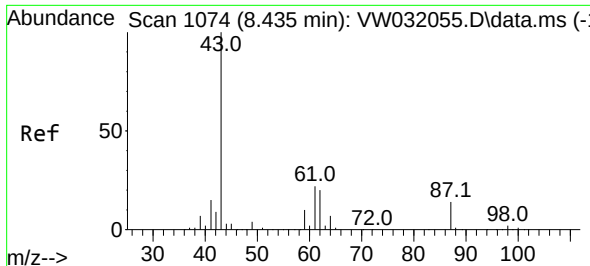
Tgt Ion:	41	Resp:	5910
Ion	Ratio	Lower	Upper
41	100		
39	57.0	42.6	63.8
67	78.0	61.0	91.4
52	38.0	25.0	37.4



#42
1,2-Dichloroethane
Concen: 5.085 ug/l
RT: 8.410 min Scan# 1070
Delta R.T. -0.000 min
Lab File: VW032052.D
Acq: 11 Aug 2025 08:25

Tgt Ion:	62	Resp:	19560
Ion	Ratio	Lower	Upper
62	100		
98	10.2	0.0	19.8

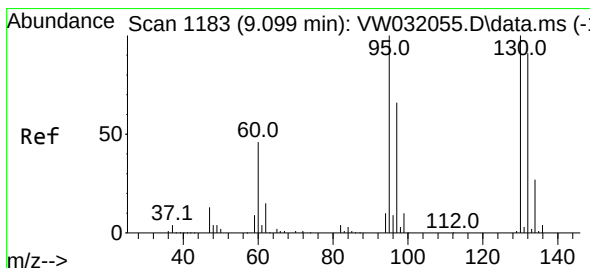
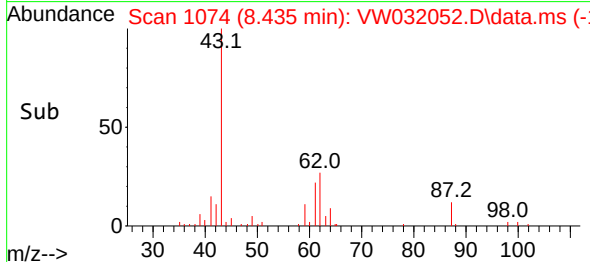
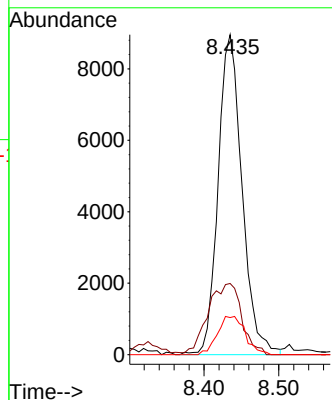
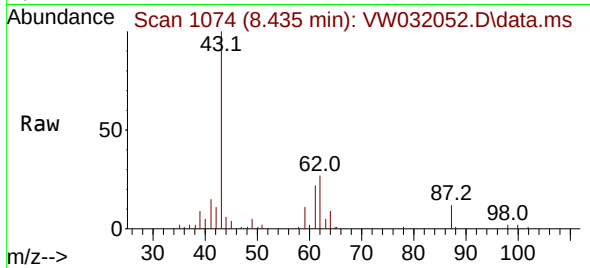




#43
Isopropyl Acetate
Concen: 4.756 ug/l
RT: 8.435 min Scan# 1182
Delta R.T. -0.000 min
Lab File: VW032052.D
Acq: 11 Aug 2025 08:25

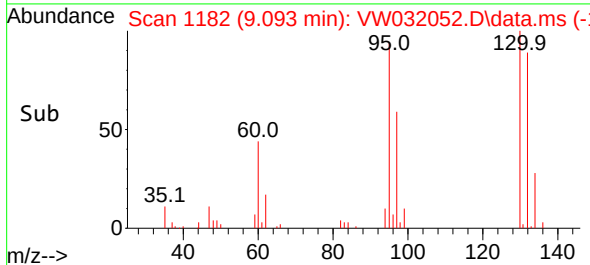
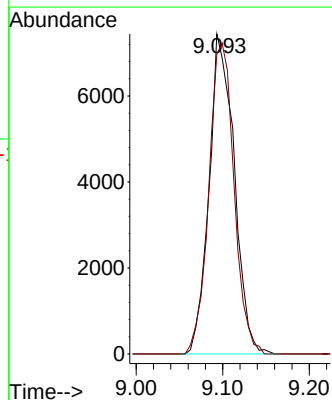
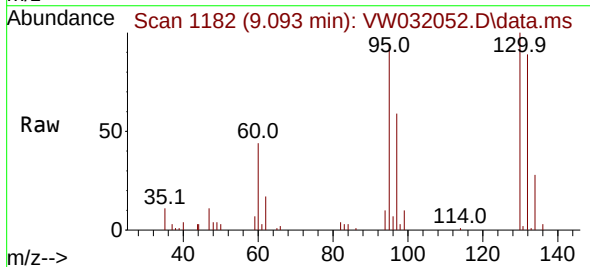
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

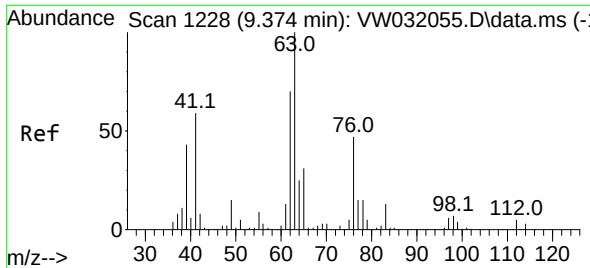
Tgt Ion: 43	Resp: 19928
Ion Ratio	Lower Upper
43 100	
61 31.3	23.8 35.8
87 13.9	11.7 17.5



#44
Trichloroethene
Concen: 5.240 ug/l
RT: 9.093 min Scan# 1182
Delta R.T. -0.006 min
Lab File: VW032052.D
Acq: 11 Aug 2025 08:25

Tgt	Ion:130	Resp:	14999
Ion	Ratio	Lower	Upper
130	100		
95	93.7	0.0	200.6

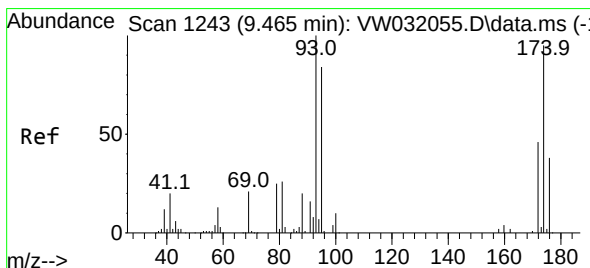
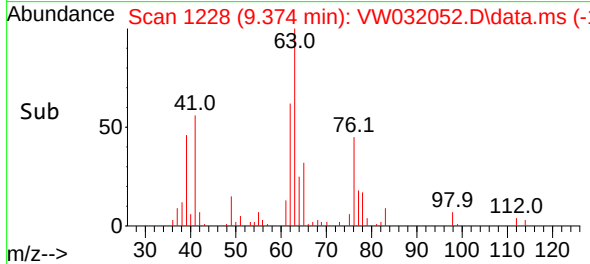
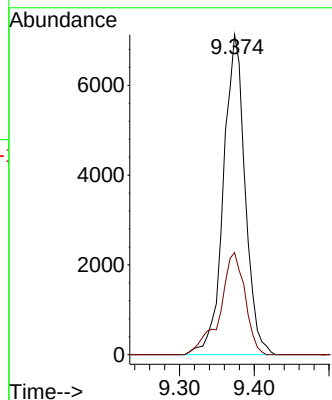
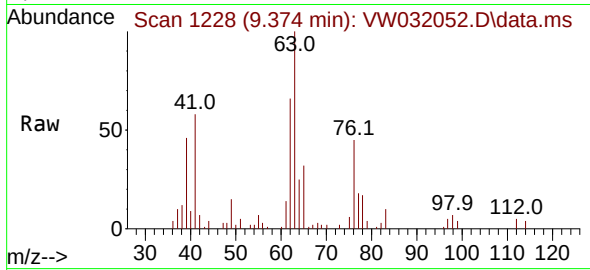




#45
1,2-Dichloropropane
Concen: 4.954 ug/l
RT: 9.374 min Scan# 1228
Delta R.T. -0.000 min
Lab File: VW032052.D
Acq: 11 Aug 2025 08:25

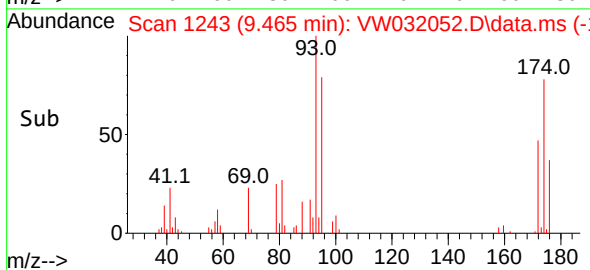
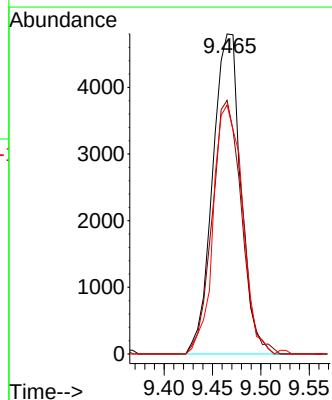
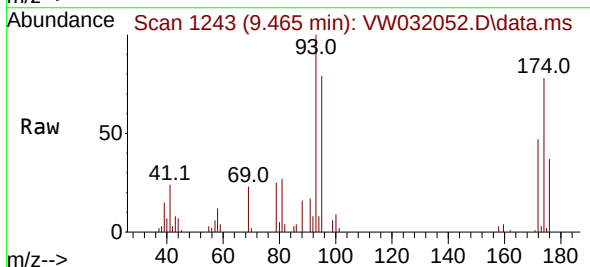
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

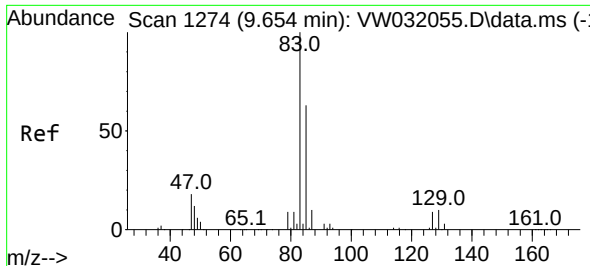
Tgt Ion: 63 Resp: 14387
Ion Ratio Lower Upper
63 100
65 31.9 24.6 36.8



#46
Dibromomethane
Concen: 5.204 ug/l
RT: 9.465 min Scan# 1243
Delta R.T. -0.000 min
Lab File: VW032052.D
Acq: 11 Aug 2025 08:25

Tgt Ion: 93 Resp: 9753
Ion Ratio Lower Upper
93 100
95 82.0 65.3 97.9
174 80.1 68.6 102.8

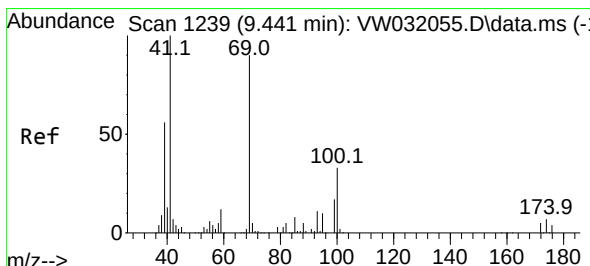
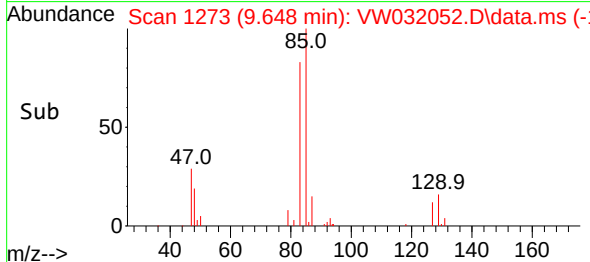
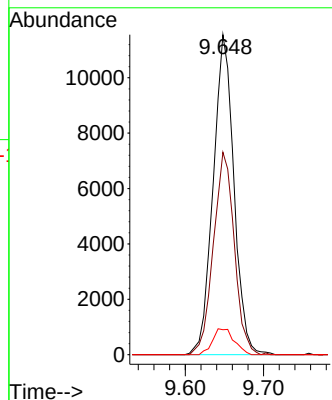
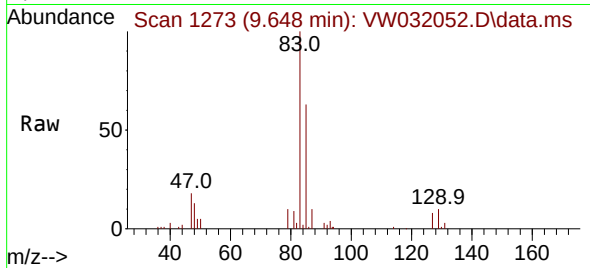




#47
Bromodichloromethane
Concen: 4.927 ug/l
RT: 9.648 min Scan# 11
Delta R.T. -0.006 min
Lab File: VW032052.D
Acq: 11 Aug 2025 08:25

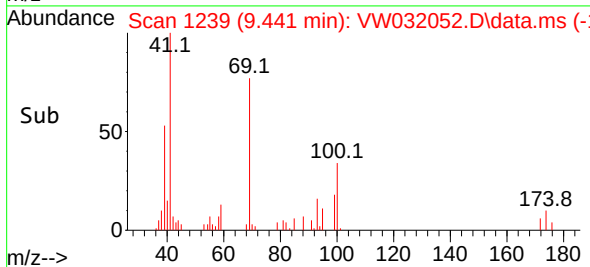
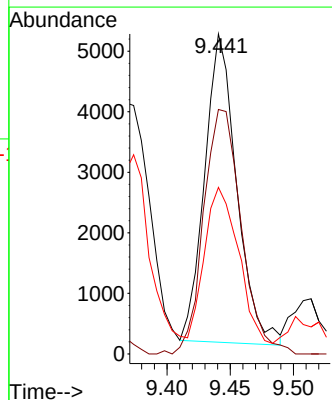
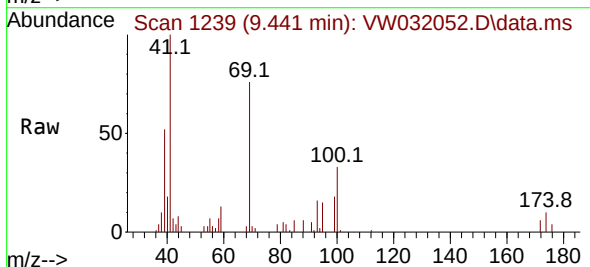
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

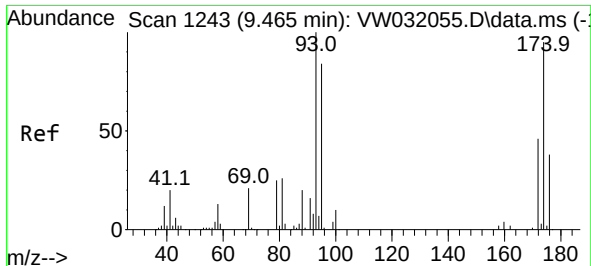
Tgt Ion:	83	Resp:	21279
Ion	Ratio	Lower	Upper
83	100		
85	63.3	50.6	75.8
127	7.8	6.9	10.3



#48
Methyl methacrylate
Concen: 4.424 ug/l
RT: 9.441 min Scan# 1239
Delta R.T. -0.000 min
Lab File: VW032052.D
Acq: 11 Aug 2025 08:25

Tgt Ion:	41	Resp:	8949
Ion	Ratio	Lower	Upper
41	100		
69	93.4	73.0	109.6
39	53.4	45.0	67.4





#49

1,4-Dioxane

Concen: 93.217 ug/l

RT: 9.465 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW032052.D

Acq: 11 Aug 2025 08:25

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

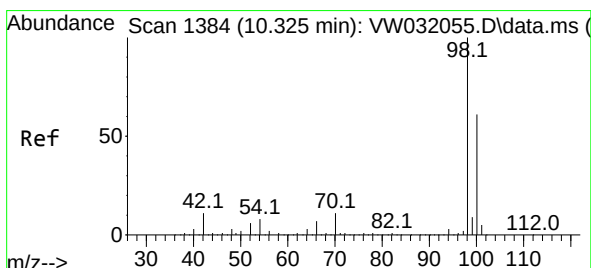
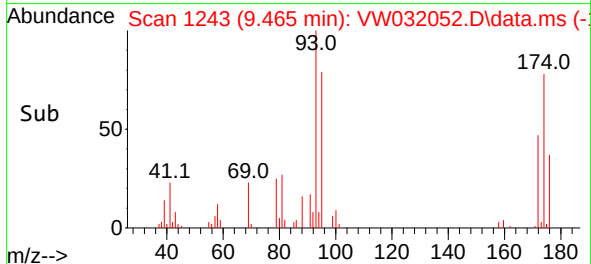
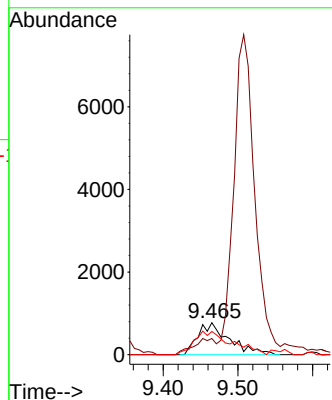
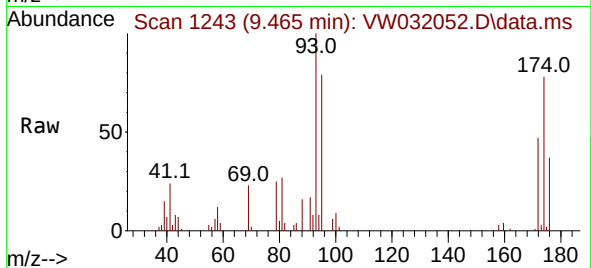
Tgt Ion: 88 Resp: 2259

Ion Ratio Lower Upper

88 100

43 35.9 20.6 30.8#

58 87.2 60.4 90.6



#50

Toluene-d8

Concen: 4.916 ug/l

RT: 10.331 min Scan# 1385

Delta R.T. 0.006 min

Lab File: VW032052.D

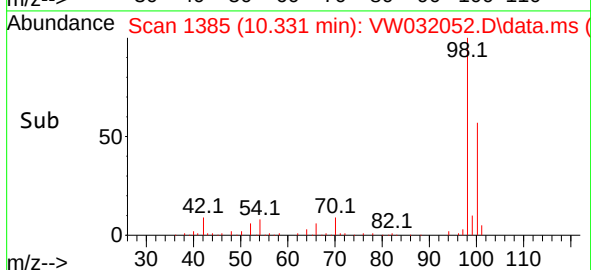
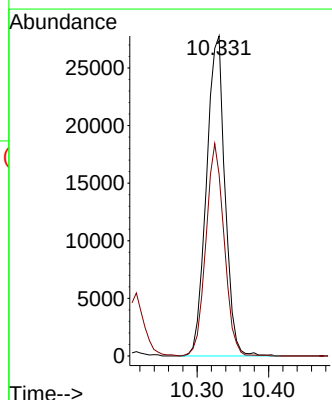
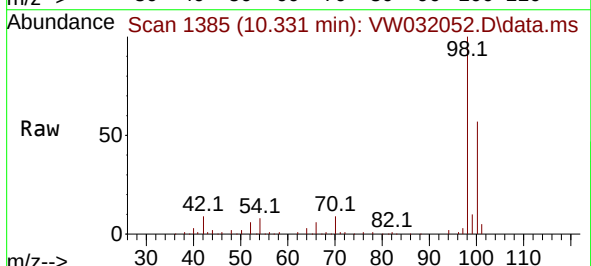
Acq: 11 Aug 2025 08:25

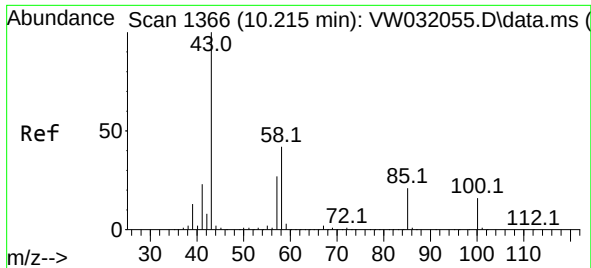
Tgt Ion: 98 Resp: 49876

Ion Ratio Lower Upper

98 100

100 65.4 51.1 76.7

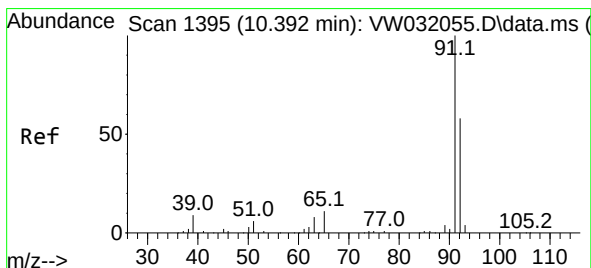
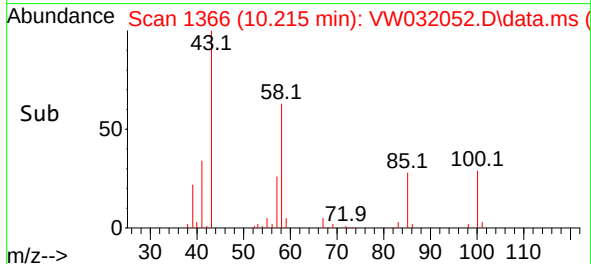
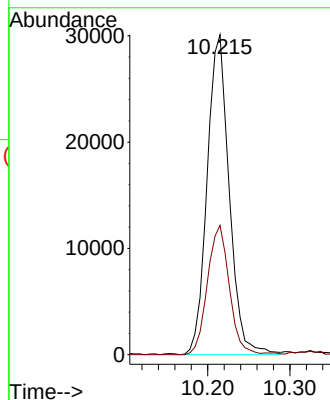
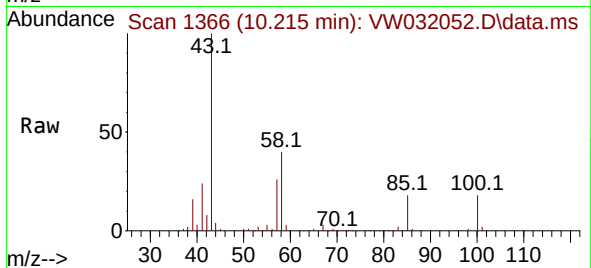




#51
4-Methyl-2-Pentanone
Concen: 23.755 ug/l
RT: 10.215 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW032052.D
Acq: 11 Aug 2025 08:25

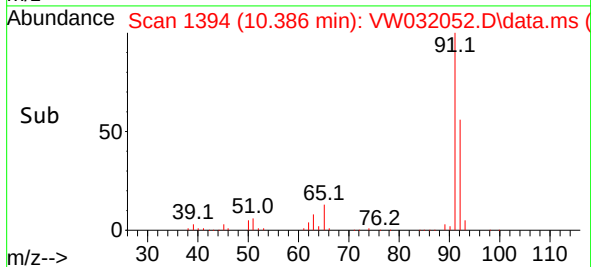
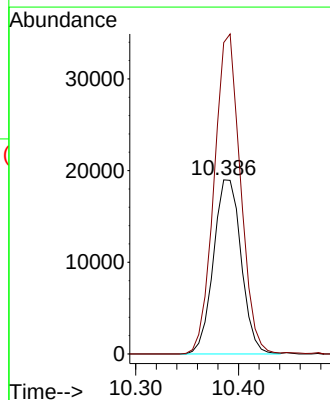
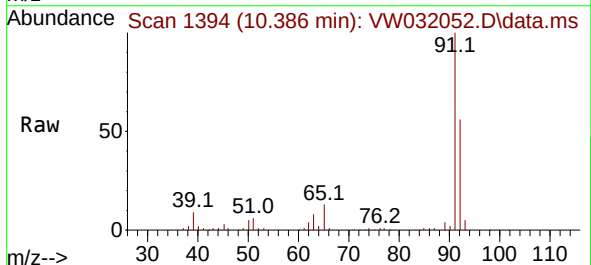
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

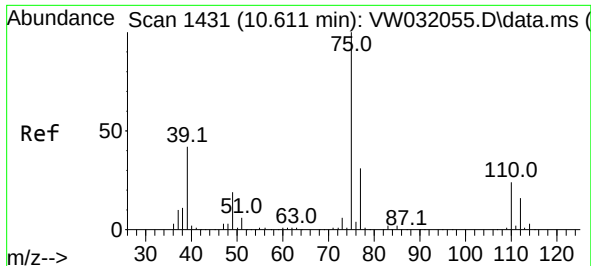
Tgt Ion: 43 Resp: 56184
Ion Ratio Lower Upper
43 100
58 40.2 33.1 49.7



#52
Toluene
Concen: 4.692 ug/l
RT: 10.386 min Scan# 1394
Delta R.T. -0.006 min
Lab File: VW032052.D
Acq: 11 Aug 2025 08:25

Tgt Ion: 92 Resp: 35525
Ion Ratio Lower Upper
92 100
91 175.5 136.3 204.5

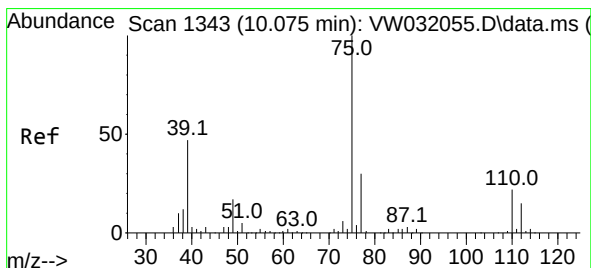
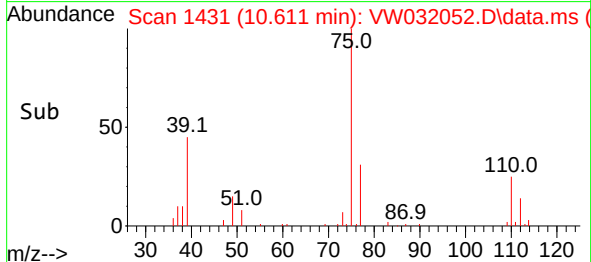
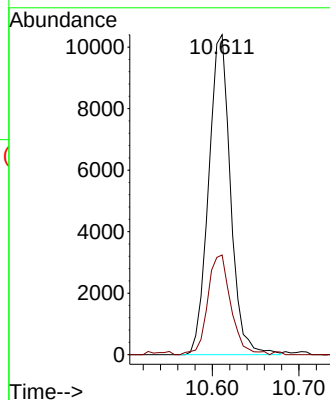
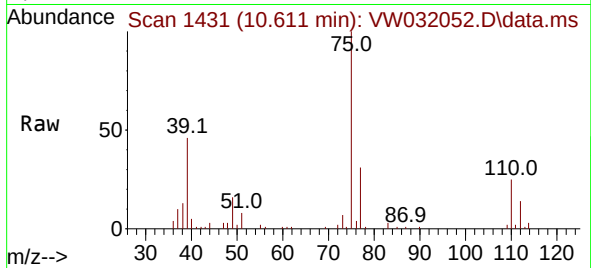




#53
 t-1,3-Dichloropropene
 Concen: 4.513 ug/l
 RT: 10.611 min Scan# 1431
 Delta R.T. -0.000 min
 Lab File: VW032052.D
 Acq: 11 Aug 2025 08:25

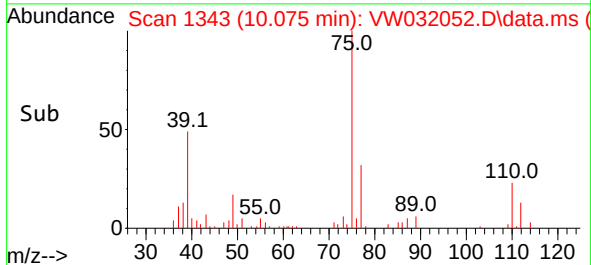
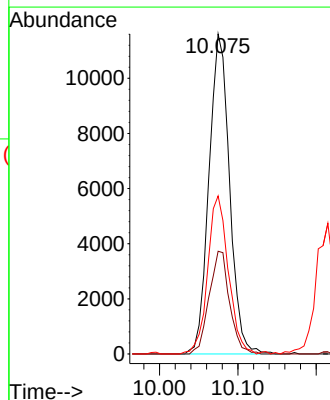
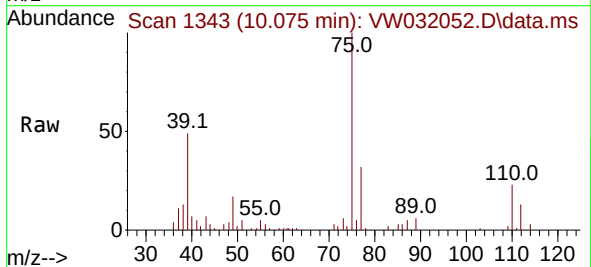
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

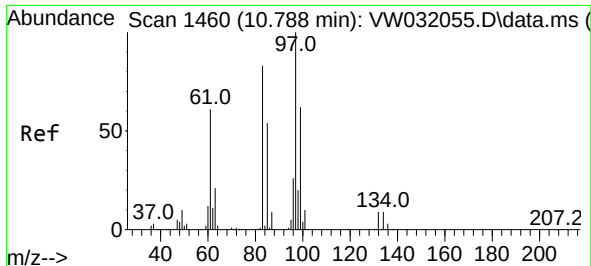
Tgt Ion: 75 Resp: 18259
 Ion Ratio Lower Upper
 75 100
 77 31.2 25.0 37.6



#54
 cis-1,3-Dichloropropene
 Concen: 4.612 ug/l
 RT: 10.075 min Scan# 1343
 Delta R.T. -0.000 min
 Lab File: VW032052.D
 Acq: 11 Aug 2025 08:25

Tgt Ion: 75 Resp: 21173
 Ion Ratio Lower Upper
 75 100
 77 32.1 24.0 36.0
 39 49.4 37.8 56.8

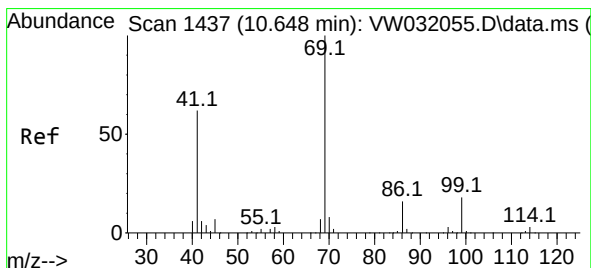
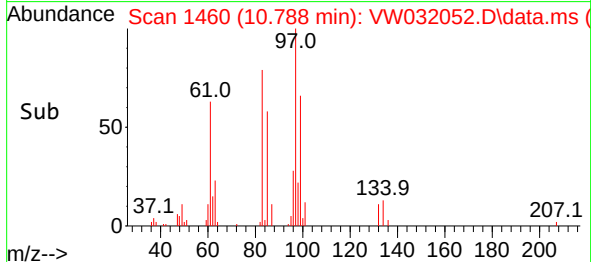
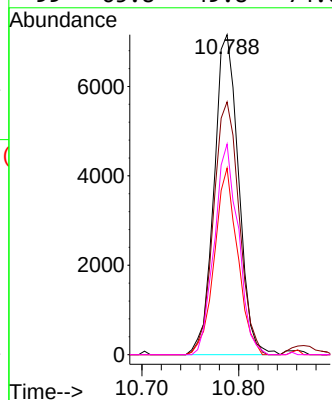
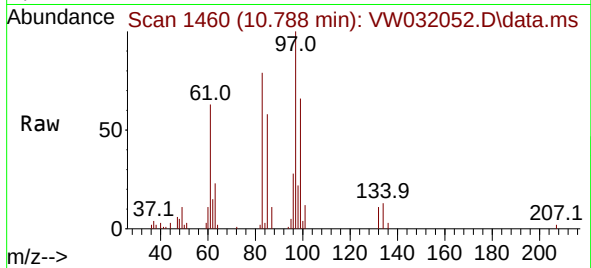




#55
1,1,2-Trichloroethane
Concen: 5.057 ug/l
RT: 10.788 min Scan# 1460
Delta R.T. -0.000 min
Lab File: VW032052.D
Acq: 11 Aug 2025 08:25

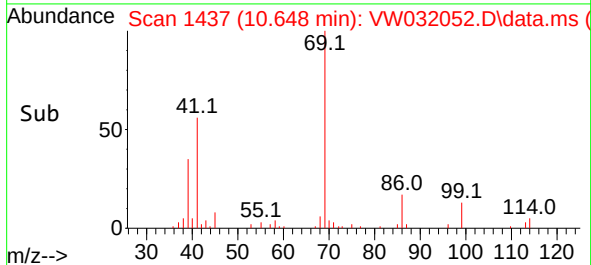
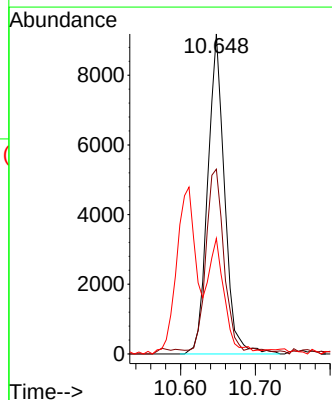
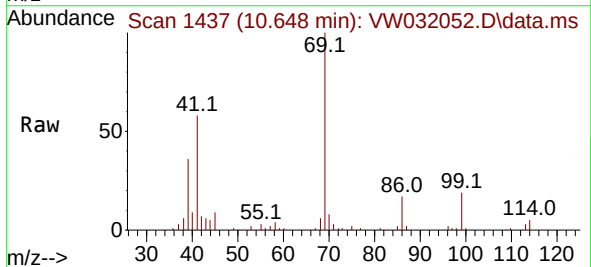
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

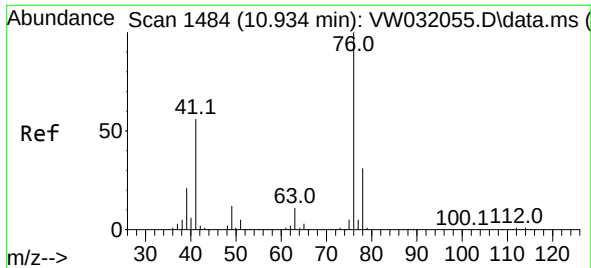
Tgt Ion:	97	Resp:	12594
Ion	Ratio	Lower	Upper
97	100		
83	79.0	66.4	99.6
85	58.3	43.1	64.7
99	65.8	49.8	74.6



#56
Ethyl methacrylate
Concen: 4.317 ug/l
RT: 10.648 min Scan# 1437
Delta R.T. -0.000 min
Lab File: VW032052.D
Acq: 11 Aug 2025 08:25

Tgt Ion:	69	Resp:	14387
Ion	Ratio	Lower	Upper
69	100		
41	59.2	51.2	76.8
39	32.8	25.4	38.0





#57

1,3-Dichloropropane

Concen: 4.988 ug/l

RT: 10.934 min Scan# 1484

Delta R.T. -0.000 min

Lab File: VW032052.D

Acq: 11 Aug 2025 08:25

Instrument :

MSVOA_W

ClientSampleId :

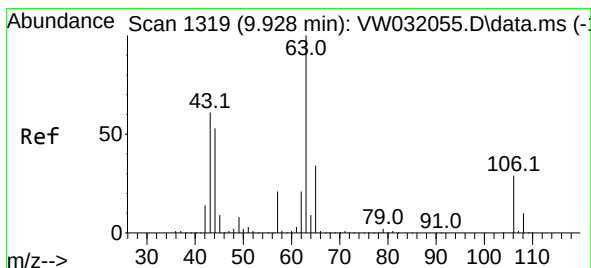
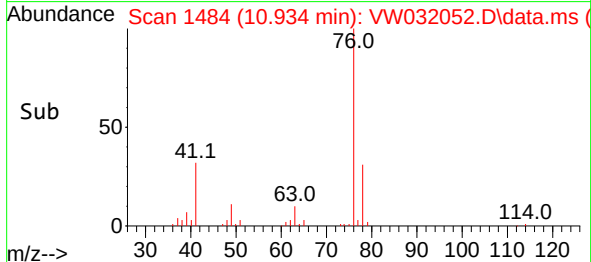
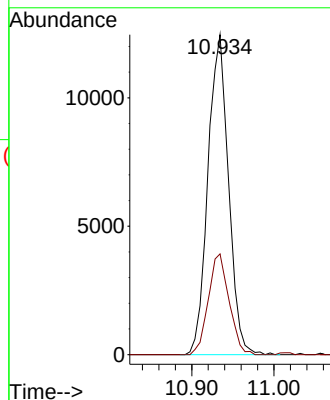
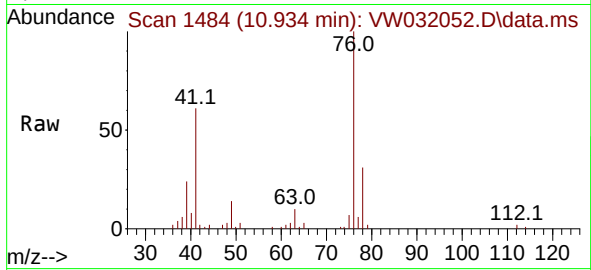
VSTDIC005

Tgt Ion: 76 Resp: 21654

Ion Ratio Lower Upper

76 100

78 31.8 25.8 38.6



#58

2-Chloroethyl Vinyl ether

Concen: 22.777 ug/l

RT: 9.928 min Scan# 1319

Delta R.T. -0.000 min

Lab File: VW032052.D

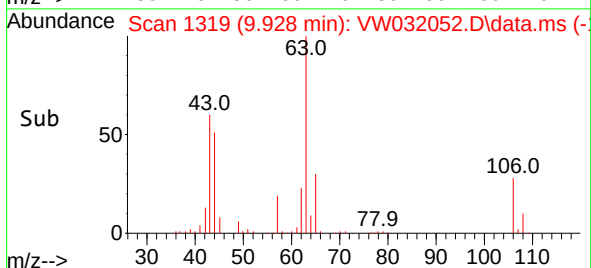
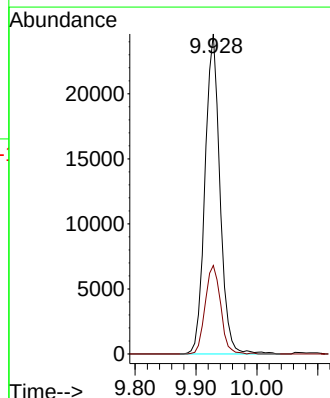
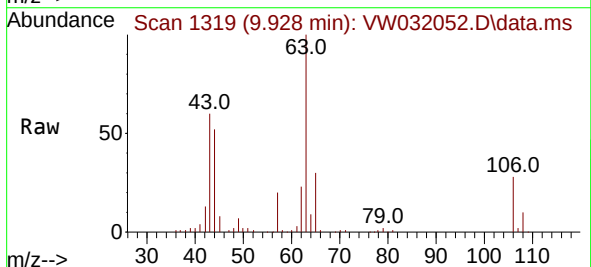
Acq: 11 Aug 2025 08:25

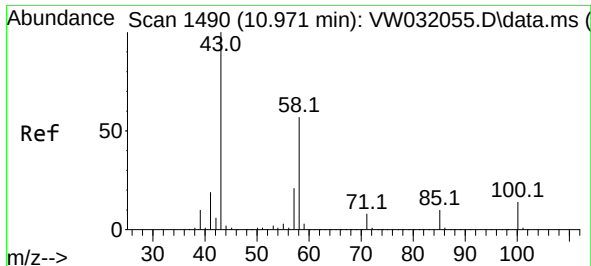
Tgt Ion: 63 Resp: 41991

Ion Ratio Lower Upper

63 100

106 28.4 23.5 35.3

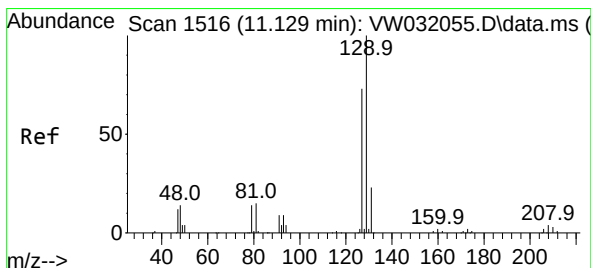
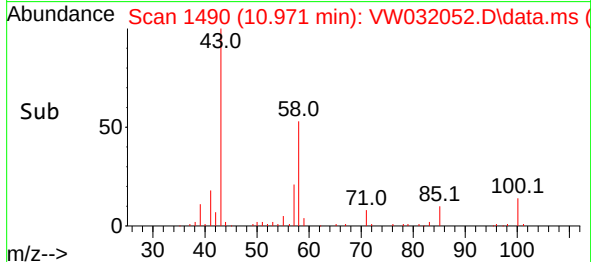
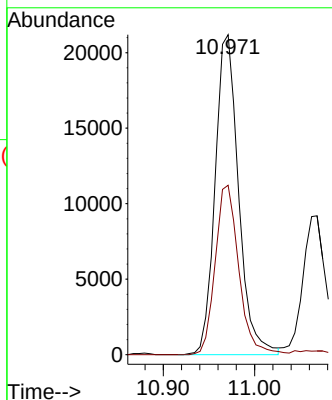
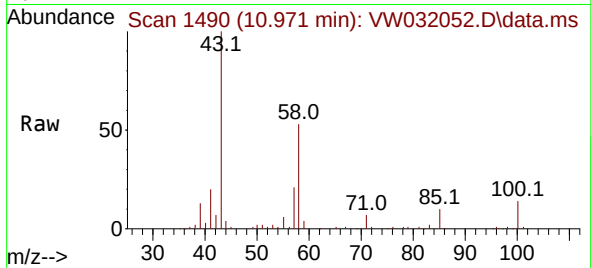




#59
2-Hexanone
Concen: 23.074 ug/l
RT: 10.971 min Scan# 1490
Delta R.T. -0.000 min
Lab File: VW032052.D
Acq: 11 Aug 2025 08:25

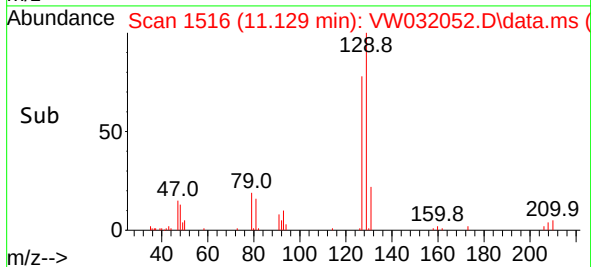
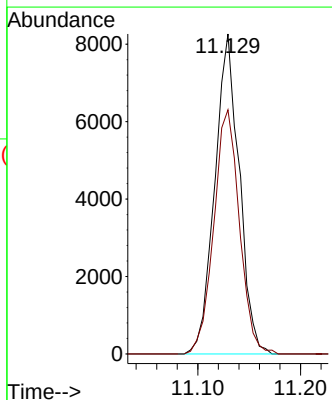
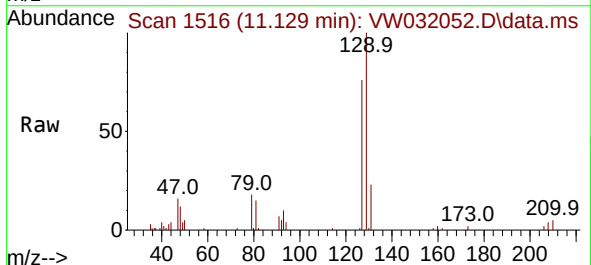
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

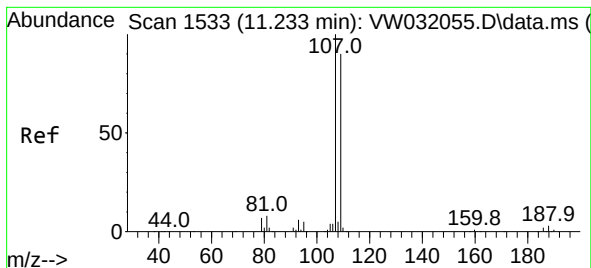
Tgt Ion: 43 Resp: 37796
Ion Ratio Lower Upper
43 100
58 53.3 28.3 85.0



#60
Dibromochloromethane
Concen: 4.799 ug/l
RT: 11.129 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VW032052.D
Acq: 11 Aug 2025 08:25

Tgt Ion: 129 Resp: 13654
Ion Ratio Lower Upper
129 100
127 79.8 39.0 116.9

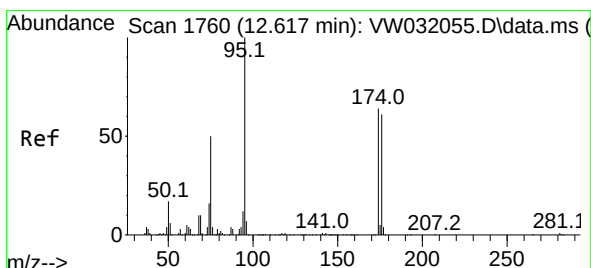
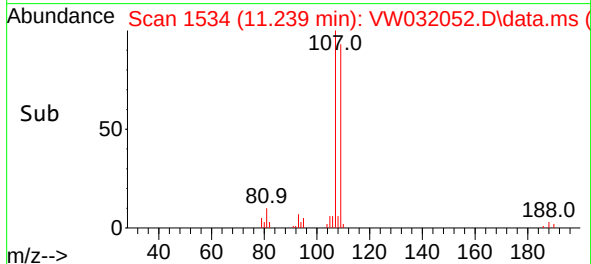
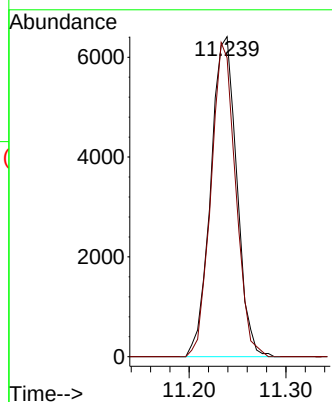
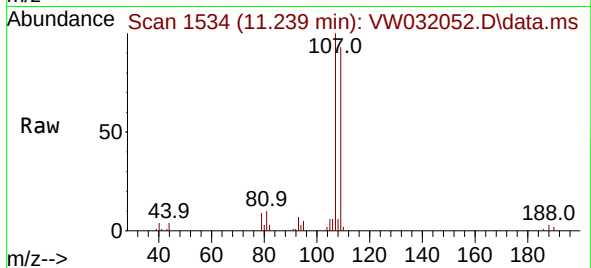




#61
1,2-Dibromoethane
Concen: 4.955 ug/l
RT: 11.239 min Scan# 1533
Delta R.T. 0.006 min
Lab File: VW032052.D
Acq: 11 Aug 2025 08:25

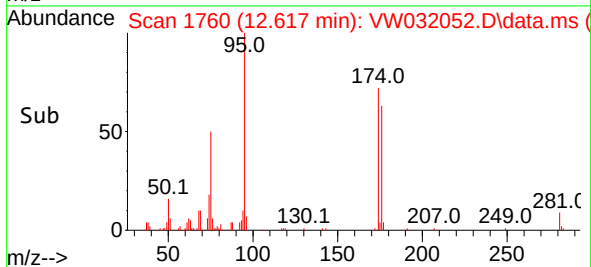
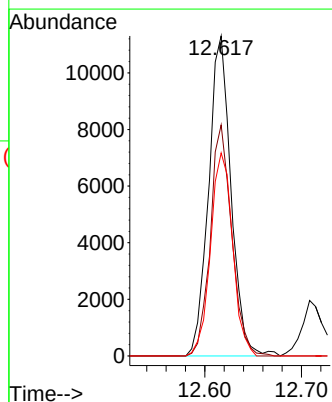
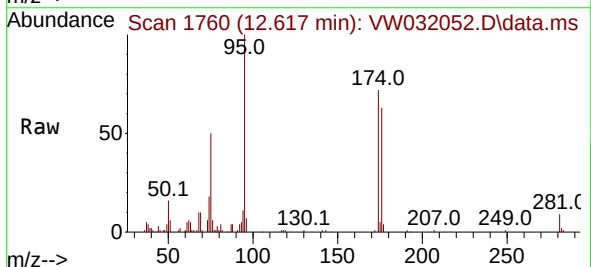
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

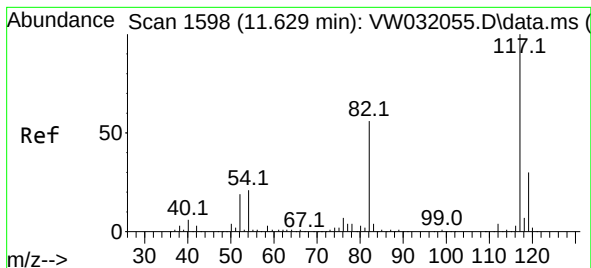
Tgt Ion:107 Resp: 11992
Ion Ratio Lower Upper
107 100
109 92.8 74.2 111.4



#62
4-Bromofluorobenzene
Concen: 4.863 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032052.D
Acq: 11 Aug 2025 08:25

Tgt Ion: 95 Resp: 18184
Ion Ratio Lower Upper
95 100
174 69.1 0.0 129.0
176 62.7 0.0 124.6

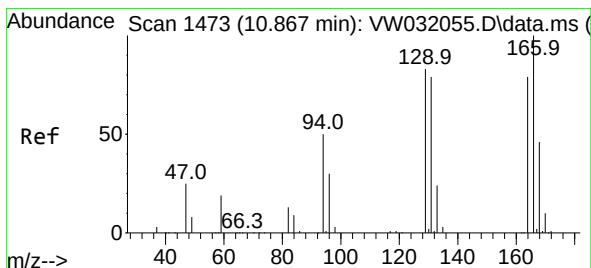
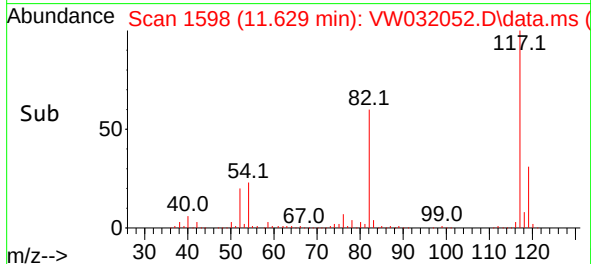
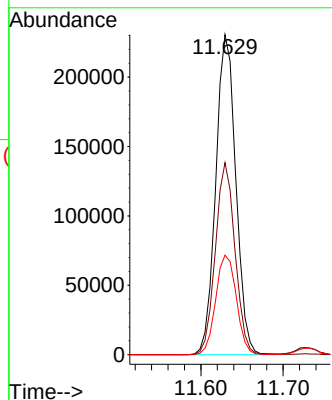
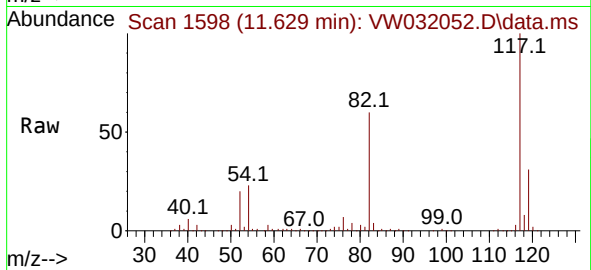




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW032052.D
Acq: 11 Aug 2025 08:25

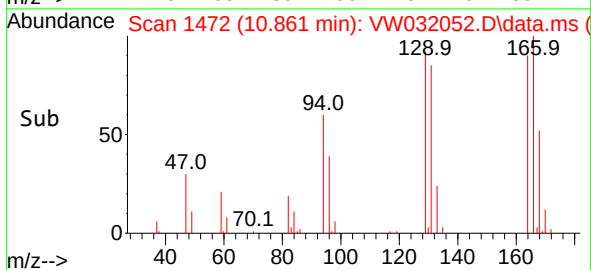
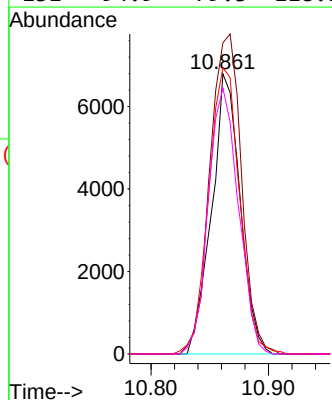
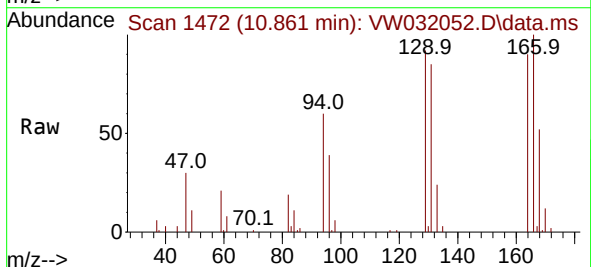
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

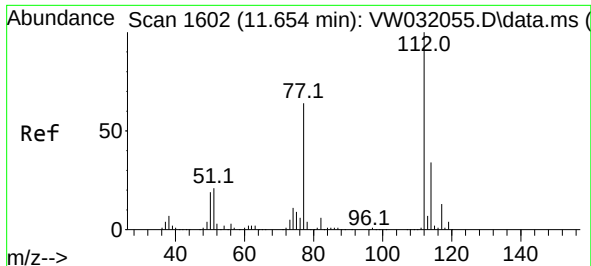
Tgt Ion:117 Resp: 391234
Ion Ratio Lower Upper
117 100
82 60.0 45.0 67.4
119 31.1 24.2 36.4



#64
Tetrachloroethene
Concen: 5.066 ug/l
RT: 10.861 min Scan# 1472
Delta R.T. -0.006 min
Lab File: VW032052.D
Acq: 11 Aug 2025 08:25

Tgt Ion:164 Resp: 11449
Ion Ratio Lower Upper
164 100
166 111.1 100.9 151.3
129 101.3 83.6 125.4
131 94.9 79.3 118.9

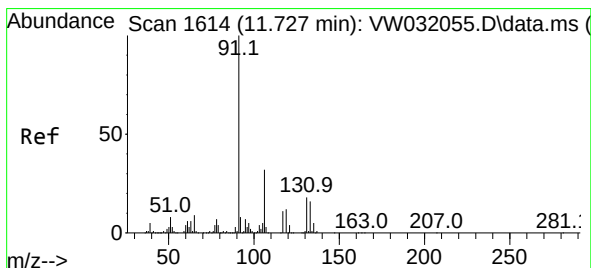
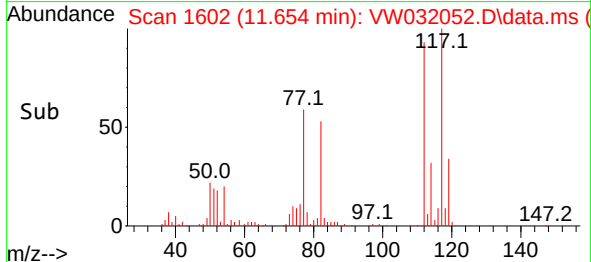
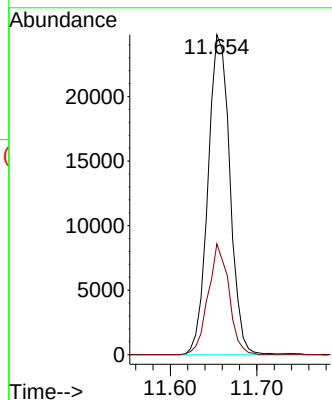
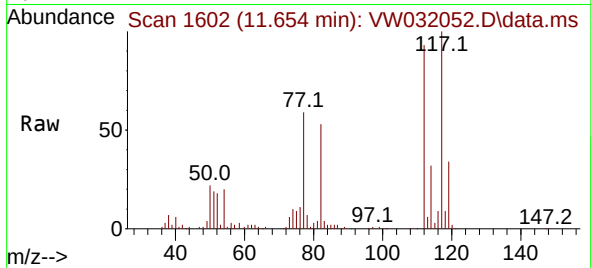




#65
Chlorobenzene
Concen: 5.110 ug/l
RT: 11.654 min Scan# 1161
Delta R.T. -0.000 min
Lab File: VW032052.D
Acq: 11 Aug 2025 08:25

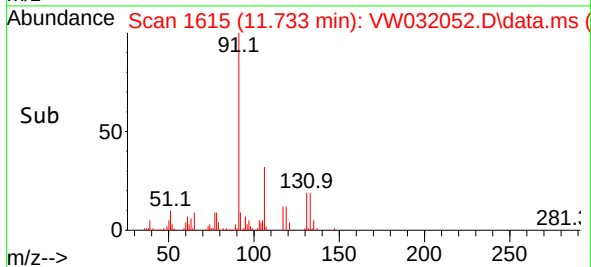
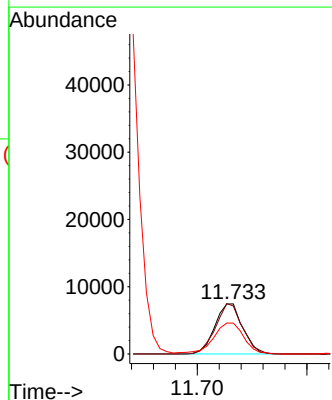
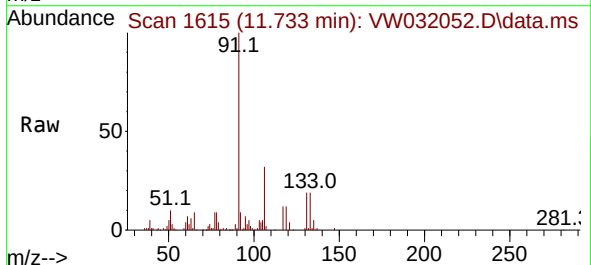
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

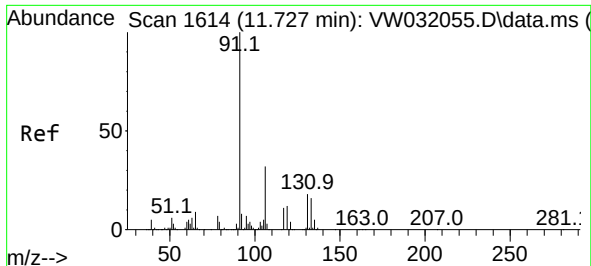
Tgt Ion:112 Resp: 43515
Ion Ratio Lower Upper
112 100
114 34.6 26.9 40.3



#66
1,1,1,2-Tetrachloroethane
Concen: 4.907 ug/l
RT: 11.733 min Scan# 1615
Delta R.T. 0.006 min
Lab File: VW032052.D
Acq: 11 Aug 2025 08:25

Tgt Ion:131 Resp: 13037
Ion Ratio Lower Upper
131 100
133 97.4 47.3 142.0
119 67.3 34.5 103.5





#67

Ethyl Benzene

Concen: 4.650 ug/l

RT: 11.727 min Scan# 1614

Delta R.T. -0.000 min

Lab File: VW032052.D

Acq: 11 Aug 2025 08:25

Instrument :

MSVOA_W

ClientSampleId :

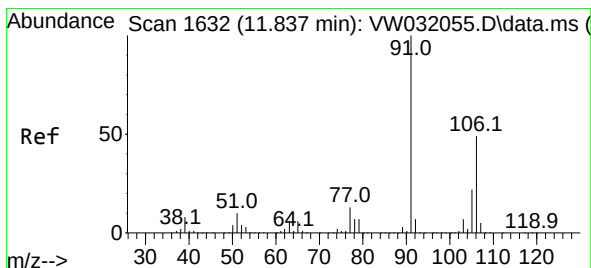
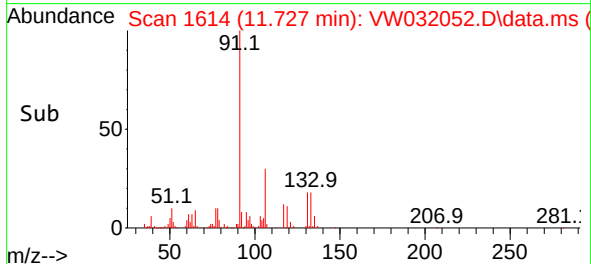
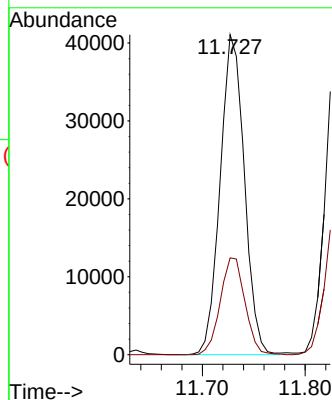
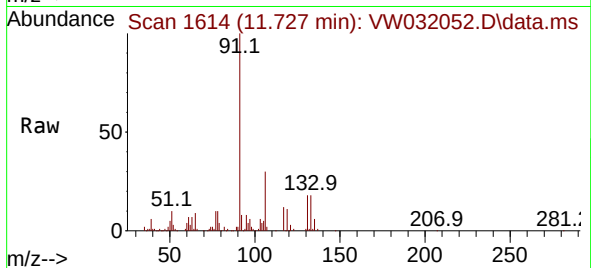
VSTDIC005

Tgt Ion: 91 Resp: 67071

Ion Ratio Lower Upper

91 100

106 30.2 25.4 38.0



#68

m/p-Xylenes

Concen: 9.070 ug/l

RT: 11.837 min Scan# 1632

Delta R.T. -0.000 min

Lab File: VW032052.D

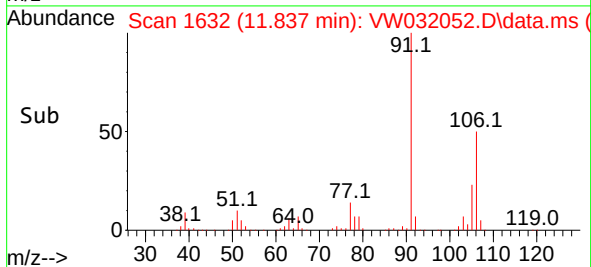
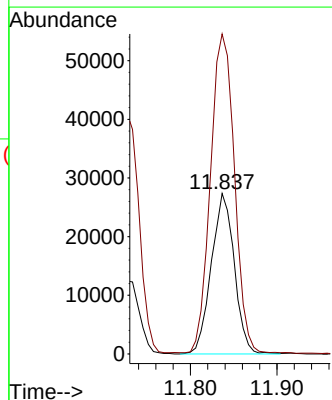
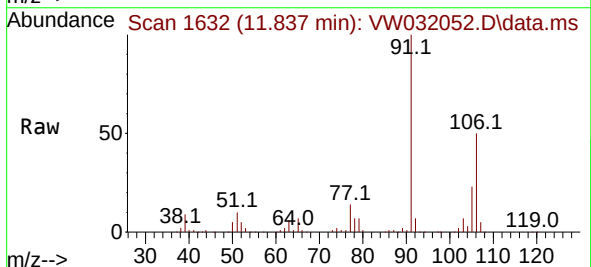
Acq: 11 Aug 2025 08:25

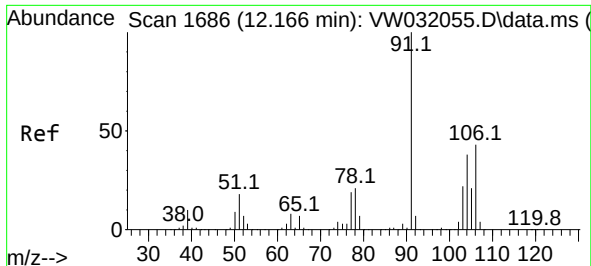
Tgt Ion: 106 Resp: 50482

Ion Ratio Lower Upper

106 100

91 209.1 162.2 243.2

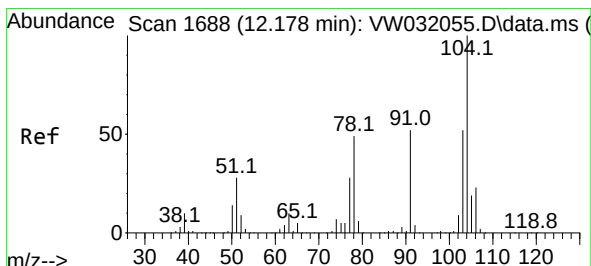
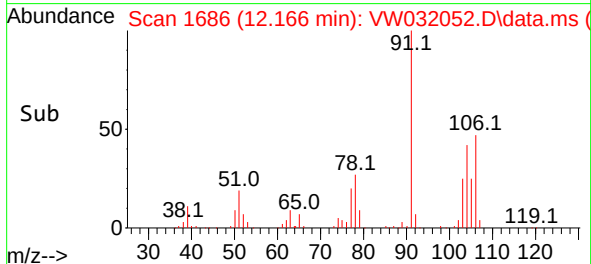
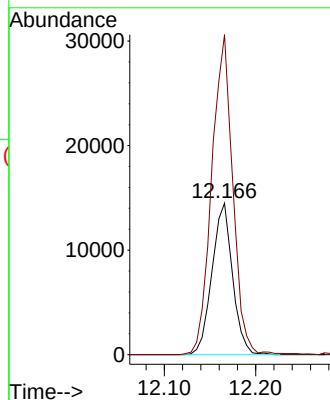
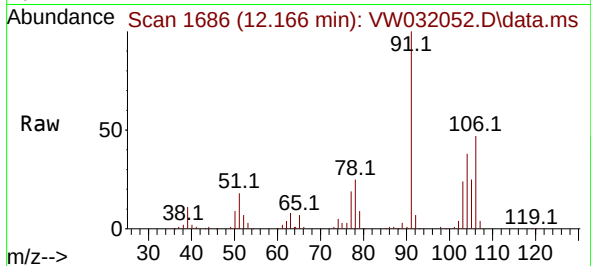




#69
o-Xylene
Concen: 4.393 ug/l
RT: 12.166 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VW032052.D
Acq: 11 Aug 2025 08:25

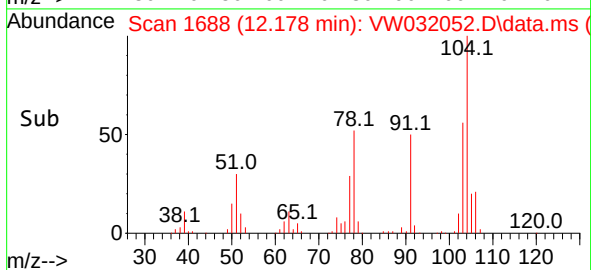
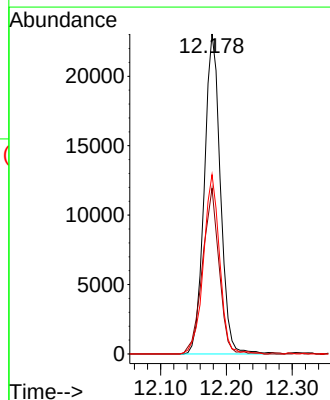
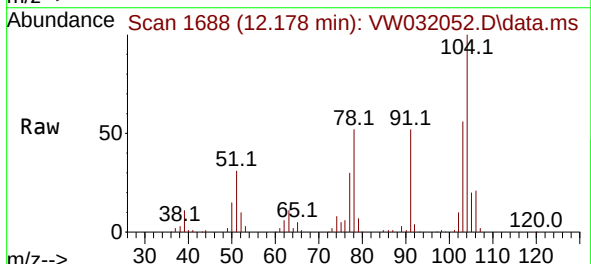
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

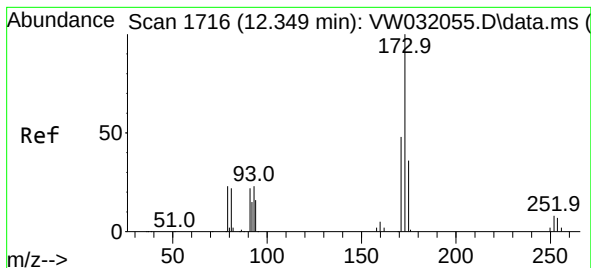
Tgt Ion:106 Resp: 22602
Ion Ratio Lower Upper
106 100
91 217.4 110.8 332.3



#70
Styrene
Concen: 4.300 ug/l
RT: 12.178 min Scan# 1688
Delta R.T. -0.000 min
Lab File: VW032052.D
Acq: 11 Aug 2025 08:25

Tgt Ion:104 Resp: 39288
Ion Ratio Lower Upper
104 100
78 53.3 41.2 61.8
103 56.1 43.8 65.8





#71

Bromoform

Concen: 4.792 ug/l

RT: 12.349 min Scan# 1716

Delta R.T. -0.000 min

Lab File: VW032052.D

Acq: 11 Aug 2025 08:25

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

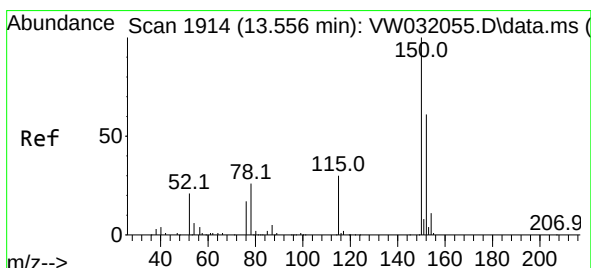
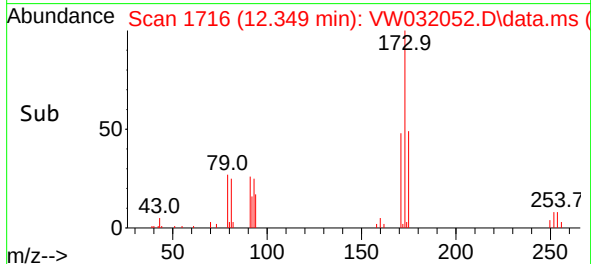
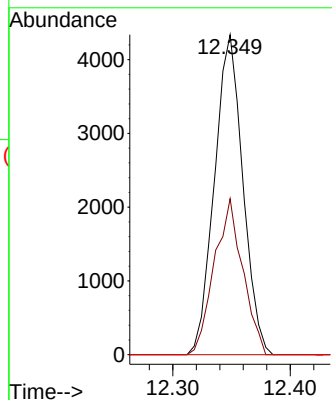
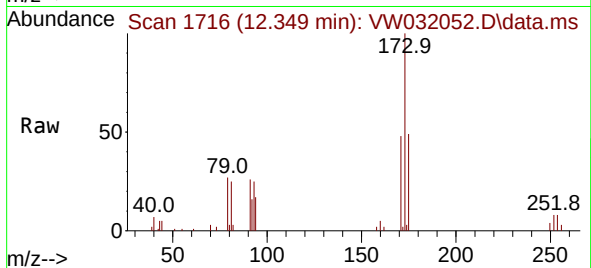
Tgt Ion:173 Resp: 7283

Ion Ratio Lower Upper

173 100

175 48.9 22.9 68.7

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.556 min Scan# 1914

Delta R.T. -0.000 min

Lab File: VW032052.D

Acq: 11 Aug 2025 08:25

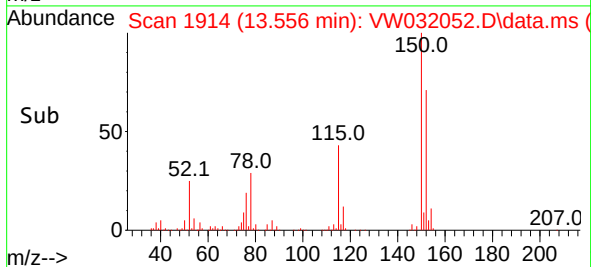
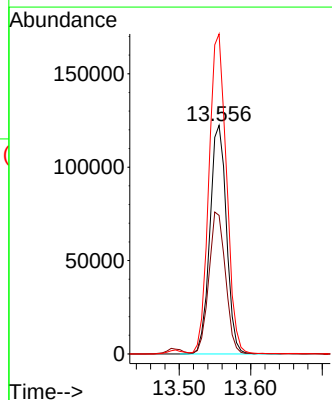
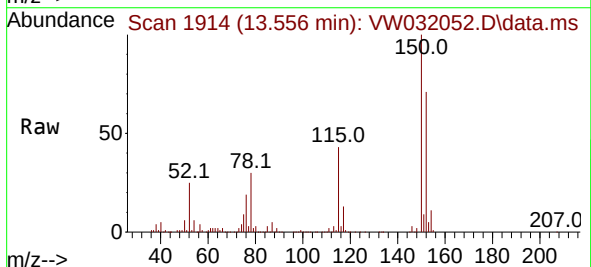
Tgt Ion:152 Resp: 196943

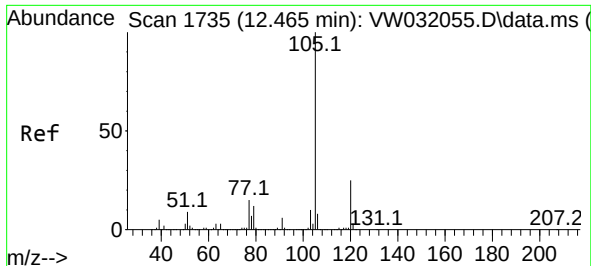
Ion Ratio Lower Upper

152 100

115 62.0 32.6 97.8

150 147.8 0.0 359.4

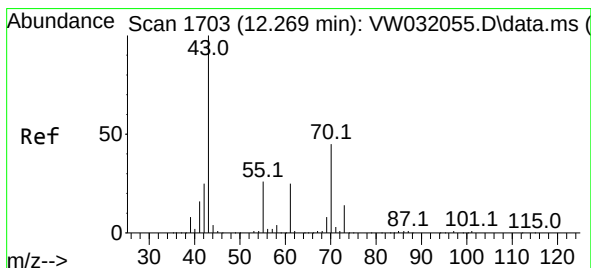
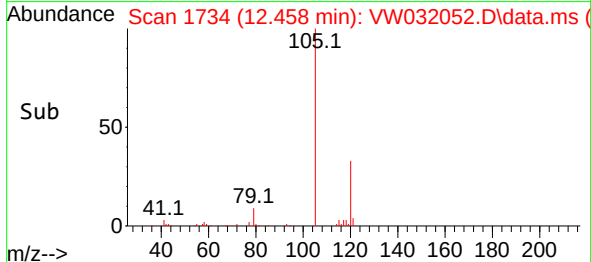
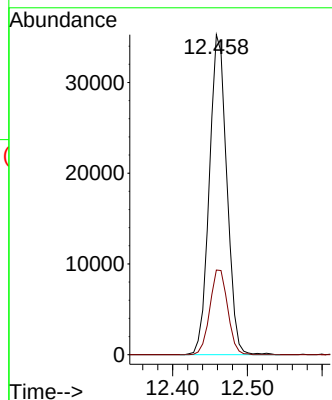
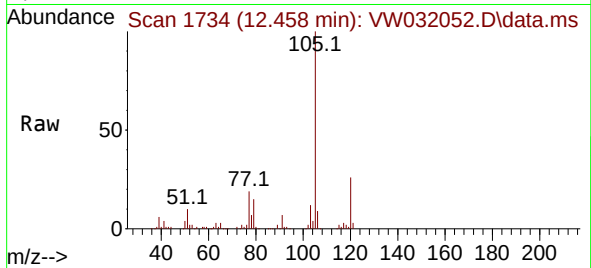




#73
Isopropylbenzene
Concen: 4.164 ug/l
RT: 12.458 min Scan# 1734
Delta R.T. -0.006 min
Lab File: VW032052.D
Acq: 11 Aug 2025 08:25

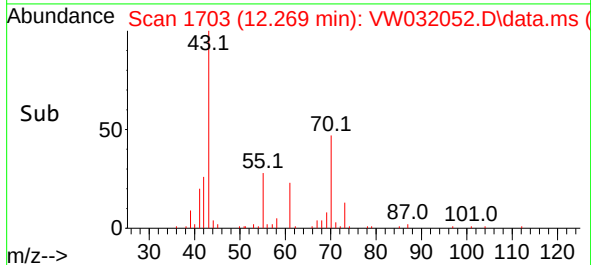
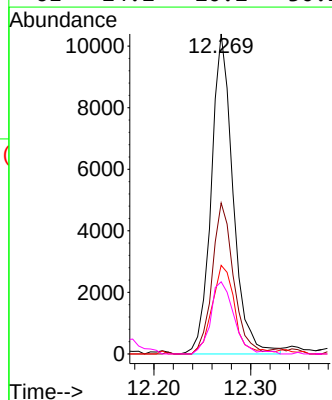
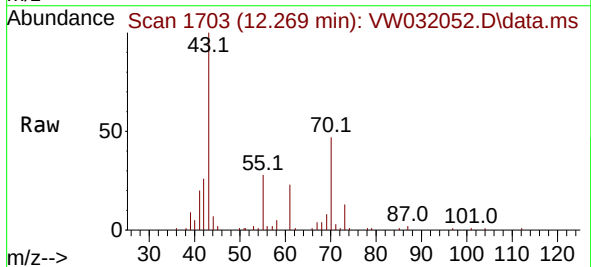
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

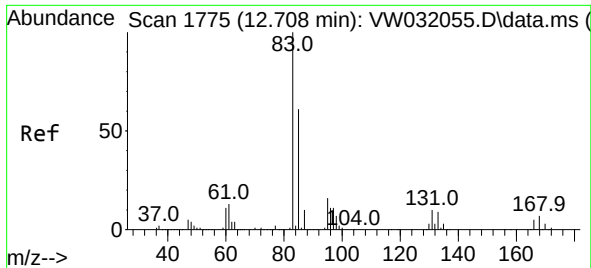
Tgt Ion:105 Resp: 57306
Ion Ratio Lower Upper
105 100
120 26.8 12.8 38.4



#74
N-ethyl acetate
Concen: 4.135 ug/l
RT: 12.269 min Scan# 1703
Delta R.T. -0.000 min
Lab File: VW032052.D
Acq: 11 Aug 2025 08:25

Tgt Ion: 43 Resp: 16327
Ion Ratio Lower Upper
43 100
70 45.9 37.0 55.4
55 28.8 21.1 31.7
61 24.2 20.2 30.2

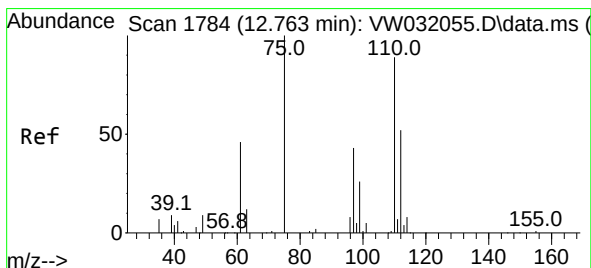
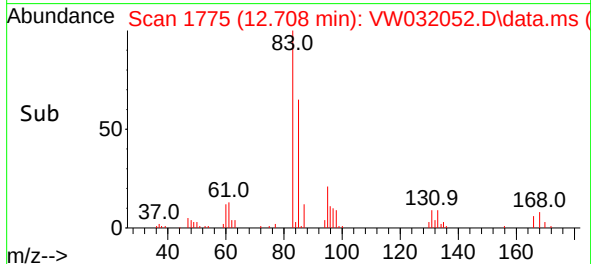
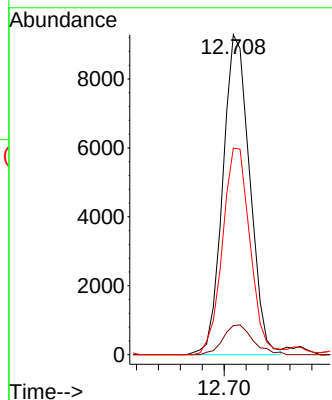
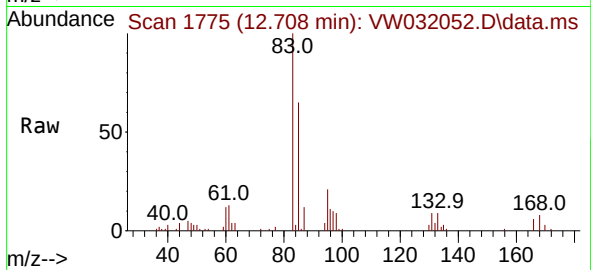




#75
1,1,2,2-Tetrachloroethane
Concen: 4.836 ug/l
RT: 12.708 min Scan# 1775
Delta R.T. -0.000 min
Lab File: VW032052.D
Acq: 11 Aug 2025 08:25

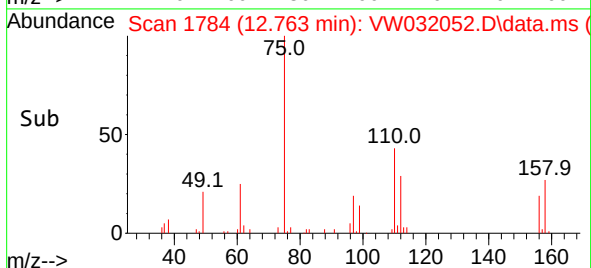
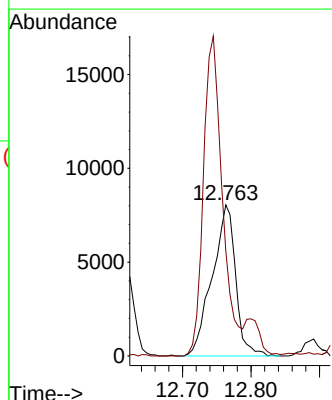
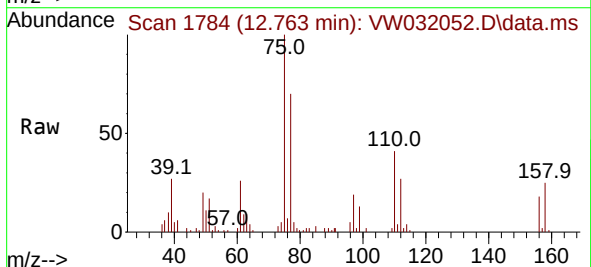
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

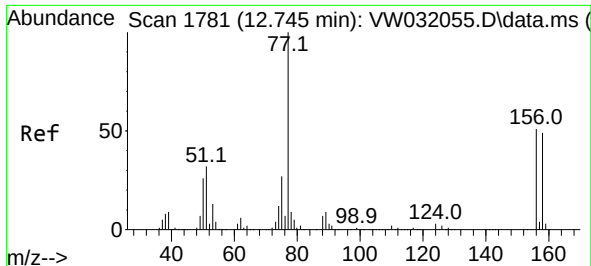
Tgt Ion: 83 Resp: 15805
Ion Ratio Lower Upper
83 100
131 10.3 5.1 15.4
85 66.7 32.2 96.6



#76
1,2,3-Trichloropropane
Concen: 6.318 ug/l
RT: 12.763 min Scan# 1784
Delta R.T. -0.000 min
Lab File: VW032052.D
Acq: 11 Aug 2025 08:25

Tgt Ion: 75 Resp: 19129
Ion Ratio Lower Upper
75 100
77 172.4 123.5 370.5

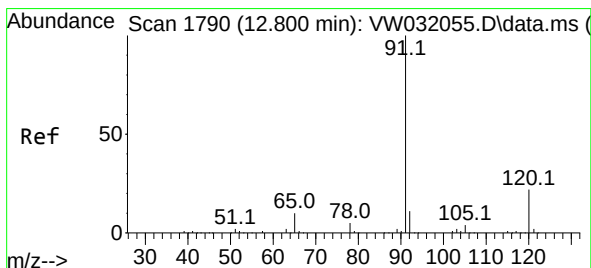
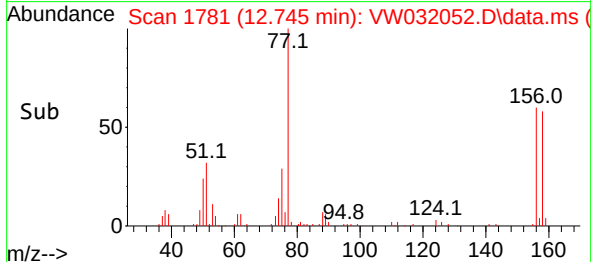
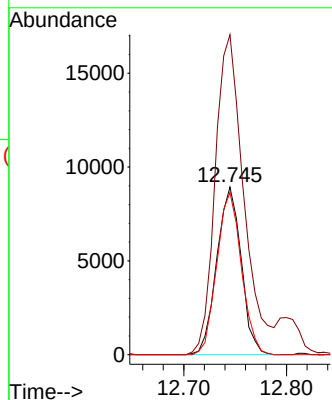
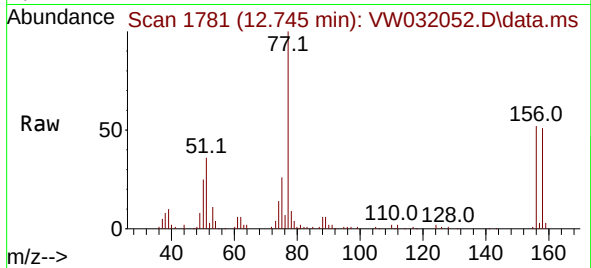




#77
Bromobenzene
Concen: 4.471 ug/l
RT: 12.745 min Scan# 1781
Delta R.T. -0.000 min
Lab File: VW032052.D
Acq: 11 Aug 2025 08:25

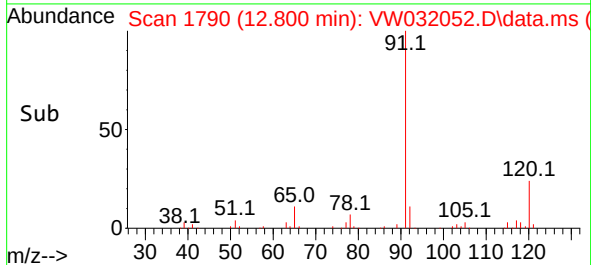
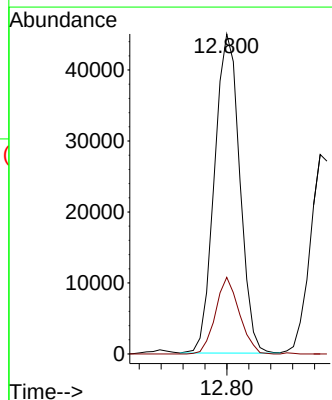
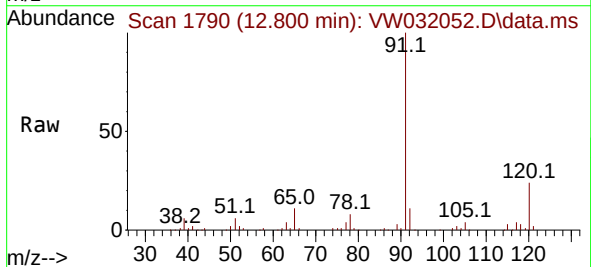
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

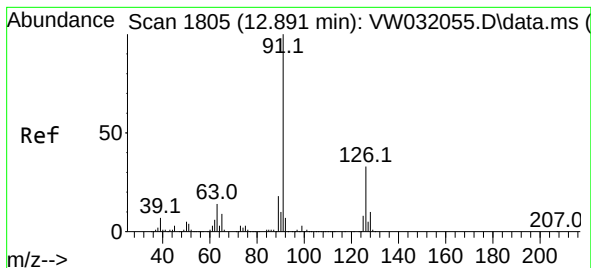
Tgt Ion:156 Resp: 14698
Ion Ratio Lower Upper
156 100
77 224.3 108.7 326.3
158 97.7 48.3 144.9



#78
n-propylbenzene
Concen: 4.257 ug/l
RT: 12.800 min Scan# 1790
Delta R.T. -0.000 min
Lab File: VW032052.D
Acq: 11 Aug 2025 08:25

Tgt Ion: 91 Resp: 72140
Ion Ratio Lower Upper
91 100
120 22.6 11.1 33.3





#79

2-Chlorotoluene

Concen: 4.483 ug/l

RT: 12.885 min Scan# 1804

Delta R.T. -0.006 min

Lab File: VW032052.D

Acq: 11 Aug 2025 08:25

Instrument :

MSVOA_W

ClientSampleId :

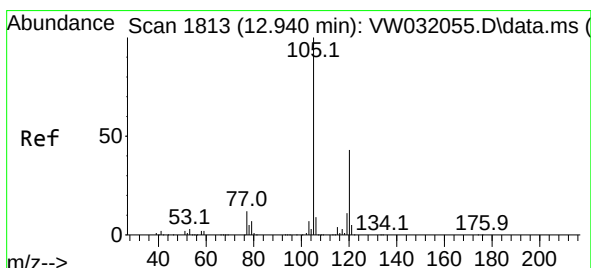
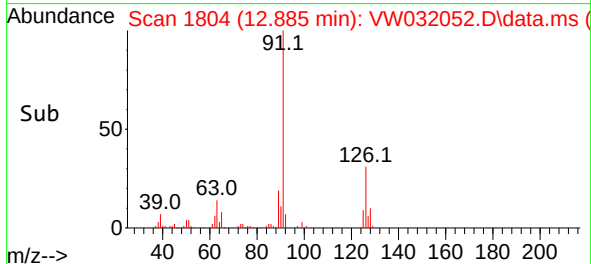
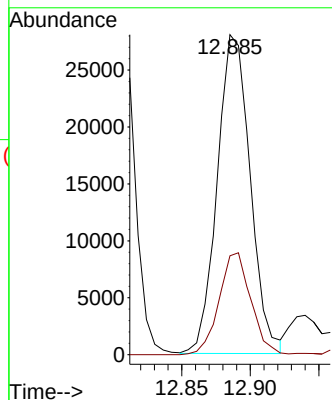
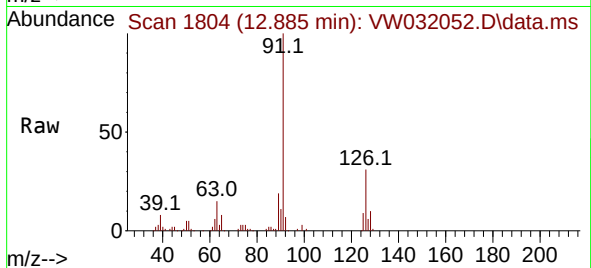
VSTDIC005

Tgt Ion: 91 Resp: 46879

Ion Ratio Lower Upper

91 100

126 30.8 15.9 47.7



#80

1,3,5-Trimethylbenzene

Concen: 4.245 ug/l

RT: 12.940 min Scan# 1813

Delta R.T. -0.000 min

Lab File: VW032052.D

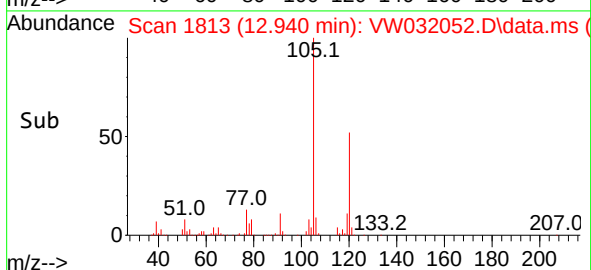
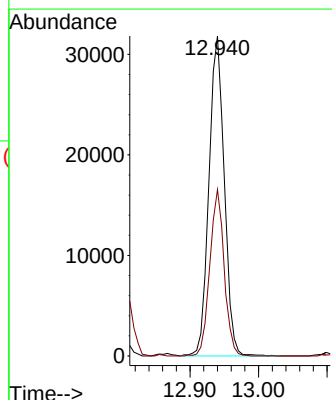
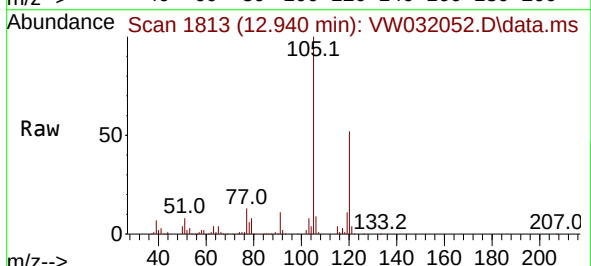
Acq: 11 Aug 2025 08:25

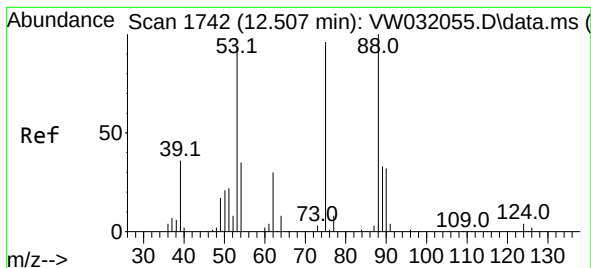
Tgt Ion: 105 Resp: 49607

Ion Ratio Lower Upper

105 100

120 48.6 23.4 70.0

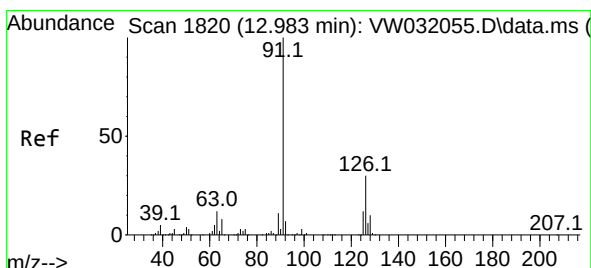
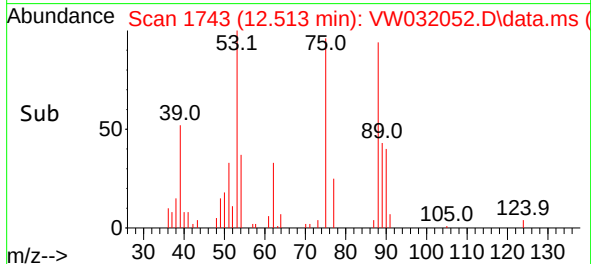
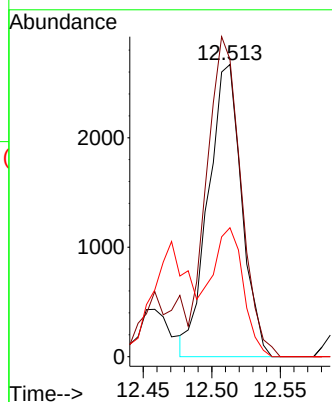
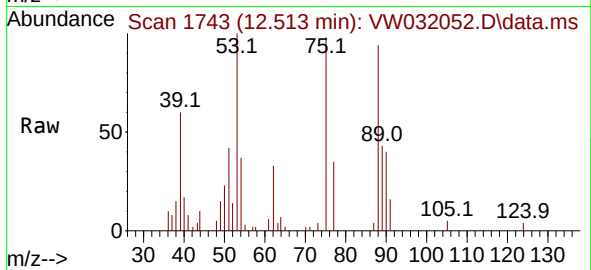




#81
trans-1,4-Dichloro-2-butene
Concen: 4.378 ug/l
RT: 12.513 min Scan# 1743
Delta R.T. 0.006 min
Lab File: VW032052.D
Acq: 11 Aug 2025 08:25

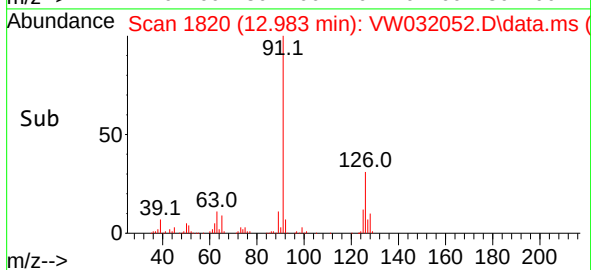
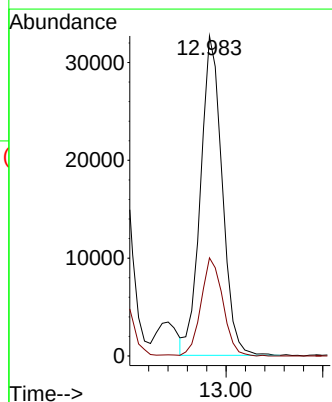
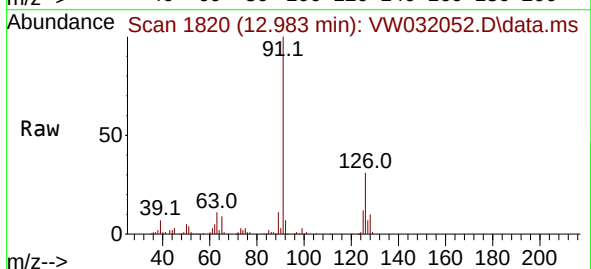
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

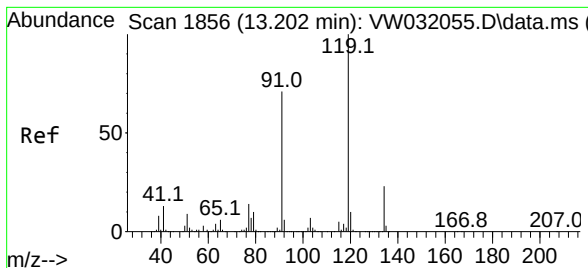
Tgt Ion: 75 Resp: 4520
Ion Ratio Lower Upper
75 100
53 110.7 81.0 121.6
89 43.0 37.3 55.9



#82
4-Chlorotoluene
Concen: 4.570 ug/l
RT: 12.983 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VW032052.D
Acq: 11 Aug 2025 08:25

Tgt Ion: 91 Resp: 50782
Ion Ratio Lower Upper
91 100
126 31.1 15.5 46.5

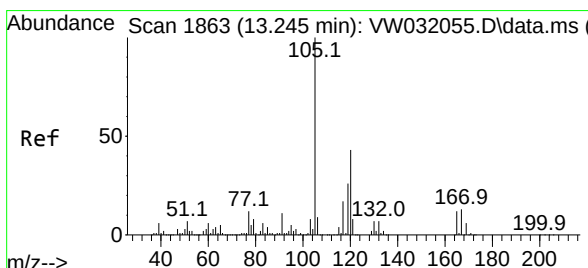
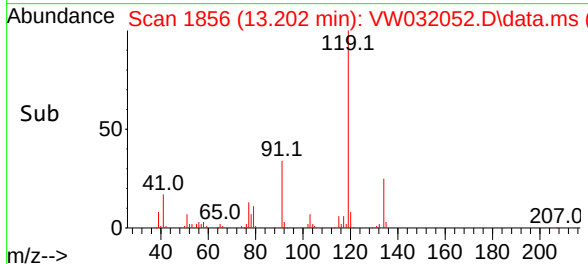
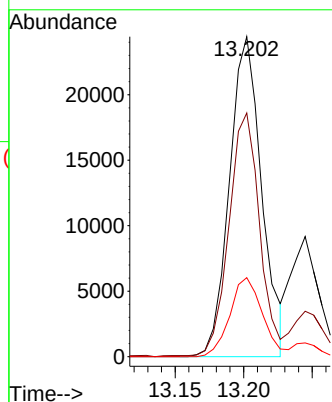
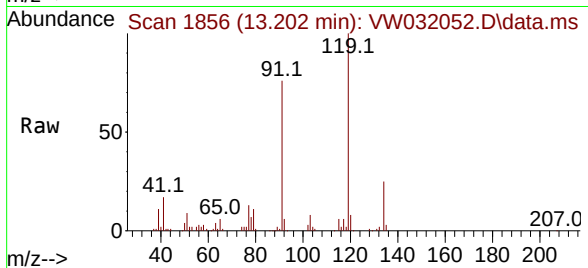




#83
tert-Butylbenzene
Concen: 4.124 ug/l
RT: 13.202 min Scan# 1856
Delta R.T. -0.000 min
Lab File: VW032052.D
Acq: 11 Aug 2025 08:25

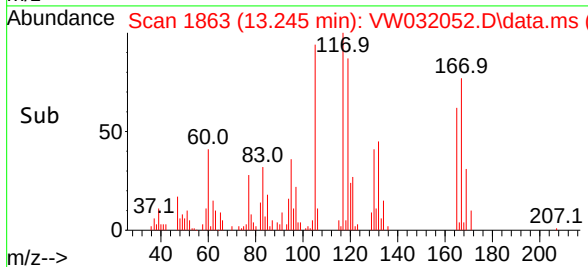
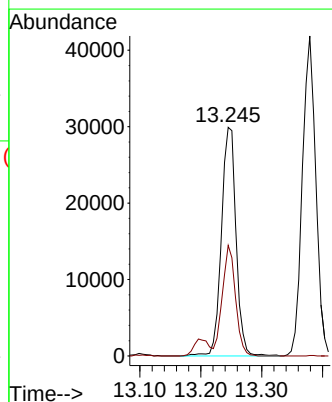
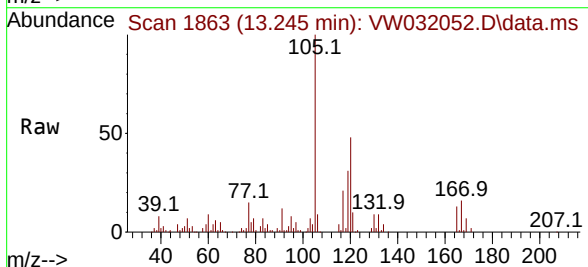
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

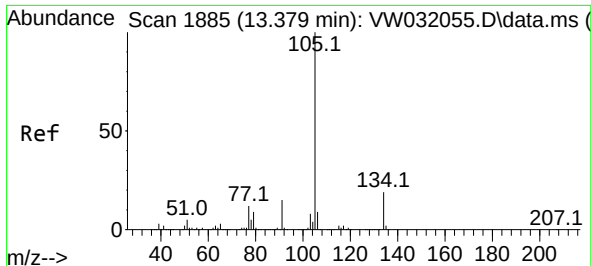
Tgt Ion:119 Resp: 39993
Ion Ratio Lower Upper
119 100
91 72.6 35.3 105.9
134 25.1 12.1 36.3



#84
1,2,4-Trimethylbenzene
Concen: 4.194 ug/l
RT: 13.245 min Scan# 1863
Delta R.T. -0.000 min
Lab File: VW032052.D
Acq: 11 Aug 2025 08:25

Tgt Ion:105 Resp: 49891
Ion Ratio Lower Upper
105 100
120 43.4 21.6 64.8

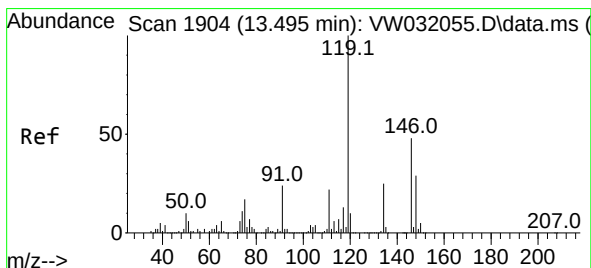
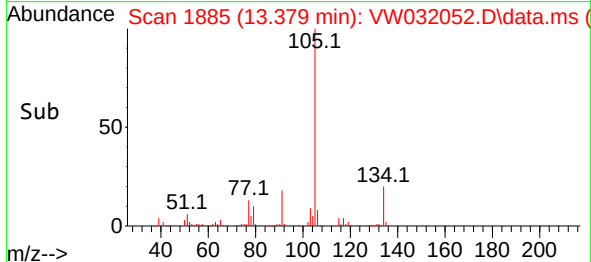
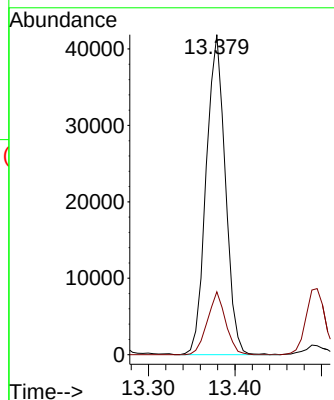
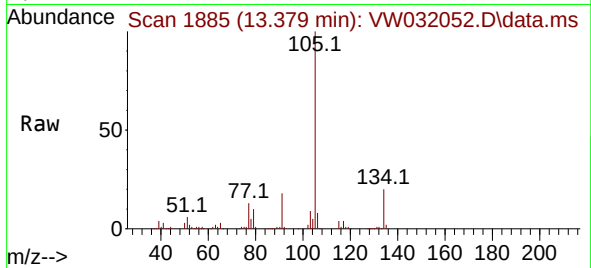




#85
 sec-Butylbenzene
 Concen: 4.382 ug/l
 RT: 13.379 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VW032052.D
 Acq: 11 Aug 2025 08:25

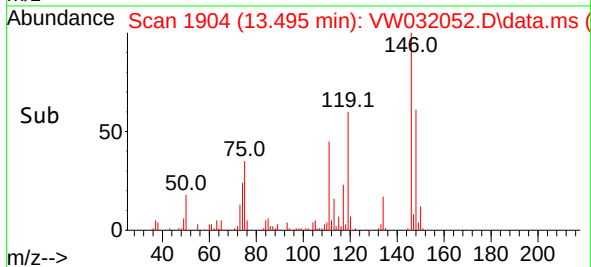
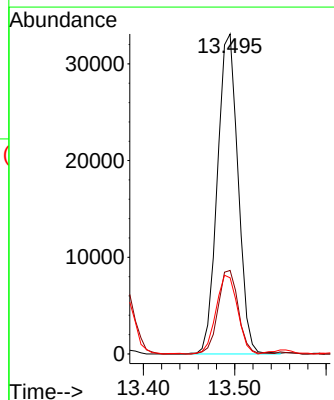
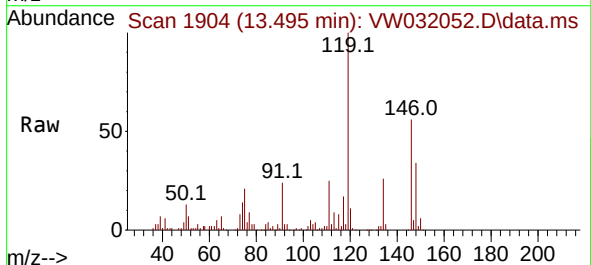
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC005

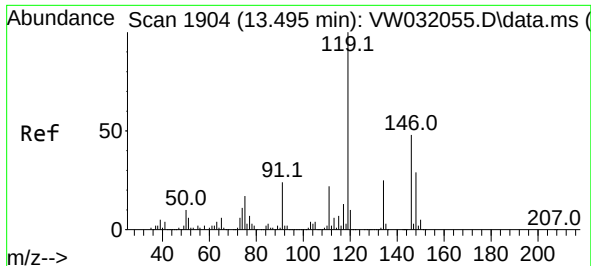
Tgt Ion:105 Resp: 64254
 Ion Ratio Lower Upper
 105 100
 134 18.7 9.9 29.7



#86
 p-Isopropyltoluene
 Concen: 4.249 ug/l
 RT: 13.495 min Scan# 1904
 Delta R.T. -0.000 min
 Lab File: VW032052.D
 Acq: 11 Aug 2025 08:25

Tgt Ion:119 Resp: 51939
 Ion Ratio Lower Upper
 119 100
 134 25.8 12.4 37.0
 91 25.7 12.1 36.3





#87

1,3-Dichlorobenzene

Concen: 4.654 ug/l

RT: 13.495 min Scan# 1904

Delta R.T. -0.000 min

Lab File: VW032052.D

Acq: 11 Aug 2025 08:25

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

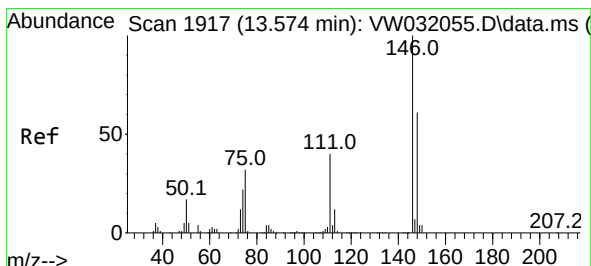
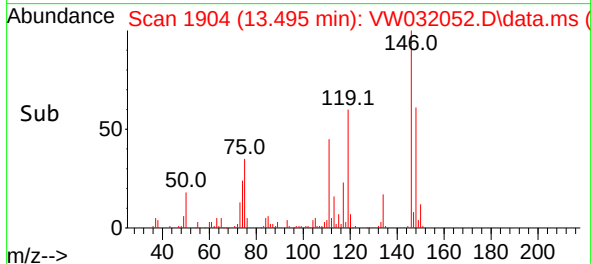
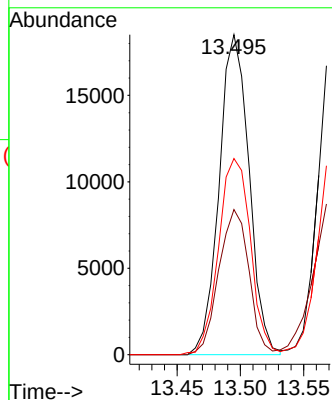
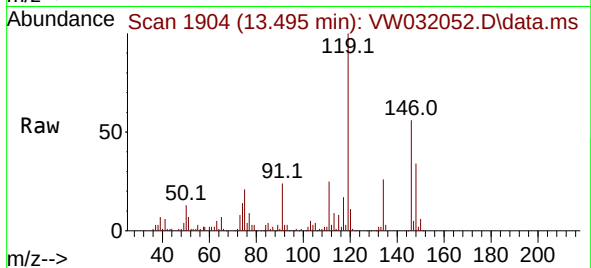
Tgt Ion:146 Resp: 30445

Ion Ratio Lower Upper

146 100

111 45.7 21.2 63.6

148 65.5 30.3 90.8



#88

1,4-Dichlorobenzene

Concen: 4.925 ug/l

RT: 13.574 min Scan# 1917

Delta R.T. -0.000 min

Lab File: VW032052.D

Acq: 11 Aug 2025 08:25

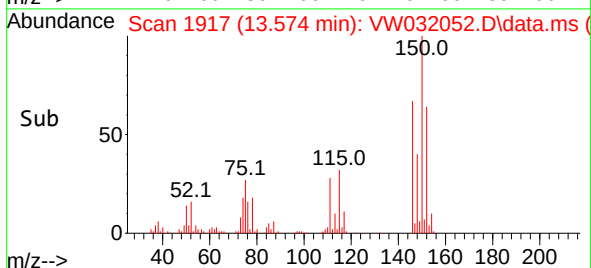
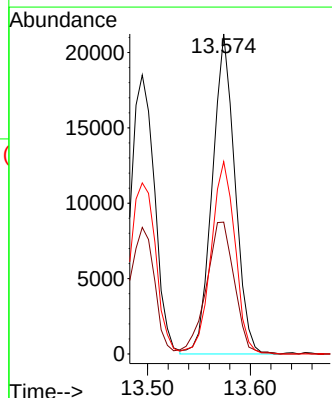
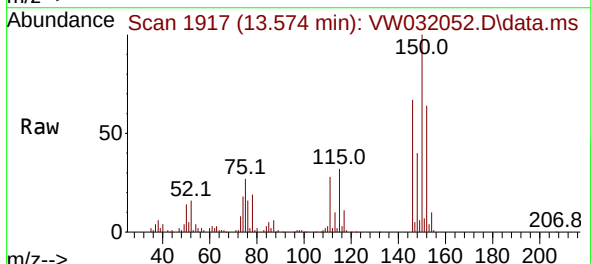
Tgt Ion:146 Resp: 32554

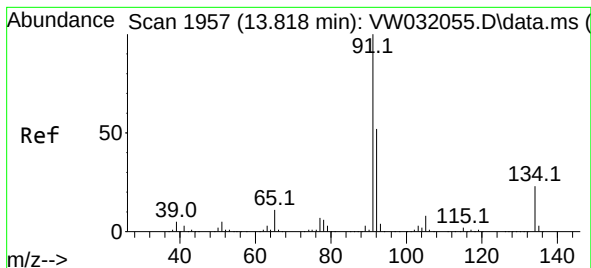
Ion Ratio Lower Upper

146 100

111 51.0 21.6 64.6

148 63.5 32.0 96.2





#89

n-Butylbenzene

Concen: 4.323 ug/l

RT: 13.818 min Scan# 1957

Delta R.T. -0.000 min

Lab File: VW032052.D

Acq: 11 Aug 2025 08:25

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

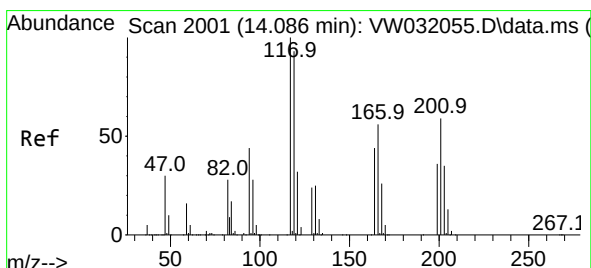
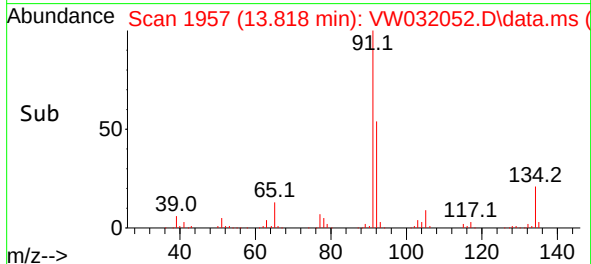
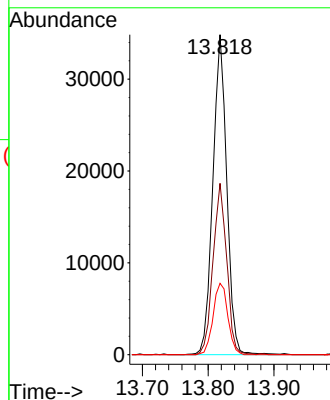
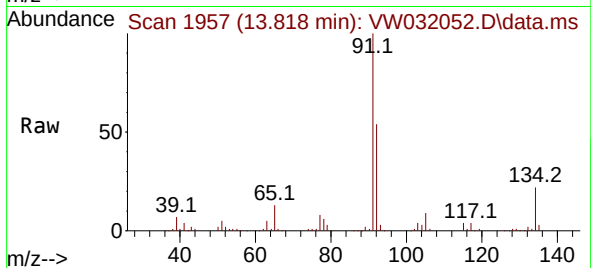
Tgt Ion: 91 Resp: 51328

Ion Ratio Lower Upper

91 100

92 52.6 26.7 80.1

134 23.5 12.0 36.1



#90

Hexachloroethane

Concen: 4.640 ug/l

RT: 14.086 min Scan# 2001

Delta R.T. -0.000 min

Lab File: VW032052.D

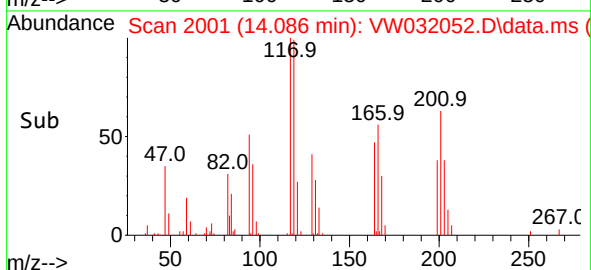
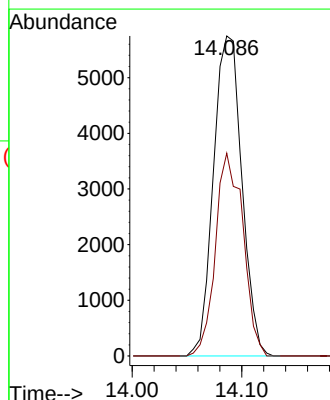
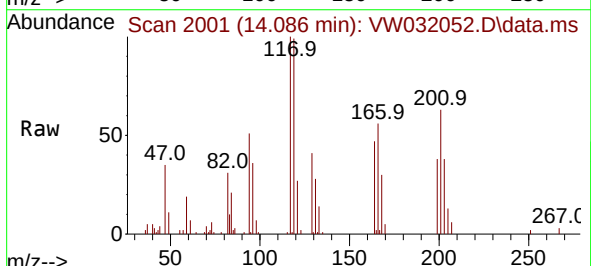
Acq: 11 Aug 2025 08:25

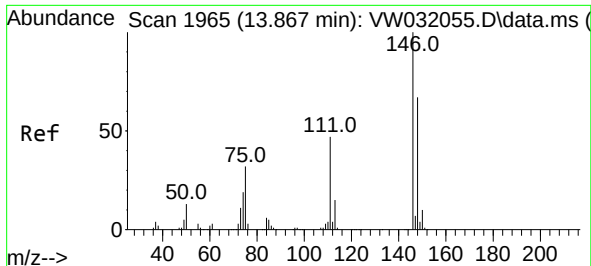
Tgt Ion: 117 Resp: 10372

Ion Ratio Lower Upper

117 100

201 61.2 30.9 92.5





#91

1,2-Dichlorobenzene

Concen: 4.836 ug/l

RT: 13.867 min Scan# 1965

Delta R.T. -0.000 min

Lab File: VW032052.D

Acq: 11 Aug 2025 08:25

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC005

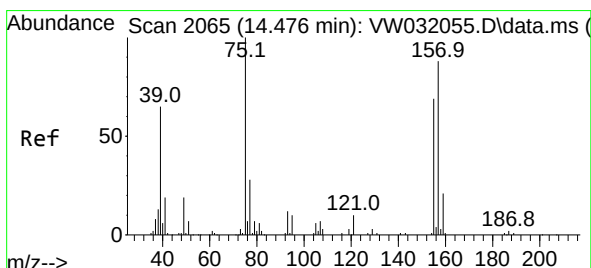
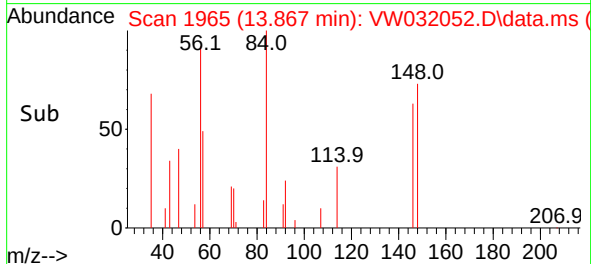
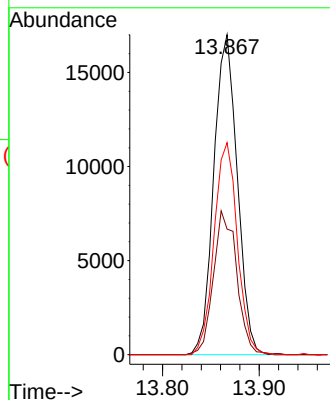
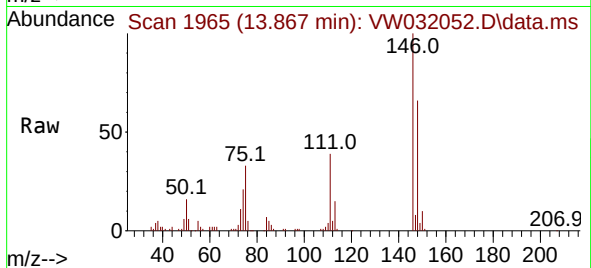
Tgt Ion:146 Resp: 28653

Ion Ratio Lower Upper

146 100

111 44.7 23.1 69.3

148 65.7 32.9 98.6



#92

1,2-Dibromo-3-Chloropropane

Concen: 5.123 ug/l

RT: 14.476 min Scan# 2065

Delta R.T. -0.000 min

Lab File: VW032052.D

Acq: 11 Aug 2025 08:25

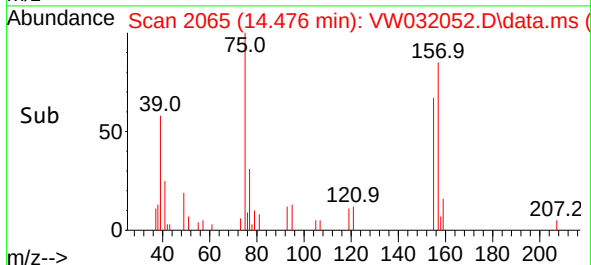
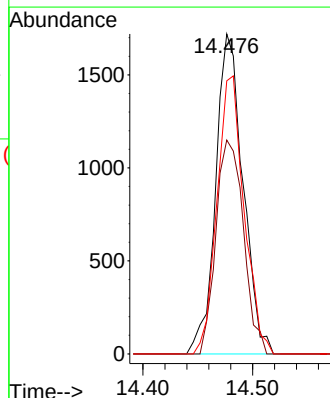
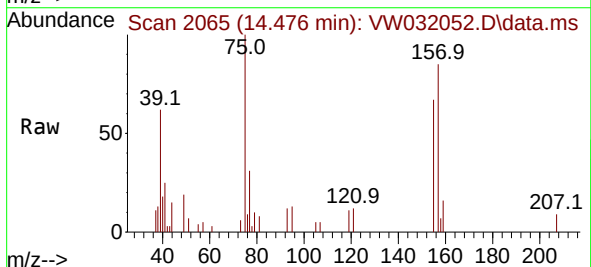
Tgt Ion: 75 Resp: 2976

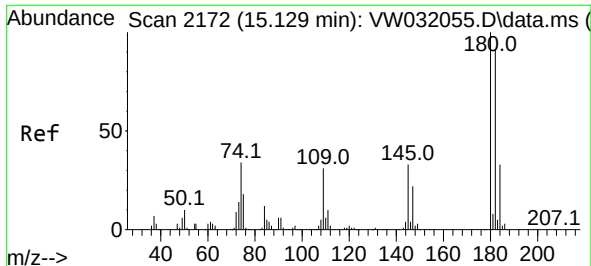
Ion Ratio Lower Upper

75 100

155 67.4 35.2 105.6

157 86.2 47.5 142.6

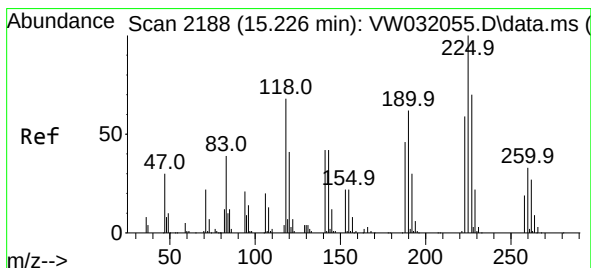
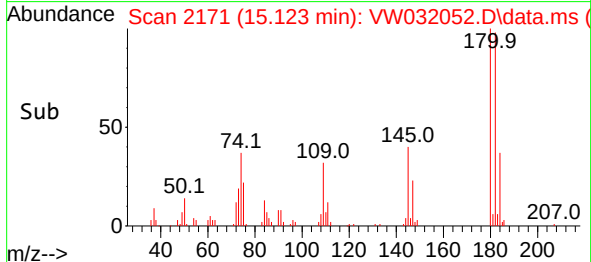
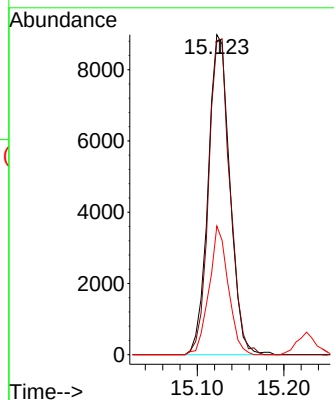
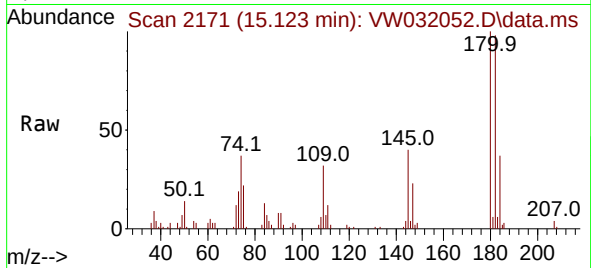




#93
 1,2,4-Trichlorobenzene
 Concen: 4.414 ug/l
 RT: 15.123 min Scan# 2171
 Delta R.T. -0.006 min
 Lab File: VW032052.D
 Acq: 11 Aug 2025 08:25

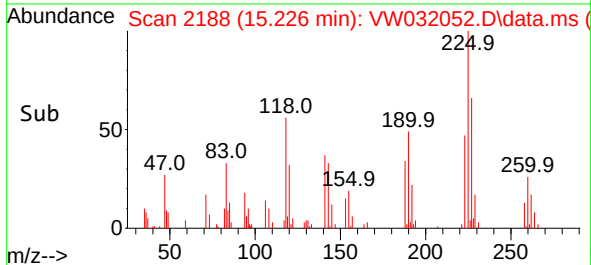
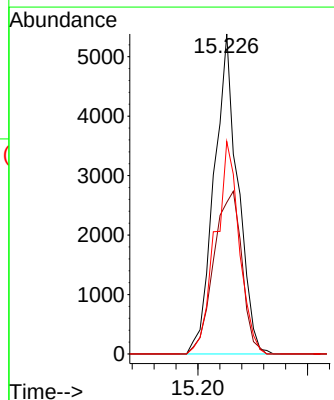
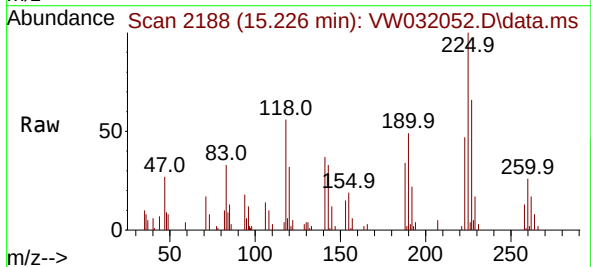
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

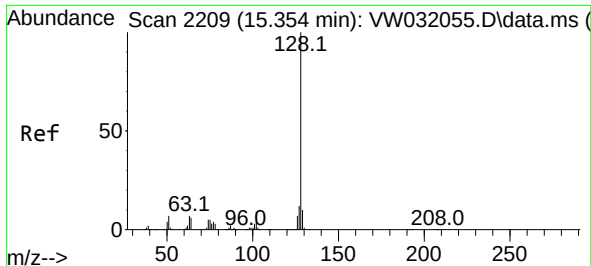
Tgt Ion:	180	Resp:	15646
Ion Ratio	Lower	Upper	
180	100		
182	96.8	49.0	147.0
145	35.4	17.3	51.9



#94
 Hexachlorobutadiene
 Concen: 5.118 ug/l
 RT: 15.226 min Scan# 2188
 Delta R.T. -0.000 min
 Lab File: VW032052.D
 Acq: 11 Aug 2025 08:25

Tgt Ion:	225	Resp:	8109
Ion Ratio	Lower	Upper	
225	100		
223	60.1	31.8	95.3
227	66.8	33.5	100.5

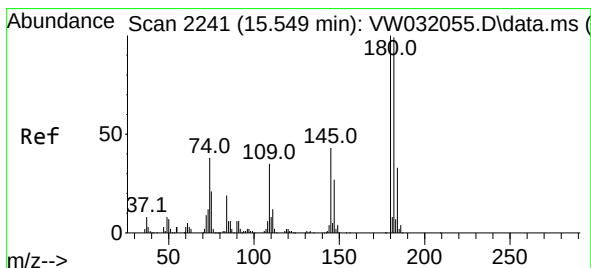
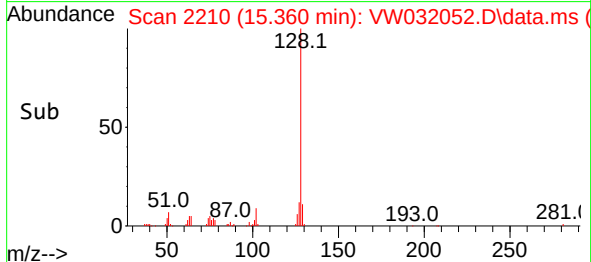
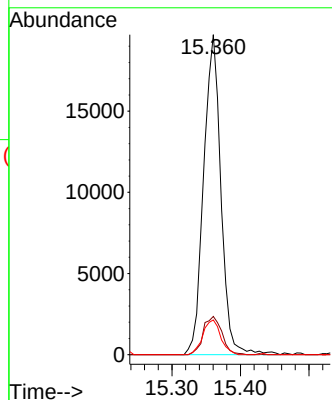
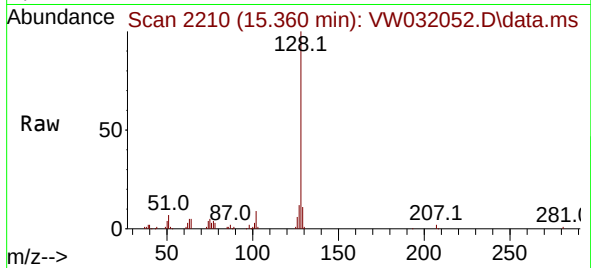




#95
Naphthalene
Concen: 3.991 ug/l
RT: 15.360 min Scan# 2210
Delta R.T. 0.006 min
Lab File: VW032052.D
Acq: 11 Aug 2025 08:25

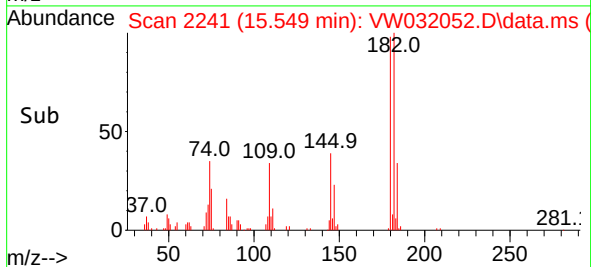
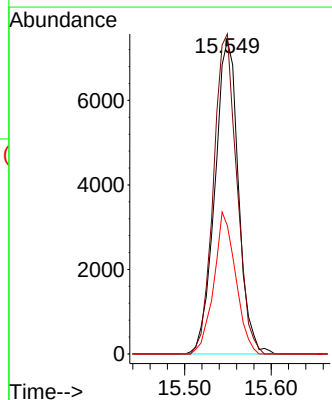
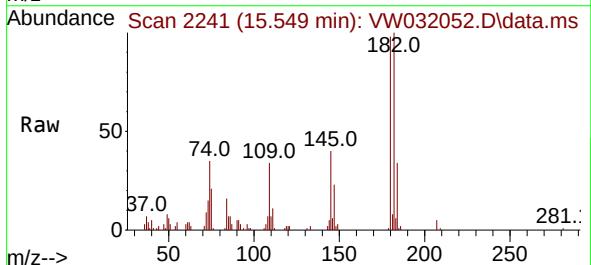
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Tgt Ion:128 Resp: 34667
Ion Ratio Lower Upper
128 100
127 12.9 10.5 15.7
129 11.2 8.2 12.4



#96
1,2,3-Trichlorobenzene
Concen: 4.357 ug/l
RT: 15.549 min Scan# 2241
Delta R.T. -0.000 min
Lab File: VW032052.D
Acq: 11 Aug 2025 08:25

Tgt Ion:180 Resp: 14053
Ion Ratio Lower Upper
180 100
182 100.4 46.0 138.0
145 41.7 19.2 57.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081125\
 Data File : VW032053.D
 Acq On : 11 Aug 2025 09:09
 Operator : SY/MD
 Sample : VSTDICC010
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC010

Quant Time: Aug 12 03:37:04 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 12 03:34:13 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.959	168	225221	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	426784	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	385631	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	181281	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	33671	10.337	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	20.680%#
35) Dibromofluoromethane	7.904	113	27978	10.147	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	20.300%#
50) Toluene-d8	10.331	98	100702	9.875	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	19.740%#
62) 4-Bromofluorobenzene	12.617	95	36748	9.778	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	19.560%

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	2.039	85	17258	10.714	ug/l	99
3) Chloromethane	2.253	50	21693	9.998	ug/l	91
4) Vinyl Chloride	2.405	62	27978	10.660	ug/l	92
5) Bromomethane	2.826	94	20345	10.332	ug/l	93
6) Chloroethane	2.966	64	17509	10.081	ug/l	98
7) Trichlorofluoromethane	3.301	101	19623	9.333	ug/l	99
8) Diethyl Ether	3.716	74	17227	10.000	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.100	101	25491	10.276	ug/l	99
10) Methyl Iodide	4.301	142	35515	10.098	ug/l	98
11) Tert butyl alcohol	5.228	59	10754	50.985	ug/l	98
12) 1,1-Dichloroethene	4.082	96	27944	10.231	ug/l	99
13) Acrolein	3.929	56	18650	55.493	ug/l	94
14) Allyl chloride	4.704	41	39114	9.839	ug/l	100
15) Acrylonitrile	5.405	53	42536	51.842	ug/l	100
16) Acetone	4.161	43	40816	54.122	ug/l	99
17) Carbon Disulfide	4.423	76	72806	9.931	ug/l	97
18) Methyl Acetate	4.716	43	27191	11.394	ug/l	99
19) Methyl tert-butyl Ether	5.460	73	47872	9.947	ug/l	97
20) Methylene Chloride	4.960	84	35462	10.170	ug/l	95
21) trans-1,2-Dichloroethene	5.454	96	28875	9.962	ug/l	93
22) Diisopropyl ether	6.344	45	84045	10.029	ug/l	97
23) Vinyl Acetate	6.283	43	259050	47.081	ug/l	99
24) 1,1-Dichloroethane	6.240	63	54051	10.095	ug/l	98
25) 2-Butanone	7.197	43	54327	50.685	ug/l	98
26) 2,2-Dichloropropane	7.185	77	27463	10.224	ug/l	100
27) cis-1,2-Dichloroethene	7.191	96	33173	9.791	ug/l	99
28) Bromochloromethane	7.532	49	24412	10.019	ug/l	99
29) Tetrahydrofuran	7.557	42	35909	50.800	ug/l	99
30) Chloroform	7.697	83	57170	10.071	ug/l	99
31) Cyclohexane	7.971	56	48633	10.477	ug/l #	95
32) 1,1,1-Trichloroethane	7.886	97	42747	10.368	ug/l	97
36) 1,1-Dichloropropene	8.093	75	38994	10.032	ug/l	99
37) Ethyl Acetate	7.276	43	23053	10.070	ug/l	96
38) Carbon Tetrachloride	8.081	117	37535	10.007	ug/l	91
39) Methylcyclohexane	9.343	83	46100	9.731	ug/l	96
40) Benzene	8.337	78	121462	10.053	ug/l	95

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081125\
 Data File : VW032053.D
 Acq On : 11 Aug 2025 09:09
 Operator : SY/MD
 Sample : VSTDICC010
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC010

Quant Time: Aug 12 03:37:04 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 12 03:34:13 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.502	41	11729	9.035	ug/l #	90
42) 1,2-Dichloroethane	8.410	62	39882	10.316	ug/l	100
43) Isopropyl Acetate	8.435	43	41036	9.743	ug/l	98
44) Trichloroethene	9.105	130	28498	9.905	ug/l	99
45) 1,2-Dichloropropane	9.374	63	29199	10.004	ug/l	98
46) Dibromomethane	9.471	93	18653	9.901	ug/l	98
47) Bromodichloromethane	9.654	83	42618	9.818	ug/l	98
48) Methyl methacrylate	9.441	41	19654	9.666	ug/l	98
49) 1,4-Dioxane	9.465	88	4684	192.302	ug/l	99
51) 4-Methyl-2-Pentanone	10.215	43	121419	51.075	ug/l	99
52) Toluene	10.392	92	75250	9.888	ug/l	100
53) t-1,3-Dichloropropene	10.605	75	38397	9.441	ug/l	96
54) cis-1,3-Dichloropropene	10.075	75	44031	9.543	ug/l	97
55) 1,1,2-Trichloroethane	10.788	97	25277	10.097	ug/l	96
56) Ethyl methacrylate	10.648	69	31022	9.260	ug/l	97
57) 1,3-Dichloropropane	10.934	76	44743	10.254	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.928	63	88627	47.830	ug/l	100
59) 2-Hexanone	10.971	43	82830	50.310	ug/l	97
60) Dibromochloromethane	11.129	129	27954	9.776	ug/l	100
61) 1,2-Dibromoethane	11.239	107	24146	9.926	ug/l	99
64) Tetrachloroethene	10.867	164	23235	10.431	ug/l	90
65) Chlorobenzene	11.660	112	86096	10.257	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.733	131	26286	10.037	ug/l	97
67) Ethyl Benzene	11.733	91	139254	9.794	ug/l	98
68) m/p-Xylenes	11.837	106	108990	19.866	ug/l	98
69) o-Xylene	12.166	106	49259	9.714	ug/l	97
70) Styrene	12.184	104	87542	9.719	ug/l	99
71) Bromoform	12.349	173	14547	9.711	ug/l #	97
73) Isopropylbenzene	12.464	105	125246	9.886	ug/l	98
74) N-amyl acetate	12.269	43	35636	9.804	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.714	83	31581	10.499	ug/l	99
76) 1,2,3-Trichloropropane	12.763	75	39515	14.180	ug/l	58
77) Bromobenzene	12.745	156	31656	10.462	ug/l	98
78) n-propylbenzene	12.800	91	156266	10.019	ug/l	98
79) 2-Chlorotoluene	12.891	91	96942	10.071	ug/l	98
80) 1,3,5-Trimethylbenzene	12.940	105	108123	10.053	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.513	75	8936	9.403	ug/l	90
82) 4-Chlorotoluene	12.989	91	103329	10.103	ug/l	100
83) tert-Butylbenzene	13.202	119	86848	9.729	ug/l	100
84) 1,2,4-Trimethylbenzene	13.245	105	110697	10.110	ug/l	99
85) sec-Butylbenzene	13.379	105	131663	9.756	ug/l	98
86) p-Isopropyltoluene	13.495	119	110557	9.827	ug/l	98
87) 1,3-Dichlorobenzene	13.495	146	62383	10.361	ug/l	97
88) 1,4-Dichlorobenzene	13.574	146	62843	10.328	ug/l	98
89) n-Butylbenzene	13.818	91	108004	9.881	ug/l	99
90) Hexachloroethane	14.086	117	20175	9.805	ug/l	96
91) 1,2-Dichlorobenzene	13.867	146	56501	10.359	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.482	75	5305	9.920	ug/l	95
93) 1,2,4-Trichlorobenzene	15.129	180	31816	9.751	ug/l	97
94) Hexachlorobutadiene	15.232	225	14987	10.276	ug/l	98
95) Naphthalene	15.360	128	76287	9.542	ug/l	99
96) 1,2,3-Trichlorobenzene	15.549	180	28678	9.660	ug/l	99

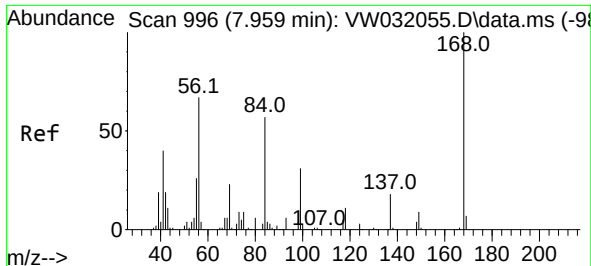
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Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Quant Time: Aug 12 03:37:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 12 03:34:13 2025
Response via : Initial Calibration

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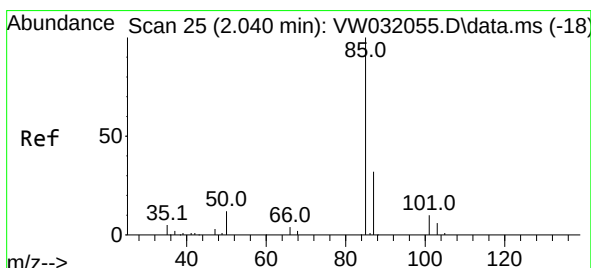
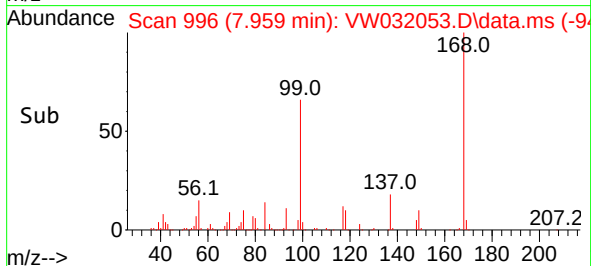
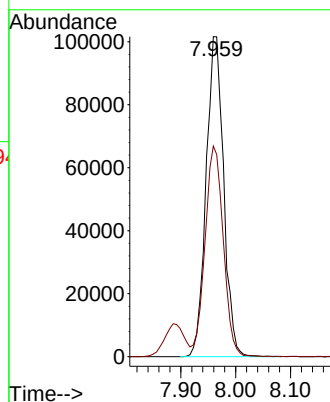
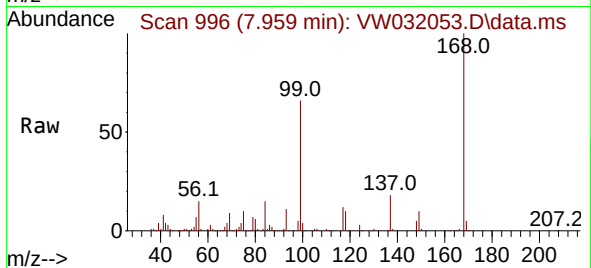
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 99
Delta R.T. 0.000 min
Lab File: VW032053.D
Acq: 11 Aug 2025 09:09

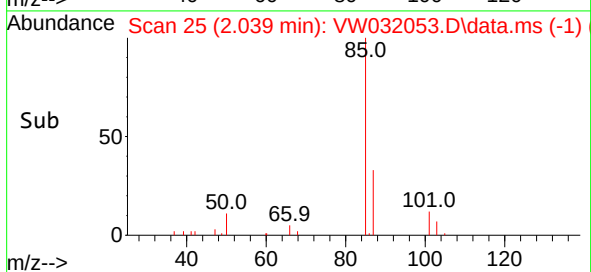
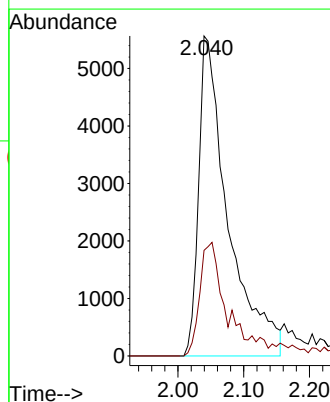
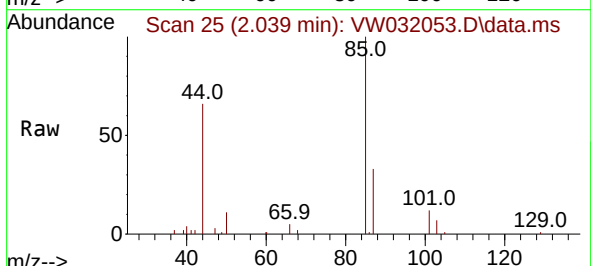
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MSVOA_W
ClientSampleId :
VSTDICC010

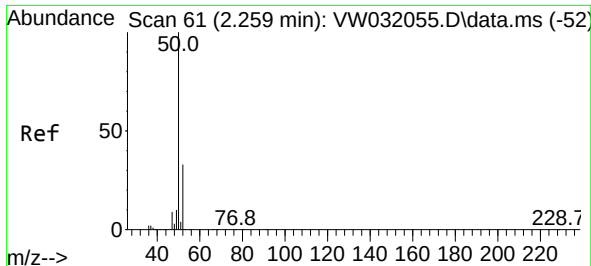
Tgt Ion:168 Resp: 225221
Ion Ratio Lower Upper
168 100
99 65.7 56.0 84.0



#2
Dichlorodifluoromethane
Concen: 10.714 ug/l
RT: 2.039 min Scan# 25
Delta R.T. -0.000 min
Lab File: VW032053.D
Acq: 11 Aug 2025 09:09

Tgt Ion: 85 Resp: 17258
Ion Ratio Lower Upper
85 100
87 33.0 16.2 48.6

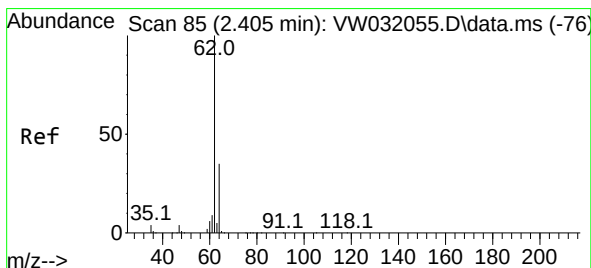
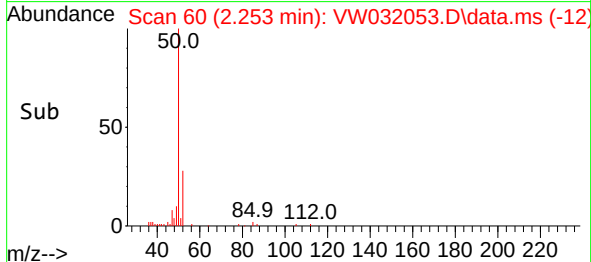
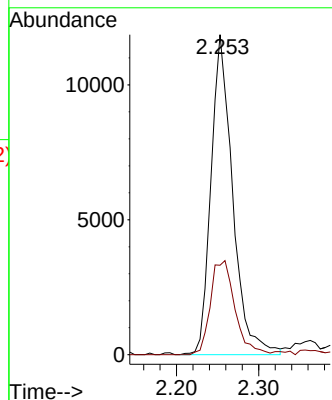
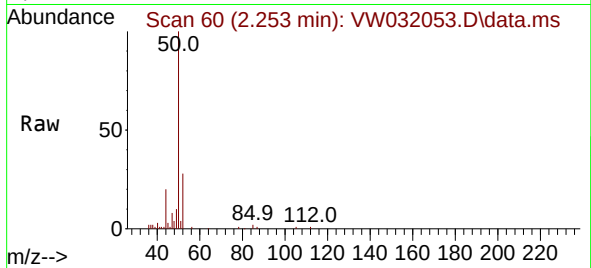




#3
Chloromethane
Concen: 9.998 ug/l
RT: 2.253 min Scan# 60
Delta R.T. -0.006 min
Lab File: VW032053.D
Acq: 11 Aug 2025 09:09

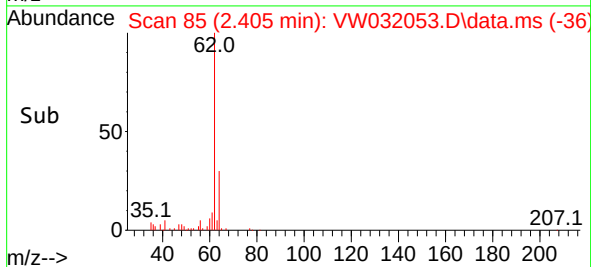
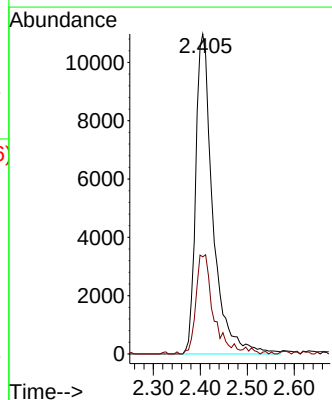
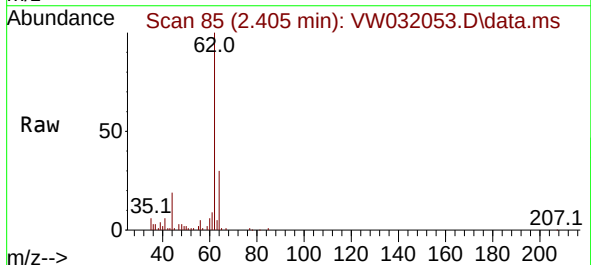
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ClientSampleId :
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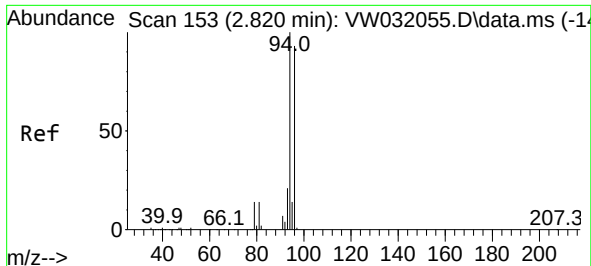
Tgt Ion: 50 Resp: 21693
Ion Ratio Lower Upper
50 100
52 27.9 26.6 39.8



#4
Vinyl Chloride
Concen: 10.660 ug/l
RT: 2.405 min Scan# 85
Delta R.T. -0.000 min
Lab File: VW032053.D
Acq: 11 Aug 2025 09:09

Tgt Ion: 62 Resp: 27978
Ion Ratio Lower Upper
62 100
64 30.3 27.8 41.6

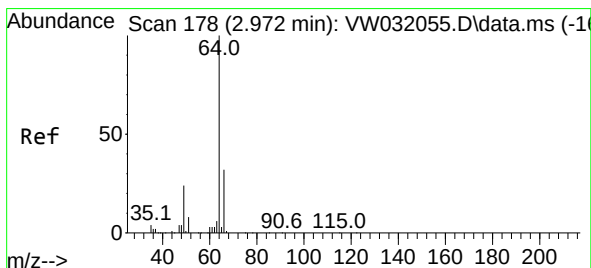
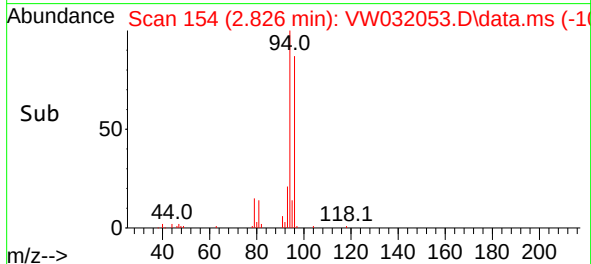
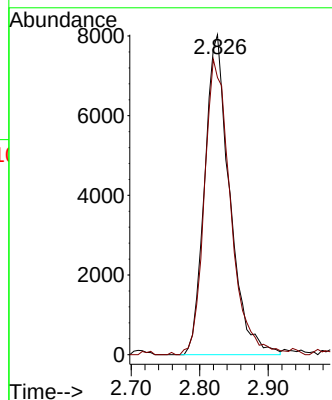
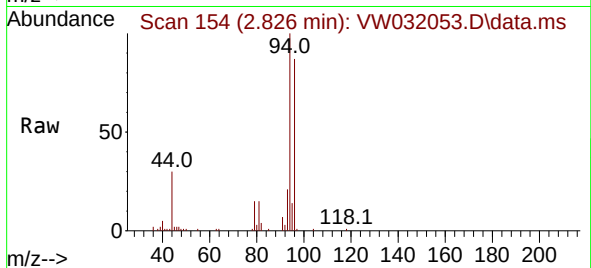




#5
Bromomethane
Concen: 10.332 ug/l
RT: 2.826 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW032053.D
Acq: 11 Aug 2025 09:09

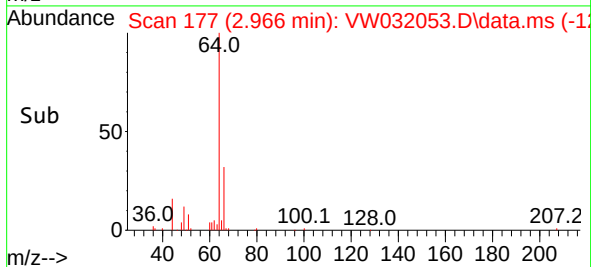
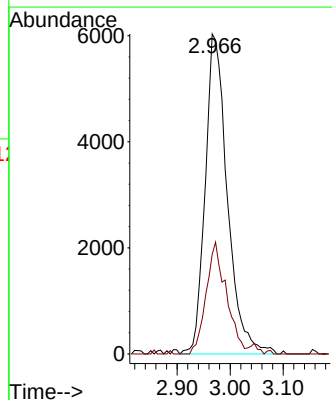
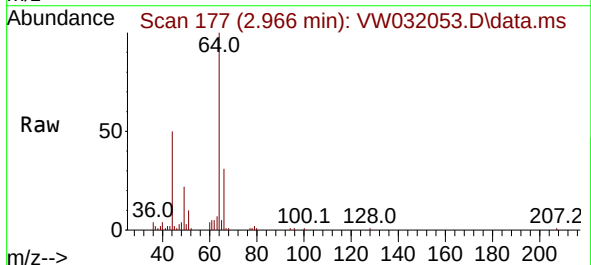
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

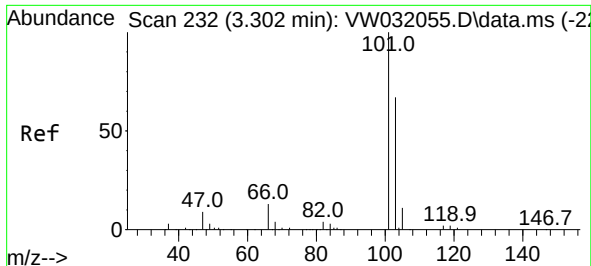
Tgt Ion: 94 Resp: 20345
Ion Ratio Lower Upper
94 100
96 86.6 74.7 112.1



#6
Chloroethane
Concen: 10.081 ug/l
RT: 2.966 min Scan# 177
Delta R.T. -0.006 min
Lab File: VW032053.D
Acq: 11 Aug 2025 09:09

Tgt Ion: 64 Resp: 17509
Ion Ratio Lower Upper
64 100
66 31.2 26.0 39.0

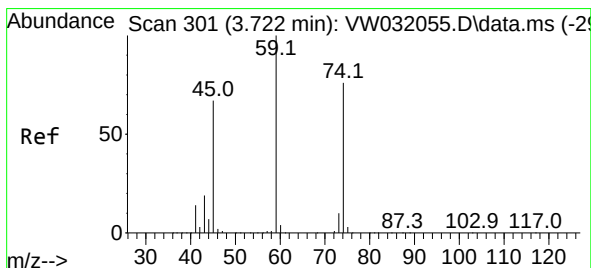
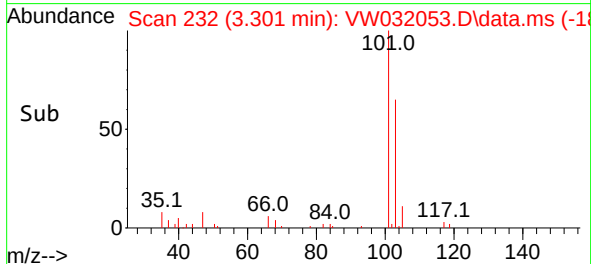
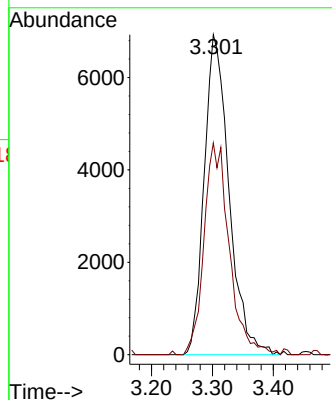
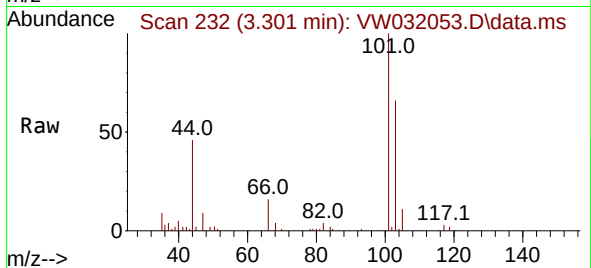




#7
Trichlorofluoromethane
Concen: 9.333 ug/l
RT: 3.301 min Scan# 21
Delta R.T. -0.000 min
Lab File: VW032053.D
Acq: 11 Aug 2025 09:09

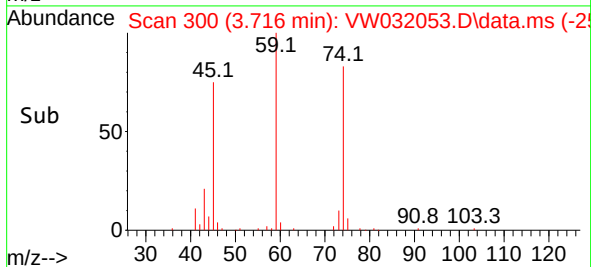
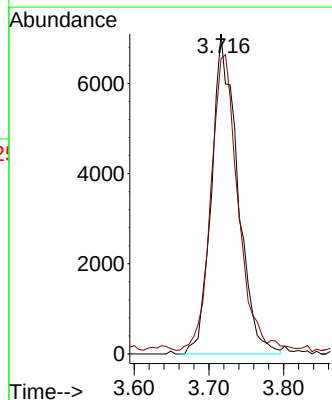
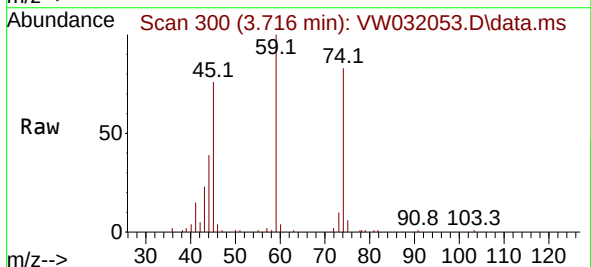
Instrument :
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ClientSampleId :
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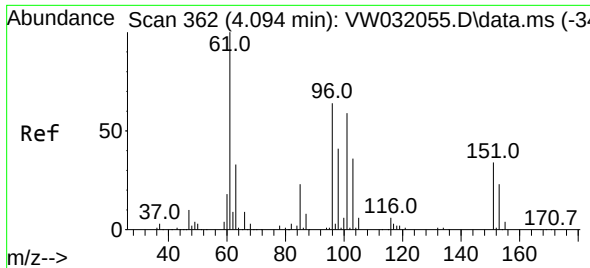
Tgt Ion:101 Resp: 19623
Ion Ratio Lower Upper
101 100
103 66.2 53.4 80.0



#8
Diethyl Ether
Concen: 10.000 ug/l
RT: 3.716 min Scan# 300
Delta R.T. -0.006 min
Lab File: VW032053.D
Acq: 11 Aug 2025 09:09

Tgt Ion: 74 Resp: 17227
Ion Ratio Lower Upper
74 100
45 95.9 45.4 136.2

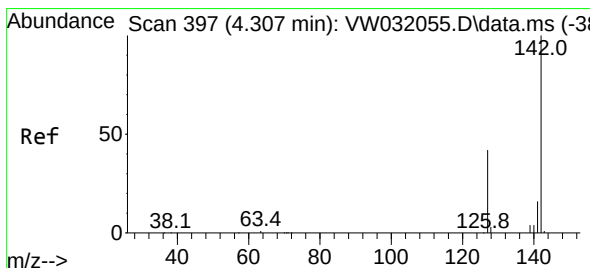
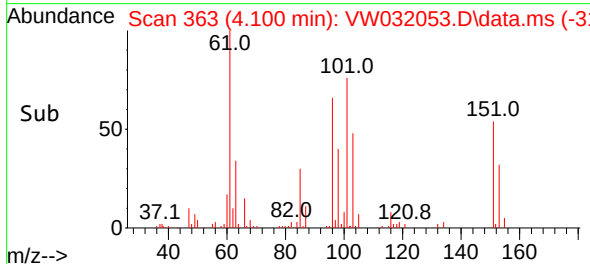
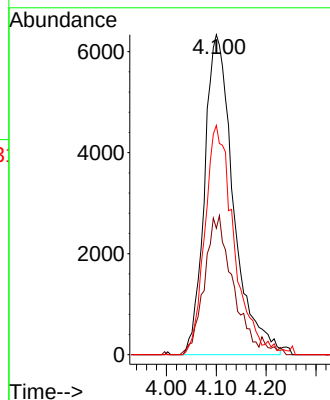
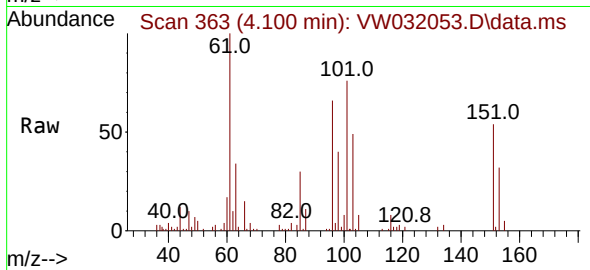




#9
1,1,2-Trichlorotrifluoroethane
Concen: 10.276 ug/l
RT: 4.100 min Scan# 363
Delta R.T. 0.006 min
Lab File: VW032053.D
Acq: 11 Aug 2025 09:09

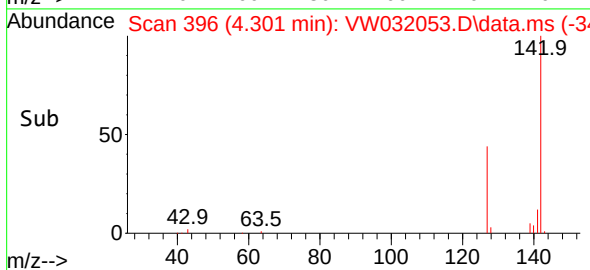
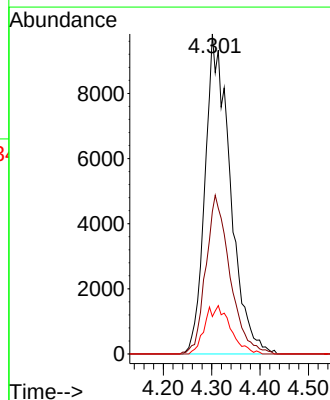
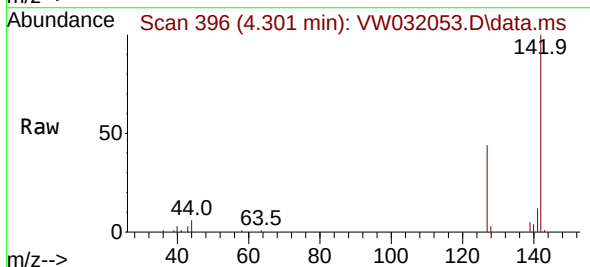
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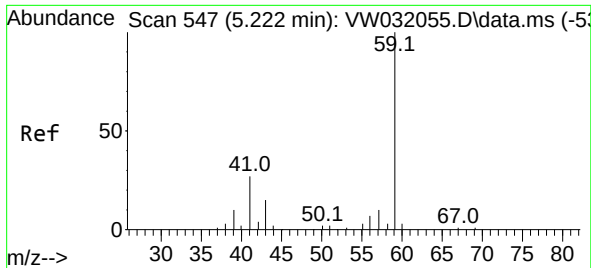
Tgt Ion:101 Resp: 25491
Ion Ratio Lower Upper
101 100
85 42.4 34.9 52.3
151 70.9 56.2 84.4



#10
Methyl Iodide
Concen: 10.098 ug/l
RT: 4.301 min Scan# 396
Delta R.T. -0.006 min
Lab File: VW032053.D
Acq: 11 Aug 2025 09:09

Tgt Ion:142 Resp: 35515
Ion Ratio Lower Upper
142 100
127 47.6 36.6 55.0
141 15.4 12.1 18.1

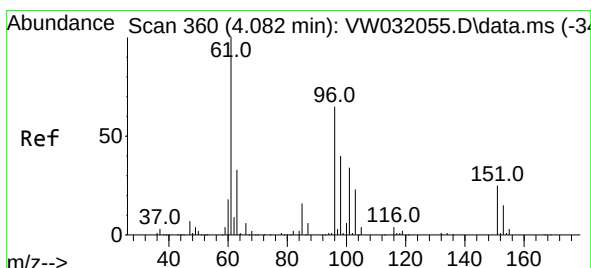
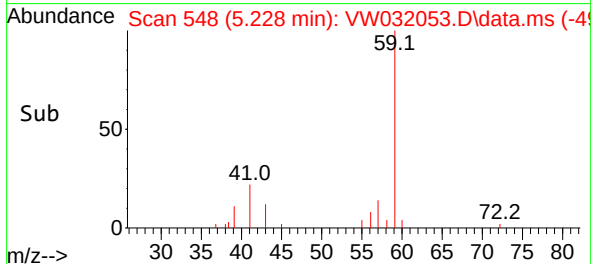
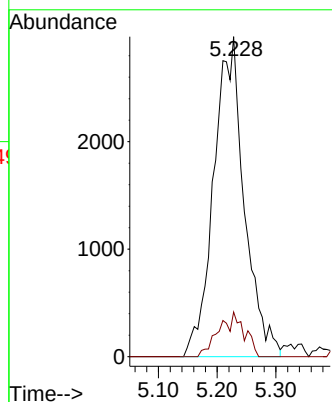
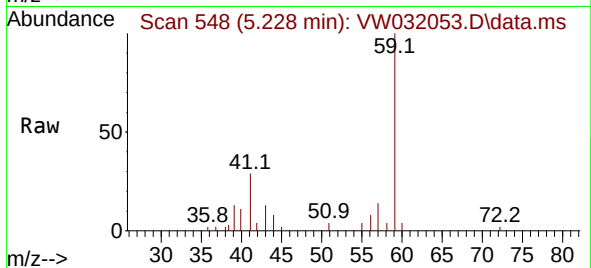




#11
Tert butyl alcohol
Concen: 50.985 ug/l
RT: 5.228 min Scan# 54
Delta R.T. 0.006 min
Lab File: VW032053.D
Acq: 11 Aug 2025 09:09

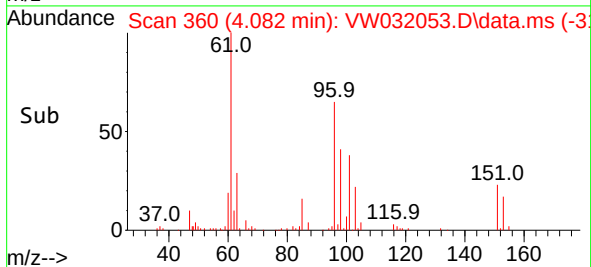
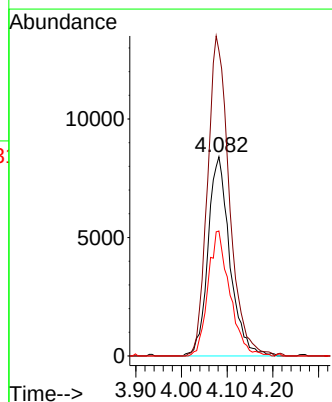
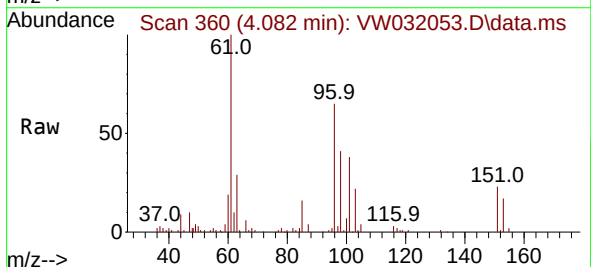
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ClientSampleId :
VSTDICC010

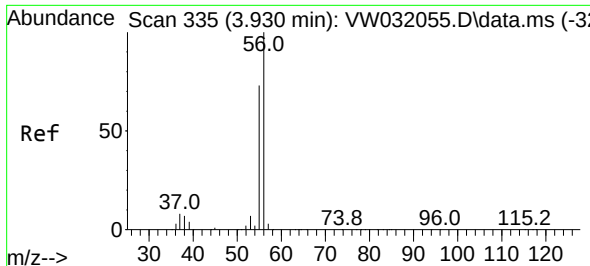
Tgt Ion: 59 Resp: 10754
Ion Ratio Lower Upper
59 100
57 11.7 8.7 13.1



#12
1,1-Dichloroethene
Concen: 10.231 ug/l
RT: 4.082 min Scan# 360
Delta R.T. -0.000 min
Lab File: VW032053.D
Acq: 11 Aug 2025 09:09

Tgt Ion: 96 Resp: 27944
Ion Ratio Lower Upper
96 100
61 153.3 123.4 185.2
98 62.7 49.5 74.3

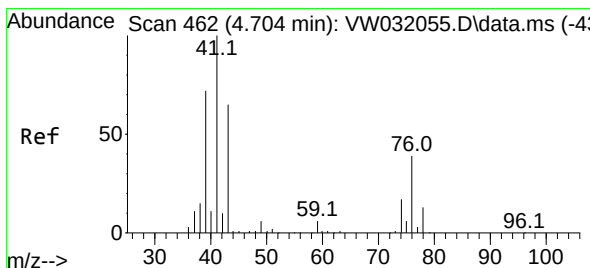
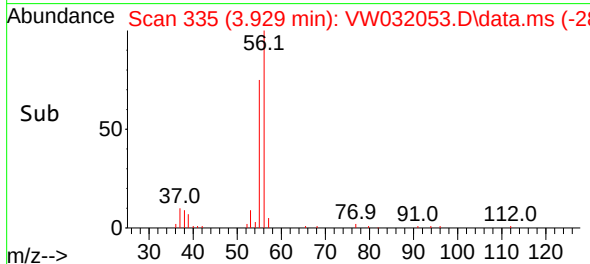
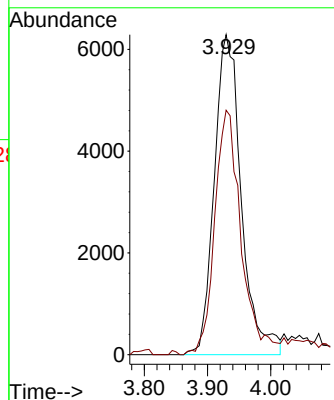
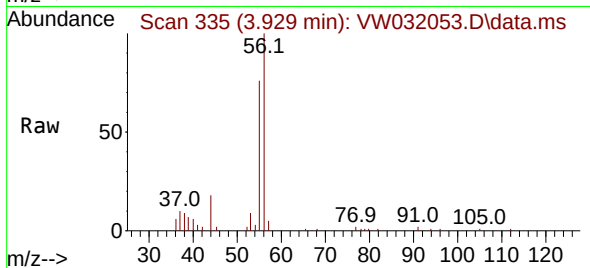




#13
Acrolein
Concen: 55.493 ug/l
RT: 3.929 min Scan# 31
Delta R.T. -0.000 min
Lab File: VW032053.D
Acq: 11 Aug 2025 09:09

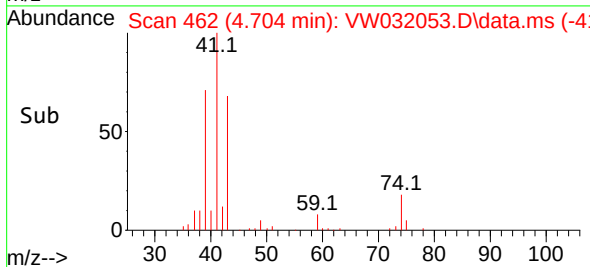
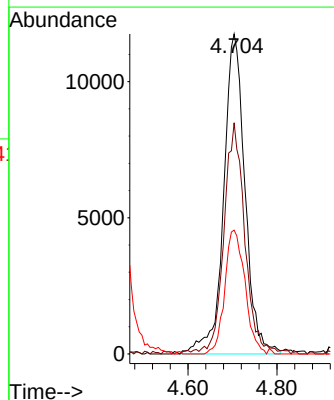
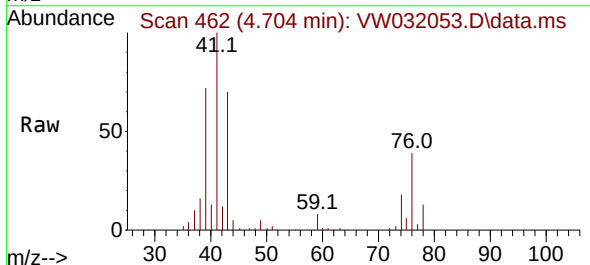
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

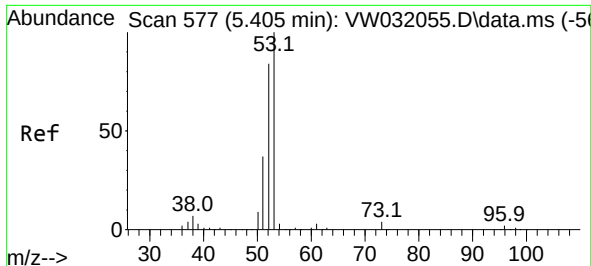
Tgt Ion: 56 Resp: 18650
Ion Ratio Lower Upper
56 100
55 74.5 55.4 83.2



#14
Allyl chloride
Concen: 9.839 ug/l
RT: 4.704 min Scan# 462
Delta R.T. -0.000 min
Lab File: VW032053.D
Acq: 11 Aug 2025 09:09

Tgt Ion: 41 Resp: 39114
Ion Ratio Lower Upper
41 100
39 68.2 54.5 81.7
76 36.6 29.3 43.9

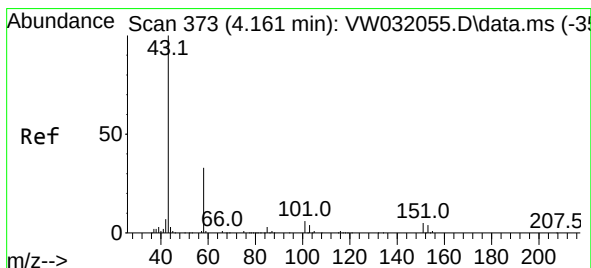
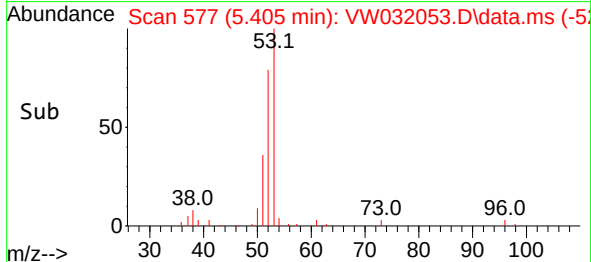
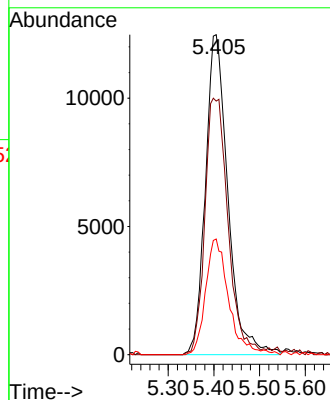
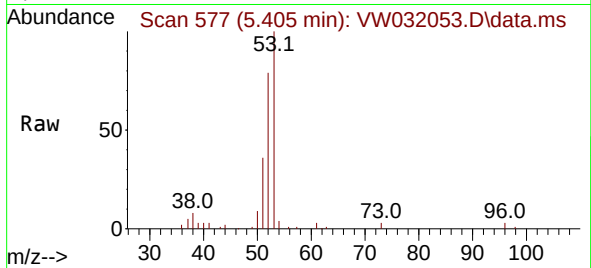




#15
Acrylonitrile
Concen: 51.842 ug/l
RT: 5.405 min Scan# 51
Delta R.T. -0.000 min
Lab File: VW032053.D
Acq: 11 Aug 2025 09:09

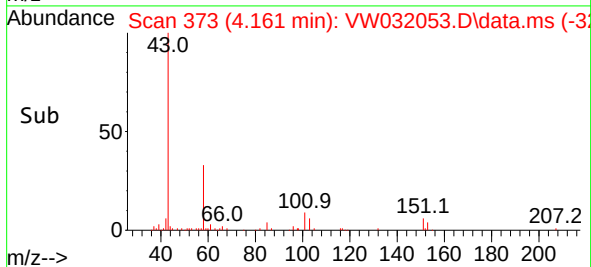
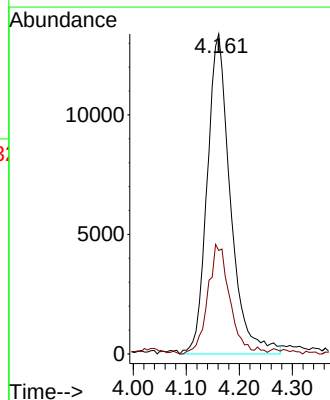
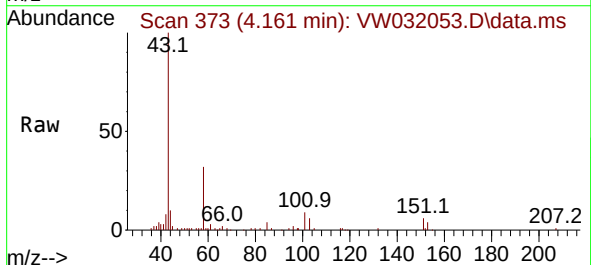
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

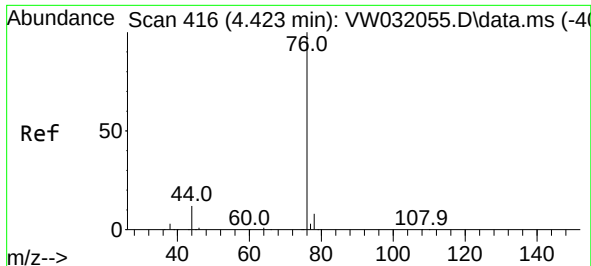
Tgt Ion:	53	Resp:	42536
Ion	Ratio	Lower	Upper
53	100		
52	82.5	66.1	99.1
51	37.3	29.2	43.8



#16
Acetone
Concen: 54.122 ug/l
RT: 4.161 min Scan# 373
Delta R.T. -0.000 min
Lab File: VW032053.D
Acq: 11 Aug 2025 09:09

Tgt Ion:	43	Resp:	40816
Ion	Ratio	Lower	Upper
43	100		
58	32.4	26.6	39.8

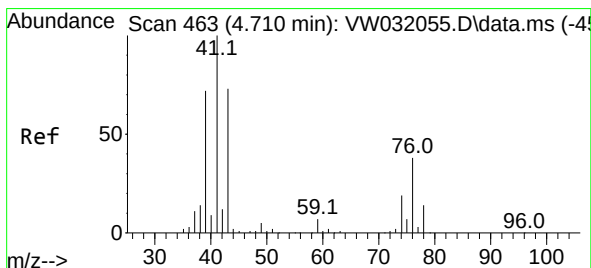
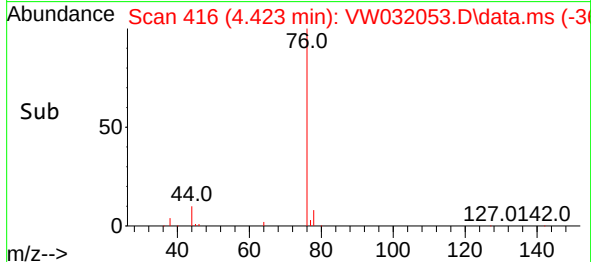
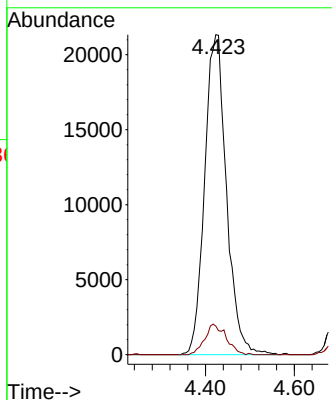
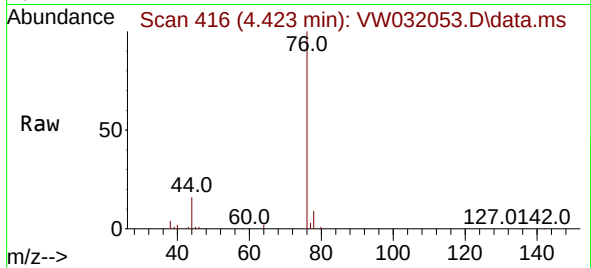




#17
Carbon Disulfide
Concen: 9.931 ug/l
RT: 4.423 min Scan# 416
Delta R.T. -0.000 min
Lab File: VW032053.D
Acq: 11 Aug 2025 09:09

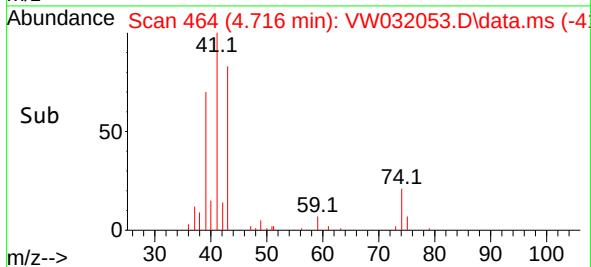
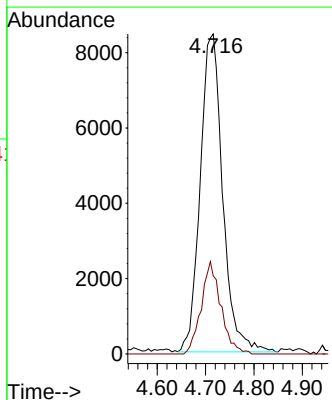
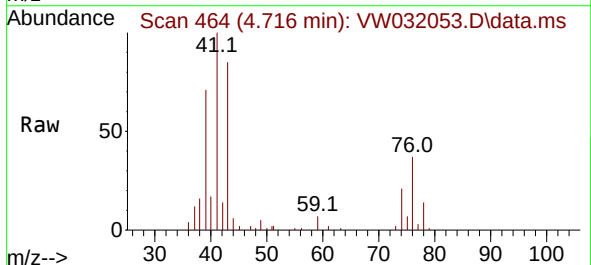
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

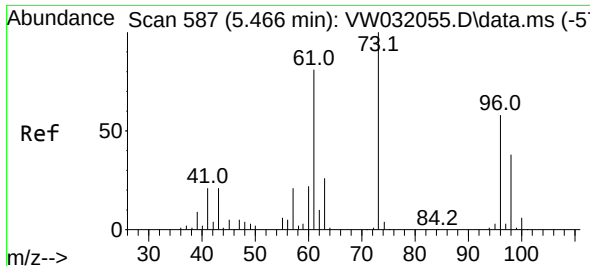
Tgt Ion: 76 Resp: 72806
Ion Ratio Lower Upper
76 100
78 9.0 6.4 9.6



#18
Methyl Acetate
Concen: 11.394 ug/l
RT: 4.716 min Scan# 464
Delta R.T. 0.006 min
Lab File: VW032053.D
Acq: 11 Aug 2025 09:09

Tgt Ion: 43 Resp: 27191
Ion Ratio Lower Upper
43 100
74 25.5 20.6 31.0

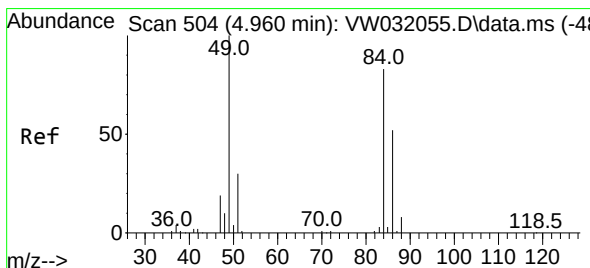
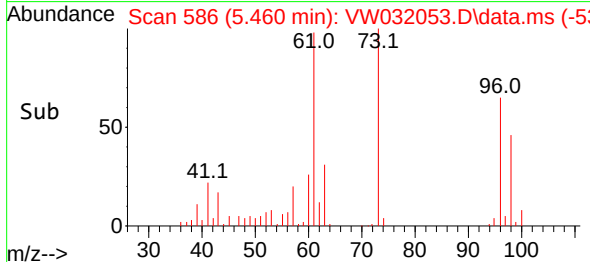
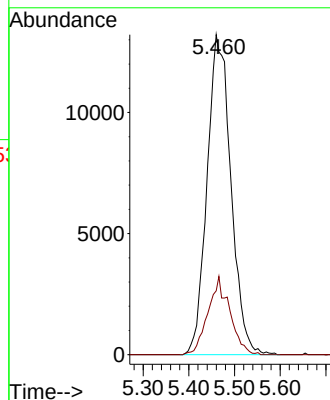
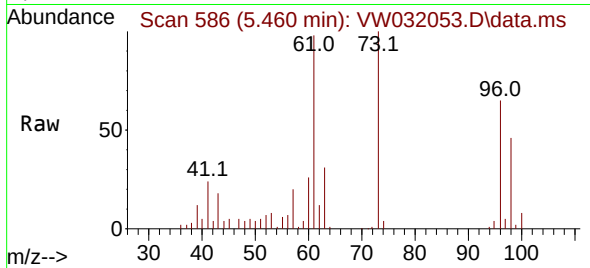




#19
Methyl tert-butyl Ether
Concen: 9.947 ug/l
RT: 5.460 min Scan# 51
Delta R.T. -0.006 min
Lab File: VW032053.D
Acq: 11 Aug 2025 09:09

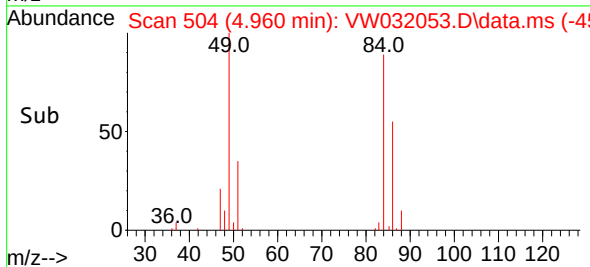
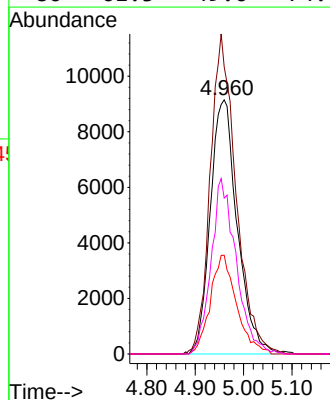
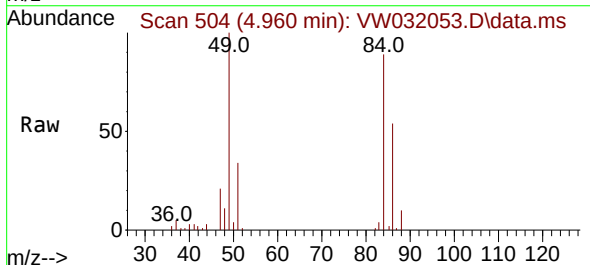
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

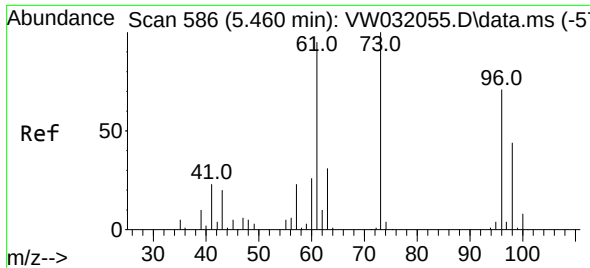
Tgt Ion: 73 Resp: 47872
Ion Ratio Lower Upper
73 100
57 20.0 17.2 25.8



#20
Methylene Chloride
Concen: 10.170 ug/l
RT: 4.960 min Scan# 504
Delta R.T. -0.000 min
Lab File: VW032053.D
Acq: 11 Aug 2025 09:09

Tgt Ion: 84 Resp: 35462
Ion Ratio Lower Upper
84 100
49 113.0 95.9 143.9
51 38.9 28.6 43.0
86 61.3 49.6 74.4

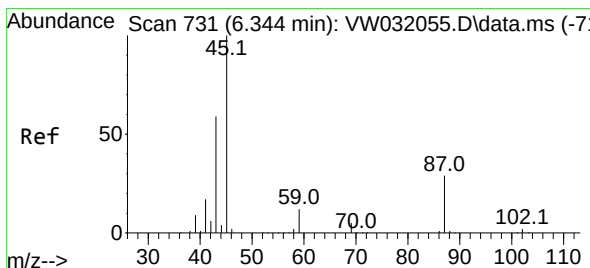
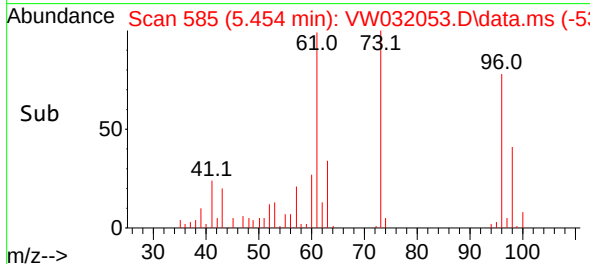
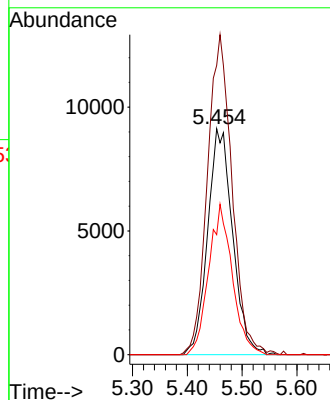
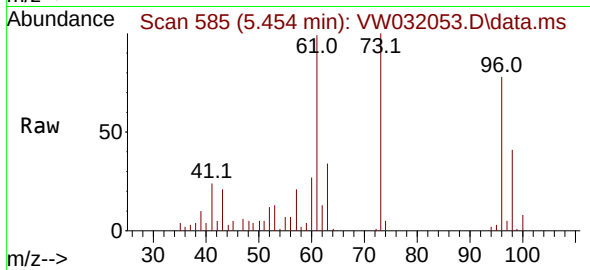




#21
trans-1,2-Dichloroethene
Concen: 9.962 ug/l
RT: 5.454 min Scan# 586
Delta R.T. -0.006 min
Lab File: VW032053.D
Acq: 11 Aug 2025 09:09

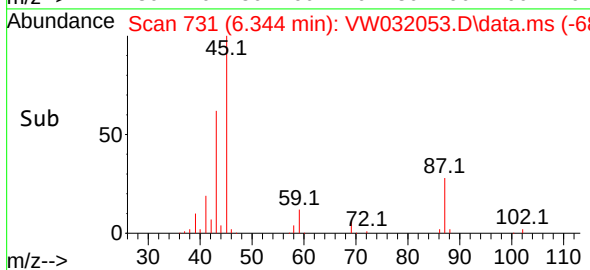
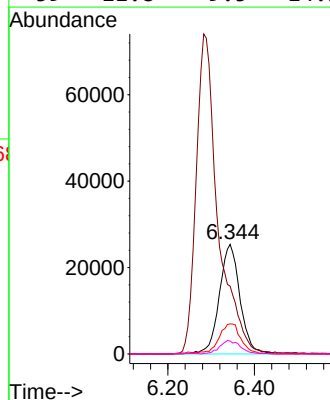
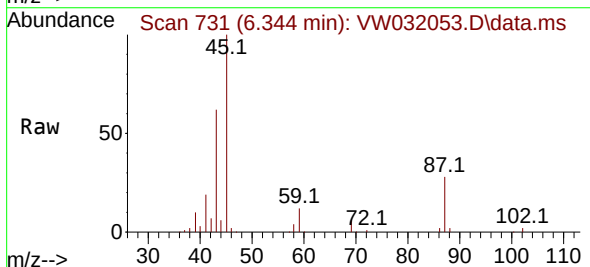
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

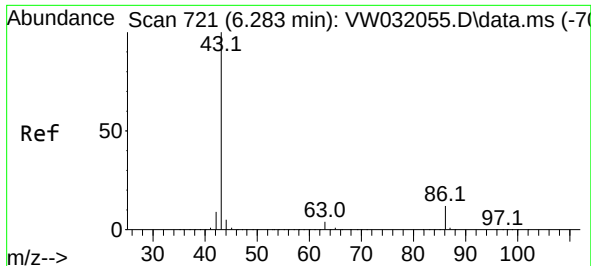
Tgt Ion: 96 Resp: 28875
Ion Ratio Lower Upper
96 100
61 128.0 106.8 160.2
98 53.2 49.6 74.4



#22
Diisopropyl ether
Concen: 10.029 ug/l
RT: 6.344 min Scan# 731
Delta R.T. -0.000 min
Lab File: VW032053.D
Acq: 11 Aug 2025 09:09

Tgt Ion: 45 Resp: 84045
Ion Ratio Lower Upper
45 100
43 61.0 47.0 70.4
87 27.5 23.8 35.8
59 11.8 9.5 14.3

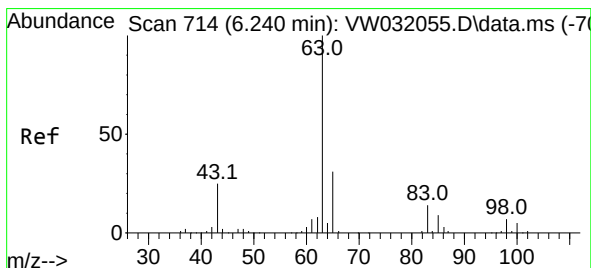
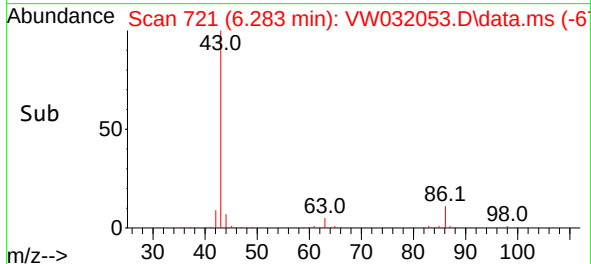
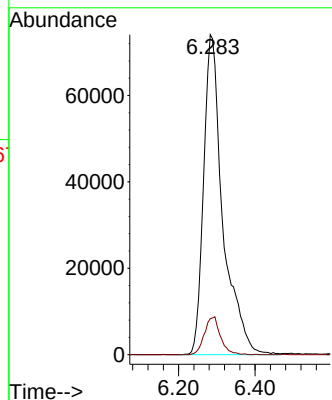
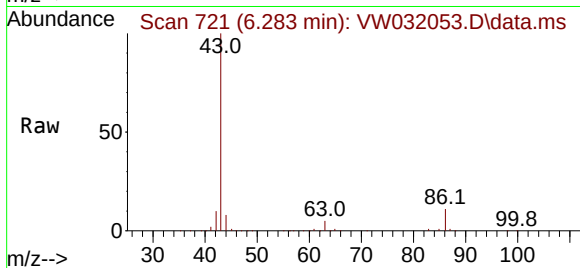




#23
 Vinyl Acetate
 Concen: 47.081 ug/l
 RT: 6.283 min Scan# 721
 Delta R.T. -0.000 min
 Lab File: VW032053.D
 Acq: 11 Aug 2025 09:09

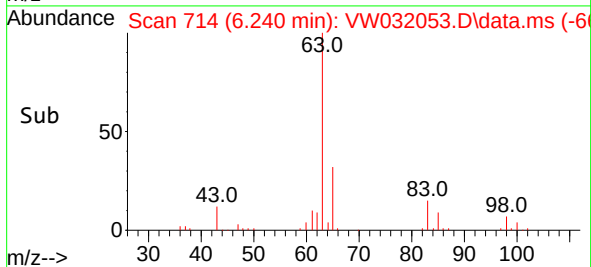
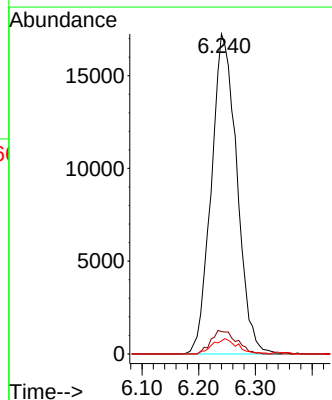
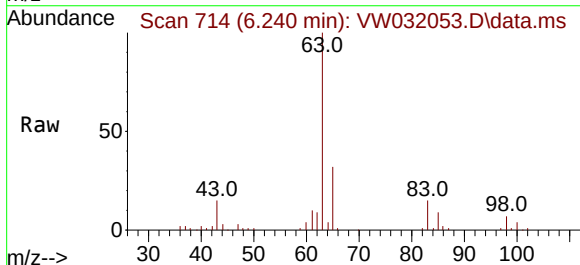
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

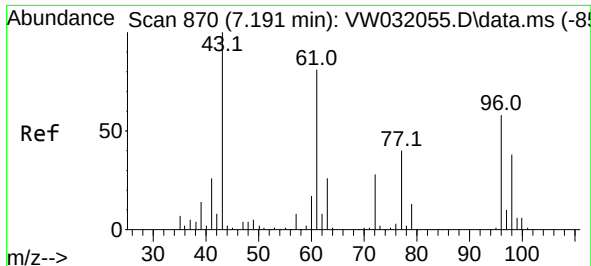
Tgt Ion: 43 Resp: 259050
 Ion Ratio Lower Upper
 43 100
 86 11.2 9.4 14.0



#24
 1,1-Dichloroethane
 Concen: 10.095 ug/l
 RT: 6.240 min Scan# 714
 Delta R.T. -0.000 min
 Lab File: VW032053.D
 Acq: 11 Aug 2025 09:09

Tgt Ion: 63 Resp: 54051
 Ion Ratio Lower Upper
 63 100
 98 7.0 3.7 11.1
 100 4.1 2.5 7.4





#25

2-Butanone

Concen: 50.685 ug/l

RT: 7.197 min Scan# 81

Delta R.T. 0.006 min

Lab File: VW032053.D

Acq: 11 Aug 2025 09:09

Instrument :

MSVOA_W

ClientSampleId :

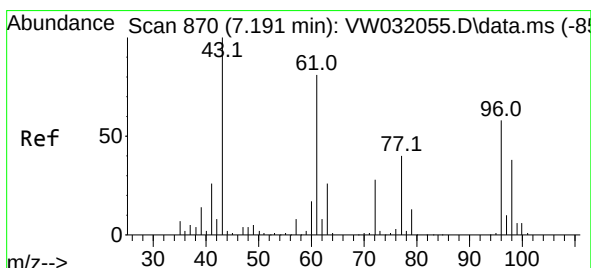
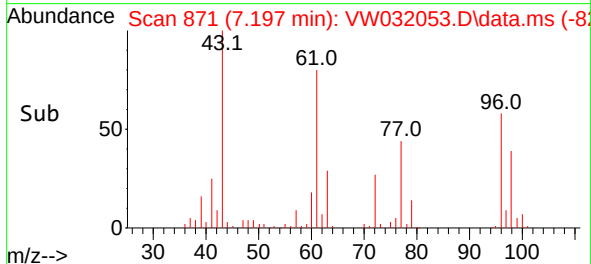
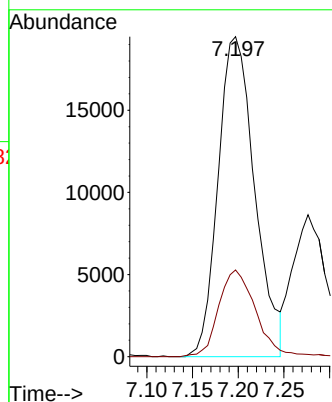
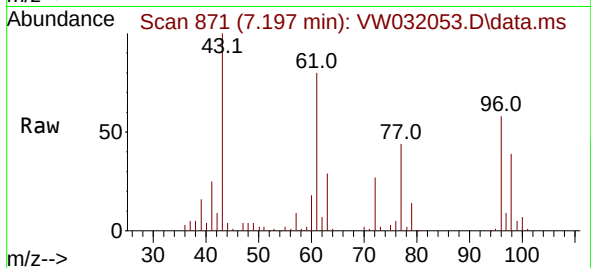
VSTDICC010

Tgt Ion: 43 Resp: 54327

Ion Ratio Lower Upper

43 100

72 27.1 22.3 33.5



#26

2,2-Dichloropropane

Concen: 10.224 ug/l

RT: 7.185 min Scan# 869

Delta R.T. -0.006 min

Lab File: VW032053.D

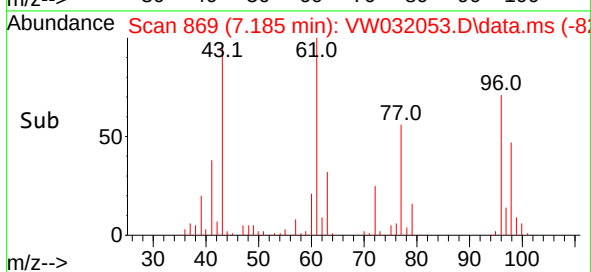
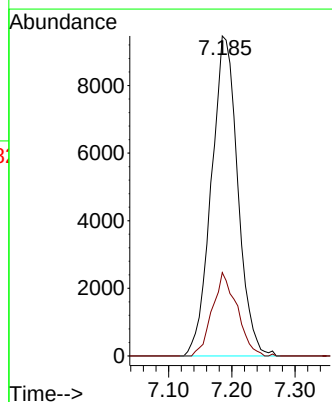
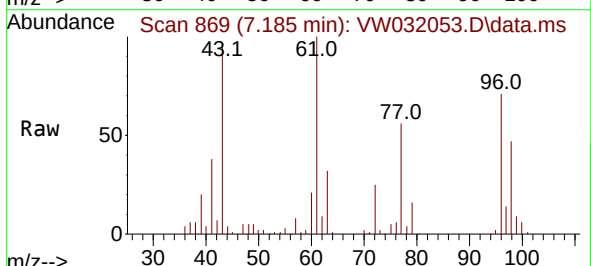
Acq: 11 Aug 2025 09:09

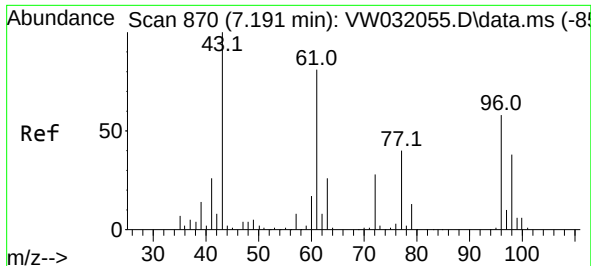
Tgt Ion: 77 Resp: 27463

Ion Ratio Lower Upper

77 100

97 24.5 12.3 36.9





#27

cis-1,2-Dichloroethene

Concen: 9.791 ug/l

RT: 7.191 min Scan# 870

Delta R.T. -0.000 min

Lab File: VW032053.D

Acq: 11 Aug 2025 09:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

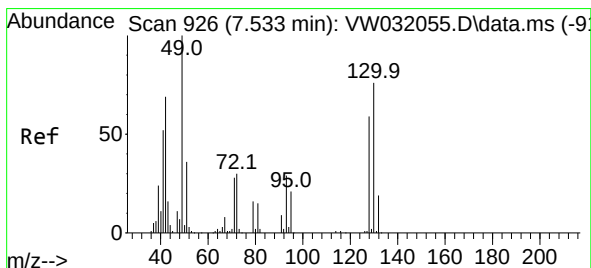
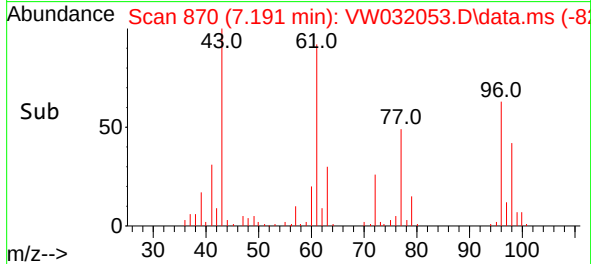
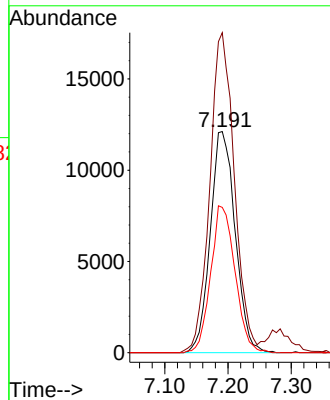
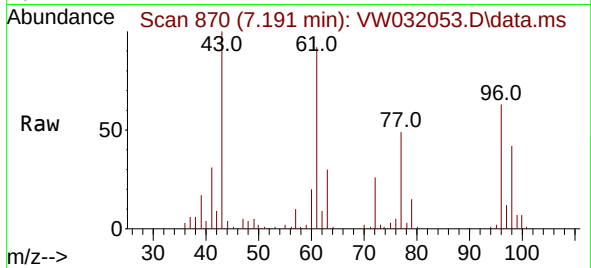
Tgt Ion: 96 Resp: 33173

Ion Ratio Lower Upper

96 100

61 142.3 0.0 281.2

98 64.9 0.0 130.8



#28

Bromochloromethane

Concen: 10.019 ug/l

RT: 7.532 min Scan# 926

Delta R.T. -0.000 min

Lab File: VW032053.D

Acq: 11 Aug 2025 09:09

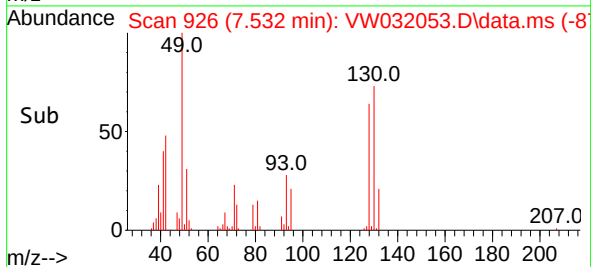
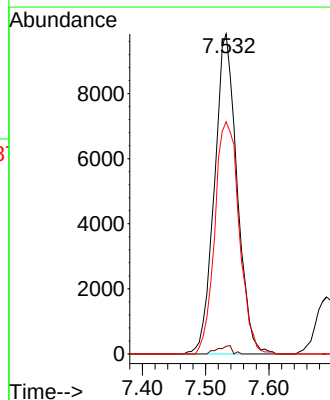
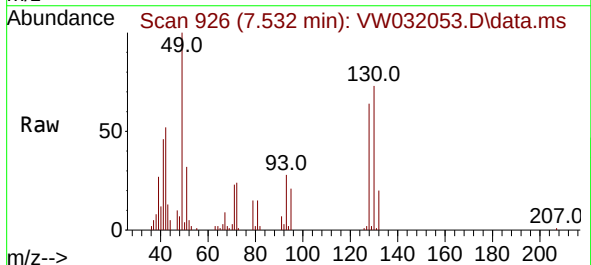
Tgt Ion: 49 Resp: 24412

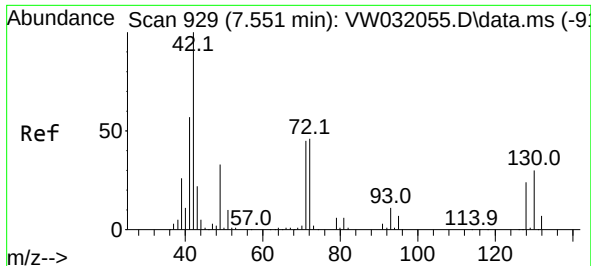
Ion Ratio Lower Upper

49 100

129 1.6 0.0 4.2

130 78.2 61.9 92.9





#29

Tetrahydrofuran

Concen: 50.800 ug/l

RT: 7.557 min Scan# 91

Delta R.T. 0.006 min

Lab File: VW032053.D

Acq: 11 Aug 2025 09:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC010

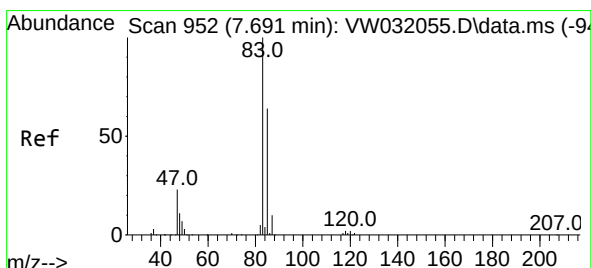
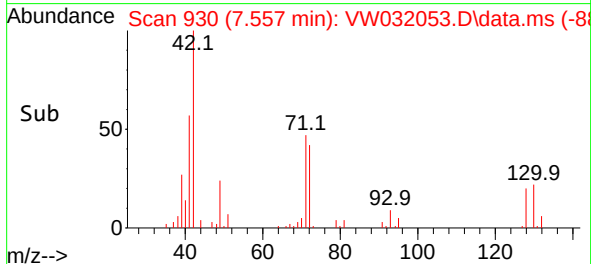
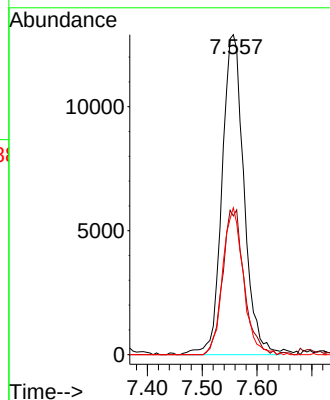
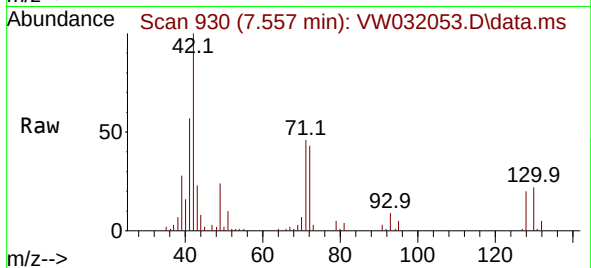
Tgt Ion: 42 Resp: 35909

Ion Ratio Lower Upper

42 100

72 44.5 36.6 55.0

71 43.3 34.7 52.1



#30

Chloroform

Concen: 10.071 ug/l

RT: 7.697 min Scan# 953

Delta R.T. 0.006 min

Lab File: VW032053.D

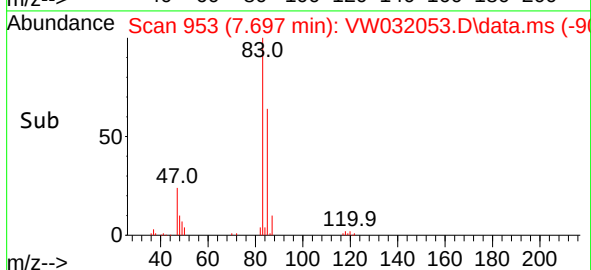
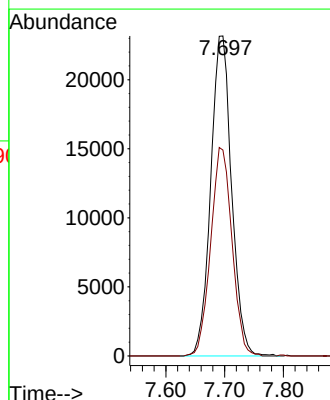
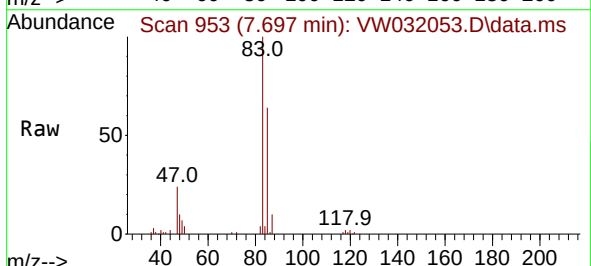
Acq: 11 Aug 2025 09:09

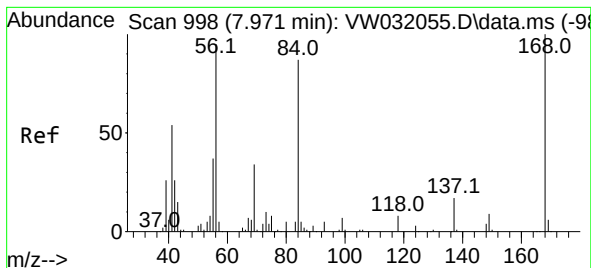
Tgt Ion: 83 Resp: 57170

Ion Ratio Lower Upper

83 100

85 64.3 51.0 76.4





#31

Cyclohexane

Concen: 10.477 ug/l

RT: 7.971 min Scan# 998

Delta R.T. -0.000 min

Lab File: VW032053.D

Acq: 11 Aug 2025 09:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC010

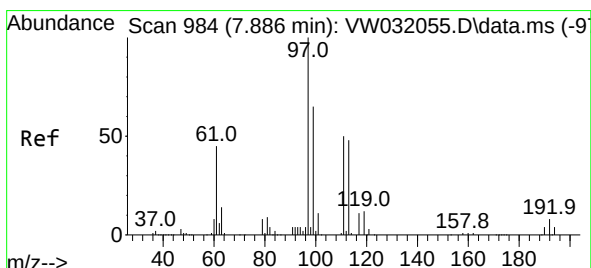
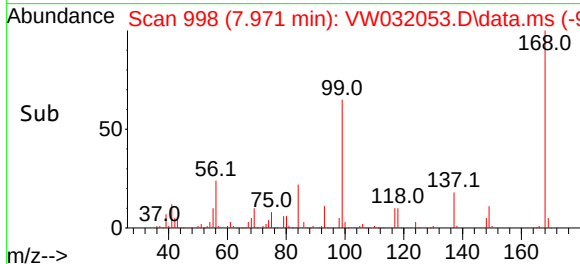
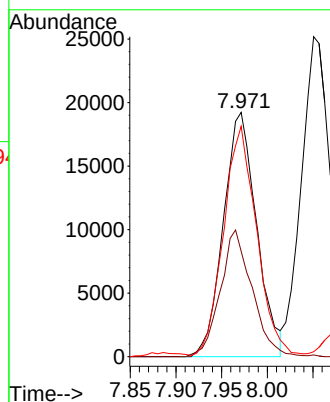
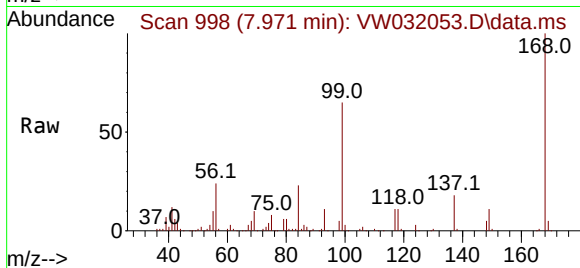
Tgt Ion: 56 Resp: 48633

Ion Ratio Lower Upper

56 100

69 43.1 28.6 42.8#

84 93.2 73.0 109.4



#32

1,1,1-Trichloroethane

Concen: 10.368 ug/l

RT: 7.886 min Scan# 984

Delta R.T. -0.000 min

Lab File: VW032053.D

Acq: 11 Aug 2025 09:09

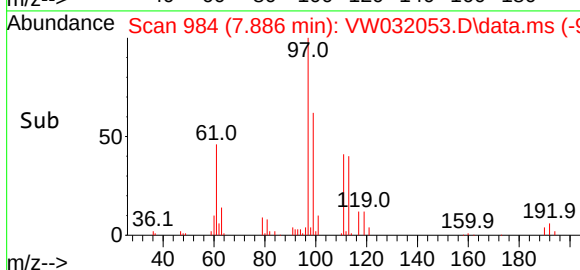
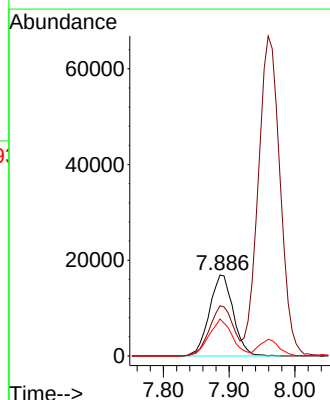
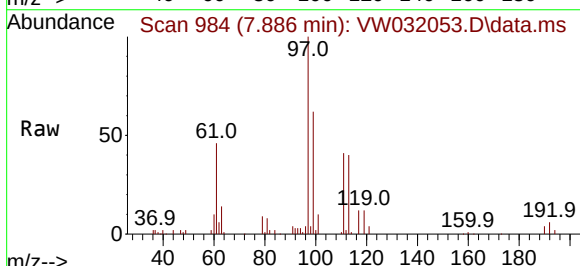
Tgt Ion: 97 Resp: 42747

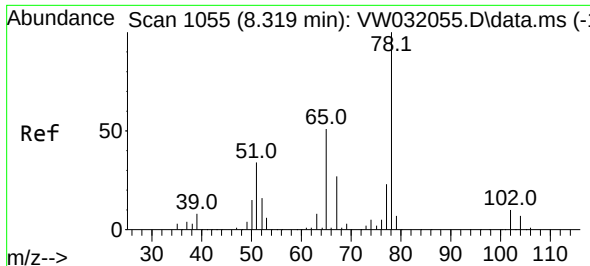
Ion Ratio Lower Upper

97 100

99 61.1 51.8 77.8

61 45.0 35.9 53.9

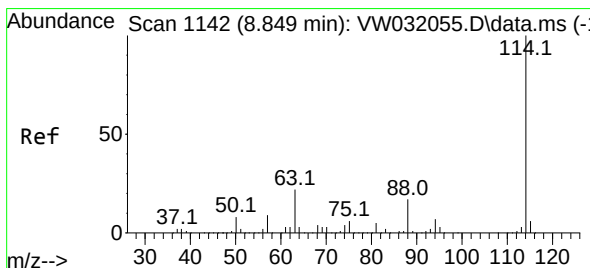
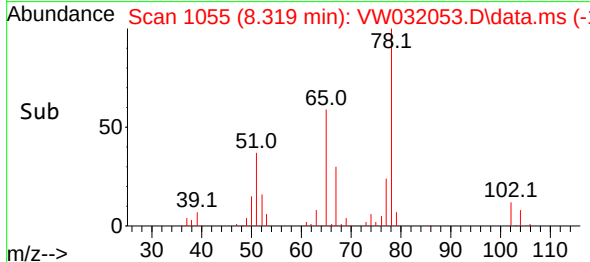
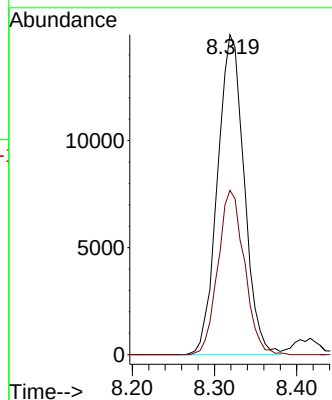
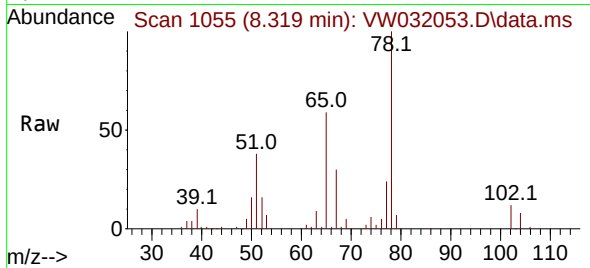




#33
1,2-Dichloroethane-d4
Concen: 10.337 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VW032053.D
Acq: 11 Aug 2025 09:09

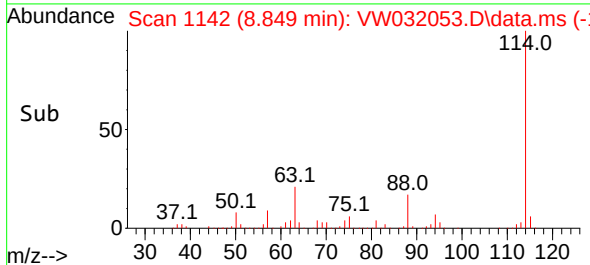
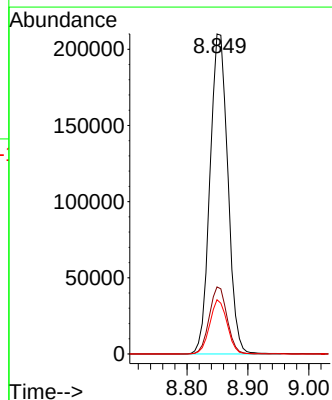
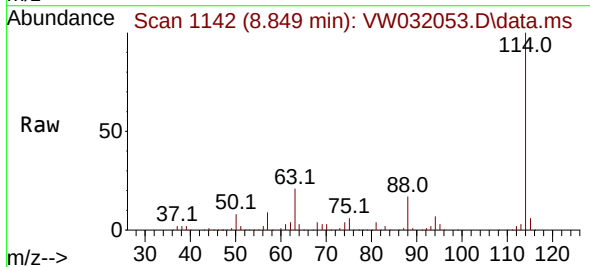
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

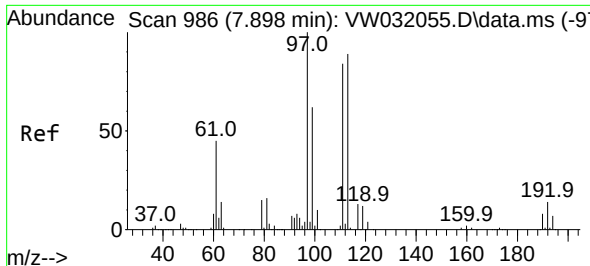
Tgt Ion: 65 Resp: 33671
Ion Ratio Lower Upper
65 100
67 51.0 0.0 102.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 1142
Delta R.T. -0.000 min
Lab File: VW032053.D
Acq: 11 Aug 2025 09:09

Tgt Ion: 114 Resp: 426784
Ion Ratio Lower Upper
114 100
63 21.0 0.0 43.0
88 17.0 0.0 33.8

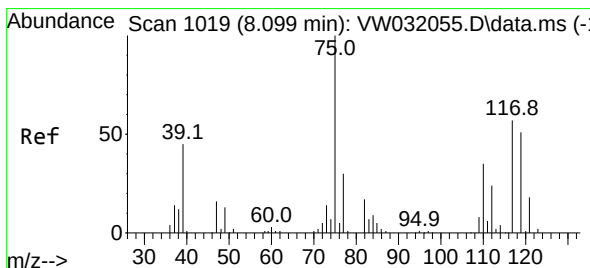
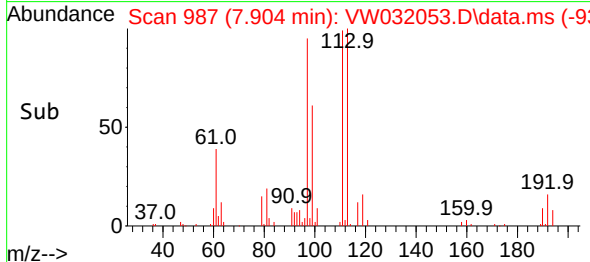
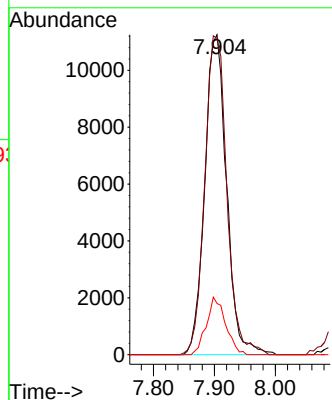
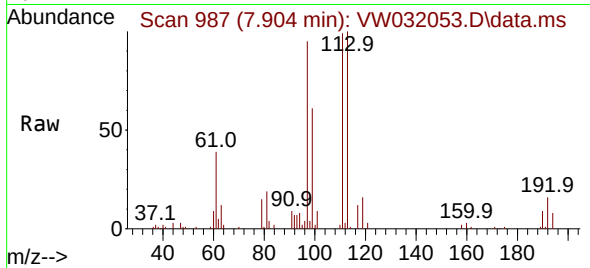




#35
Dibromofluoromethane
Concen: 10.147 ug/l
RT: 7.904 min Scan# 91
Delta R.T. 0.006 min
Lab File: VW032053.D
Acq: 11 Aug 2025 09:09

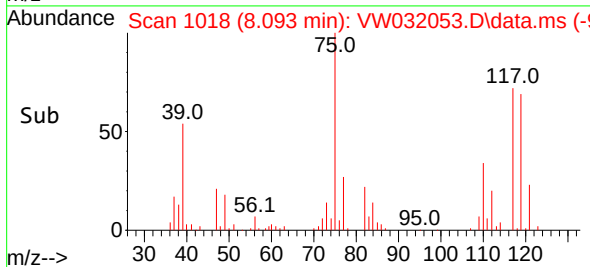
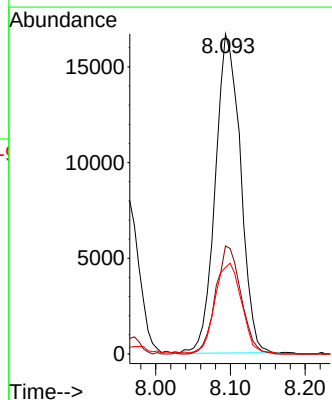
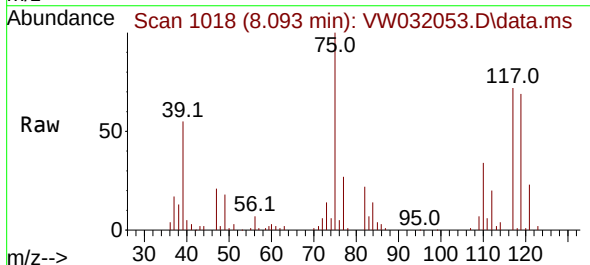
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

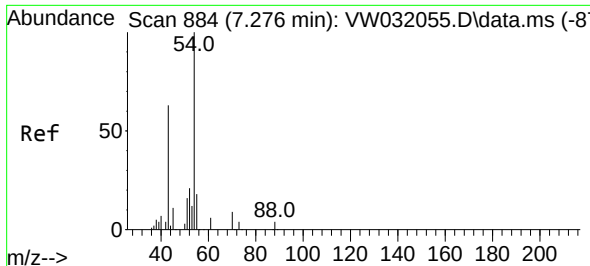
Tgt Ion:113 Resp: 27978
Ion Ratio Lower Upper
113 100
111 101.3 80.1 120.1
192 15.8 13.1 19.7



#36
1,1-Dichloropropene
Concen: 10.032 ug/l
RT: 8.093 min Scan# 1018
Delta R.T. -0.006 min
Lab File: VW032053.D
Acq: 11 Aug 2025 09:09

Tgt Ion: 75 Resp: 38994
Ion Ratio Lower Upper
75 100
110 34.1 17.4 52.2
77 30.6 24.7 37.1

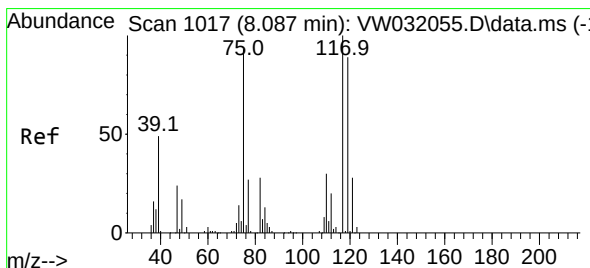
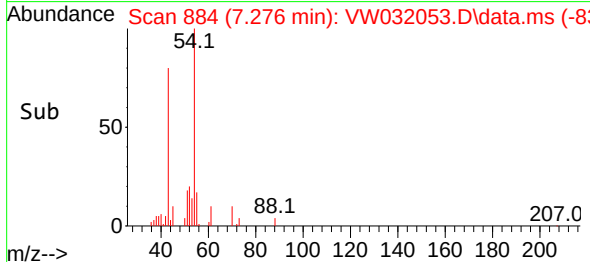
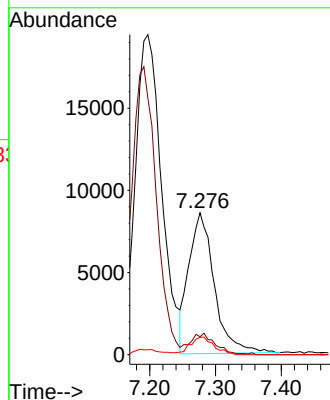
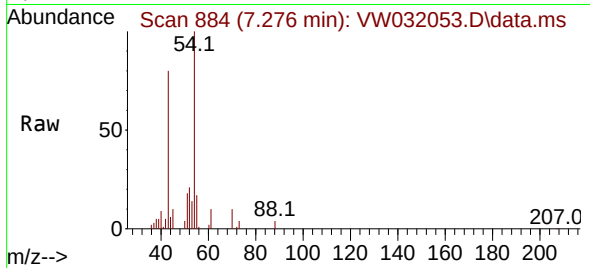




#37
Ethyl Acetate
Concen: 10.070 ug/l
RT: 7.276 min Scan# 884
Delta R.T. -0.000 min
Lab File: VW032053.D
Acq: 11 Aug 2025 09:09

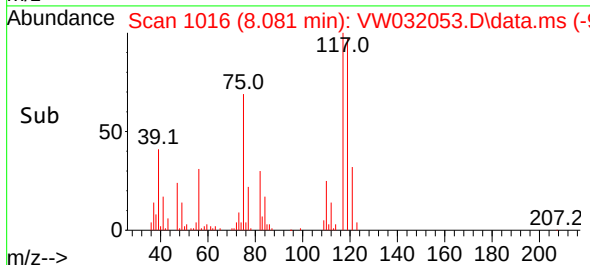
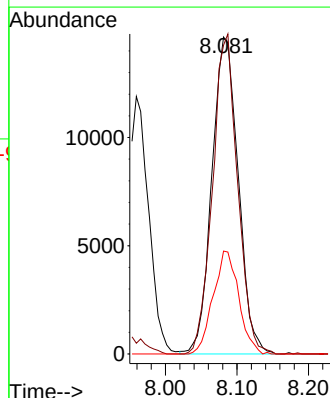
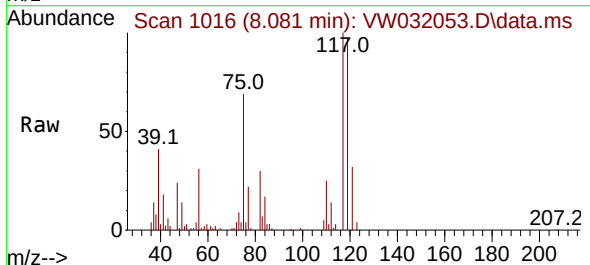
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

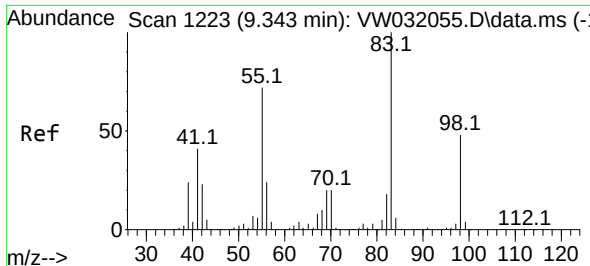
Tgt Ion:	43	Resp:	23053
Ion	Ratio	Lower	Upper
43	100		
61	11.8	11.8	17.6
70	11.8	9.4	14.0



#38
Carbon Tetrachloride
Concen: 10.007 ug/l
RT: 8.081 min Scan# 1016
Delta R.T. -0.006 min
Lab File: VW032053.D
Acq: 11 Aug 2025 09:09

Tgt Ion:	117	Resp:	37535
Ion	Ratio	Lower	Upper
117	100		
119	97.5	71.4	107.2
121	32.5	22.3	33.5





#39

Methylcyclohexane

Concen: 9.731 ug/l

RT: 9.343 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW032053.D

Acq: 11 Aug 2025 09:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

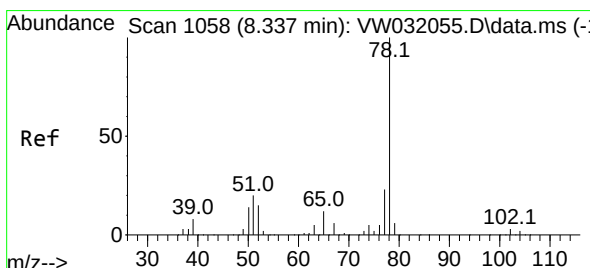
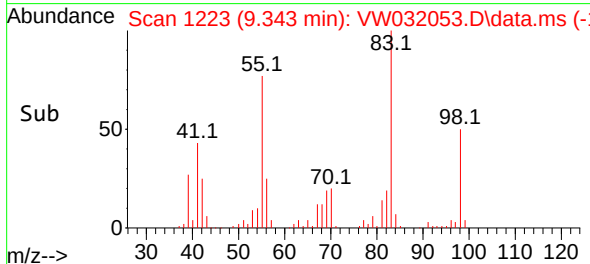
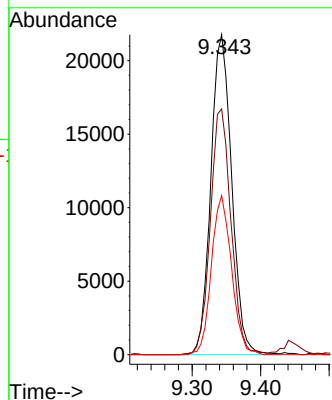
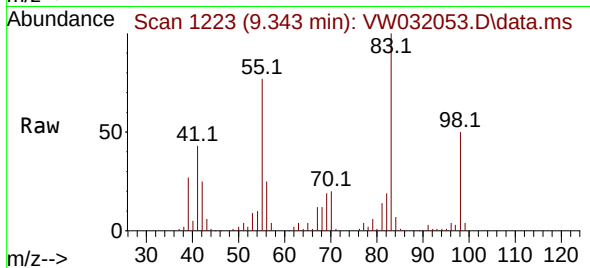
Tgt Ion: 83 Resp: 46100

Ion Ratio Lower Upper

83 100

55 76.8 57.9 86.9

98 49.7 38.3 57.5



#40

Benzene

Concen: 10.053 ug/l

RT: 8.337 min Scan# 1058

Delta R.T. -0.000 min

Lab File: VW032053.D

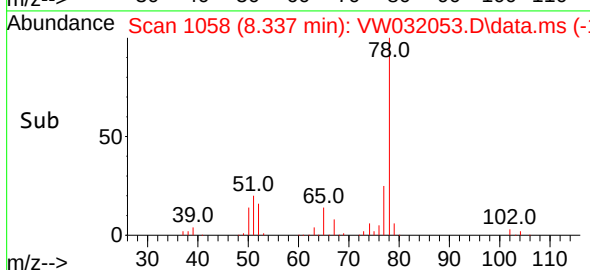
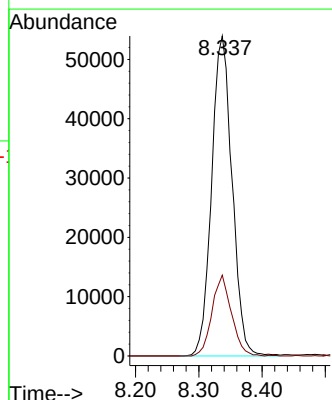
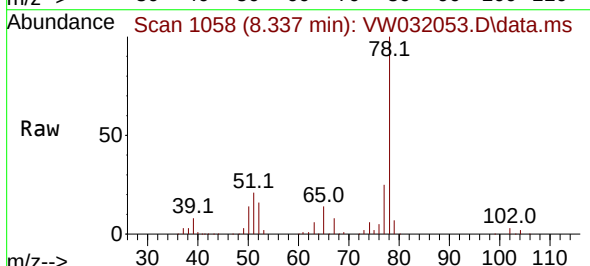
Acq: 11 Aug 2025 09:09

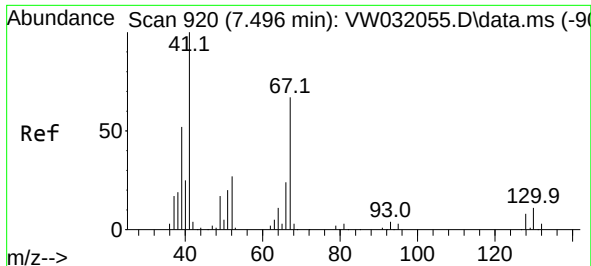
Tgt Ion: 78 Resp: 121462

Ion Ratio Lower Upper

78 100

77 25.3 18.4 27.6

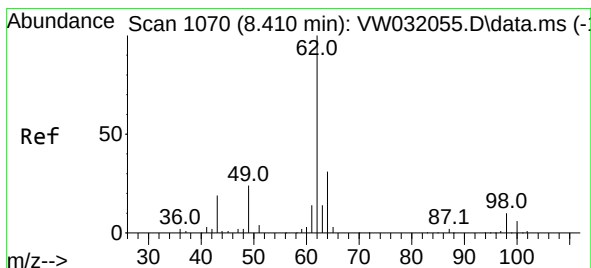
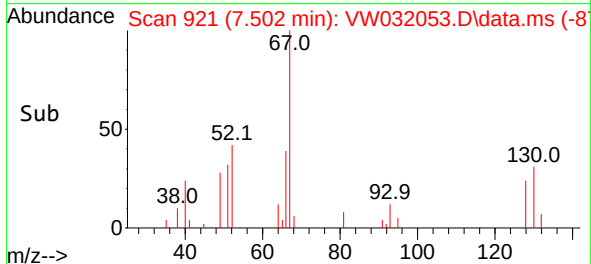
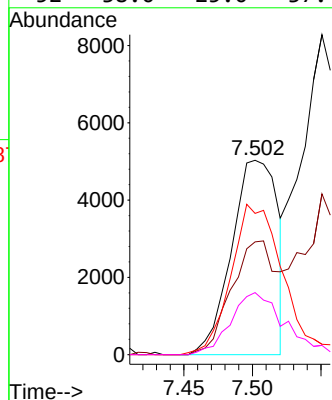
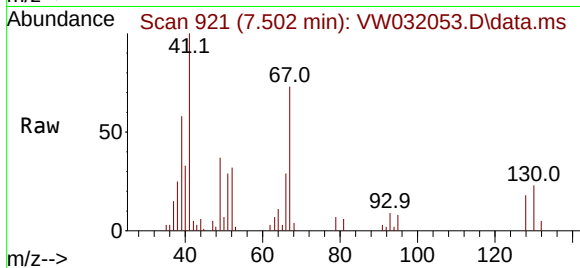




#41
Methacrylonitrile
Concen: 9.035 ug/l
RT: 7.502 min Scan# 91
Delta R.T. 0.006 min
Lab File: VW032053.D
Acq: 11 Aug 2025 09:09

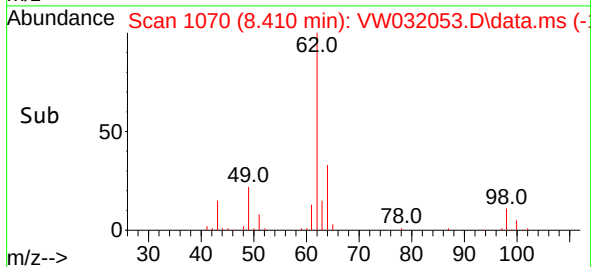
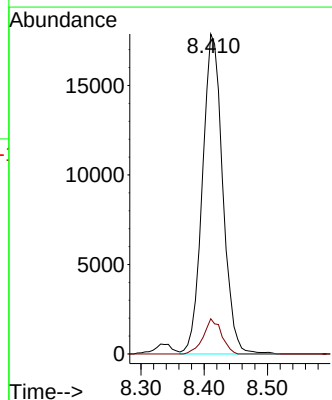
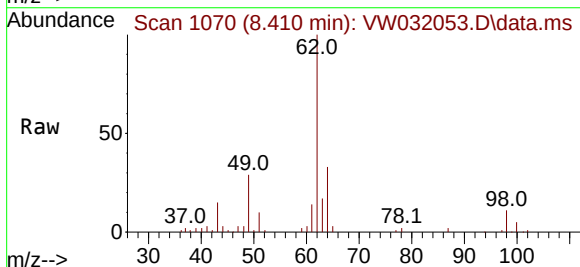
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

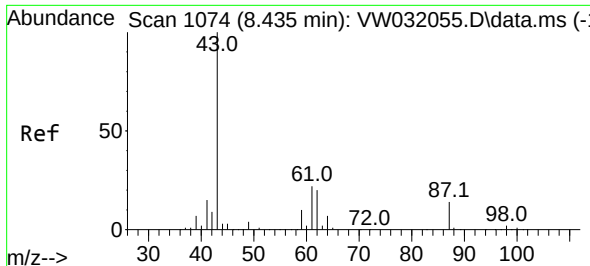
Tgt Ion:	41	Resp:	11729
Ion	Ratio	Lower	Upper
41	100		
39	57.4	42.6	63.8
67	87.3	61.0	91.4
52	38.0	25.0	37.4



#42
1,2-Dichloroethane
Concen: 10.316 ug/l
RT: 8.410 min Scan# 1070
Delta R.T. -0.000 min
Lab File: VW032053.D
Acq: 11 Aug 2025 09:09

Tgt Ion:	62	Resp:	39882
Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	19.8

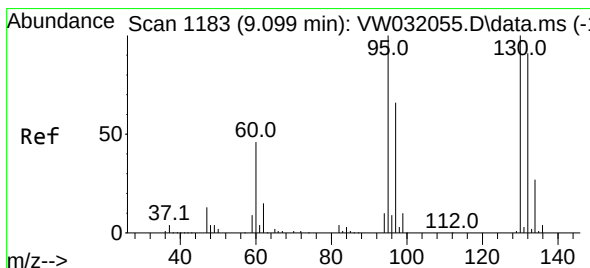
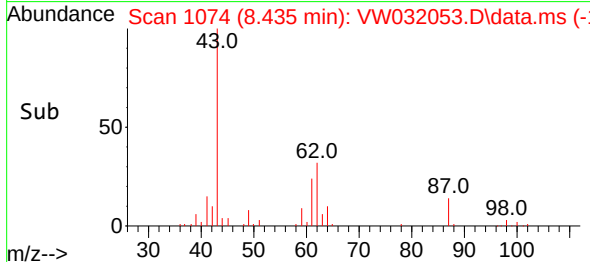
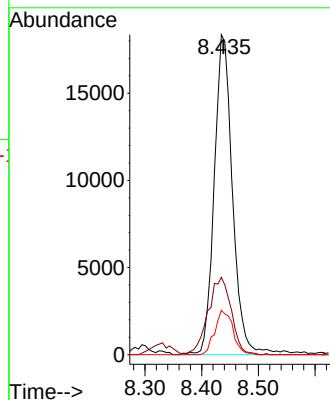
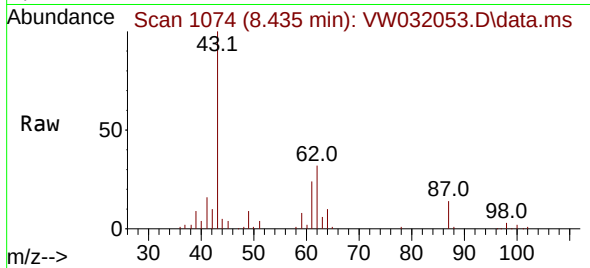




#43
Isopropyl Acetate
Concen: 9.743 ug/l
RT: 8.435 min Scan# 1074
Delta R.T. -0.000 min
Lab File: VW032053.D
Acq: 11 Aug 2025 09:09

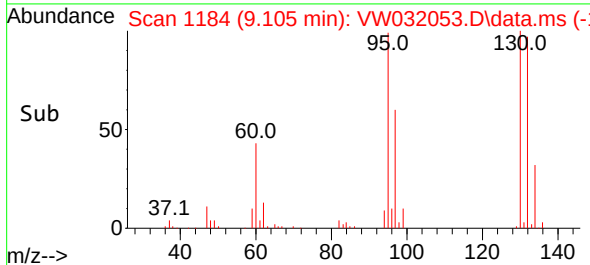
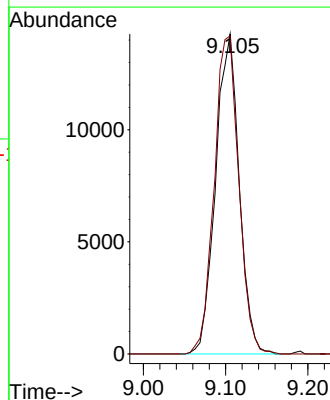
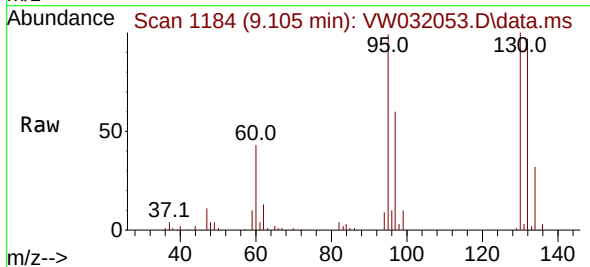
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

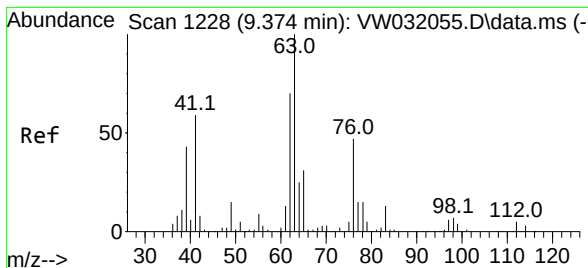
Tgt Ion:	43	Resp:	41036
Ion	Ratio	Lower	Upper
43	100		
61	30.5	23.8	35.8
87	13.7	11.7	17.5



#44
Trichloroethene
Concen: 9.905 ug/l
RT: 9.105 min Scan# 1184
Delta R.T. 0.006 min
Lab File: VW032053.D
Acq: 11 Aug 2025 09:09

Tgt Ion:	130	Resp:	28498
Ion	Ratio	Lower	Upper
130	100		
95	99.4	0.0	200.6





#45

1,2-Dichloropropane

Concen: 10.004 ug/l

RT: 9.374 min Scan# 1228

Delta R.T. -0.000 min

Lab File: VW032053.D

Acq: 11 Aug 2025 09:09

Instrument :

MSVOA_W

ClientSampleId :

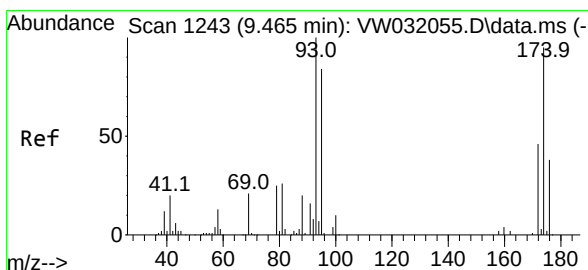
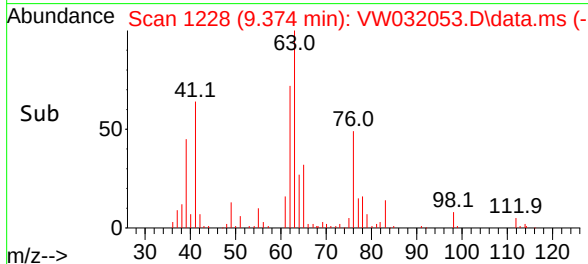
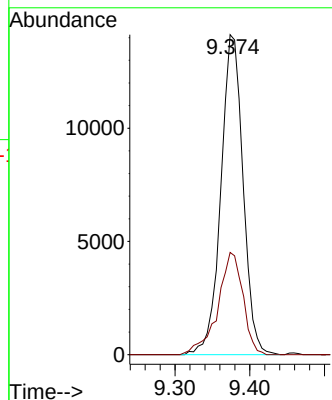
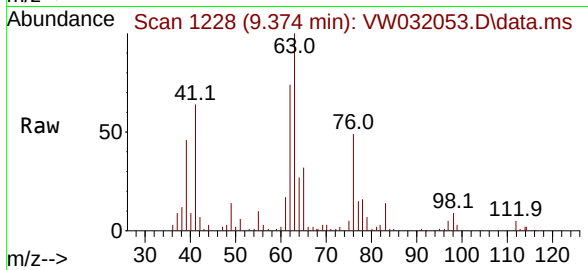
VSTDIC010

Tgt Ion: 63 Resp: 29199

Ion Ratio Lower Upper

63 100

65 31.9 24.6 36.8



#46

Dibromomethane

Concen: 9.901 ug/l

RT: 9.471 min Scan# 1244

Delta R.T. 0.006 min

Lab File: VW032053.D

Acq: 11 Aug 2025 09:09

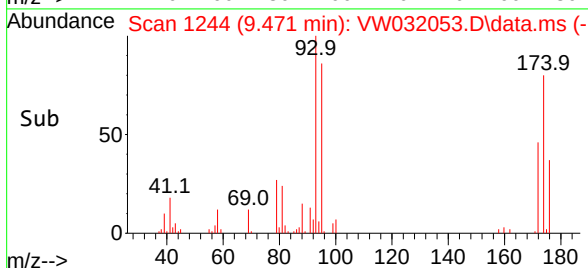
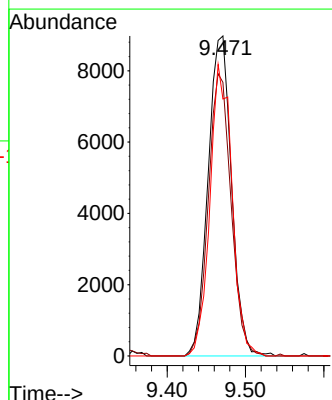
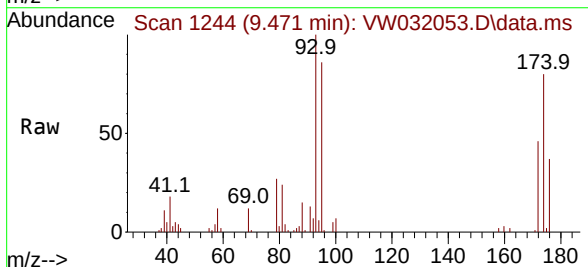
Tgt Ion: 93 Resp: 18653

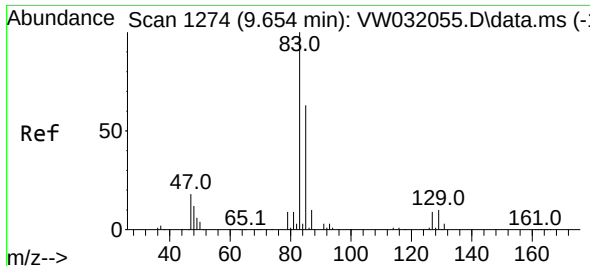
Ion Ratio Lower Upper

93 100

95 85.8 65.3 97.9

174 85.7 68.6 102.8

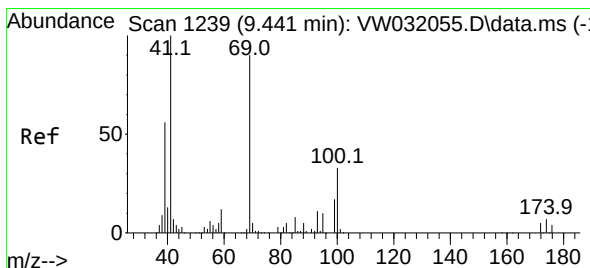
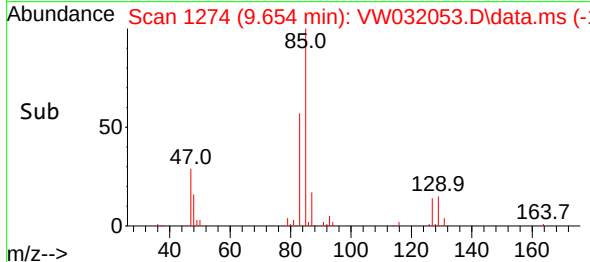
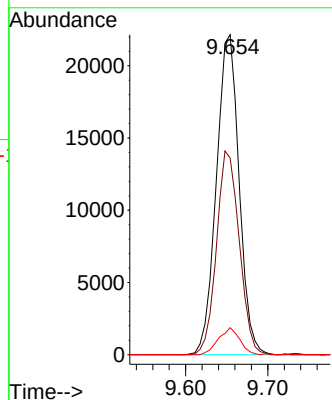
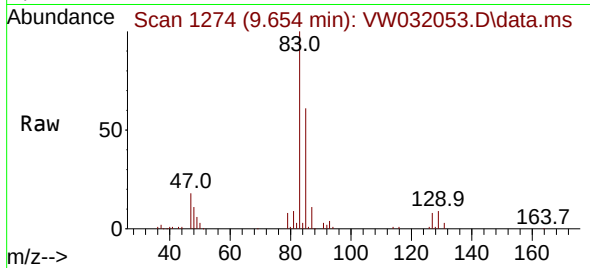




#47
Bromodichloromethane
Concen: 9.818 ug/l
RT: 9.654 min Scan# 1274
Delta R.T. -0.000 min
Lab File: VW032053.D
Acq: 11 Aug 2025 09:09

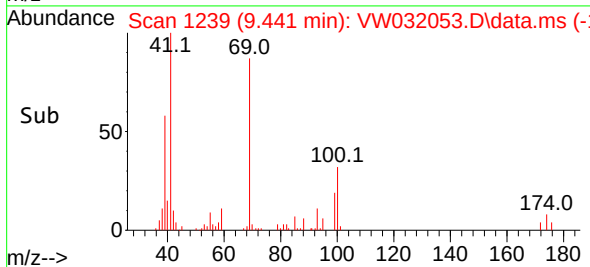
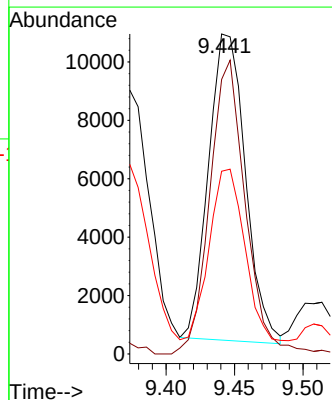
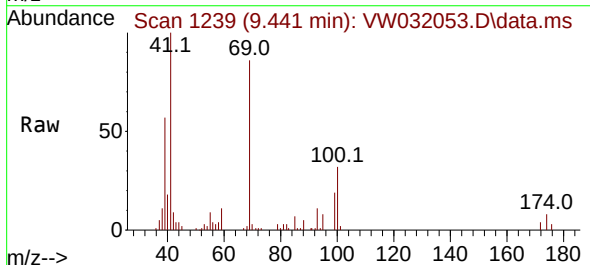
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

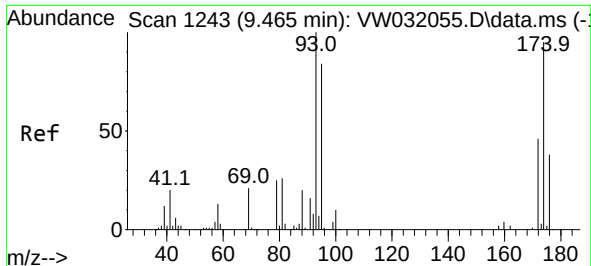
Tgt Ion:	83	Resp:	42618
Ion	Ratio	Lower	Upper
83	100		
85	61.5	50.6	75.8
127	8.5	6.9	10.3



#48
Methyl methacrylate
Concen: 9.666 ug/l
RT: 9.441 min Scan# 1239
Delta R.T. -0.000 min
Lab File: VW032053.D
Acq: 11 Aug 2025 09:09

Tgt Ion:	41	Resp:	19654
Ion	Ratio	Lower	Upper
41	100		
69	92.9	73.0	109.6
39	55.1	45.0	67.4

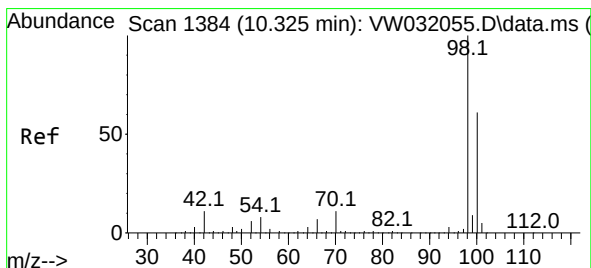
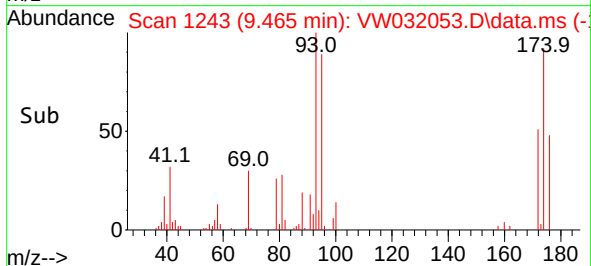
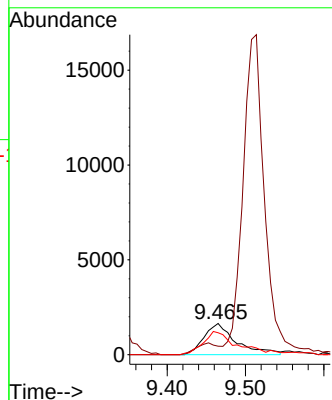
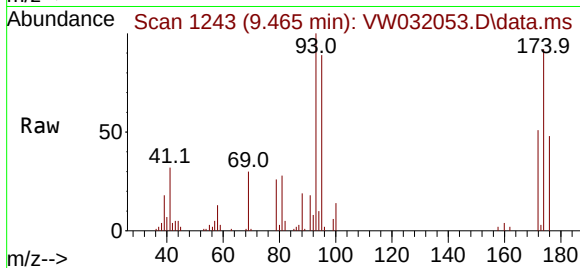




#49
 1,4-Dioxane
 Concen: 192.302 ug/l
 RT: 9.465 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VW032053.D
 Acq: 11 Aug 2025 09:09

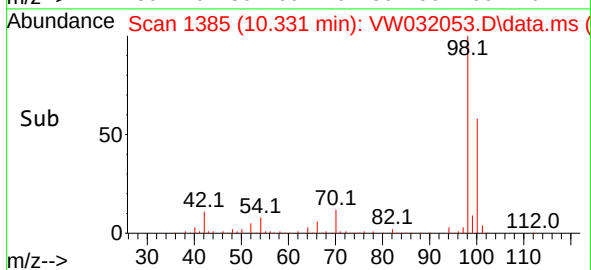
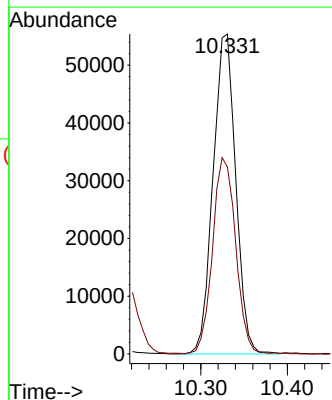
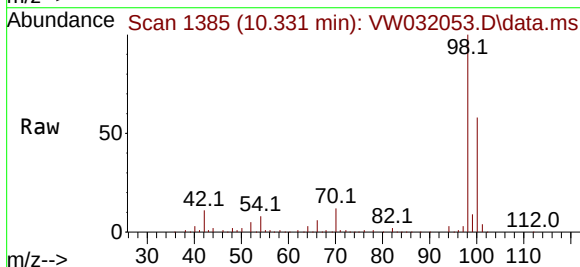
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC010

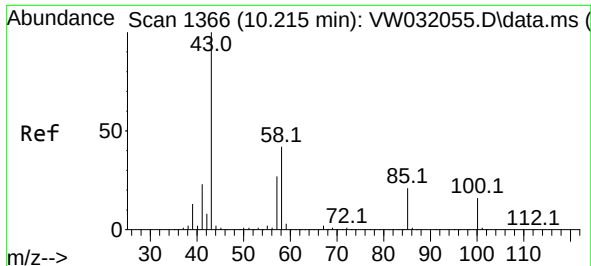
Tgt Ion: 88 Resp: 4684
 Ion Ratio Lower Upper
 88 100
 43 27.6 20.6 30.8
 58 75.1 60.4 90.6



#50
 Toluene-d8
 Concen: 9.875 ug/l
 RT: 10.331 min Scan# 1385
 Delta R.T. 0.006 min
 Lab File: VW032053.D
 Acq: 11 Aug 2025 09:09

Tgt Ion: 98 Resp: 100702
 Ion Ratio Lower Upper
 98 100
 100 62.7 51.1 76.7

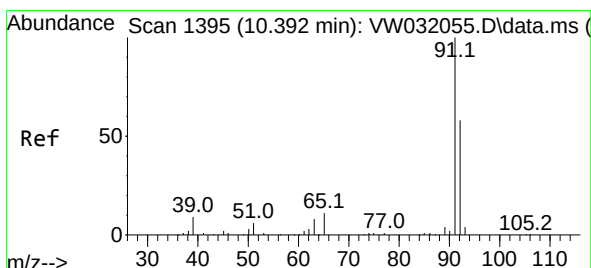
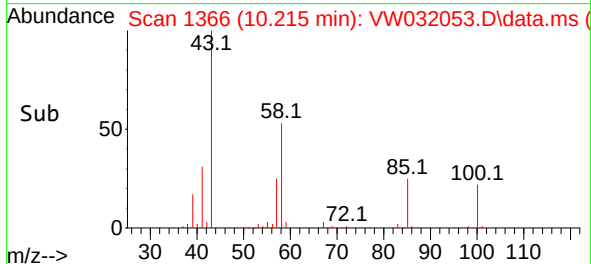
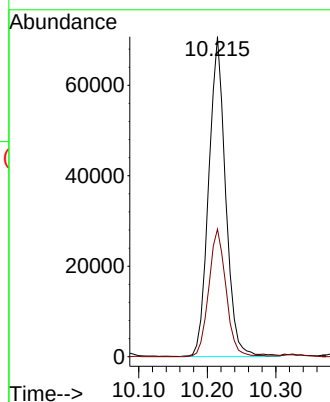
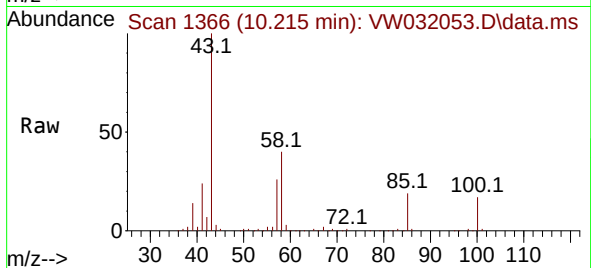




#51
4-Methyl-2-Pentanone
Concen: 51.075 ug/l
RT: 10.215 min Scan# 1366
Delta R.T. -0.000 min
Lab File: VW032053.D
Acq: 11 Aug 2025 09:09

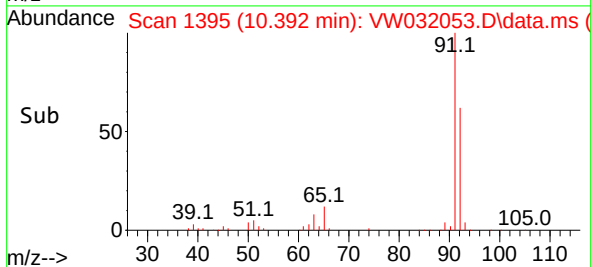
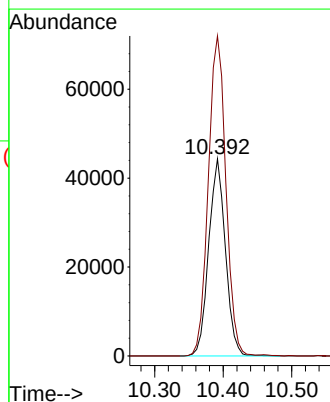
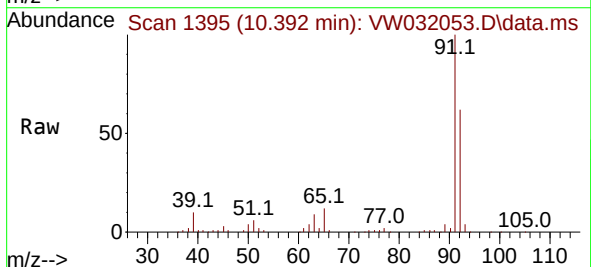
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

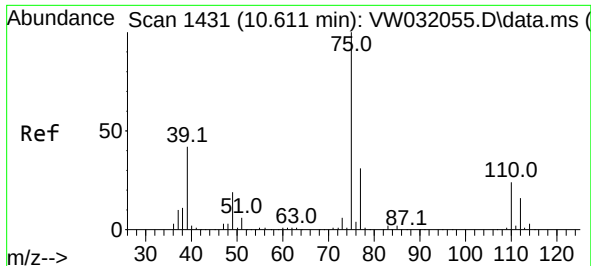
Tgt Ion: 43 Resp: 121419
Ion Ratio Lower Upper
43 100
58 40.7 33.1 49.7



#52
Toluene
Concen: 9.888 ug/l
RT: 10.392 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VW032053.D
Acq: 11 Aug 2025 09:09

Tgt Ion: 92 Resp: 75250
Ion Ratio Lower Upper
92 100
91 170.3 136.3 204.5

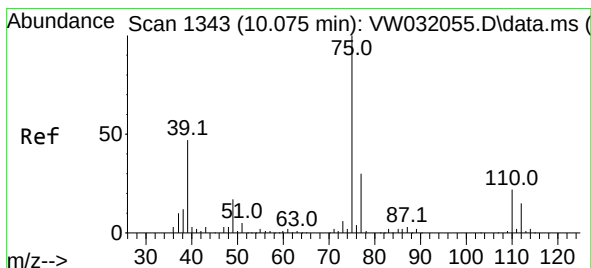
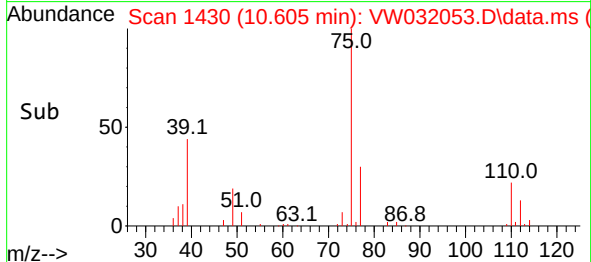
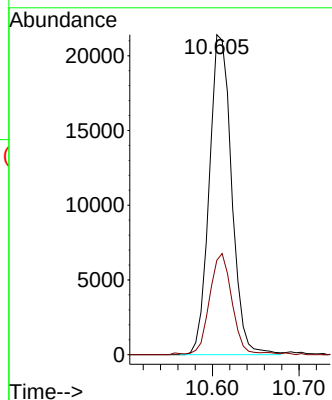
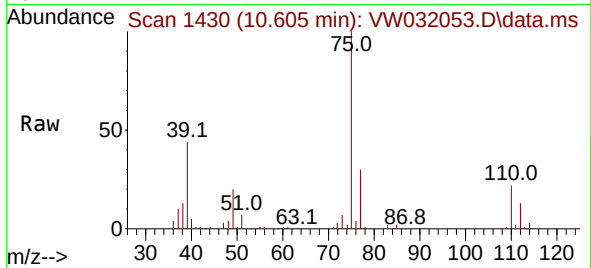




#53
t-1,3-Dichloropropene
Concen: 9.441 ug/l
RT: 10.605 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VW032053.D
Acq: 11 Aug 2025 09:09

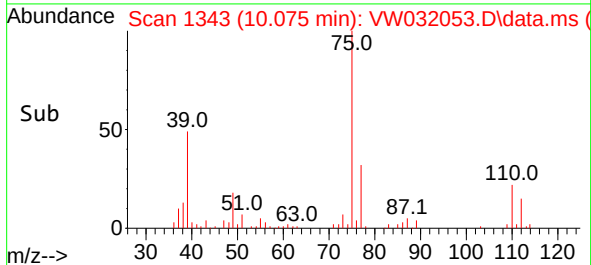
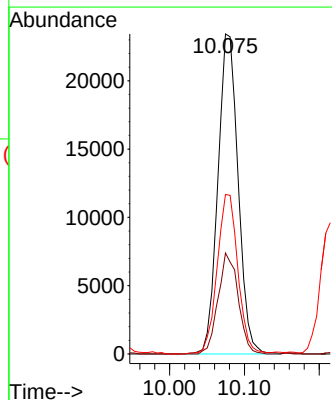
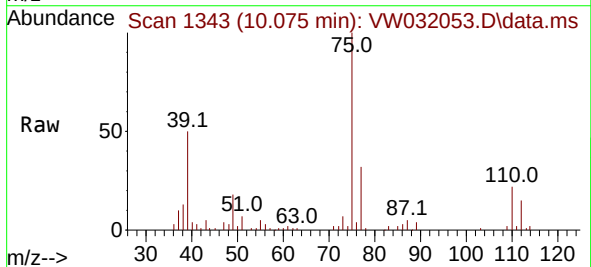
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

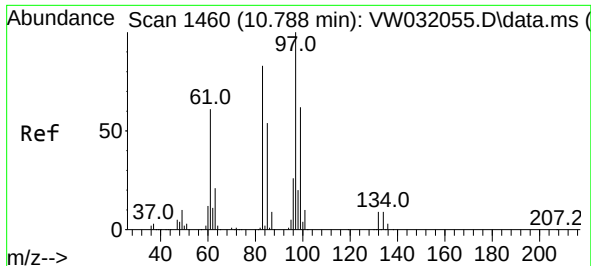
Tgt Ion: 75 Resp: 38397
Ion Ratio Lower Upper
75 100
77 29.2 25.0 37.6



#54
cis-1,3-Dichloropropene
Concen: 9.543 ug/l
RT: 10.075 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VW032053.D
Acq: 11 Aug 2025 09:09

Tgt Ion: 75 Resp: 44031
Ion Ratio Lower Upper
75 100
77 31.6 24.0 36.0
39 49.9 37.8 56.8

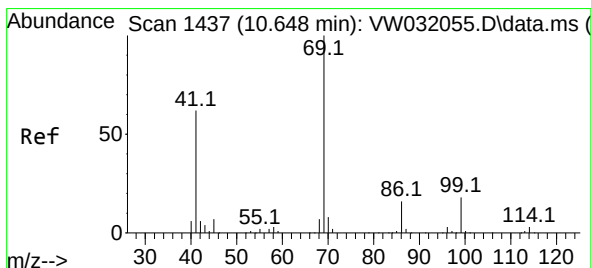
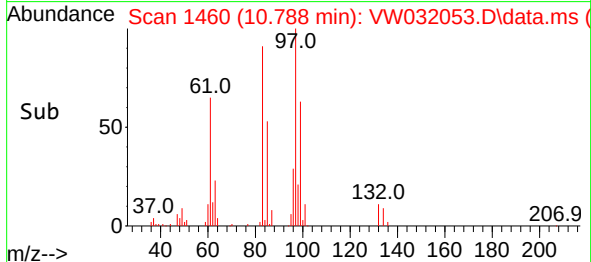
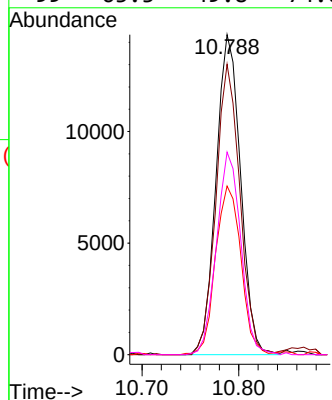
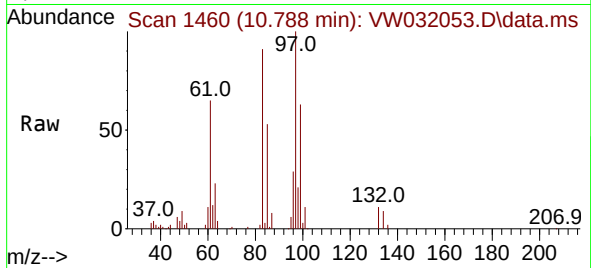




#55
1,1,2-Trichloroethane
Concen: 10.097 ug/l
RT: 10.788 min Scan# 1460
Delta R.T. -0.000 min
Lab File: VW032053.D
Acq: 11 Aug 2025 09:09

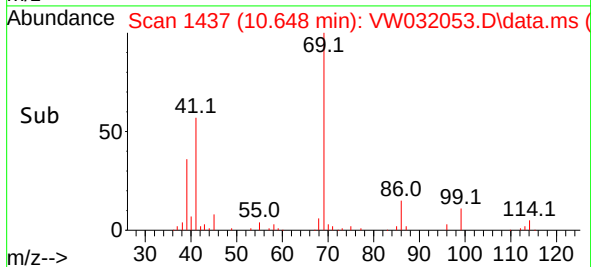
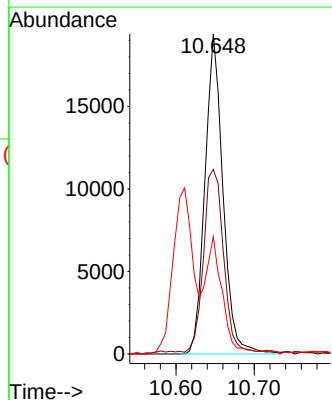
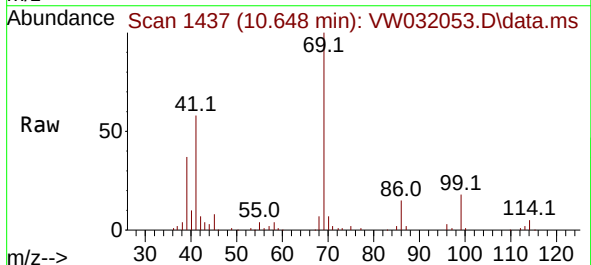
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

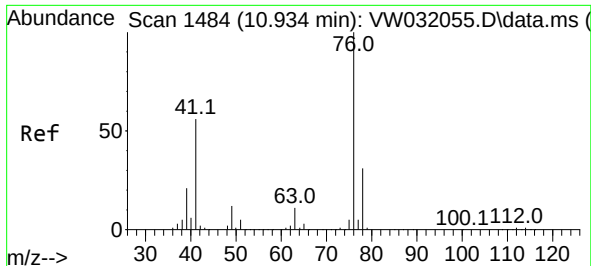
Tgt Ion:	97	Resp:	25277
Ion	Ratio	Lower	Upper
97	100		
83	90.7	66.4	99.6
85	52.7	43.1	64.7
99	63.3	49.8	74.6



#56
Ethyl methacrylate
Concen: 9.260 ug/l
RT: 10.648 min Scan# 1437
Delta R.T. -0.000 min
Lab File: VW032053.D
Acq: 11 Aug 2025 09:09

Tgt Ion:	69	Resp:	31022
Ion	Ratio	Lower	Upper
69	100		
41	62.3	51.2	76.8
39	35.0	25.4	38.0





#57

1,3-Dichloropropane

Concen: 10.254 ug/l

RT: 10.934 min Scan# 1484

Delta R.T. -0.000 min

Lab File: VW032053.D

Acq: 11 Aug 2025 09:09

Instrument :

MSVOA_W

ClientSampleId :

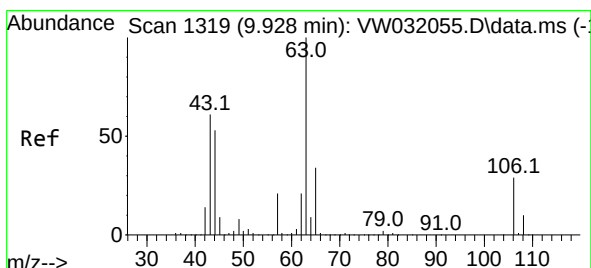
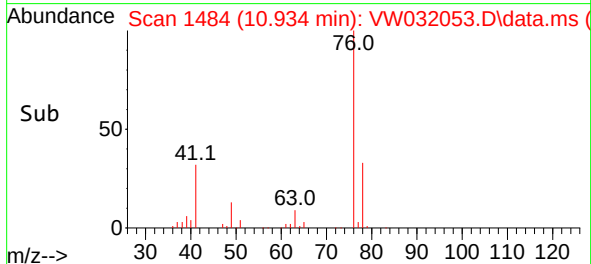
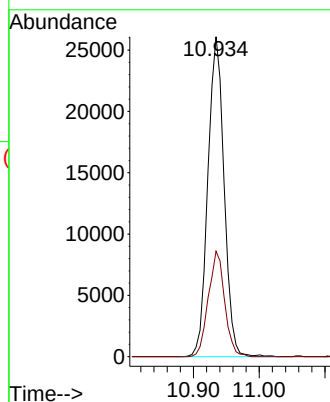
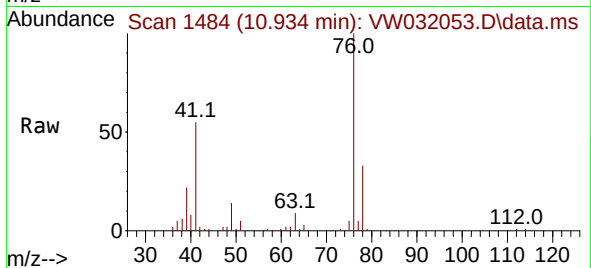
VSTDICC010

Tgt Ion: 76 Resp: 44743

Ion Ratio Lower Upper

76 100

78 33.2 25.8 38.6



#58

2-Chloroethyl Vinyl ether

Concen: 47.830 ug/l

RT: 9.928 min Scan# 1319

Delta R.T. -0.000 min

Lab File: VW032053.D

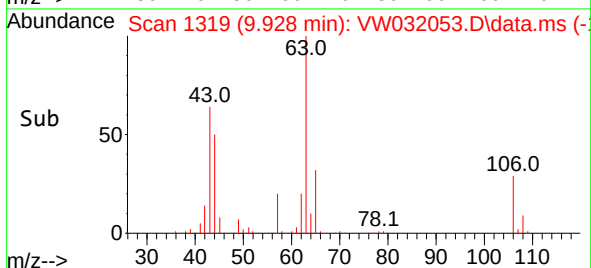
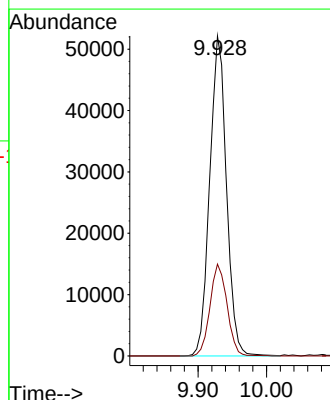
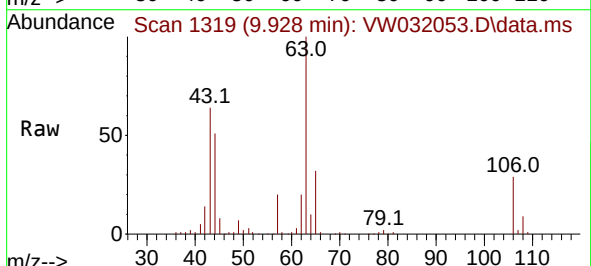
Acq: 11 Aug 2025 09:09

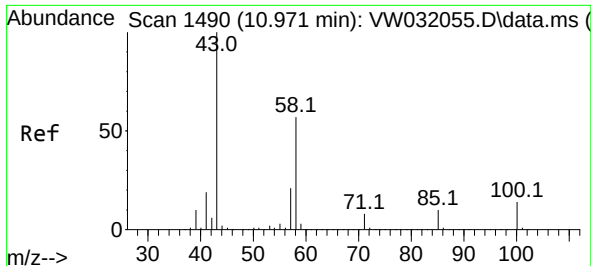
Tgt Ion: 63 Resp: 88627

Ion Ratio Lower Upper

63 100

106 29.2 23.5 35.3

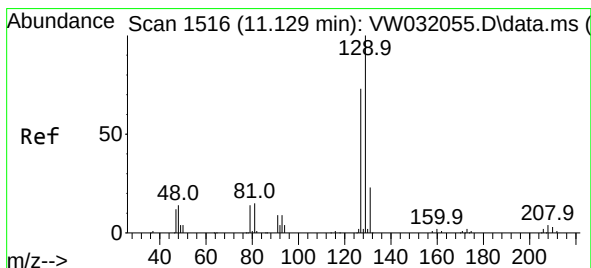
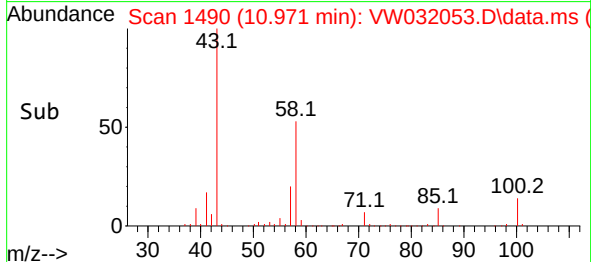
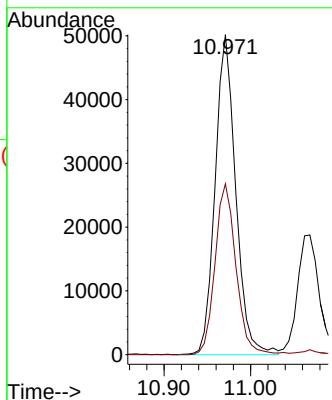
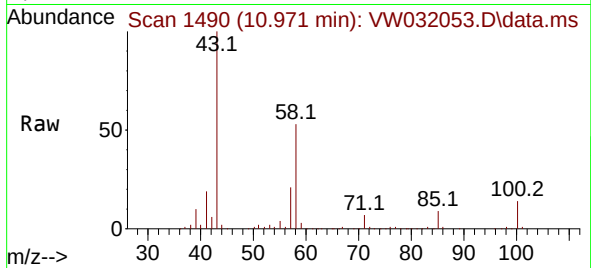




#59
2-Hexanone
Concen: 50.310 ug/l
RT: 10.971 min Scan# 1490
Delta R.T. -0.000 min
Lab File: VW032053.D
Acq: 11 Aug 2025 09:09

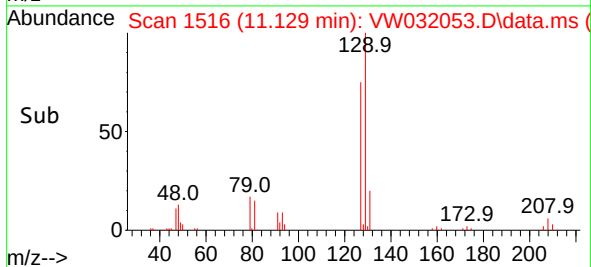
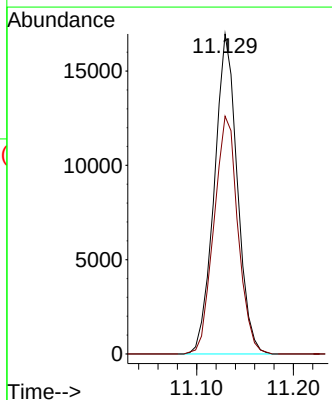
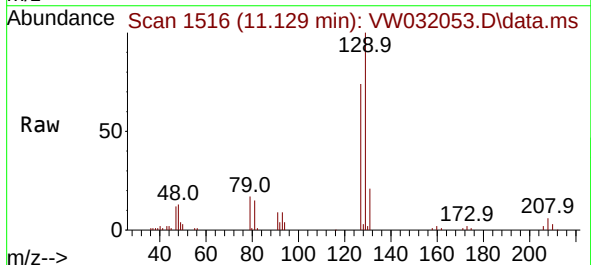
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

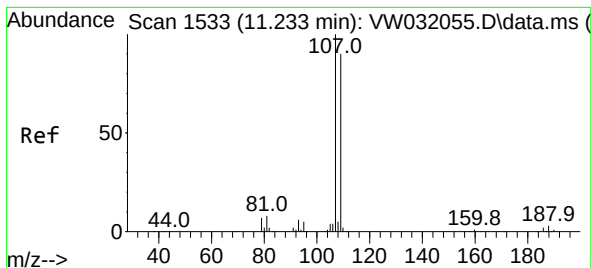
Tgt Ion: 43 Resp: 82830
Ion Ratio Lower Upper
43 100
58 54.2 28.3 85.0



#60
Dibromochloromethane
Concen: 9.776 ug/l
RT: 11.129 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VW032053.D
Acq: 11 Aug 2025 09:09

Tgt Ion: 129 Resp: 27954
Ion Ratio Lower Upper
129 100
127 77.7 39.0 116.9

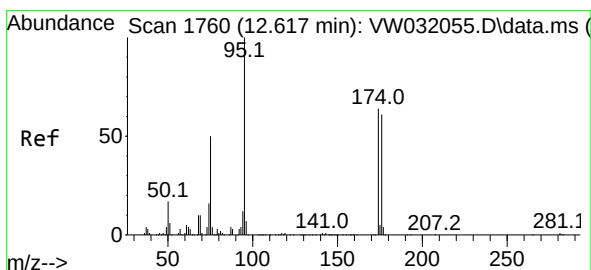
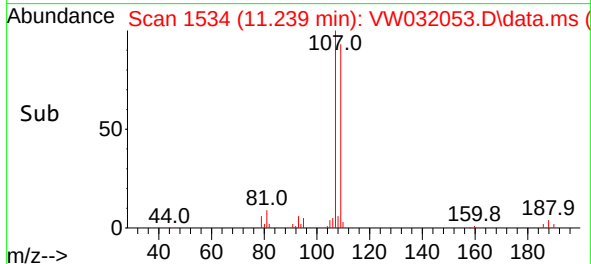
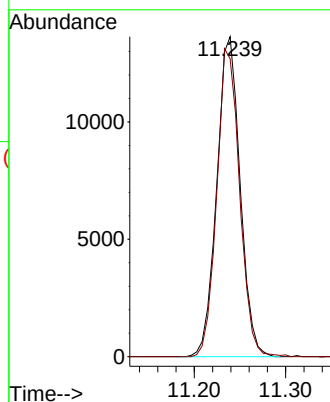
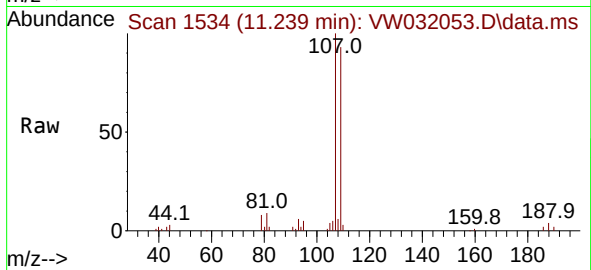




#61
1,2-Dibromoethane
Concen: 9.926 ug/l
RT: 11.239 min Scan# 1533
Delta R.T. 0.006 min
Lab File: VW032053.D
Acq: 11 Aug 2025 09:09

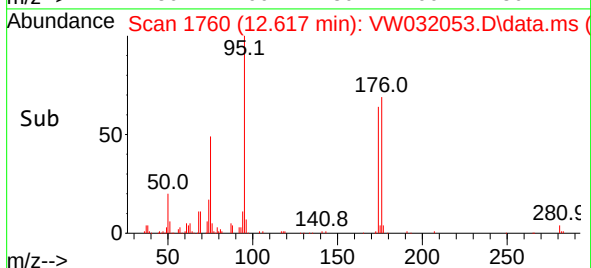
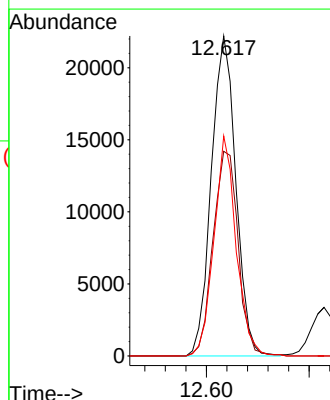
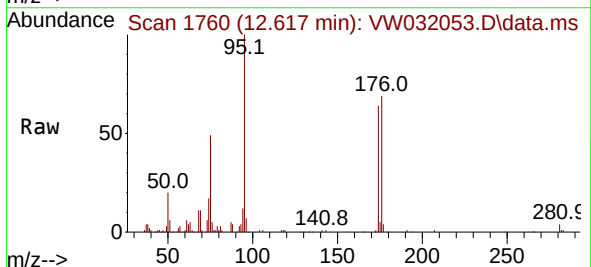
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

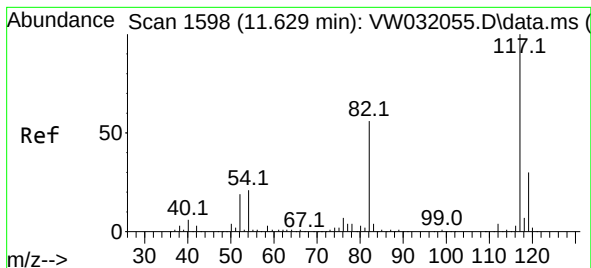
Tgt Ion:107 Resp: 24146
Ion Ratio Lower Upper
107 100
109 94.2 74.2 111.4



#62
4-Bromofluorobenzene
Concen: 9.778 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032053.D
Acq: 11 Aug 2025 09:09

Tgt Ion: 95 Resp: 36748
Ion Ratio Lower Upper
95 100
174 65.3 0.0 129.0
176 62.4 0.0 124.6

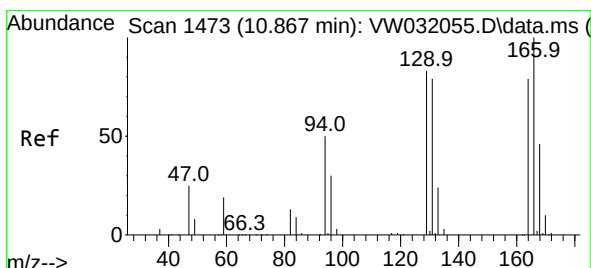
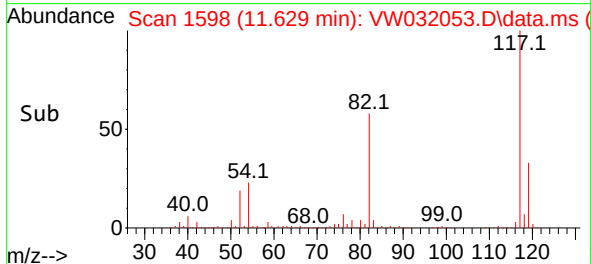
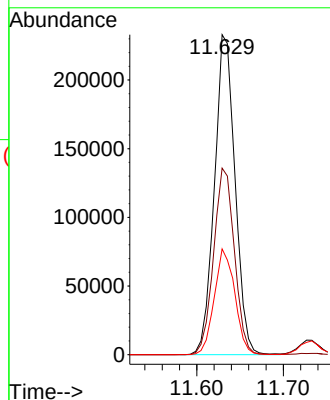
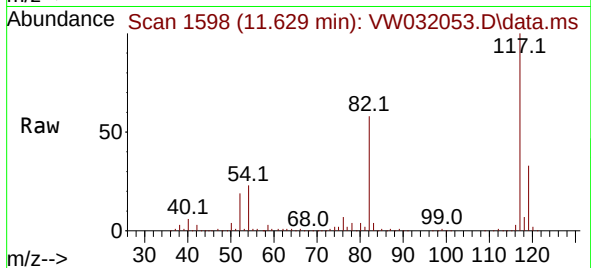




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 117
Delta R.T. -0.000 min
Lab File: VW032053.D
Acq: 11 Aug 2025 09:09

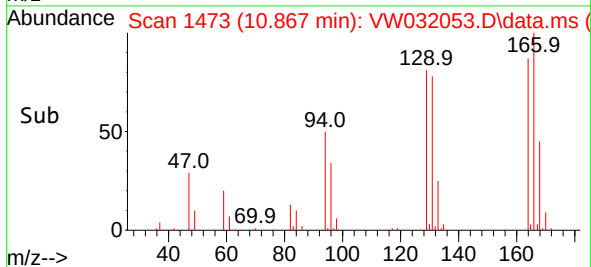
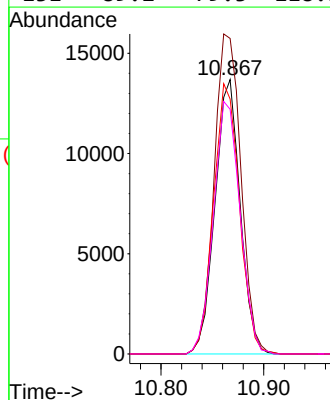
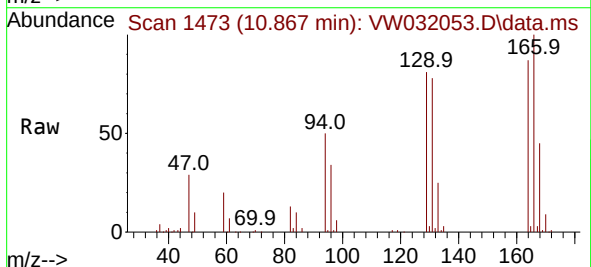
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

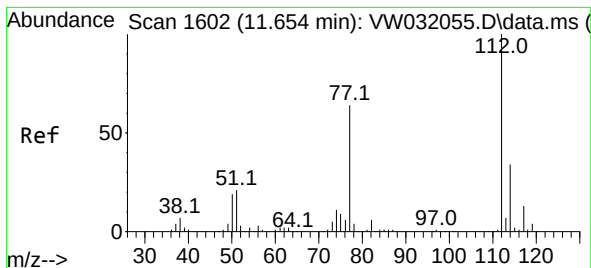
Tgt Ion:117 Resp: 385631
Ion Ratio Lower Upper
117 100
82 58.3 45.0 67.4
119 33.0 24.2 36.4



#64
Tetrachloroethene
Concen: 10.431 ug/l
RT: 10.867 min Scan# 1473
Delta R.T. -0.000 min
Lab File: VW032053.D
Acq: 11 Aug 2025 09:09

Tgt Ion:164 Resp: 23235
Ion Ratio Lower Upper
164 100
166 115.0 100.9 151.3
129 92.9 83.6 125.4
131 89.2 79.3 118.9





#65

Chlorobenzene

Concen: 10.257 ug/l

RT: 11.660 min Scan# 1

Delta R.T. 0.006 min

Lab File: VW032053.D

Acq: 11 Aug 2025 09:09

Instrument :

MSVOA_W

ClientSampleId :

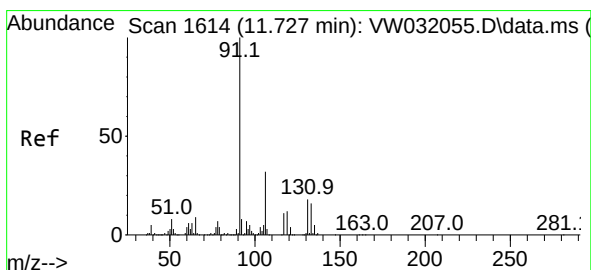
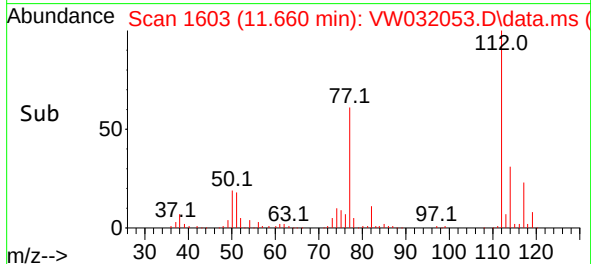
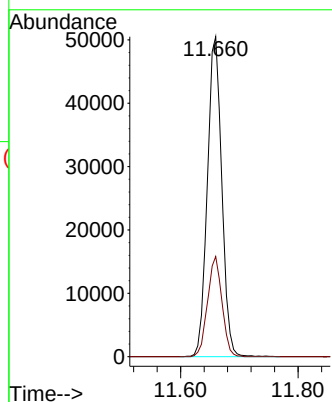
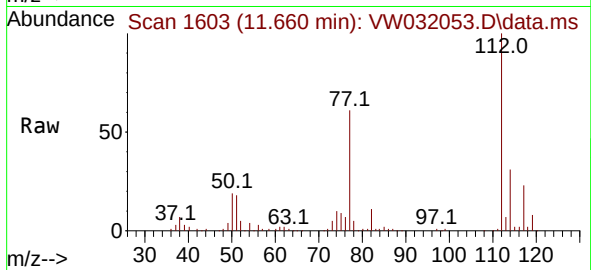
VSTDIC010

Tgt Ion:112 Resp: 86096

Ion Ratio Lower Upper

112 100

114 31.3 26.9 40.3



#66

1,1,1,2-Tetrachloroethane

Concen: 10.037 ug/l

RT: 11.733 min Scan# 1615

Delta R.T. 0.006 min

Lab File: VW032053.D

Acq: 11 Aug 2025 09:09

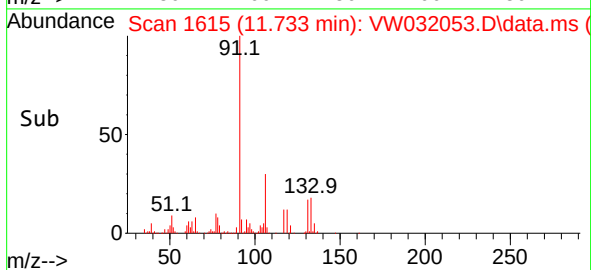
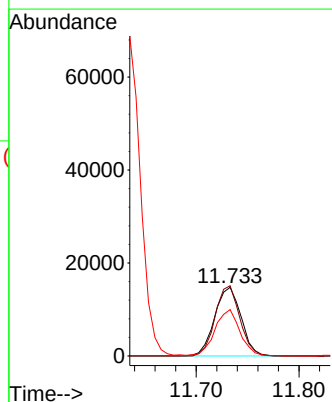
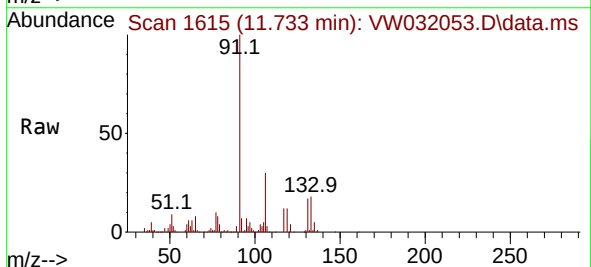
Tgt Ion:131 Resp: 26286

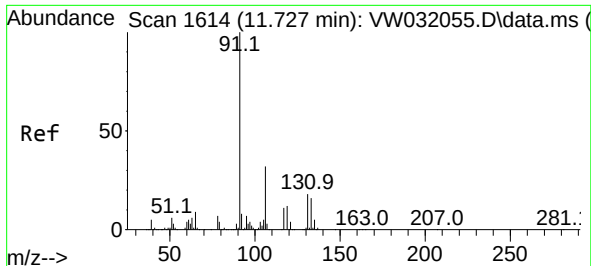
Ion Ratio Lower Upper

131 100

133 95.6 47.3 142.0

119 64.5 34.5 103.5





#67

Ethyl Benzene

Concen: 9.794 ug/l

RT: 11.733 min Scan# 1

Delta R.T. 0.006 min

Lab File: VW032053.D

Acq: 11 Aug 2025 09:09

Instrument :

MSVOA_W

ClientSampleId :

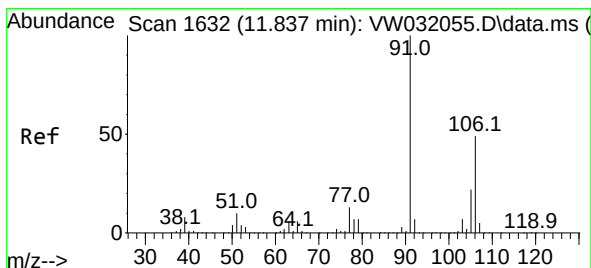
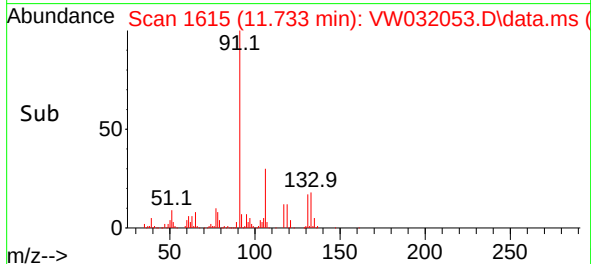
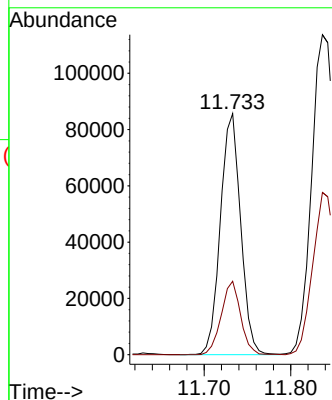
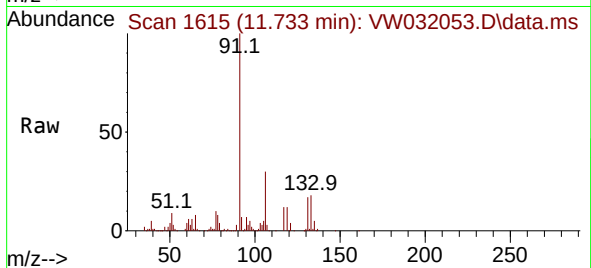
VSTDIC010

Tgt Ion: 91 Resp: 139254

Ion Ratio Lower Upper

91 100

106 30.5 25.4 38.0



#68

m/p-Xylenes

Concen: 19.866 ug/l

RT: 11.837 min Scan# 1632

Delta R.T. -0.000 min

Lab File: VW032053.D

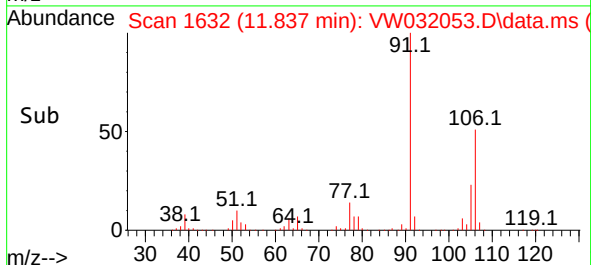
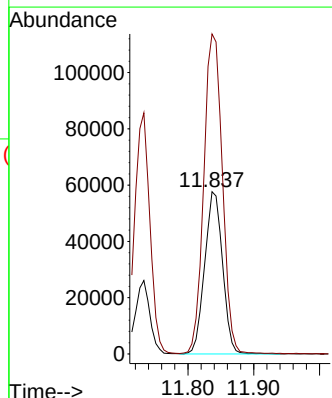
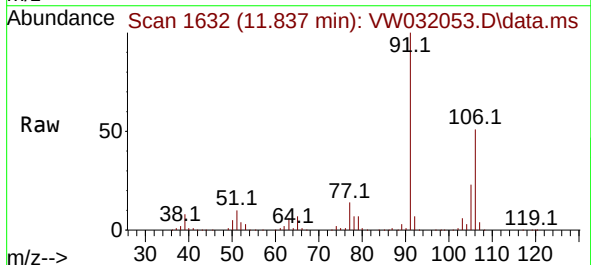
Acq: 11 Aug 2025 09:09

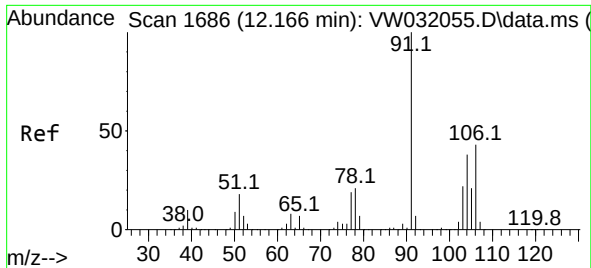
Tgt Ion: 106 Resp: 108990

Ion Ratio Lower Upper

106 100

91 205.0 162.2 243.2

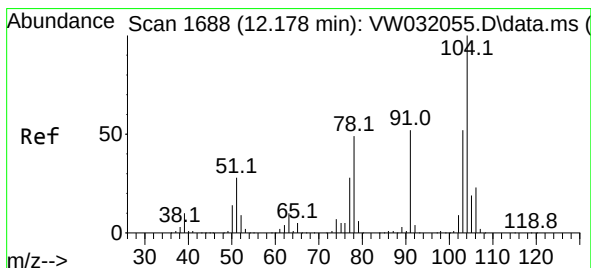
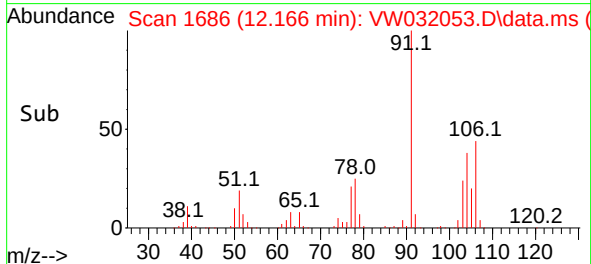
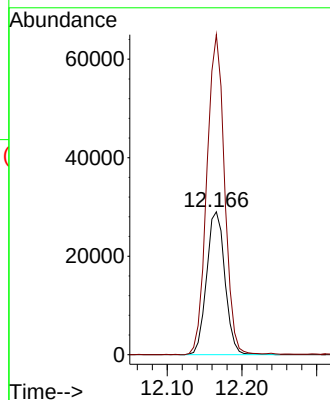
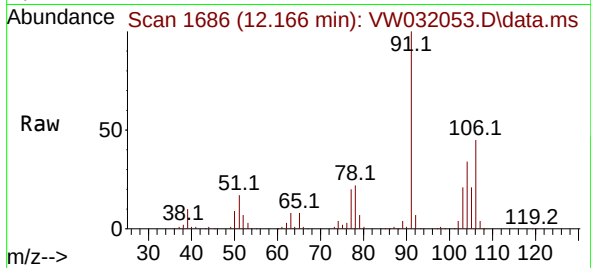




#69
o-Xylene
Concen: 9.714 ug/l
RT: 12.166 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VW032053.D
Acq: 11 Aug 2025 09:09

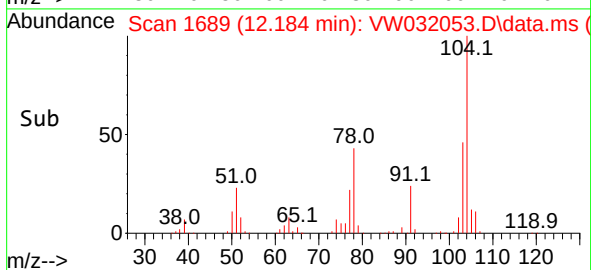
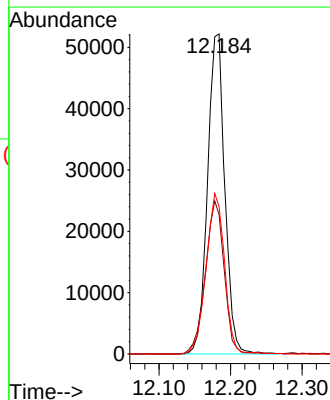
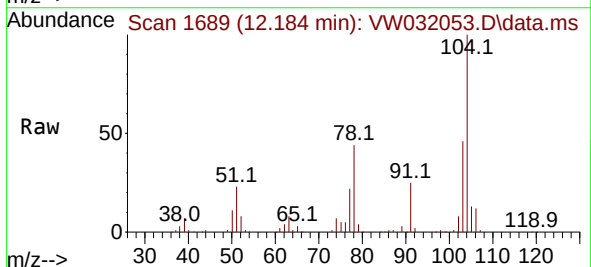
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

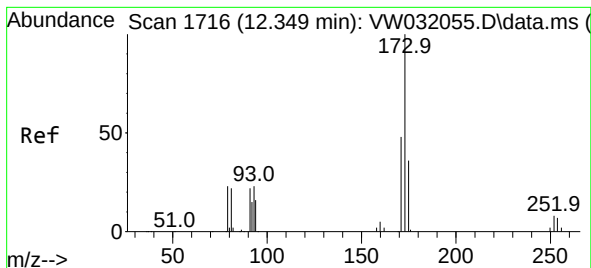
Tgt Ion:106 Resp: 49259
Ion Ratio Lower Upper
106 100
91 216.8 110.8 332.3



#70
Styrene
Concen: 9.719 ug/l
RT: 12.184 min Scan# 1689
Delta R.T. 0.006 min
Lab File: VW032053.D
Acq: 11 Aug 2025 09:09

Tgt Ion:104 Resp: 87542
Ion Ratio Lower Upper
104 100
78 52.1 41.2 61.8
103 53.8 43.8 65.8





#71

Bromoform

Concen: 9.711 ug/l

RT: 12.349 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW032053.D

Acq: 11 Aug 2025 09:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC010

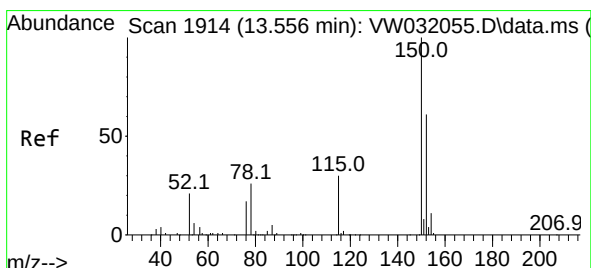
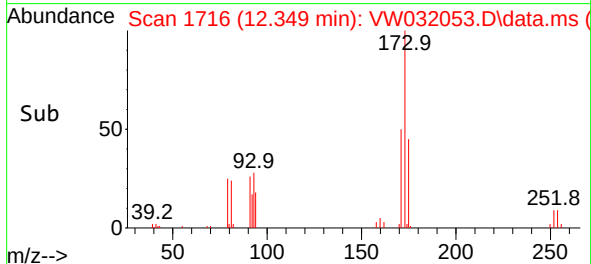
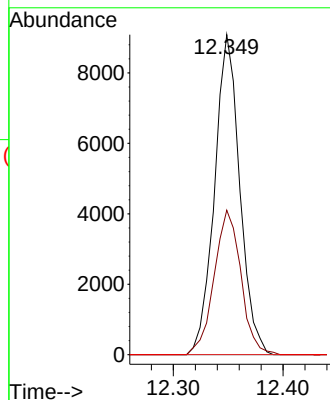
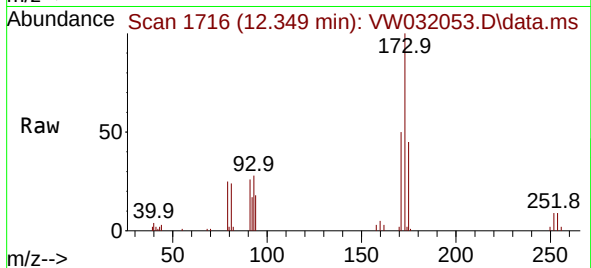
Tgt Ion:173 Resp: 14547

Ion Ratio Lower Upper

173 100

175 47.8 22.9 68.7

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.556 min Scan# 1914

Delta R.T. -0.000 min

Lab File: VW032053.D

Acq: 11 Aug 2025 09:09

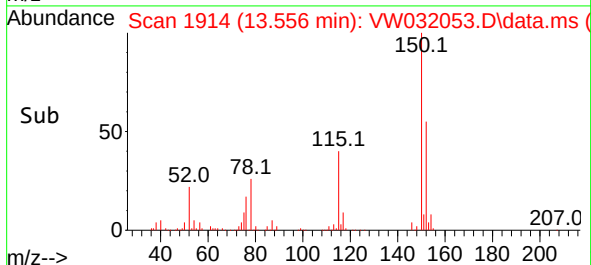
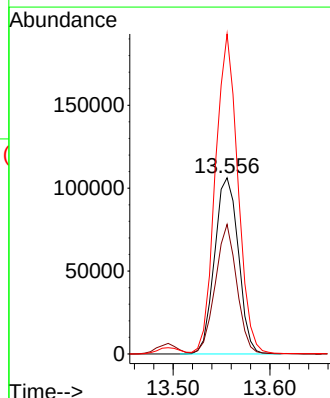
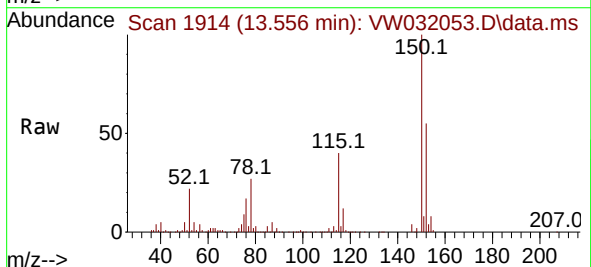
Tgt Ion:152 Resp: 181281

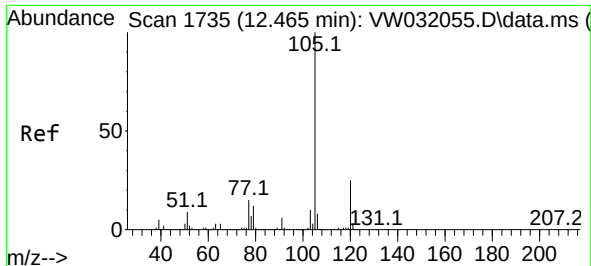
Ion Ratio Lower Upper

152 100

115 66.5 32.6 97.8

150 171.8 0.0 359.4

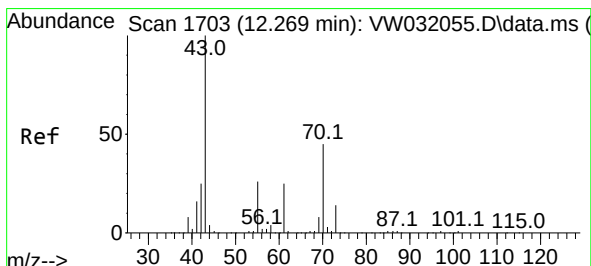
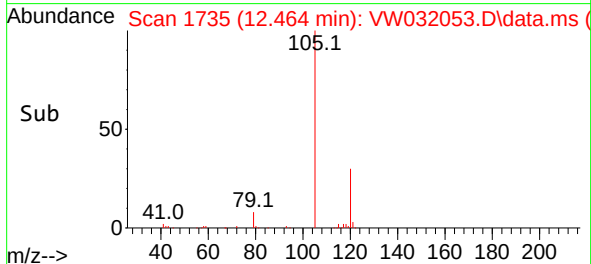
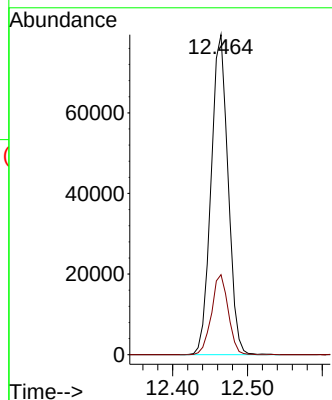
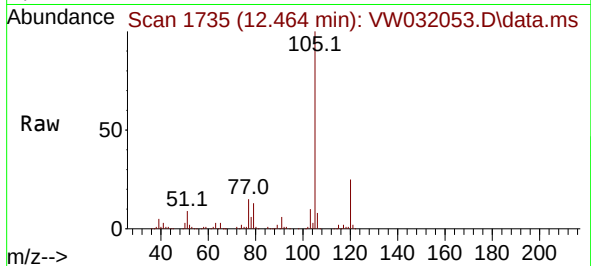




#73
Isopropylbenzene
Concen: 9.886 ug/l
RT: 12.464 min Scan# 1735
Delta R.T. -0.000 min
Lab File: VW032053.D
Acq: 11 Aug 2025 09:09

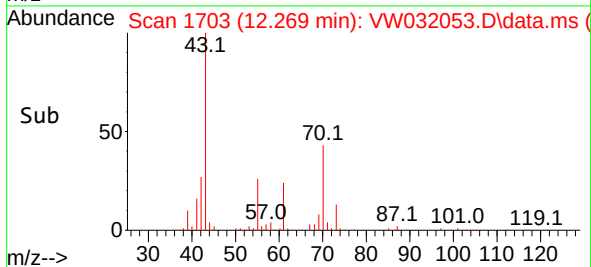
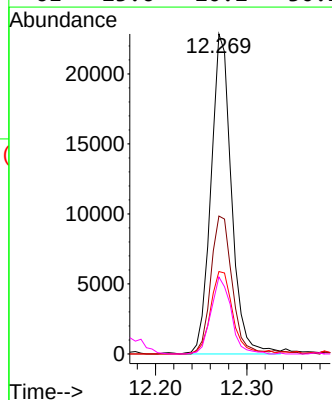
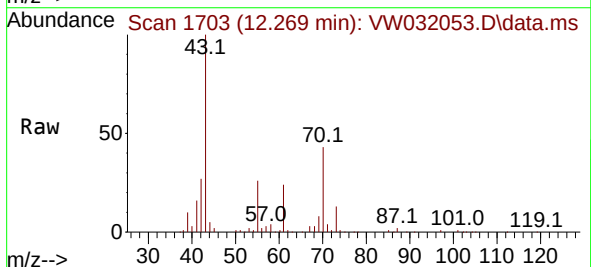
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

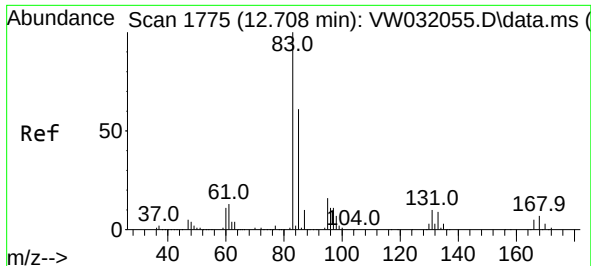
Tgt Ion:105 Resp: 125246
Ion Ratio Lower Upper
105 100
120 24.6 12.8 38.4



#74
N-ethyl acetate
Concen: 9.804 ug/l
RT: 12.269 min Scan# 1703
Delta R.T. -0.000 min
Lab File: VW032053.D
Acq: 11 Aug 2025 09:09

Tgt Ion: 43 Resp: 35636
Ion Ratio Lower Upper
43 100
70 44.7 37.0 55.4
55 28.3 21.1 31.7
61 23.6 20.2 30.2

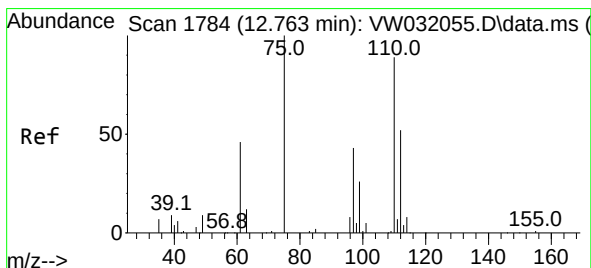
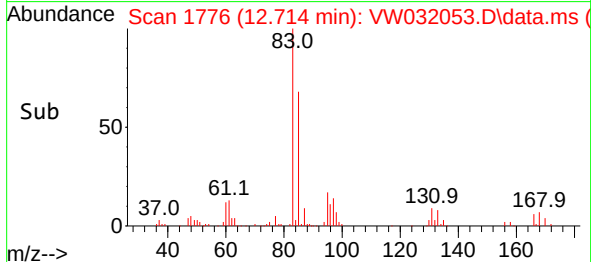
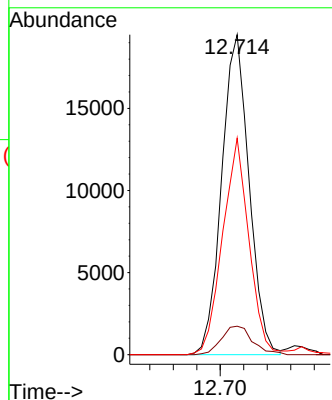
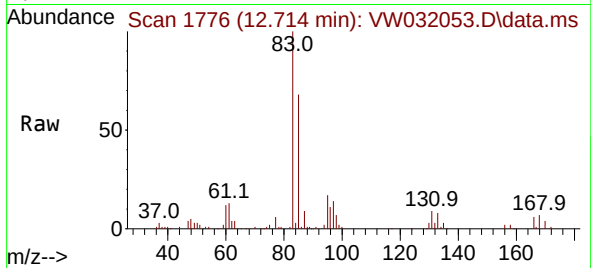




#75
1,1,2,2-Tetrachloroethane
Concen: 10.499 ug/l
RT: 12.714 min Scan# 1776
Delta R.T. 0.006 min
Lab File: VW032053.D
Acq: 11 Aug 2025 09:09

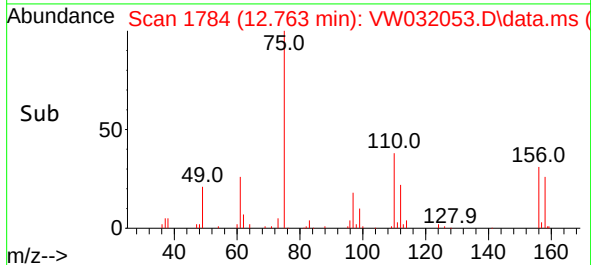
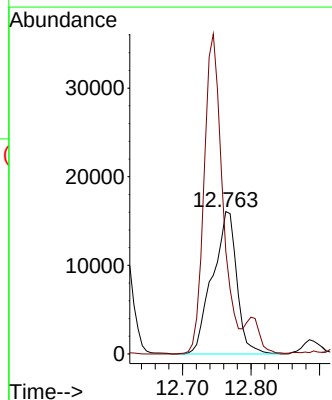
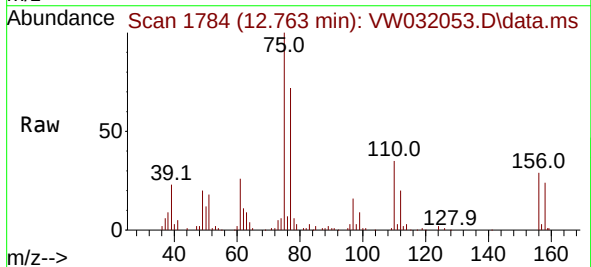
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

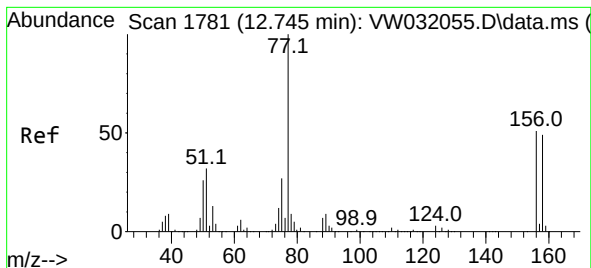
Tgt Ion: 83 Resp: 31581
Ion Ratio Lower Upper
83 100
131 10.1 5.1 15.4
85 65.0 32.2 96.6



#76
1,2,3-Trichloropropane
Concen: 14.180 ug/l
RT: 12.763 min Scan# 1784
Delta R.T. -0.000 min
Lab File: VW032053.D
Acq: 11 Aug 2025 09:09

Tgt Ion: 75 Resp: 39515
Ion Ratio Lower Upper
75 100
77 173.7 123.5 370.5





#77

Bromobenzene

Concen: 10.462 ug/l

RT: 12.745 min Scan# 1781

Delta R.T. -0.000 min

Lab File: VW032053.D

Acq: 11 Aug 2025 09:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

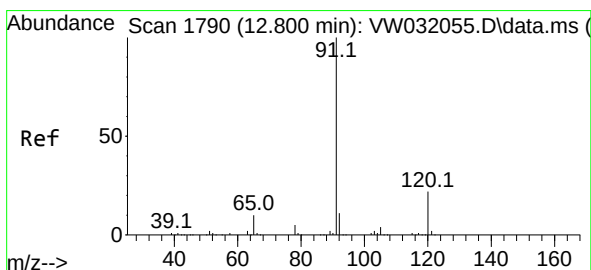
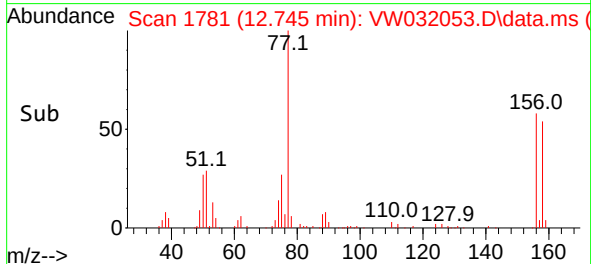
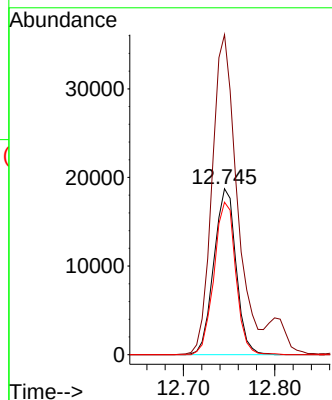
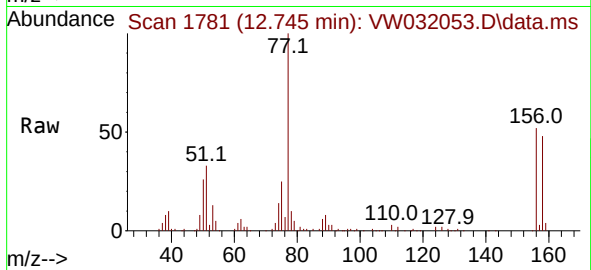
Tgt Ion:156 Resp: 31656

Ion Ratio Lower Upper

156 100

77 216.8 108.7 326.3

158 90.0 48.3 144.9



#78

n-propylbenzene

Concen: 10.019 ug/l

RT: 12.800 min Scan# 1790

Delta R.T. -0.000 min

Lab File: VW032053.D

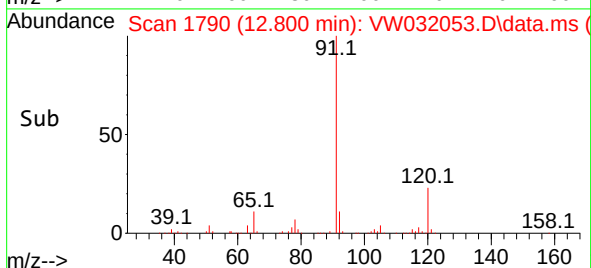
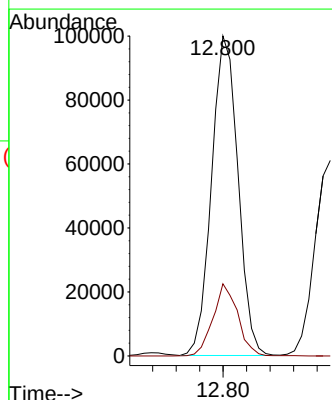
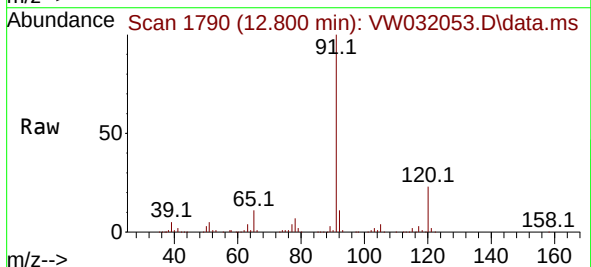
Acq: 11 Aug 2025 09:09

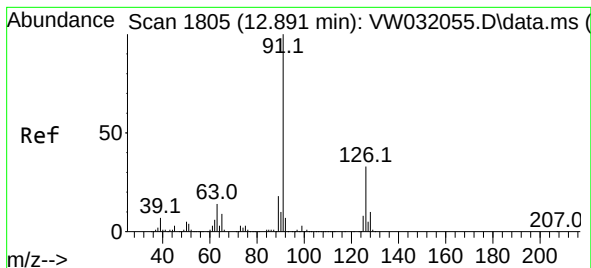
Tgt Ion: 91 Resp: 156266

Ion Ratio Lower Upper

91 100

120 21.1 11.1 33.3

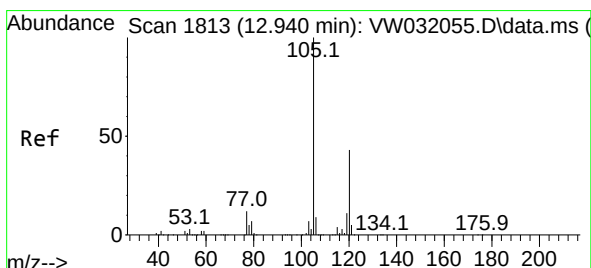
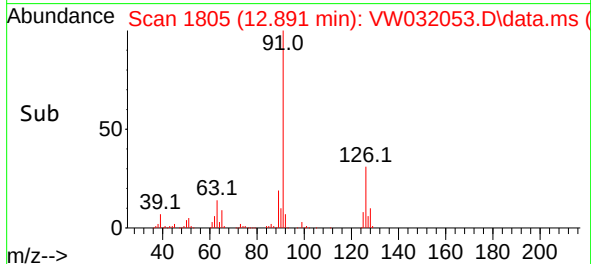
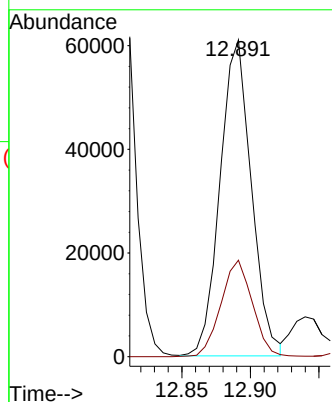
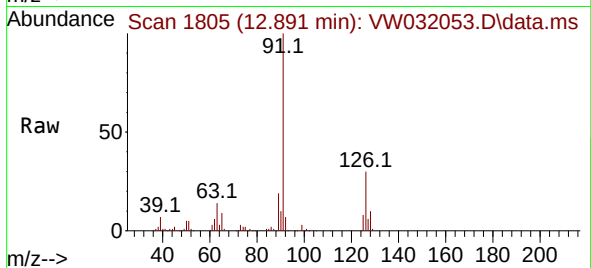




#79
2-Chlorotoluene
Concen: 10.071 ug/l
RT: 12.891 min Scan# 1805
Delta R.T. -0.000 min
Lab File: VW032053.D
Acq: 11 Aug 2025 09:09

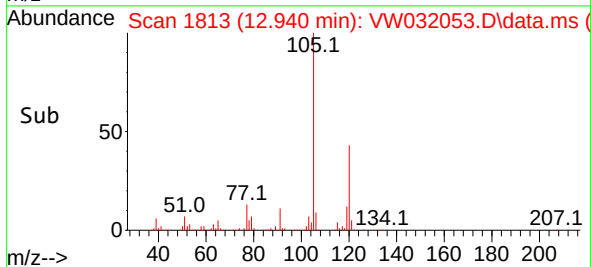
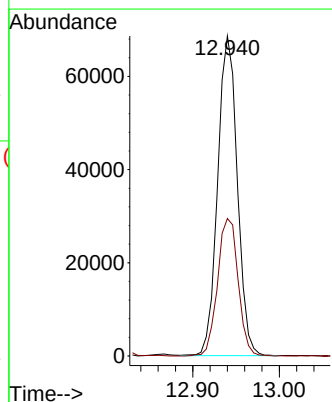
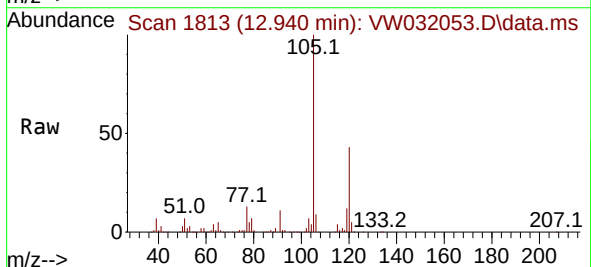
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

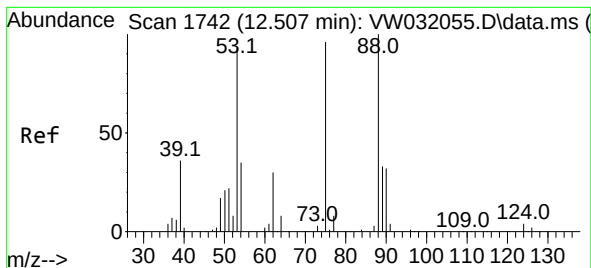
Tgt Ion: 91 Resp: 96942
Ion Ratio Lower Upper
91 100
126 30.8 15.9 47.7



#80
1,3,5-Trimethylbenzene
Concen: 10.053 ug/l
RT: 12.940 min Scan# 1813
Delta R.T. -0.000 min
Lab File: VW032053.D
Acq: 11 Aug 2025 09:09

Tgt Ion: 105 Resp: 108123
Ion Ratio Lower Upper
105 100
120 45.0 23.4 70.0

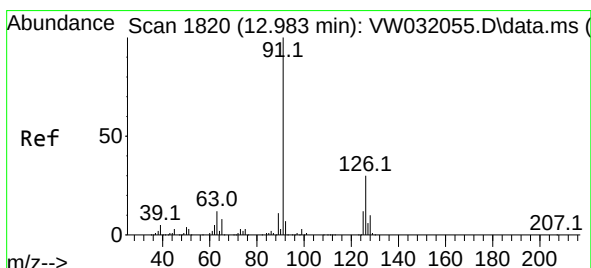
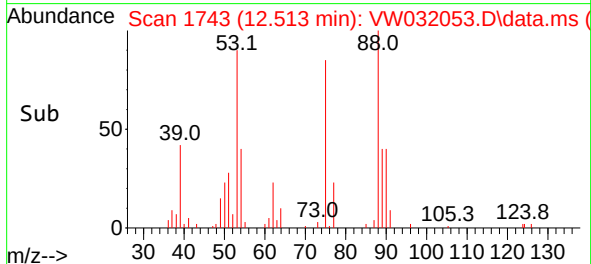
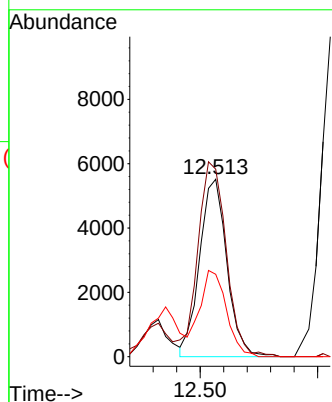
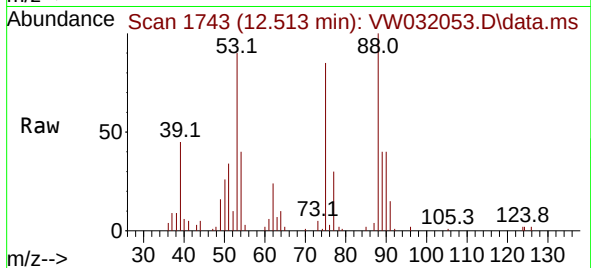




#81
trans-1,4-Dichloro-2-butene
Concen: 9.403 ug/l
RT: 12.513 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW032053.D
Acq: 11 Aug 2025 09:09

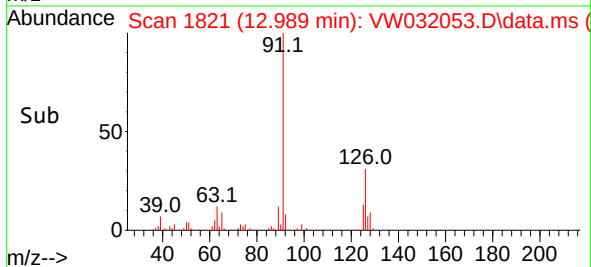
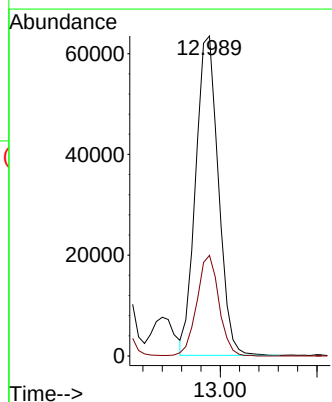
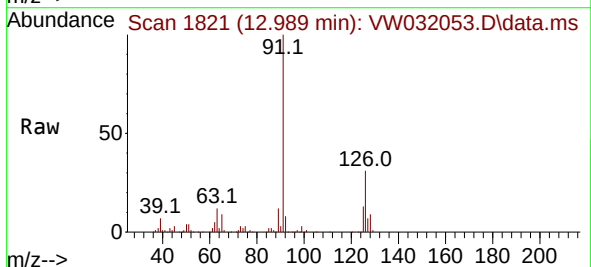
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

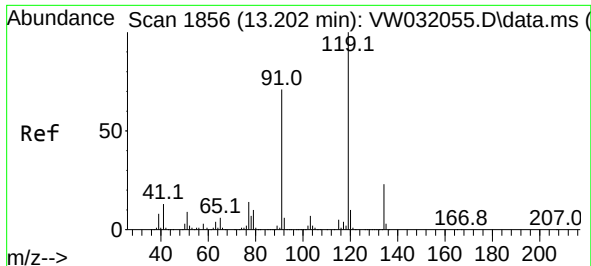
Tgt Ion:	75	Resp:	8936
Ion Ratio	Lower	Upper	
75	100		
53	115.3	81.0	121.6
89	47.3	37.3	55.9



#82
4-Chlorotoluene
Concen: 10.103 ug/l
RT: 12.989 min Scan# 1821
Delta R.T. 0.006 min
Lab File: VW032053.D
Acq: 11 Aug 2025 09:09

Tgt Ion:	91	Resp:	103329
Ion Ratio	Lower	Upper	
91	100		
126	30.8	15.5	46.5

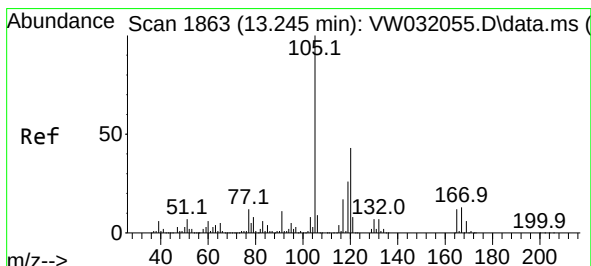
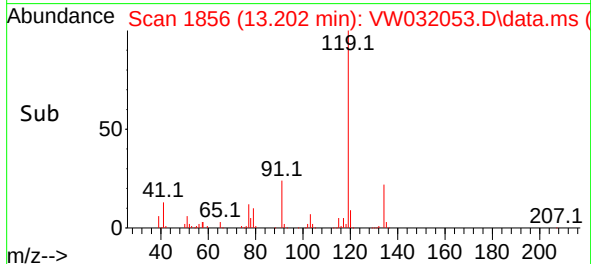
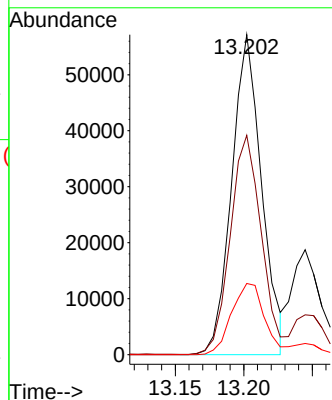
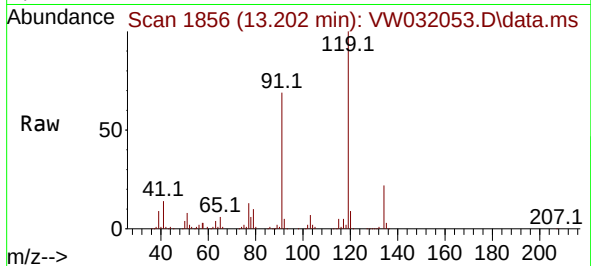




#83
tert-Butylbenzene
Concen: 9.729 ug/l
RT: 13.202 min Scan# 1856
Delta R.T. -0.000 min
Lab File: VW032053.D
Acq: 11 Aug 2025 09:09

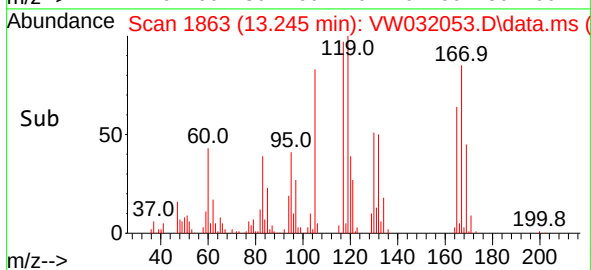
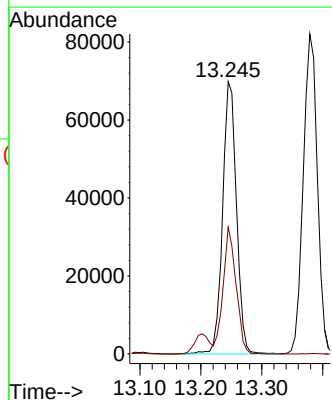
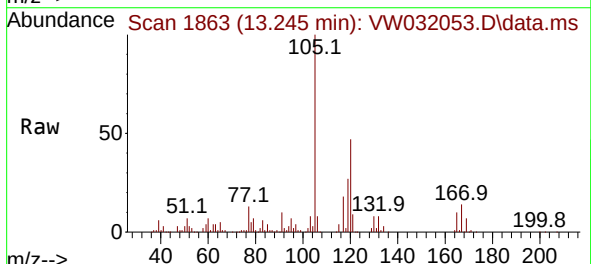
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

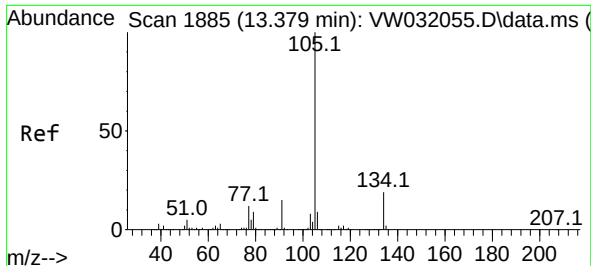
Tgt Ion:119 Resp: 86848
Ion Ratio Lower Upper
119 100
91 70.7 35.3 105.9
134 24.8 12.1 36.3



#84
1,2,4-Trimethylbenzene
Concen: 10.110 ug/l
RT: 13.245 min Scan# 1863
Delta R.T. -0.000 min
Lab File: VW032053.D
Acq: 11 Aug 2025 09:09

Tgt Ion:105 Resp: 110697
Ion Ratio Lower Upper
105 100
120 43.5 21.6 64.8

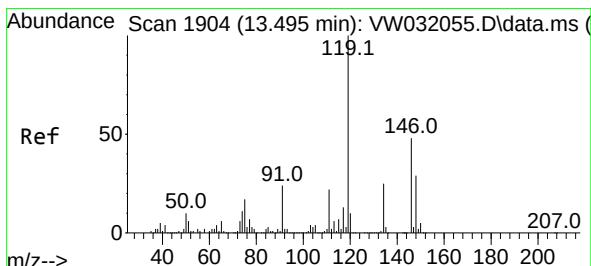
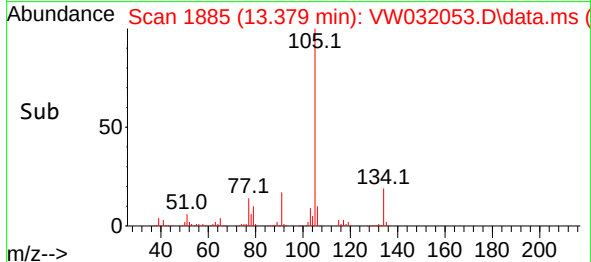
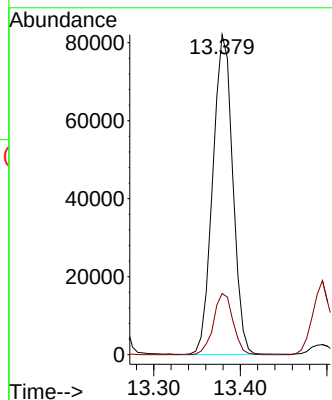
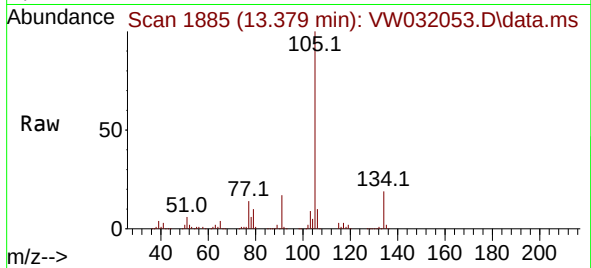




#85
 sec-Butylbenzene
 Concen: 9.756 ug/l
 RT: 13.379 min Scan# 1885
 Delta R.T. -0.000 min
 Lab File: VW032053.D
 Acq: 11 Aug 2025 09:09

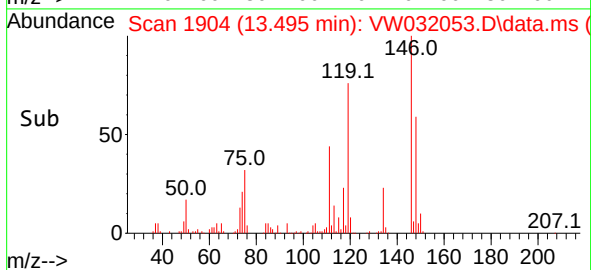
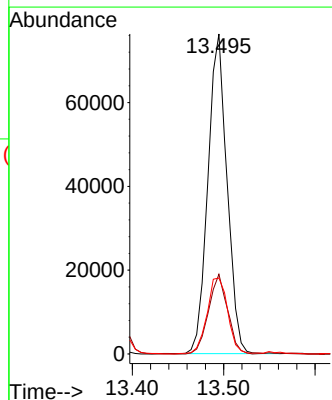
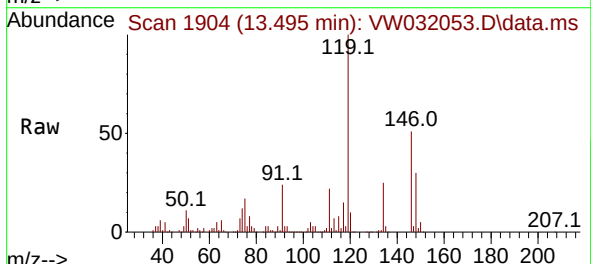
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

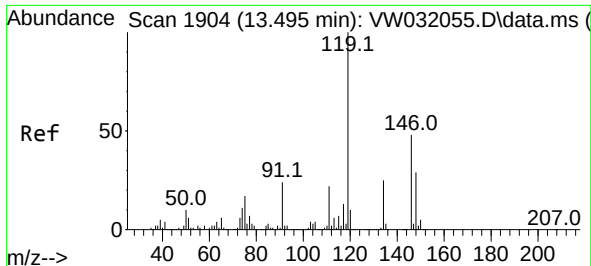
Tgt Ion:105 Resp: 131663
 Ion Ratio Lower Upper
 105 100
 134 18.7 9.9 29.7



#86
 p-Isopropyltoluene
 Concen: 9.827 ug/l
 RT: 13.495 min Scan# 1904
 Delta R.T. -0.000 min
 Lab File: VW032053.D
 Acq: 11 Aug 2025 09:09

Tgt Ion:119 Resp: 110557
 Ion Ratio Lower Upper
 119 100
 134 24.8 12.4 37.0
 91 25.8 12.1 36.3





#87

1,3-Dichlorobenzene

Concen: 10.361 ug/l

RT: 13.495 min Scan# 1904

Delta R.T. -0.000 min

Lab File: VW032053.D

Acq: 11 Aug 2025 09:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

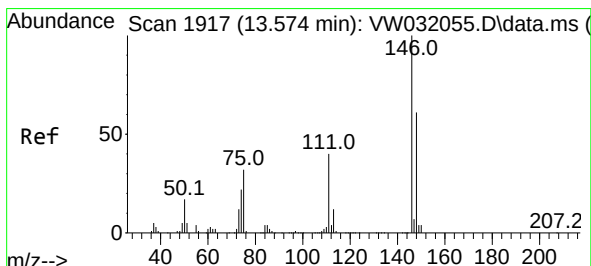
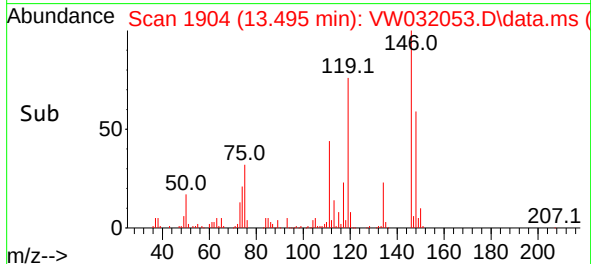
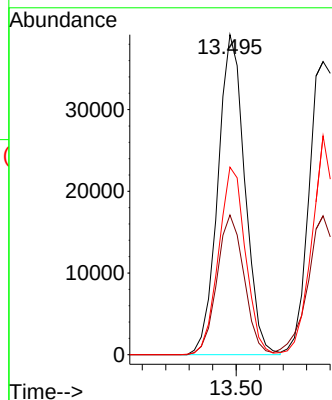
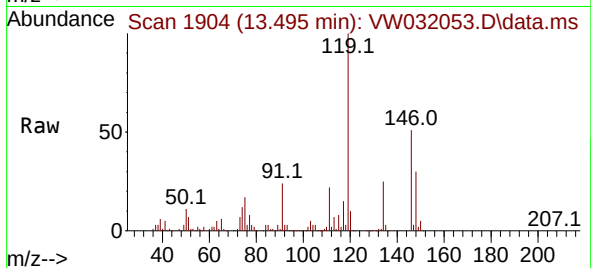
Tgt Ion:146 Resp: 62383

Ion Ratio Lower Upper

146 100

111 43.9 21.2 63.6

148 58.5 30.3 90.8



#88

1,4-Dichlorobenzene

Concen: 10.328 ug/l

RT: 13.574 min Scan# 1917

Delta R.T. -0.000 min

Lab File: VW032053.D

Acq: 11 Aug 2025 09:09

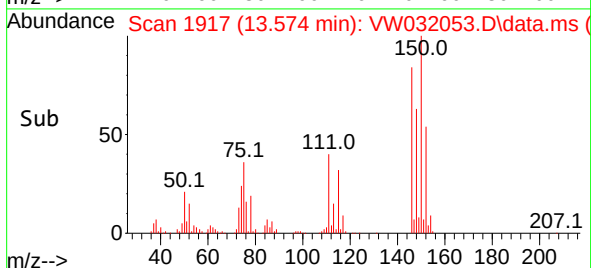
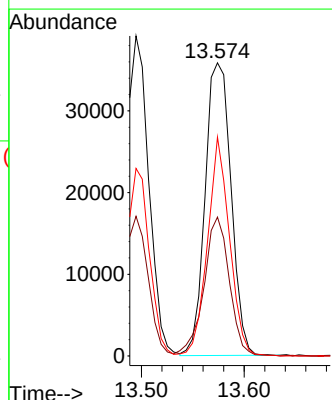
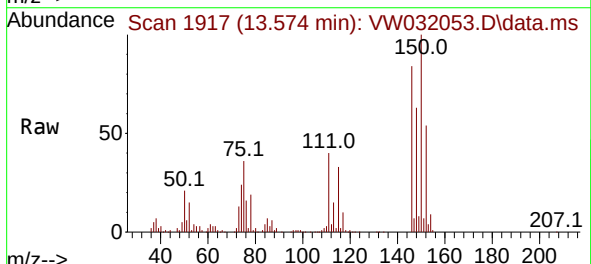
Tgt Ion:146 Resp: 62843

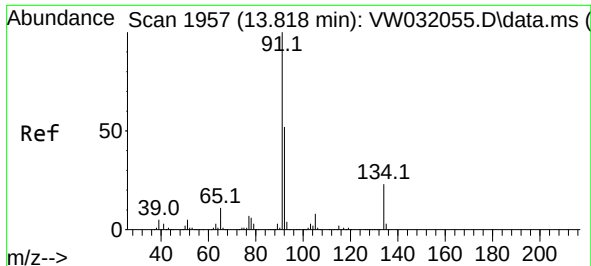
Ion Ratio Lower Upper

146 100

111 46.7 21.6 64.6

148 63.8 32.0 96.2





#89

n-Butylbenzene

Concen: 9.881 ug/l

RT: 13.818 min Scan# 1957

Delta R.T. -0.000 min

Lab File: VW032053.D

Acq: 11 Aug 2025 09:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC010

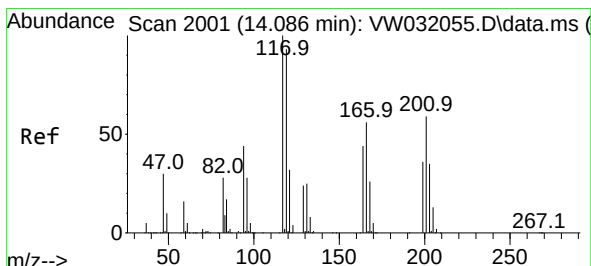
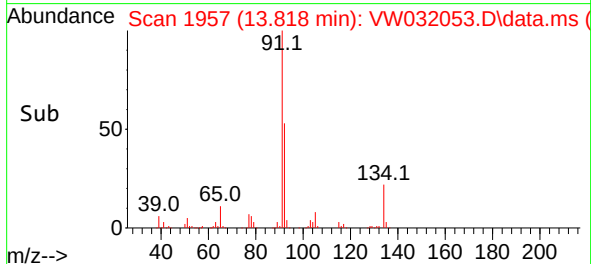
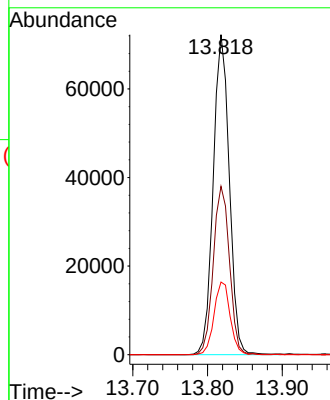
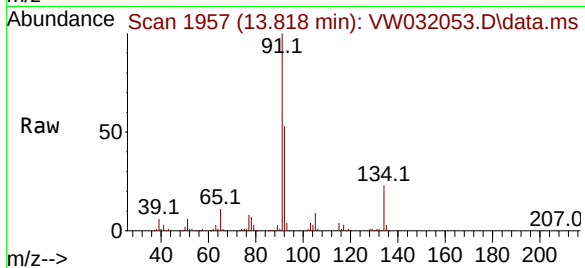
Tgt Ion: 91 Resp: 108004

Ion Ratio Lower Upper

91 100

92 53.0 26.7 80.1

134 22.8 12.0 36.1



#90

Hexachloroethane

Concen: 9.805 ug/l

RT: 14.086 min Scan# 2001

Delta R.T. -0.000 min

Lab File: VW032053.D

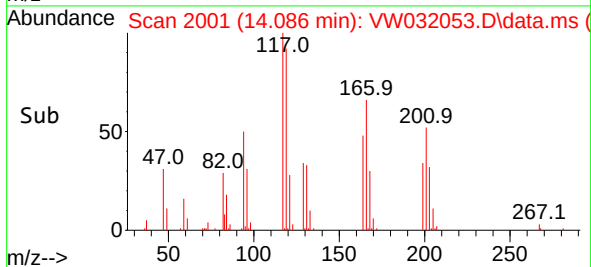
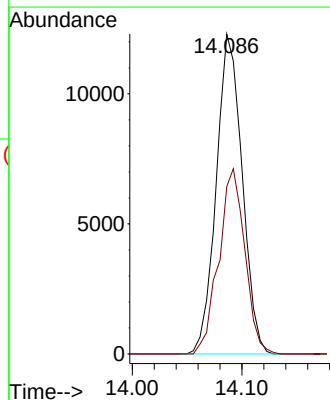
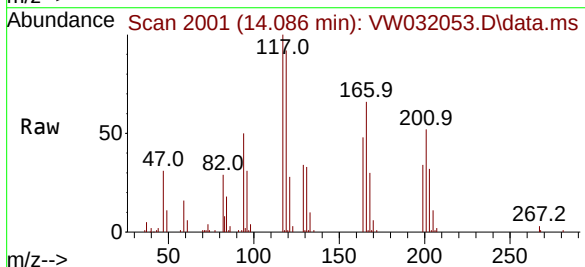
Acq: 11 Aug 2025 09:09

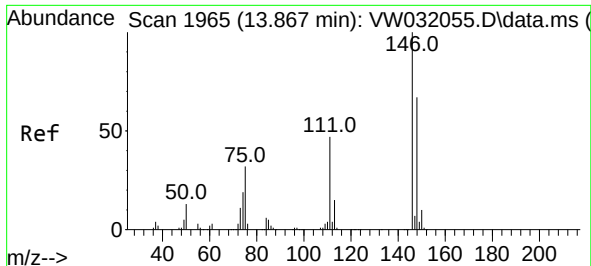
Tgt Ion: 117 Resp: 20175

Ion Ratio Lower Upper

117 100

201 58.3 30.9 92.5





#91

1,2-Dichlorobenzene

Concen: 10.359 ug/l

RT: 13.867 min Scan# 1965

Delta R.T. -0.000 min

Lab File: VW032053.D

Acq: 11 Aug 2025 09:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

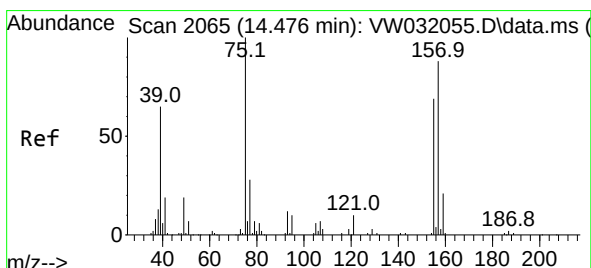
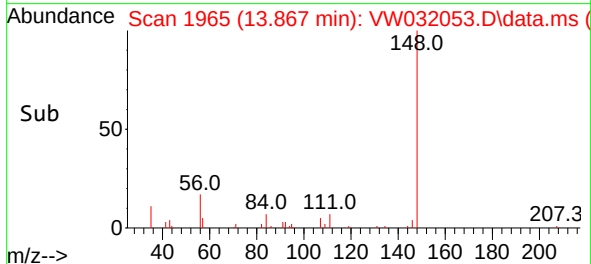
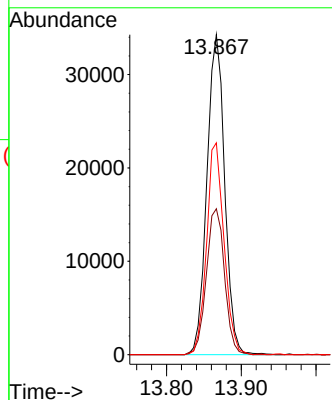
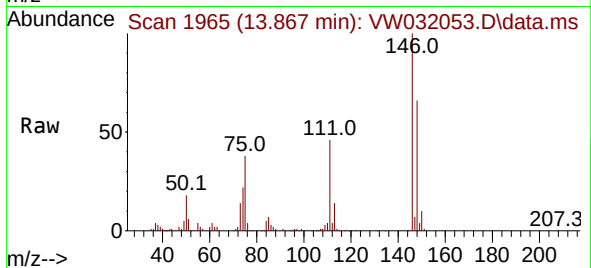
Tgt Ion:146 Resp: 56501

Ion Ratio Lower Upper

146 100

111 46.8 23.1 69.3

148 64.9 32.9 98.6



#92

1,2-Dibromo-3-Chloropropane

Concen: 9.920 ug/l

RT: 14.482 min Scan# 2066

Delta R.T. 0.006 min

Lab File: VW032053.D

Acq: 11 Aug 2025 09:09

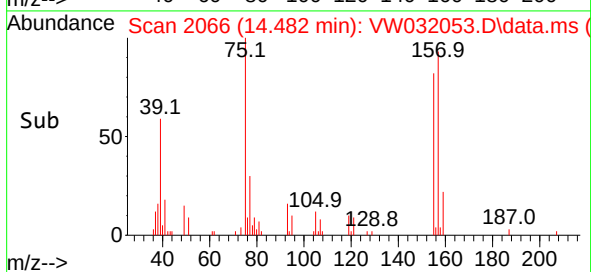
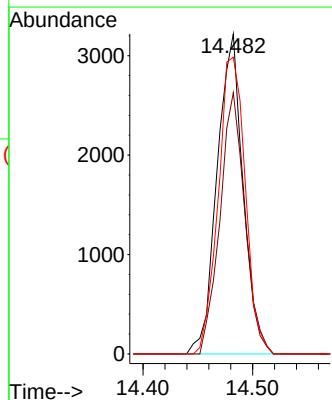
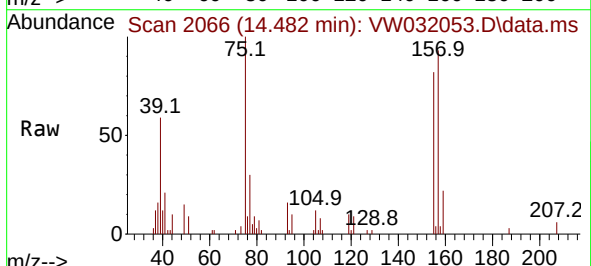
Tgt Ion: 75 Resp: 5305

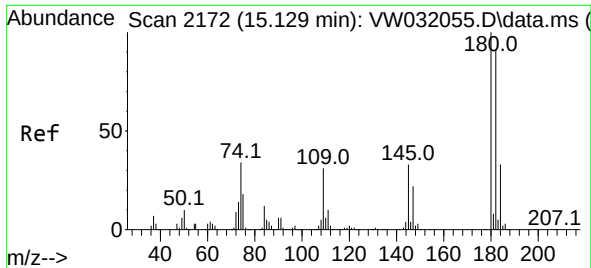
Ion Ratio Lower Upper

75 100

155 77.5 35.2 105.6

157 96.6 47.5 142.6

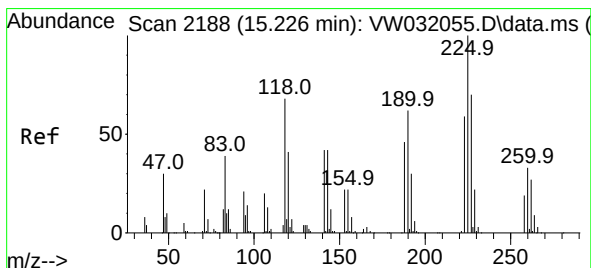
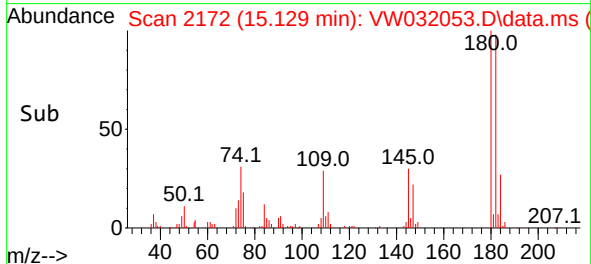
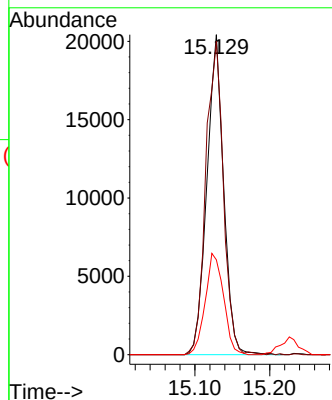
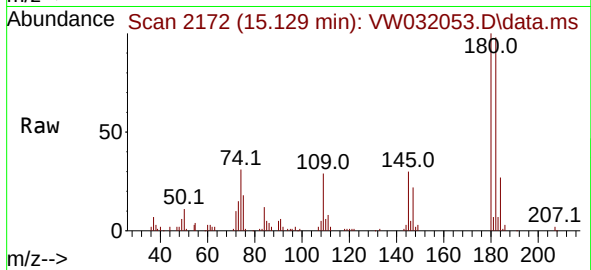




#93
1,2,4-Trichlorobenzene
Concen: 9.751 ug/l
RT: 15.129 min Scan# 2172
Delta R.T. -0.000 min
Lab File: VW032053.D
Acq: 11 Aug 2025 09:09

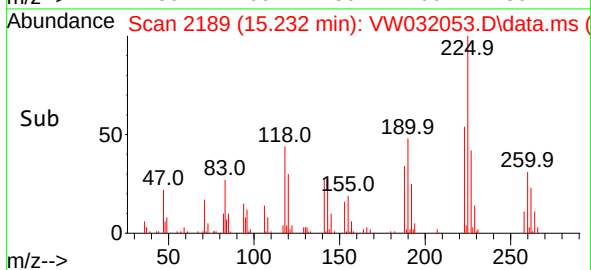
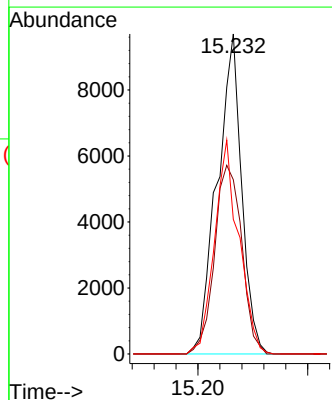
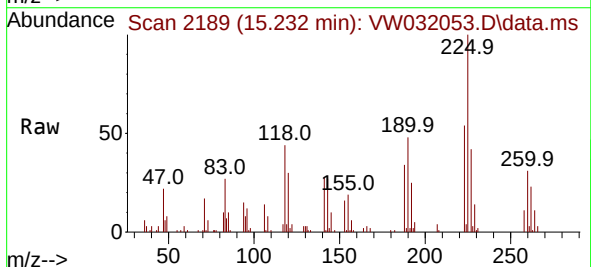
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

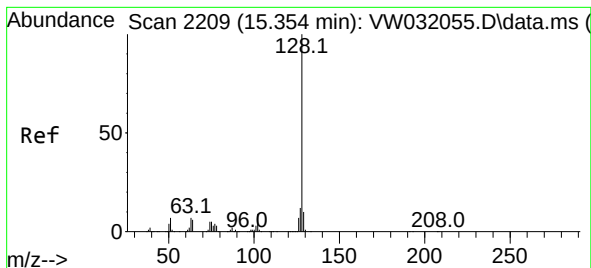
Tgt Ion:180 Resp: 31816
Ion Ratio Lower Upper
180 100
182 102.4 49.0 147.0
145 34.6 17.3 51.9



#94
Hexachlorobutadiene
Concen: 10.276 ug/l
RT: 15.232 min Scan# 2189
Delta R.T. 0.006 min
Lab File: VW032053.D
Acq: 11 Aug 2025 09:09

Tgt Ion:225 Resp: 14987
Ion Ratio Lower Upper
225 100
223 65.5 31.8 95.3
227 66.4 33.5 100.5





#95

Naphthalene

Concen: 9.542 ug/l

RT: 15.360 min Scan# 2210

Delta R.T. 0.006 min

Lab File: VW032053.D

Acq: 11 Aug 2025 09:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

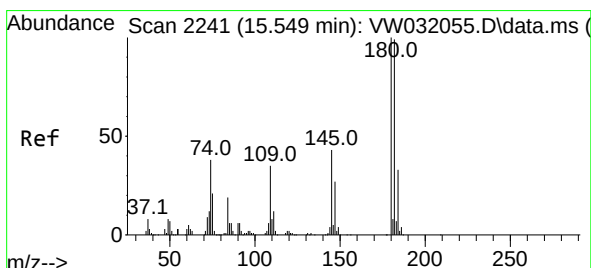
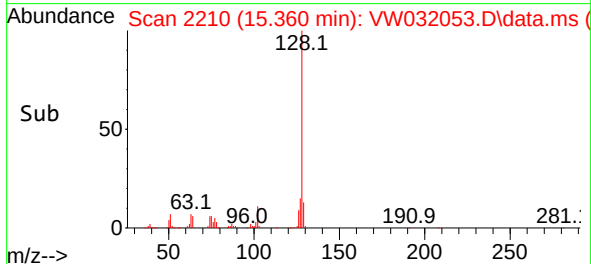
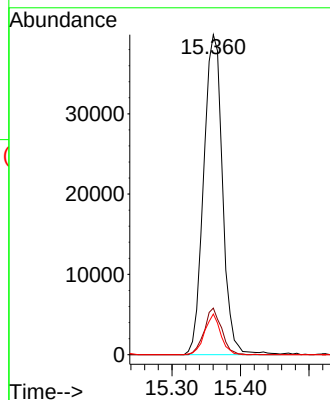
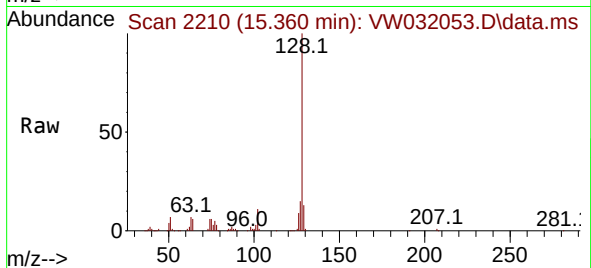
Tgt Ion:128 Resp: 76287

Ion Ratio Lower Upper

128 100

127 13.3 10.5 15.7

129 10.9 8.2 12.4



#96

1,2,3-Trichlorobenzene

Concen: 9.660 ug/l

RT: 15.549 min Scan# 2241

Delta R.T. -0.000 min

Lab File: VW032053.D

Acq: 11 Aug 2025 09:09

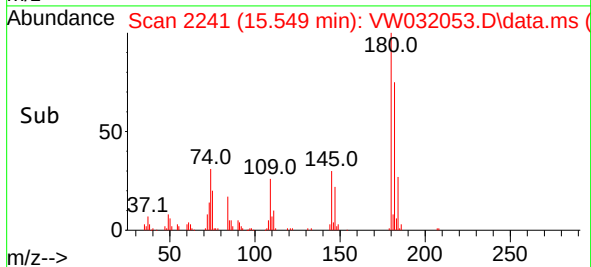
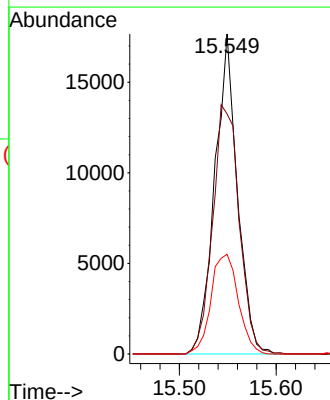
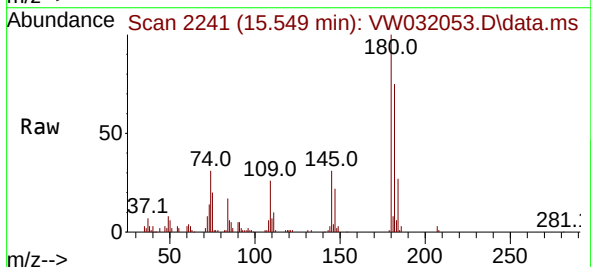
Tgt Ion:180 Resp: 28678

Ion Ratio Lower Upper

180 100

182 91.5 46.0 138.0

145 37.6 19.2 57.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081125\
 Data File : VW032054.D
 Acq On : 11 Aug 2025 09:47
 Operator : SY/MD
 Sample : VSTDICC020
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC020

Quant Time: Aug 12 03:37:51 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 12 03:34:13 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.959	168	221832	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	428395	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	386857	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.550	152	191343	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.313	65	63857	19.904	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	39.800%#
35) Dibromofluoromethane	7.898	113	55788	20.158	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	40.320%#
50) Toluene-d8	10.325	98	206901	20.212	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	40.420%#
62) 4-Bromofluorobenzene	12.617	95	76008	20.149	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	40.300%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.046	85	34171	21.537	ug/l	94
3) Chloromethane	2.253	50	44499	20.821	ug/l	99
4) Vinyl Chloride	2.405	62	57293	22.162	ug/l	91
5) Bromomethane	2.814	94	41008	21.144	ug/l	93
6) Chloroethane	2.966	64	36220	21.173	ug/l	100
7) Trichlorofluoromethane	3.302	101	38977	18.821	ug/l	99
8) Diethyl Ether	3.716	74	34764	20.489	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.088	101	52165	21.351	ug/l	99
10) Methyl Iodide	4.308	142	74197	21.419	ug/l	99
11) Tert butyl alcohol	5.216	59	18539	89.237	ug/l	100
12) 1,1-Dichloroethene	4.076	96	57624	21.419	ug/l	98
13) Acrolein	3.923	56	32512	98.218	ug/l	96
14) Allyl chloride	4.698	41	81458	20.804	ug/l	99
15) Acrylonitrile	5.393	53	75311	93.190	ug/l	98
16) Acetone	4.155	43	67134	90.379	ug/l	99
17) Carbon Disulfide	4.417	76	153247	21.222	ug/l	97
18) Methyl Acetate	4.704	43	43536	18.522	ug/l	100
19) Methyl tert-butyl Ether	5.466	73	96253	20.306	ug/l	99
20) Methylene Chloride	4.948	84	74547	21.706	ug/l	94
21) trans-1,2-Dichloroethene	5.454	96	59717	20.917	ug/l	97
22) Diisopropyl ether	6.338	45	172071	20.846	ug/l	99
23) Vinyl Acetate	6.277	43	539862	99.617	ug/l	99
24) 1,1-Dichloroethane	6.240	63	110835	21.016	ug/l	98
25) 2-Butanone	7.191	43	96191	91.114	ug/l	97
26) 2,2-Dichloropropane	7.179	77	53780	20.327	ug/l	100
27) cis-1,2-Dichloroethene	7.191	96	68545	20.540	ug/l	99
28) Bromochloromethane	7.527	49	48715	20.298	ug/l	99
29) Tetrahydrofuran	7.551	42	64317	92.379	ug/l	98
30) Chloroform	7.691	83	117474	21.011	ug/l	97
31) Cyclohexane	7.965	56	95253	20.833	ug/l	98
32) 1,1,1-Trichloroethane	7.880	97	85600	21.078	ug/l	97
36) 1,1-Dichloropropene	8.087	75	80811	20.712	ug/l	99
37) Ethyl Acetate	7.270	43	41235	17.945	ug/l	98
38) Carbon Tetrachloride	8.081	117	77289	20.527	ug/l	91
39) Methylcyclohexane	9.337	83	97412	20.484	ug/l	94
40) Benzene	8.331	78	246590	20.333	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081125\
 Data File : VW032054.D
 Acq On : 11 Aug 2025 09:47
 Operator : SY/MD
 Sample : VSTDICC020
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC020

Quant Time: Aug 12 03:37:51 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 12 03:34:13 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.496	41	25075	19.242	ug/l	97
42) 1,2-Dichloroethane	8.410	62	78543	20.239	ug/l	99
43) Isopropyl Acetate	8.435	43	78887	18.660	ug/l	98
44) Trichloroethene	9.099	130	58636	20.302	ug/l	99
45) 1,2-Dichloropropane	9.374	63	60346	20.597	ug/l	100
46) Dibromomethane	9.465	93	37580	19.873	ug/l	98
47) Bromodichloromethane	9.648	83	86577	19.869	ug/l	92
48) Methyl methacrylate	9.441	41	38175	18.704	ug/l	97
49) 1,4-Dioxane	9.459	88	8924	364.998	ug/l	97
51) 4-Methyl-2-Pentanone	10.209	43	220661	92.472	ug/l	99
52) Toluene	10.392	92	155974	20.418	ug/l	98
53) t-1,3-Dichloropropene	10.605	75	79452	19.463	ug/l	97
54) cis-1,3-Dichloropropene	10.075	75	90828	19.612	ug/l	96
55) 1,1,2-Trichloroethane	10.788	97	49974	19.888	ug/l	95
56) Ethyl methacrylate	10.648	69	62694	18.645	ug/l	97
57) 1,3-Dichloropropane	10.934	76	86678	19.790	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.928	63	176339	94.809	ug/l	98
59) 2-Hexanone	10.971	43	151264	91.530	ug/l	100
60) Dibromochloromethane	11.130	129	56607	19.721	ug/l	100
61) 1,2-Dibromoethane	11.233	107	47302	19.371	ug/l	100
64) Tetrachloroethene	10.861	164	45660	20.434	ug/l	99
65) Chlorobenzene	11.654	112	169830	20.169	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.727	131	52937	20.150	ug/l	98
67) Ethyl Benzene	11.727	91	297193	20.836	ug/l	97
68) m/p-Xylenes	11.837	106	233224	42.376	ug/l	98
69) o-Xylene	12.166	106	104192	20.482	ug/l	100
70) Styrene	12.178	104	189664	20.991	ug/l	98
71) Bromoform	12.349	173	28540	18.991	ug/l #	96
73) Isopropylbenzene	12.459	105	269829	20.178	ug/l	99
74) N-amyl acetate	12.270	43	69075	18.005	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.709	83	58836	18.531	ug/l	99
76) 1,2,3-Trichloropropane	12.763	75	73585	25.017	ug/l	63
77) Bromobenzene	12.745	156	61389	19.221	ug/l	98
78) n-propylbenzene	12.800	91	337098	20.476	ug/l	100
79) 2-Chlorotoluene	12.885	91	203918	20.069	ug/l	100
80) 1,3,5-Trimethylbenzene	12.940	105	229615	20.226	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.507	75	17512	17.458	ug/l	92
82) 4-Chlorotoluene	12.983	91	218637	20.253	ug/l	98
83) tert-Butylbenzene	13.202	119	194168	20.608	ug/l	98
84) 1,2,4-Trimethylbenzene	13.245	105	240078	20.774	ug/l	100
85) sec-Butylbenzene	13.379	105	292689	20.547	ug/l	97
86) p-Isopropyltoluene	13.495	119	245081	20.638	ug/l	99
87) 1,3-Dichlorobenzene	13.495	146	128893	20.282	ug/l	99
88) 1,4-Dichlorobenzene	13.574	146	133097	20.724	ug/l	97
89) n-Butylbenzene	13.818	91	234522	20.328	ug/l	99
90) Hexachloroethane	14.086	117	43226	19.904	ug/l	93
91) 1,2-Dichlorobenzene	13.861	146	114056	19.812	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.476	75	10011	17.736	ug/l	95
93) 1,2,4-Trichlorobenzene	15.123	180	69229	20.102	ug/l	95
94) Hexachlorobutadiene	15.226	225	30358	19.720	ug/l	91
95) Naphthalene	15.360	128	153137	18.147	ug/l	98
96) 1,2,3-Trichlorobenzene	15.543	180	61526	19.635	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081125\
Data File : VW032054.D
Acq On : 11 Aug 2025 09:47
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Quant Time: Aug 12 03:37:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 12 03:34:13 2025
Response via : Initial Calibration

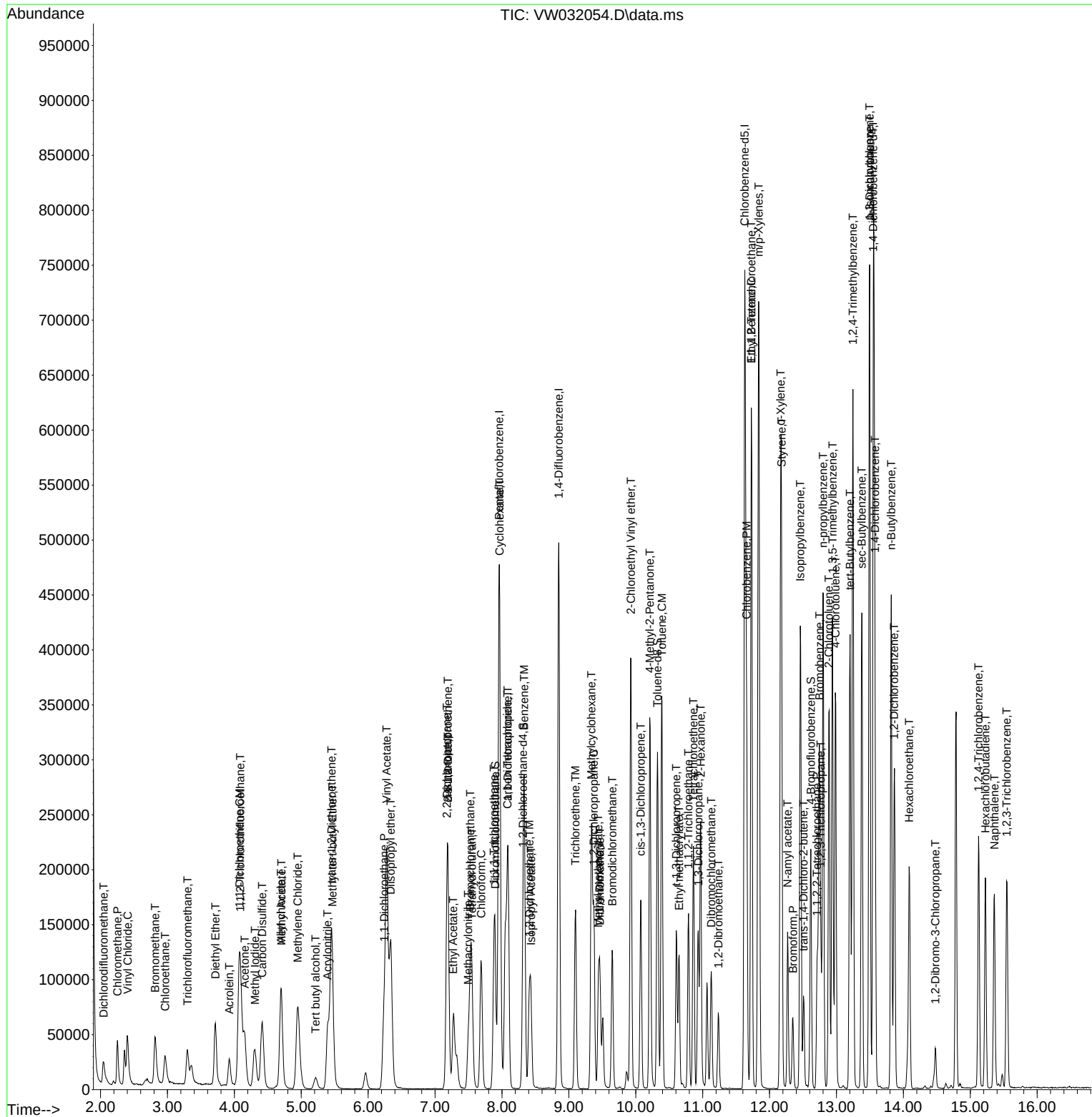
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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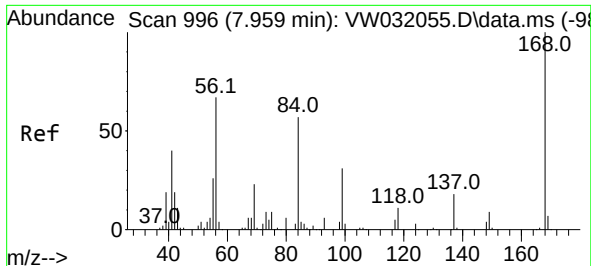
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Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081125\
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Acq On : 11 Aug 2025 09:47
Operator : SY/MD
Sample : VSTDIC020
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Quant Time: Aug 12 03:37:51 2025
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QLast Update : Tue Aug 12 03:34:13 2025
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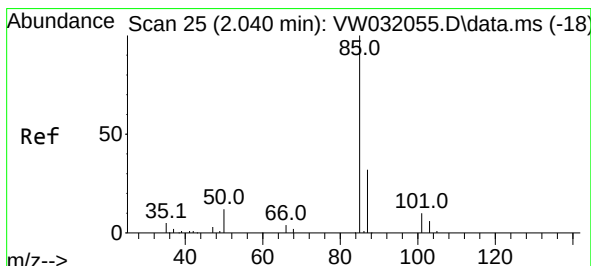
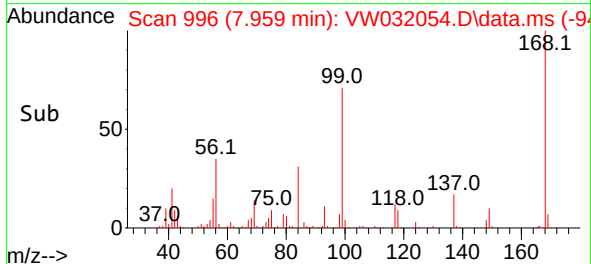
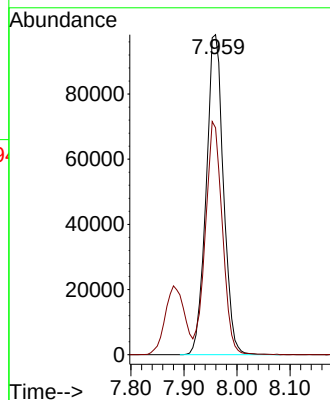
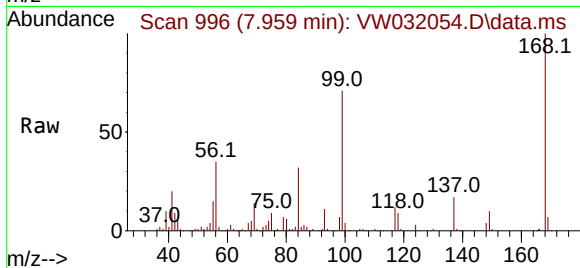




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 99
Delta R.T. 0.000 min
Lab File: VW032054.D
Acq: 11 Aug 2025 09:47

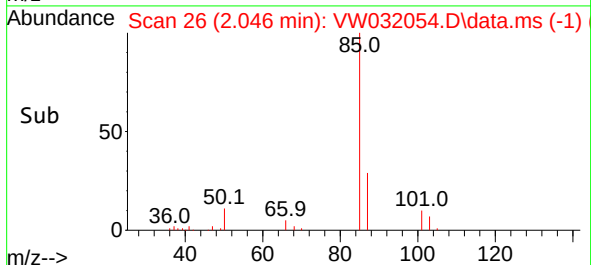
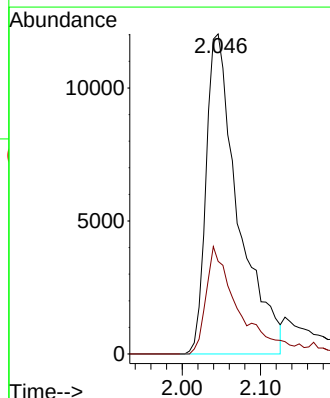
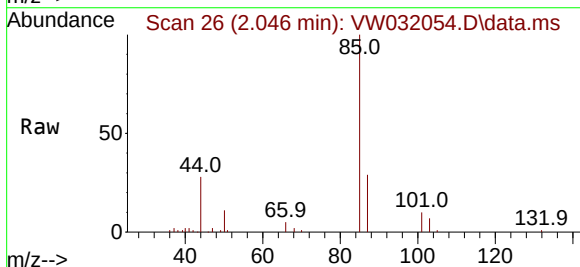
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MSVOA_W
ClientSampleId :
VSTDICC020

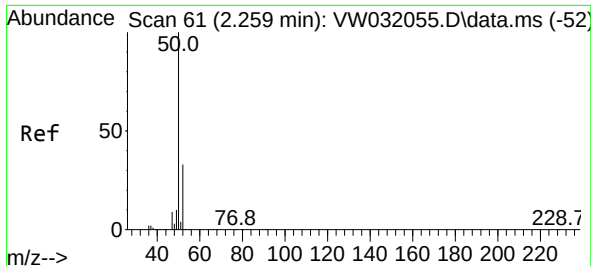
Tgt Ion:168 Resp: 221832
Ion Ratio Lower Upper
168 100
99 70.9 56.0 84.0



#2
Dichlorodifluoromethane
Concen: 21.537 ug/l
RT: 2.046 min Scan# 26
Delta R.T. 0.006 min
Lab File: VW032054.D
Acq: 11 Aug 2025 09:47

Tgt Ion: 85 Resp: 34171
Ion Ratio Lower Upper
85 100
87 29.0 16.2 48.6

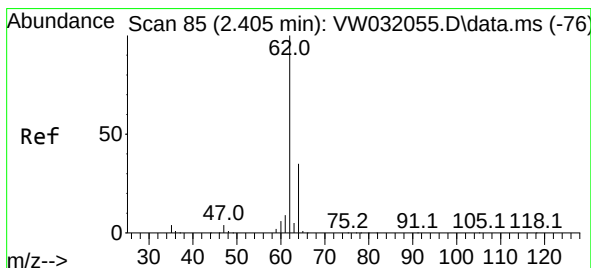
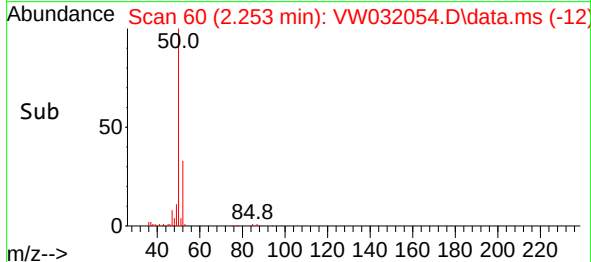
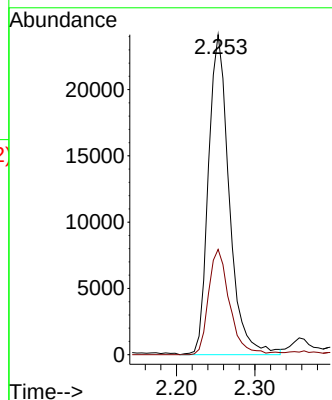
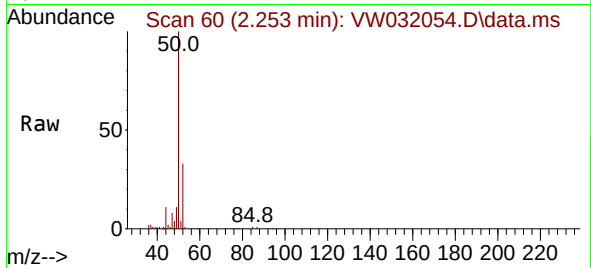




#3
Chloromethane
Concen: 20.821 ug/l
RT: 2.253 min Scan# 60
Delta R.T. -0.006 min
Lab File: VW032054.D
Acq: 11 Aug 2025 09:47

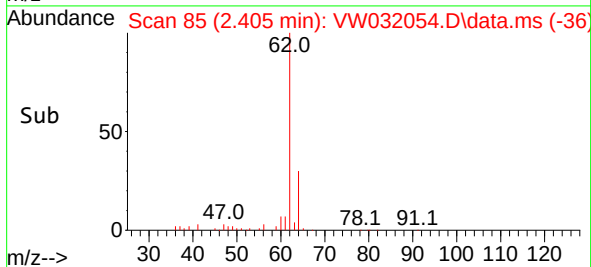
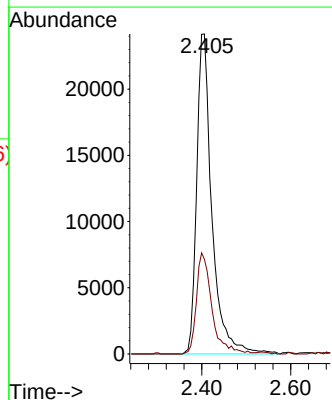
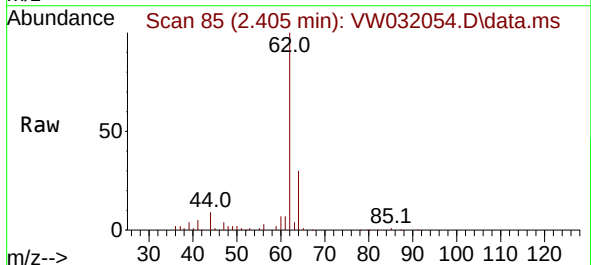
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ClientSampleId :
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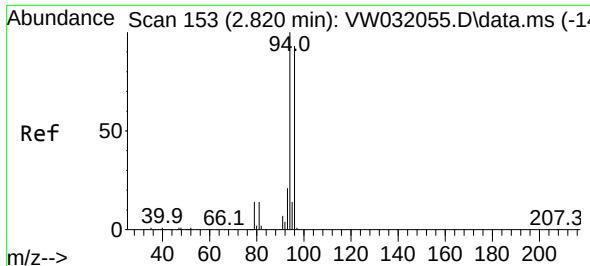
Tgt Ion: 50 Resp: 44499
Ion Ratio Lower Upper
50 100
52 32.9 26.6 39.8



#4
Vinyl Chloride
Concen: 22.162 ug/l
RT: 2.405 min Scan# 85
Delta R.T. 0.000 min
Lab File: VW032054.D
Acq: 11 Aug 2025 09:47

Tgt Ion: 62 Resp: 57293
Ion Ratio Lower Upper
62 100
64 29.6 27.8 41.6

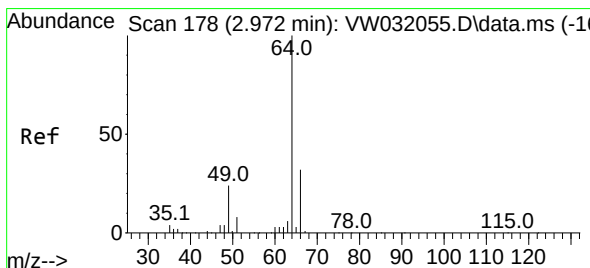
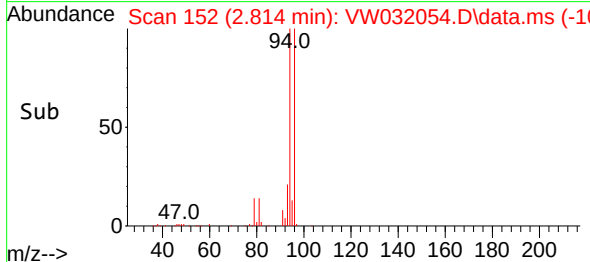
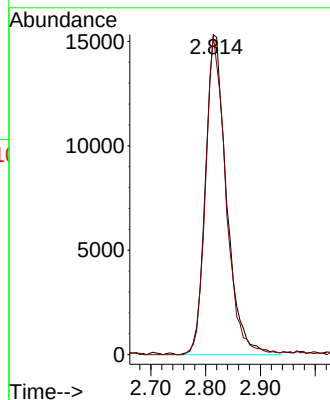
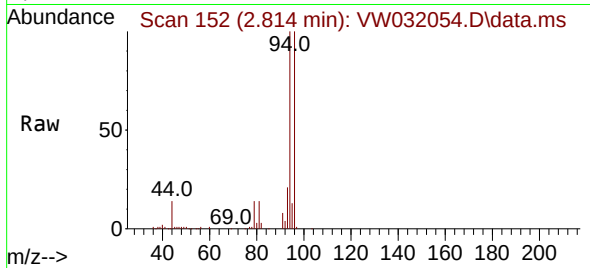




#5
Bromomethane
Concen: 21.144 ug/l
RT: 2.814 min Scan# 11
Delta R.T. -0.006 min
Lab File: VW032054.D
Acq: 11 Aug 2025 09:47

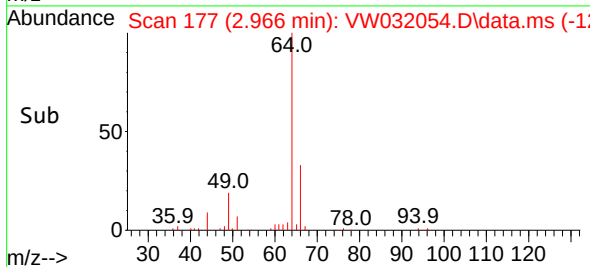
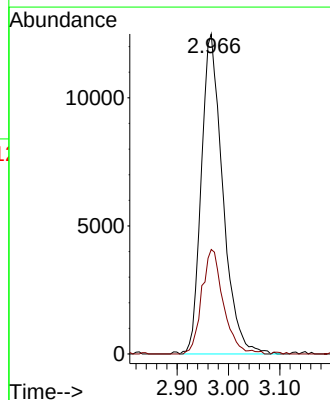
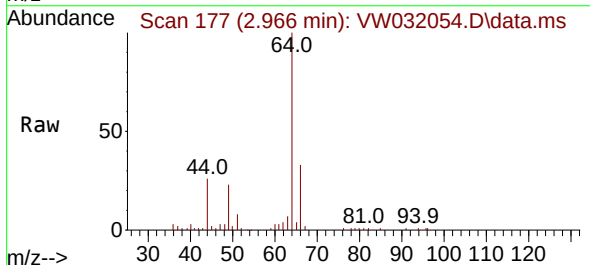
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

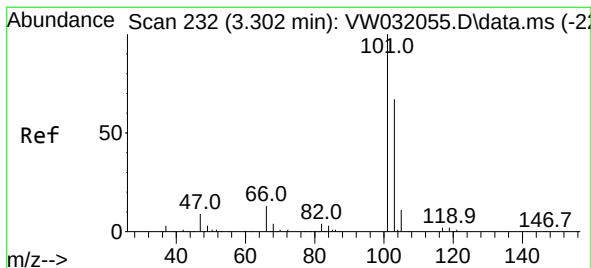
Tgt Ion: 94 Resp: 41008
Ion Ratio Lower Upper
94 100
96 99.7 74.7 112.1



#6
Chloroethane
Concen: 21.173 ug/l
RT: 2.966 min Scan# 177
Delta R.T. -0.006 min
Lab File: VW032054.D
Acq: 11 Aug 2025 09:47

Tgt Ion: 64 Resp: 36220
Ion Ratio Lower Upper
64 100
66 32.7 26.0 39.0

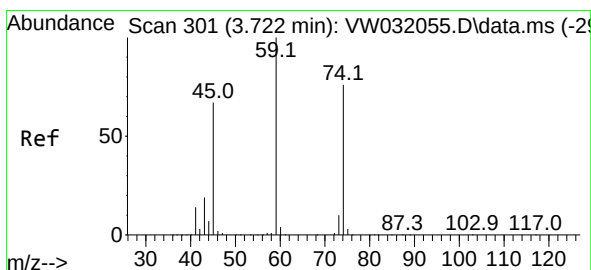
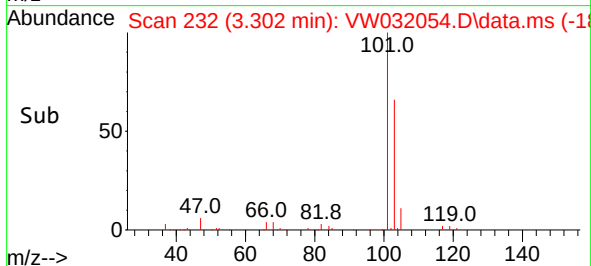
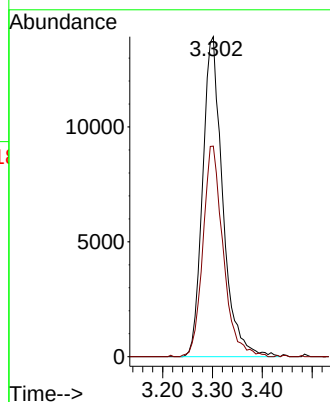
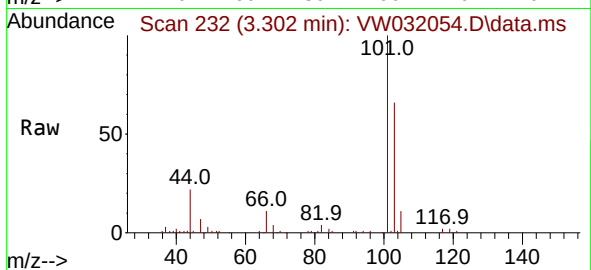




#7
Trichlorofluoromethane
Concen: 18.821 ug/l
RT: 3.302 min Scan# 21
Delta R.T. 0.000 min
Lab File: VW032054.D
Acq: 11 Aug 2025 09:47

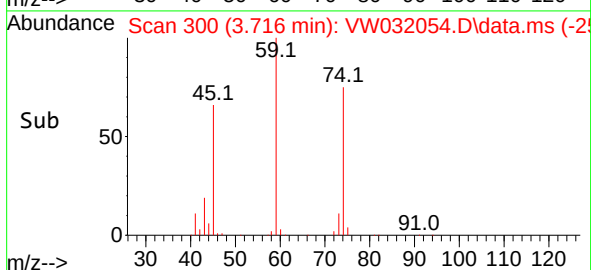
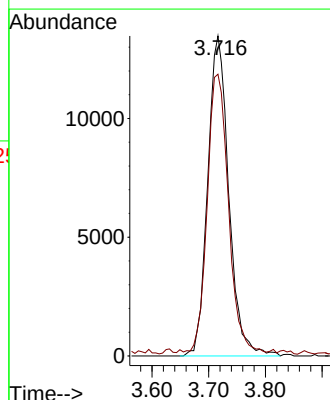
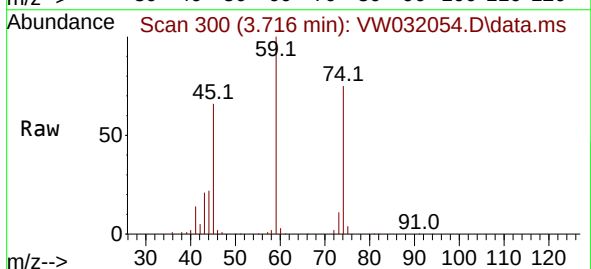
Instrument :
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ClientSampleId :
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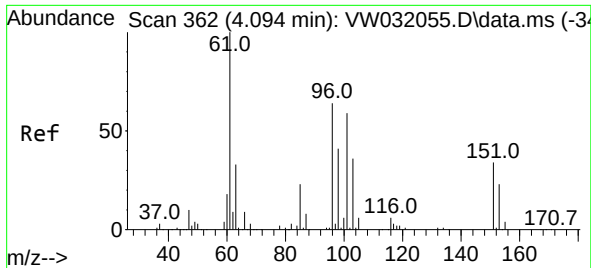
Tgt Ion:101 Resp: 38977
Ion Ratio Lower Upper
101 100
103 65.8 53.4 80.0



#8
Diethyl Ether
Concen: 20.489 ug/l
RT: 3.716 min Scan# 300
Delta R.T. -0.006 min
Lab File: VW032054.D
Acq: 11 Aug 2025 09:47

Tgt Ion: 74 Resp: 34764
Ion Ratio Lower Upper
74 100
45 86.6 45.4 136.2

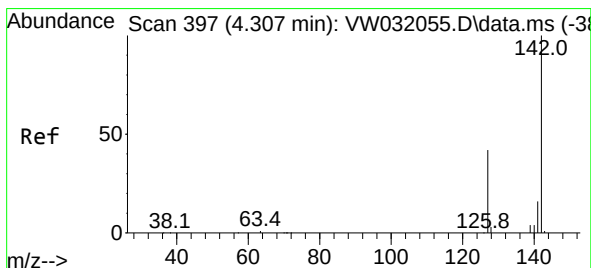
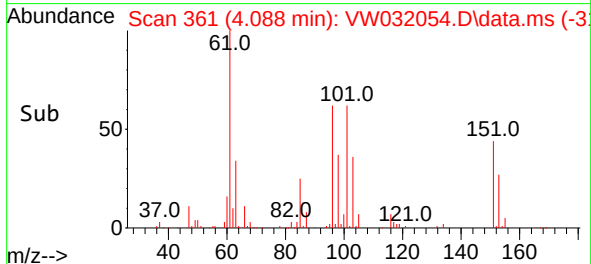
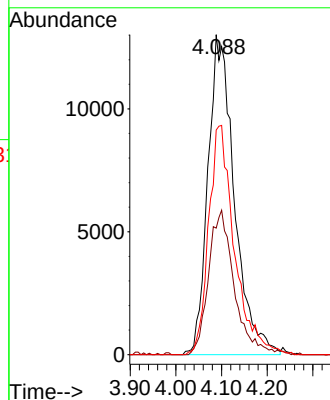
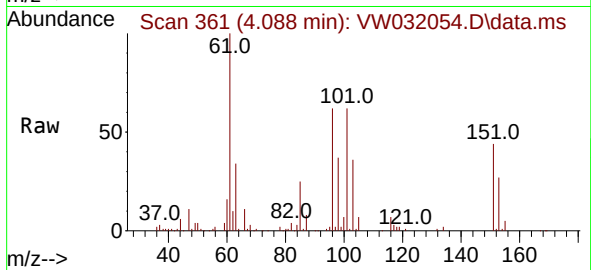




#9
1,1,2-Trichlorotrifluoroethane
Concen: 21.351 ug/l
RT: 4.088 min Scan# 361
Delta R.T. -0.006 min
Lab File: VW032054.D
Acq: 11 Aug 2025 09:47

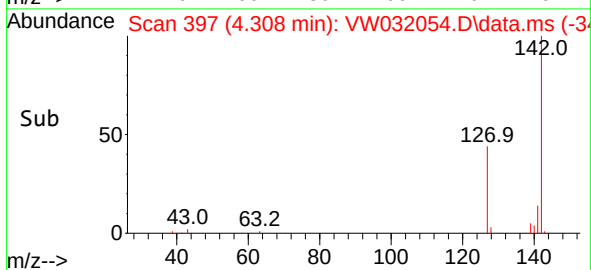
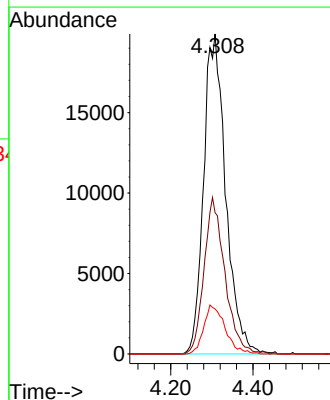
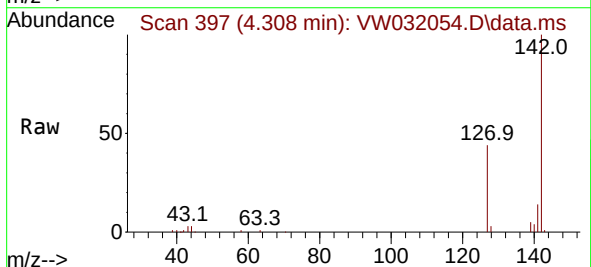
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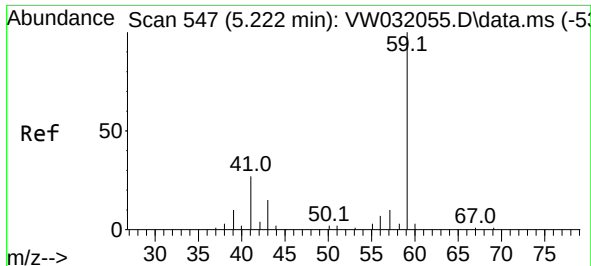
Tgt Ion:101 Resp: 52165
Ion Ratio Lower Upper
101 100
85 44.1 34.9 52.3
151 70.0 56.2 84.4



#10
Methyl Iodide
Concen: 21.419 ug/l
RT: 4.308 min Scan# 397
Delta R.T. 0.000 min
Lab File: VW032054.D
Acq: 11 Aug 2025 09:47

Tgt Ion:142 Resp: 74197
Ion Ratio Lower Upper
142 100
127 46.1 36.6 55.0
141 14.8 12.1 18.1

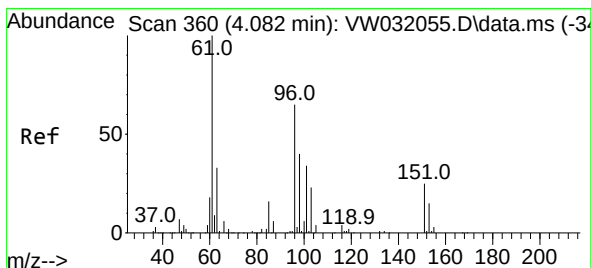
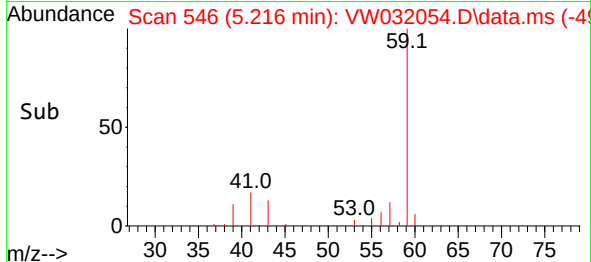
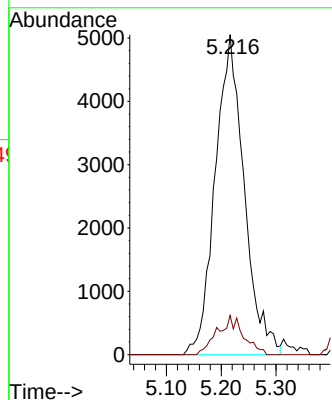
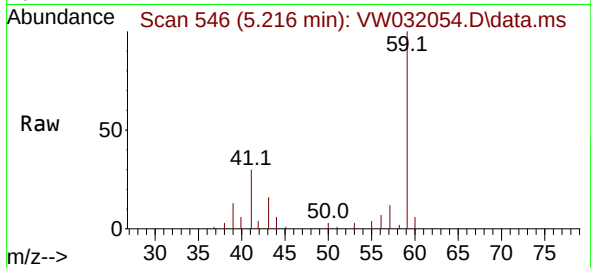




#11
Tert butyl alcohol
Concen: 89.237 ug/l
RT: 5.216 min Scan# 54
Delta R.T. -0.006 min
Lab File: VW032054.D
Acq: 11 Aug 2025 09:47

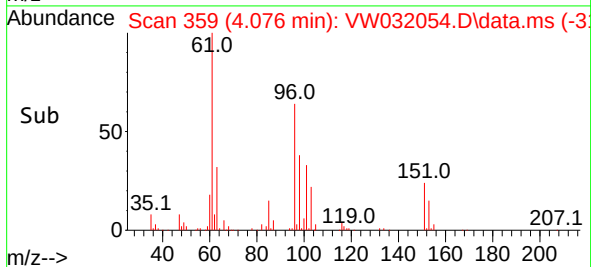
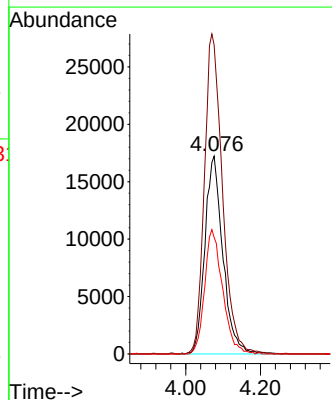
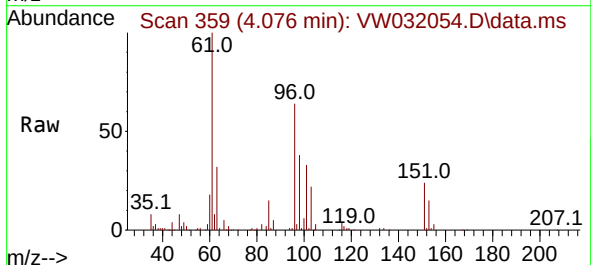
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ClientSampleId :
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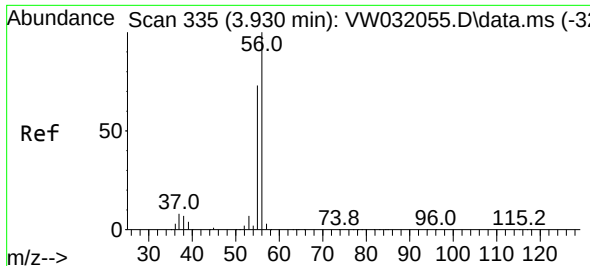
Tgt Ion: 59 Resp: 18539
Ion Ratio Lower Upper
59 100
57 10.9 8.7 13.1



#12
1,1-Dichloroethene
Concen: 21.419 ug/l
RT: 4.076 min Scan# 359
Delta R.T. -0.006 min
Lab File: VW032054.D
Acq: 11 Aug 2025 09:47

Tgt Ion: 96 Resp: 57624
Ion Ratio Lower Upper
96 100
61 156.3 123.4 185.2
98 59.0 49.5 74.3

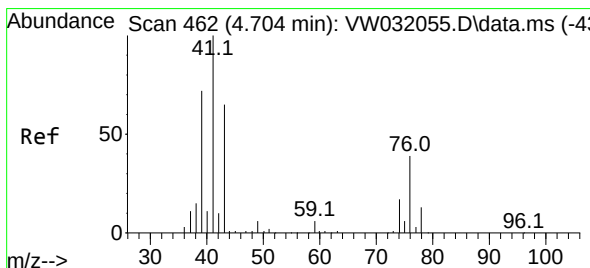
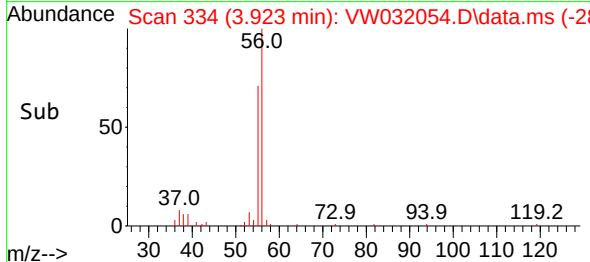
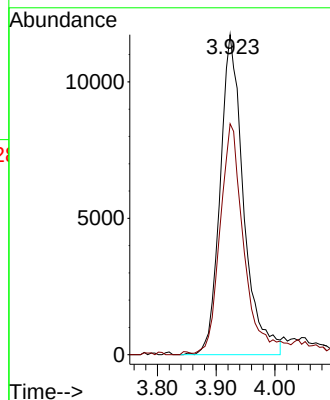
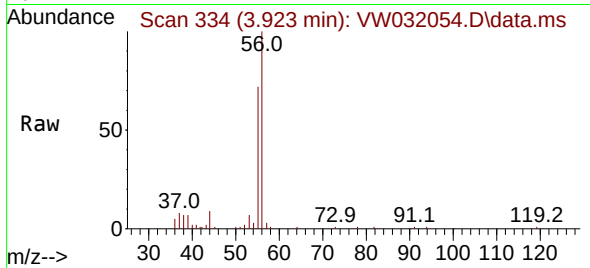




#13
Acrolein
Concen: 98.218 ug/l
RT: 3.923 min Scan# 311
Delta R.T. -0.006 min
Lab File: VW032054.D
Acq: 11 Aug 2025 09:47

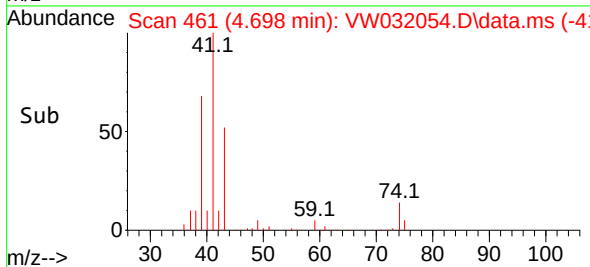
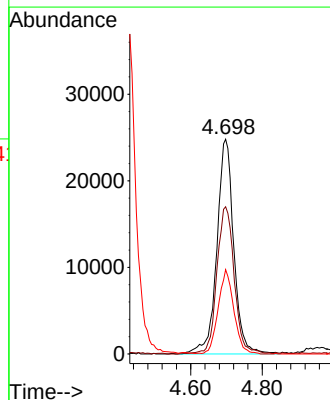
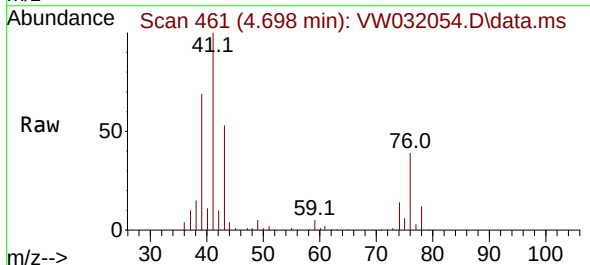
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

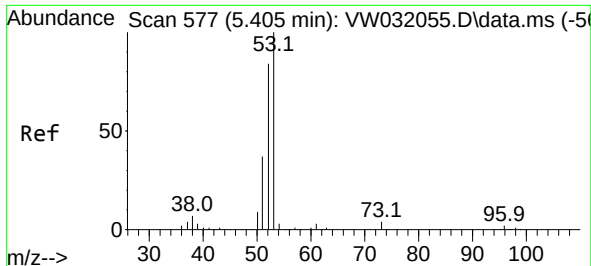
Tgt Ion: 56 Resp: 32512
Ion Ratio Lower Upper
56 100
55 72.7 55.4 83.2



#14
Allyl chloride
Concen: 20.804 ug/l
RT: 4.698 min Scan# 461
Delta R.T. -0.006 min
Lab File: VW032054.D
Acq: 11 Aug 2025 09:47

Tgt Ion: 41 Resp: 81458
Ion Ratio Lower Upper
41 100
39 69.3 54.5 81.7
76 36.3 29.3 43.9

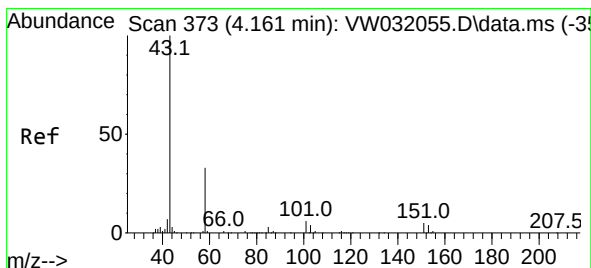
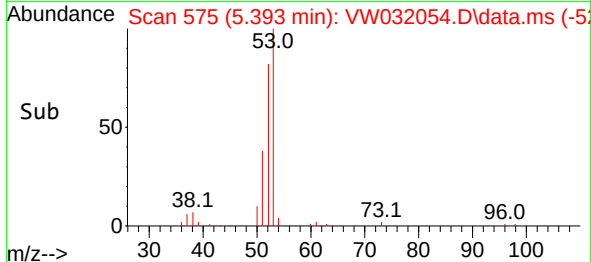
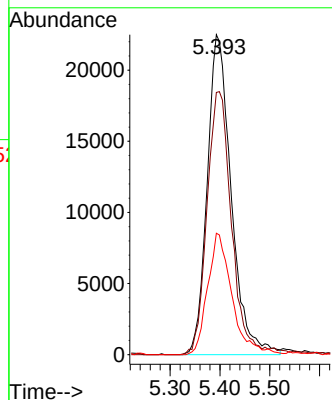
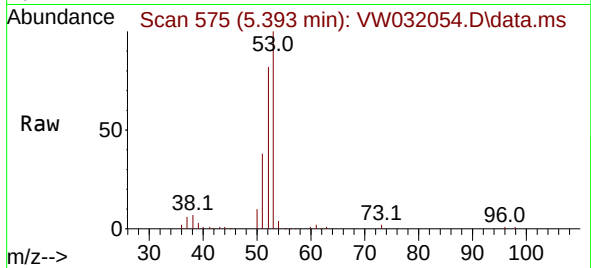




#15
Acrylonitrile
Concen: 93.190 ug/l
RT: 5.393 min Scan# 51
Delta R.T. -0.012 min
Lab File: VW032054.D
Acq: 11 Aug 2025 09:47

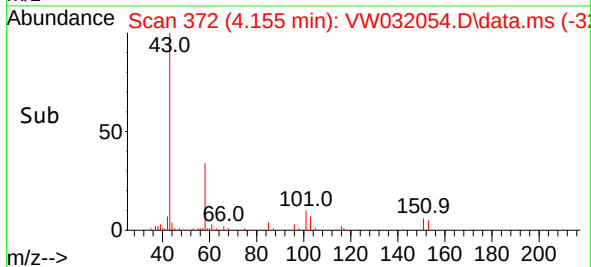
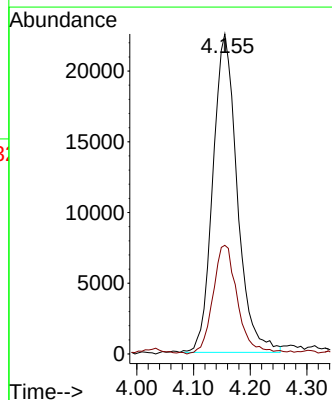
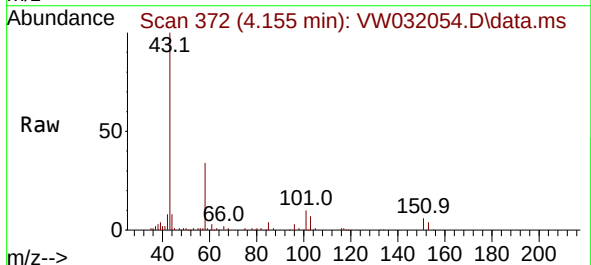
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

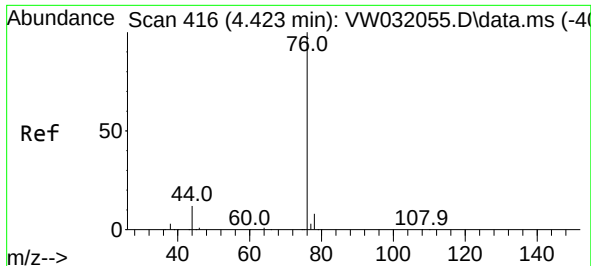
Tgt Ion: 53	Resp: 75311
Ion Ratio	Lower Upper
53 100	
52 84.2	66.1 99.1
51 38.4	29.2 43.8



#16
Acetone
Concen: 90.379 ug/l
RT: 4.155 min Scan# 372
Delta R.T. -0.006 min
Lab File: VW032054.D
Acq: 11 Aug 2025 09:47

Tgt Ion: 43	Resp: 67134
Ion Ratio	Lower Upper
43 100	
58 33.6	26.6 39.8

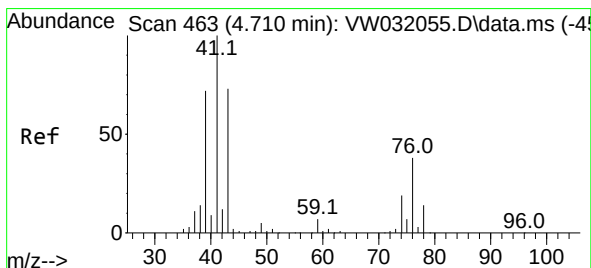
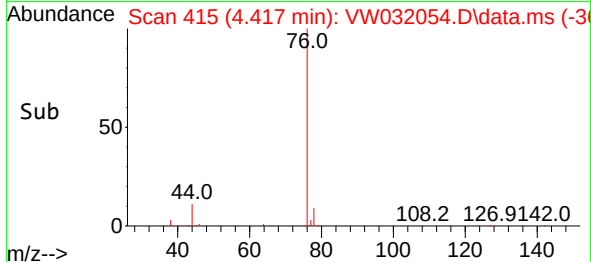
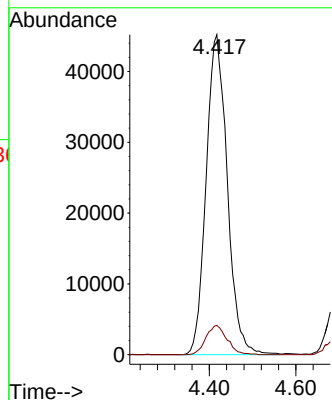
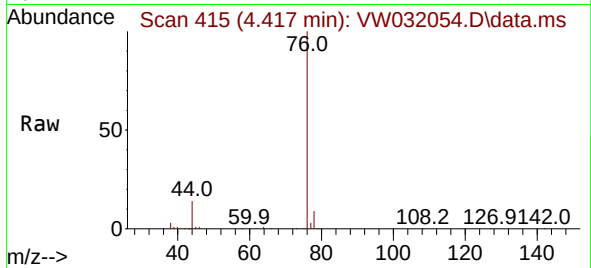




#17
Carbon Disulfide
Concen: 21.222 ug/l
RT: 4.417 min Scan# 416
Delta R.T. -0.006 min
Lab File: VW032054.D
Acq: 11 Aug 2025 09:47

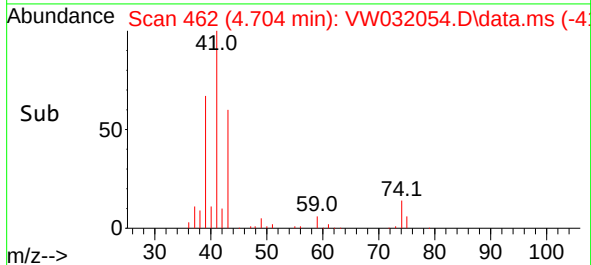
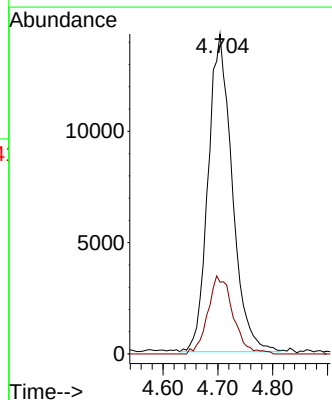
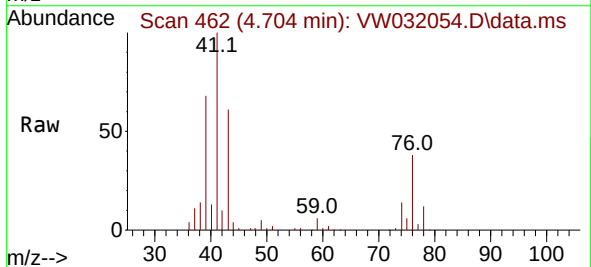
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

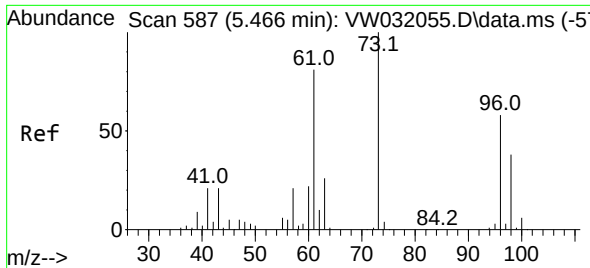
Tgt Ion: 76 Resp: 153247
Ion Ratio Lower Upper
76 100
78 9.2 6.4 9.6



#18
Methyl Acetate
Concen: 18.522 ug/l
RT: 4.704 min Scan# 462
Delta R.T. -0.006 min
Lab File: VW032054.D
Acq: 11 Aug 2025 09:47

Tgt Ion: 43 Resp: 43536
Ion Ratio Lower Upper
43 100
74 25.7 20.6 31.0

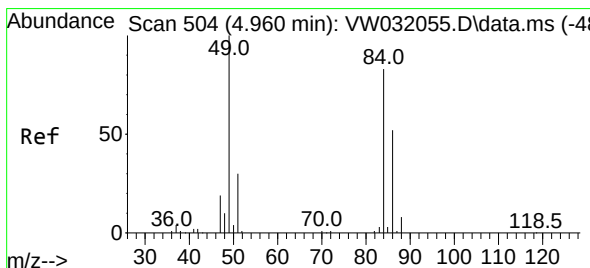
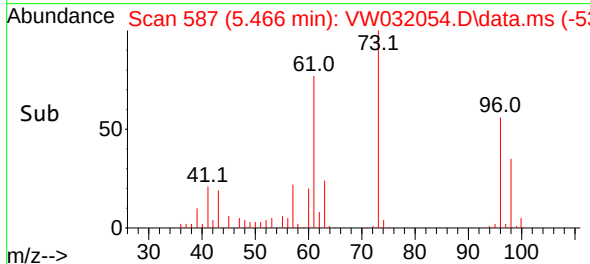
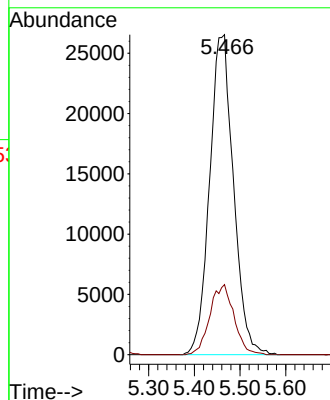
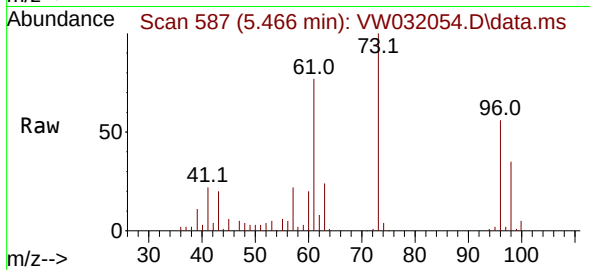




#19
Methyl tert-butyl Ether
Concen: 20.306 ug/l
RT: 5.466 min Scan# 51
Delta R.T. 0.000 min
Lab File: VW032054.D
Acq: 11 Aug 2025 09:47

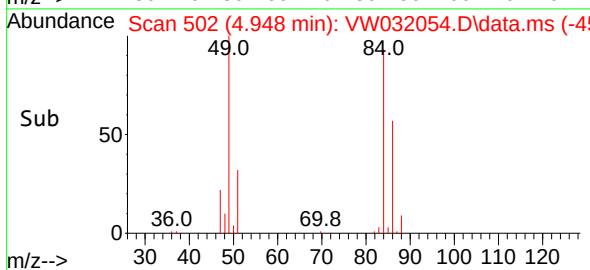
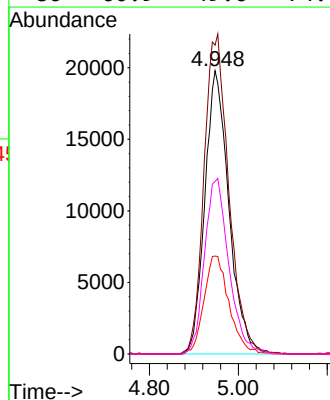
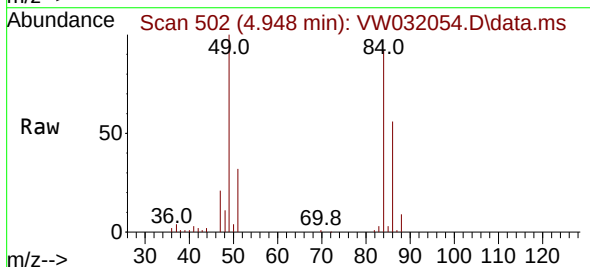
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

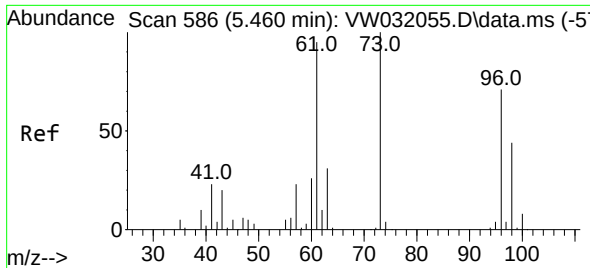
Tgt Ion: 73 Resp: 96253
Ion Ratio Lower Upper
73 100
57 21.9 17.2 25.8



#20
Methylene Chloride
Concen: 21.706 ug/l
RT: 4.948 min Scan# 502
Delta R.T. -0.012 min
Lab File: VW032054.D
Acq: 11 Aug 2025 09:47

Tgt Ion: 84 Resp: 74547
Ion Ratio Lower Upper
84 100
49 109.1 95.9 143.9
51 34.6 28.6 43.0
86 60.9 49.6 74.4

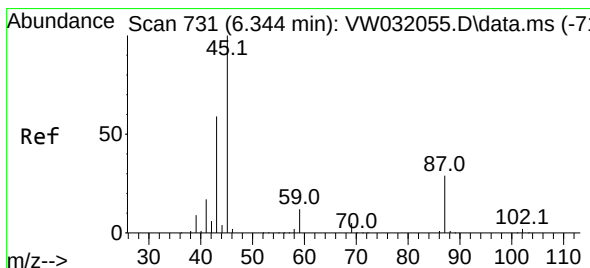
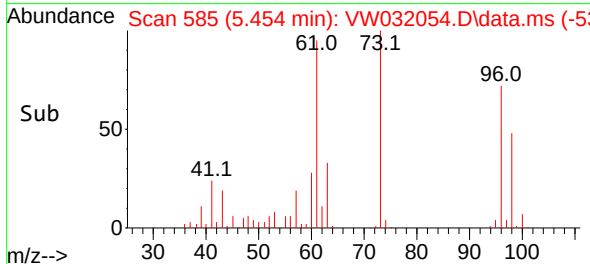
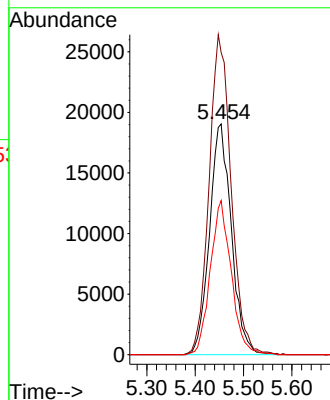
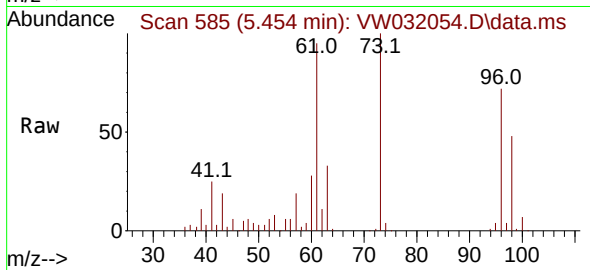




#21
trans-1,2-Dichloroethene
Concen: 20.917 ug/l
RT: 5.454 min Scan# 586
Delta R.T. -0.006 min
Lab File: VW032054.D
Acq: 11 Aug 2025 09:47

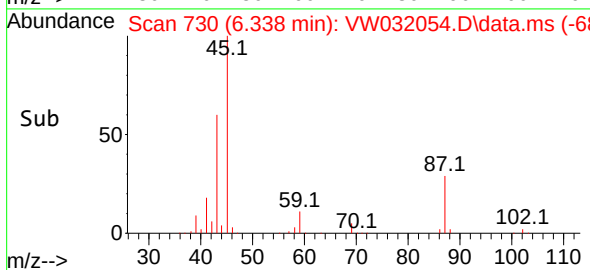
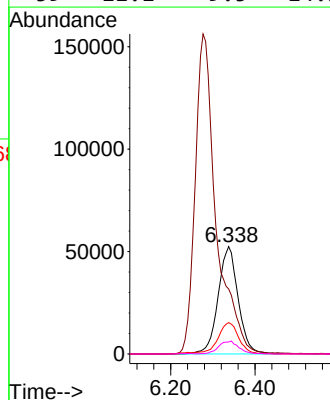
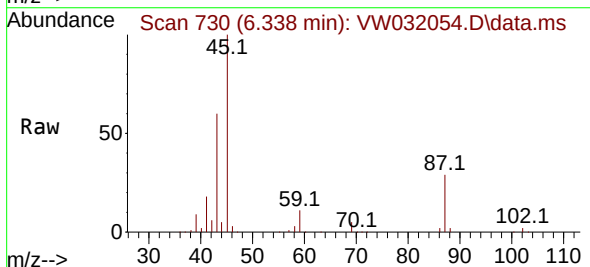
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

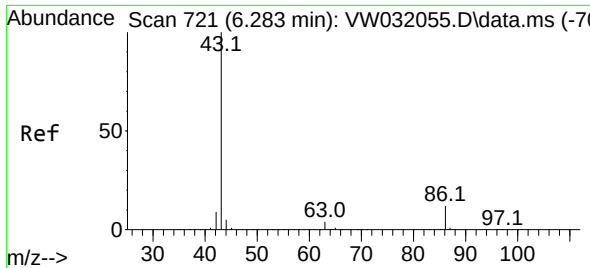
Tgt Ion: 96 Resp: 59717
Ion Ratio Lower Upper
96 100
61 131.0 106.8 160.2
98 66.8 49.6 74.4



#22
Diisopropyl ether
Concen: 20.846 ug/l
RT: 6.338 min Scan# 730
Delta R.T. -0.006 min
Lab File: VW032054.D
Acq: 11 Aug 2025 09:47

Tgt Ion: 45 Resp: 172071
Ion Ratio Lower Upper
45 100
43 59.6 47.0 70.4
87 29.2 23.8 35.8
59 11.1 9.5 14.3

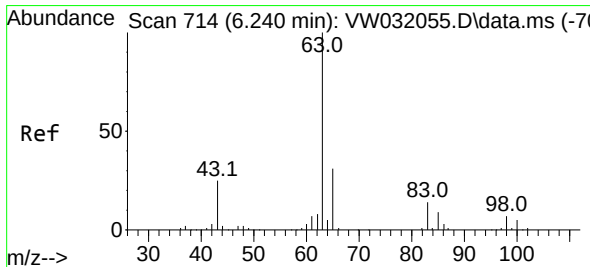
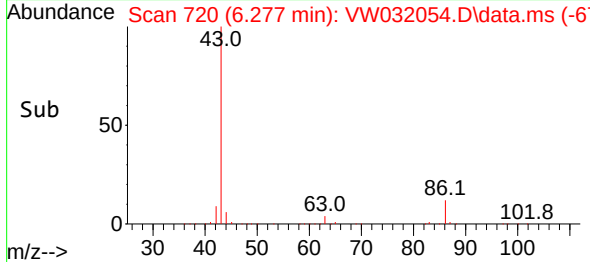
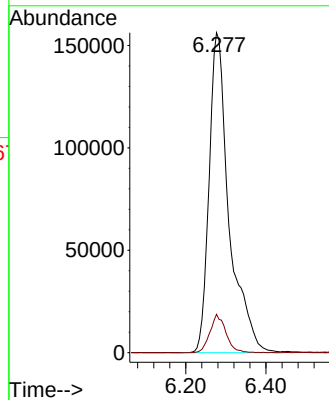
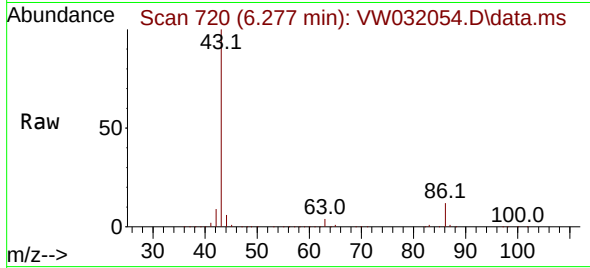




#23
 Vinyl Acetate
 Concen: 99.617 ug/l
 RT: 6.277 min Scan# 714
 Delta R.T. -0.006 min
 Lab File: VW032054.D
 Acq: 11 Aug 2025 09:47

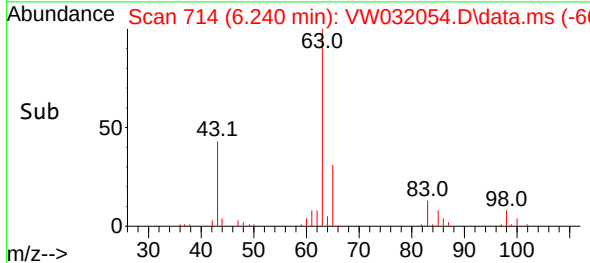
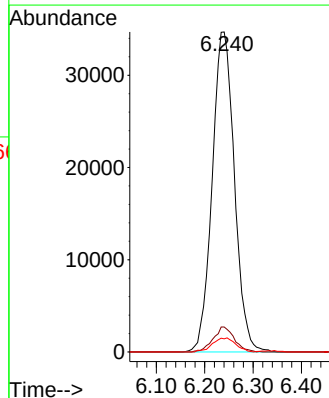
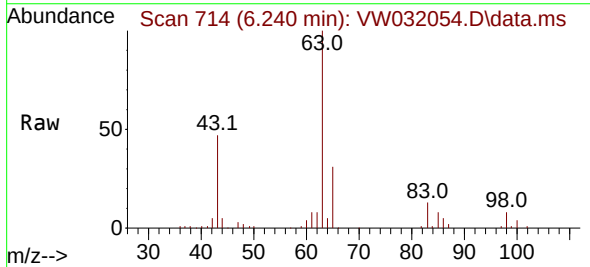
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

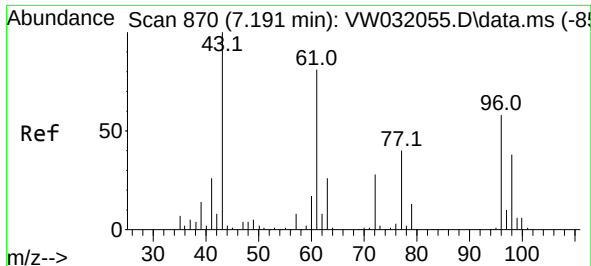
Tgt Ion: 43 Resp: 539862
 Ion Ratio Lower Upper
 43 100
 86 12.0 9.4 14.0



#24
 1,1-Dichloroethane
 Concen: 21.016 ug/l
 RT: 6.240 min Scan# 714
 Delta R.T. 0.000 min
 Lab File: VW032054.D
 Acq: 11 Aug 2025 09:47

Tgt Ion: 63 Resp: 110835
 Ion Ratio Lower Upper
 63 100
 98 7.8 3.7 11.1
 100 4.1 2.5 7.4

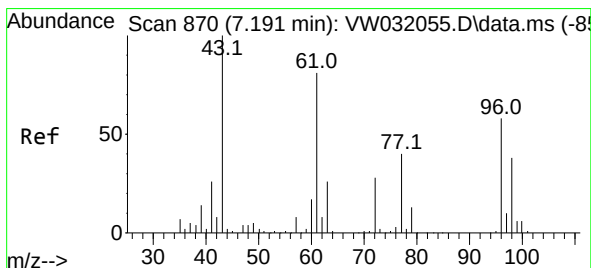
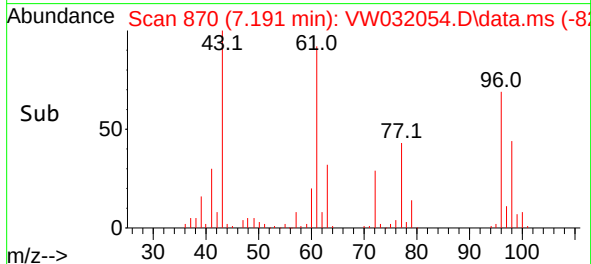
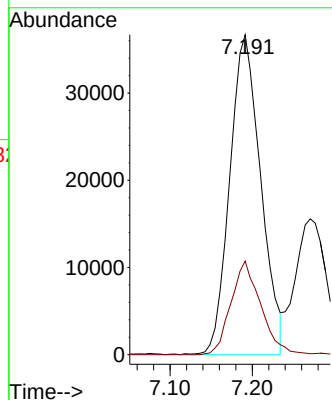
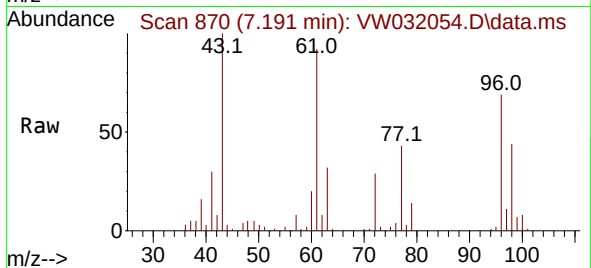




#25
2-Butanone
Concen: 91.114 ug/l
RT: 7.191 min Scan# 81
Delta R.T. 0.000 min
Lab File: VW032054.D
Acq: 11 Aug 2025 09:47

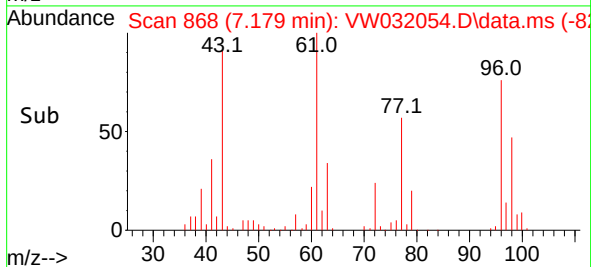
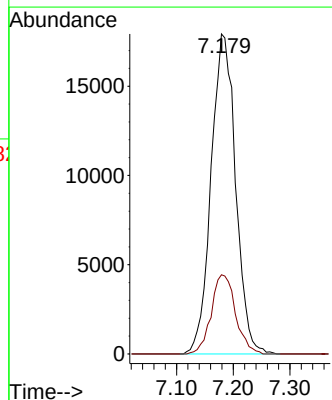
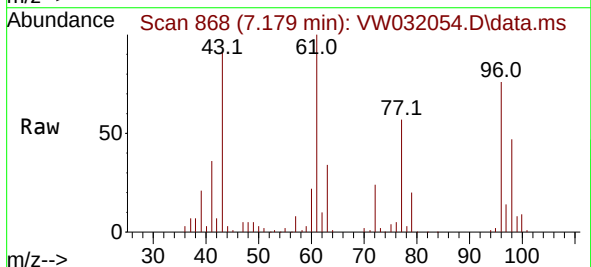
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

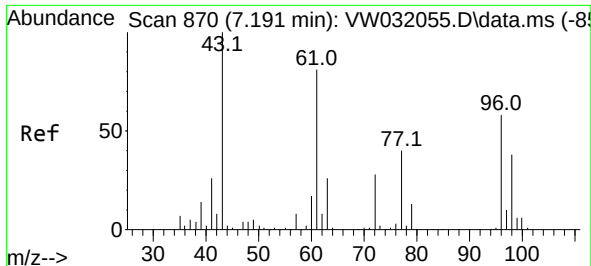
Tgt Ion: 43 Resp: 96191
Ion Ratio Lower Upper
43 100
72 29.2 22.3 33.5



#26
2,2-Dichloropropane
Concen: 20.327 ug/l
RT: 7.179 min Scan# 868
Delta R.T. -0.012 min
Lab File: VW032054.D
Acq: 11 Aug 2025 09:47

Tgt Ion: 77 Resp: 53780
Ion Ratio Lower Upper
77 100
97 24.5 12.3 36.9





#27

cis-1,2-Dichloroethene

Concen: 20.540 ug/l

RT: 7.191 min Scan# 870

Delta R.T. 0.000 min

Lab File: VW032054.D

Acq: 11 Aug 2025 09:47

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

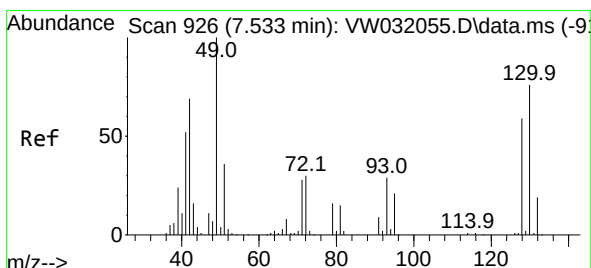
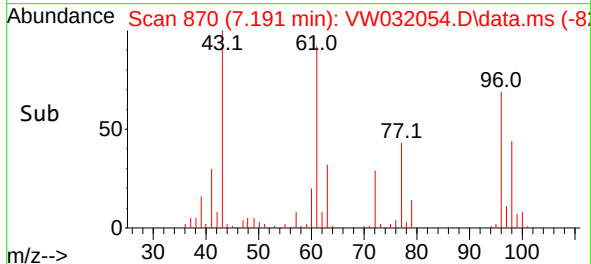
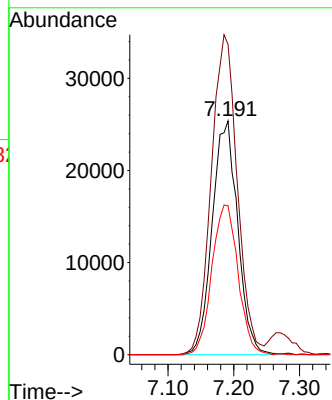
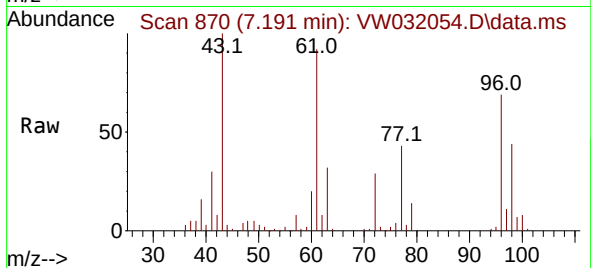
Tgt Ion: 96 Resp: 68545

Ion Ratio Lower Upper

96 100

61 139.8 0.0 281.2

98 65.7 0.0 130.8



#28

Bromochloromethane

Concen: 20.298 ug/l

RT: 7.527 min Scan# 925

Delta R.T. -0.006 min

Lab File: VW032054.D

Acq: 11 Aug 2025 09:47

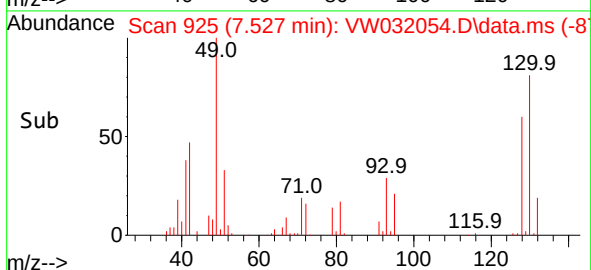
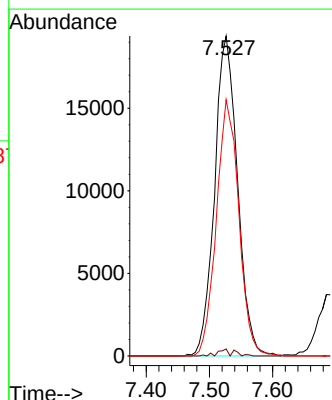
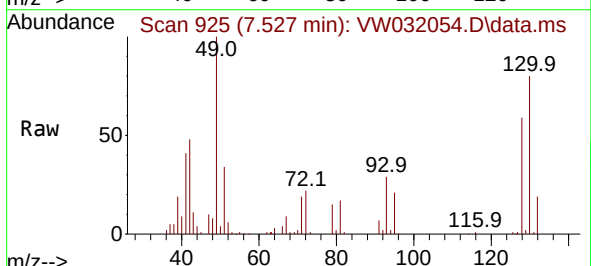
Tgt Ion: 49 Resp: 48715

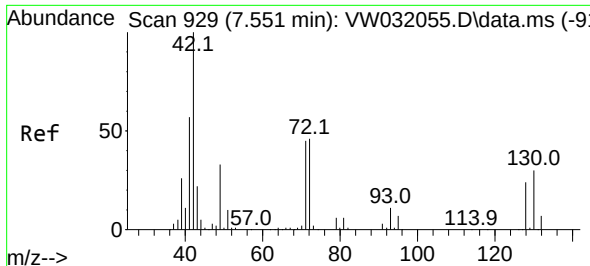
Ion Ratio Lower Upper

49 100

129 1.0 0.0 4.2

130 78.4 61.9 92.9





#29

Tetrahydrofuran

Concen: 92.379 ug/l

RT: 7.551 min Scan# 91

Delta R.T. 0.000 min

Lab File: VW032054.D

Acq: 11 Aug 2025 09:47

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC020

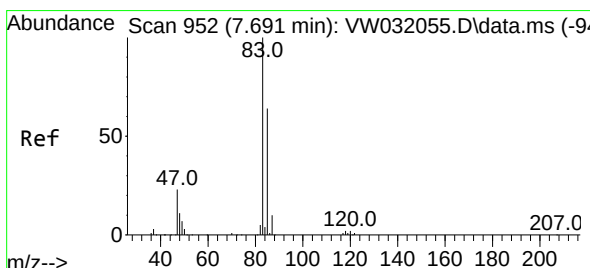
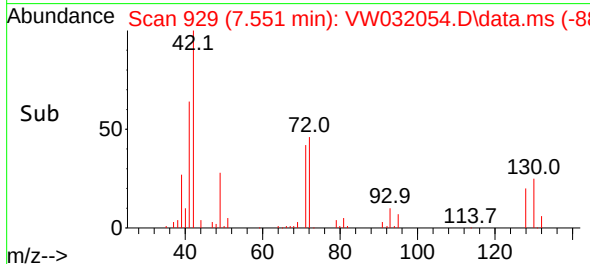
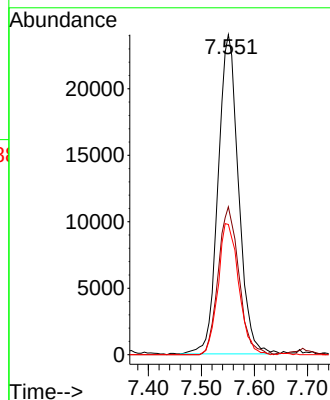
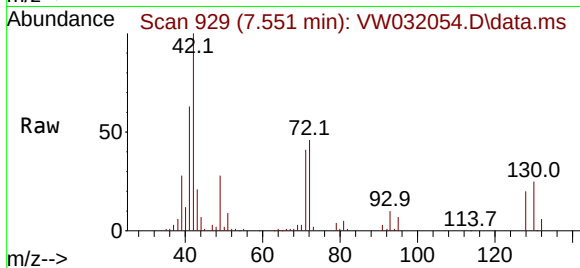
Tgt Ion: 42 Resp: 64317

Ion Ratio Lower Upper

42 100

72 46.7 36.6 55.0

71 41.5 34.7 52.1



#30

Chloroform

Concen: 21.011 ug/l

RT: 7.691 min Scan# 952

Delta R.T. 0.000 min

Lab File: VW032054.D

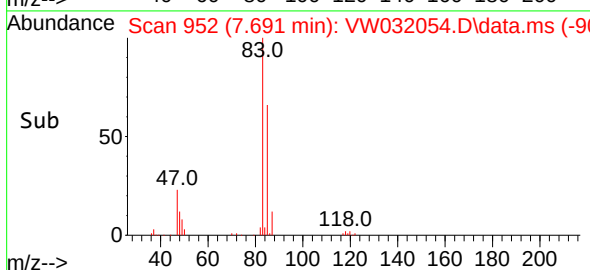
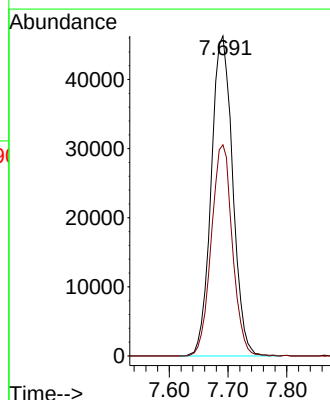
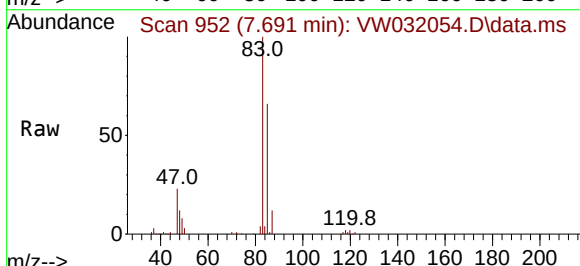
Acq: 11 Aug 2025 09:47

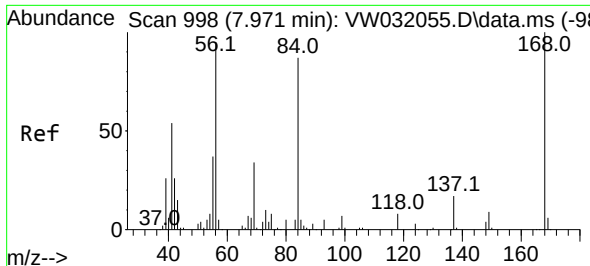
Tgt Ion: 83 Resp: 117474

Ion Ratio Lower Upper

83 100

85 66.0 51.0 76.4

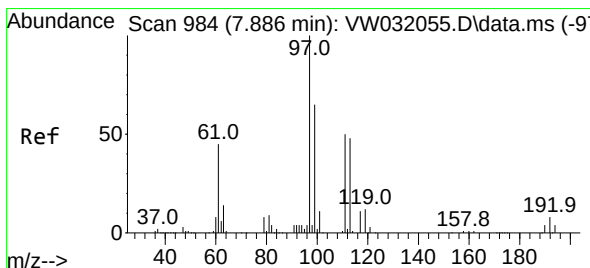
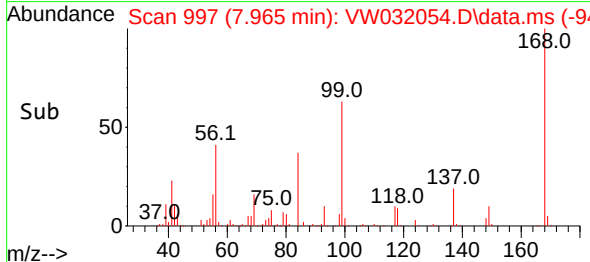
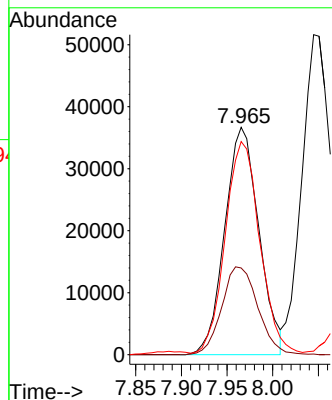
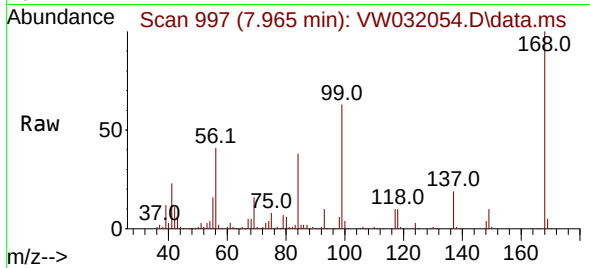




#31
Cyclohexane
Concen: 20.833 ug/l
RT: 7.965 min Scan# 998
Delta R.T. -0.006 min
Lab File: VW032054.D
Acq: 11 Aug 2025 09:47

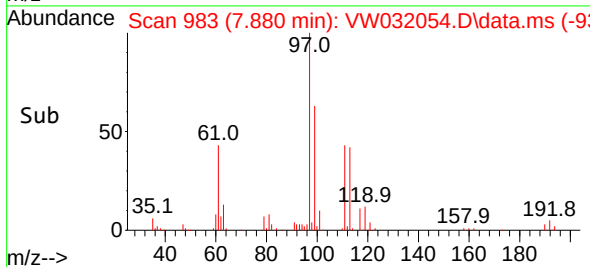
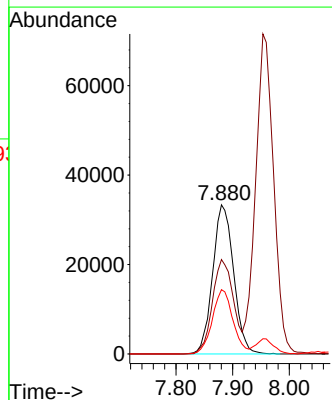
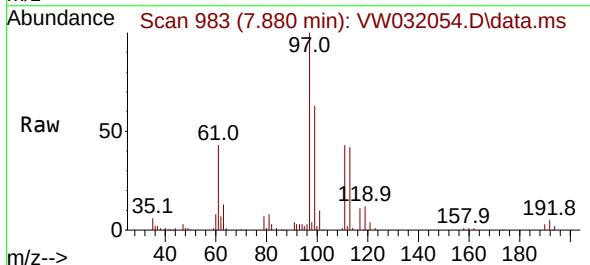
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

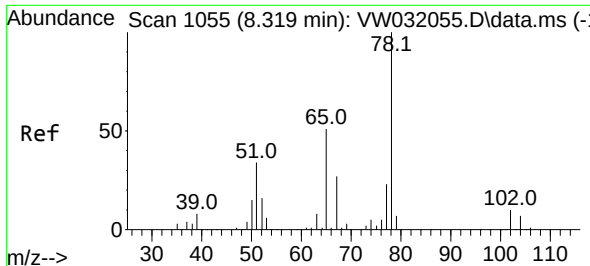
Tgt Ion: 56 Resp: 95253
Ion Ratio Lower Upper
56 100
69 38.2 28.6 42.8
84 92.4 73.0 109.4



#32
1,1,1-Trichloroethane
Concen: 21.078 ug/l
RT: 7.880 min Scan# 983
Delta R.T. -0.006 min
Lab File: VW032054.D
Acq: 11 Aug 2025 09:47

Tgt Ion: 97 Resp: 85600
Ion Ratio Lower Upper
97 100
99 63.5 51.8 77.8
61 42.4 35.9 53.9

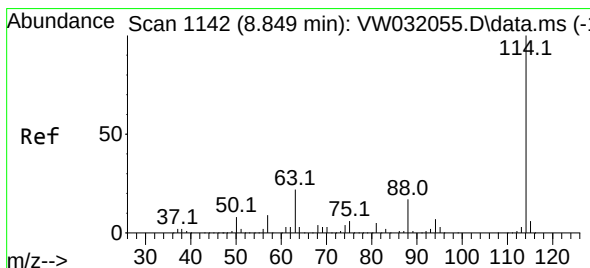
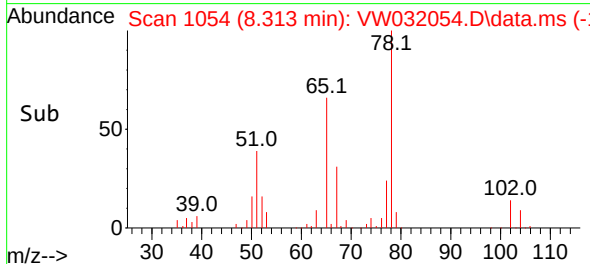
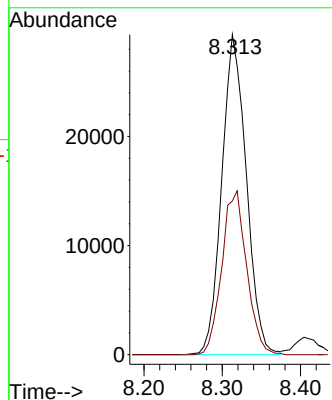
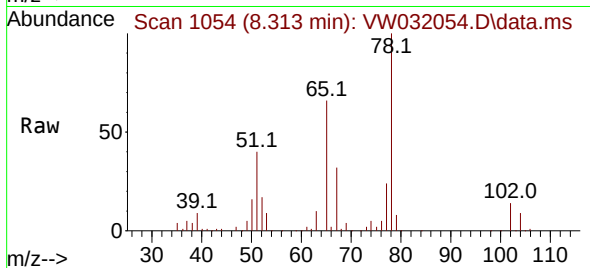




#33
1,2-Dichloroethane-d4
Concen: 19.904 ug/l
RT: 8.313 min Scan# 1054
Delta R.T. -0.006 min
Lab File: VW032054.D
Acq: 11 Aug 2025 09:47

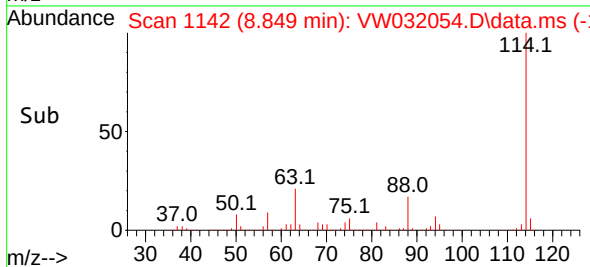
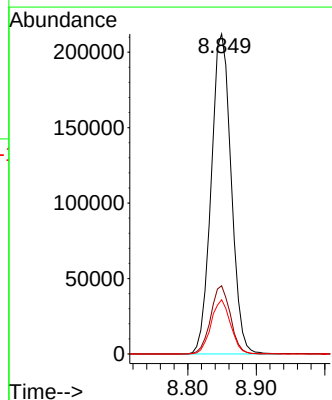
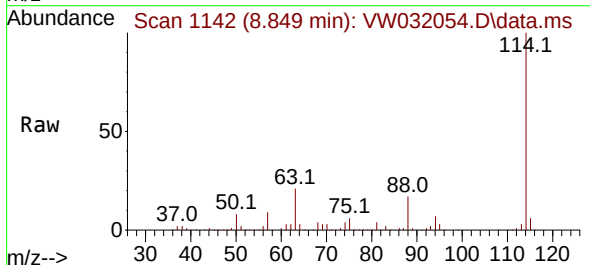
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

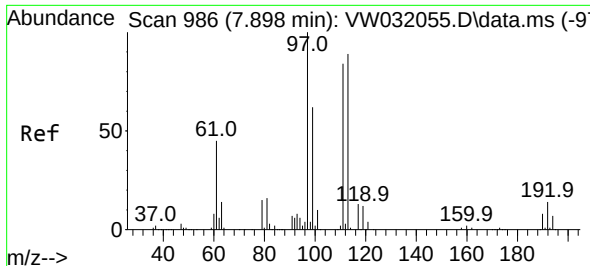
Tgt Ion: 65 Resp: 63857
Ion Ratio Lower Upper
65 100
67 51.8 0.0 102.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 1142
Delta R.T. 0.000 min
Lab File: VW032054.D
Acq: 11 Aug 2025 09:47

Tgt Ion: 114 Resp: 428395
Ion Ratio Lower Upper
114 100
63 21.3 0.0 43.0
88 16.9 0.0 33.8

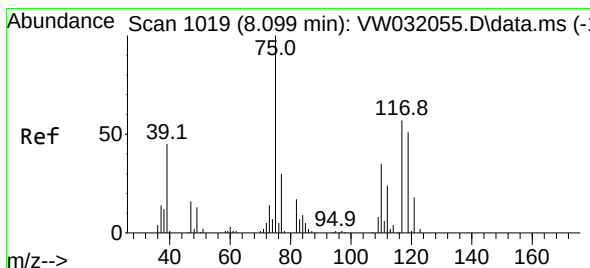
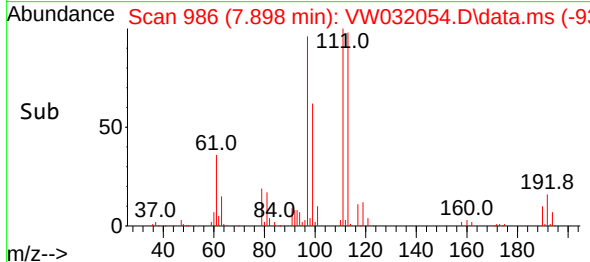
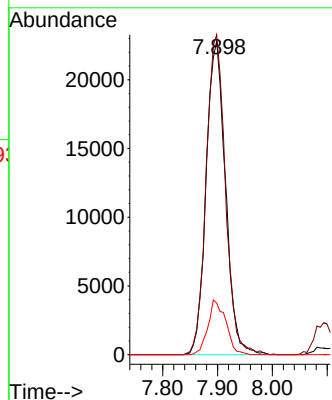
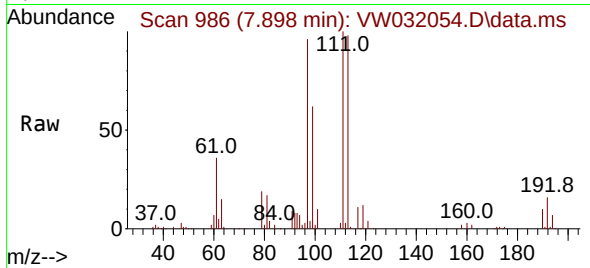




#35
Dibromofluoromethane
Concen: 20.158 ug/l
RT: 7.898 min Scan# 91
Delta R.T. 0.000 min
Lab File: VW032054.D
Acq: 11 Aug 2025 09:47

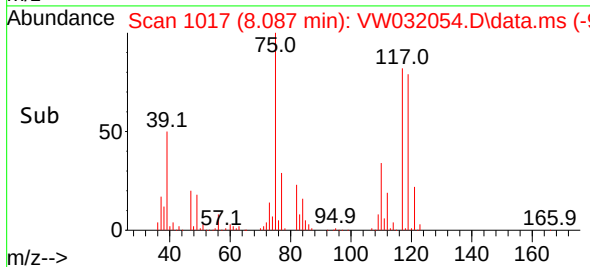
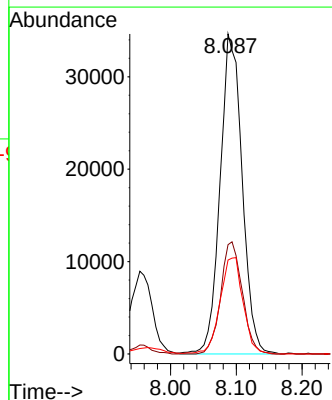
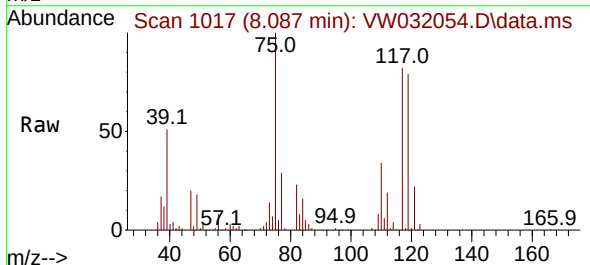
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

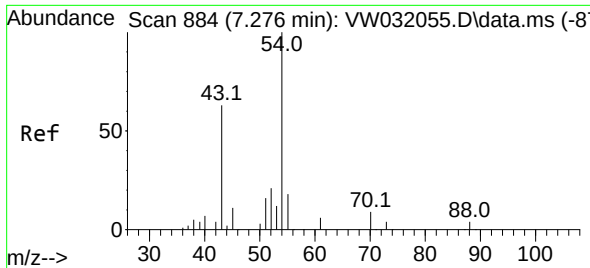
Tgt Ion:113 Resp: 55788
Ion Ratio Lower Upper
113 100
111 101.5 80.1 120.1
192 16.3 13.1 19.7



#36
1,1-Dichloropropene
Concen: 20.712 ug/l
RT: 8.087 min Scan# 1017
Delta R.T. -0.012 min
Lab File: VW032054.D
Acq: 11 Aug 2025 09:47

Tgt Ion: 75 Resp: 80811
Ion Ratio Lower Upper
75 100
110 34.4 17.4 52.2
77 31.4 24.7 37.1





#37

Ethyl Acetate

Concen: 17.945 ug/l

RT: 7.270 min Scan# 884

Delta R.T. -0.006 min

Lab File: VW032054.D

Acq: 11 Aug 2025 09:47

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

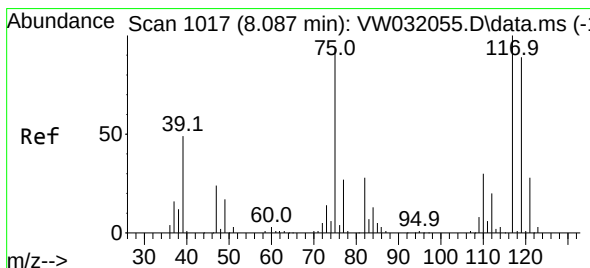
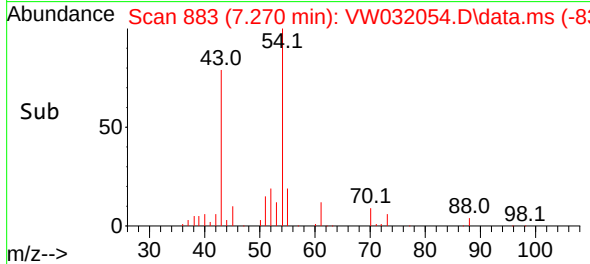
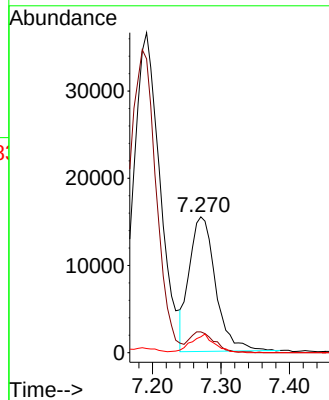
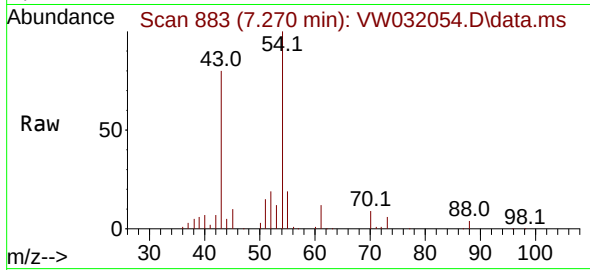
Tgt Ion: 43 Resp: 41235

Ion Ratio Lower Upper

43 100

61 13.7 11.8 17.6

70 12.3 9.4 14.0



#38

Carbon Tetrachloride

Concen: 20.527 ug/l

RT: 8.081 min Scan# 1016

Delta R.T. -0.006 min

Lab File: VW032054.D

Acq: 11 Aug 2025 09:47

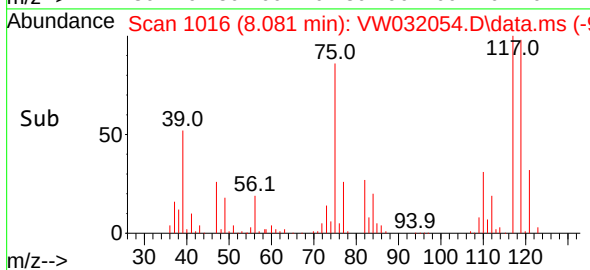
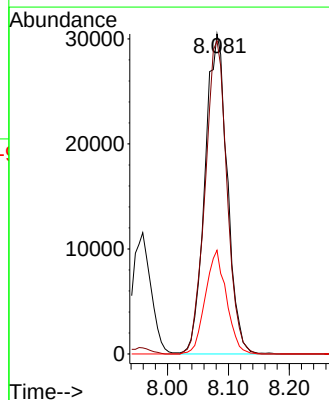
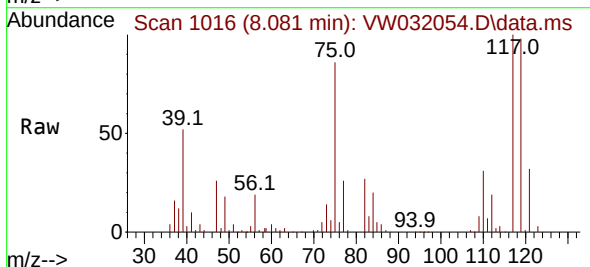
Tgt Ion: 117 Resp: 77289

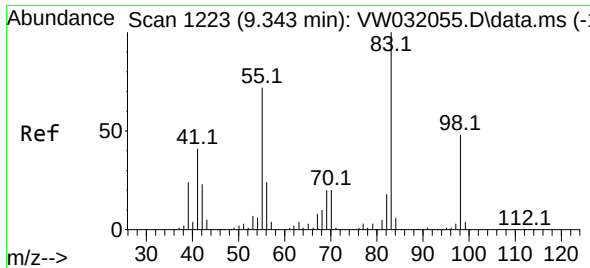
Ion Ratio Lower Upper

117 100

119 97.8 71.4 107.2

121 32.4 22.3 33.5

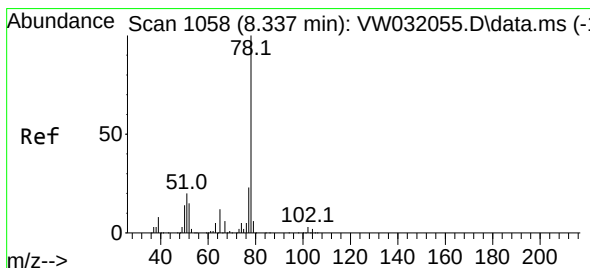
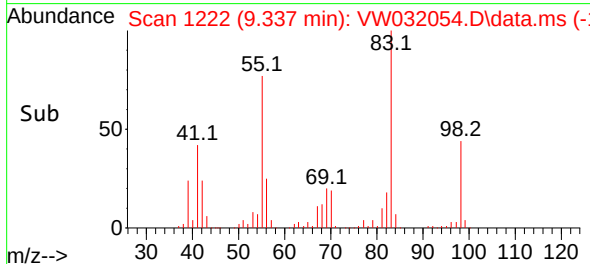
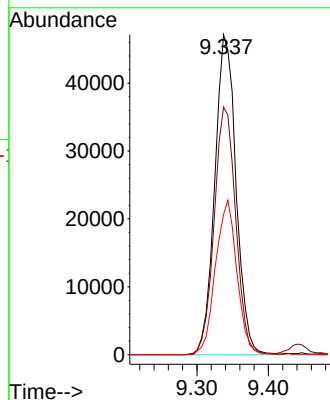
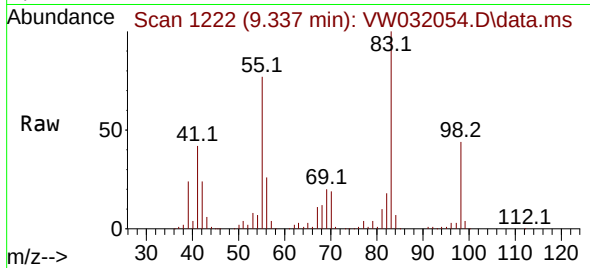




#39
Methylcyclohexane
Concen: 20.484 ug/l
RT: 9.337 min Scan# 11
Delta R.T. -0.006 min
Lab File: VW032054.D
Acq: 11 Aug 2025 09:47

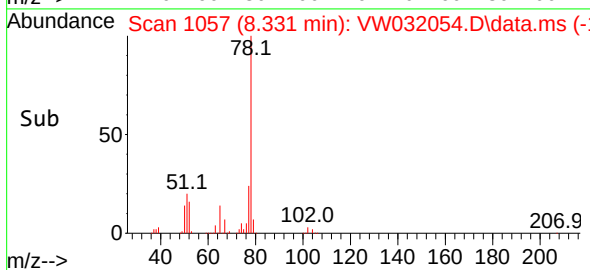
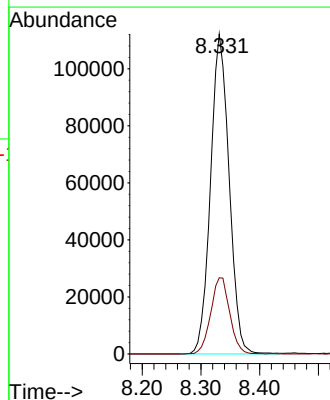
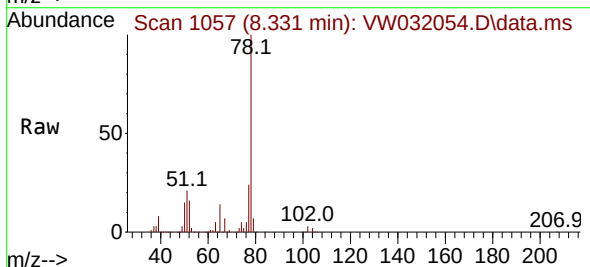
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

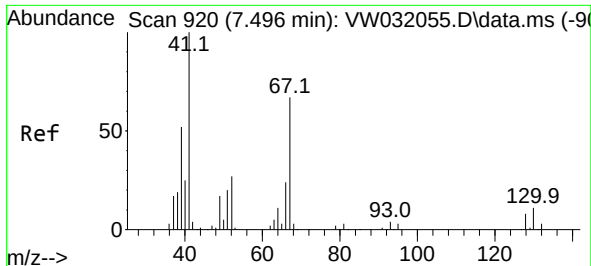
Tgt Ion:	83	Resp:	97412
Ion	Ratio	Lower	Upper
83	100		
55	77.4	57.9	86.9
98	43.8	38.3	57.5



#40
Benzene
Concen: 20.333 ug/l
RT: 8.331 min Scan# 1057
Delta R.T. -0.006 min
Lab File: VW032054.D
Acq: 11 Aug 2025 09:47

Tgt Ion:	78	Resp:	246590
Ion	Ratio	Lower	Upper
78	100		
77	23.8	18.4	27.6

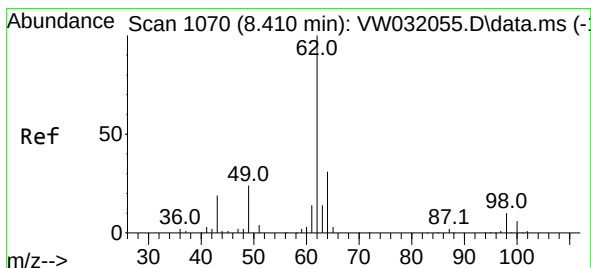
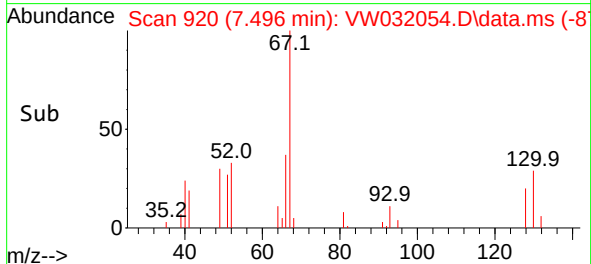
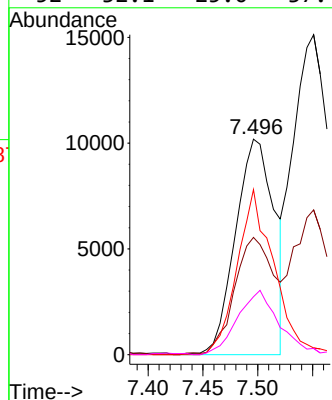
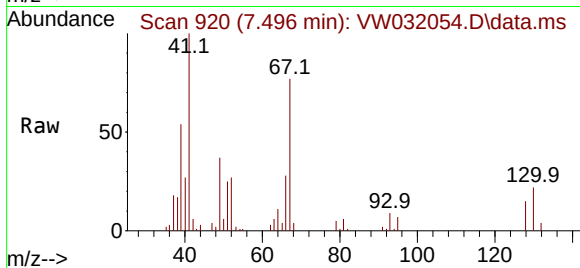




#41
Methacrylonitrile
Concen: 19.242 ug/l
RT: 7.496 min Scan# 91
Delta R.T. 0.000 min
Lab File: VW032054.D
Acq: 11 Aug 2025 09:47

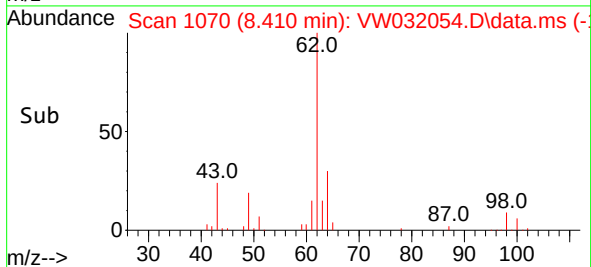
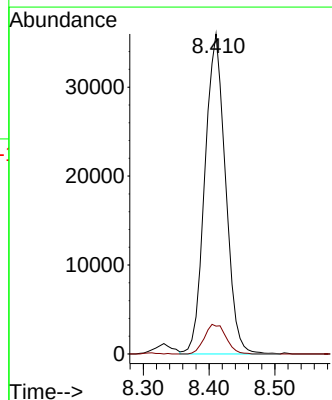
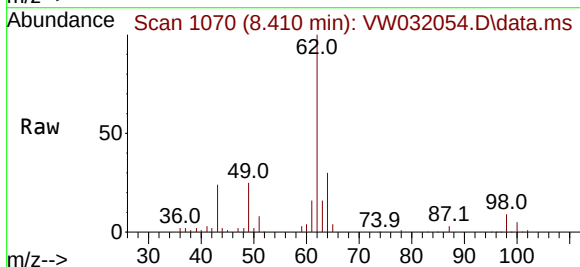
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

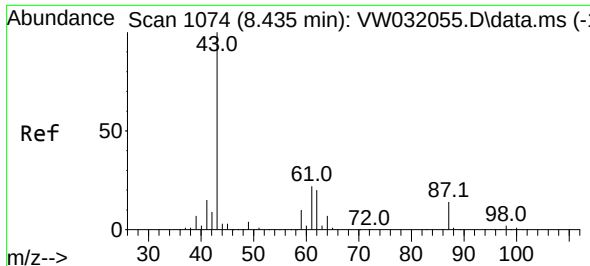
Tgt Ion: 41	Resp: 25075
Ion Ratio	Lower Upper
41 100	
39 55.4	42.6 63.8
67 73.2	61.0 91.4
52 32.1	25.0 37.4



#42
1,2-Dichloroethane
Concen: 20.239 ug/l
RT: 8.410 min Scan# 1070
Delta R.T. 0.000 min
Lab File: VW032054.D
Acq: 11 Aug 2025 09:47

Tgt Ion: 62	Resp: 78543
Ion Ratio	Lower Upper
62 100	
98 9.7	0.0 19.8

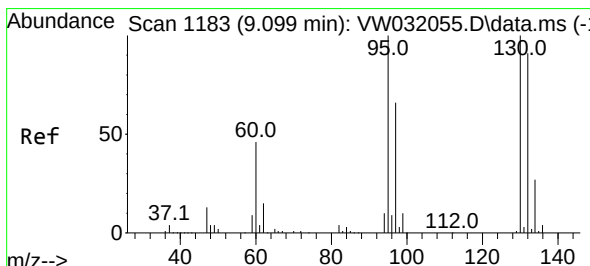
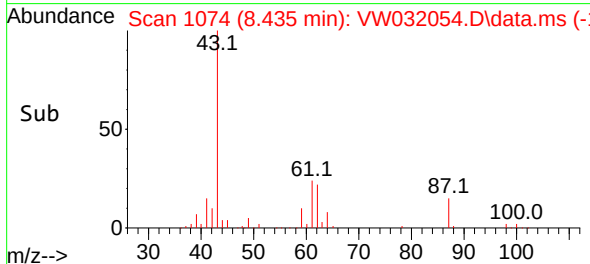
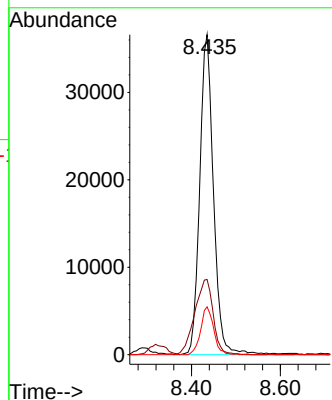
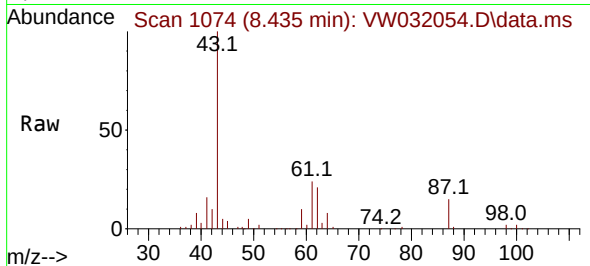




#43
Isopropyl Acetate
Concen: 18.660 ug/l
RT: 8.435 min Scan# 1074
Delta R.T. 0.000 min
Lab File: VW032054.D
Acq: 11 Aug 2025 09:47

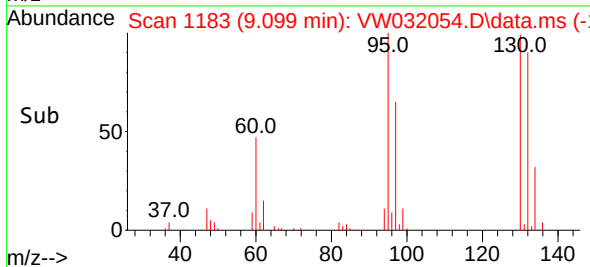
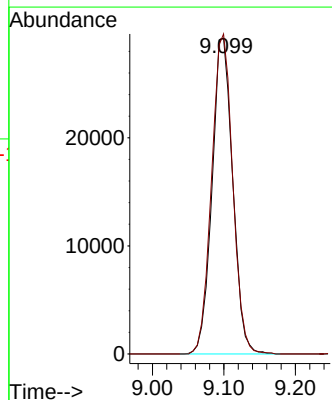
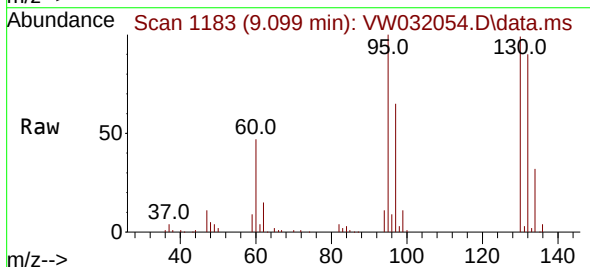
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

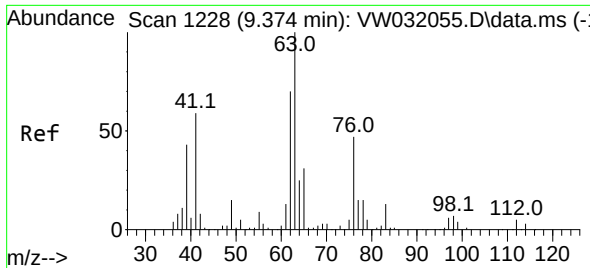
Tgt Ion:	43	Resp:	78887
Ion	Ratio	Lower	Upper
43	100		
61	31.3	23.8	35.8
87	14.1	11.7	17.5



#44
Trichloroethene
Concen: 20.302 ug/l
RT: 9.099 min Scan# 1183
Delta R.T. 0.000 min
Lab File: VW032054.D
Acq: 11 Aug 2025 09:47

Tgt Ion:	130	Resp:	58636
Ion	Ratio	Lower	Upper
130	100		
95	101.3	0.0	200.6

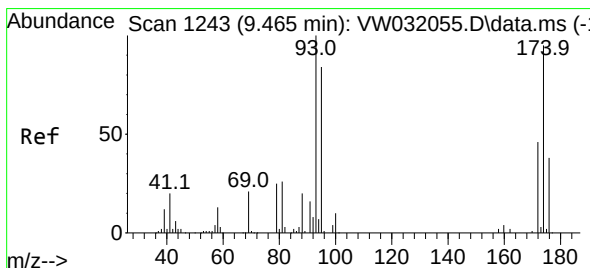
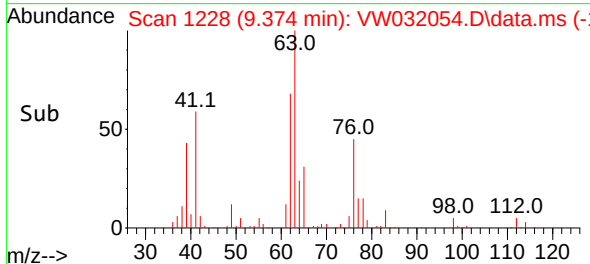
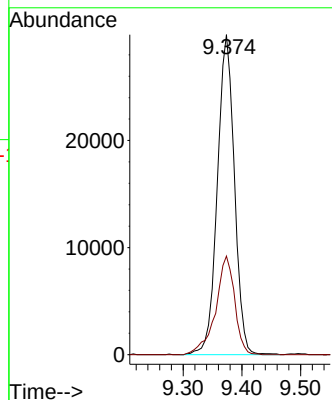
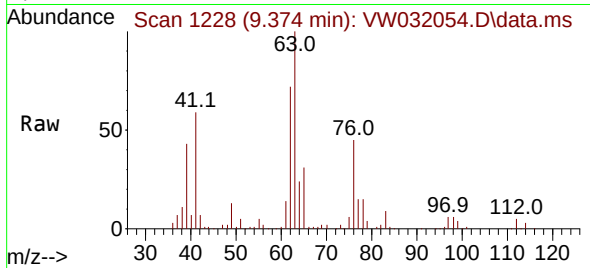




#45
1,2-Dichloropropane
Concen: 20.597 ug/l
RT: 9.374 min Scan# 1228
Delta R.T. 0.000 min
Lab File: VW032054.D
Acq: 11 Aug 2025 09:47

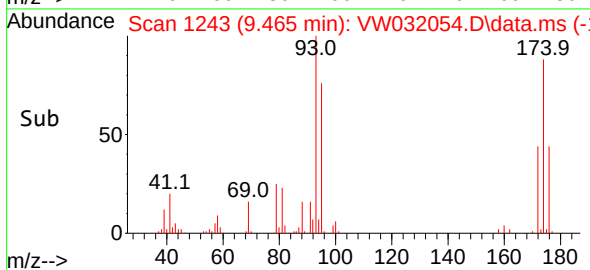
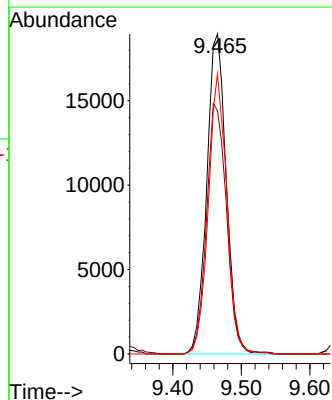
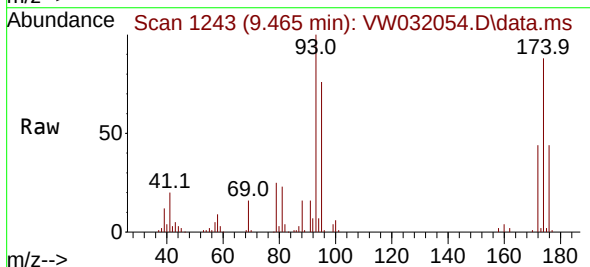
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

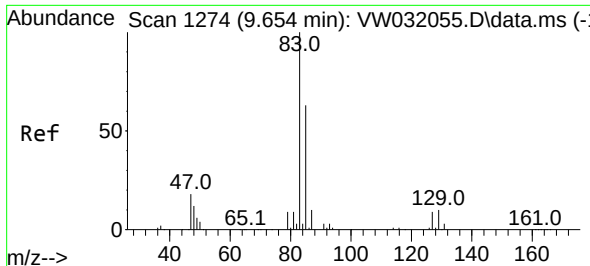
Tgt Ion: 63 Resp: 60346
Ion Ratio Lower Upper
63 100
65 30.8 24.6 36.8



#46
Dibromomethane
Concen: 19.873 ug/l
RT: 9.465 min Scan# 1243
Delta R.T. 0.000 min
Lab File: VW032054.D
Acq: 11 Aug 2025 09:47

Tgt Ion: 93 Resp: 37580
Ion Ratio Lower Upper
93 100
95 80.1 65.3 97.9
174 83.3 68.6 102.8

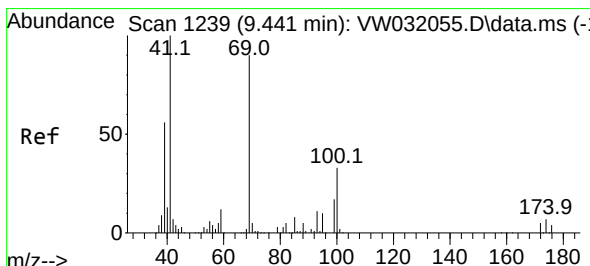
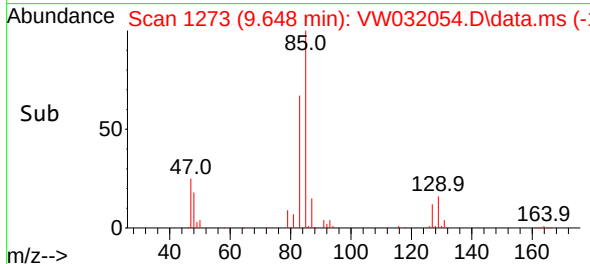
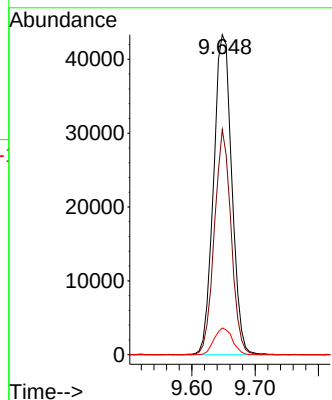
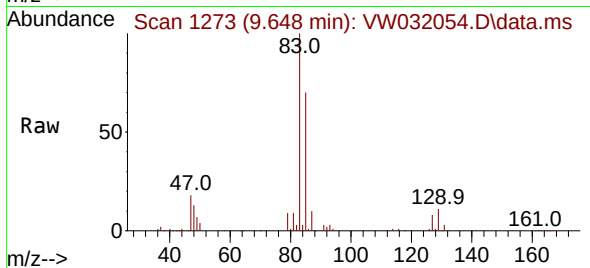




#47
Bromodichloromethane
Concen: 19.869 ug/l
RT: 9.648 min Scan# 1273
Delta R.T. -0.006 min
Lab File: VW032054.D
Acq: 11 Aug 2025 09:47

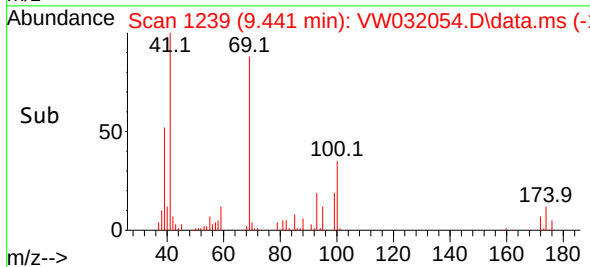
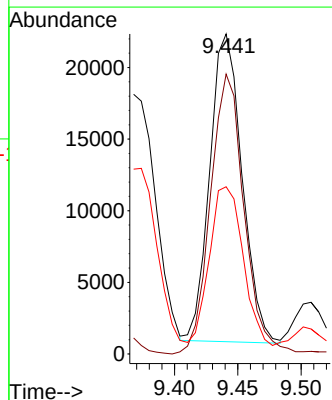
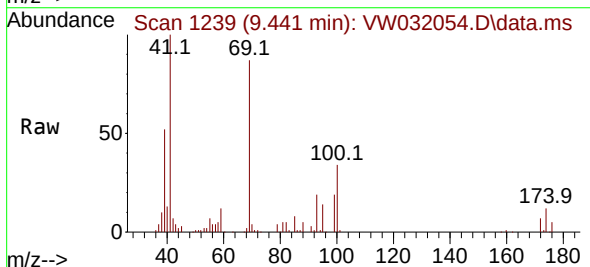
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

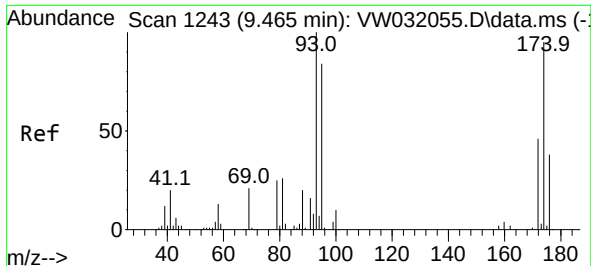
Tgt Ion: 83 Resp: 86577
Ion Ratio Lower Upper
83 100
85 70.4 50.6 75.8
127 8.3 6.9 10.3



#48
Methyl methacrylate
Concen: 18.704 ug/l
RT: 9.441 min Scan# 1239
Delta R.T. 0.000 min
Lab File: VW032054.D
Acq: 11 Aug 2025 09:47

Tgt Ion: 41 Resp: 38175
Ion Ratio Lower Upper
41 100
69 94.6 73.0 109.6
39 53.7 45.0 67.4





#49

1,4-Dioxane

Concen: 364.998 ug/l

RT: 9.459 min Scan# 11

Delta R.T. -0.006 min

Lab File: VW032054.D

Acq: 11 Aug 2025 09:47

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC020

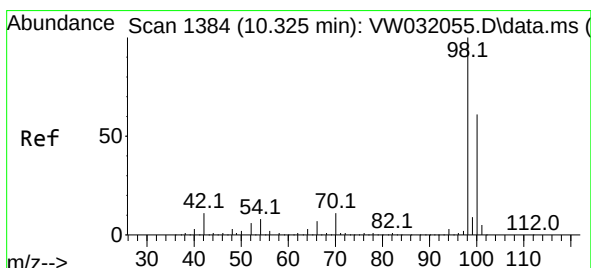
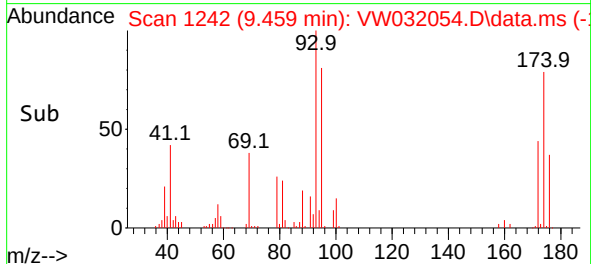
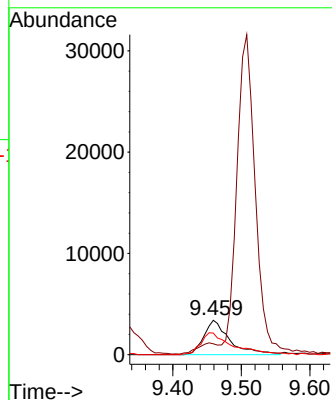
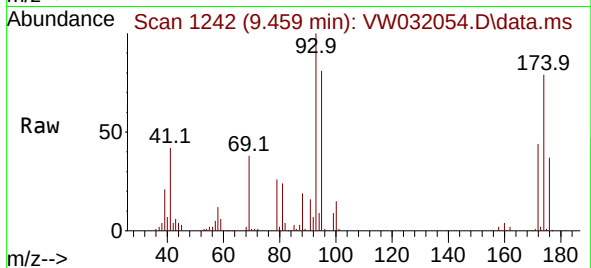
Tgt Ion: 88 Resp: 8924

Ion Ratio Lower Upper

88 100

43 24.7 20.6 30.8

58 78.5 60.4 90.6



#50

Toluene-d8

Concen: 20.212 ug/l

RT: 10.325 min Scan# 1384

Delta R.T. 0.000 min

Lab File: VW032054.D

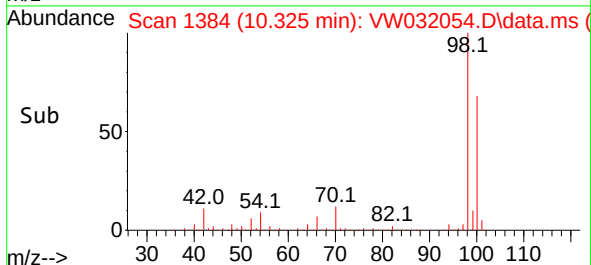
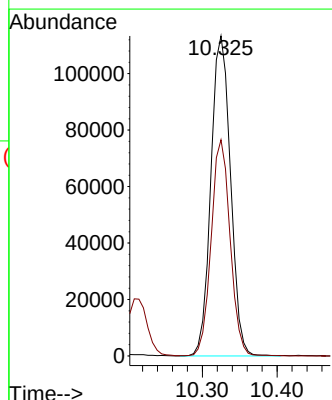
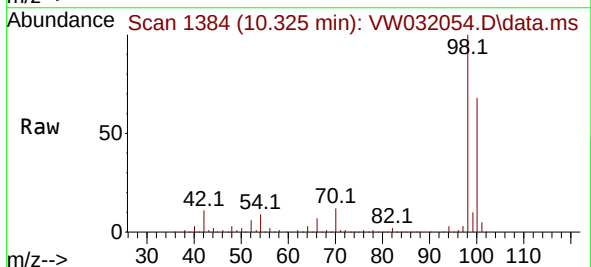
Acq: 11 Aug 2025 09:47

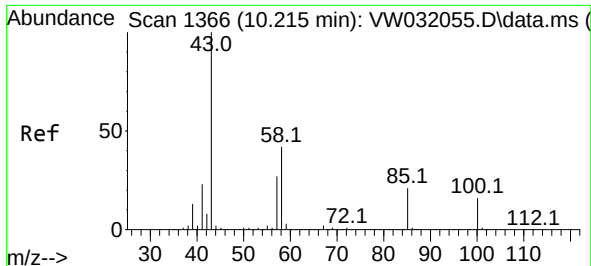
Tgt Ion: 98 Resp: 206901

Ion Ratio Lower Upper

98 100

100 65.5 51.1 76.7

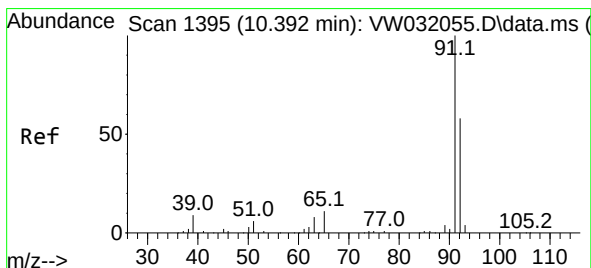
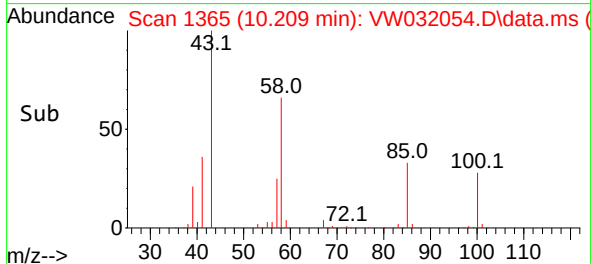
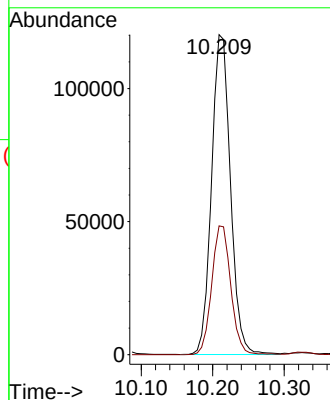
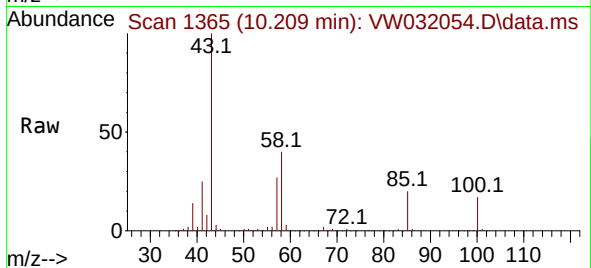




#51
4-Methyl-2-Pentanone
Concen: 92.472 ug/l
RT: 10.209 min Scan# 1365
Delta R.T. -0.006 min
Lab File: VW032054.D
Acq: 11 Aug 2025 09:47

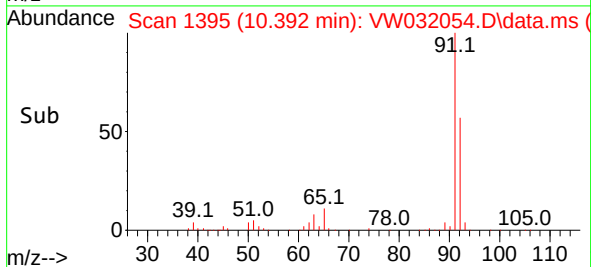
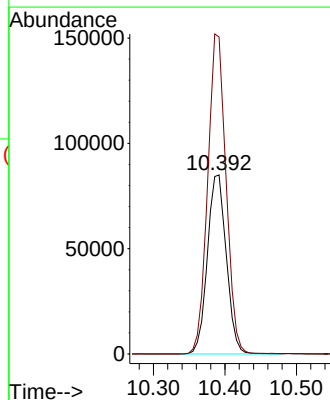
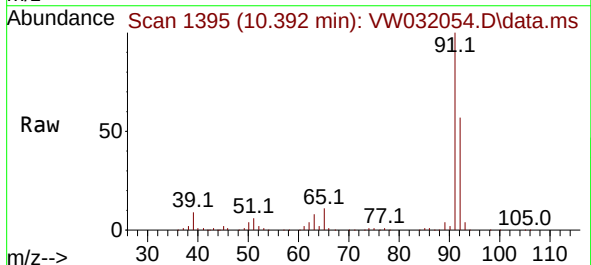
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

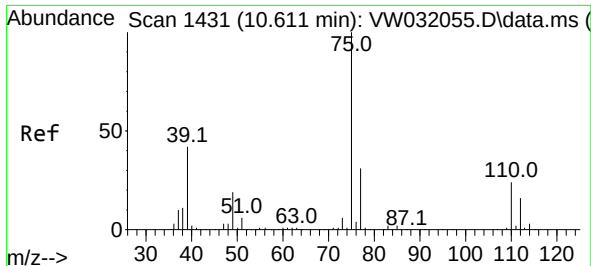
Tgt Ion: 43 Resp: 220661
Ion Ratio Lower Upper
43 100
58 40.7 33.1 49.7



#52
Toluene
Concen: 20.418 ug/l
RT: 10.392 min Scan# 1395
Delta R.T. 0.000 min
Lab File: VW032054.D
Acq: 11 Aug 2025 09:47

Tgt Ion: 92 Resp: 155974
Ion Ratio Lower Upper
92 100
91 173.6 136.3 204.5

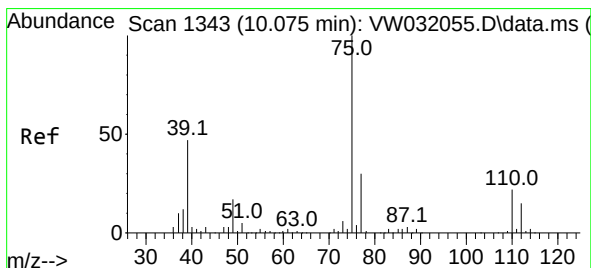
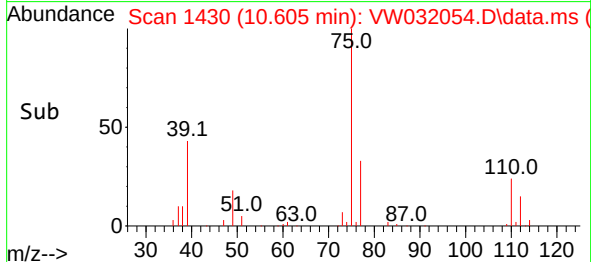
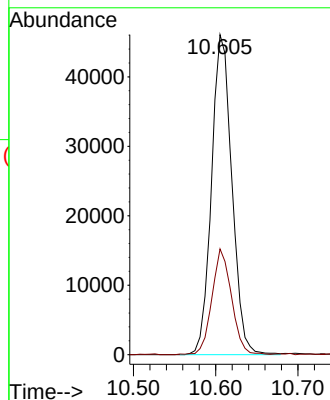
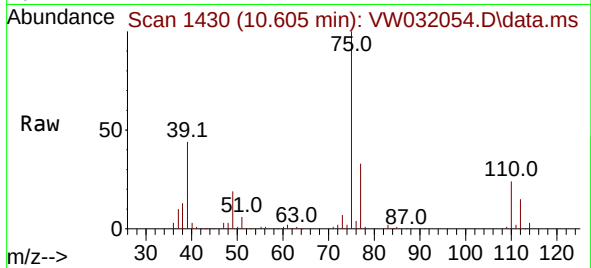




#53
t-1,3-Dichloropropene
Concen: 19.463 ug/l
RT: 10.605 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VW032054.D
Acq: 11 Aug 2025 09:47

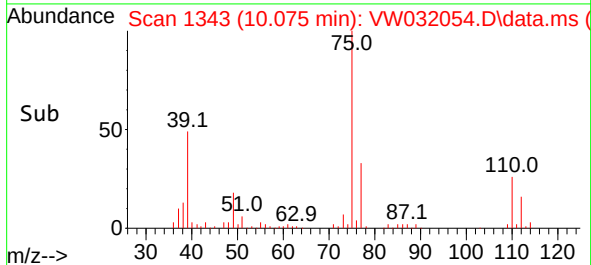
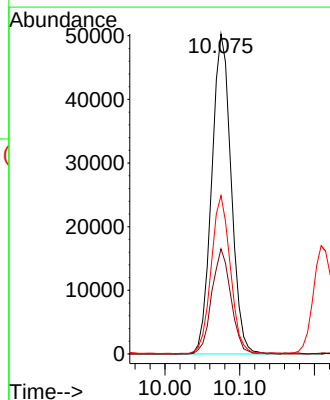
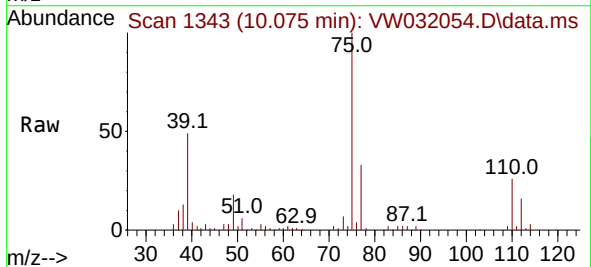
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

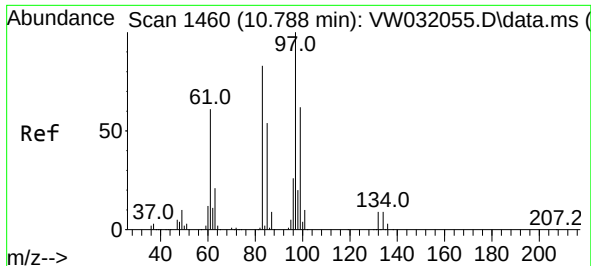
Tgt Ion: 75 Resp: 79452
Ion Ratio Lower Upper
75 100
77 32.9 25.0 37.6



#54
cis-1,3-Dichloropropene
Concen: 19.612 ug/l
RT: 10.075 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VW032054.D
Acq: 11 Aug 2025 09:47

Tgt Ion: 75 Resp: 90828
Ion Ratio Lower Upper
75 100
77 32.9 24.0 36.0
39 49.3 37.8 56.8

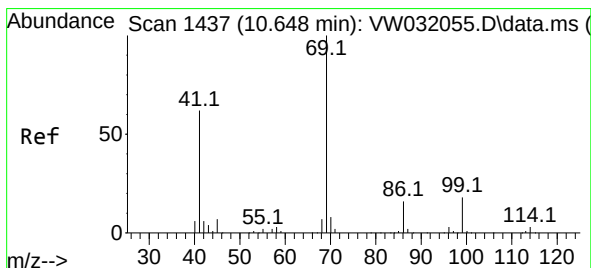
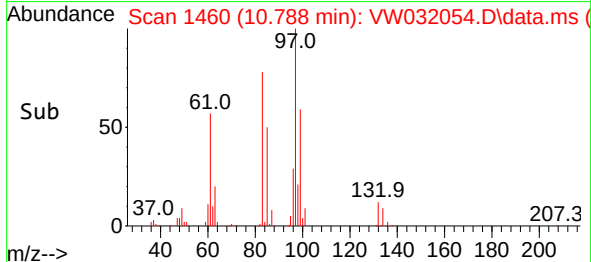
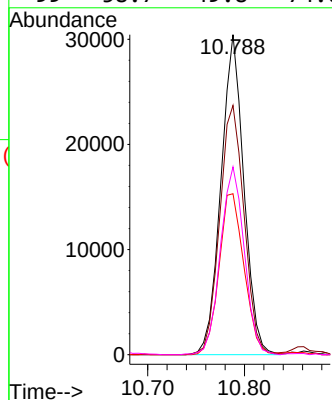
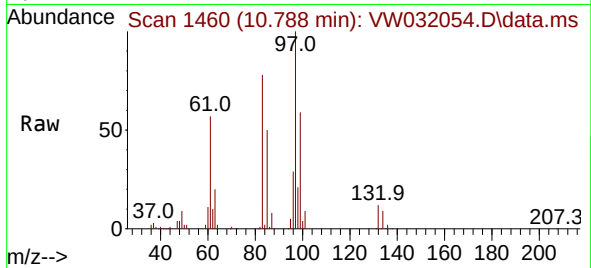




#55
1,1,2-Trichloroethane
Concen: 19.888 ug/l
RT: 10.788 min Scan# 1460
Delta R.T. 0.000 min
Lab File: VW032054.D
Acq: 11 Aug 2025 09:47

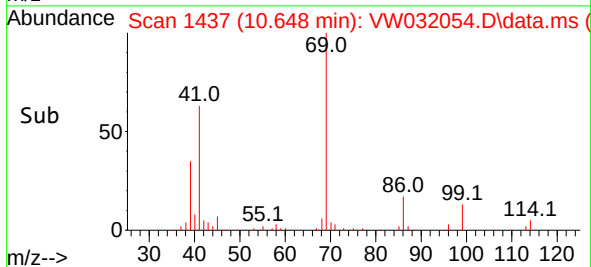
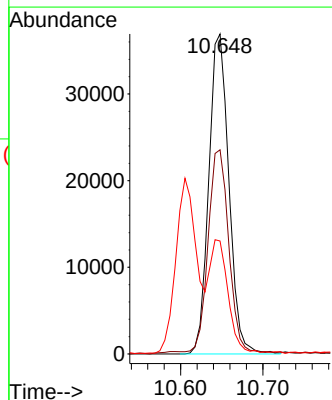
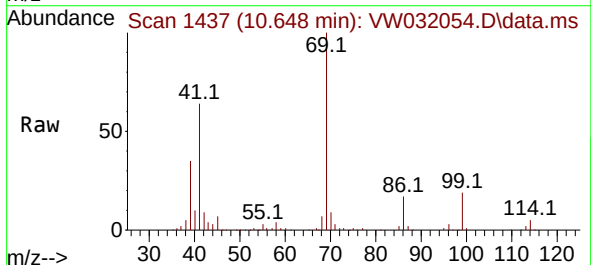
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

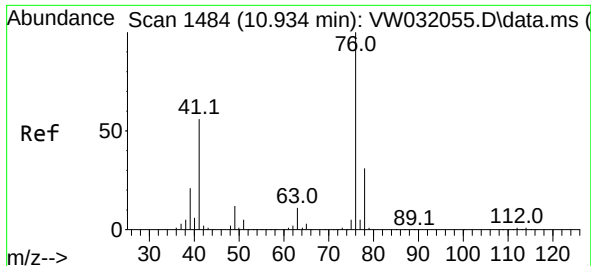
Tgt Ion:	97	Resp:	49974
Ion	Ratio	Lower	Upper
97	100		
83	77.9	66.4	99.6
85	50.3	43.1	64.7
99	58.7	49.8	74.6



#56
Ethyl methacrylate
Concen: 18.645 ug/l
RT: 10.648 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VW032054.D
Acq: 11 Aug 2025 09:47

Tgt Ion:	69	Resp:	62694
Ion	Ratio	Lower	Upper
69	100		
41	67.2	51.2	76.8
39	31.8	25.4	38.0





#57

1,3-Dichloropropane

Concen: 19.790 ug/l

RT: 10.934 min Scan# 1484

Delta R.T. 0.000 min

Lab File: VW032054.D

Acq: 11 Aug 2025 09:47

Instrument :

MSVOA_W

ClientSampleId :

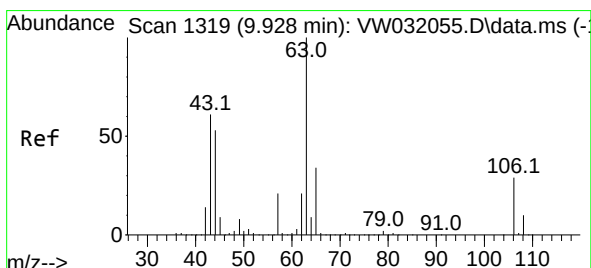
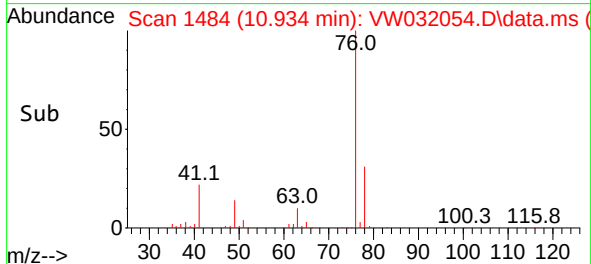
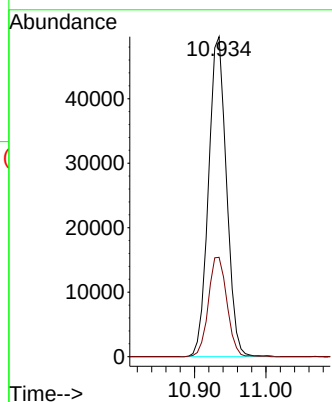
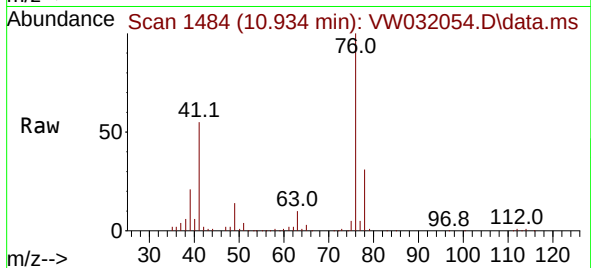
VSTDIC020

Tgt Ion: 76 Resp: 86678

Ion Ratio Lower Upper

76 100

78 32.2 25.8 38.6



#58

2-Chloroethyl Vinyl ether

Concen: 94.809 ug/l

RT: 9.928 min Scan# 1319

Delta R.T. 0.000 min

Lab File: VW032054.D

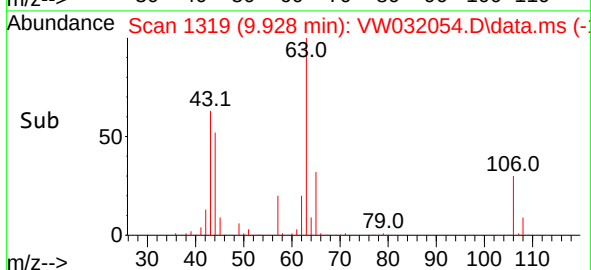
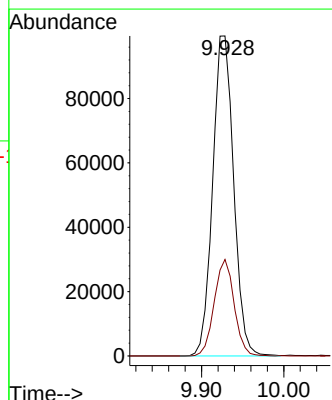
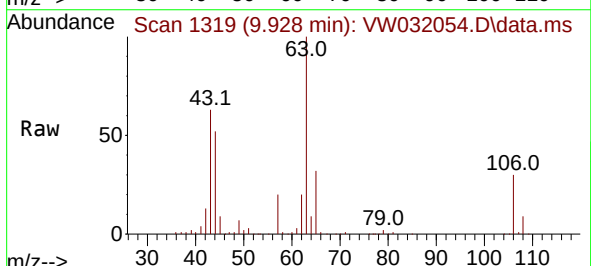
Acq: 11 Aug 2025 09:47

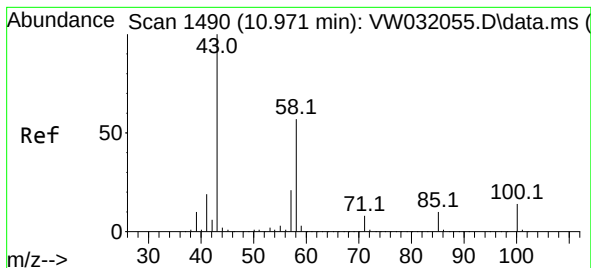
Tgt Ion: 63 Resp: 176339

Ion Ratio Lower Upper

63 100

106 28.5 23.5 35.3

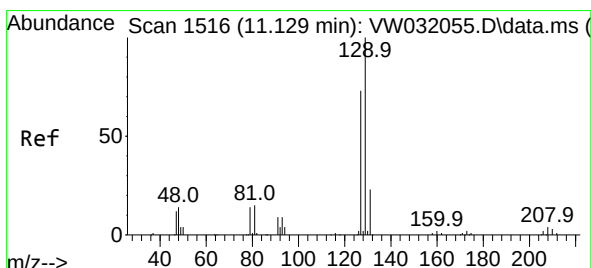
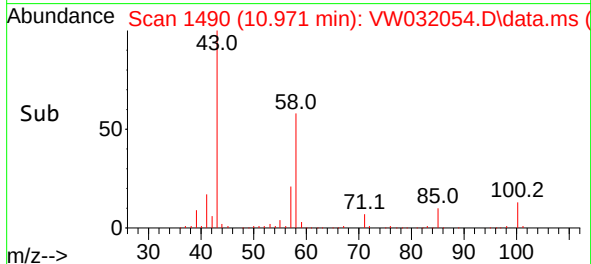
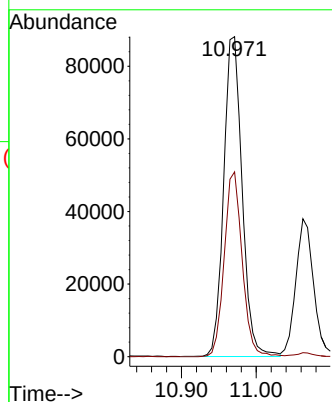
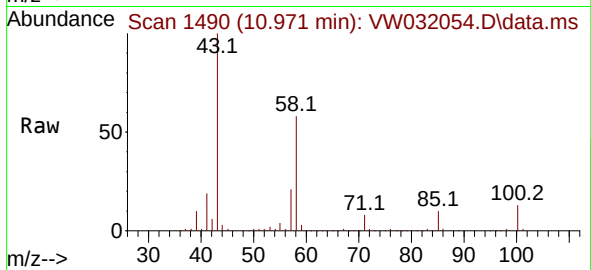




#59
2-Hexanone
Concen: 91.530 ug/l
RT: 10.971 min Scan# 1490
Delta R.T. 0.000 min
Lab File: VW032054.D
Acq: 11 Aug 2025 09:47

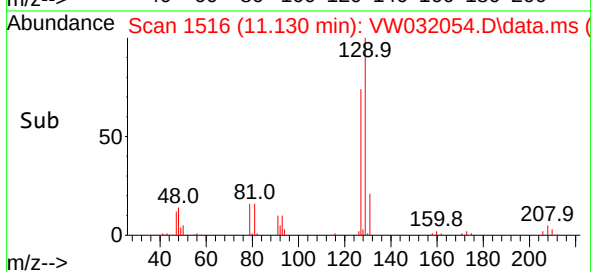
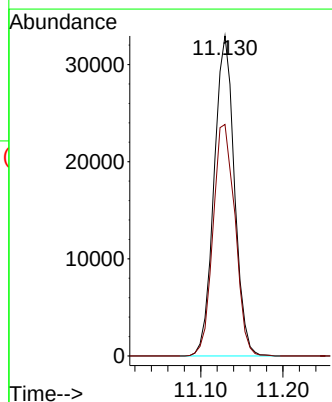
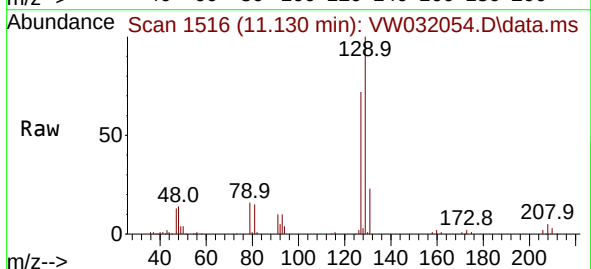
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

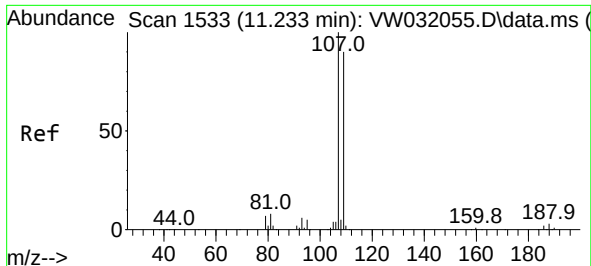
Tgt Ion: 43 Resp: 151264
Ion Ratio Lower Upper
43 100
58 56.4 28.3 85.0



#60
Dibromochloromethane
Concen: 19.721 ug/l
RT: 11.130 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VW032054.D
Acq: 11 Aug 2025 09:47

Tgt Ion: 129 Resp: 56607
Ion Ratio Lower Upper
129 100
127 78.0 39.0 116.9

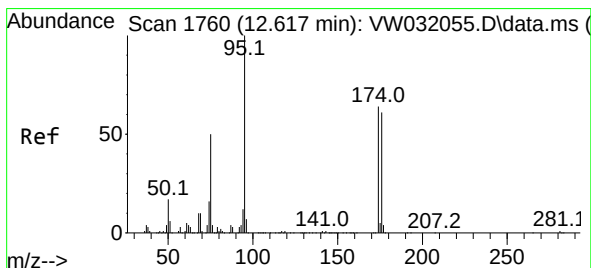
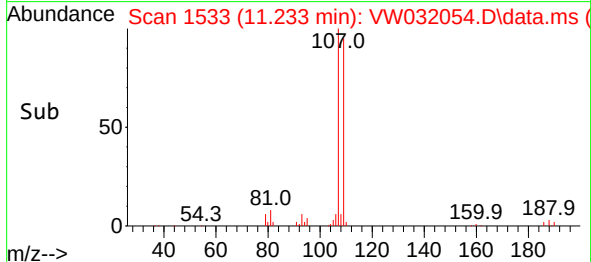
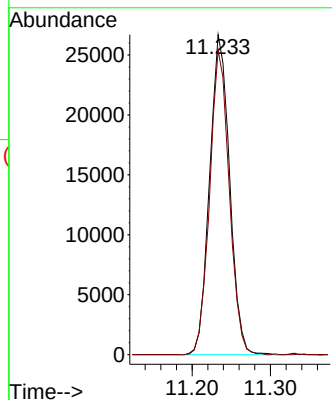
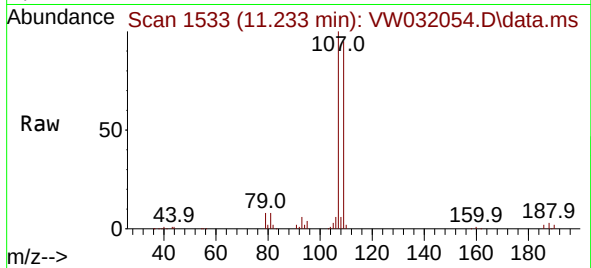




#61
1,2-Dibromoethane
Concen: 19.371 ug/l
RT: 11.233 min Scan# 1533
Delta R.T. 0.000 min
Lab File: VW032054.D
Acq: 11 Aug 2025 09:47

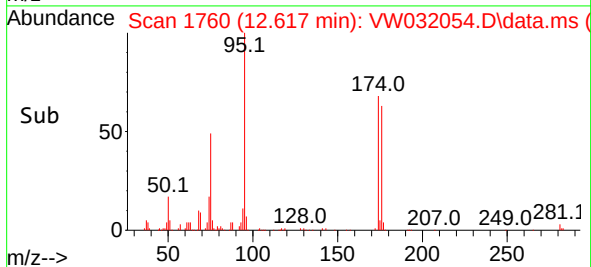
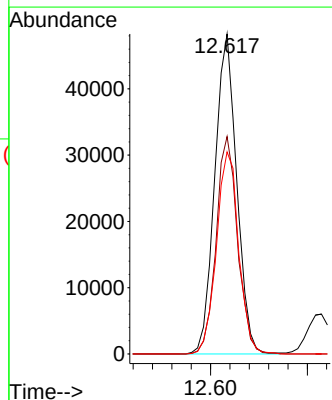
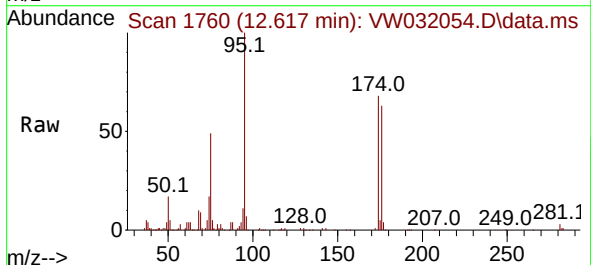
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

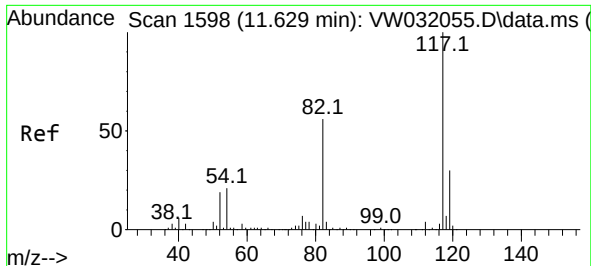
Tgt Ion:107 Resp: 47302
Ion Ratio Lower Upper
107 100
109 93.0 74.2 111.4



#62
4-Bromofluorobenzene
Concen: 20.149 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032054.D
Acq: 11 Aug 2025 09:47

Tgt Ion: 95 Resp: 76008
Ion Ratio Lower Upper
95 100
174 66.3 0.0 129.0
176 64.1 0.0 124.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.629 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW032054.D

Acq: 11 Aug 2025 09:47

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC020

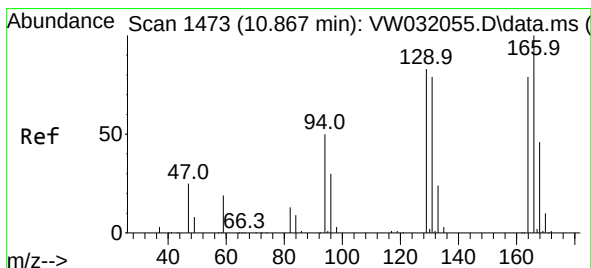
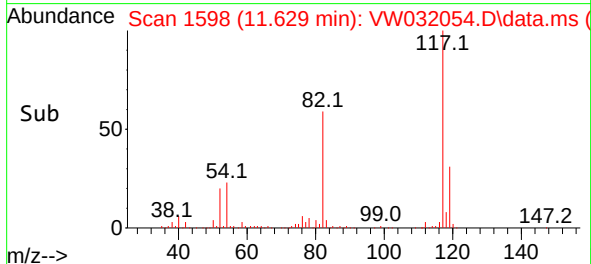
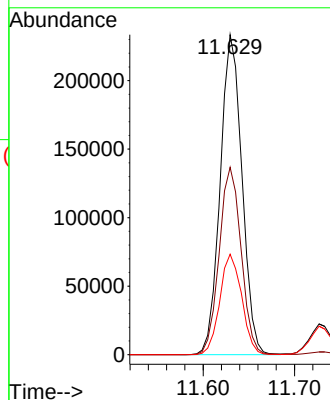
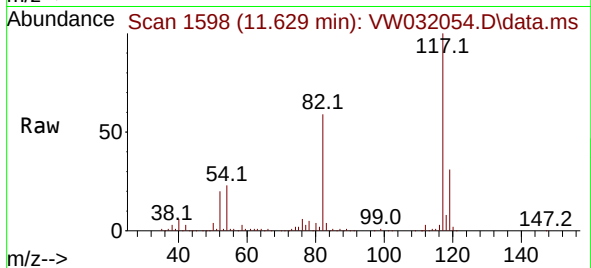
Tgt Ion:117 Resp: 386857

Ion Ratio Lower Upper

117 100

82 58.5 45.0 67.4

119 31.4 24.2 36.4



#64

Tetrachloroethene

Concen: 20.434 ug/l

RT: 10.861 min Scan# 1472

Delta R.T. -0.006 min

Lab File: VW032054.D

Acq: 11 Aug 2025 09:47

Tgt Ion:164 Resp: 45660

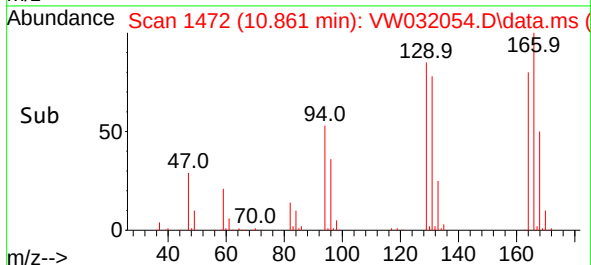
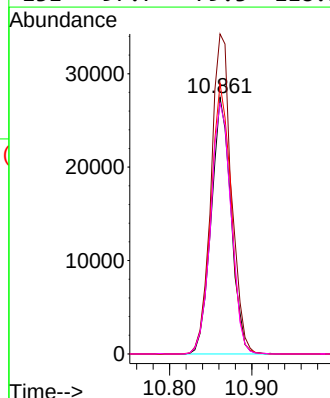
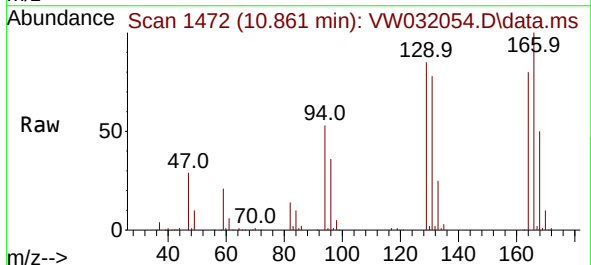
Ion Ratio Lower Upper

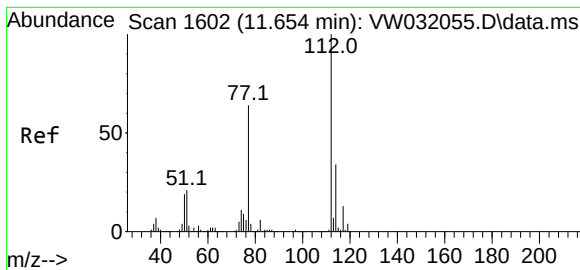
164 100

166 124.7 100.9 151.3

129 105.4 83.6 125.4

131 97.7 79.3 118.9

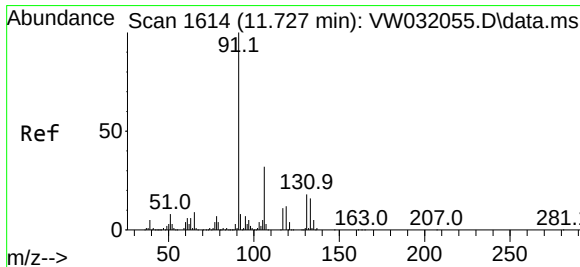
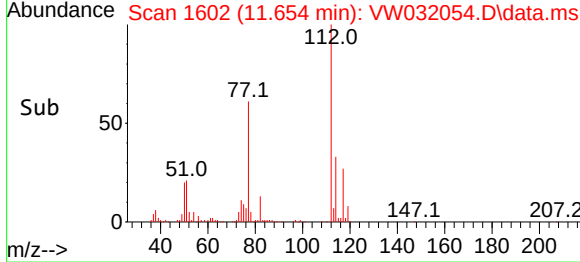
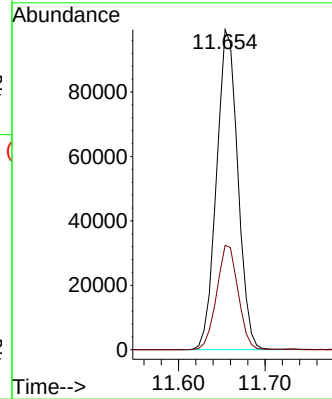
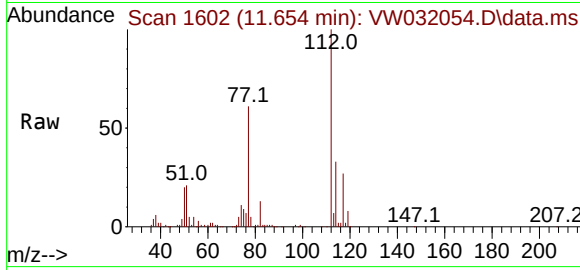




#65
Chlorobenzene
Concen: 20.169 ug/l
RT: 11.654 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW032054.D
Acq: 11 Aug 2025 09:47

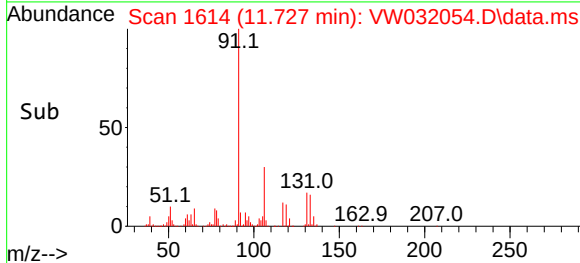
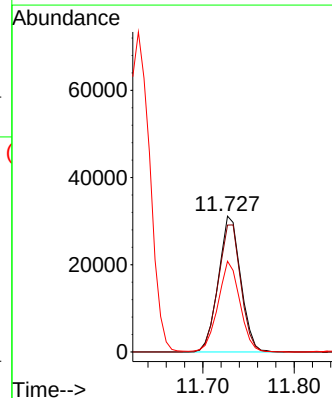
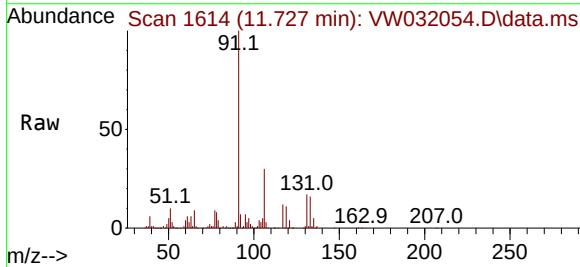
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

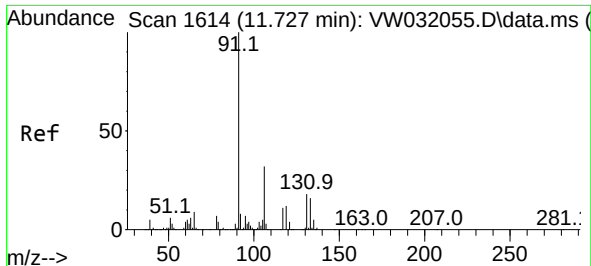
Tgt Ion:112 Resp: 169830
Ion Ratio Lower Upper
112 100
114 32.6 26.9 40.3



#66
1,1,1,2-Tetrachloroethane
Concen: 20.150 ug/l
RT: 11.727 min Scan# 1614
Delta R.T. 0.000 min
Lab File: VW032054.D
Acq: 11 Aug 2025 09:47

Tgt Ion:131 Resp: 52937
Ion Ratio Lower Upper
131 100
133 95.2 47.3 142.0
119 65.6 34.5 103.5

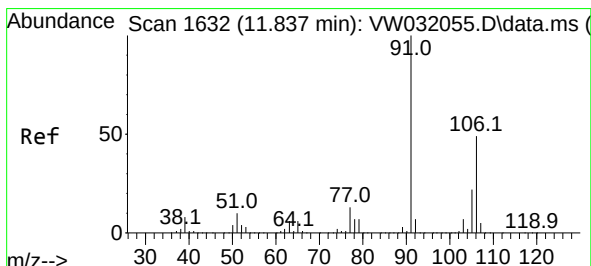
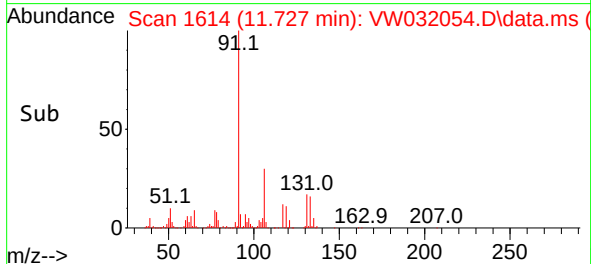
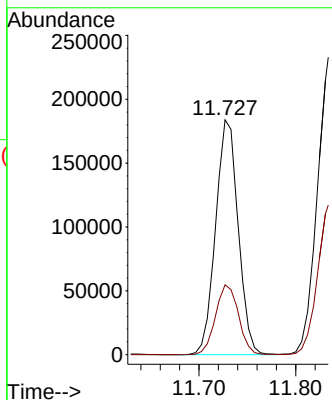
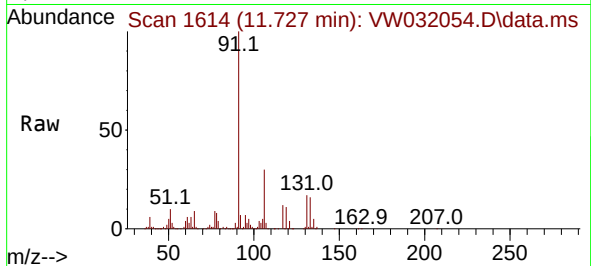




#67
Ethyl Benzene
Concen: 20.836 ug/l
RT: 11.727 min Scan# 1614
Delta R.T. 0.000 min
Lab File: VW032054.D
Acq: 11 Aug 2025 09:47

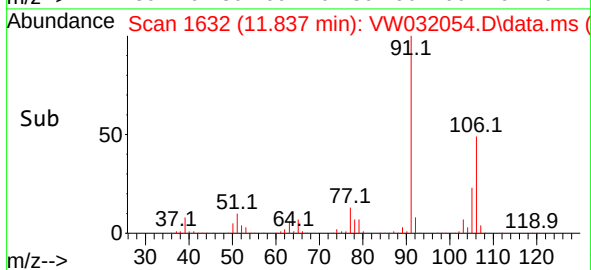
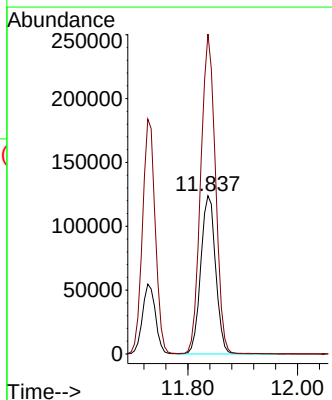
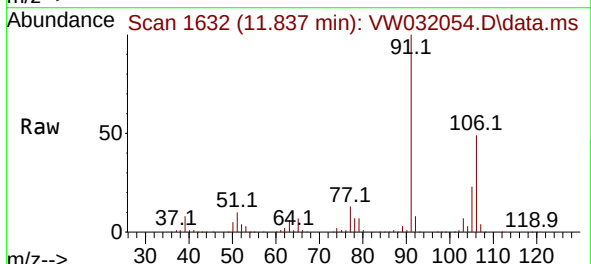
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

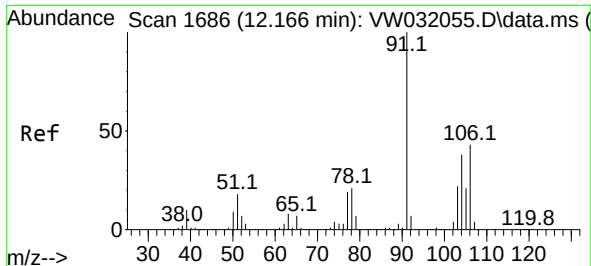
Tgt Ion: 91 Resp: 297193
Ion Ratio Lower Upper
91 100
106 29.8 25.4 38.0



#68
m/p-Xylenes
Concen: 42.376 ug/l
RT: 11.837 min Scan# 1632
Delta R.T. 0.000 min
Lab File: VW032054.D
Acq: 11 Aug 2025 09:47

Tgt Ion: 106 Resp: 233224
Ion Ratio Lower Upper
106 100
91 199.8 162.2 243.2

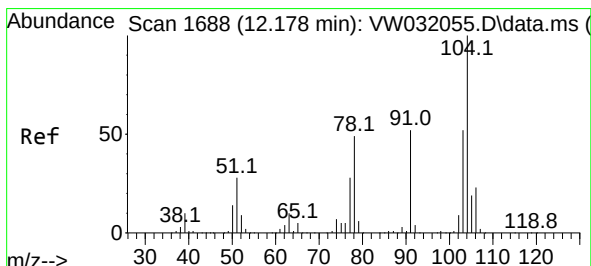
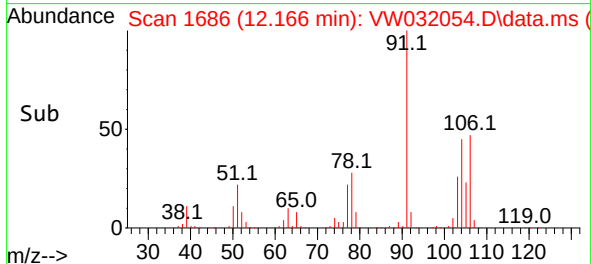
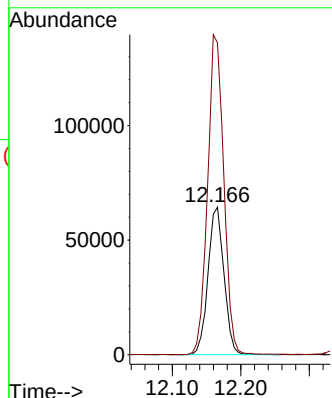
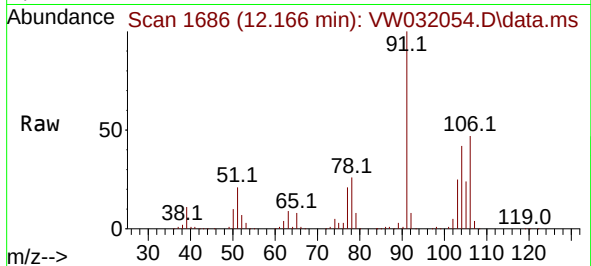




#69
o-Xylene
Concen: 20.482 ug/l
RT: 12.166 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW032054.D
Acq: 11 Aug 2025 09:47

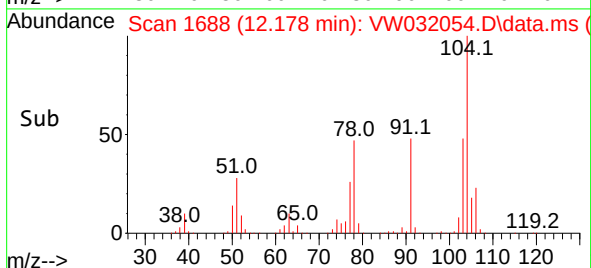
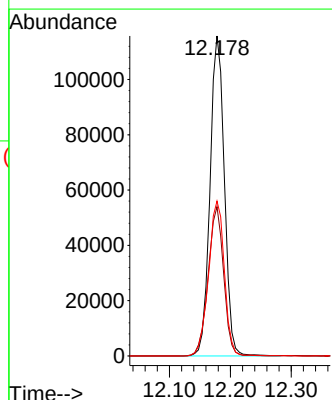
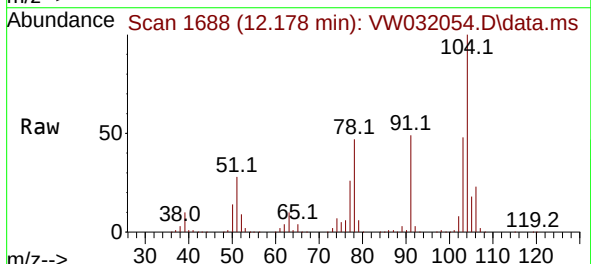
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

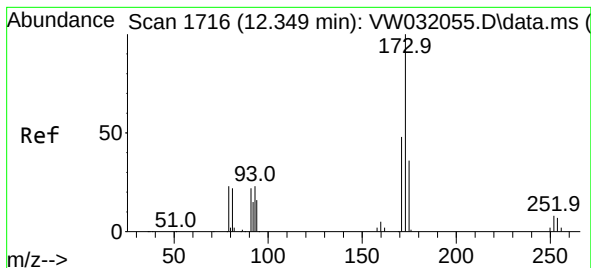
Tgt Ion:106 Resp: 104192
Ion Ratio Lower Upper
106 100
91 220.7 110.8 332.3



#70
Styrene
Concen: 20.991 ug/l
RT: 12.178 min Scan# 1688
Delta R.T. 0.000 min
Lab File: VW032054.D
Acq: 11 Aug 2025 09:47

Tgt Ion:104 Resp: 189664
Ion Ratio Lower Upper
104 100
78 50.1 41.2 61.8
103 53.2 43.8 65.8





#71

Bromoform

Concen: 18.991 ug/l

RT: 12.349 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW032054.D

Acq: 11 Aug 2025 09:47

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC020

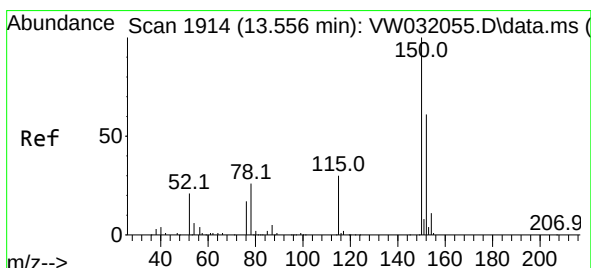
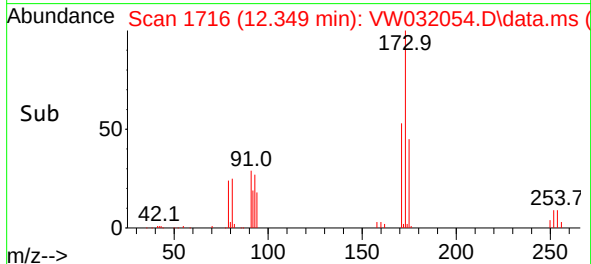
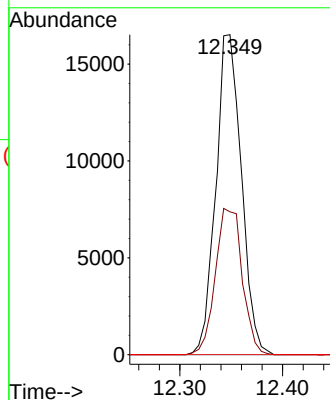
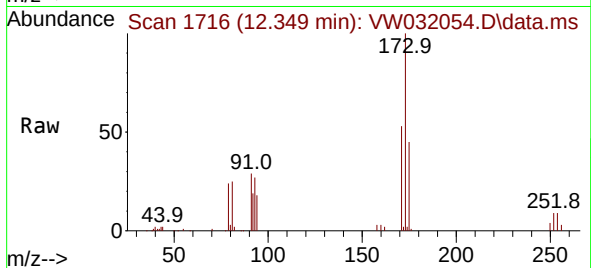
Tgt Ion:173 Resp: 28540

Ion Ratio Lower Upper

173 100

175 48.1 22.9 68.7

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.550 min Scan# 1913

Delta R.T. -0.006 min

Lab File: VW032054.D

Acq: 11 Aug 2025 09:47

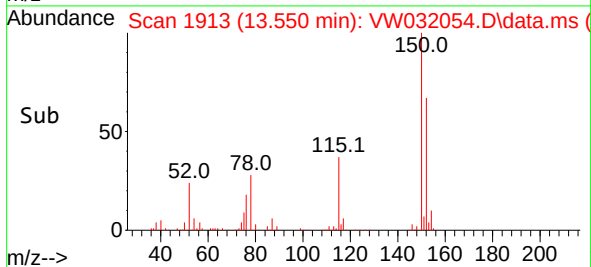
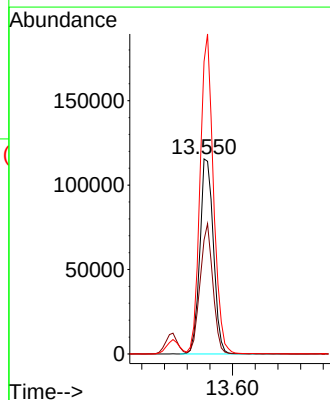
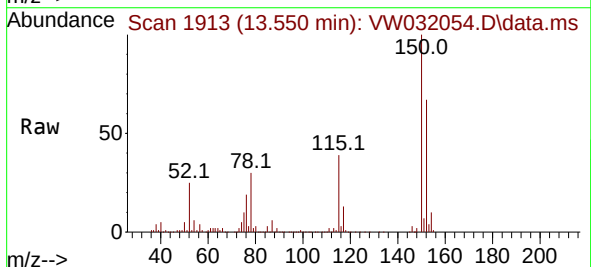
Tgt Ion:152 Resp: 191343

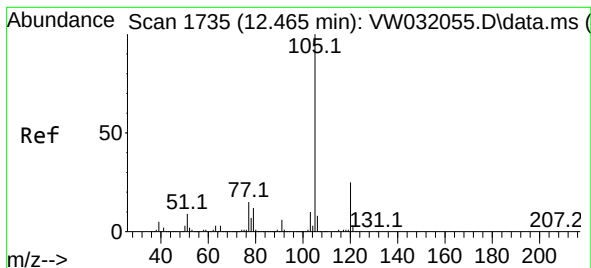
Ion Ratio Lower Upper

152 100

115 63.0 32.6 97.8

150 161.1 0.0 359.4

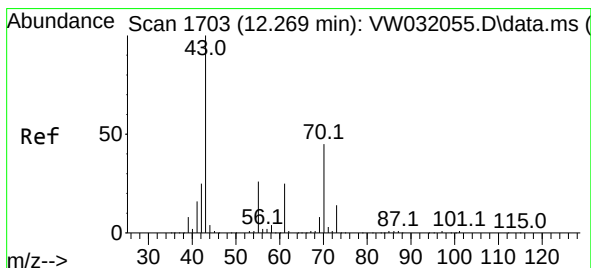
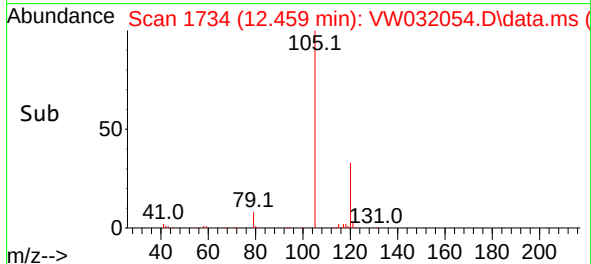
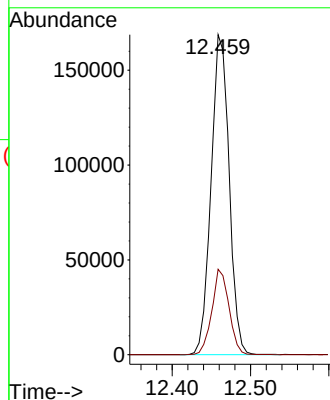
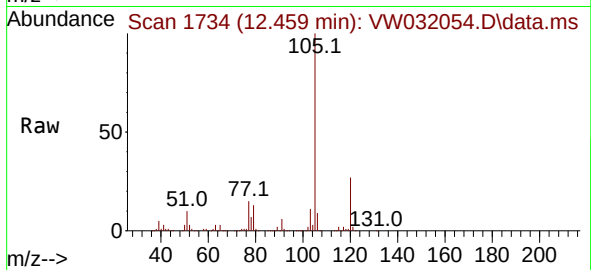




#73
Isopropylbenzene
Concen: 20.178 ug/l
RT: 12.459 min Scan# 1734
Delta R.T. -0.006 min
Lab File: VW032054.D
Acq: 11 Aug 2025 09:47

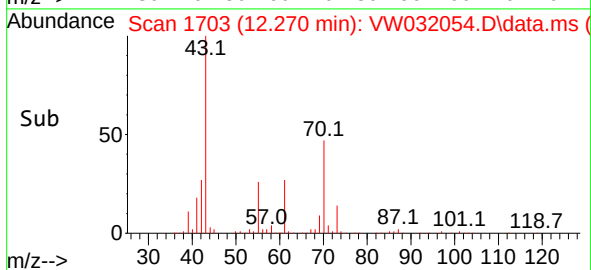
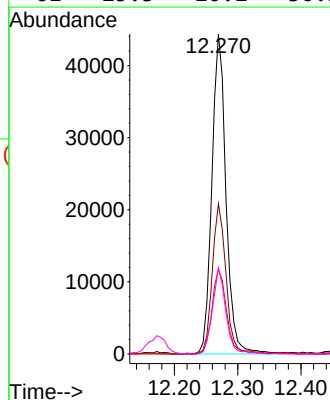
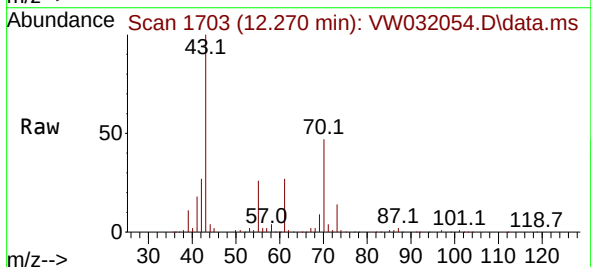
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

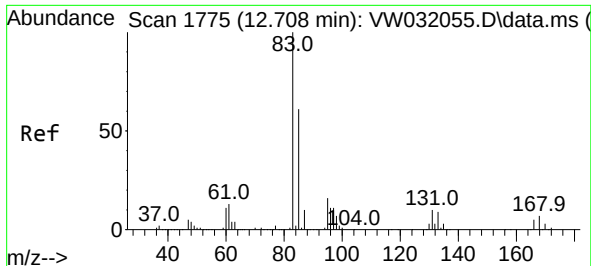
Tgt Ion:105 Resp: 269829
Ion Ratio Lower Upper
105 100
120 25.3 12.8 38.4



#74
N-ethyl acetate
Concen: 18.005 ug/l
RT: 12.270 min Scan# 1703
Delta R.T. 0.000 min
Lab File: VW032054.D
Acq: 11 Aug 2025 09:47

Tgt Ion: 43 Resp: 69075
Ion Ratio Lower Upper
43 100
70 45.7 37.0 55.4
55 27.7 21.1 31.7
61 25.3 20.2 30.2

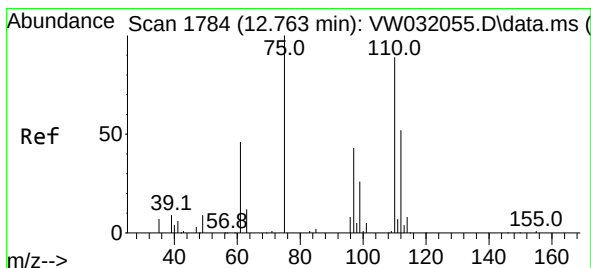
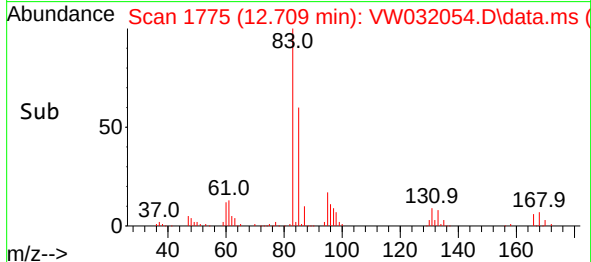
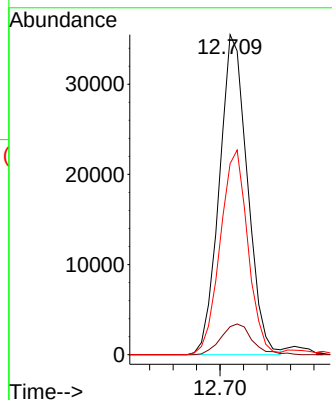
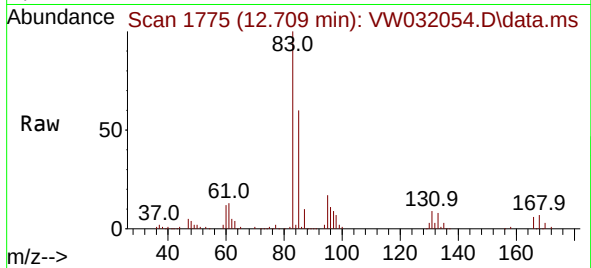




#75
1,1,2,2-Tetrachloroethane
Concen: 18.531 ug/l
RT: 12.709 min Scan# 1775
Delta R.T. 0.000 min
Lab File: VW032054.D
Acq: 11 Aug 2025 09:47

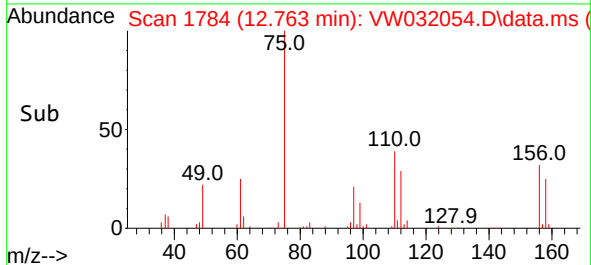
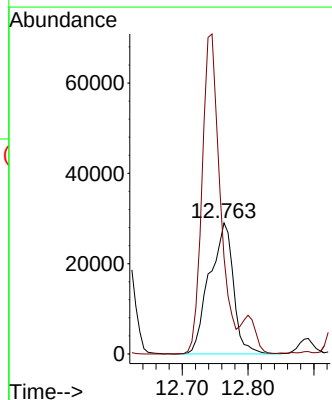
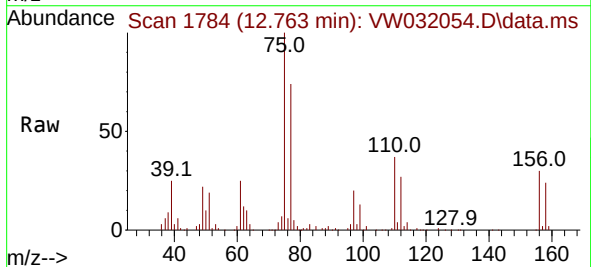
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

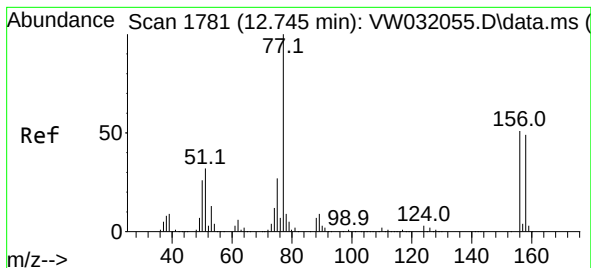
Tgt Ion	83	Resp	58836
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.1	15.4
85	63.2	32.2	96.6



#76
1,2,3-Trichloropropane
Concen: 25.017 ug/l
RT: 12.763 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VW032054.D
Acq: 11 Aug 2025 09:47

Tgt Ion	75	Resp	73585
Ion Ratio	Lower	Upper	
75	100		
77	183.8	123.5	370.5





#77

Bromobenzene

Concen: 19.221 ug/l

RT: 12.745 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW032054.D

Acq: 11 Aug 2025 09:47

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC020

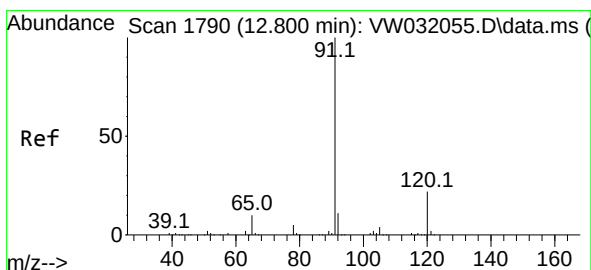
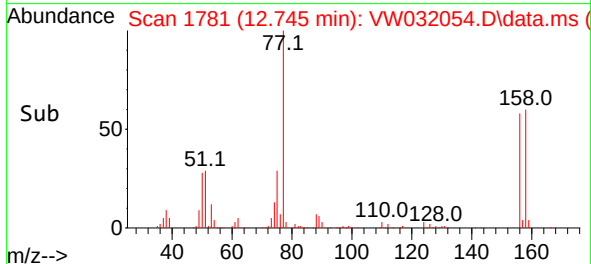
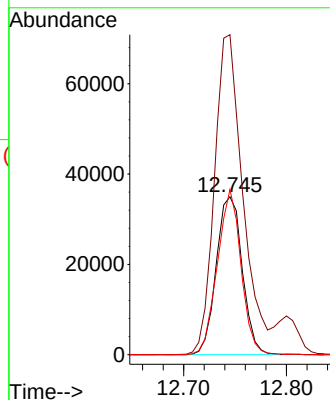
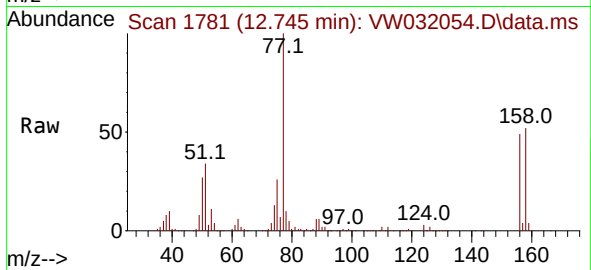
Tgt Ion:156 Resp: 61389

Ion Ratio Lower Upper

156 100

77 220.3 108.7 326.3

158 95.2 48.3 144.9



#78

n-propylbenzene

Concen: 20.476 ug/l

RT: 12.800 min Scan# 1790

Delta R.T. 0.000 min

Lab File: VW032054.D

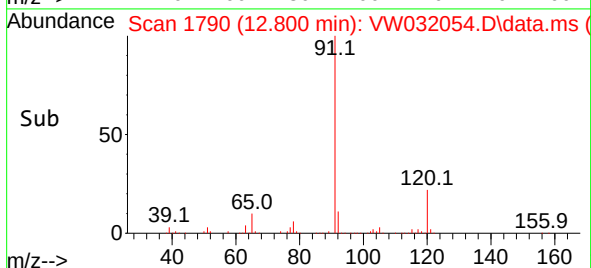
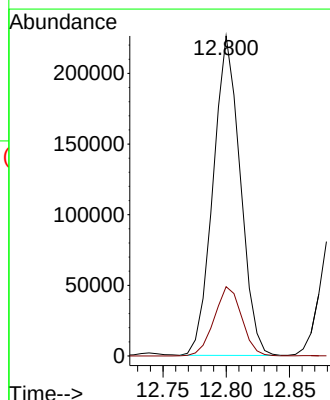
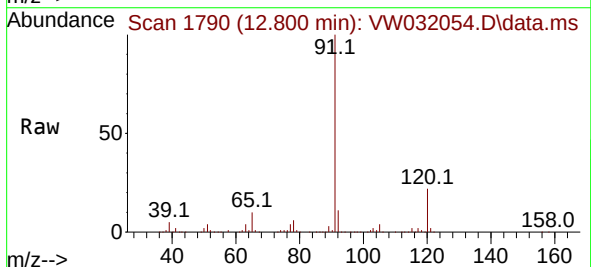
Acq: 11 Aug 2025 09:47

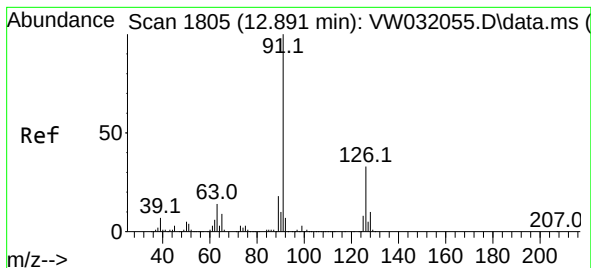
Tgt Ion: 91 Resp: 337098

Ion Ratio Lower Upper

91 100

120 22.0 11.1 33.3

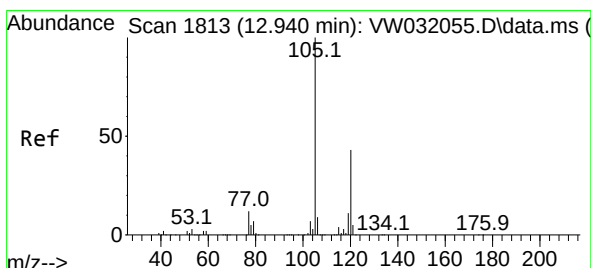
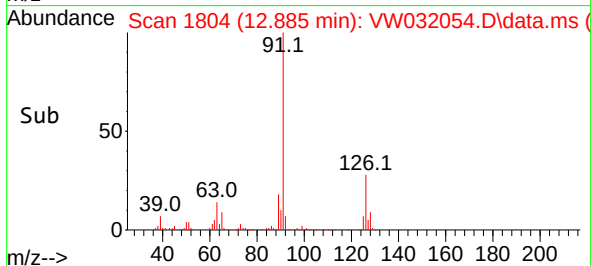
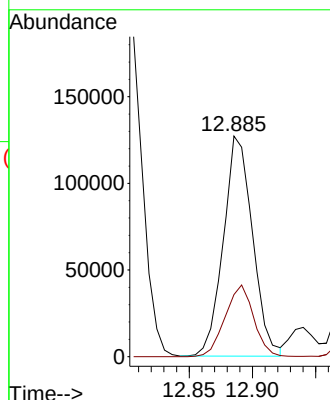
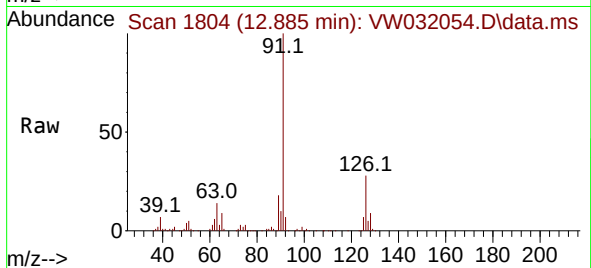




#79
2-Chlorotoluene
Concen: 20.069 ug/l
RT: 12.885 min Scan# 1804
Delta R.T. -0.006 min
Lab File: VW032054.D
Acq: 11 Aug 2025 09:47

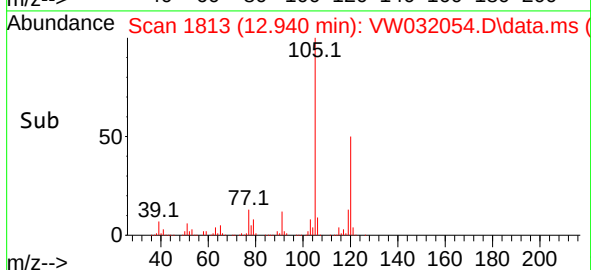
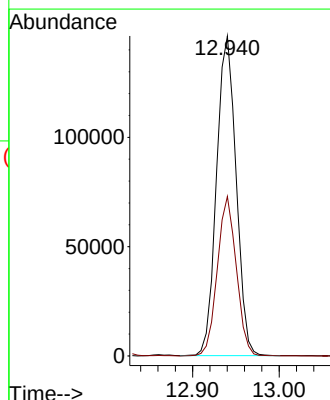
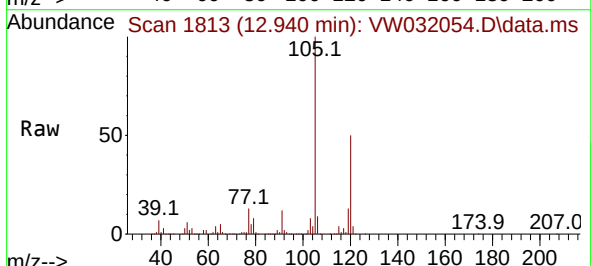
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

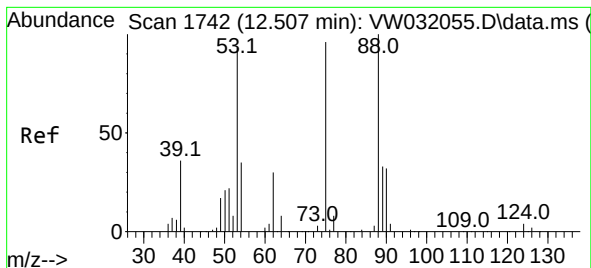
Tgt Ion: 91 Resp: 203918
Ion Ratio Lower Upper
91 100
126 32.0 15.9 47.7



#80
1,3,5-Trimethylbenzene
Concen: 20.226 ug/l
RT: 12.940 min Scan# 1813
Delta R.T. 0.000 min
Lab File: VW032054.D
Acq: 11 Aug 2025 09:47

Tgt Ion: 105 Resp: 229615
Ion Ratio Lower Upper
105 100
120 48.5 23.4 70.0

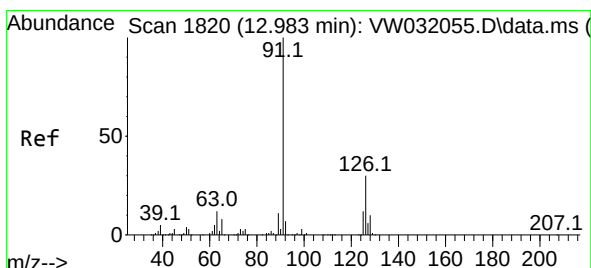
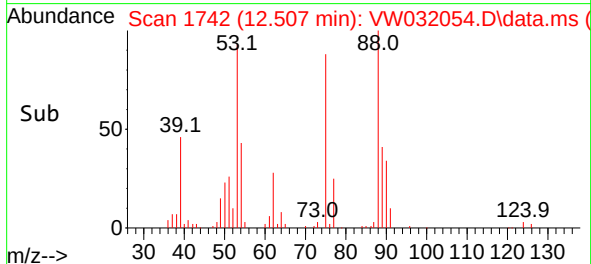
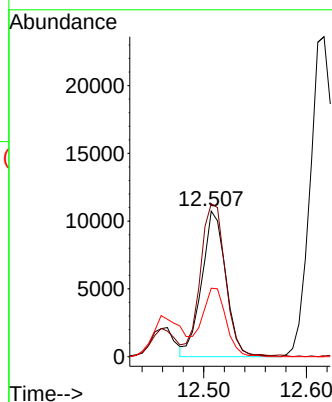
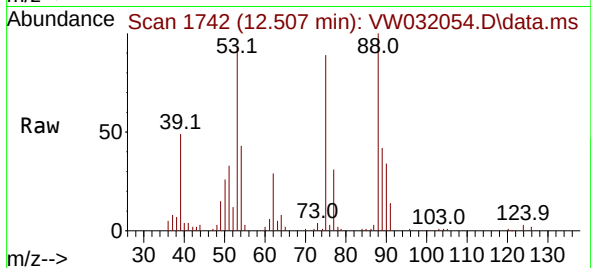




#81
trans-1,4-Dichloro-2-butene
Concen: 17.458 ug/l
RT: 12.507 min Scan# 1742
Delta R.T. 0.000 min
Lab File: VW032054.D
Acq: 11 Aug 2025 09:47

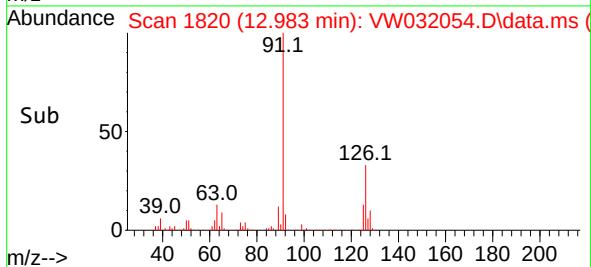
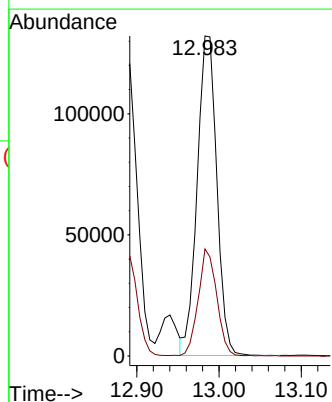
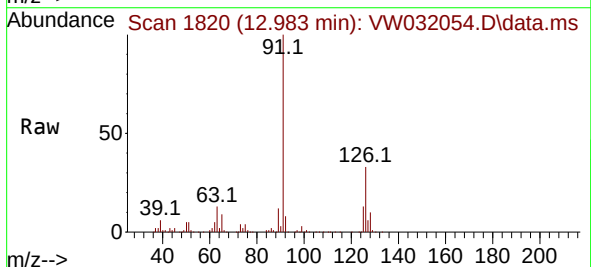
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

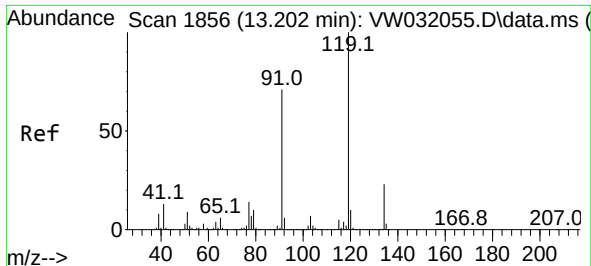
Tgt Ion:	75	Resp:	17512
Ion Ratio	Lower	Upper	
75	100		
53	110.9	81.0	121.6
89	48.9	37.3	55.9



#82
4-Chlorotoluene
Concen: 20.253 ug/l
RT: 12.983 min Scan# 1820
Delta R.T. 0.000 min
Lab File: VW032054.D
Acq: 11 Aug 2025 09:47

Tgt Ion:	91	Resp:	218637
Ion Ratio	Lower	Upper	
91	100		
126	31.9	15.5	46.5

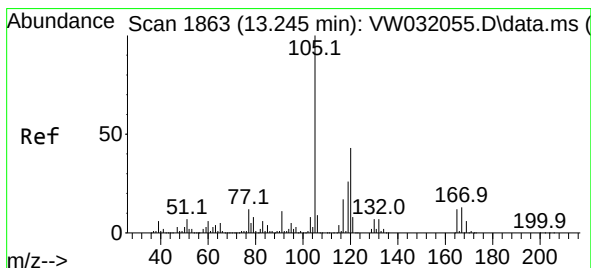
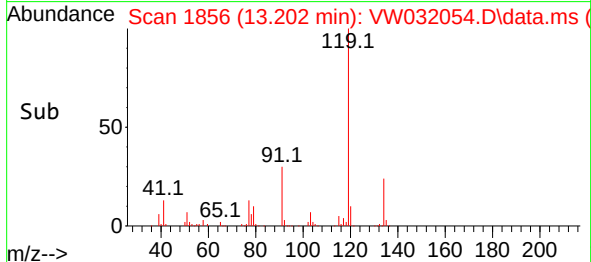
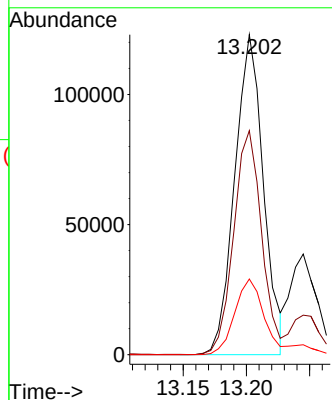
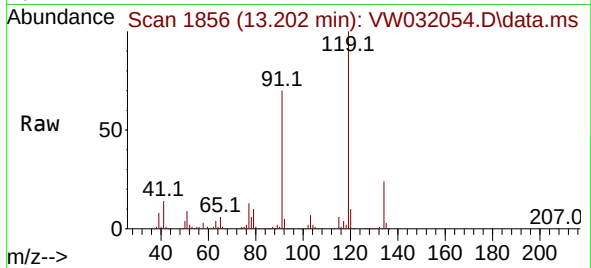




#83
 tert-Butylbenzene
 Concen: 20.608 ug/l
 RT: 13.202 min Scan# 1856
 Delta R.T. 0.000 min
 Lab File: VW032054.D
 Acq: 11 Aug 2025 09:47

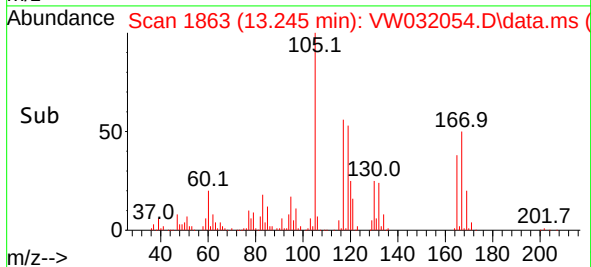
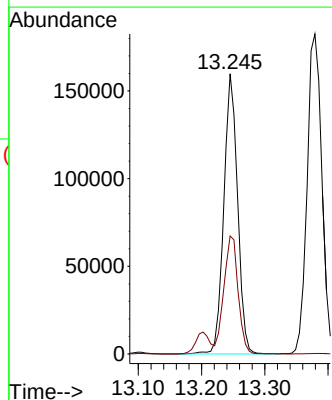
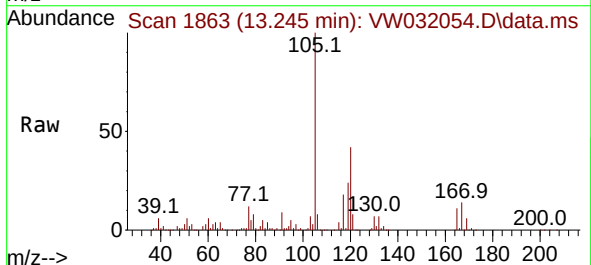
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

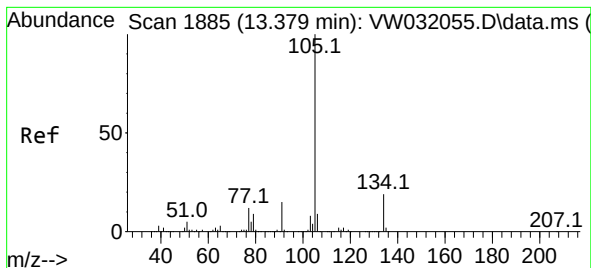
Tgt Ion:119 Resp: 194168
 Ion Ratio Lower Upper
 119 100
 91 68.1 35.3 105.9
 134 24.2 12.1 36.3



#84
 1,2,4-Trimethylbenzene
 Concen: 20.774 ug/l
 RT: 13.245 min Scan# 1863
 Delta R.T. 0.000 min
 Lab File: VW032054.D
 Acq: 11 Aug 2025 09:47

Tgt Ion:105 Resp: 240078
 Ion Ratio Lower Upper
 105 100
 120 43.5 21.6 64.8

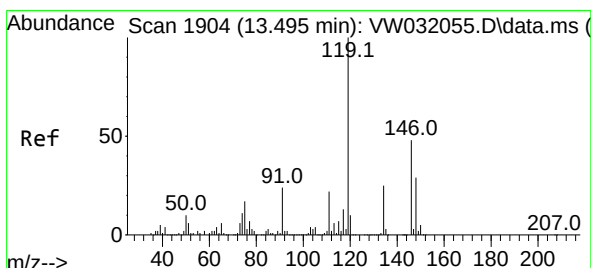
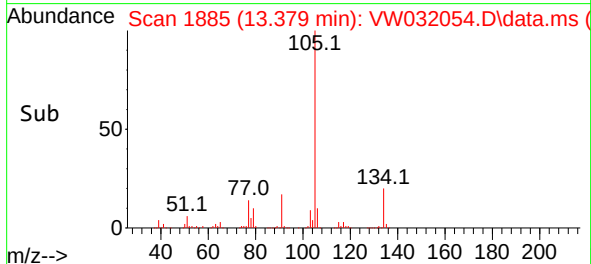
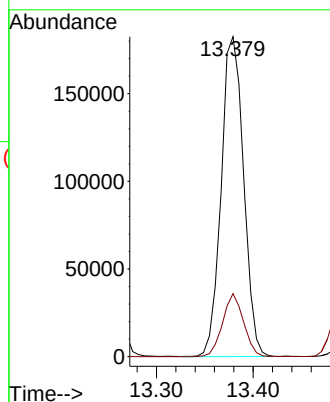
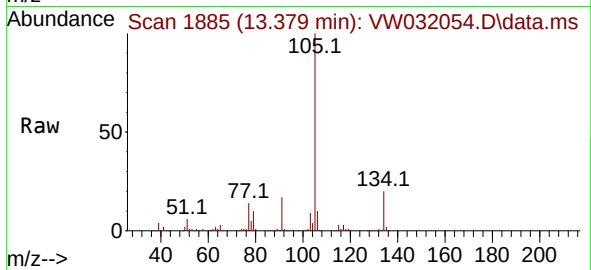




#85
 sec-Butylbenzene
 Concen: 20.547 ug/l
 RT: 13.379 min Scan# 1885
 Delta R.T. 0.000 min
 Lab File: VW032054.D
 Acq: 11 Aug 2025 09:47

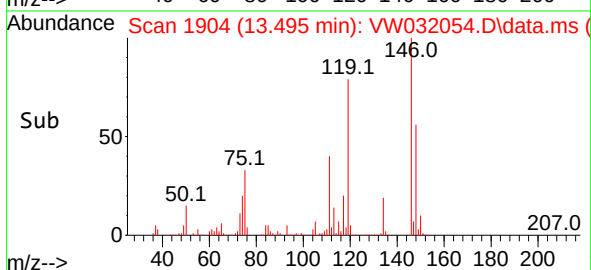
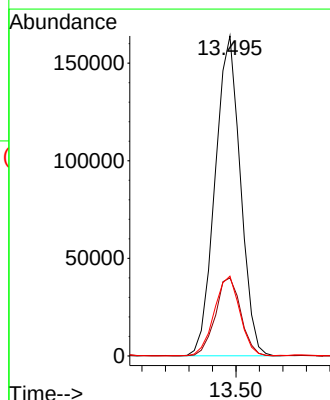
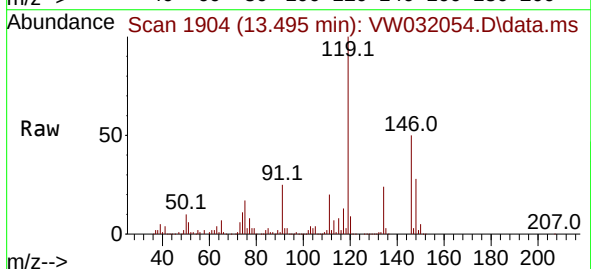
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC020

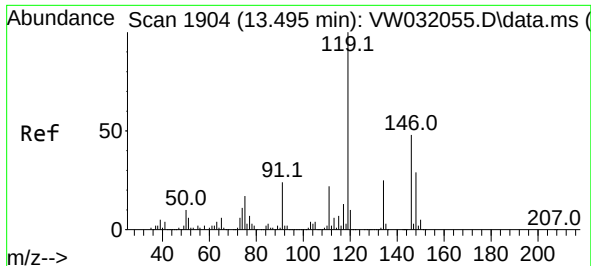
Tgt Ion:105 Resp: 292689
 Ion Ratio Lower Upper
 105 100
 134 18.5 9.9 29.7



#86
 p-Isopropyltoluene
 Concen: 20.638 ug/l
 RT: 13.495 min Scan# 1904
 Delta R.T. 0.000 min
 Lab File: VW032054.D
 Acq: 11 Aug 2025 09:47

Tgt Ion:119 Resp: 245081
 Ion Ratio Lower Upper
 119 100
 134 24.5 12.4 37.0
 91 25.1 12.1 36.3





#87

1,3-Dichlorobenzene

Concen: 20.282 ug/l

RT: 13.495 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VW032054.D

Acq: 11 Aug 2025 09:47

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC020

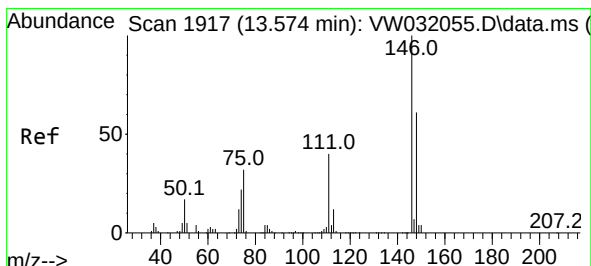
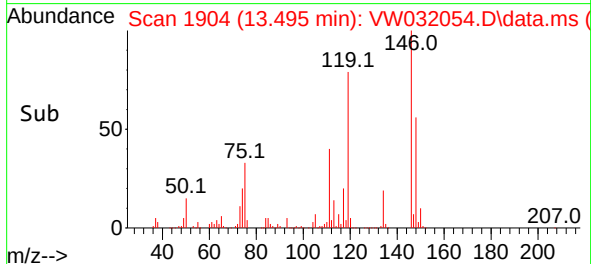
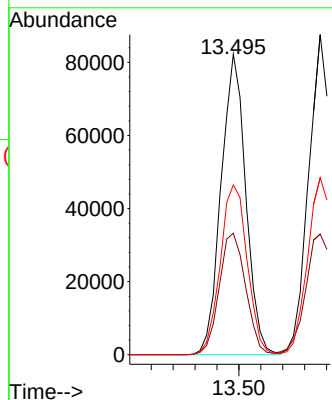
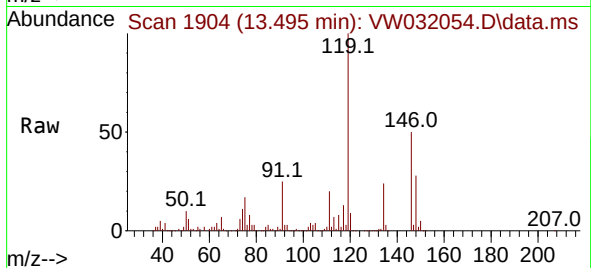
Tgt Ion:146 Resp: 128893

Ion Ratio Lower Upper

146 100

111 43.2 21.2 63.6

148 61.5 30.3 90.8



#88

1,4-Dichlorobenzene

Concen: 20.724 ug/l

RT: 13.574 min Scan# 1917

Delta R.T. 0.000 min

Lab File: VW032054.D

Acq: 11 Aug 2025 09:47

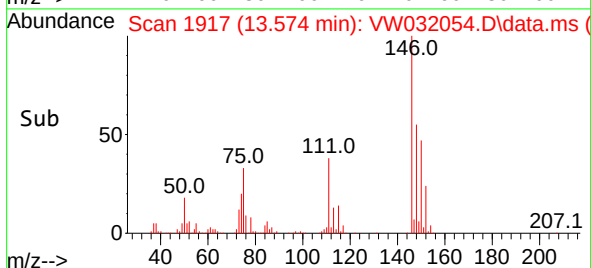
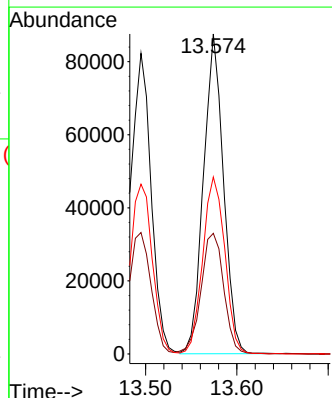
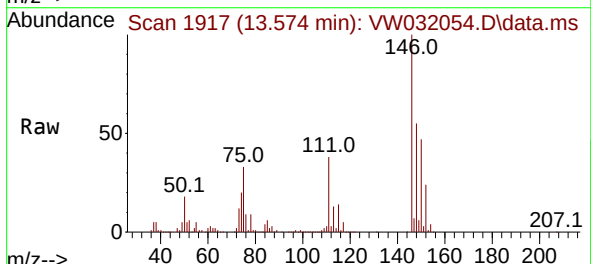
Tgt Ion:146 Resp: 133097

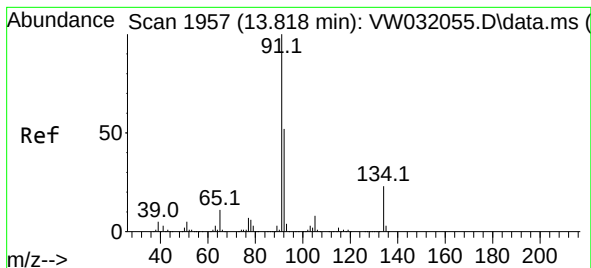
Ion Ratio Lower Upper

146 100

111 42.7 21.6 64.6

148 61.1 32.0 96.2





#89

n-Butylbenzene

Concen: 20.328 ug/l

RT: 13.818 min Scan# 1957

Delta R.T. 0.000 min

Lab File: VW032054.D

Acq: 11 Aug 2025 09:47

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

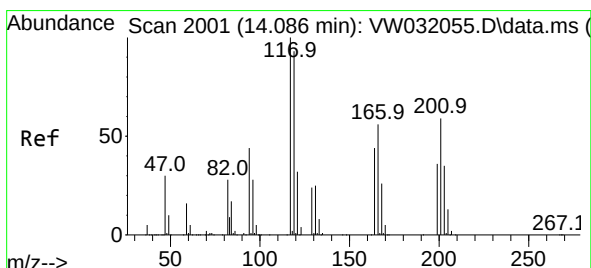
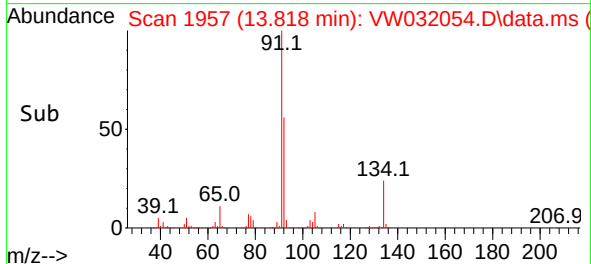
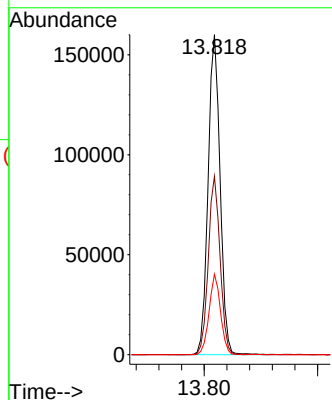
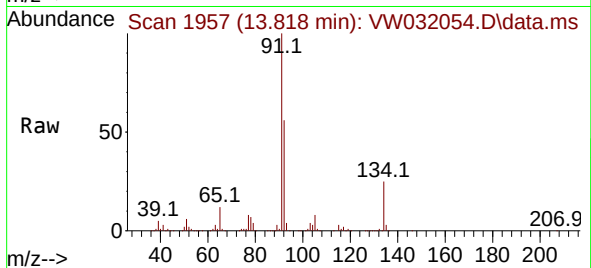
Tgt Ion: 91 Resp: 234522

Ion Ratio Lower Upper

91 100

92 54.8 26.7 80.1

134 24.0 12.0 36.1



#90

Hexachloroethane

Concen: 19.904 ug/l

RT: 14.086 min Scan# 2001

Delta R.T. 0.000 min

Lab File: VW032054.D

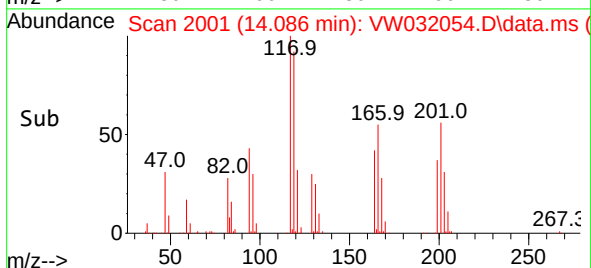
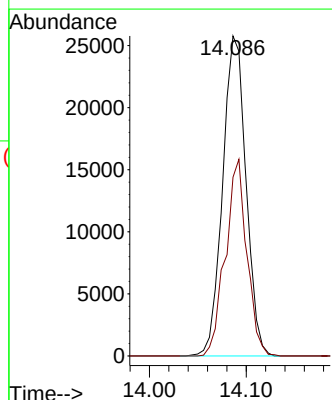
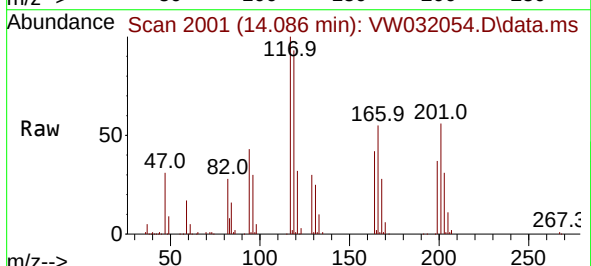
Acq: 11 Aug 2025 09:47

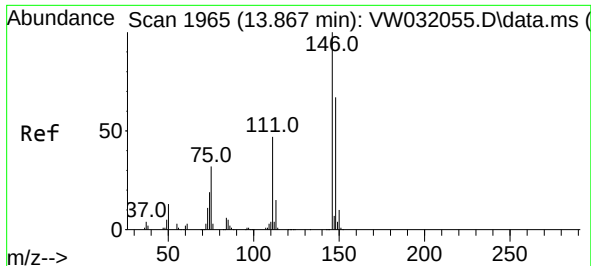
Tgt Ion: 117 Resp: 43226

Ion Ratio Lower Upper

117 100

201 56.5 30.9 92.5





#91

1,2-Dichlorobenzene

Concen: 19.812 ug/l

RT: 13.861 min Scan# 1965

Delta R.T. -0.006 min

Lab File: VW032054.D

Acq: 11 Aug 2025 09:47

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC020

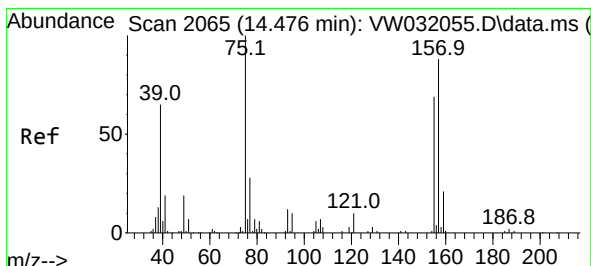
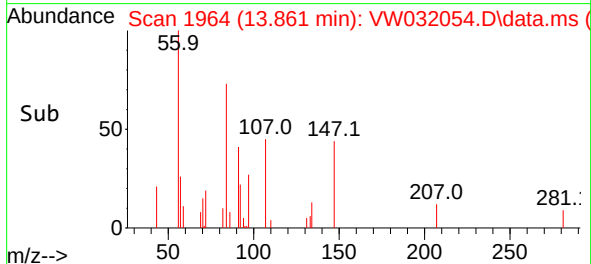
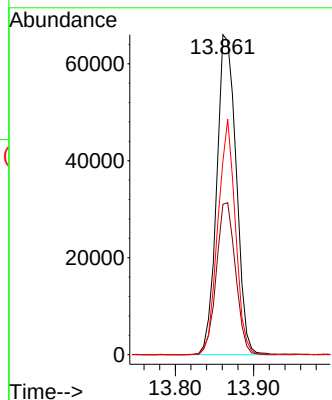
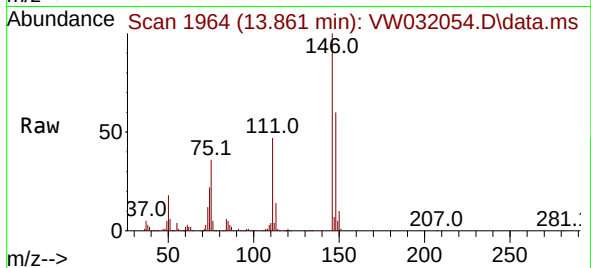
Tgt Ion:146 Resp: 114056

Ion Ratio Lower Upper

146 100

111 46.8 23.1 69.3

148 66.0 32.9 98.6



#92

1,2-Dibromo-3-Chloropropane

Concen: 17.736 ug/l

RT: 14.476 min Scan# 2065

Delta R.T. 0.000 min

Lab File: VW032054.D

Acq: 11 Aug 2025 09:47

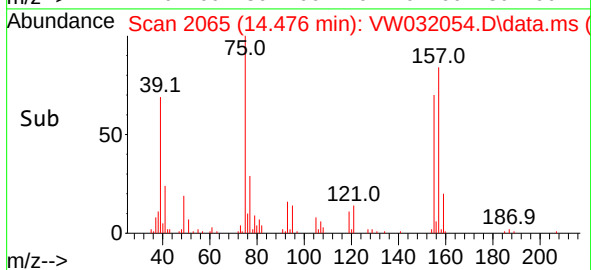
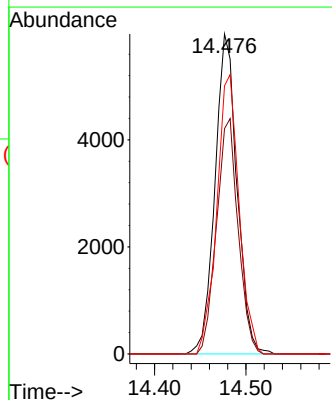
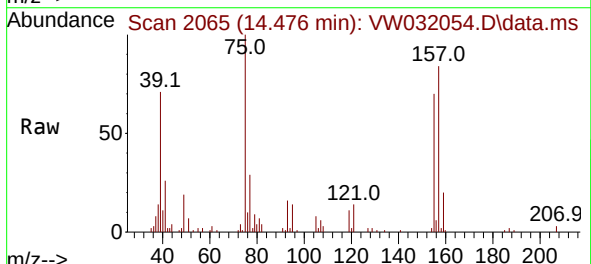
Tgt Ion: 75 Resp: 10011

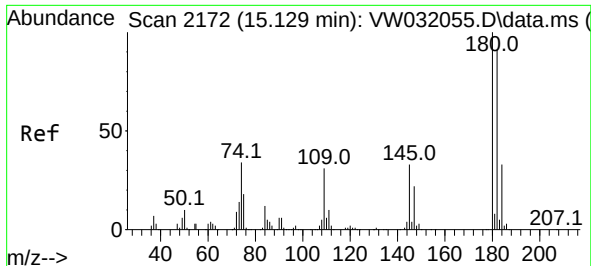
Ion Ratio Lower Upper

75 100

155 72.2 35.2 105.6

157 88.0 47.5 142.6





#93

1,2,4-Trichlorobenzene

Concen: 20.102 ug/l

RT: 15.123 min Scan# 2171

Delta R.T. -0.006 min

Lab File: VW032054.D

Acq: 11 Aug 2025 09:47

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

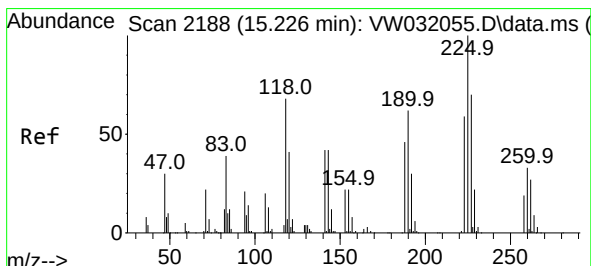
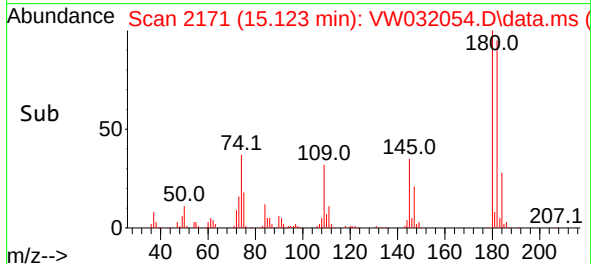
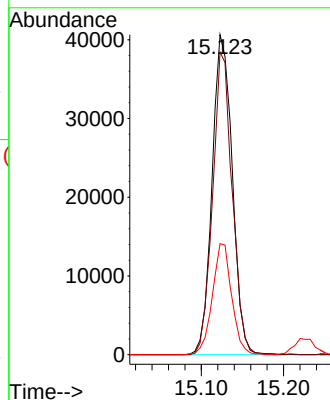
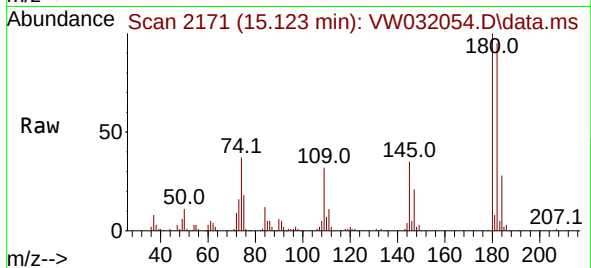
Tgt Ion:180 Resp: 69229

Ion Ratio Lower Upper

180 100

182 91.7 49.0 147.0

145 33.4 17.3 51.9



#94

Hexachlorobutadiene

Concen: 19.720 ug/l

RT: 15.226 min Scan# 2188

Delta R.T. 0.000 min

Lab File: VW032054.D

Acq: 11 Aug 2025 09:47

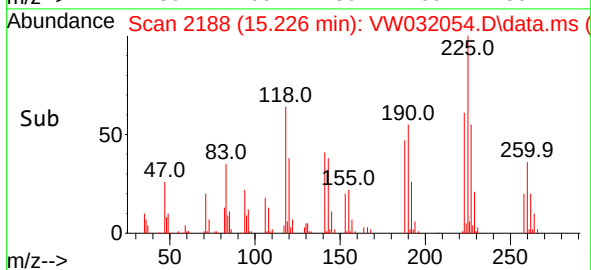
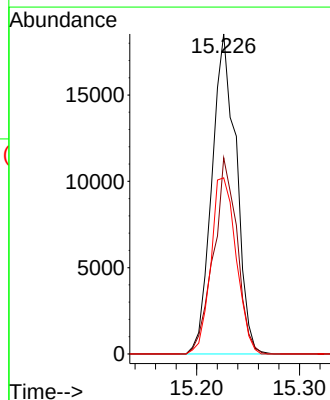
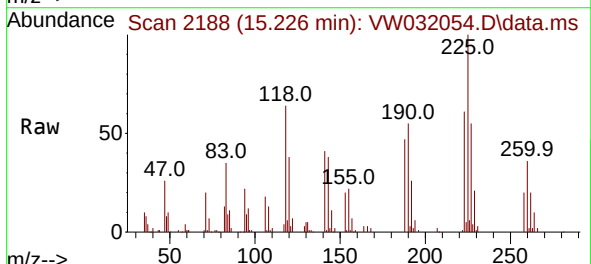
Tgt Ion:225 Resp: 30358

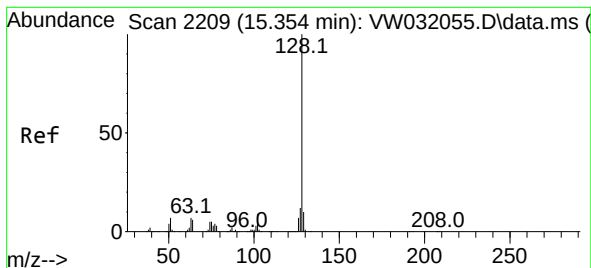
Ion Ratio Lower Upper

225 100

223 59.4 31.8 95.3

227 57.4 33.5 100.5





#95

Naphthalene

Concen: 18.147 ug/l

RT: 15.360 min Scan# 2209

Delta R.T. 0.006 min

Lab File: VW032054.D

Acq: 11 Aug 2025 09:47

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

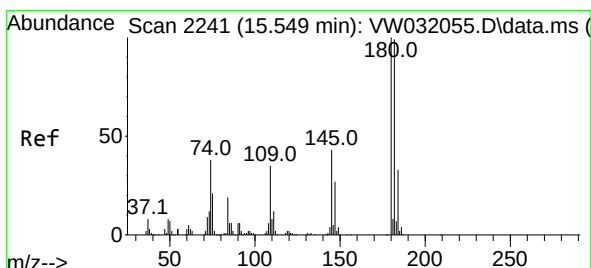
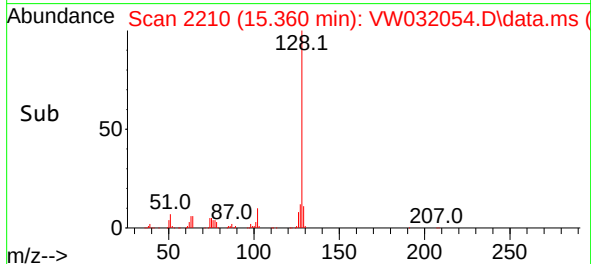
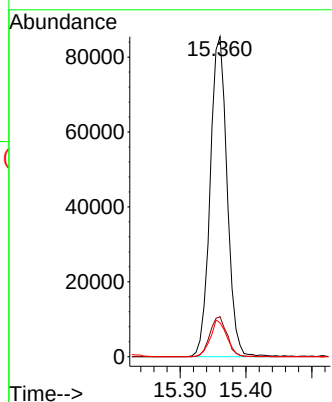
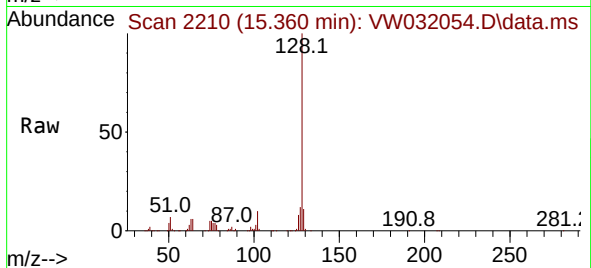
Tgt Ion:128 Resp: 153137

Ion Ratio Lower Upper

128 100

127 12.6 10.5 15.7

129 11.1 8.2 12.4



#96

1,2,3-Trichlorobenzene

Concen: 19.635 ug/l

RT: 15.543 min Scan# 2240

Delta R.T. -0.006 min

Lab File: VW032054.D

Acq: 11 Aug 2025 09:47

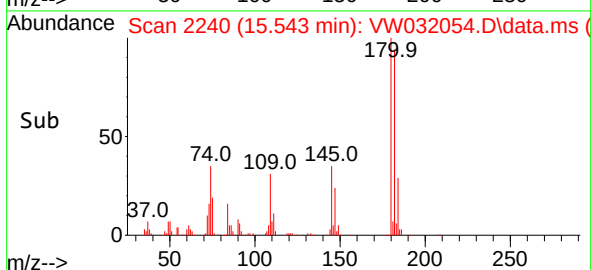
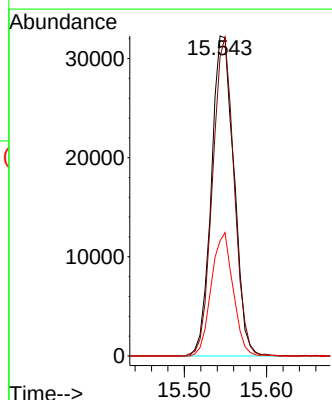
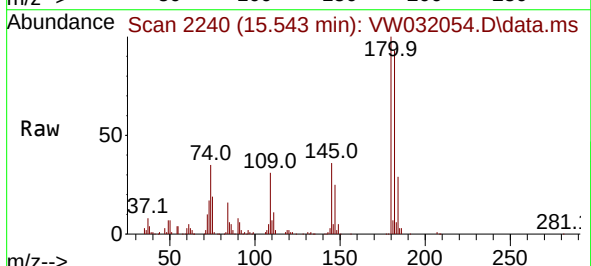
Tgt Ion:180 Resp: 61526

Ion Ratio Lower Upper

180 100

182 95.0 46.0 138.0

145 37.1 19.2 57.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081125\
 Data File : VW032055.D
 Acq On : 11 Aug 2025 10:09
 Operator : SY/MD
 Sample : VSTDICCC050
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Quant Time: Aug 12 03:38:40 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 12 03:34:13 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.959	168	223324	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	406973	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	378090	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	178995	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	159972	49.529	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	99.060%
35) Dibromofluoromethane	7.898	113	132195	50.279	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	100.560%
50) Toluene-d8	10.325	98	506634	52.098	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	104.200%
62) 4-Bromofluorobenzene	12.617	95	187331	52.274	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	104.540%

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	2.040	85	75096	47.015	ug/l	100
3) Chloromethane	2.259	50	97719	45.418	ug/l	100
4) Vinyl Chloride	2.405	62	118378	45.486	ug/l	100
5) Bromomethane	2.820	94	91749	46.991	ug/l	100
6) Chloroethane	2.972	64	82045	47.641	ug/l	100
7) Trichlorofluoromethane	3.302	101	103706	49.743	ug/l	100
8) Diethyl Ether	3.722	74	84764	49.624	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.094	101	115526	46.968	ug/l	100
10) Methyl Iodide	4.307	142	167079	47.909	ug/l	100
11) Tert butyl alcohol	5.222	59	56322	269.294	ug/l	100
12) 1,1-Dichloroethene	4.082	96	128304	47.373	ug/l	100
13) Acrolein	3.930	56	78858	236.637	ug/l	100
14) Allyl chloride	4.704	41	192434	48.819	ug/l	100
15) Acrylonitrile	5.405	53	213941	262.963	ug/l	100
16) Acetone	4.161	43	182559	244.127	ug/l	100
17) Carbon Disulfide	4.423	76	347752	47.836	ug/l	100
18) Methyl Acetate	4.710	43	123902	52.361	ug/l	100
19) Methyl tert-butyl Ether	5.466	73	246045	51.560	ug/l	100
20) Methylene Chloride	4.960	84	152186	44.016	ug/l	100
21) trans-1,2-Dichloroethene	5.460	96	139994	48.707	ug/l	100
22) Diisopropyl ether	6.344	45	421731	50.751	ug/l	100
23) Vinyl Acetate	6.283	43	1450553	265.873	ug/l	100
24) 1,1-Dichloroethane	6.240	63	258279	48.646	ug/l	100
25) 2-Butanone	7.191	43	284711	267.883	ug/l	100
26) 2,2-Dichloropropane	7.191	77	129390	48.578	ug/l	100
27) cis-1,2-Dichloroethene	7.191	96	167240	49.779	ug/l	100
28) Bromochloromethane	7.533	49	121266	50.191	ug/l	100
29) Tetrahydrofuran	7.551	42	190719	272.100	ug/l	100
30) Chloroform	7.691	83	275905	49.018	ug/l	100
31) Cyclohexane	7.971	56	214597	46.622	ug/l	100
32) 1,1,1-Trichloroethane	7.886	97	194676	47.617	ug/l	100
36) 1,1-Dichloropropene	8.099	75	190046	51.274	ug/l	100
37) Ethyl Acetate	7.276	43	119689	54.829	ug/l	100
38) Carbon Tetrachloride	8.087	117	182422	51.000	ug/l	100
39) Methylcyclohexane	9.343	83	235341	52.093	ug/l	100
40) Benzene	8.337	78	597760	51.883	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081125\
 Data File : VW032055.D
 Acq On : 11 Aug 2025 10:09
 Operator : SY/MD
 Sample : VSTDICCC050
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Quant Time: Aug 12 03:38:40 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 12 03:34:13 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.496	41	68136	55.039	ug/l	100
42) 1,2-Dichloroethane	8.410	62	189755	51.471	ug/l	100
43) Isopropyl Acetate	8.435	43	219064	54.544	ug/l	100
44) Trichloroethene	9.099	130	137910	50.264	ug/l	100
45) 1,2-Dichloropropane	9.374	63	143446	51.537	ug/l	100
46) Dibromomethane	9.465	93	93001	51.770	ug/l	100
47) Bromodichloromethane	9.654	83	216521	52.307	ug/l	100
48) Methyl methacrylate	9.441	41	108287	55.849	ug/l	100
49) 1,4-Dioxane	9.465	88	26579	1144.321	ug/l	100
51) 4-Methyl-2-Pentanone	10.215	43	635174	280.194	ug/l	100
52) Toluene	10.392	92	379230	52.258	ug/l	100
53) t-1,3-Dichloropropene	10.611	75	209555	54.035	ug/l	100
54) cis-1,3-Dichloropropene	10.075	75	236454	53.744	ug/l	100
55) 1,1,2-Trichloroethane	10.788	97	124341	52.088	ug/l	100
56) Ethyl methacrylate	10.648	69	178974	56.027	ug/l	100
57) 1,3-Dichloropropane	10.934	76	216719	52.084	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.928	63	490522	277.613	ug/l	100
59) 2-Hexanone	10.971	43	447423	284.986	ug/l	100
60) Dibromochloromethane	11.129	129	142234	52.161	ug/l	100
61) 1,2-Dibromoethane	11.233	107	121625	52.430	ug/l	100
64) Tetrachloroethene	10.867	164	105400	48.263	ug/l	100
65) Chlorobenzene	11.654	112	403926	49.082	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.727	131	128215	49.935	ug/l	100
67) Ethyl Benzene	11.727	91	706877	50.709	ug/l	100
68) m/p-Xylenes	11.837	106	552442	102.704	ug/l	100
69) o-Xylene	12.166	106	257591	51.812	ug/l	100
70) Styrene	12.178	104	457949	51.858	ug/l	100
71) Bromoform	12.349	173	77959	53.078	ug/l #	100
73) Isopropylbenzene	12.465	105	654522	52.323	ug/l	100
74) N-amyl acetate	12.269	43	199256	55.520	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.708	83	156076	52.549	ug/l	100
76) 1,2,3-Trichloropropane	12.763	75	198427	72.113	ug/l	56
77) Bromobenzene	12.745	156	156335	52.326	ug/l	100
78) n-propylbenzene	12.800	91	805515	52.304	ug/l	100
79) 2-Chlorotoluene	12.891	91	490665	51.622	ug/l	100
80) 1,3,5-Trimethylbenzene	12.940	105	555481	52.305	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.507	75	51811	55.213	ug/l	100
82) 4-Chlorotoluene	12.983	91	519957	51.488	ug/l	100
83) tert-Butylbenzene	13.202	119	462373	52.460	ug/l	100
84) 1,2,4-Trimethylbenzene	13.245	105	572429	52.950	ug/l	100
85) sec-Butylbenzene	13.379	105	690647	51.829	ug/l	100
86) p-Isopropyltoluene	13.495	119	589769	53.089	ug/l	100
87) 1,3-Dichlorobenzene	13.495	146	313624	52.754	ug/l	100
88) 1,4-Dichlorobenzene	13.574	146	299453	49.844	ug/l	100
89) n-Butylbenzene	13.818	91	569364	52.756	ug/l	100
90) Hexachloroethane	14.086	117	101464	49.942	ug/l	100
91) 1,2-Dichlorobenzene	13.867	146	273581	50.801	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.476	75	28437	53.857	ug/l	100
93) 1,2,4-Trichlorobenzene	15.129	180	164726	51.132	ug/l	100
94) Hexachlorobutadiene	15.226	225	68983	47.902	ug/l	100
95) Naphthalene	15.354	128	434944	55.099	ug/l	100
96) 1,2,3-Trichlorobenzene	15.549	180	149556	51.022	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081125\
Data File : VW032055.D
Acq On : 11 Aug 2025 10:09
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Quant Time: Aug 12 03:38:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 12 03:34:13 2025
Response via : Initial Calibration

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

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

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16
- 17
- 18
- 19

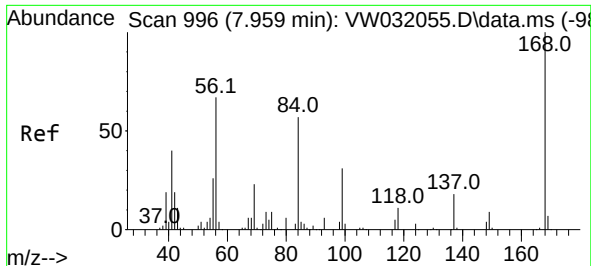
Abundance

TIC: VW032055.D\data.ms

Time-->

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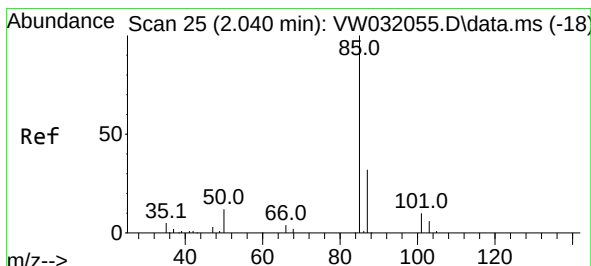
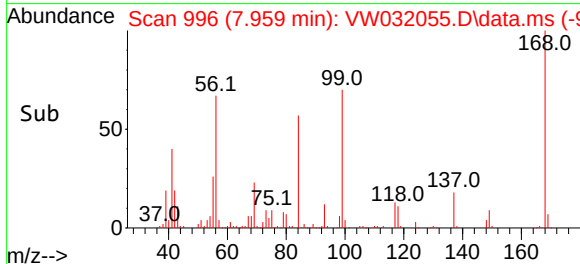
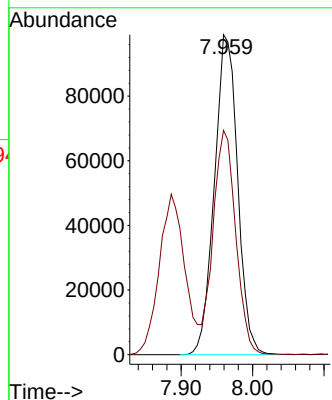
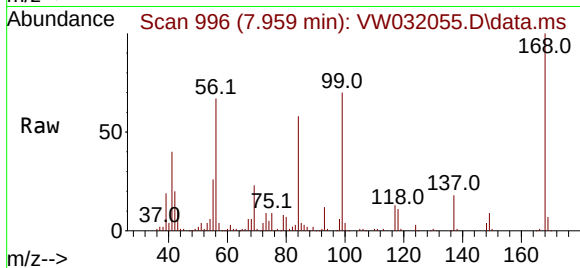
Dichlorodifluoromethane, T
Chloromethane, P
Vinyl Chloride, C
Bromomethane, T
Chloroethane, T
Trichlorofluoromethane, T
Diethyl Ether, T
Acrolein, T
Acetone, T
Methyl Carbon Disulfide, T
Methyl Chloride, T
Methylene Chloride, T
Tert butyl alcohol, T
Acrylonitrile, T
Methyl 2-butylenitrile, T
Vinyl Acetate, T
1,1-Dichloroethane, T
Diisopropyl ether, T
Ethyl Acetate, T
Methacrylonitrile, T
Bromochloromethane, T
Chloroform, C
1,1-Dichloroethane, S
1,1-Dichloroethane, I
1,2-Dichloroethane, S
1,2-Dichloroethane, I
1,2-Dichloroethane, TM
1,4-Difluorobenzene, I
Trichloroethene, TM
Methylcyclohexane, T
Bromodichloromethane, T
cis-1,3-Dichloropropene, T
Toluene-d8, S
Toluene, CM
2-Chloroethyl Vinyl ether, T
4-Methyl-2-Pentanone, T
2-Hexanone, T
1,2-Dibromobenzene, I
1,2-Dibromobenzene, I
Chlorobenzene, S
Chlorobenzene, TM
N-amyl acetate, T
Bromoforn, P
trans-1,4-Dichloro-2-butene, T
1,2-Dichloropropane, I
1,2-Dichloropropane, T
1,2-Trichlorobenzene, T
1,3-Dichlorobenzene, I
Dibromochloromethane, I
1,2-Dibromobenzene, I
Chlorobenzene, S
Ethyl 2-bromopropionate, T
Ethyl 2-bromopropionate, T
Styrene-Xylene, T
Isopropylbenzene, T
Bromobenzene, I
n-propylbenzene, T
1,2,4-Trimethylbenzene, T
2-Chlorobenzene, I
4-Chlorobenzene, I
tert-Butylbenzene, I
sec-Butylbenzene, T
1,4-Dichlorobenzene, I
1,4-Dichlorobenzene, I
n-Butylbenzene, T
1,2-Dichlorobenzene, I
Hexachloroethane, T
1,2-Dibromo-3-Chloropropane, T
1,2-Dibromobenzene, I
Hexachlorobenzene, T
Naphthalene, I
1,2,4-Trichlorobenzene, T
1,2,3-Trichlorobenzene, T



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 996
Delta R.T. 0.000 min
Lab File: VW032055.D
Acq: 11 Aug 2025 10:09

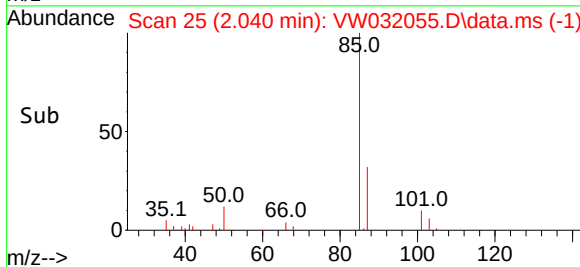
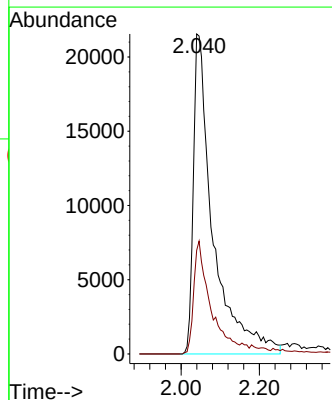
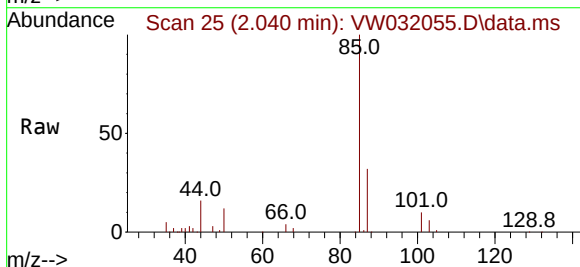
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

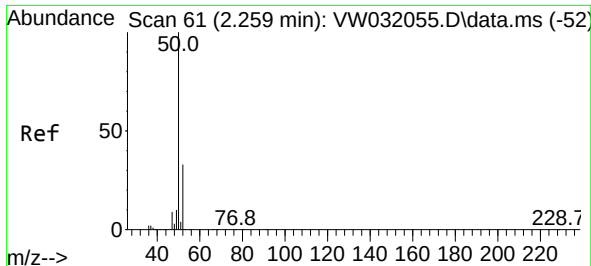
Tgt Ion:168 Resp: 223324
Ion Ratio Lower Upper
168 100
99 70.0 56.0 84.0



#2
Dichlorodifluoromethane
Concen: 47.015 ug/l
RT: 2.040 min Scan# 25
Delta R.T. 0.000 min
Lab File: VW032055.D
Acq: 11 Aug 2025 10:09

Tgt Ion: 85 Resp: 75096
Ion Ratio Lower Upper
85 100
87 32.4 16.2 48.6

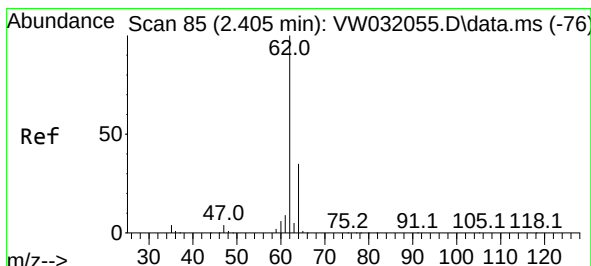
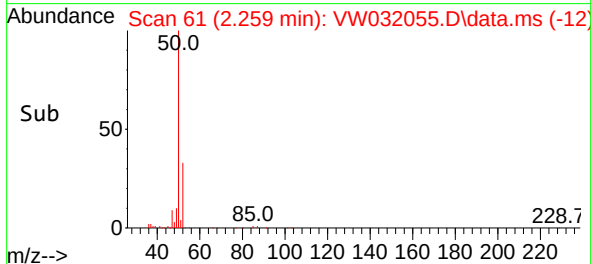
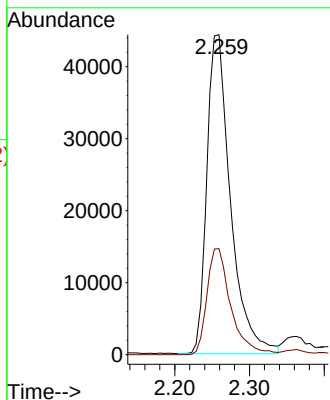
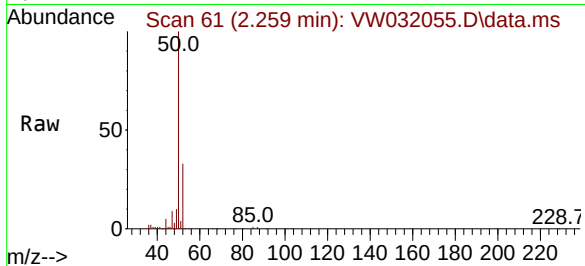




#3
Chloromethane
Concen: 45.418 ug/l
RT: 2.259 min Scan# 61
Delta R.T. 0.000 min
Lab File: VW032055.D
Acq: 11 Aug 2025 10:09

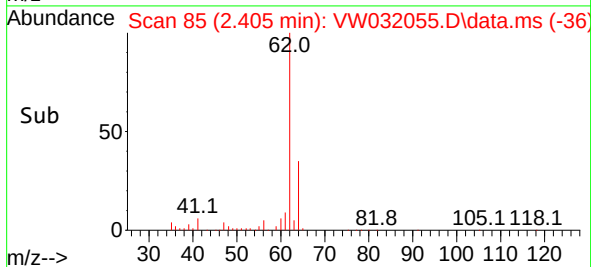
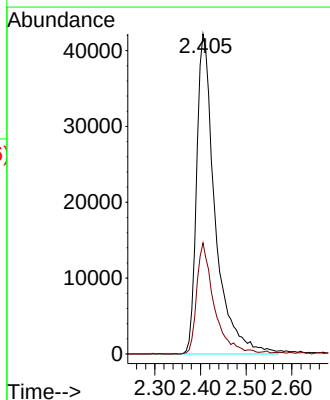
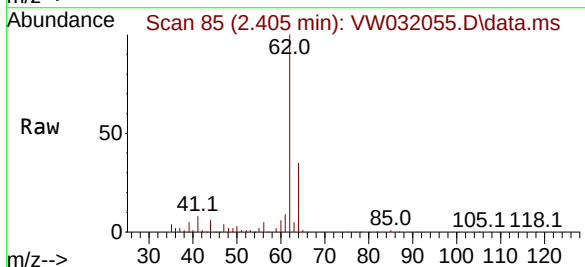
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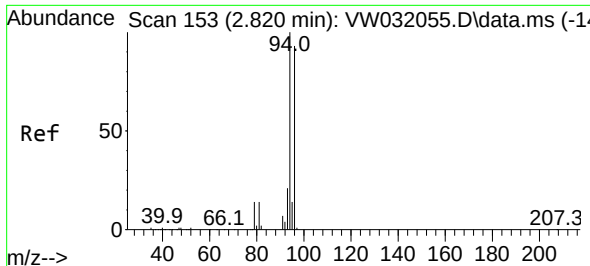
Tgt Ion: 50 Resp: 97719
Ion Ratio Lower Upper
50 100
52 33.2 26.6 39.8



#4
Vinyl Chloride
Concen: 45.486 ug/l
RT: 2.405 min Scan# 85
Delta R.T. 0.000 min
Lab File: VW032055.D
Acq: 11 Aug 2025 10:09

Tgt Ion: 62 Resp: 118378
Ion Ratio Lower Upper
62 100
64 34.7 27.8 41.6

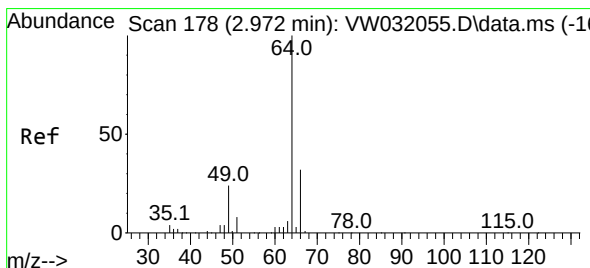
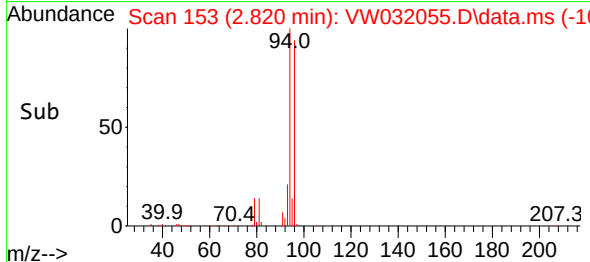
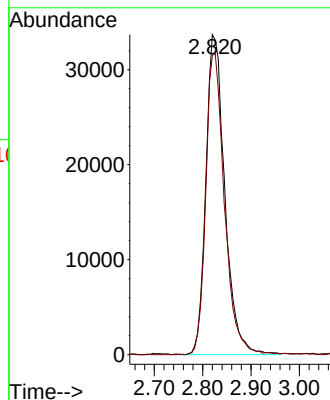
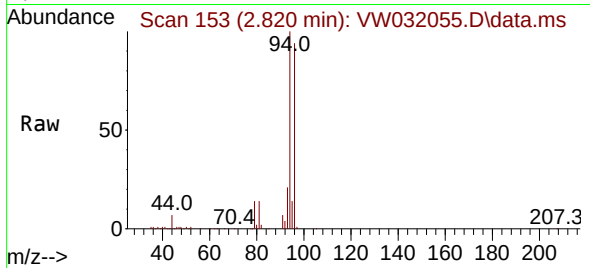




#5
Bromomethane
Concen: 46.991 ug/l
RT: 2.820 min Scan# 153
Delta R.T. 0.000 min
Lab File: VW032055.D
Acq: 11 Aug 2025 10:09

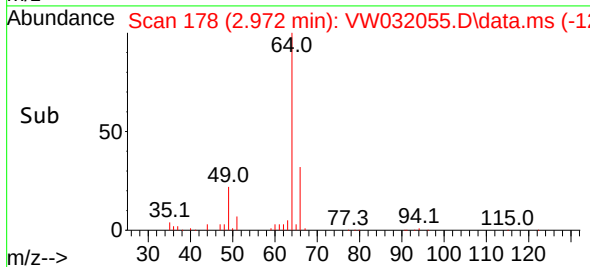
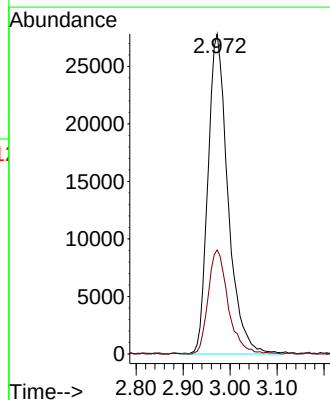
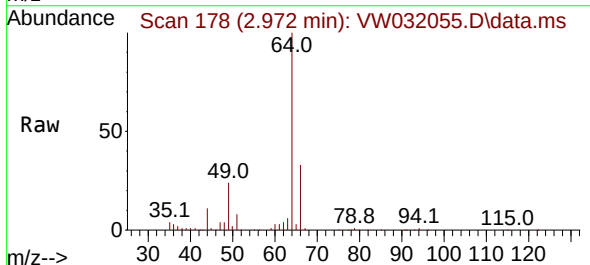
Instrument :
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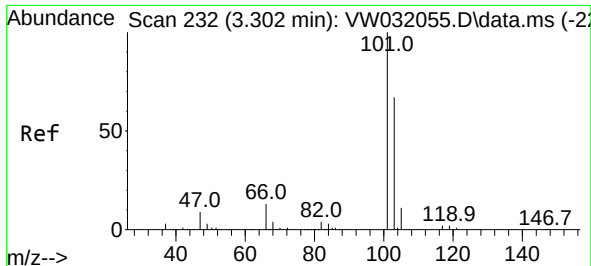
Tgt Ion: 94 Resp: 91749
Ion Ratio Lower Upper
94 100
96 93.4 74.7 112.1



#6
Chloroethane
Concen: 47.641 ug/l
RT: 2.972 min Scan# 178
Delta R.T. 0.000 min
Lab File: VW032055.D
Acq: 11 Aug 2025 10:09

Tgt Ion: 64 Resp: 82045
Ion Ratio Lower Upper
64 100
66 32.5 26.0 39.0

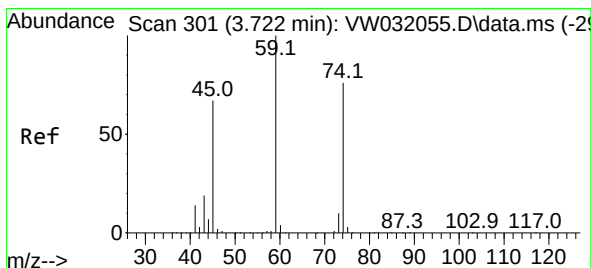
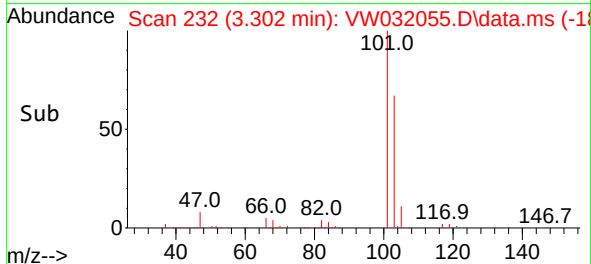
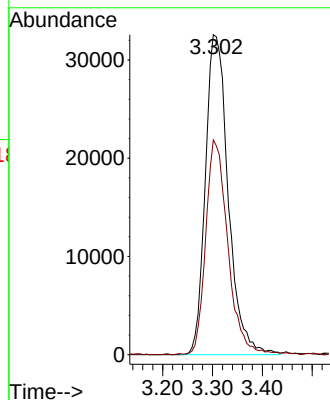
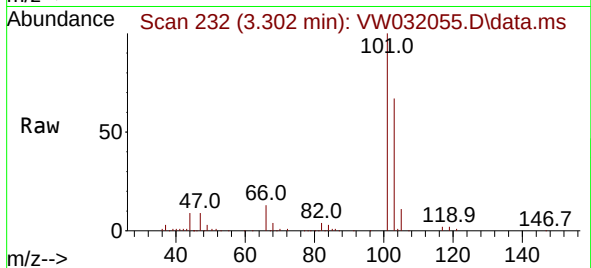




#7
 Trichlorofluoromethane
 Concen: 49.743 ug/l
 RT: 3.302 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VW032055.D
 Acq: 11 Aug 2025 10:09

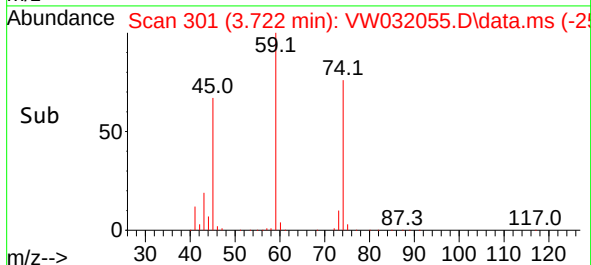
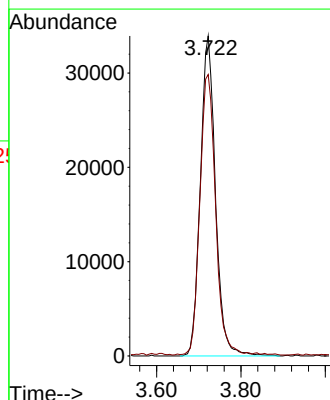
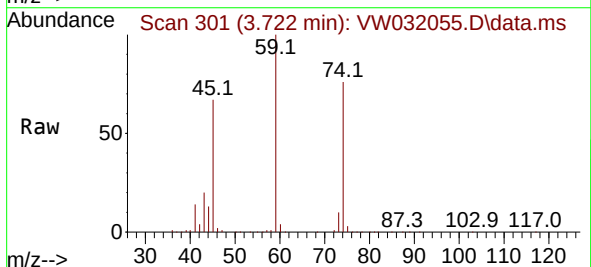
Instrument :
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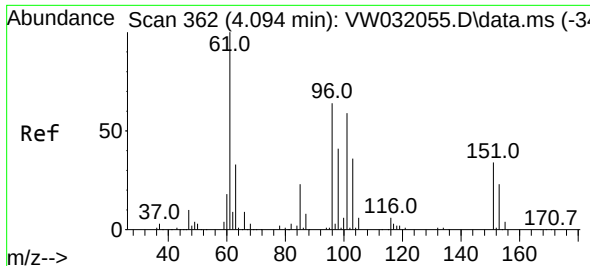
Tgt Ion:101 Resp: 103706
 Ion Ratio Lower Upper
 101 100
 103 66.7 53.4 80.0



#8
 Diethyl Ether
 Concen: 49.624 ug/l
 RT: 3.722 min Scan# 301
 Delta R.T. 0.000 min
 Lab File: VW032055.D
 Acq: 11 Aug 2025 10:09

Tgt Ion: 74 Resp: 84764
 Ion Ratio Lower Upper
 74 100
 45 90.8 45.4 136.2

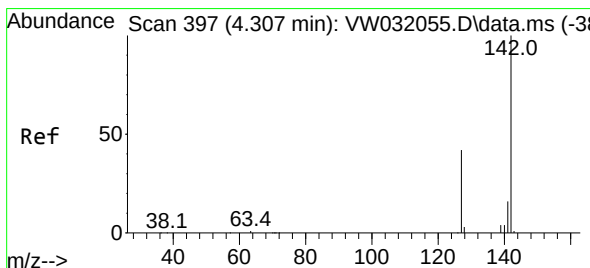
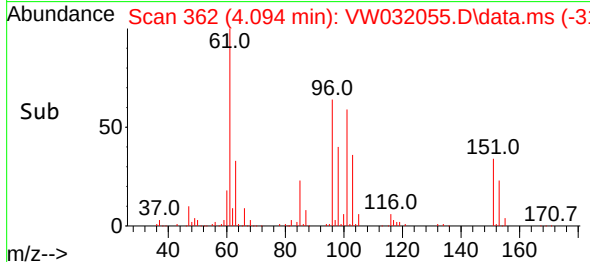
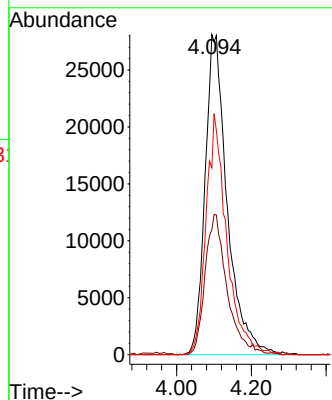
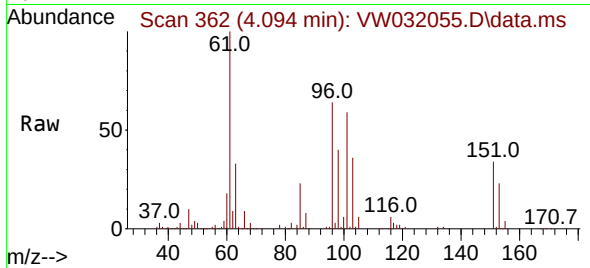




#9
1,1,2-Trichlorotrifluoroethane
Concen: 46.968 ug/l
RT: 4.094 min Scan# 362
Delta R.T. 0.000 min
Lab File: VW032055.D
Acq: 11 Aug 2025 10:09

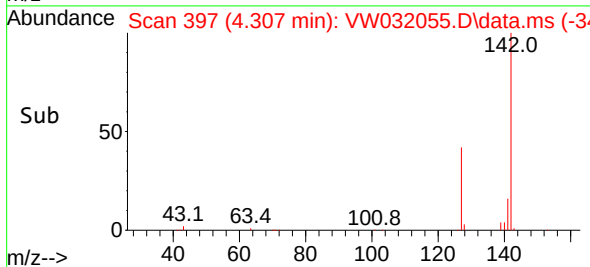
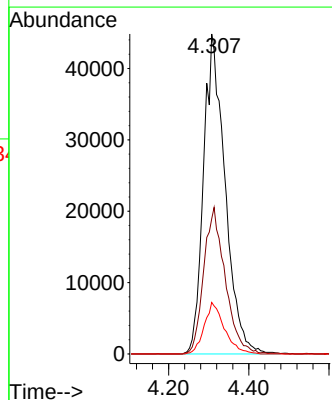
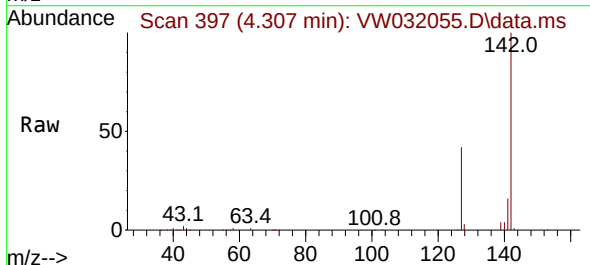
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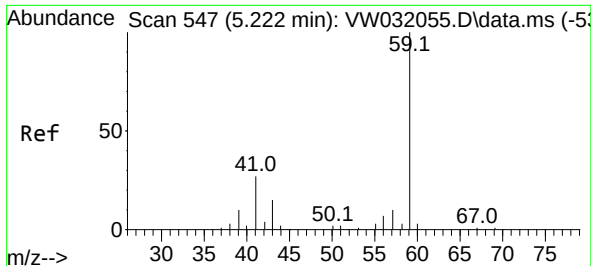
Tgt Ion:101 Resp: 115526
Ion Ratio Lower Upper
101 100
85 43.6 34.9 52.3
151 70.3 56.2 84.4



#10
Methyl Iodide
Concen: 47.909 ug/l
RT: 4.307 min Scan# 397
Delta R.T. 0.000 min
Lab File: VW032055.D
Acq: 11 Aug 2025 10:09

Tgt Ion:142 Resp: 167079
Ion Ratio Lower Upper
142 100
127 45.8 36.6 55.0
141 15.1 12.1 18.1

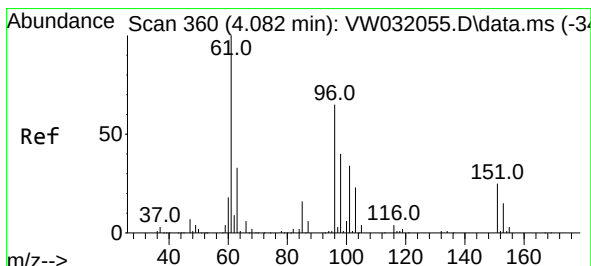
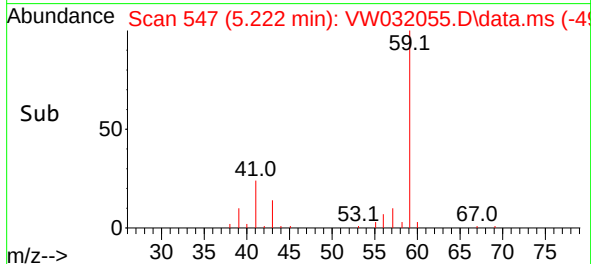
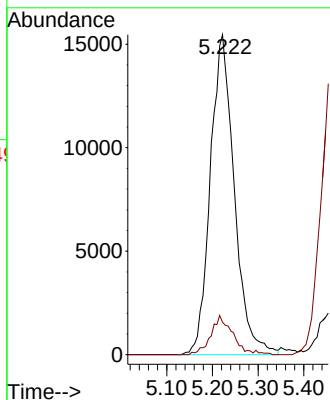
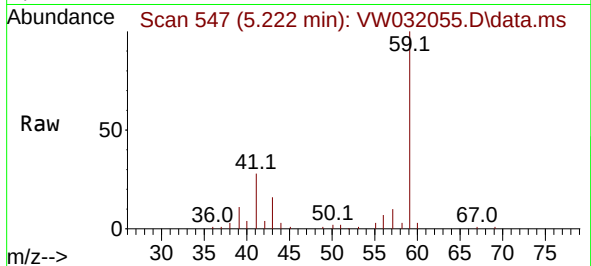




#11
Tert butyl alcohol
Concen: 269.294 ug/l
RT: 5.222 min Scan# 54
Delta R.T. 0.000 min
Lab File: VW032055.D
Acq: 11 Aug 2025 10:09

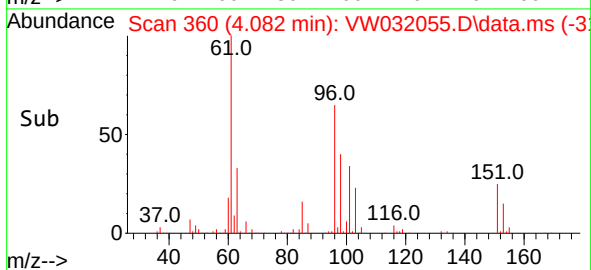
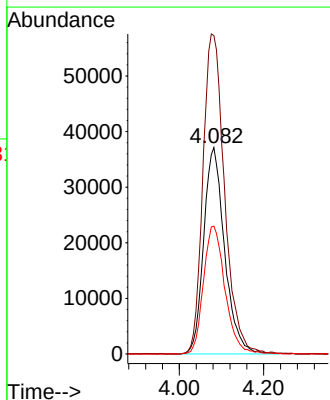
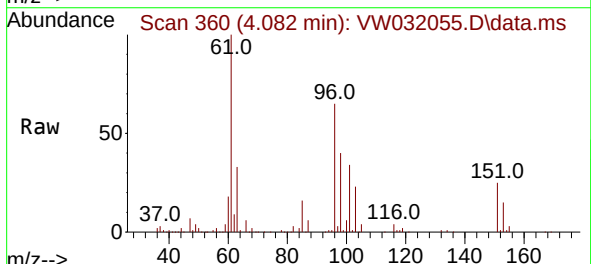
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VSTDICCC050

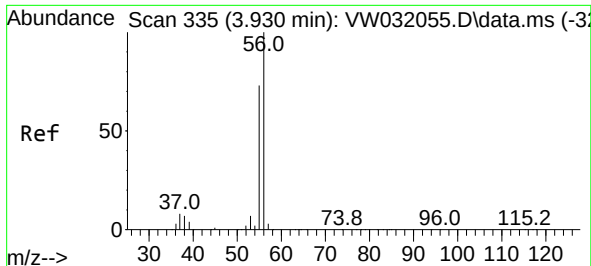
Tgt Ion: 59 Resp: 56322
Ion Ratio Lower Upper
59 100
57 10.9 8.7 13.1



#12
1,1-Dichloroethene
Concen: 47.373 ug/l
RT: 4.082 min Scan# 360
Delta R.T. 0.000 min
Lab File: VW032055.D
Acq: 11 Aug 2025 10:09

Tgt Ion: 96 Resp: 128304
Ion Ratio Lower Upper
96 100
61 154.3 123.4 185.2
98 61.9 49.5 74.3

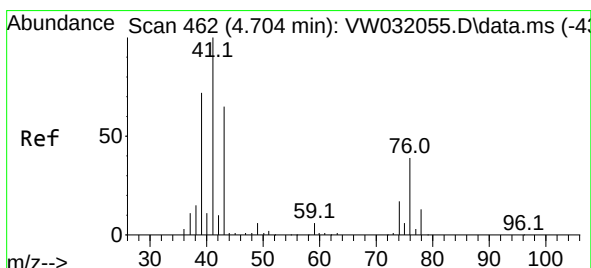
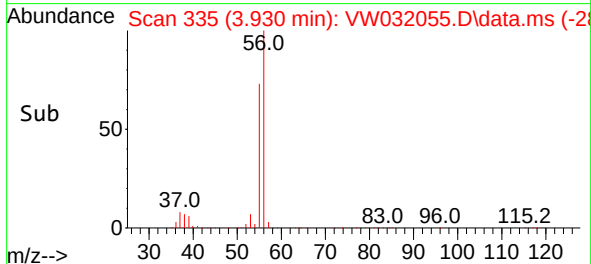
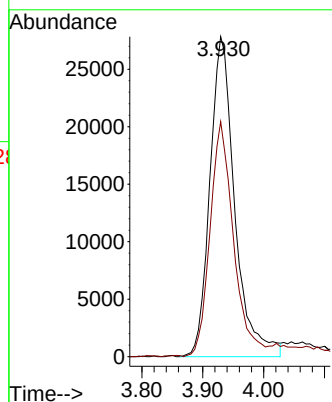
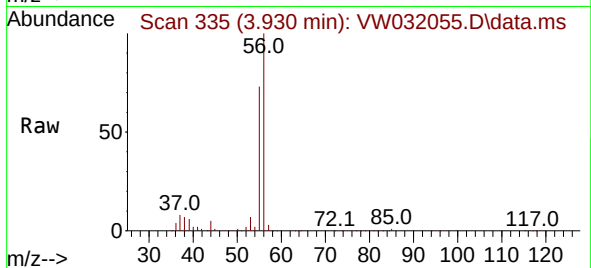




#13
Acrolein
Concen: 236.637 ug/l
RT: 3.930 min Scan# 311
Delta R.T. 0.000 min
Lab File: VW032055.D
Acq: 11 Aug 2025 10:09

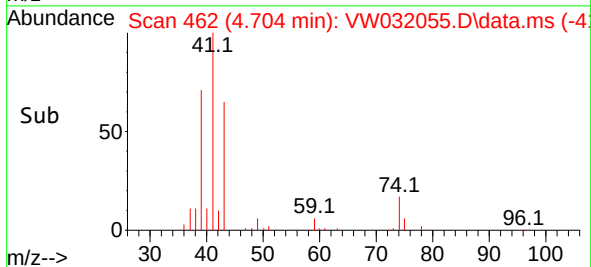
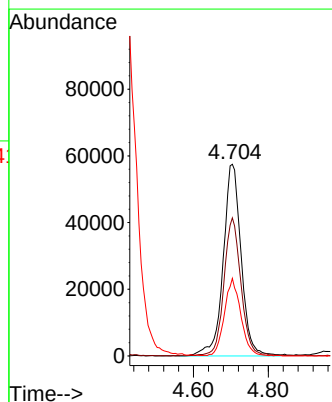
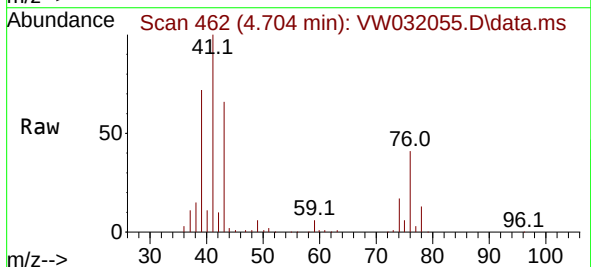
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ClientSampleId :
VSTDICCC050

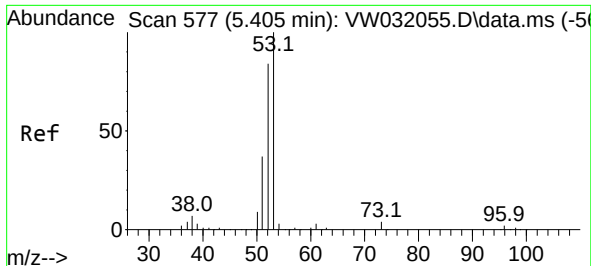
Tgt Ion: 56 Resp: 78858
Ion Ratio Lower Upper
56 100
55 69.3 55.4 83.2



#14
Allyl chloride
Concen: 48.819 ug/l
RT: 4.704 min Scan# 462
Delta R.T. 0.000 min
Lab File: VW032055.D
Acq: 11 Aug 2025 10:09

Tgt Ion: 41 Resp: 192434
Ion Ratio Lower Upper
41 100
39 68.1 54.5 81.7
76 36.6 29.3 43.9

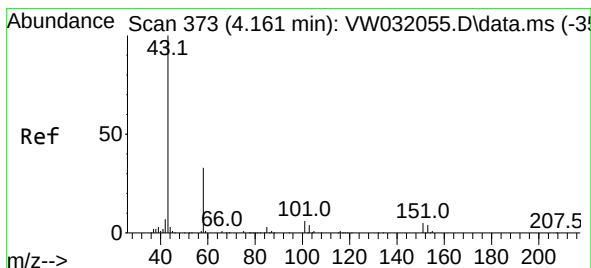
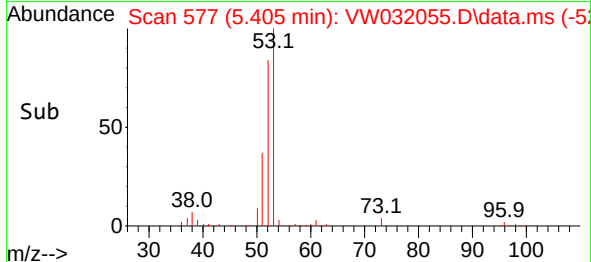
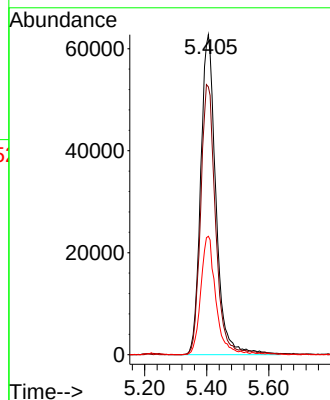
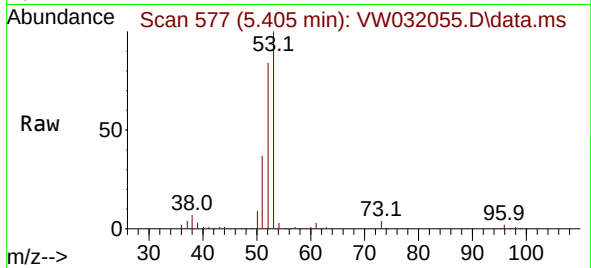




#15
Acrylonitrile
Concen: 262.963 ug/l
RT: 5.405 min Scan# 577
Delta R.T. 0.000 min
Lab File: VW032055.D
Acq: 11 Aug 2025 10:09

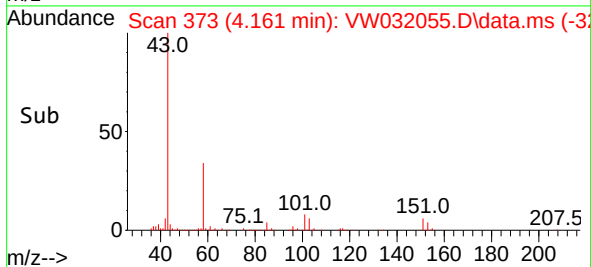
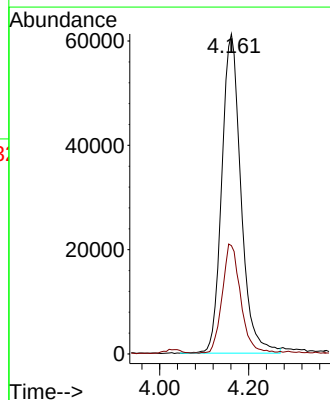
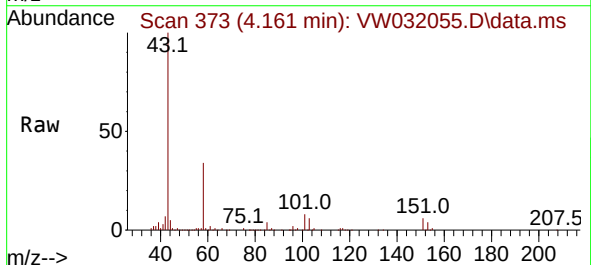
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

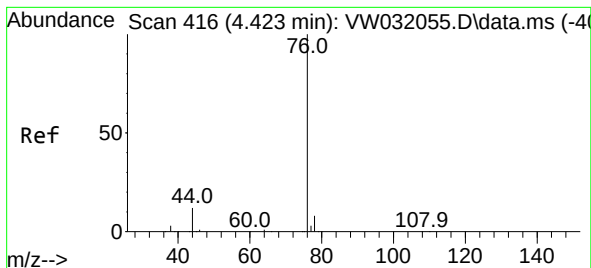
Tgt Ion:	53	Resp:	213941
Ion	Ratio	Lower	Upper
53	100		
52	82.6	66.1	99.1
51	36.5	29.2	43.8



#16
Acetone
Concen: 244.127 ug/l
RT: 4.161 min Scan# 373
Delta R.T. 0.000 min
Lab File: VW032055.D
Acq: 11 Aug 2025 10:09

Tgt Ion:	43	Resp:	182559
Ion	Ratio	Lower	Upper
43	100		
58	33.2	26.6	39.8





#17

Carbon Disulfide

Concen: 47.836 ug/l

RT: 4.423 min Scan# 416

Delta R.T. 0.000 min

Lab File: VW032055.D

Acq: 11 Aug 2025 10:09

Instrument :

MSVOA_W

ClientSampleId :

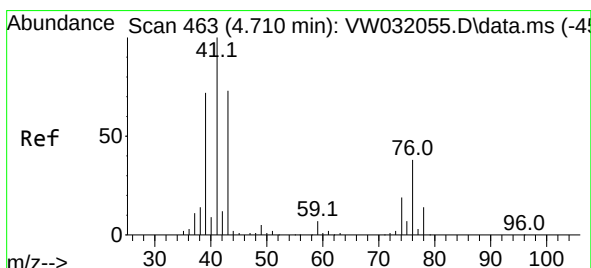
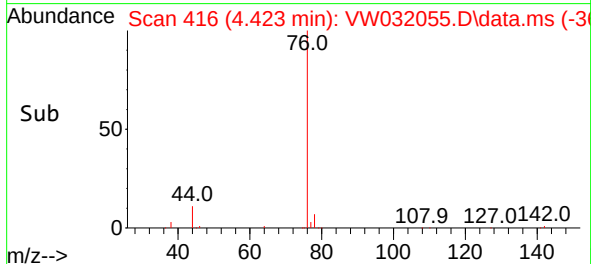
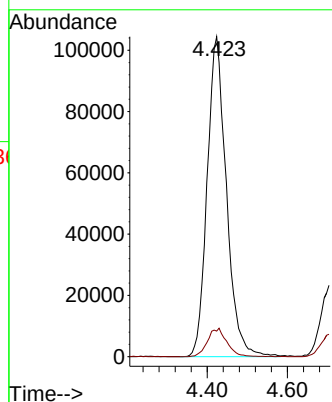
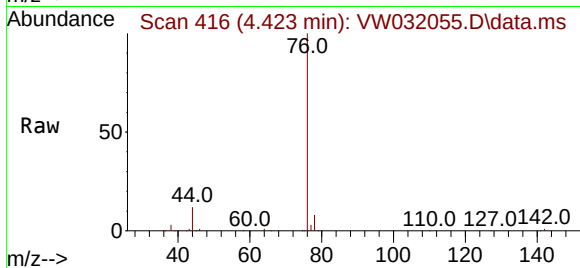
VSTDICCC050

Tgt Ion: 76 Resp: 347752

Ion Ratio Lower Upper

76 100

78 8.0 6.4 9.6



#18

Methyl Acetate

Concen: 52.361 ug/l

RT: 4.710 min Scan# 463

Delta R.T. 0.000 min

Lab File: VW032055.D

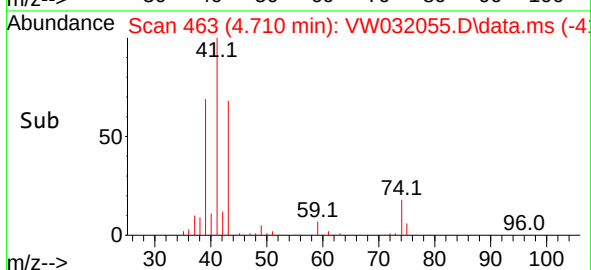
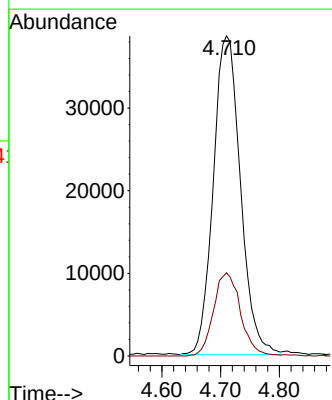
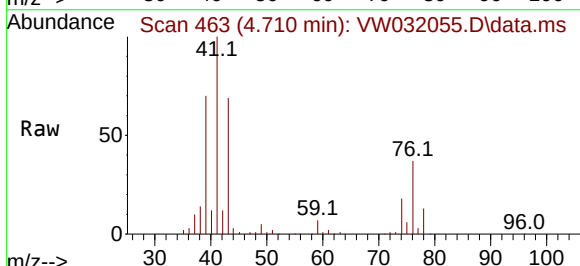
Acq: 11 Aug 2025 10:09

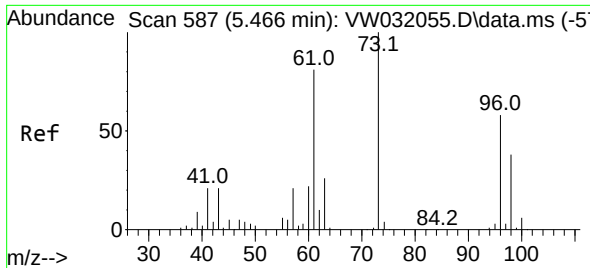
Tgt Ion: 43 Resp: 123902

Ion Ratio Lower Upper

43 100

74 25.8 20.6 31.0

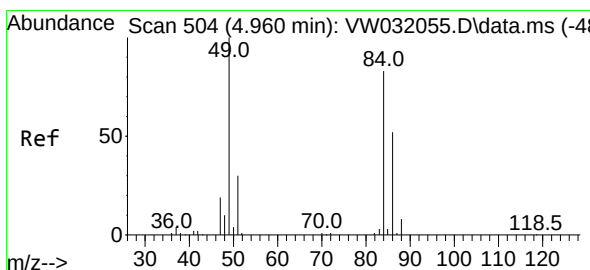
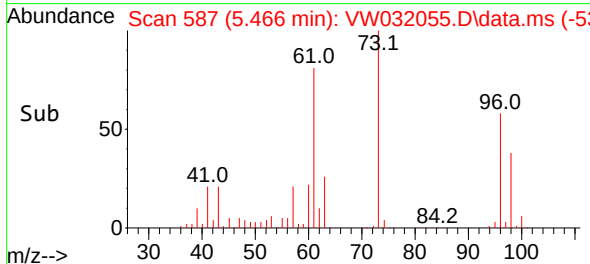
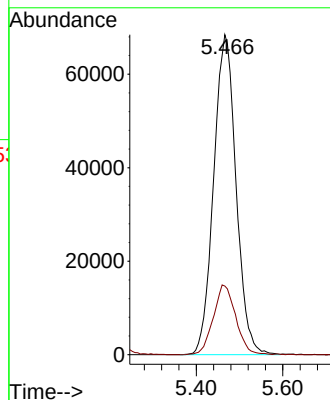
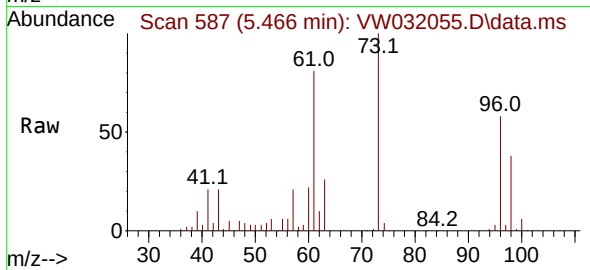




#19
Methyl tert-butyl Ether
Concen: 51.560 ug/l
RT: 5.466 min Scan# 519
Delta R.T. 0.000 min
Lab File: VW032055.D
Acq: 11 Aug 2025 10:09

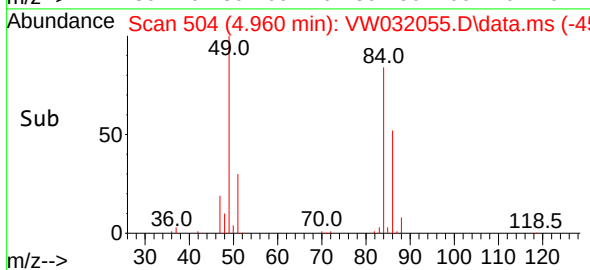
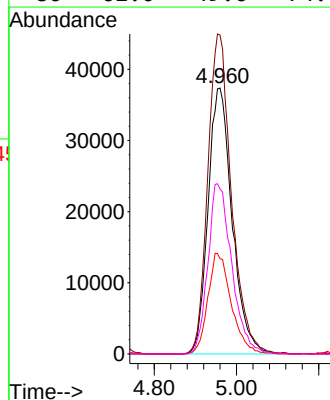
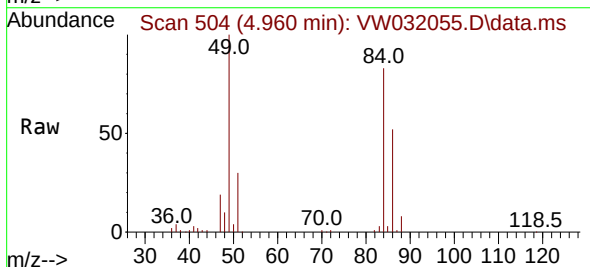
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

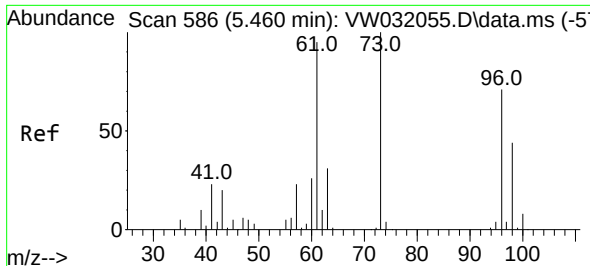
Tgt Ion: 73 Resp: 246045
Ion Ratio Lower Upper
73 100
57 21.5 17.2 25.8



#20
Methylene Chloride
Concen: 44.016 ug/l
RT: 4.960 min Scan# 504
Delta R.T. 0.000 min
Lab File: VW032055.D
Acq: 11 Aug 2025 10:09

Tgt Ion: 84 Resp: 152186
Ion Ratio Lower Upper
84 100
49 119.9 95.9 143.9
51 35.8 28.6 43.0
86 62.0 49.6 74.4

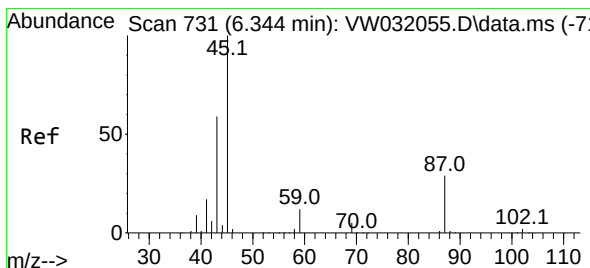
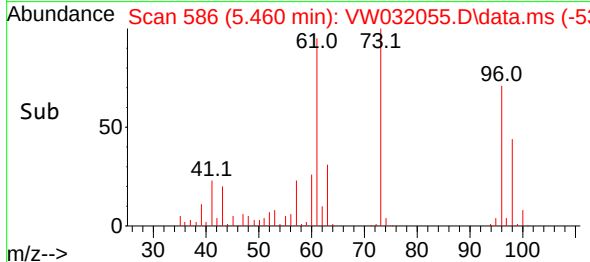
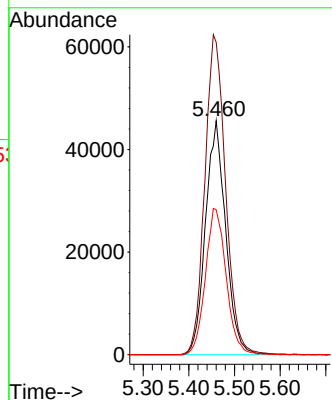
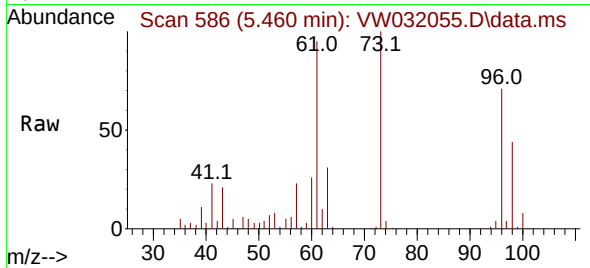




#21
trans-1,2-Dichloroethene
Concen: 48.707 ug/l
RT: 5.460 min Scan# 586
Delta R.T. 0.000 min
Lab File: VW032055.D
Acq: 11 Aug 2025 10:09

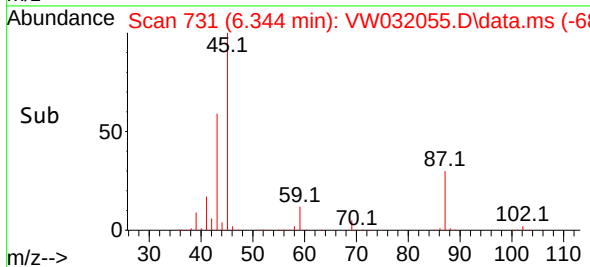
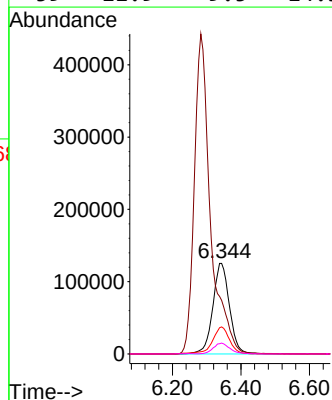
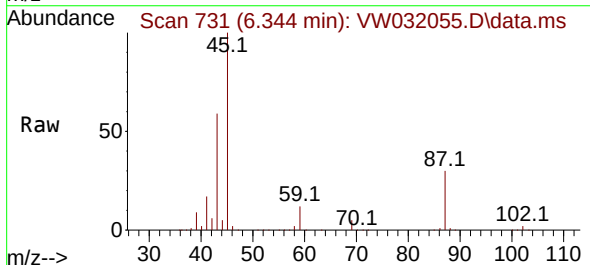
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

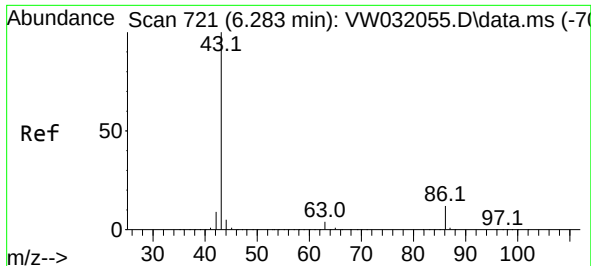
Tgt Ion: 96 Resp: 139994
Ion Ratio Lower Upper
96 100
61 133.5 106.8 160.2
98 62.0 49.6 74.4



#22
Diisopropyl ether
Concen: 50.751 ug/l
RT: 6.344 min Scan# 731
Delta R.T. 0.000 min
Lab File: VW032055.D
Acq: 11 Aug 2025 10:09

Tgt Ion: 45 Resp: 421731
Ion Ratio Lower Upper
45 100
43 58.7 47.0 70.4
87 29.8 23.8 35.8
59 11.9 9.5 14.3

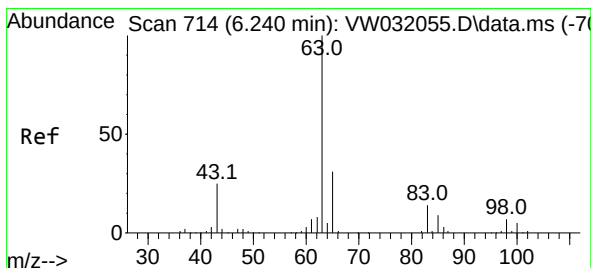
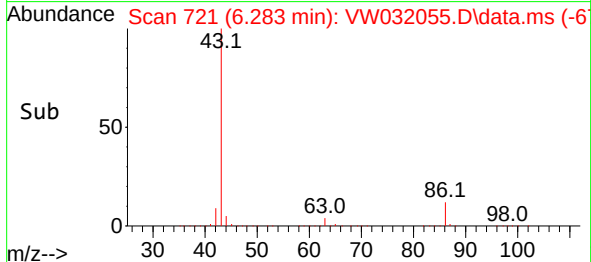
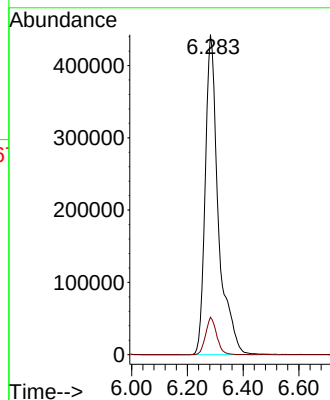
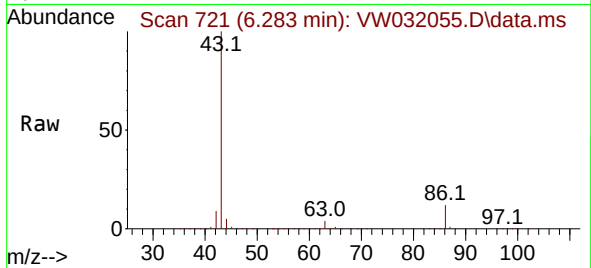




#23
 Vinyl Acetate
 Concen: 265.873 ug/l
 RT: 6.283 min Scan# 714
 Delta R.T. 0.000 min
 Lab File: VW032055.D
 Acq: 11 Aug 2025 10:09

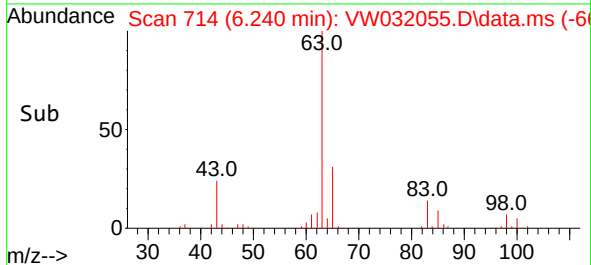
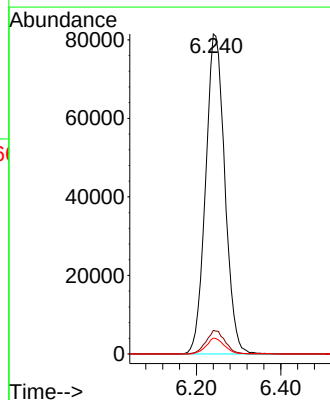
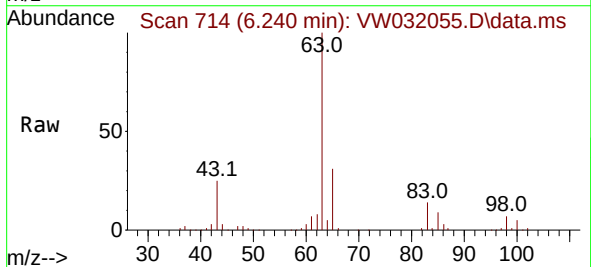
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

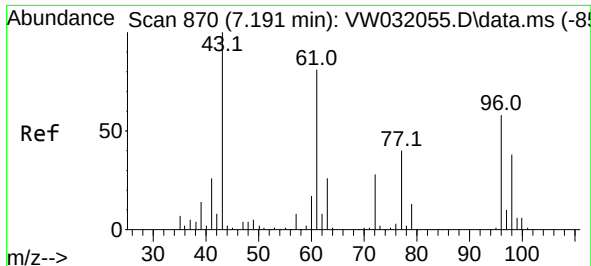
Tgt Ion: 43 Resp: 1450553
 Ion Ratio Lower Upper
 43 100
 86 11.7 9.4 14.0



#24
 1,1-Dichloroethane
 Concen: 48.646 ug/l
 RT: 6.240 min Scan# 714
 Delta R.T. 0.000 min
 Lab File: VW032055.D
 Acq: 11 Aug 2025 10:09

Tgt Ion: 63 Resp: 258279
 Ion Ratio Lower Upper
 63 100
 98 7.4 3.7 11.1
 100 4.9 2.5 7.4

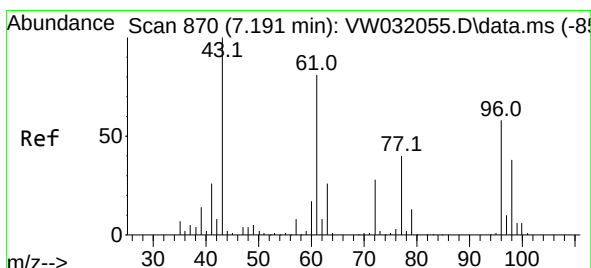
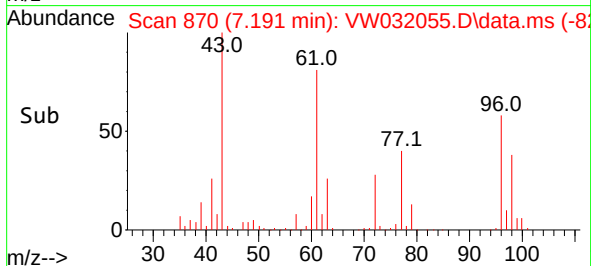
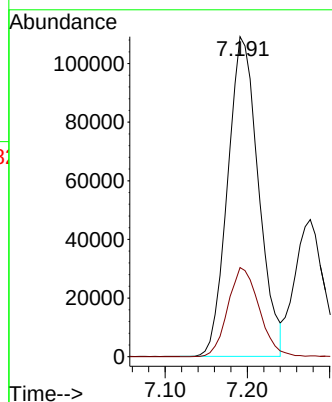
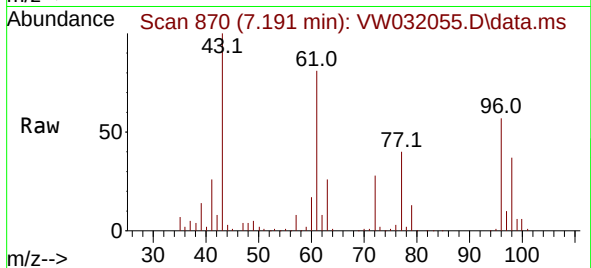




#25
2-Butanone
Concen: 267.883 ug/l
RT: 7.191 min Scan# 870
Delta R.T. 0.000 min
Lab File: VW032055.D
Acq: 11 Aug 2025 10:09

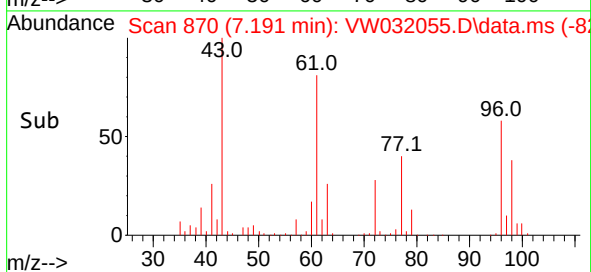
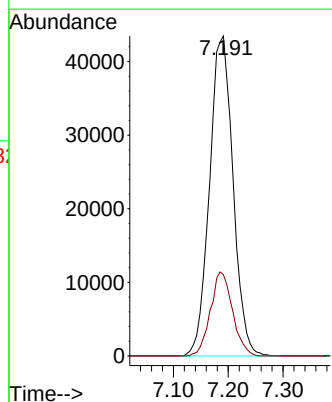
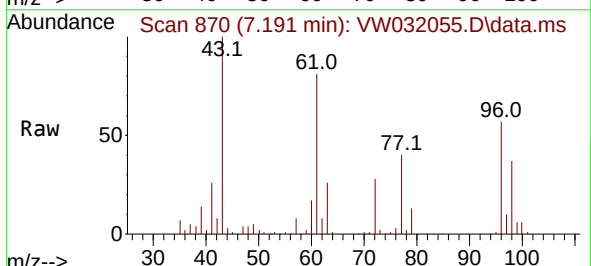
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

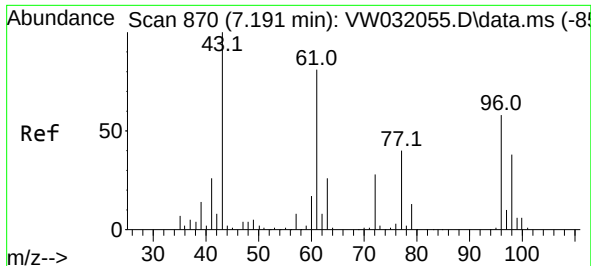
Tgt Ion: 43 Resp: 284711
Ion Ratio Lower Upper
43 100
72 27.9 22.3 33.5



#26
2,2-Dichloropropane
Concen: 48.578 ug/l
RT: 7.191 min Scan# 870
Delta R.T. 0.000 min
Lab File: VW032055.D
Acq: 11 Aug 2025 10:09

Tgt Ion: 77 Resp: 129390
Ion Ratio Lower Upper
77 100
97 24.6 12.3 36.9





#27

cis-1,2-Dichloroethene

Concen: 49.779 ug/l

RT: 7.191 min Scan# 870

Delta R.T. 0.000 min

Lab File: VW032055.D

Acq: 11 Aug 2025 10:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

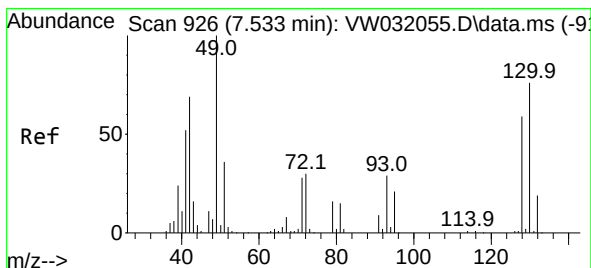
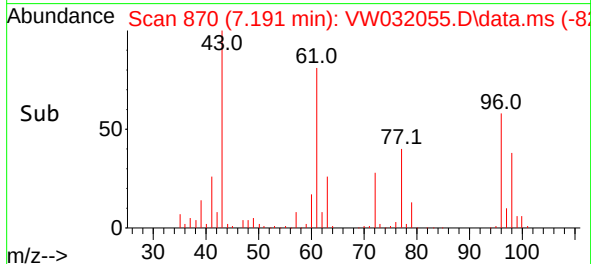
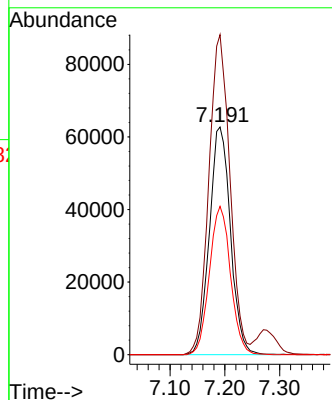
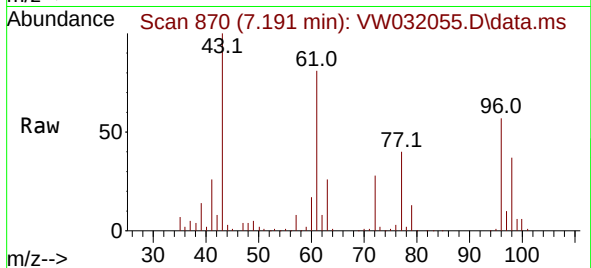
Tgt Ion: 96 Resp: 167240

Ion Ratio Lower Upper

96 100

61 140.6 0.0 281.2

98 65.4 0.0 130.8



#28

Bromochloromethane

Concen: 50.191 ug/l

RT: 7.533 min Scan# 926

Delta R.T. 0.000 min

Lab File: VW032055.D

Acq: 11 Aug 2025 10:09

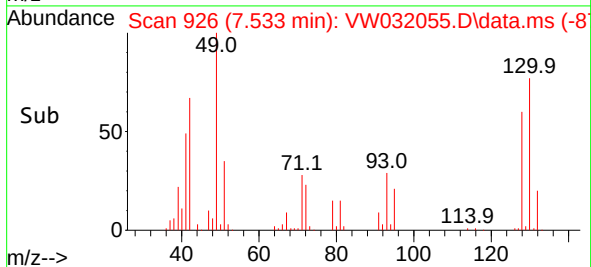
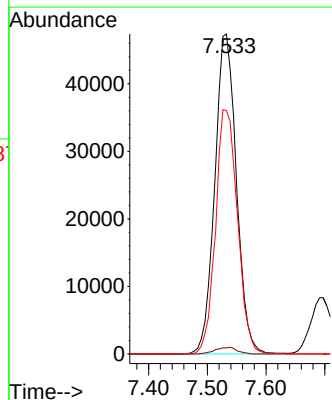
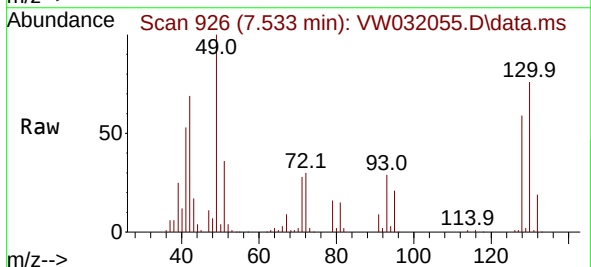
Tgt Ion: 49 Resp: 121266

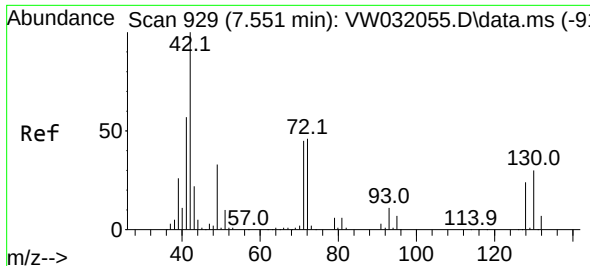
Ion Ratio Lower Upper

49 100

129 2.1 0.0 4.2

130 77.4 61.9 92.9





#29

Tetrahydrofuran

Concen: 272.100 ug/l

RT: 7.551 min Scan# 91

Delta R.T. 0.000 min

Lab File: VW032055.D

Acq: 11 Aug 2025 10:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

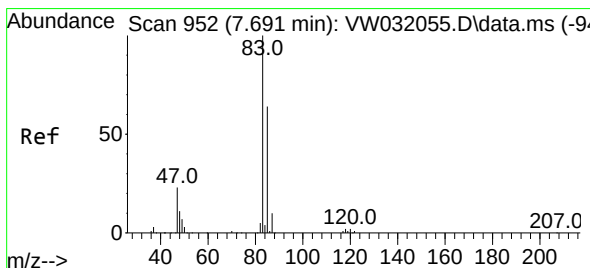
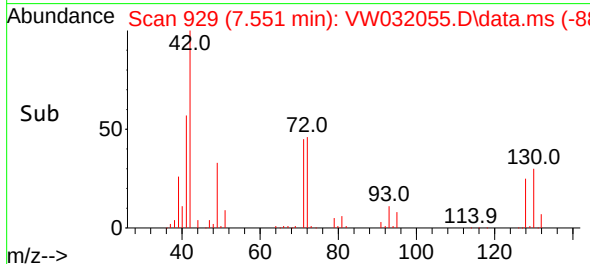
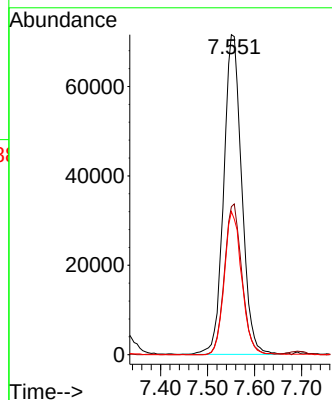
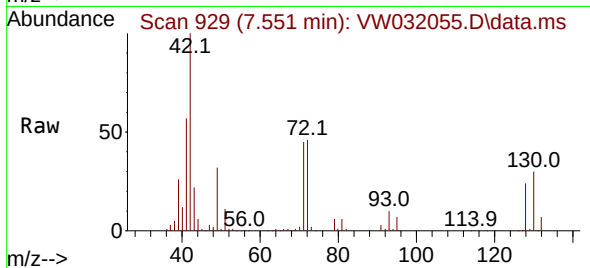
Tgt Ion: 42 Resp: 190719

Ion Ratio Lower Upper

42 100

72 45.8 36.6 55.0

71 43.4 34.7 52.1



#30

Chloroform

Concen: 49.018 ug/l

RT: 7.691 min Scan# 952

Delta R.T. 0.000 min

Lab File: VW032055.D

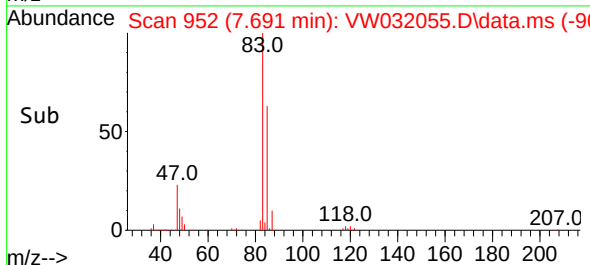
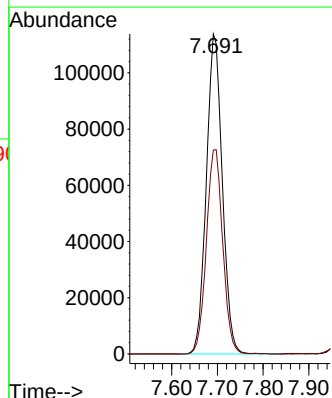
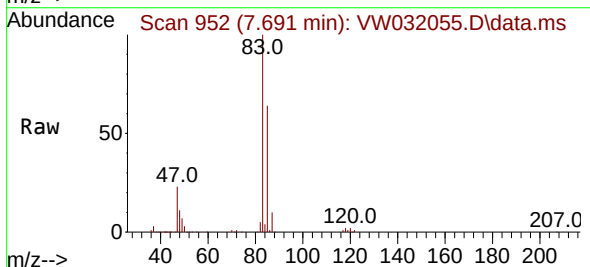
Acq: 11 Aug 2025 10:09

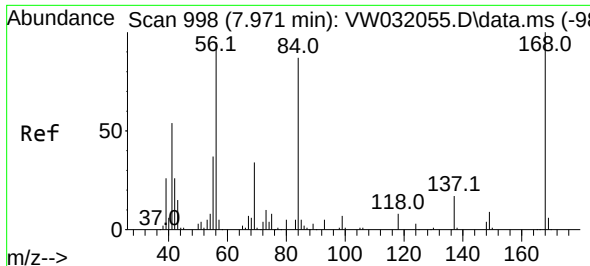
Tgt Ion: 83 Resp: 275905

Ion Ratio Lower Upper

83 100

85 63.7 51.0 76.4

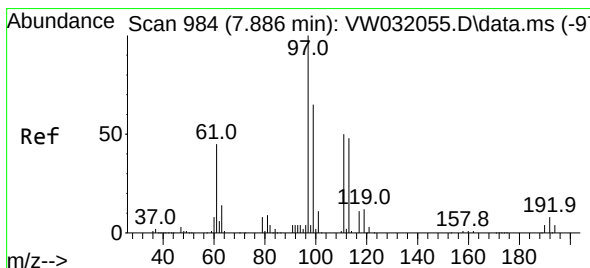
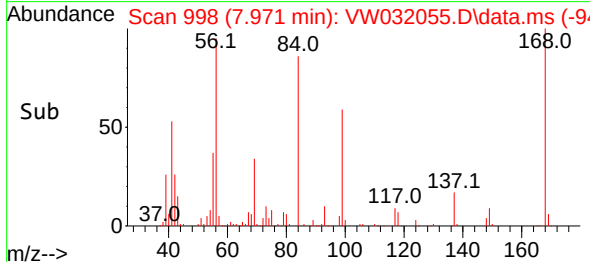
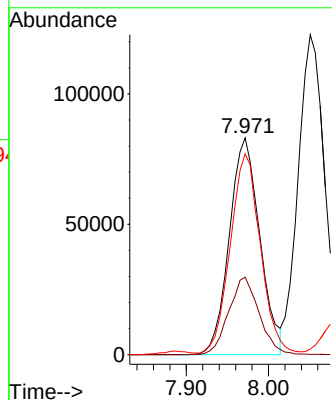
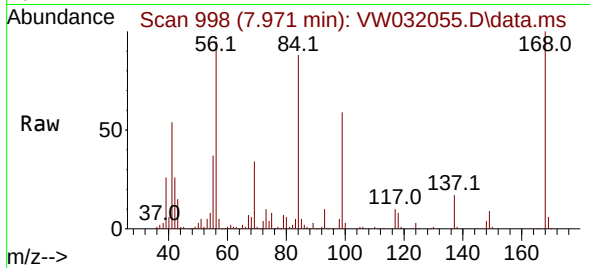




#31
Cyclohexane
Concen: 46.622 ug/l
RT: 7.971 min Scan# 998
Delta R.T. 0.000 min
Lab File: VW032055.D
Acq: 11 Aug 2025 10:09

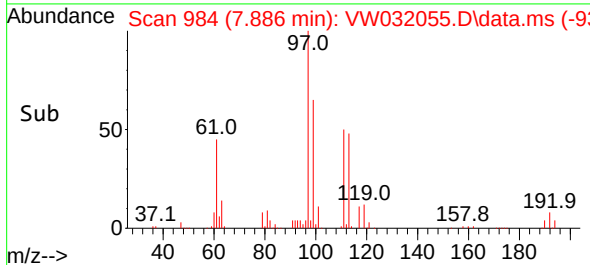
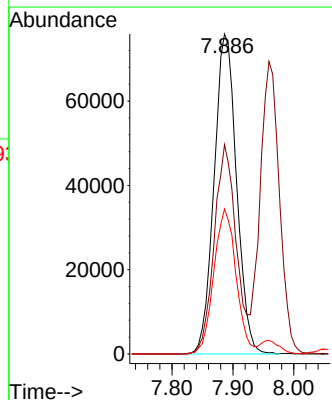
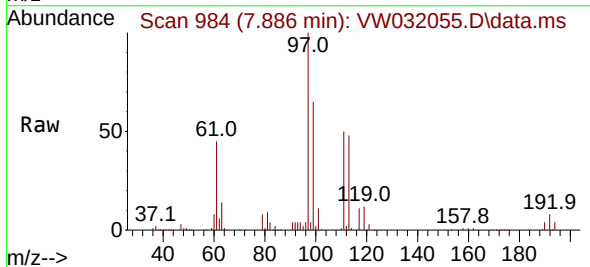
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

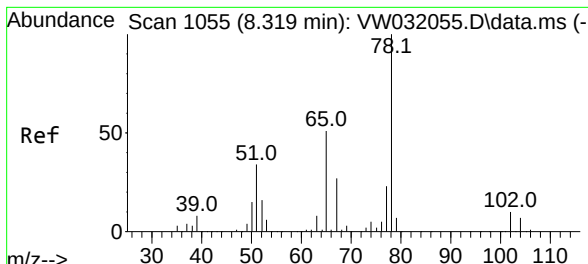
Tgt Ion: 56 Resp: 214597
Ion Ratio Lower Upper
56 100
69 35.7 28.6 42.8
84 91.2 73.0 109.4



#32
1,1,1-Trichloroethane
Concen: 47.617 ug/l
RT: 7.886 min Scan# 984
Delta R.T. 0.000 min
Lab File: VW032055.D
Acq: 11 Aug 2025 10:09

Tgt Ion: 97 Resp: 194676
Ion Ratio Lower Upper
97 100
99 64.8 51.8 77.8
61 44.9 35.9 53.9

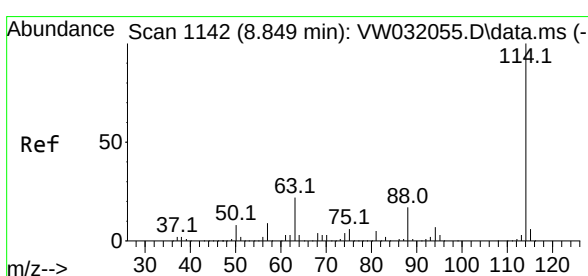
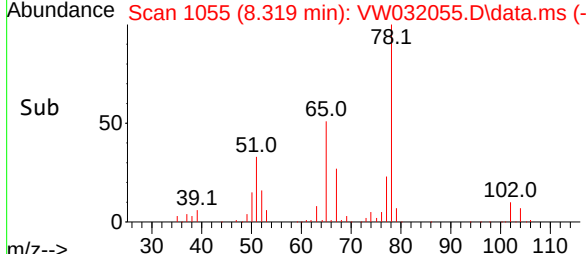
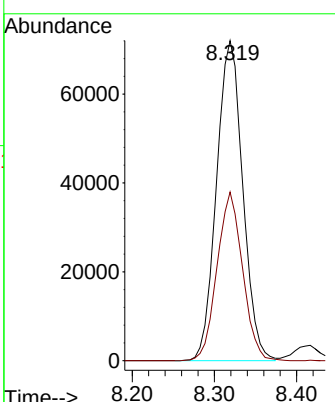
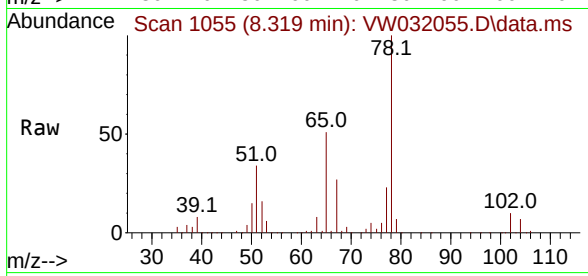




#33
 1,2-Dichloroethane-d4
 Concen: 49.529 ug/l
 RT: 8.319 min Scan# 1055
 Delta R.T. 0.000 min
 Lab File: VW032055.D
 Acq: 11 Aug 2025 10:09

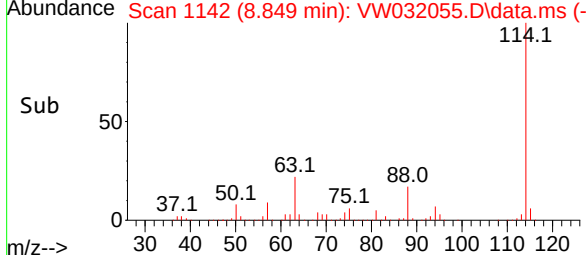
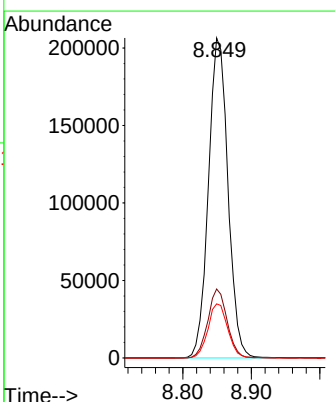
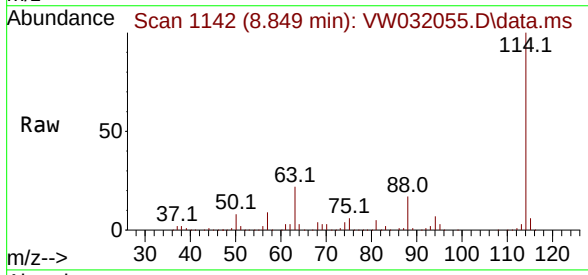
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

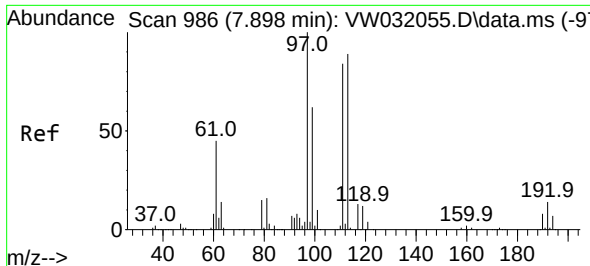
Tgt Ion:	65	Resp:	159972
Ion Ratio	Lower	Upper	
65	100		
67	51.2	0.0	102.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.849 min Scan# 1142
 Delta R.T. 0.000 min
 Lab File: VW032055.D
 Acq: 11 Aug 2025 10:09

Tgt Ion:	114	Resp:	406973
Ion Ratio	Lower	Upper	
114	100		
63	21.5	0.0	43.0
88	16.9	0.0	33.8

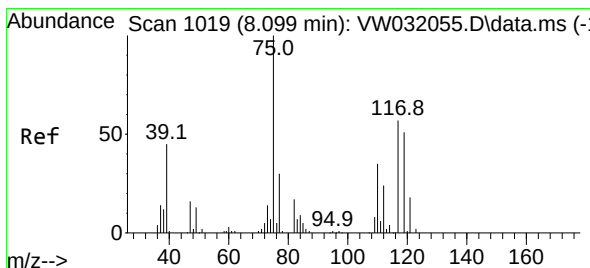
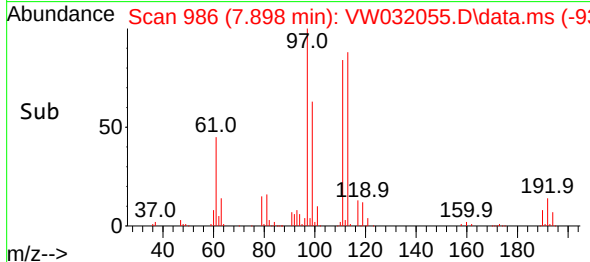
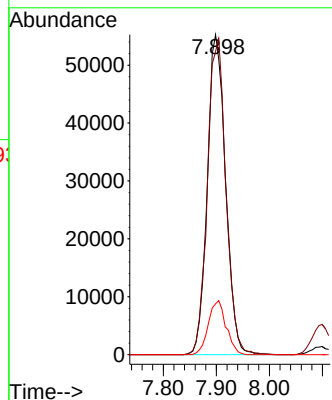
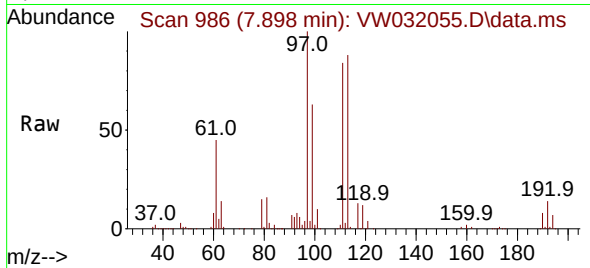




#35
Dibromofluoromethane
Concen: 50.279 ug/l
RT: 7.898 min Scan# 986
Delta R.T. 0.000 min
Lab File: VW032055.D
Acq: 11 Aug 2025 10:09

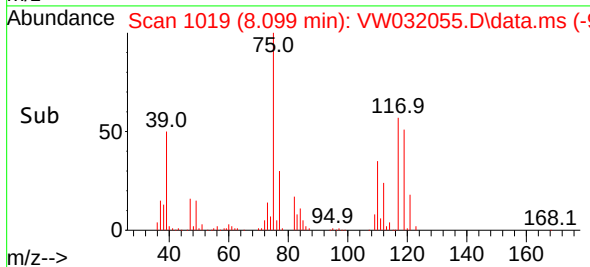
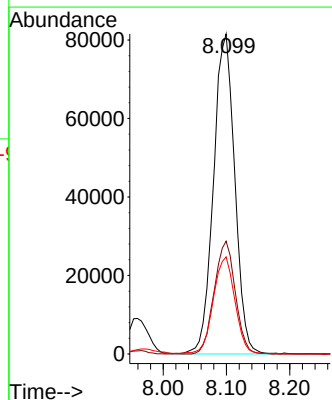
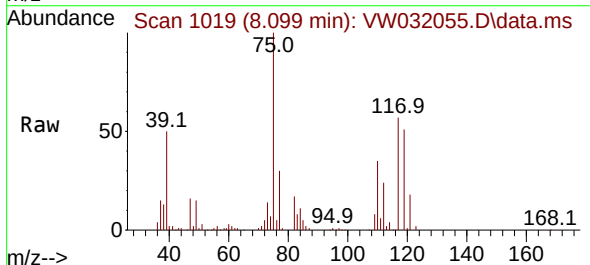
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

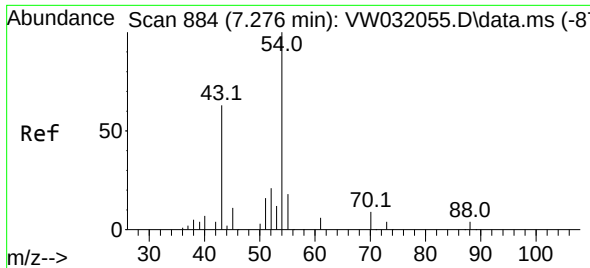
Tgt Ion:113 Resp: 132195
Ion Ratio Lower Upper
113 100
111 100.1 80.1 120.1
192 16.4 13.1 19.7



#36
1,1-Dichloropropene
Concen: 51.274 ug/l
RT: 8.099 min Scan# 1019
Delta R.T. 0.000 min
Lab File: VW032055.D
Acq: 11 Aug 2025 10:09

Tgt Ion: 75 Resp: 190046
Ion Ratio Lower Upper
75 100
110 34.8 17.4 52.2
77 30.9 24.7 37.1

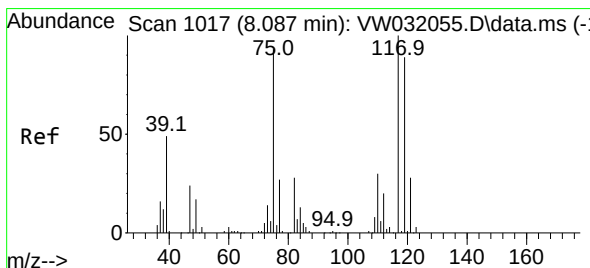
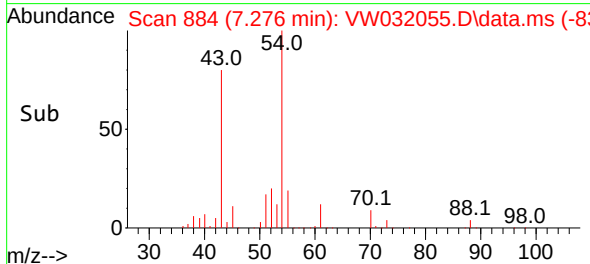
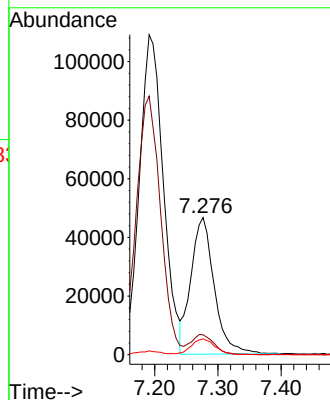
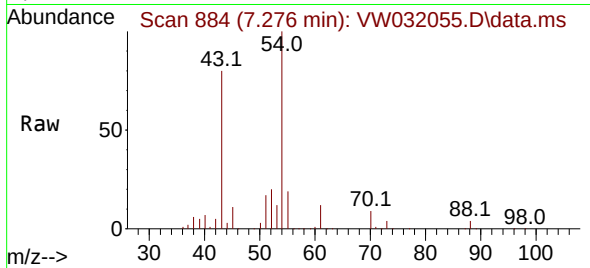




#37
Ethyl Acetate
Concen: 54.829 ug/l
RT: 7.276 min Scan# 884
Delta R.T. 0.000 min
Lab File: VW032055.D
Acq: 11 Aug 2025 10:09

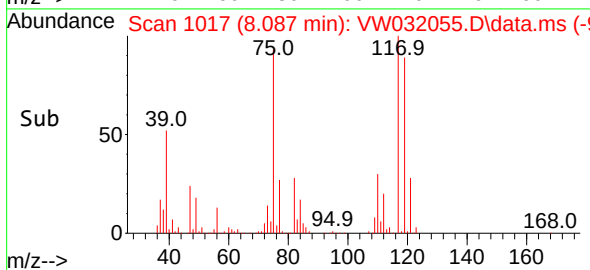
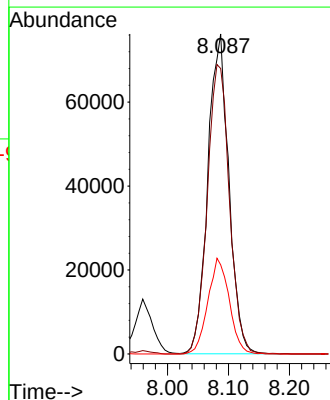
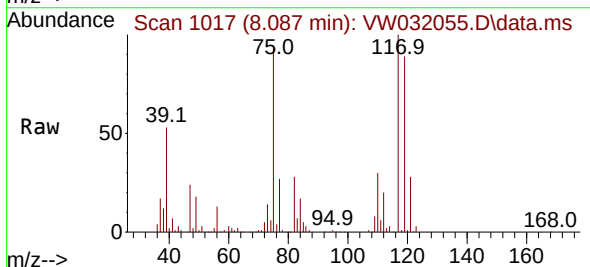
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

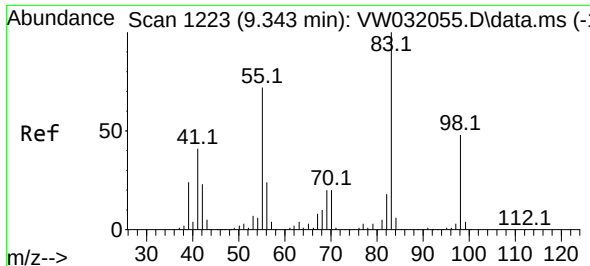
Tgt Ion:	43	Resp:	119689
Ion	Ratio	Lower	Upper
43	100		
61	14.7	11.8	17.6
70	11.7	9.4	14.0



#38
Carbon Tetrachloride
Concen: 51.000 ug/l
RT: 8.087 min Scan# 1017
Delta R.T. 0.000 min
Lab File: VW032055.D
Acq: 11 Aug 2025 10:09

Tgt Ion:	117	Resp:	182422
Ion	Ratio	Lower	Upper
117	100		
119	89.3	71.4	107.2
121	27.9	22.3	33.5

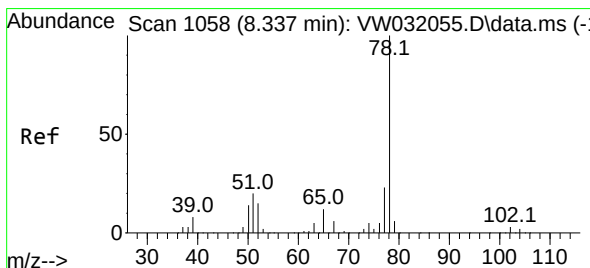
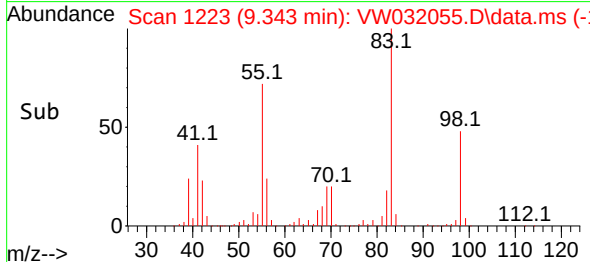
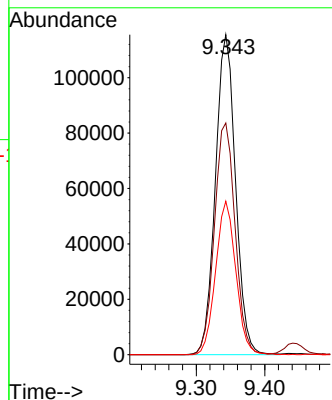
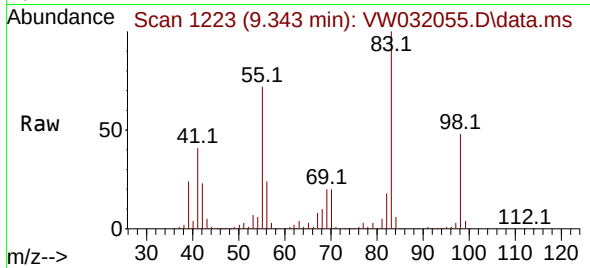




#39
Methylcyclohexane
Concen: 52.093 ug/l
RT: 9.343 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW032055.D
Acq: 11 Aug 2025 10:09

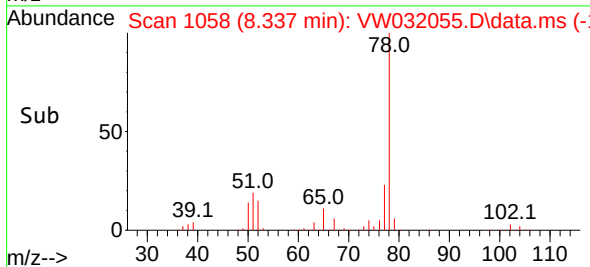
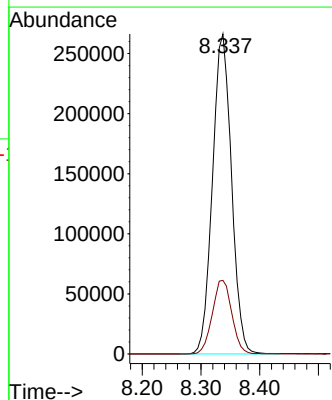
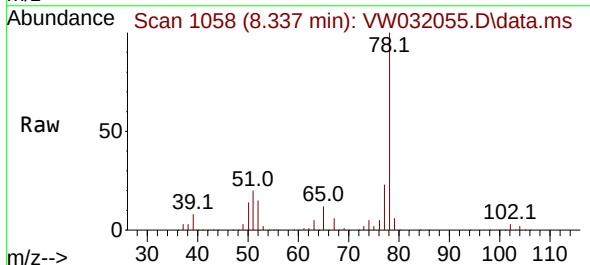
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

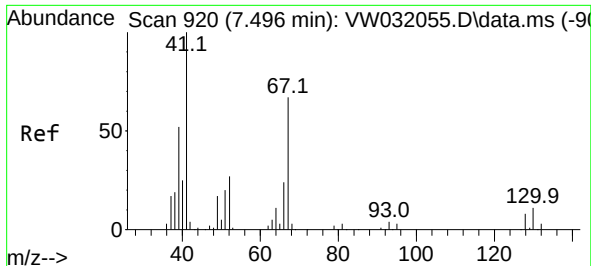
Tgt Ion: 83 Resp: 235341
Ion Ratio Lower Upper
83 100
55 72.4 57.9 86.9
98 47.9 38.3 57.5



#40
Benzene
Concen: 51.883 ug/l
RT: 8.337 min Scan# 1058
Delta R.T. 0.000 min
Lab File: VW032055.D
Acq: 11 Aug 2025 10:09

Tgt Ion: 78 Resp: 597760
Ion Ratio Lower Upper
78 100
77 23.0 18.4 27.6

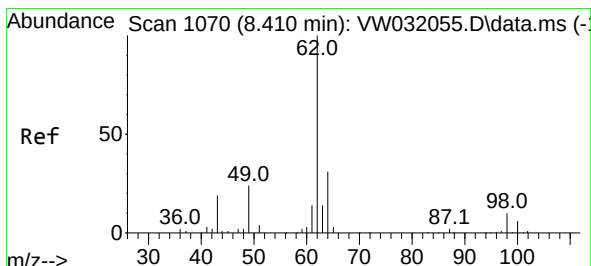
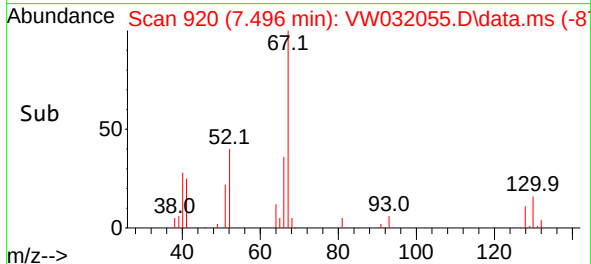
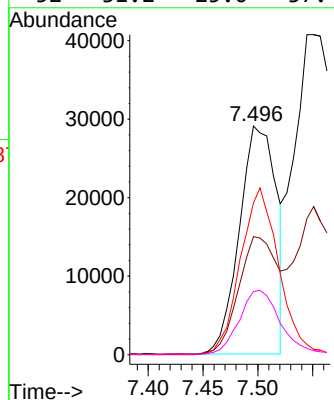
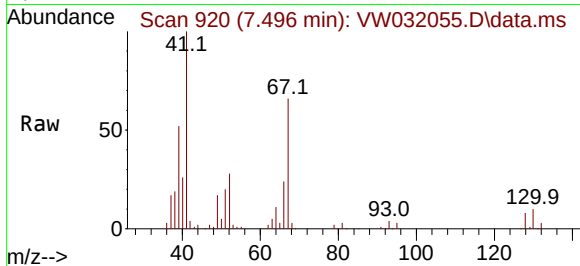




#41
Methacrylonitrile
Concen: 55.039 ug/l
RT: 7.496 min Scan# 91
Delta R.T. 0.000 min
Lab File: VW032055.D
Acq: 11 Aug 2025 10:09

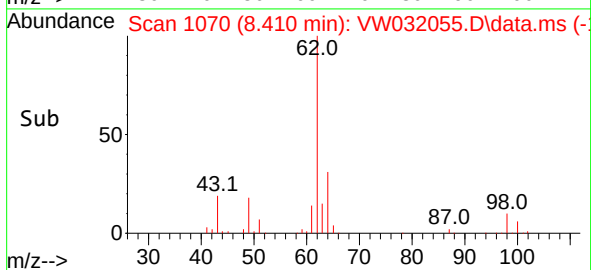
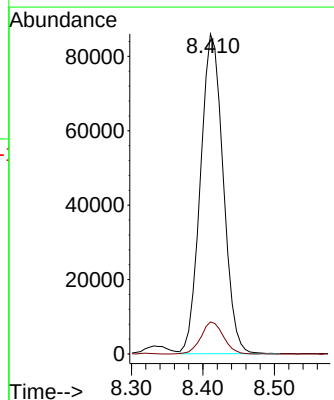
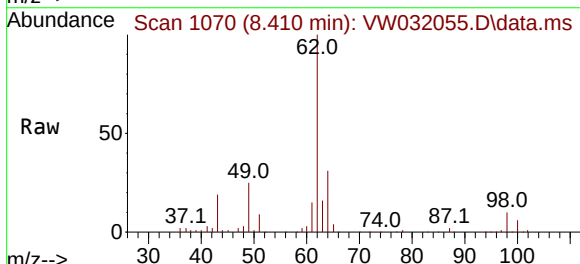
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

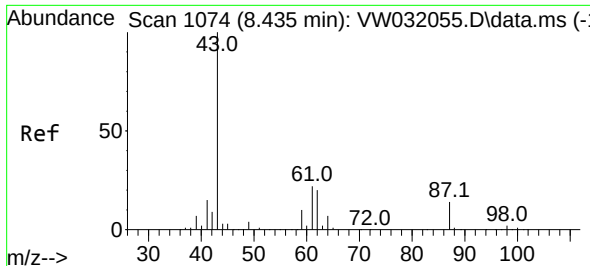
Tgt Ion:	41	Resp:	68136
Ion	Ratio	Lower	Upper
41	100		
39	53.2	42.6	63.8
67	76.2	61.0	91.4
52	31.2	25.0	37.4



#42
1,2-Dichloroethane
Concen: 51.471 ug/l
RT: 8.410 min Scan# 1070
Delta R.T. 0.000 min
Lab File: VW032055.D
Acq: 11 Aug 2025 10:09

Tgt Ion:	62	Resp:	189755
Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	19.8

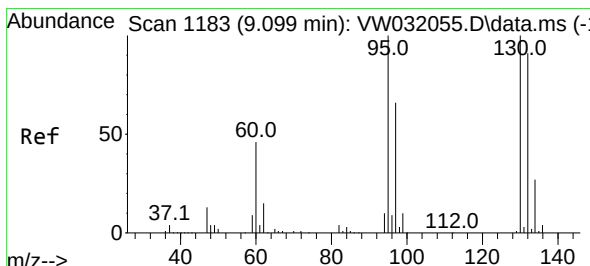
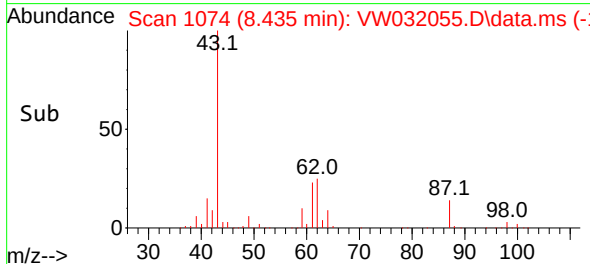
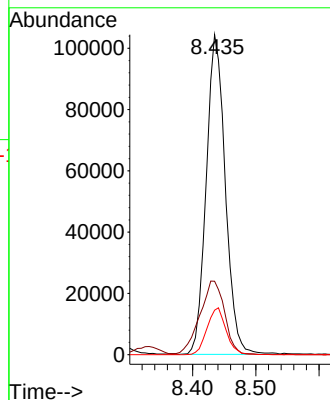
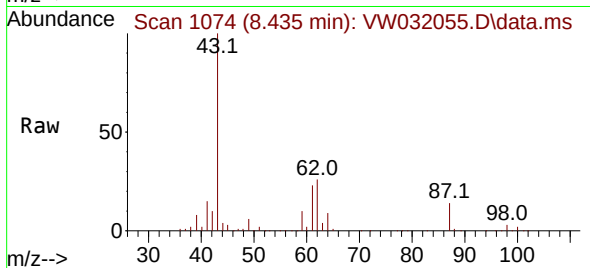




#43
Isopropyl Acetate
Concen: 54.544 ug/l
RT: 8.435 min Scan# 1074
Delta R.T. 0.000 min
Lab File: VW032055.D
Acq: 11 Aug 2025 10:09

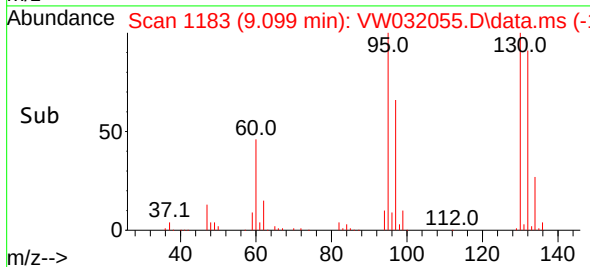
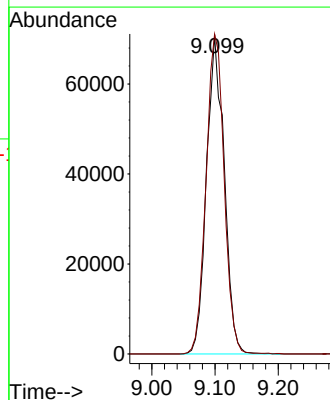
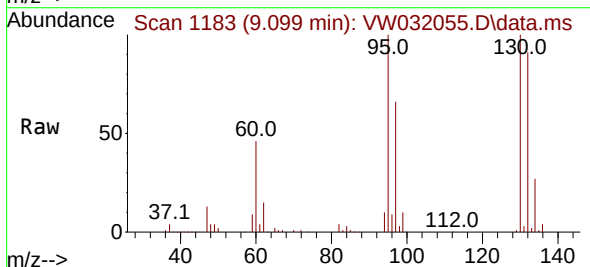
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

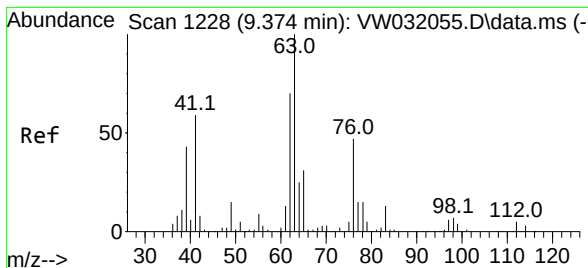
Tgt Ion: 43 Resp: 219064
Ion Ratio Lower Upper
43 100
61 29.8 23.8 35.8
87 14.6 11.7 17.5



#44
Trichloroethene
Concen: 50.264 ug/l
RT: 9.099 min Scan# 1183
Delta R.T. 0.000 min
Lab File: VW032055.D
Acq: 11 Aug 2025 10:09

Tgt Ion:130 Resp: 137910
Ion Ratio Lower Upper
130 100
95 100.3 0.0 200.6





#45

1,2-Dichloropropane

Concen: 51.537 ug/l

RT: 9.374 min Scan# 1228

Delta R.T. 0.000 min

Lab File: VW032055.D

Acq: 11 Aug 2025 10:09

Instrument :

MSVOA_W

ClientSampleId :

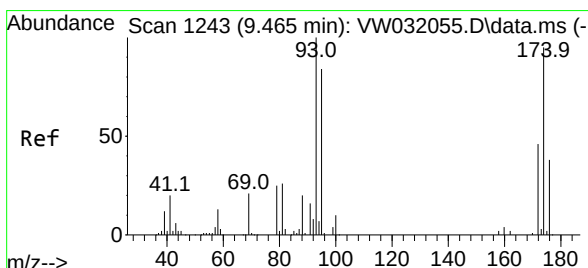
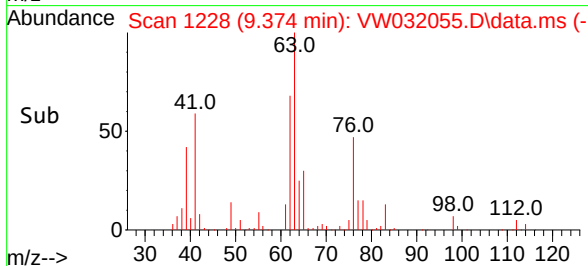
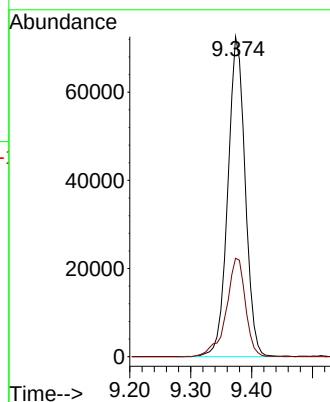
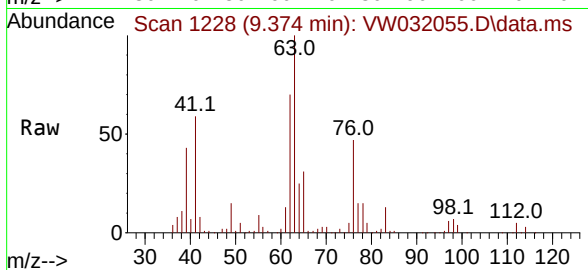
VSTDICCC050

Tgt Ion: 63 Resp: 143446

Ion Ratio Lower Upper

63 100

65 30.7 24.6 36.8



#46

Dibromomethane

Concen: 51.770 ug/l

RT: 9.465 min Scan# 1243

Delta R.T. 0.000 min

Lab File: VW032055.D

Acq: 11 Aug 2025 10:09

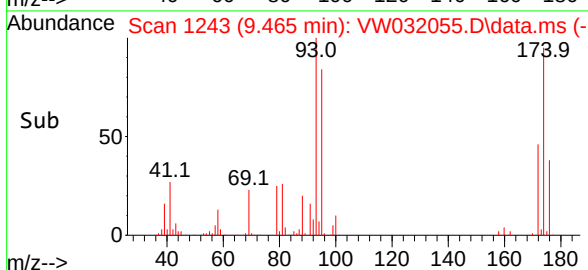
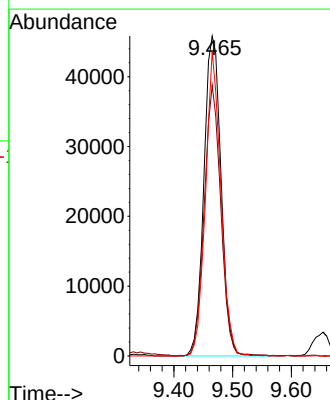
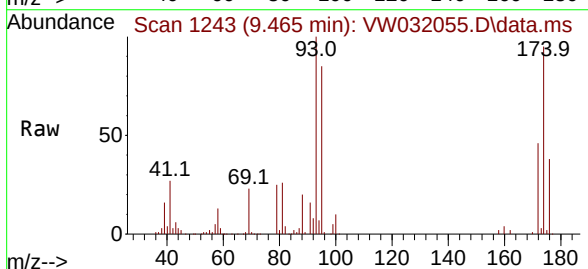
Tgt Ion: 93 Resp: 93001

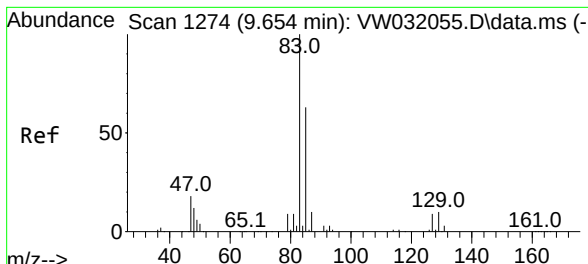
Ion Ratio Lower Upper

93 100

95 81.6 65.3 97.9

174 85.7 68.6 102.8

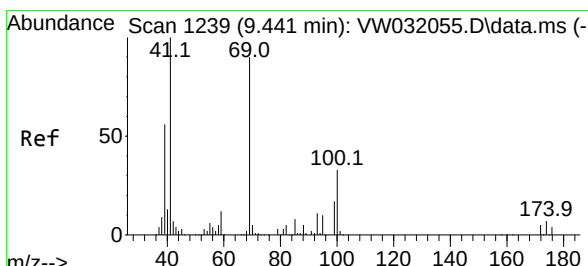
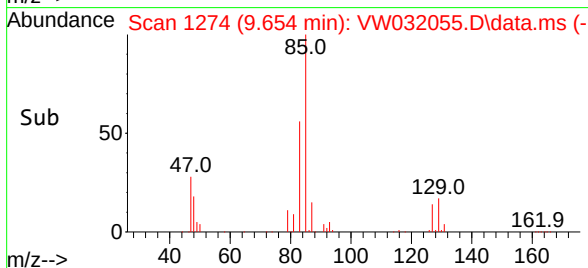
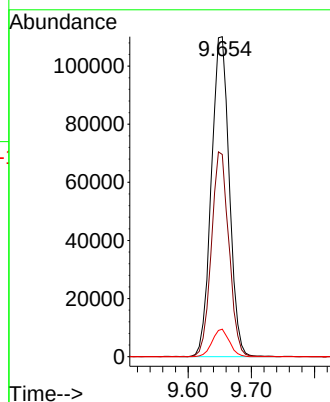
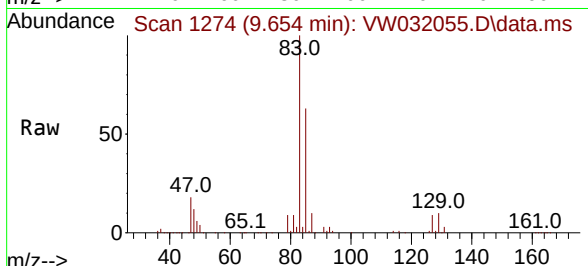




#47
 Bromodichloromethane
 Concen: 52.307 ug/l
 RT: 9.654 min Scan# 1274
 Delta R.T. 0.000 min
 Lab File: VW032055.D
 Acq: 11 Aug 2025 10:09

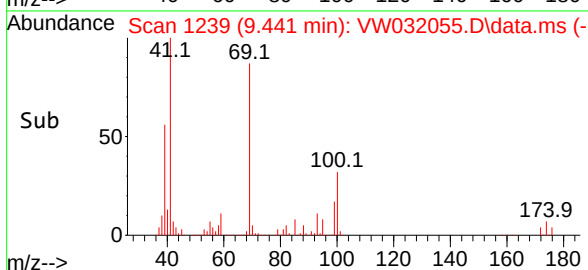
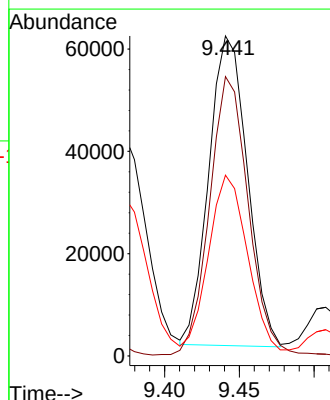
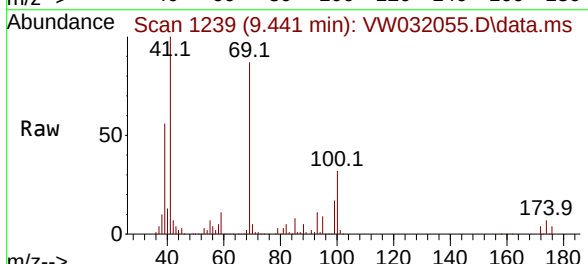
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

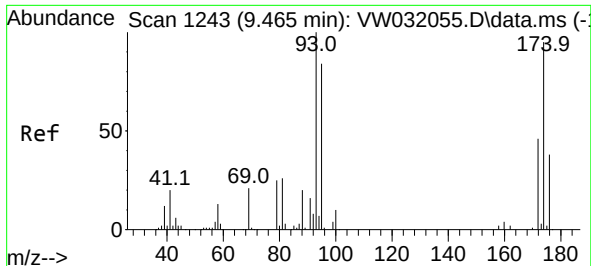
Tgt Ion:	83	Resp:	216521
Ion	Ratio	Lower	Upper
83	100		
85	63.2	50.6	75.8
127	8.6	6.9	10.3



#48
 Methyl methacrylate
 Concen: 55.849 ug/l
 RT: 9.441 min Scan# 1239
 Delta R.T. 0.000 min
 Lab File: VW032055.D
 Acq: 11 Aug 2025 10:09

Tgt Ion:	41	Resp:	108287
Ion	Ratio	Lower	Upper
41	100		
69	91.3	73.0	109.6
39	56.2	45.0	67.4

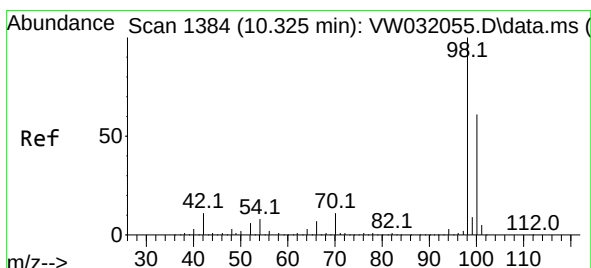
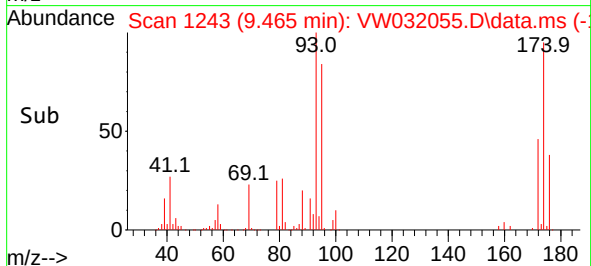
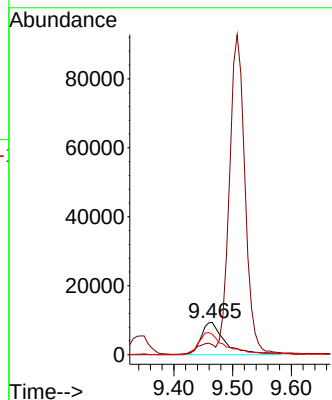
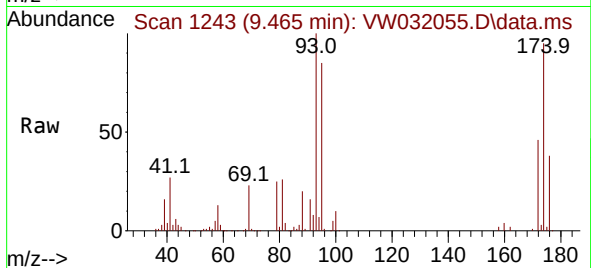




#49
 1,4-Dioxane
 Concen: 1144.321 ug/l
 RT: 9.465 min Scan# 1243
 Delta R.T. 0.000 min
 Lab File: VW032055.D
 Acq: 11 Aug 2025 10:09

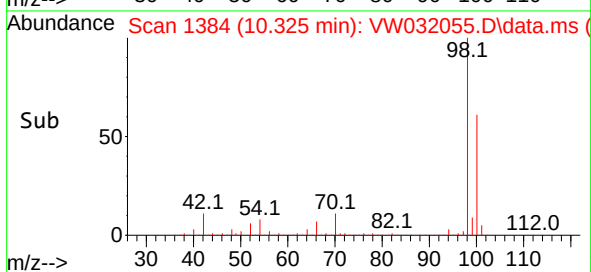
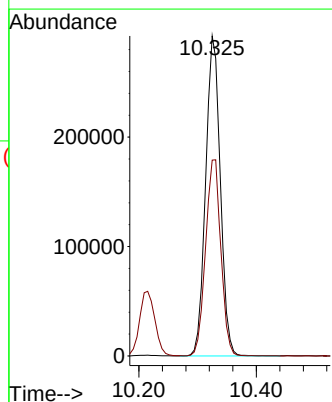
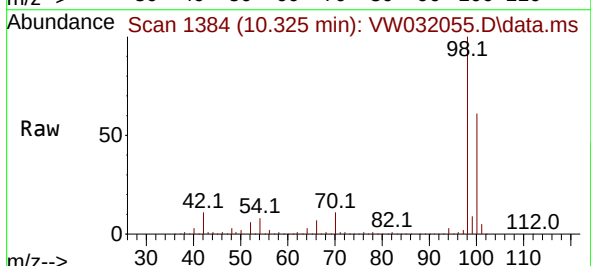
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

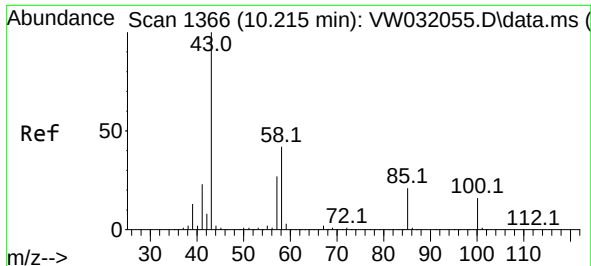
Tgt Ion: 88 Resp: 26579
 Ion Ratio Lower Upper
 88 100
 43 25.7 20.6 30.8
 58 75.5 60.4 90.6



#50
 Toluene-d8
 Concen: 52.098 ug/l
 RT: 10.325 min Scan# 1384
 Delta R.T. 0.000 min
 Lab File: VW032055.D
 Acq: 11 Aug 2025 10:09

Tgt Ion: 98 Resp: 506634
 Ion Ratio Lower Upper
 98 100
 100 63.9 51.1 76.7

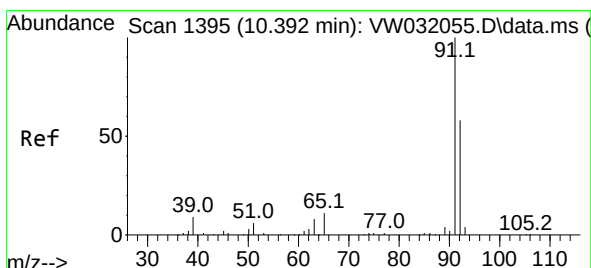
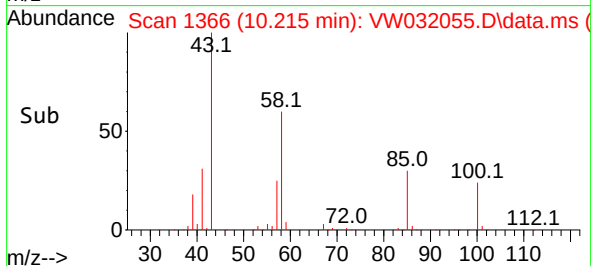
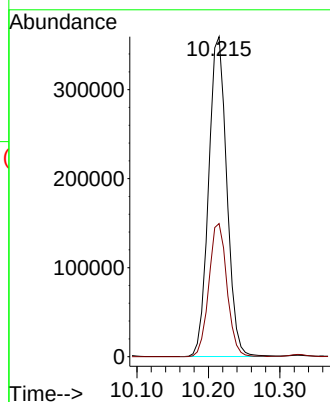
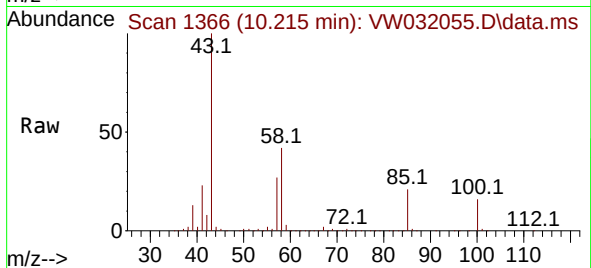




#51
4-Methyl-2-Pentanone
Concen: 280.194 ug/l
RT: 10.215 min Scan# 1366
Delta R.T. 0.000 min
Lab File: VW032055.D
Acq: 11 Aug 2025 10:09

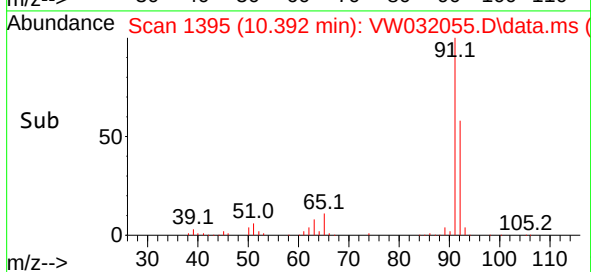
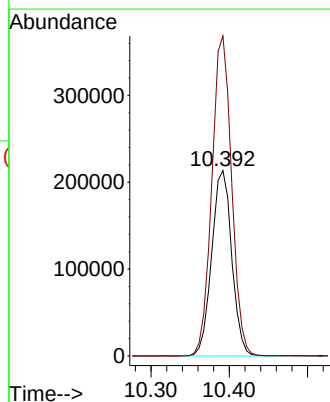
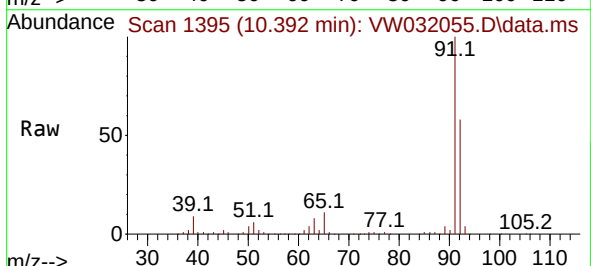
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

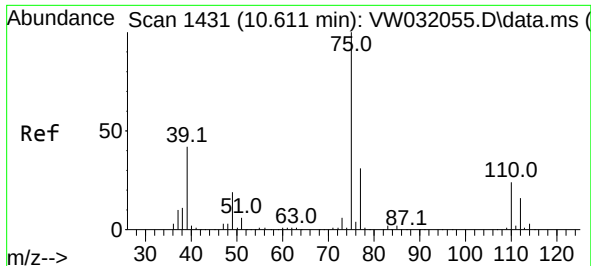
Tgt Ion: 43 Resp: 635174
Ion Ratio Lower Upper
43 100
58 41.4 33.1 49.7



#52
Toluene
Concen: 52.258 ug/l
RT: 10.392 min Scan# 1395
Delta R.T. 0.000 min
Lab File: VW032055.D
Acq: 11 Aug 2025 10:09

Tgt Ion: 92 Resp: 379230
Ion Ratio Lower Upper
92 100
91 170.4 136.3 204.5

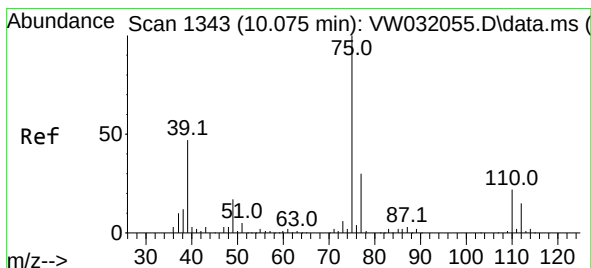
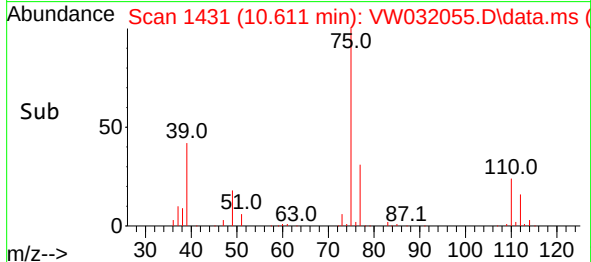
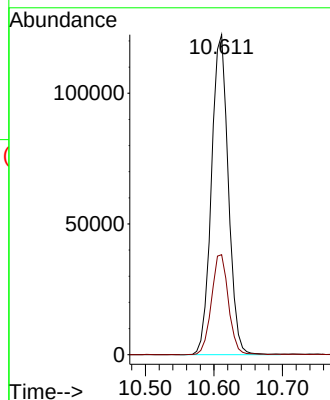
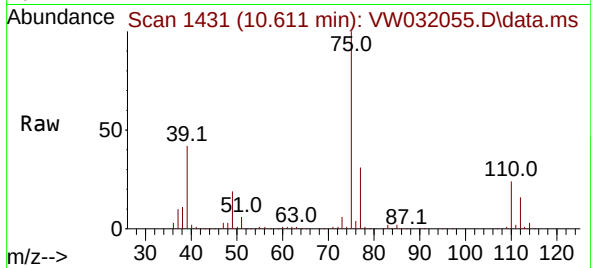




#53
 t-1,3-Dichloropropene
 Concen: 54.035 ug/l
 RT: 10.611 min Scan# 1431
 Delta R.T. 0.000 min
 Lab File: VW032055.D
 Acq: 11 Aug 2025 10:09

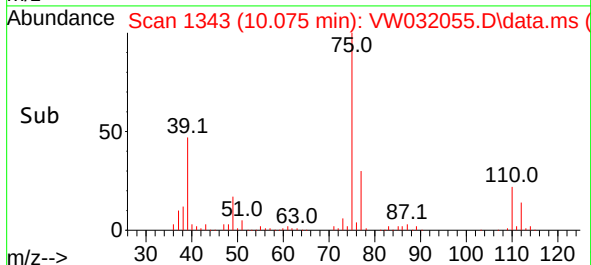
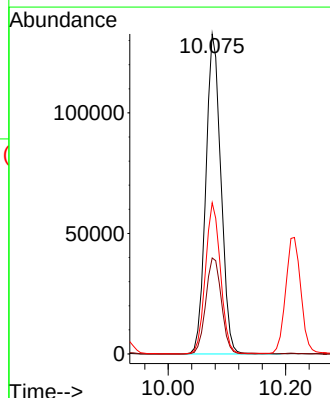
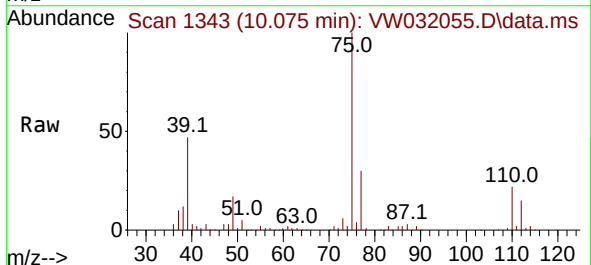
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

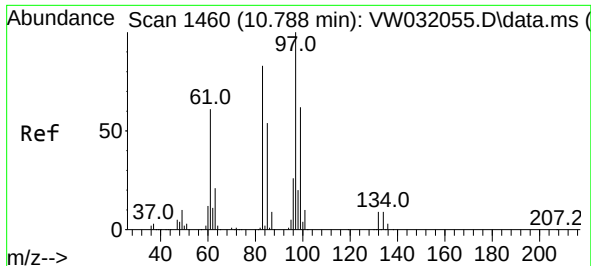
Tgt Ion: 75 Resp: 209555
 Ion Ratio Lower Upper
 75 100
 77 31.3 25.0 37.6



#54
 cis-1,3-Dichloropropene
 Concen: 53.744 ug/l
 RT: 10.075 min Scan# 1343
 Delta R.T. 0.000 min
 Lab File: VW032055.D
 Acq: 11 Aug 2025 10:09

Tgt Ion: 75 Resp: 236454
 Ion Ratio Lower Upper
 75 100
 77 30.0 24.0 36.0
 39 47.3 37.8 56.8

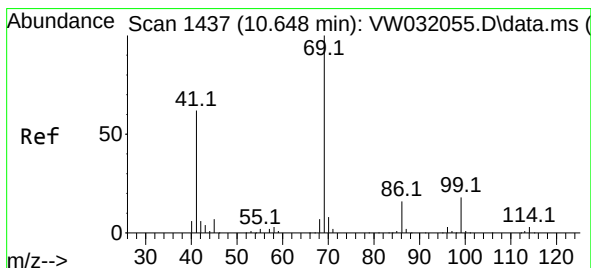
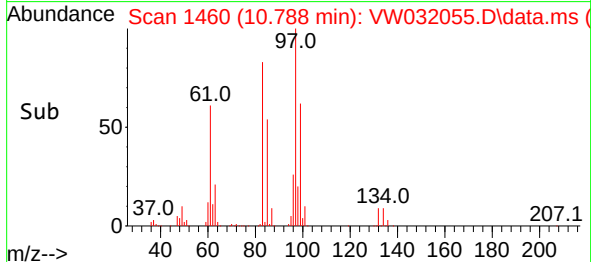
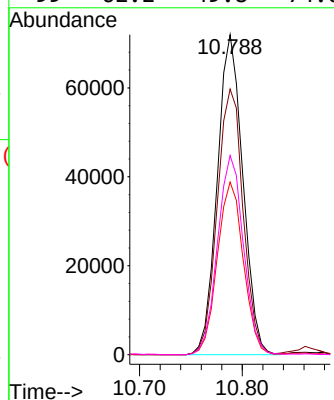
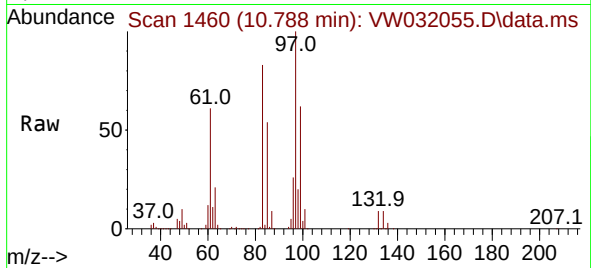




#55
1,1,2-Trichloroethane
Concen: 52.088 ug/l
RT: 10.788 min Scan# 1460
Delta R.T. 0.000 min
Lab File: VW032055.D
Acq: 11 Aug 2025 10:09

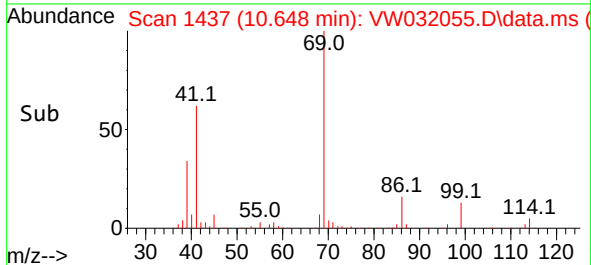
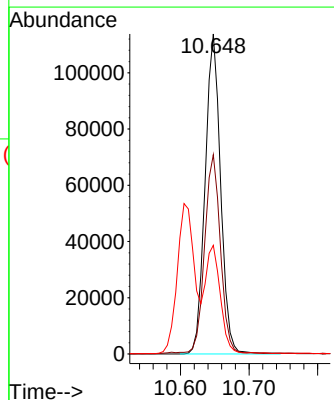
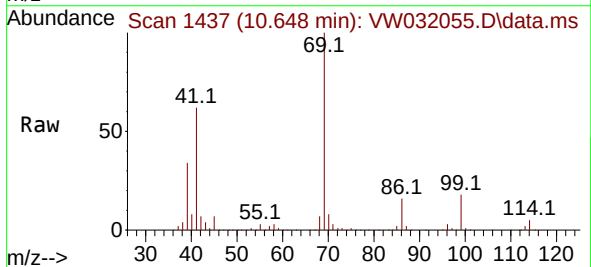
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

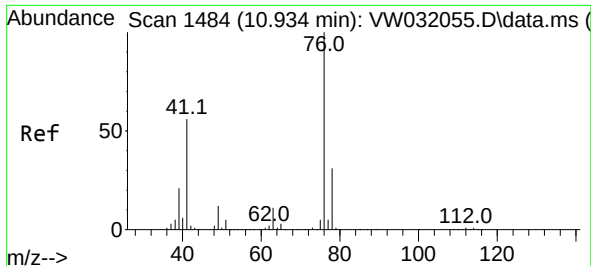
Tgt Ion:	97	Resp:	124341
Ion	Ratio	Lower	Upper
97	100		
83	83.0	66.4	99.6
85	53.9	43.1	64.7
99	62.2	49.8	74.6



#56
Ethyl methacrylate
Concen: 56.027 ug/l
RT: 10.648 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VW032055.D
Acq: 11 Aug 2025 10:09

Tgt Ion:	69	Resp:	178974
Ion	Ratio	Lower	Upper
69	100		
41	64.0	51.2	76.8
39	31.7	25.4	38.0

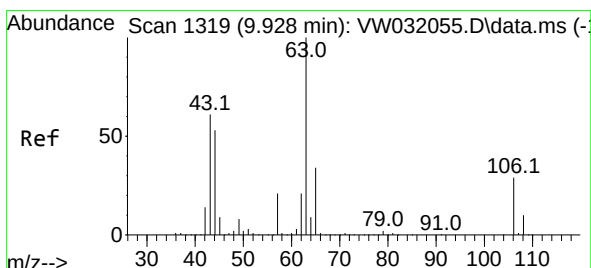
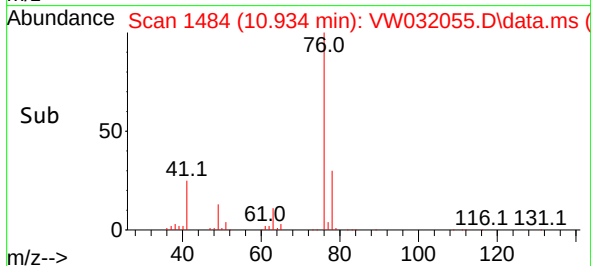
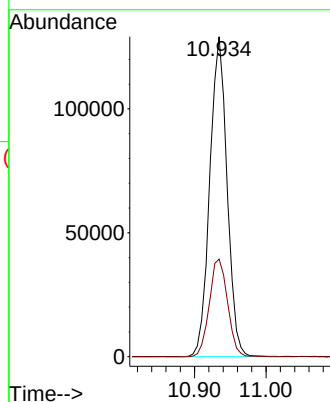
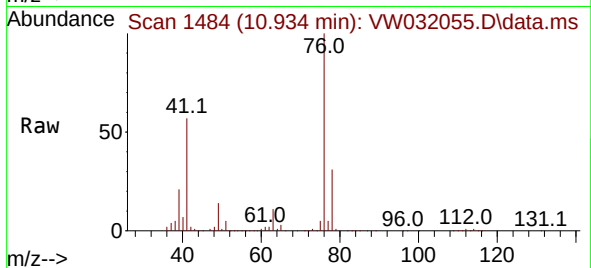




#57
1,3-Dichloropropane
Concen: 52.084 ug/l
RT: 10.934 min Scan# 1484
Delta R.T. 0.000 min
Lab File: VW032055.D
Acq: 11 Aug 2025 10:09

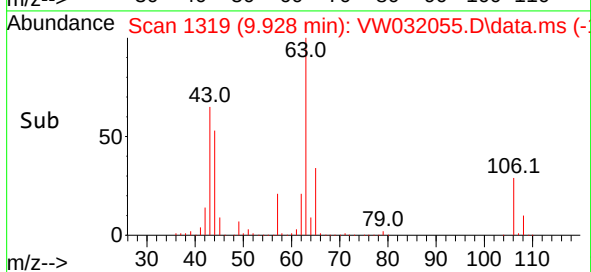
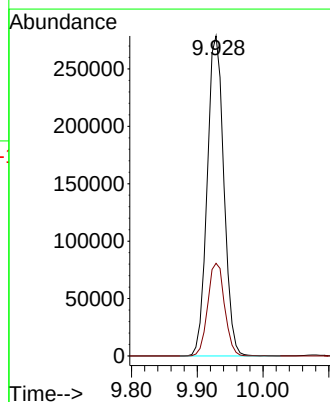
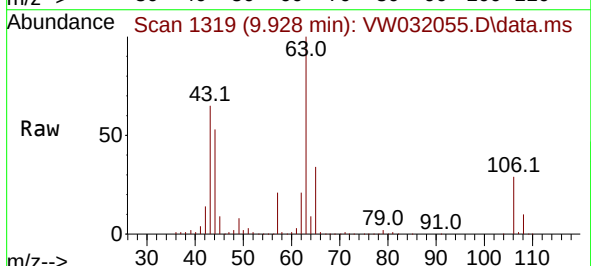
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

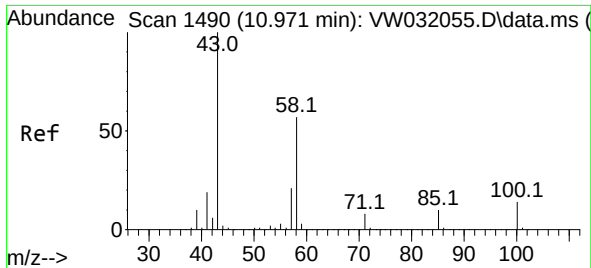
Tgt Ion: 76 Resp: 216719
Ion Ratio Lower Upper
76 100
78 32.2 25.8 38.6



#58
2-Chloroethyl Vinyl ether
Concen: 277.613 ug/l
RT: 9.928 min Scan# 1319
Delta R.T. 0.000 min
Lab File: VW032055.D
Acq: 11 Aug 2025 10:09

Tgt Ion: 63 Resp: 490522
Ion Ratio Lower Upper
63 100
106 29.4 23.5 35.3

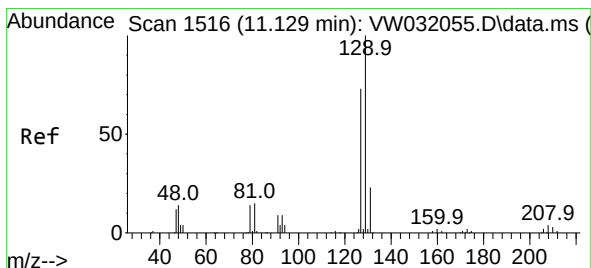
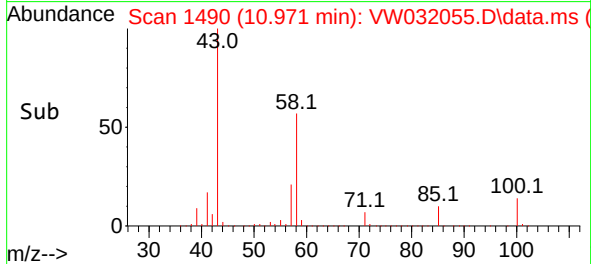
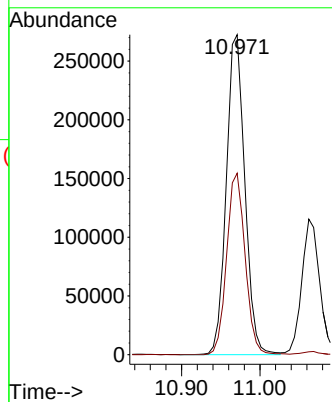
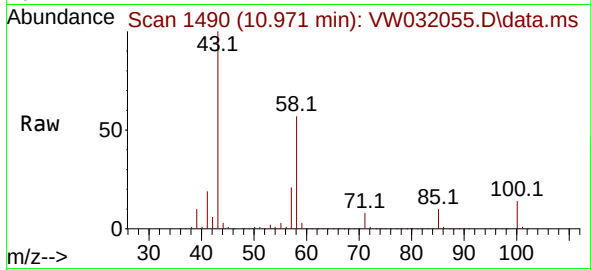




#59
2-Hexanone
Concen: 284.986 ug/l
RT: 10.971 min Scan# 1490
Delta R.T. 0.000 min
Lab File: VW032055.D
Acq: 11 Aug 2025 10:09

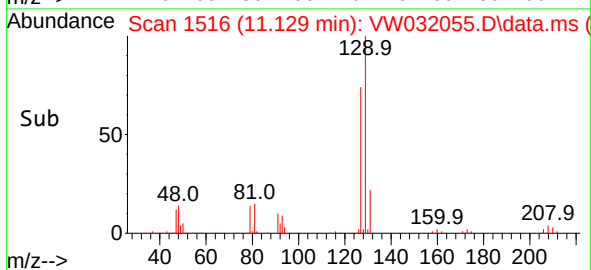
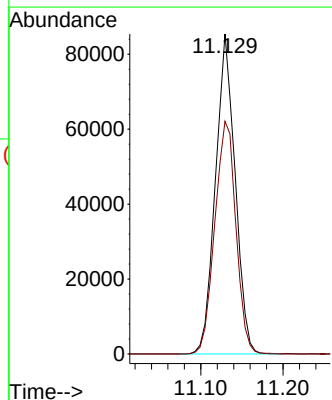
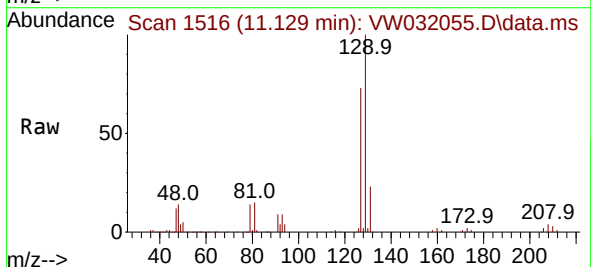
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

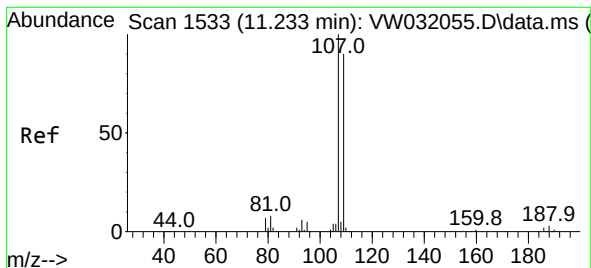
Tgt Ion: 43 Resp: 447423
Ion Ratio Lower Upper
43 100
58 56.7 28.3 85.0



#60
Dibromochloromethane
Concen: 52.161 ug/l
RT: 11.129 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VW032055.D
Acq: 11 Aug 2025 10:09

Tgt Ion: 129 Resp: 142234
Ion Ratio Lower Upper
129 100
127 77.9 39.0 116.9

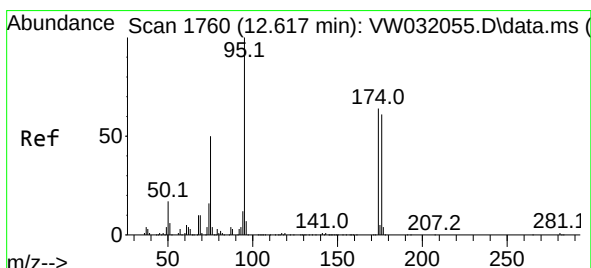
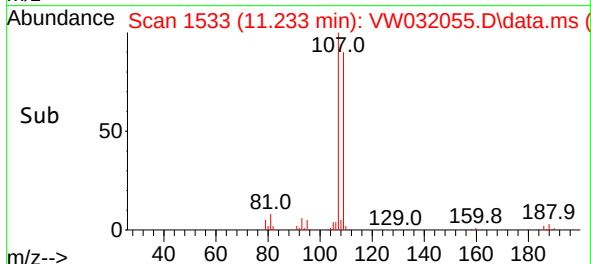
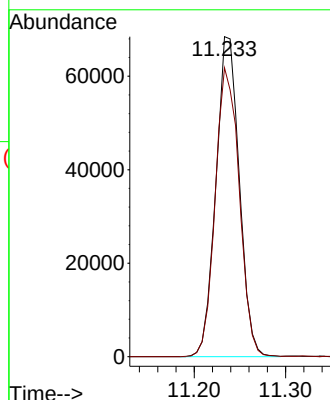
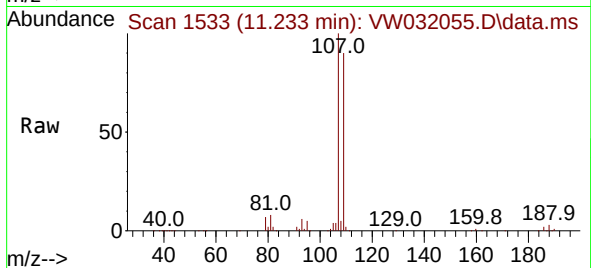




#61
1,2-Dibromoethane
Concen: 52.430 ug/l
RT: 11.233 min Scan# 1533
Delta R.T. 0.000 min
Lab File: VW032055.D
Acq: 11 Aug 2025 10:09

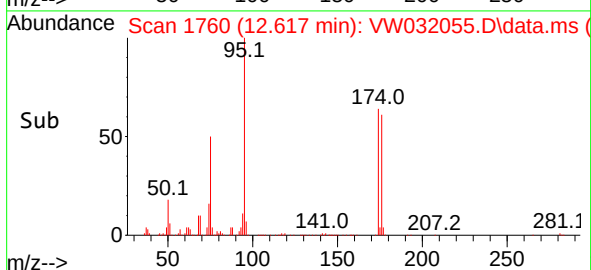
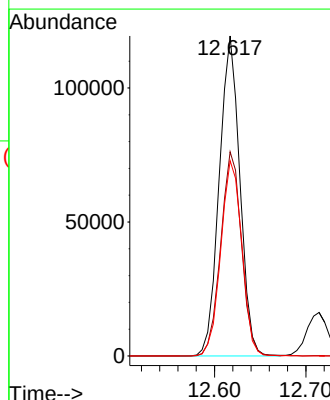
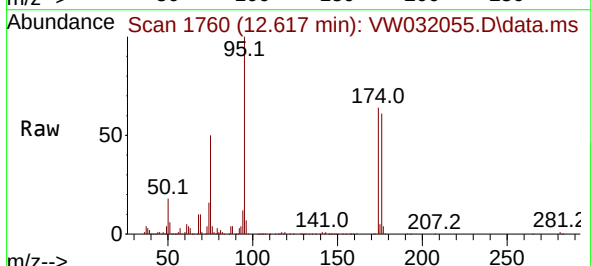
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

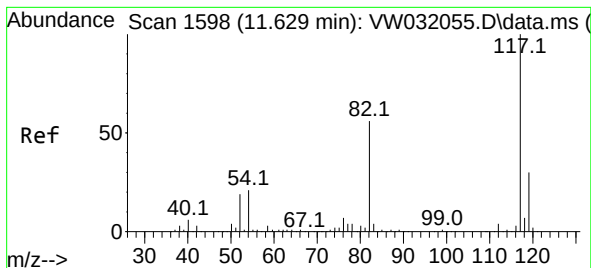
Tgt Ion:107 Resp: 121625
Ion Ratio Lower Upper
107 100
109 92.8 74.2 111.4



#62
4-Bromofluorobenzene
Concen: 52.274 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032055.D
Acq: 11 Aug 2025 10:09

Tgt Ion: 95 Resp: 187331
Ion Ratio Lower Upper
95 100
174 64.5 0.0 129.0
176 62.3 0.0 124.6

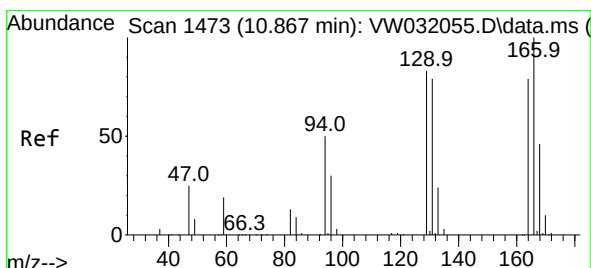
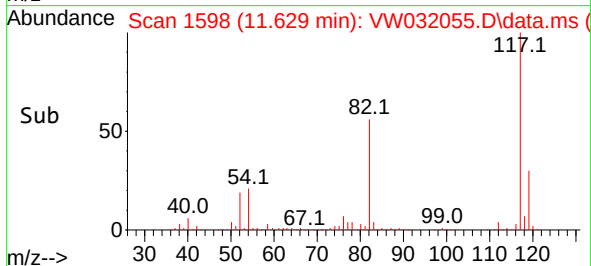
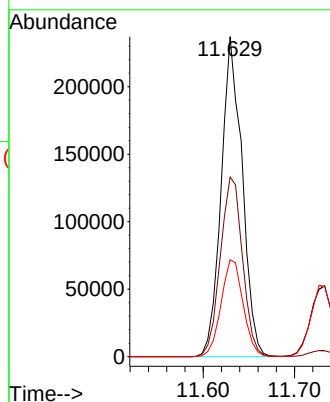
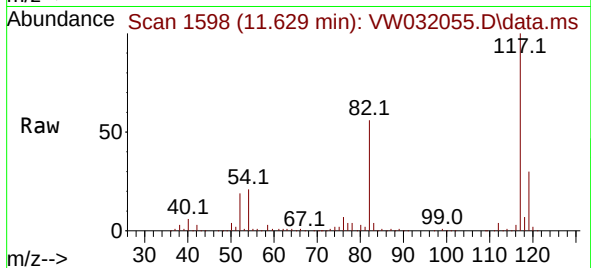




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 117
Delta R.T. 0.000 min
Lab File: VW032055.D
Acq: 11 Aug 2025 10:09

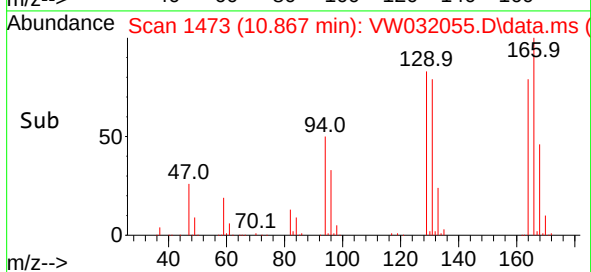
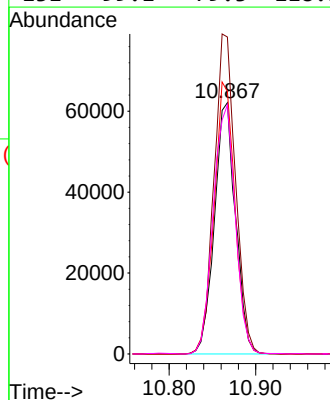
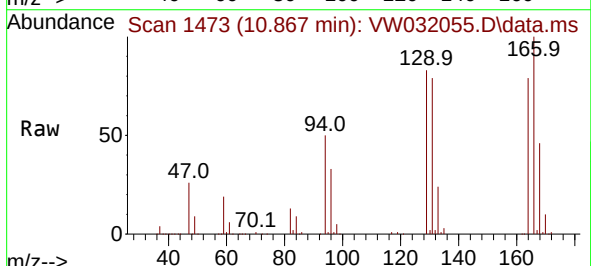
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

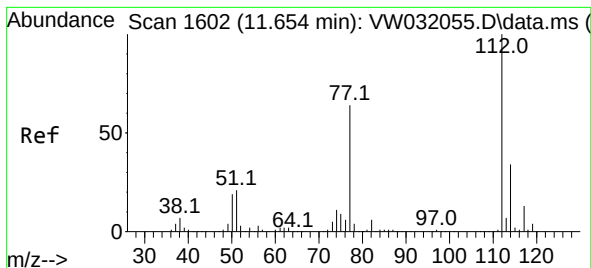
Tgt Ion:117 Resp: 378090
Ion Ratio Lower Upper
117 100
82 56.2 45.0 67.4
119 30.3 24.2 36.4



#64
Tetrachloroethene
Concen: 48.263 ug/l
RT: 10.867 min Scan# 1473
Delta R.T. 0.000 min
Lab File: VW032055.D
Acq: 11 Aug 2025 10:09

Tgt Ion:164 Resp: 105400
Ion Ratio Lower Upper
164 100
166 126.1 100.9 151.3
129 104.5 83.6 125.4
131 99.1 79.3 118.9

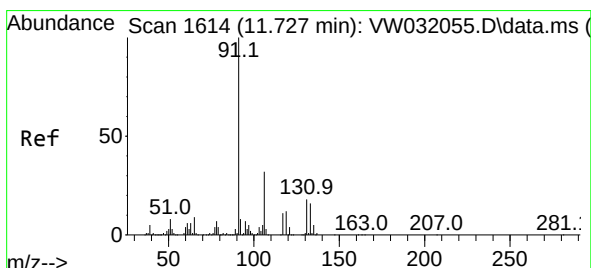
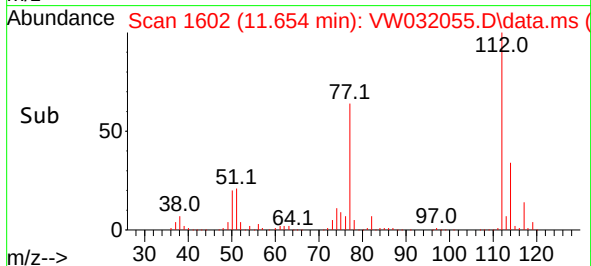
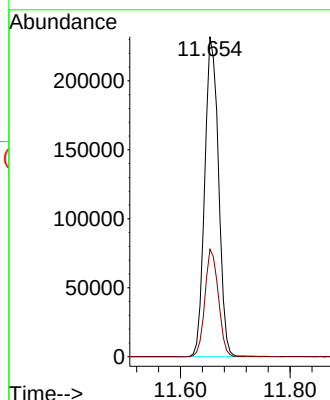
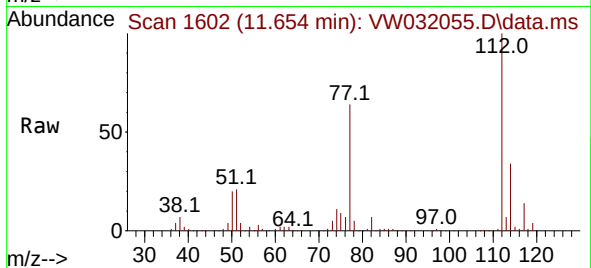




#65
Chlorobenzene
Concen: 49.082 ug/l
RT: 11.654 min Scan# 1112
Delta R.T. 0.000 min
Lab File: VW032055.D
Acq: 11 Aug 2025 10:09

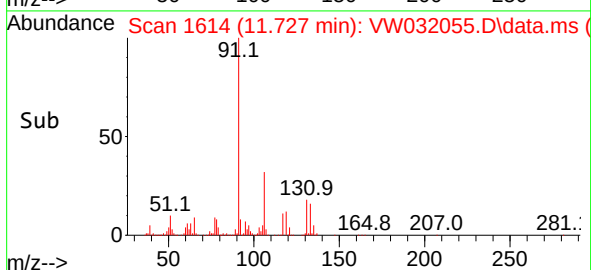
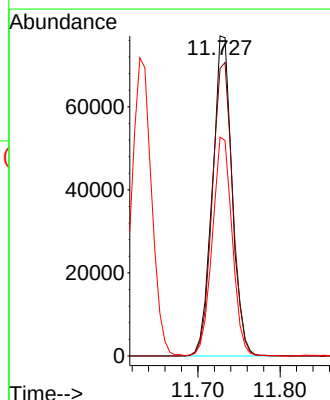
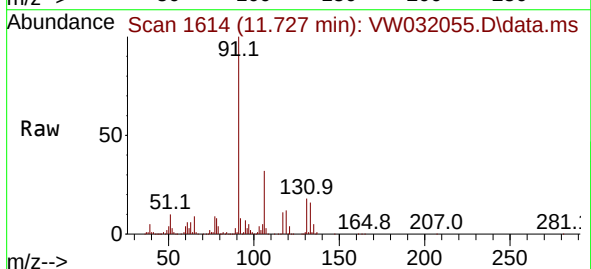
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

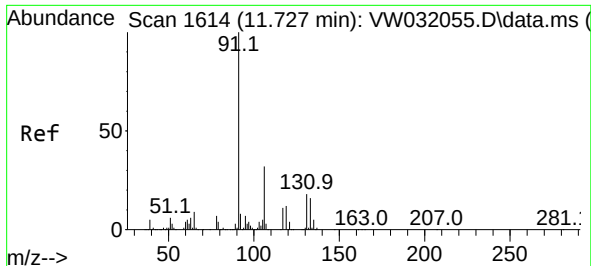
Tgt Ion:112 Resp: 403926
Ion Ratio Lower Upper
112 100
114 33.6 26.9 40.3



#66
1,1,1,2-Tetrachloroethane
Concen: 49.935 ug/l
RT: 11.727 min Scan# 1614
Delta R.T. 0.000 min
Lab File: VW032055.D
Acq: 11 Aug 2025 10:09

Tgt Ion:131 Resp: 128215
Ion Ratio Lower Upper
131 100
133 94.7 47.3 142.0
119 69.0 34.5 103.5





#67

Ethyl Benzene

Concen: 50.709 ug/l

RT: 11.727 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW032055.D

Acq: 11 Aug 2025 10:09

Instrument :

MSVOA_W

ClientSampleId :

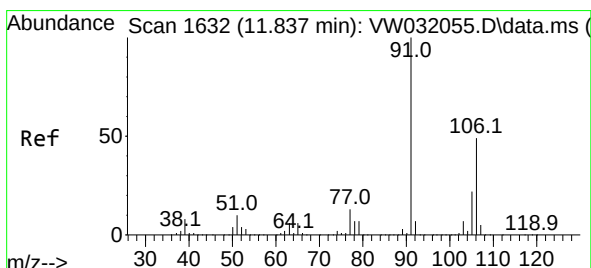
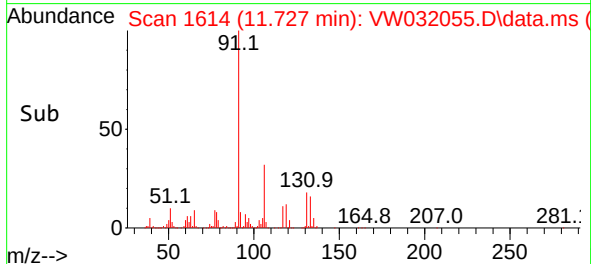
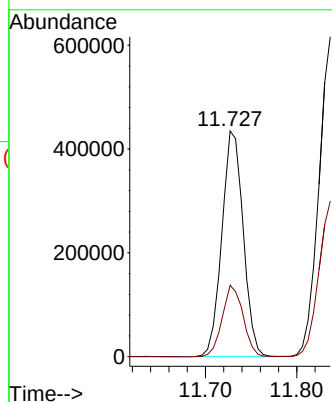
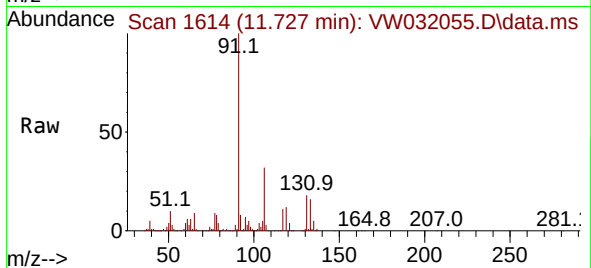
VSTDICCC050

Tgt Ion: 91 Resp: 706877

Ion Ratio Lower Upper

91 100

106 31.7 25.4 38.0



#68

m/p-Xylenes

Concen: 102.704 ug/l

RT: 11.837 min Scan# 1632

Delta R.T. 0.000 min

Lab File: VW032055.D

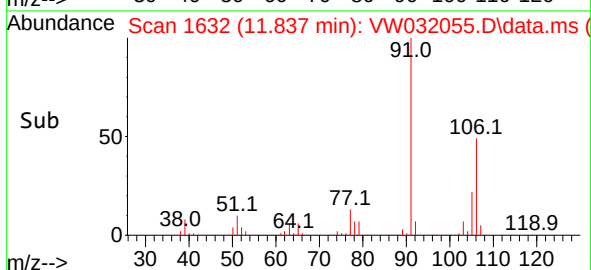
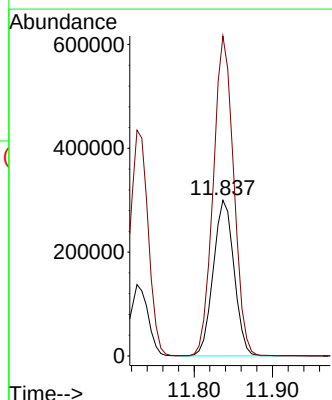
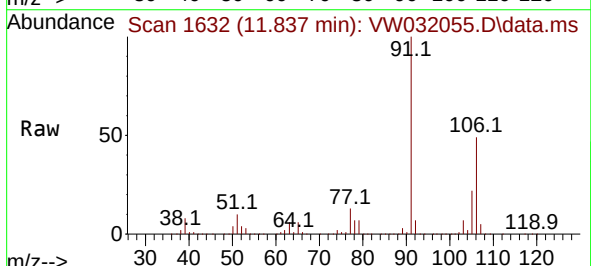
Acq: 11 Aug 2025 10:09

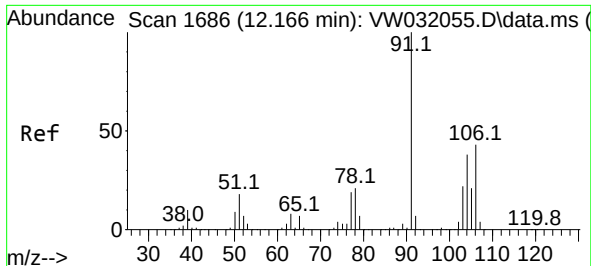
Tgt Ion: 106 Resp: 552442

Ion Ratio Lower Upper

106 100

91 202.7 162.2 243.2

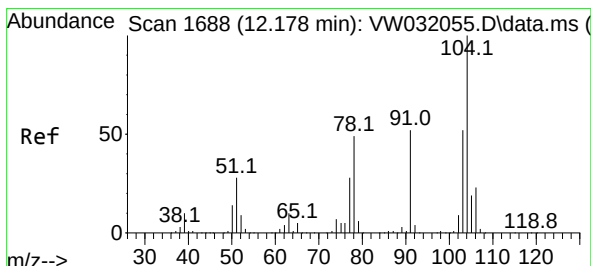
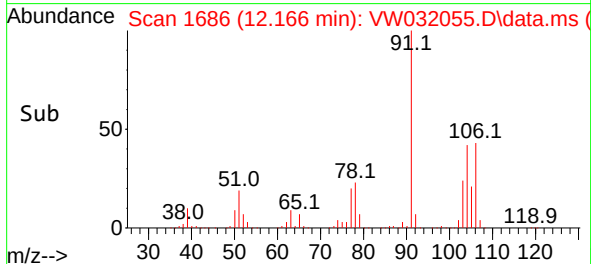
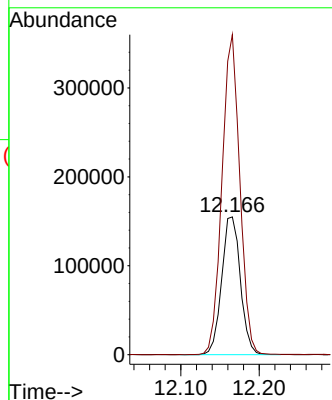
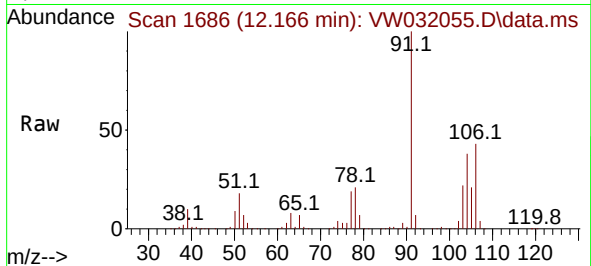




#69
o-Xylene
Concen: 51.812 ug/l
RT: 12.166 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VW032055.D
Acq: 11 Aug 2025 10:09

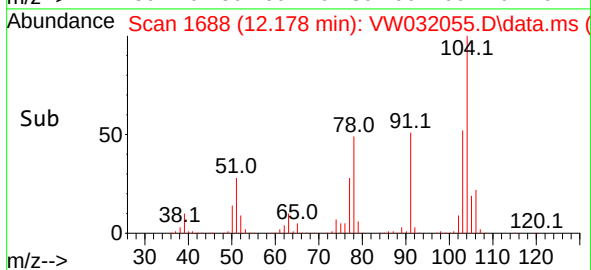
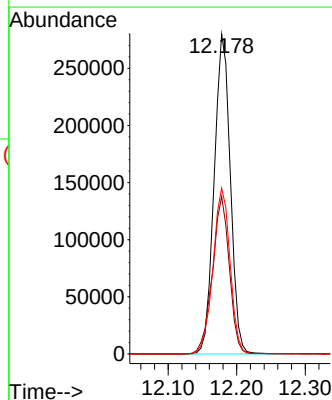
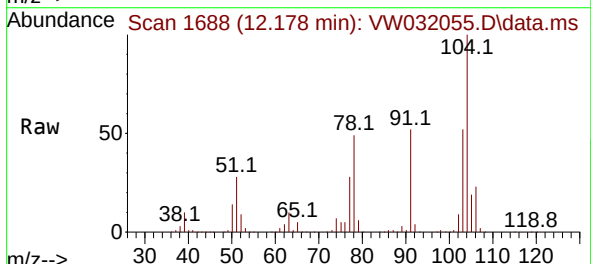
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

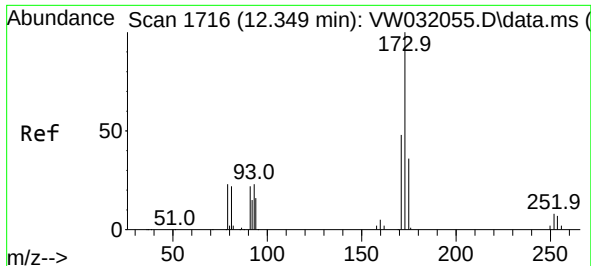
Tgt Ion:106 Resp: 257591
Ion Ratio Lower Upper
106 100
91 221.5 110.8 332.3



#70
Styrene
Concen: 51.858 ug/l
RT: 12.178 min Scan# 1688
Delta R.T. 0.000 min
Lab File: VW032055.D
Acq: 11 Aug 2025 10:09

Tgt Ion:104 Resp: 457949
Ion Ratio Lower Upper
104 100
78 51.5 41.2 61.8
103 54.8 43.8 65.8

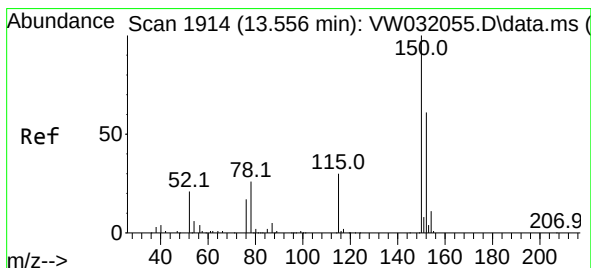
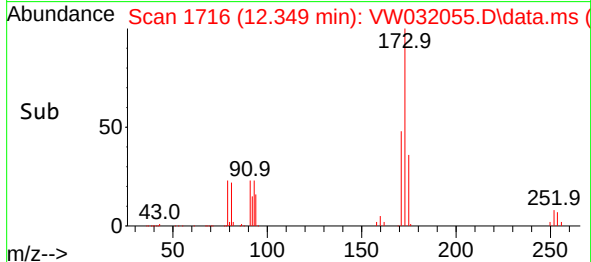
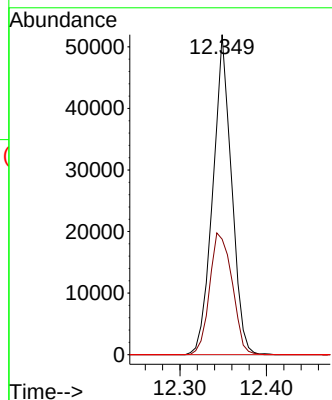
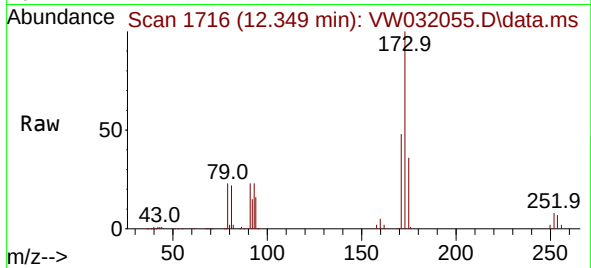




#71
Bromoform
Concen: 53.078 ug/l
RT: 12.349 min Scan# 1716
Delta R.T. 0.000 min
Lab File: VW032055.D
Acq: 11 Aug 2025 10:09

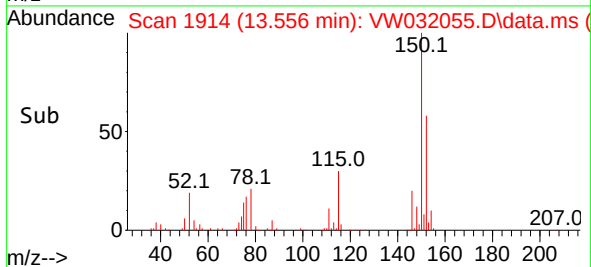
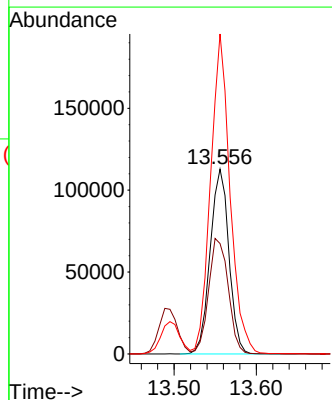
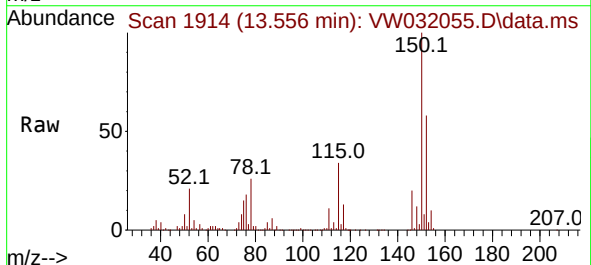
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

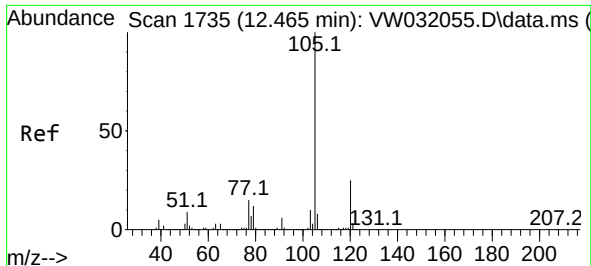
Tgt Ion:173 Resp: 77959
Ion Ratio Lower Upper
173 100
175 45.8 22.9 68.7
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW032055.D
Acq: 11 Aug 2025 10:09

Tgt Ion:152 Resp: 178995
Ion Ratio Lower Upper
152 100
115 65.2 32.6 97.8
150 179.7 0.0 359.4

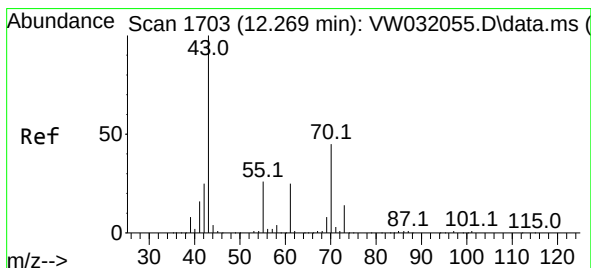
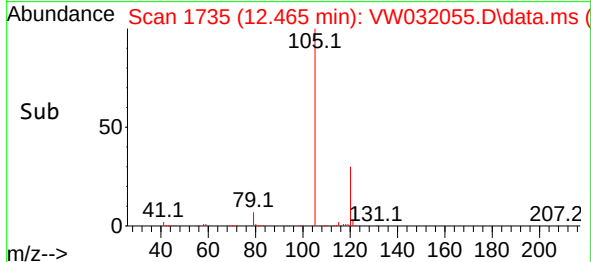
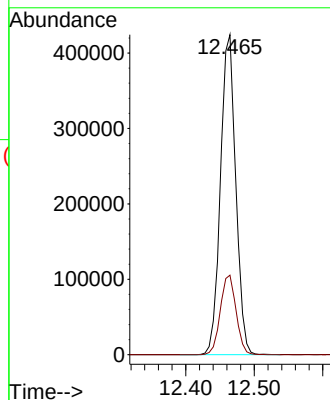
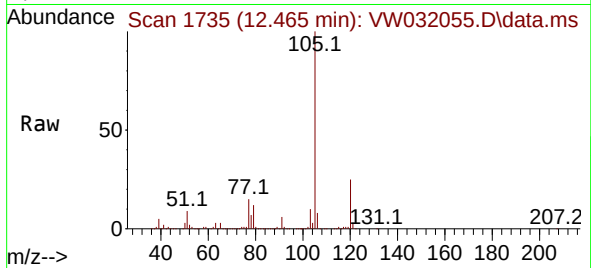




#73
Isopropylbenzene
Concen: 52.323 ug/l
RT: 12.465 min Scan# 1735
Delta R.T. 0.000 min
Lab File: VW032055.D
Acq: 11 Aug 2025 10:09

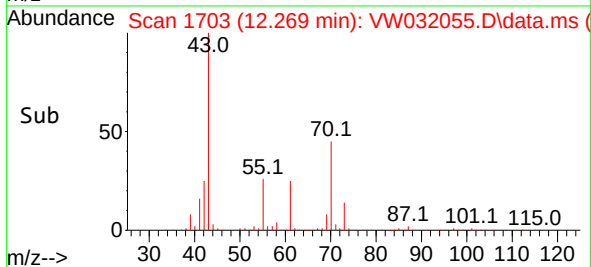
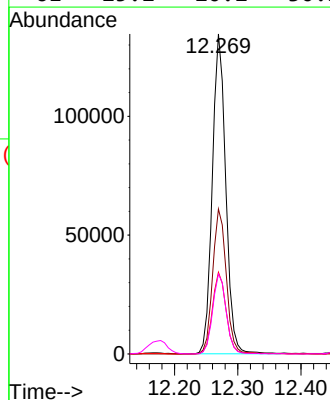
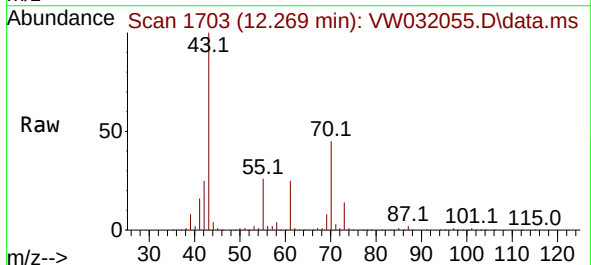
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

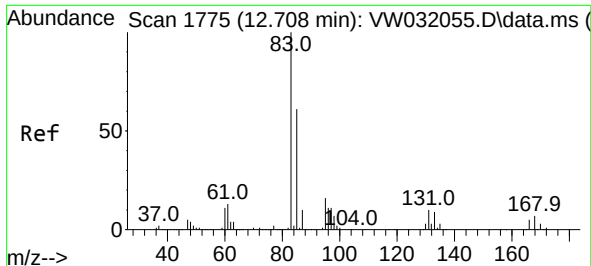
Tgt Ion:105 Resp: 654522
Ion Ratio Lower Upper
105 100
120 25.6 12.8 38.4



#74
N-ethyl acetate
Concen: 55.520 ug/l
RT: 12.269 min Scan# 1703
Delta R.T. 0.000 min
Lab File: VW032055.D
Acq: 11 Aug 2025 10:09

Tgt Ion: 43 Resp: 199256
Ion Ratio Lower Upper
43 100
70 46.2 37.0 55.4
55 26.4 21.1 31.7
61 25.2 20.2 30.2

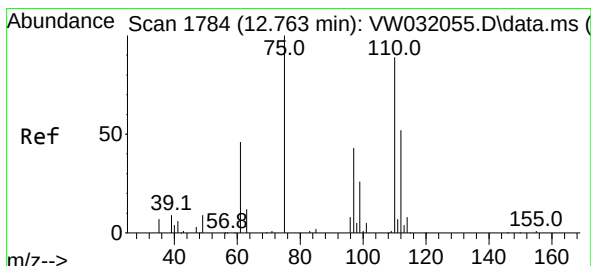
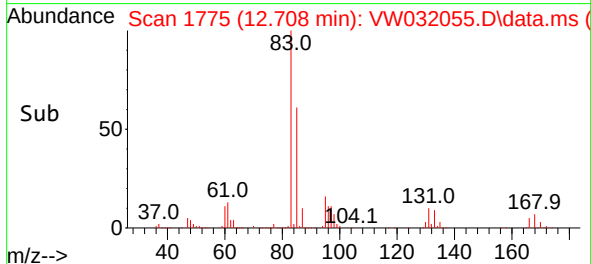
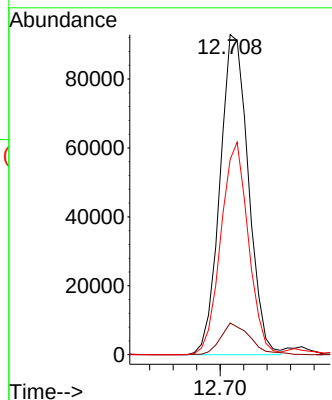
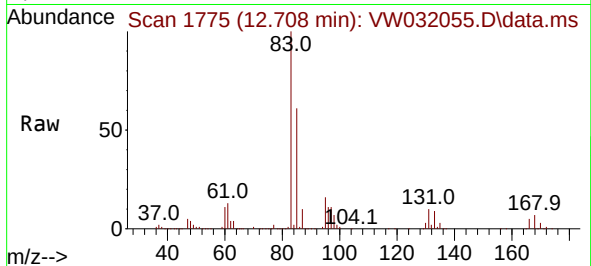




#75
1,1,2,2-Tetrachloroethane
Concen: 52.549 ug/l
RT: 12.708 min Scan# 1775
Delta R.T. 0.000 min
Lab File: VW032055.D
Acq: 11 Aug 2025 10:09

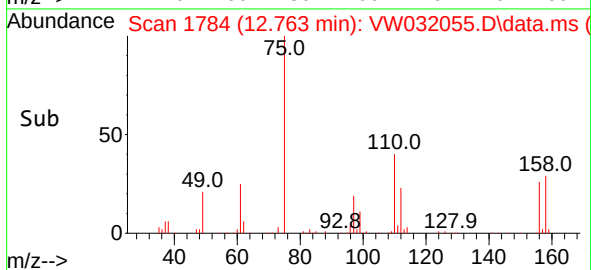
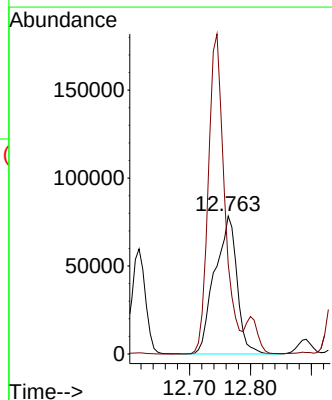
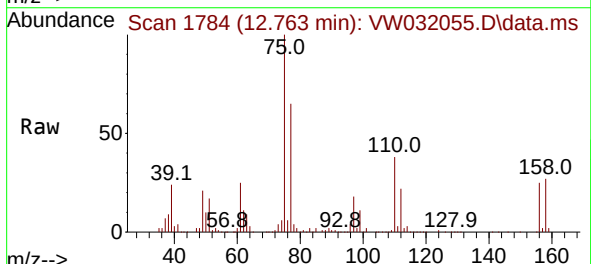
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

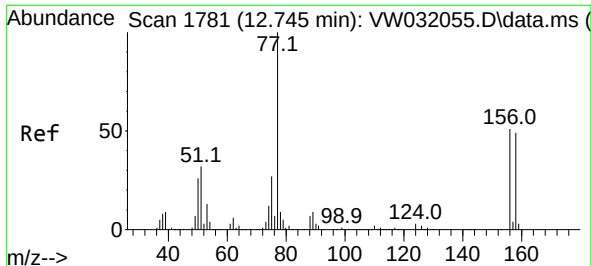
Tgt Ion: 83 Resp: 156076
Ion Ratio Lower Upper
83 100
131 10.3 5.1 15.4
85 64.4 32.2 96.6



#76
1,2,3-Trichloropropane
Concen: 72.113 ug/l
RT: 12.763 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VW032055.D
Acq: 11 Aug 2025 10:09

Tgt Ion: 75 Resp: 198427
Ion Ratio Lower Upper
75 100
77 171.4 123.5 370.5

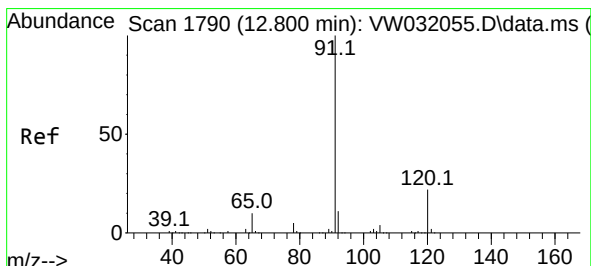
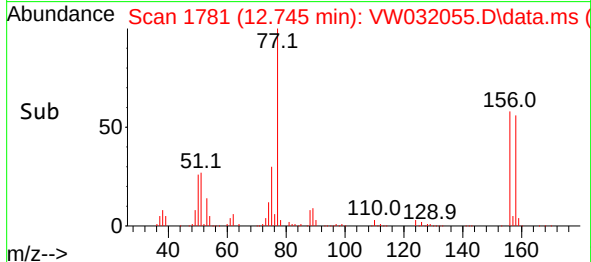
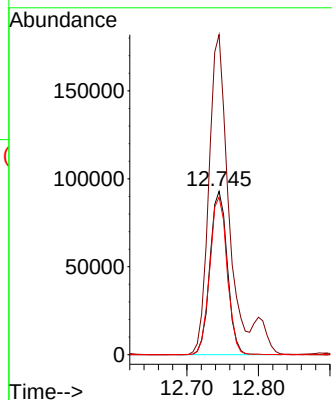
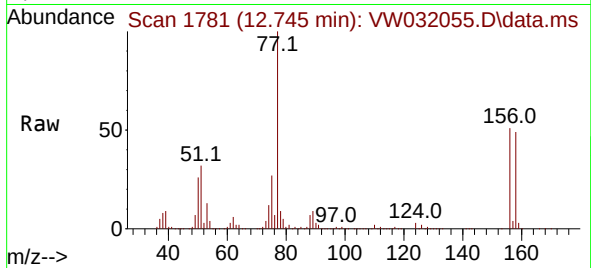




#77
Bromobenzene
Concen: 52.326 ug/l
RT: 12.745 min Scan# 1781
Delta R.T. 0.000 min
Lab File: VW032055.D
Acq: 11 Aug 2025 10:09

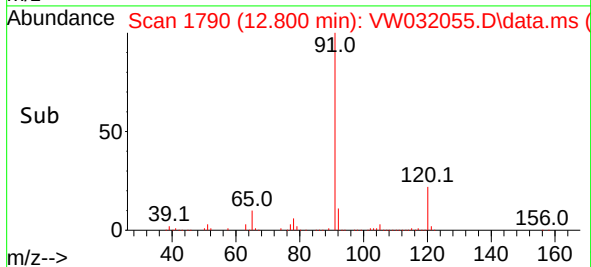
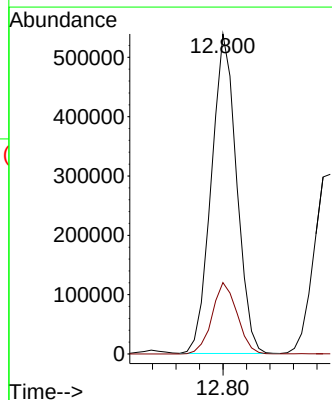
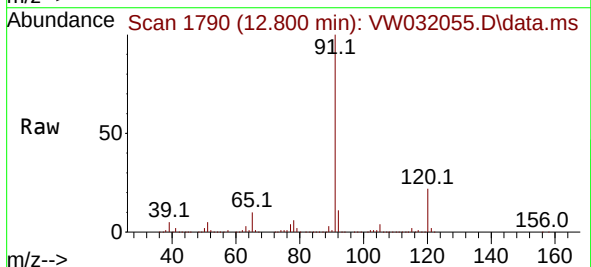
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

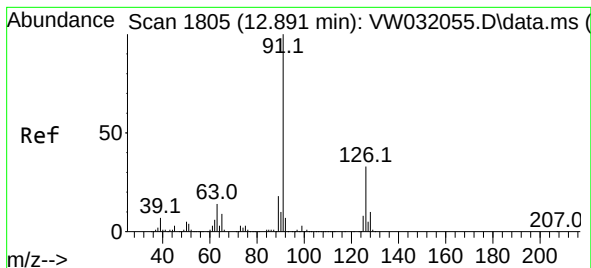
Tgt Ion:156 Resp: 156335
Ion Ratio Lower Upper
156 100
77 217.5 108.7 326.3
158 96.6 48.3 144.9



#78
n-propylbenzene
Concen: 52.304 ug/l
RT: 12.800 min Scan# 1790
Delta R.T. 0.000 min
Lab File: VW032055.D
Acq: 11 Aug 2025 10:09

Tgt Ion: 91 Resp: 805515
Ion Ratio Lower Upper
91 100
120 22.2 11.1 33.3

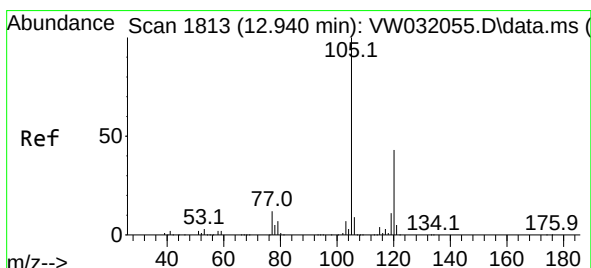
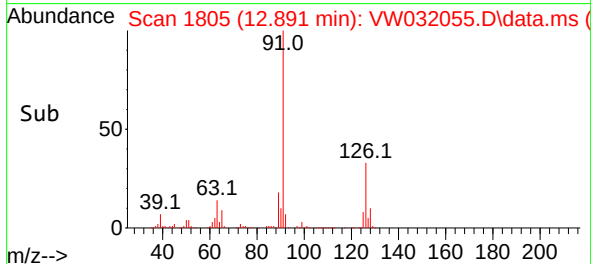
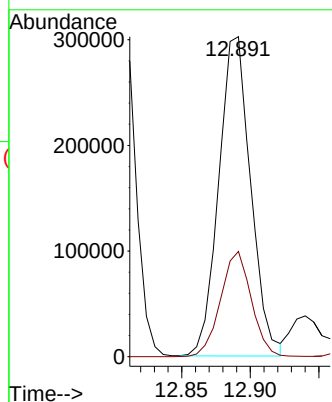
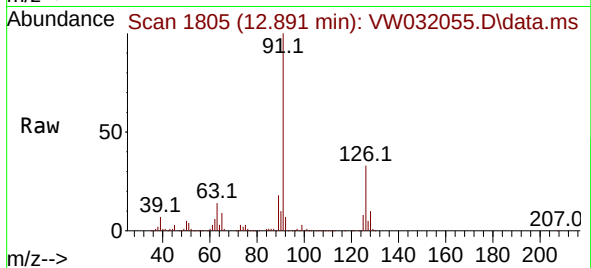




#79
2-Chlorotoluene
Concen: 51.622 ug/l
RT: 12.891 min Scan# 1805
Delta R.T. 0.000 min
Lab File: VW032055.D
Acq: 11 Aug 2025 10:09

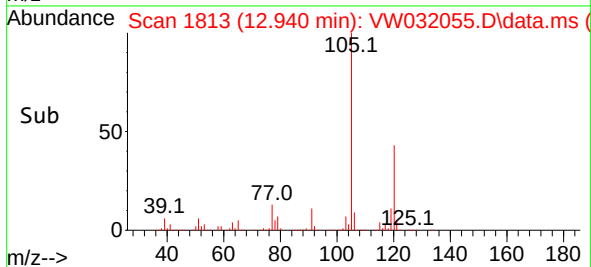
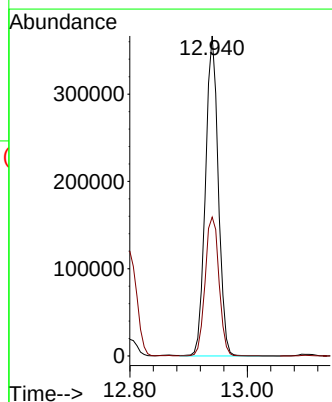
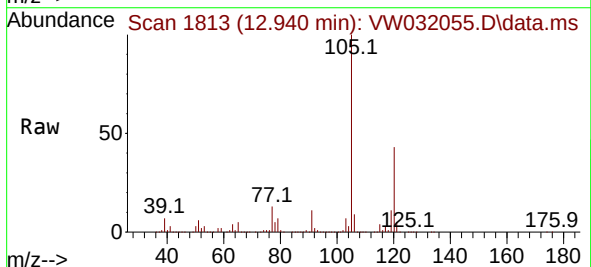
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

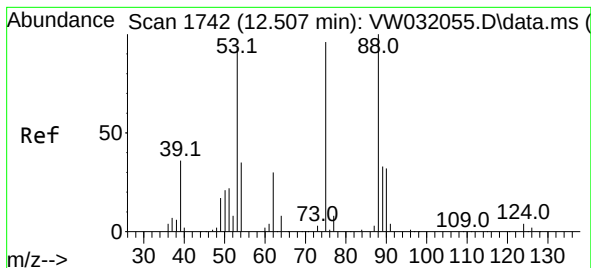
Tgt Ion: 91 Resp: 490665
Ion Ratio Lower Upper
91 100
126 31.8 15.9 47.7



#80
1,3,5-Trimethylbenzene
Concen: 52.305 ug/l
RT: 12.940 min Scan# 1813
Delta R.T. 0.000 min
Lab File: VW032055.D
Acq: 11 Aug 2025 10:09

Tgt Ion: 105 Resp: 555481
Ion Ratio Lower Upper
105 100
120 46.7 23.4 70.0

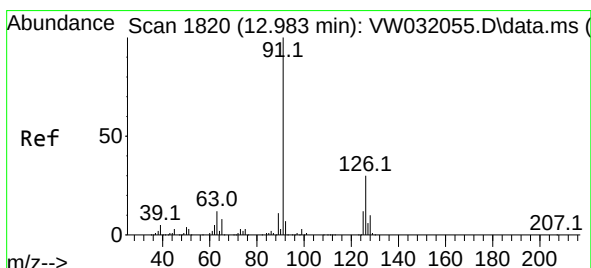
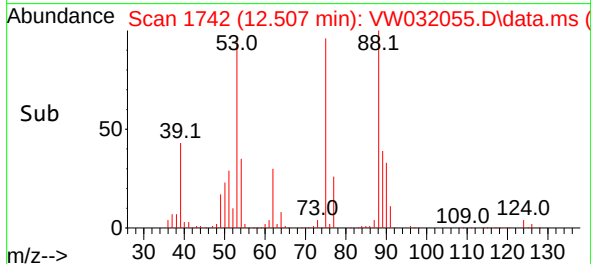
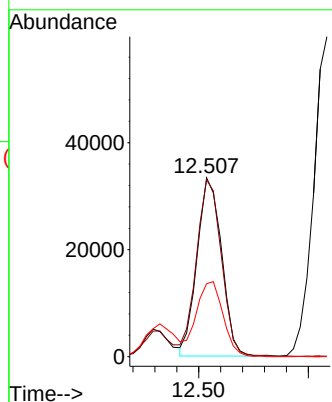
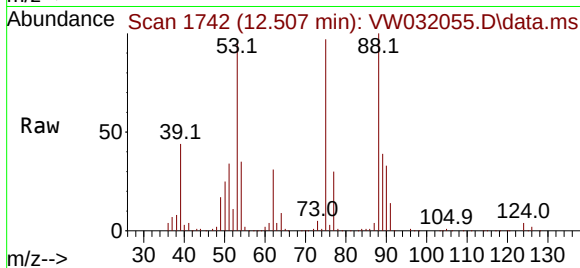




#81
trans-1,4-Dichloro-2-butene
Concen: 55.213 ug/l
RT: 12.507 min Scan# 1742
Delta R.T. 0.000 min
Lab File: VW032055.D
Acq: 11 Aug 2025 10:09

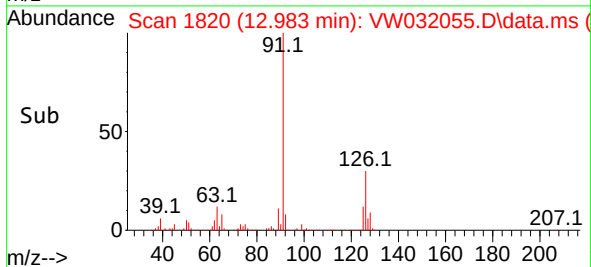
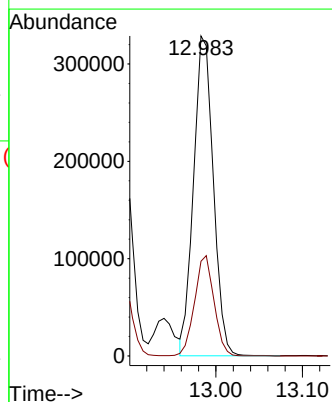
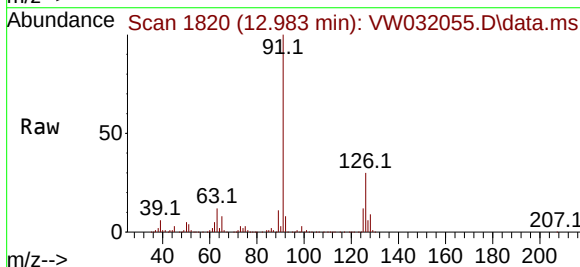
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

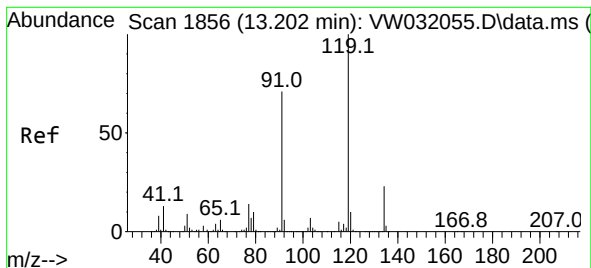
Tgt Ion:	75	Resp:	51811
Ion Ratio	Lower	Upper	
75	100		
53	101.3	81.0	121.6
89	46.6	37.3	55.9



#82
4-Chlorotoluene
Concen: 51.488 ug/l
RT: 12.983 min Scan# 1820
Delta R.T. 0.000 min
Lab File: VW032055.D
Acq: 11 Aug 2025 10:09

Tgt Ion:	91	Resp:	519957
Ion Ratio	Lower	Upper	
91	100		
126	31.0	15.5	46.5





#83

tert-Butylbenzene

Concen: 52.460 ug/l

RT: 13.202 min Scan# 1856

Delta R.T. 0.000 min

Lab File: VW032055.D

Acq: 11 Aug 2025 10:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

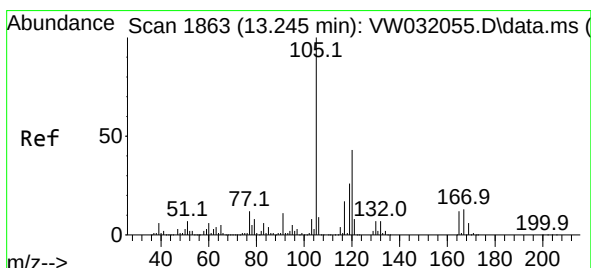
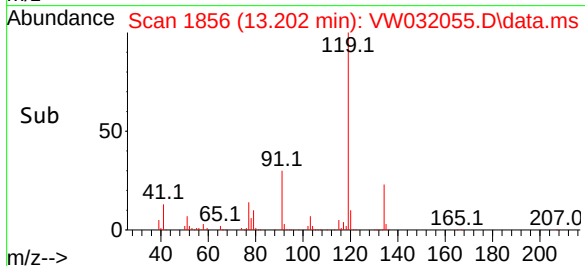
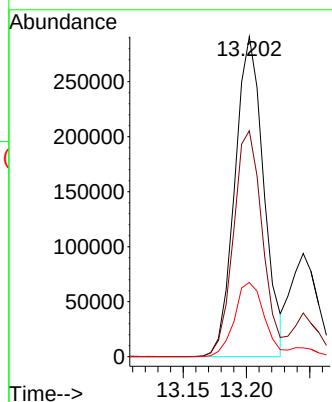
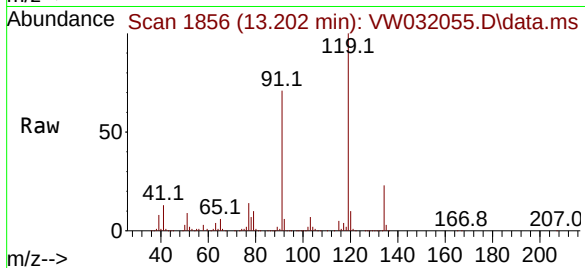
Tgt Ion:119 Resp: 462373

Ion Ratio Lower Upper

119 100

91 70.6 35.3 105.9

134 24.2 12.1 36.3



#84

1,2,4-Trimethylbenzene

Concen: 52.950 ug/l

RT: 13.245 min Scan# 1863

Delta R.T. 0.000 min

Lab File: VW032055.D

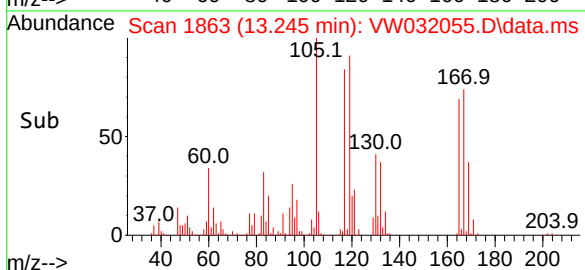
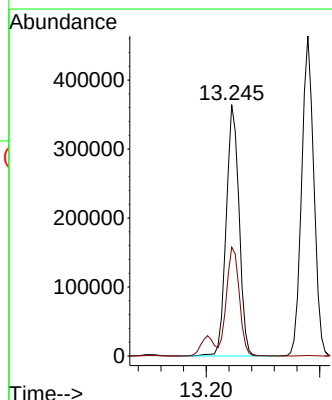
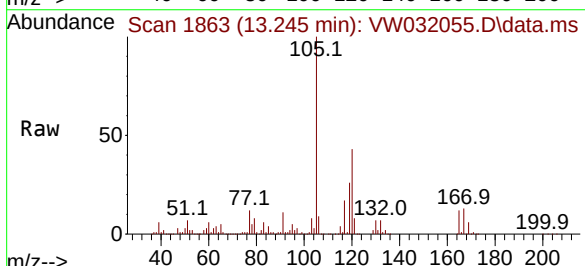
Acq: 11 Aug 2025 10:09

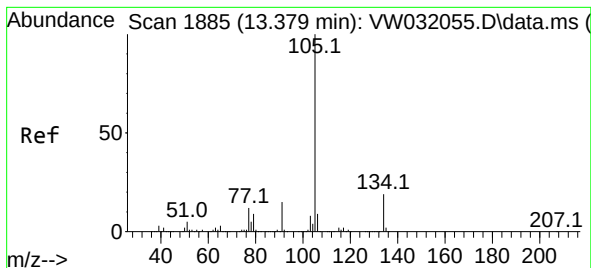
Tgt Ion:105 Resp: 572429

Ion Ratio Lower Upper

105 100

120 43.2 21.6 64.8

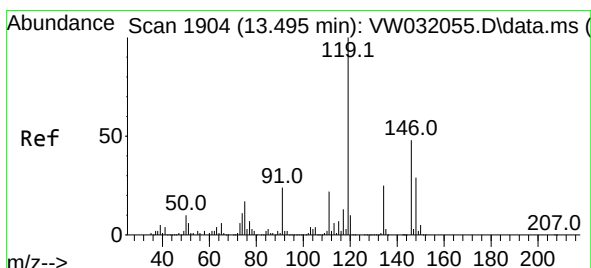
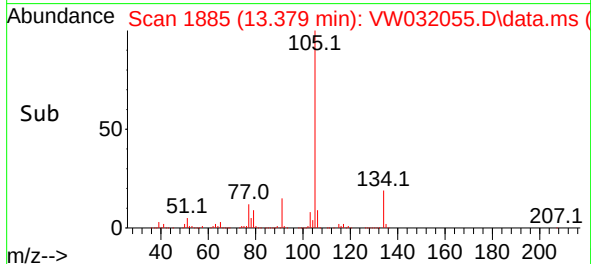
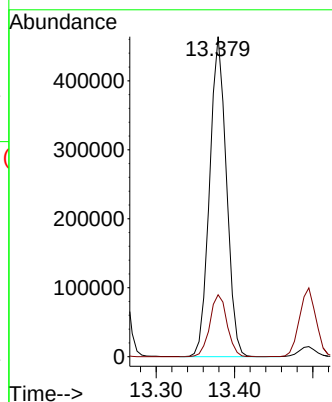
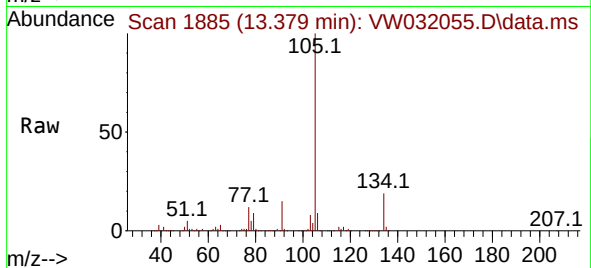




#85
 sec-Butylbenzene
 Concen: 51.829 ug/l
 RT: 13.379 min Scan# 1885
 Delta R.T. 0.000 min
 Lab File: VW032055.D
 Acq: 11 Aug 2025 10:09

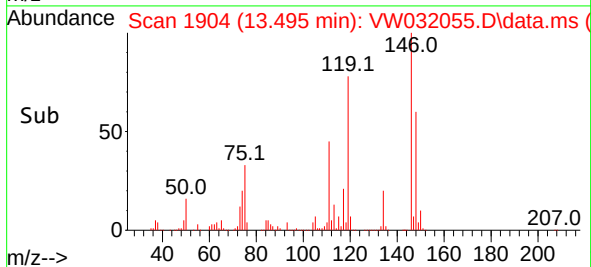
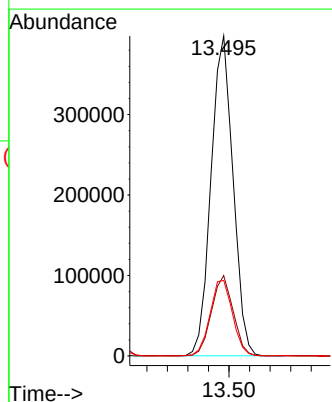
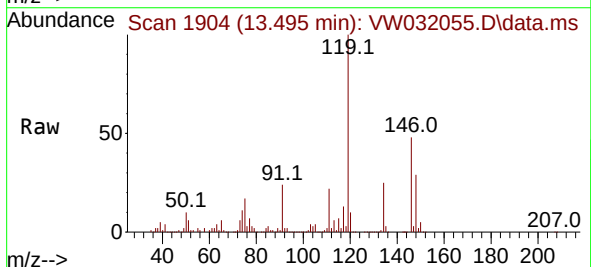
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

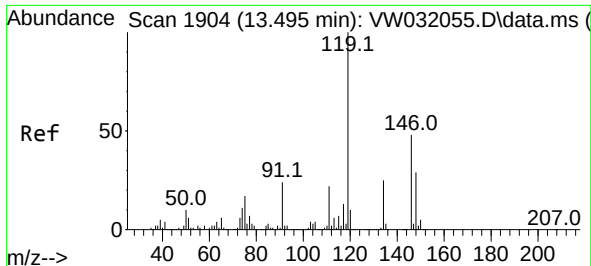
Tgt Ion:105 Resp: 690647
 Ion Ratio Lower Upper
 105 100
 134 19.8 9.9 29.7



#86
 p-Isopropyltoluene
 Concen: 53.089 ug/l
 RT: 13.495 min Scan# 1904
 Delta R.T. 0.000 min
 Lab File: VW032055.D
 Acq: 11 Aug 2025 10:09

Tgt Ion:119 Resp: 589769
 Ion Ratio Lower Upper
 119 100
 134 24.7 12.4 37.0
 91 24.2 12.1 36.3

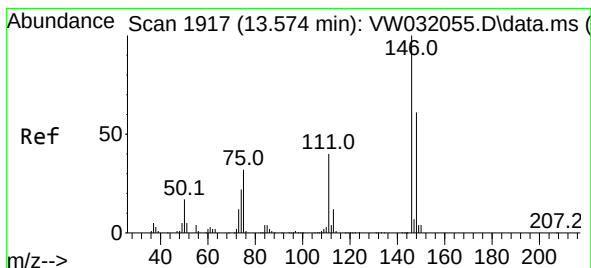
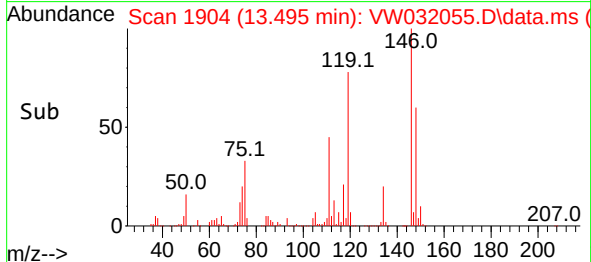
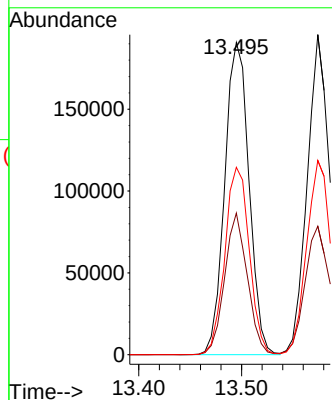
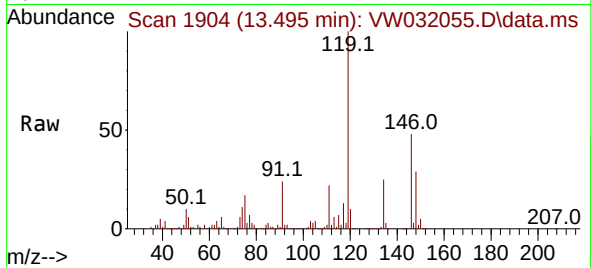




#87
1,3-Dichlorobenzene
Concen: 52.754 ug/l
RT: 13.495 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VW032055.D
Acq: 11 Aug 2025 10:09

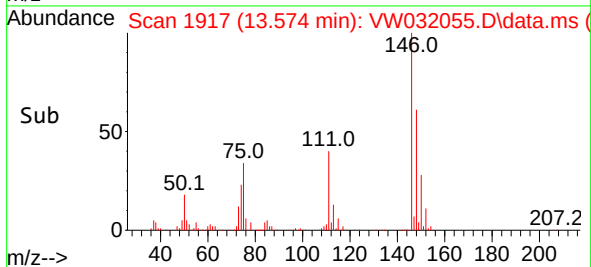
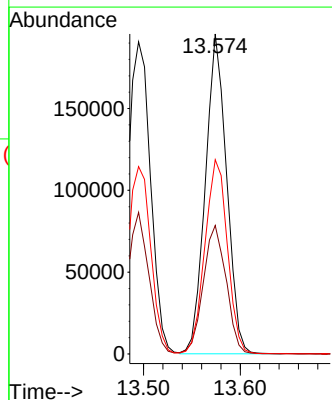
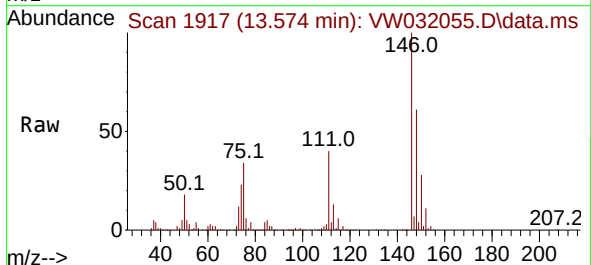
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

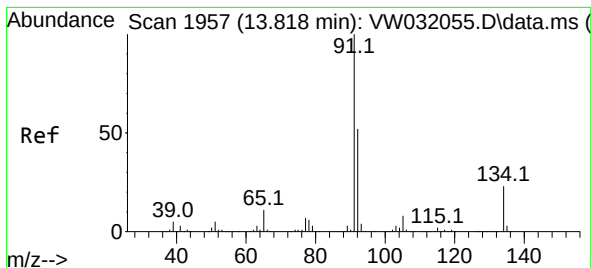
Tgt Ion:146 Resp: 313624
Ion Ratio Lower Upper
146 100
111 42.4 21.2 63.6
148 60.5 30.3 90.8



#88
1,4-Dichlorobenzene
Concen: 49.844 ug/l
RT: 13.574 min Scan# 1917
Delta R.T. 0.000 min
Lab File: VW032055.D
Acq: 11 Aug 2025 10:09

Tgt Ion:146 Resp: 299453
Ion Ratio Lower Upper
146 100
111 43.1 21.6 64.6
148 64.1 32.0 96.2

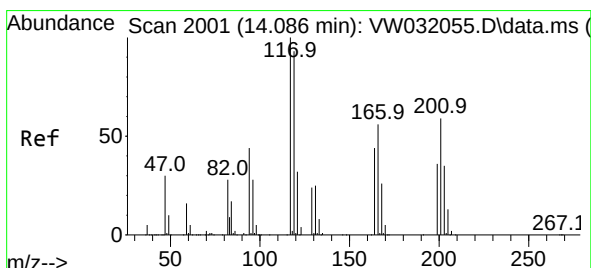
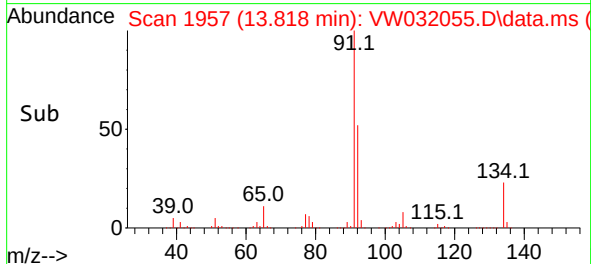
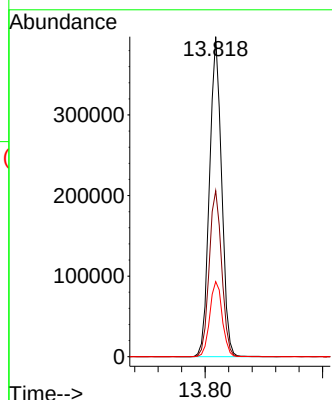
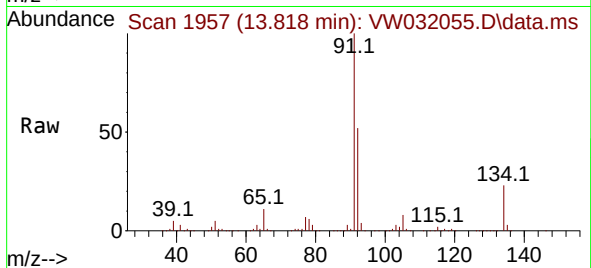




#89
n-Butylbenzene
Concen: 52.756 ug/l
RT: 13.818 min Scan# 1957
Delta R.T. 0.000 min
Lab File: VW032055.D
Acq: 11 Aug 2025 10:09

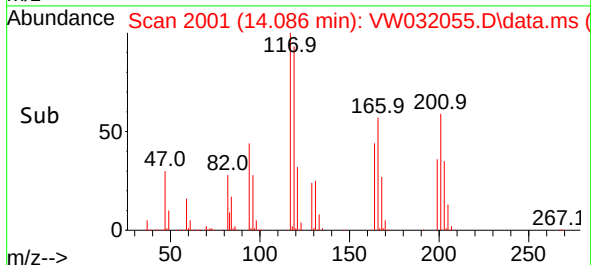
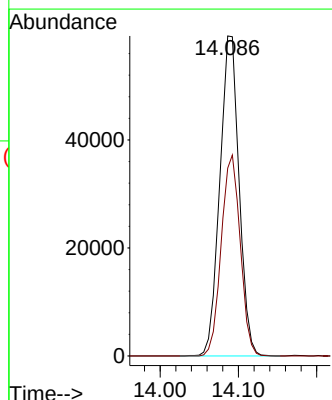
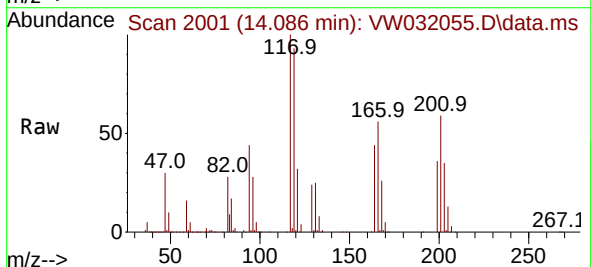
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

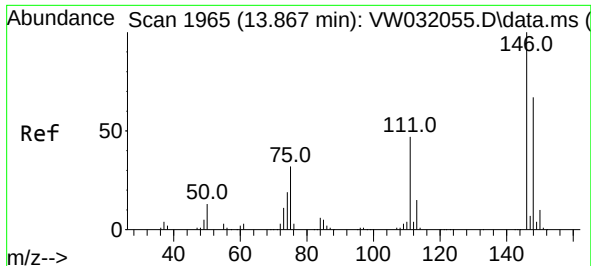
Tgt Ion: 91 Resp: 569364
Ion Ratio Lower Upper
91 100
92 53.4 26.7 80.1
134 24.1 12.0 36.1



#90
Hexachloroethane
Concen: 49.942 ug/l
RT: 14.086 min Scan# 2001
Delta R.T. 0.000 min
Lab File: VW032055.D
Acq: 11 Aug 2025 10:09

Tgt Ion: 117 Resp: 101464
Ion Ratio Lower Upper
117 100
201 61.7 30.9 92.5





#91

1,2-Dichlorobenzene

Concen: 50.801 ug/l

RT: 13.867 min Scan# 1965

Delta R.T. 0.000 min

Lab File: VW032055.D

Acq: 11 Aug 2025 10:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

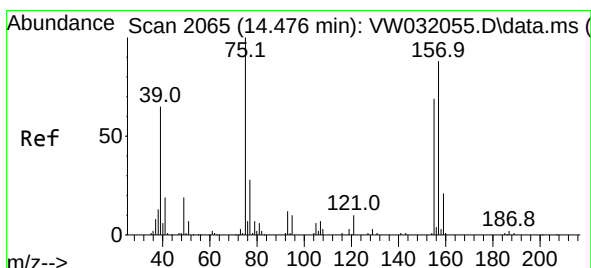
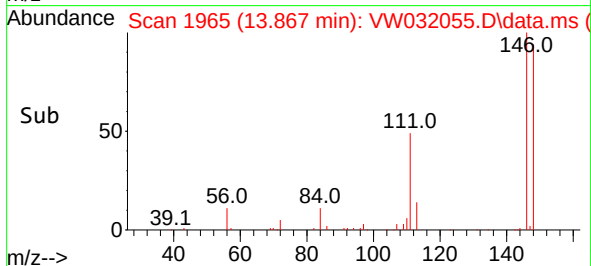
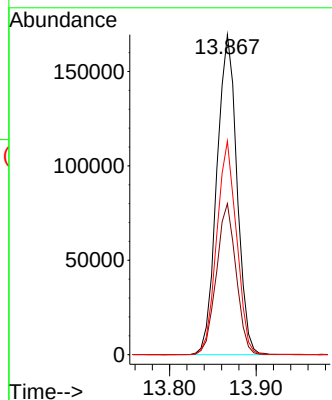
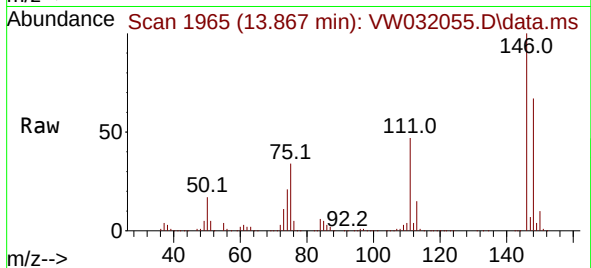
Tgt Ion:146 Resp: 273581

Ion Ratio Lower Upper

146 100

111 46.2 23.1 69.3

148 65.7 32.9 98.6



#92

1,2-Dibromo-3-Chloropropane

Concen: 53.857 ug/l

RT: 14.476 min Scan# 2065

Delta R.T. 0.000 min

Lab File: VW032055.D

Acq: 11 Aug 2025 10:09

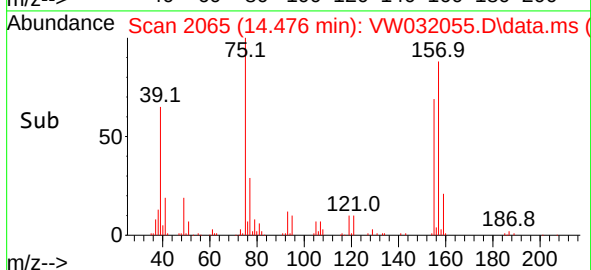
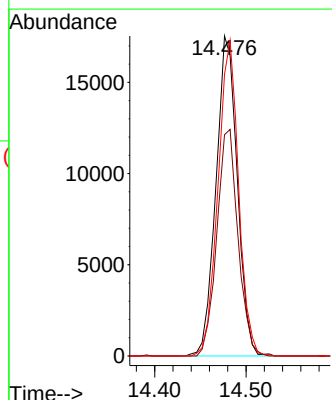
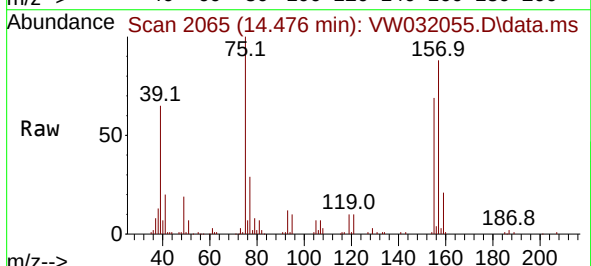
Tgt Ion: 75 Resp: 28437

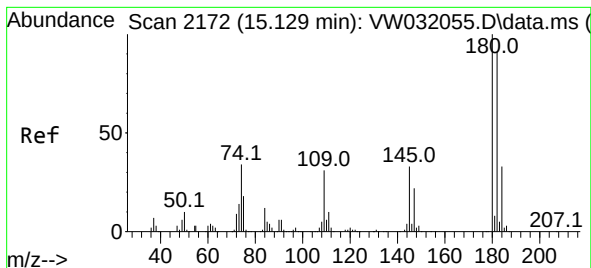
Ion Ratio Lower Upper

75 100

155 70.4 35.2 105.6

157 95.1 47.5 142.6

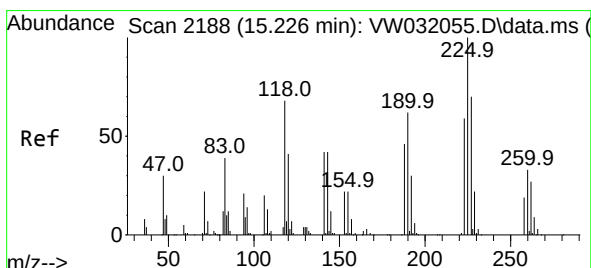
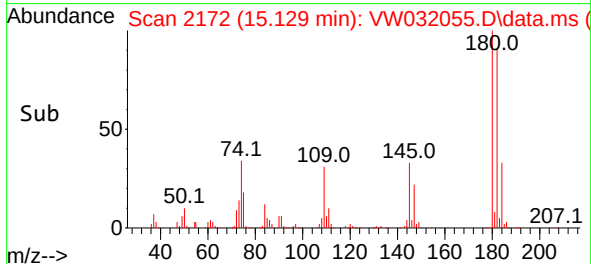
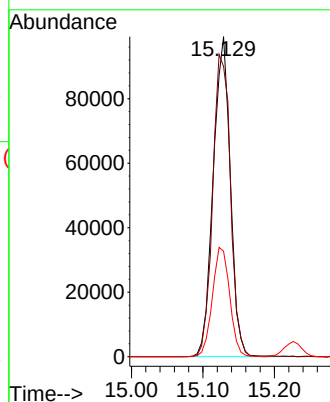
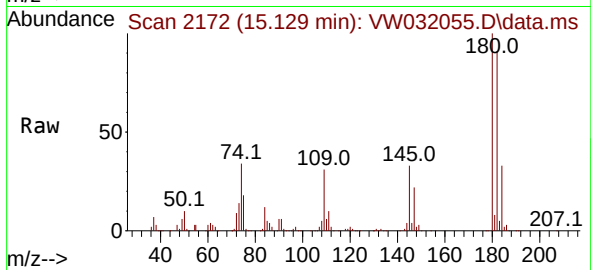




#93
1,2,4-Trichlorobenzene
Concen: 51.132 ug/l
RT: 15.129 min Scan# 2172
Delta R.T. 0.000 min
Lab File: VW032055.D
Acq: 11 Aug 2025 10:09

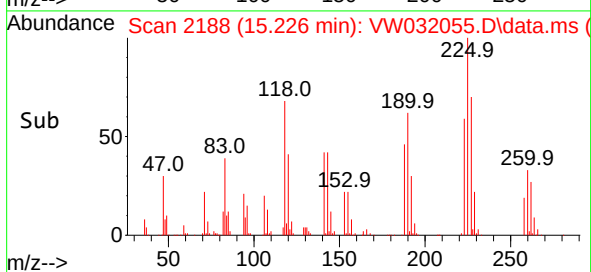
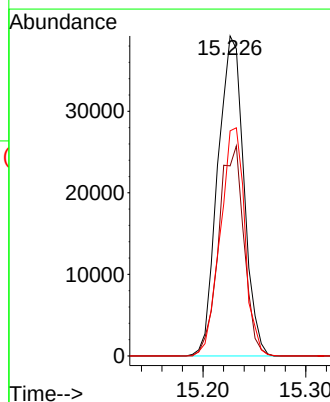
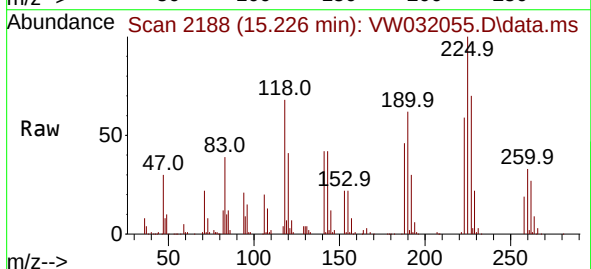
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

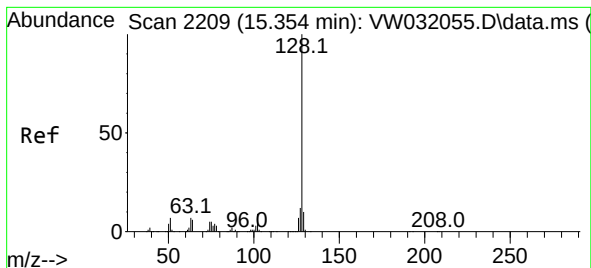
Tgt Ion:180 Resp: 164726
Ion Ratio Lower Upper
180 100
182 98.0 49.0 147.0
145 34.6 17.3 51.9



#94
Hexachlorobutadiene
Concen: 47.902 ug/l
RT: 15.226 min Scan# 2188
Delta R.T. 0.000 min
Lab File: VW032055.D
Acq: 11 Aug 2025 10:09

Tgt Ion:225 Resp: 68983
Ion Ratio Lower Upper
225 100
223 63.5 31.8 95.3
227 67.0 33.5 100.5





#95

Naphthalene

Concen: 55.099 ug/l

RT: 15.354 min Scan# 2209

Delta R.T. 0.000 min

Lab File: VW032055.D

Acq: 11 Aug 2025 10:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

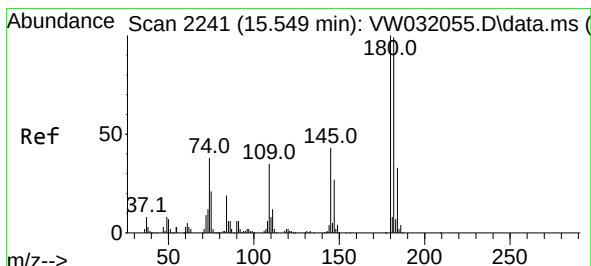
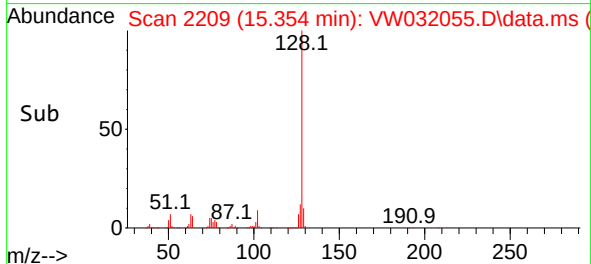
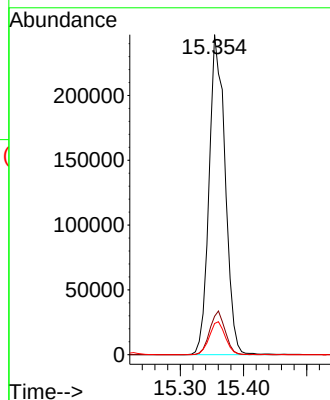
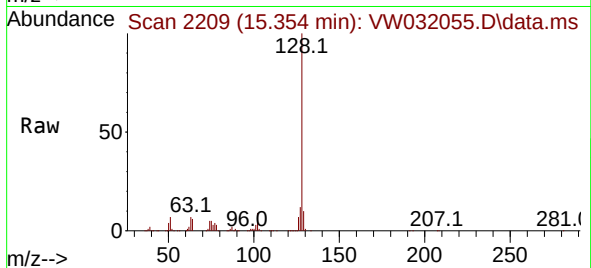
Tgt Ion:128 Resp: 434944

Ion Ratio Lower Upper

128 100

127 13.1 10.5 15.7

129 10.3 8.2 12.4



#96

1,2,3-Trichlorobenzene

Concen: 51.022 ug/l

RT: 15.549 min Scan# 2241

Delta R.T. 0.000 min

Lab File: VW032055.D

Acq: 11 Aug 2025 10:09

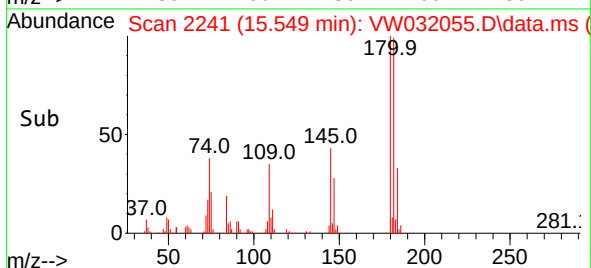
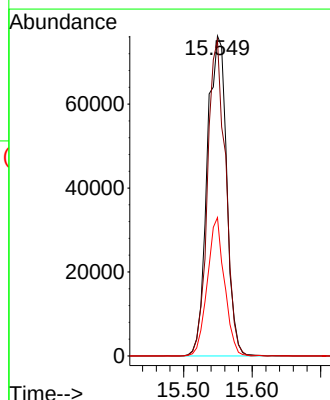
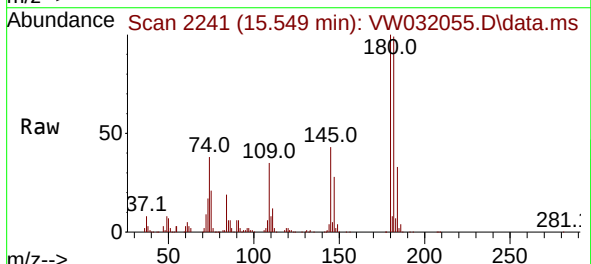
Tgt Ion:180 Resp: 149556

Ion Ratio Lower Upper

180 100

182 92.0 46.0 138.0

145 38.4 19.2 57.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081125\
 Data File : VW032056.D
 Acq On : 11 Aug 2025 10:46
 Operator : SY/MD
 Sample : VSTDICC100
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC100

Quant Time: Aug 12 03:39:28 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 12 03:34:13 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.965	168	221384	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	424901	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	387705	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	180763	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.313	65	315411	98.509	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	= 197.020%#	
35) Dibromofluoromethane	7.898	113	266117	96.945	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	= 193.900%#	
50) Toluene-d8	10.325	98	1005940	99.078	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	= 198.160%#	
62) 4-Bromofluorobenzene	12.617	95	372416	99.536	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	= 199.080%#	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.040	85	140330	88.627	ug/l	100
3) Chloromethane	2.253	50	200261	93.894	ug/l	99
4) Vinyl Chloride	2.405	62	239040	92.654	ug/l	94
5) Bromomethane	2.820	94	182687	94.386	ug/l	96
6) Chloroethane	2.966	64	164961	96.628	ug/l	98
7) Trichlorofluoromethane	3.295	101	182663	88.382	ug/l	96
8) Diethyl Ether	3.716	74	164632	97.227	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.100	101	224293	91.988	ug/l	100
10) Methyl Iodide	4.301	142	336162	97.237	ug/l	99
11) Tert butyl alcohol	5.216	59	99671	480.735	ug/l	100
12) 1,1-Dichloroethene	4.070	96	251341	93.615	ug/l	92
13) Acrolein	3.923	56	148403	449.230	ug/l	100
14) Allyl chloride	4.698	41	385062	98.543	ug/l	99
15) Acrylonitrile	5.393	53	388290	481.445	ug/l	99
16) Acetone	4.155	43	328664	443.358	ug/l	100
17) Carbon Disulfide	4.417	76	693616	96.248	ug/l	97
18) Methyl Acetate	4.704	43	218695	93.230	ug/l	98
19) Methyl tert-butyl Ether	5.460	73	473924	100.184	ug/l	99
20) Methylene Chloride	4.954	84	285049	83.165	ug/l	98
21) trans-1,2-Dichloroethene	5.454	96	281466	98.787	ug/l	98
22) Diisopropyl ether	6.332	45	829703	100.722	ug/l	98
23) Vinyl Acetate	6.277	43	2803250	518.312	ug/l	100
24) 1,1-Dichloroethane	6.240	63	519360	98.678	ug/l	99
25) 2-Butanone	7.191	43	515739	489.508	ug/l	99
26) 2,2-Dichloropropane	7.185	77	249271	94.405	ug/l	100
27) cis-1,2-Dichloroethene	7.185	96	343091	103.016	ug/l	97
28) Bromochloromethane	7.526	49	230727	96.333	ug/l	100
29) Tetrahydrofuran	7.551	42	338578	487.284	ug/l	99
30) Chloroform	7.685	83	550232	98.613	ug/l	96
31) Cyclohexane	7.965	56	416558	91.292	ug/l	96
32) 1,1,1-Trichloroethane	7.880	97	384671	94.913	ug/l	99
36) 1,1-Dichloropropene	8.093	75	373215	96.444	ug/l	99
37) Ethyl Acetate	7.270	43	221929	97.375	ug/l	99
38) Carbon Tetrachloride	8.081	117	362373	97.035	ug/l	91
39) Methylcyclohexane	9.337	83	459134	97.342	ug/l	97
40) Benzene	8.331	78	1160107	96.444	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081125\
 Data File : VW032056.D
 Acq On : 11 Aug 2025 10:46
 Operator : SY/MD
 Sample : VSTDICC100
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC100

Quant Time: Aug 12 03:39:28 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 12 03:34:13 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.496	41	135773	105.048	ug/l	97
42) 1,2-Dichloroethane	8.410	62	364674	94.743	ug/l	100
43) Isopropyl Acetate	8.435	43	413211	98.543	ug/l	99
44) Trichloroethene	9.093	130	270995	94.602	ug/l	99
45) 1,2-Dichloropropane	9.374	63	278124	95.707	ug/l	99
46) Dibromomethane	9.465	93	177966	94.888	ug/l	98
47) Bromodichloromethane	9.648	83	422958	97.867	ug/l	98
48) Methyl methacrylate	9.441	41	202632	100.098	ug/l	98
49) 1,4-Dioxane	9.459	88	46383	1912.696	ug/l	99
51) 4-Methyl-2-Pentanone	10.209	43	1127080	476.209	ug/l	99
52) Toluene	10.386	92	753592	99.464	ug/l	96
53) t-1,3-Dichloropropene	10.605	75	410734	101.442	ug/l	95
54) cis-1,3-Dichloropropene	10.075	75	468972	102.096	ug/l	98
55) 1,1,2-Trichloroethane	10.788	97	239507	96.099	ug/l	97
56) Ethyl methacrylate	10.642	69	348446	104.477	ug/l	99
57) 1,3-Dichloropropane	10.934	76	412949	95.056	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.928	63	948129	513.956	ug/l	99
59) 2-Hexanone	10.965	43	793810	484.283	ug/l	99
60) Dibromochloromethane	11.129	129	282060	99.074	ug/l	99
61) 1,2-Dibromoethane	11.233	107	240542	99.317	ug/l	99
64) Tetrachloroethene	10.867	164	213297	95.247	ug/l	94
65) Chlorobenzene	11.654	112	808609	95.819	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.727	131	253284	96.197	ug/l	97
67) Ethyl Benzene	11.727	91	1418619	99.243	ug/l	96
68) m/p-Xylenes	11.837	106	1089143	197.459	ug/l	97
69) o-Xylene	12.166	106	523329	102.652	ug/l	97
70) Styrene	12.178	104	916019	101.158	ug/l	100
71) Bromoform	12.349	173	145781	96.794	ug/l #	92
73) Isopropylbenzene	12.458	105	1299533	102.870	ug/l	100
74) N-amyl acetate	12.269	43	378722	104.494	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.708	83	286977	95.677	ug/l	99
76) 1,2,3-Trichloropropane	12.763	75	363264	130.728	ug/l	61
77) Bromobenzene	12.745	156	311049	103.091	ug/l	96
78) n-propylbenzene	12.800	91	1589147	102.177	ug/l	99
79) 2-Chlorotoluene	12.891	91	974324	101.505	ug/l	99
80) 1,3,5-Trimethylbenzene	12.940	105	1092987	101.912	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.507	75	98906	104.370	ug/l	98
82) 4-Chlorotoluene	12.983	91	1013836	99.412	ug/l	99
83) tert-Butylbenzene	13.202	119	922044	103.591	ug/l	98
84) 1,2,4-Trimethylbenzene	13.245	105	1089327	99.778	ug/l	96
85) sec-Butylbenzene	13.379	105	1372324	101.978	ug/l	98
86) p-Isopropyltoluene	13.495	119	1128935	100.630	ug/l	99
87) 1,3-Dichlorobenzene	13.495	146	572145	95.298	ug/l	96
88) 1,4-Dichlorobenzene	13.574	146	587417	96.819	ug/l	99
89) n-Butylbenzene	13.818	91	1103362	101.235	ug/l	99
90) Hexachloroethane	14.086	117	204823	99.832	ug/l	99
91) 1,2-Dichlorobenzene	13.867	146	524204	96.387	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.476	75	50993	95.632	ug/l	97
93) 1,2,4-Trichlorobenzene	15.129	180	338661	104.094	ug/l	97
94) Hexachlorobutadiene	15.226	225	138434	95.189	ug/l	98
95) Naphthalene	15.360	128	841296	105.533	ug/l	99
96) 1,2,3-Trichlorobenzene	15.549	180	313033	105.748	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081125\
Data File : VW032056.D
Acq On : 11 Aug 2025 10:46
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

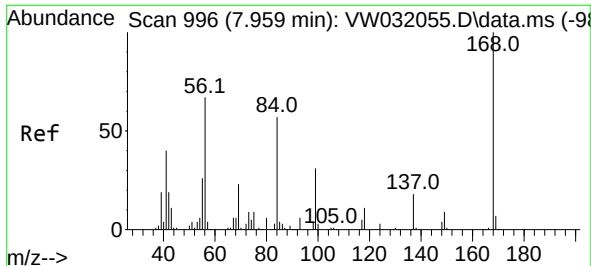
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Quant Title : SW846 8260
QLast Update : Tue Aug 12 03:34:13 2025
Response via : Initial Calibration

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

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

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16
- 17
- 18
- 19

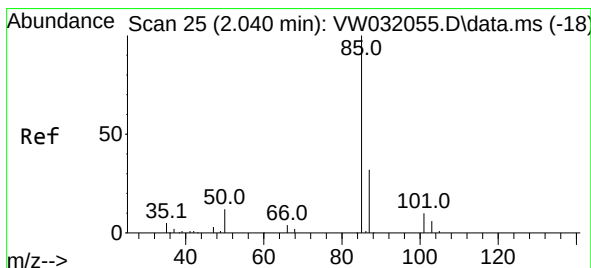
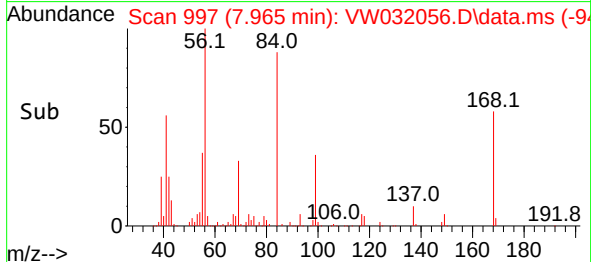
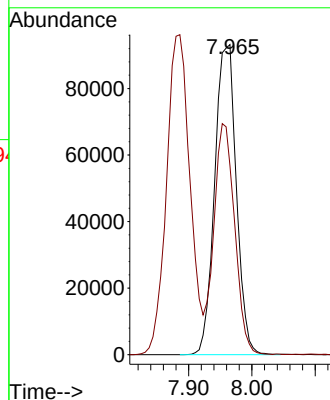
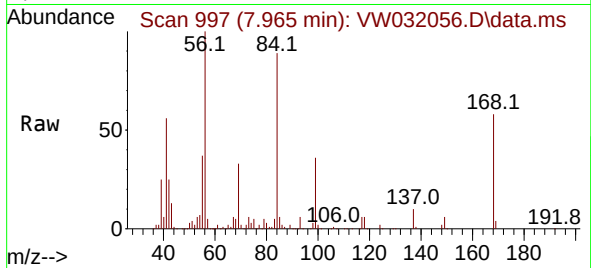
[illegible]



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 99
Delta R.T. 0.006 min
Lab File: VW032056.D
Acq: 11 Aug 2025 10:46

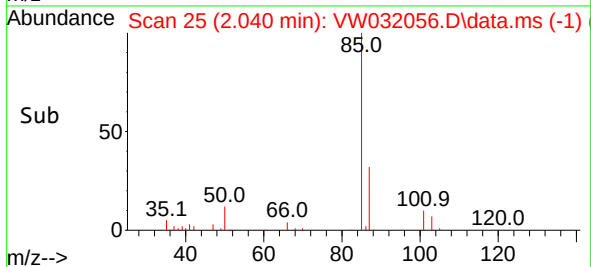
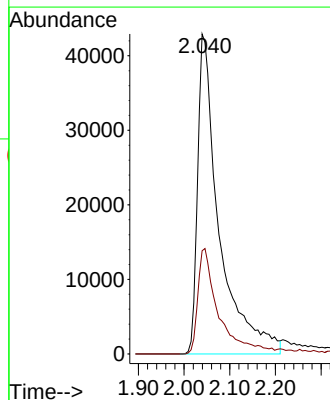
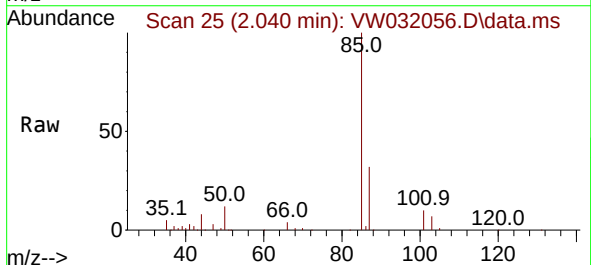
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

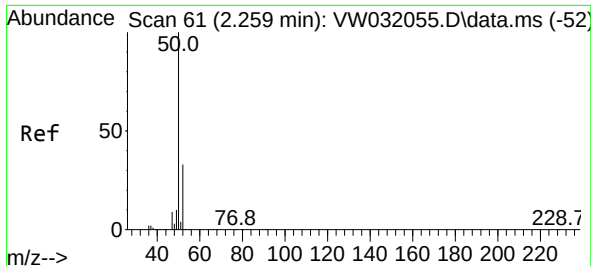
Tgt Ion:168 Resp: 221384
Ion Ratio Lower Upper
168 100
99 60.8 56.0 84.0



#2
Dichlorodifluoromethane
Concen: 88.627 ug/l
RT: 2.040 min Scan# 25
Delta R.T. -0.000 min
Lab File: VW032056.D
Acq: 11 Aug 2025 10:46

Tgt Ion: 85 Resp: 140330
Ion Ratio Lower Upper
85 100
87 32.3 16.2 48.6

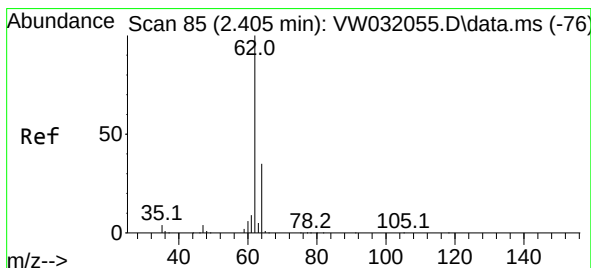
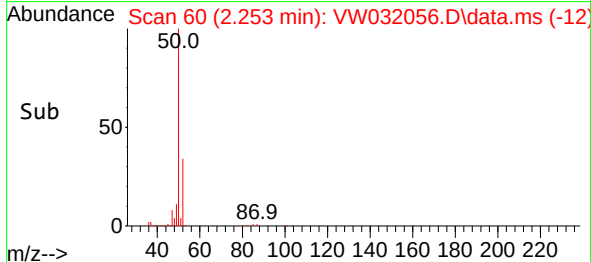
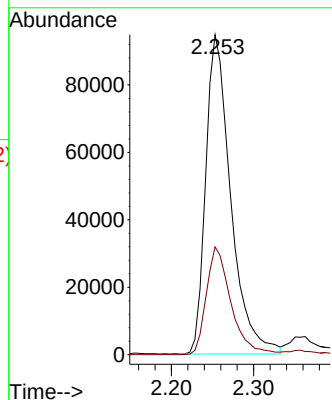
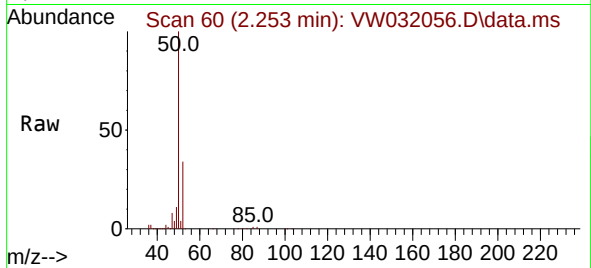




#3
Chloromethane
Concen: 93.894 ug/l
RT: 2.253 min Scan# 60
Delta R.T. -0.006 min
Lab File: VW032056.D
Acq: 11 Aug 2025 10:46

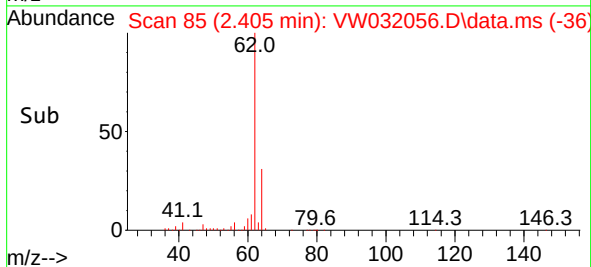
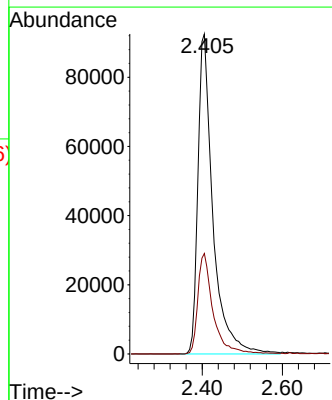
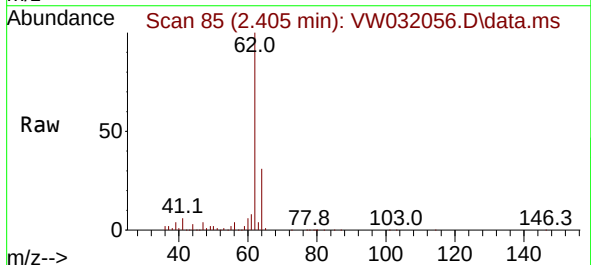
Instrument :
MSVOA_W
ClientSampleId :
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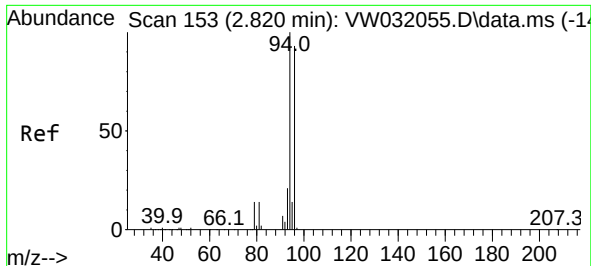
Tgt Ion: 50 Resp: 200261
Ion Ratio Lower Upper
50 100
52 33.8 26.6 39.8



#4
Vinyl Chloride
Concen: 92.654 ug/l
RT: 2.405 min Scan# 85
Delta R.T. 0.000 min
Lab File: VW032056.D
Acq: 11 Aug 2025 10:46

Tgt Ion: 62 Resp: 239040
Ion Ratio Lower Upper
62 100
64 31.3 27.8 41.6

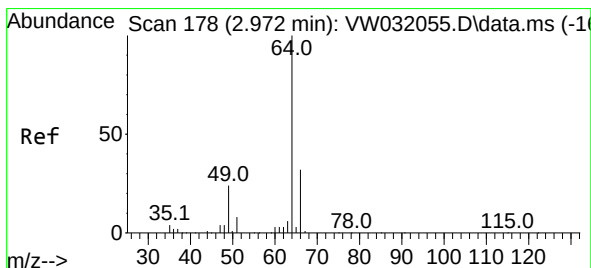
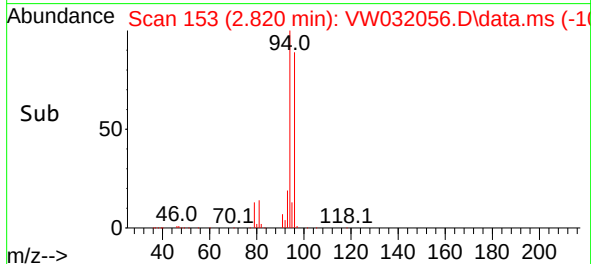
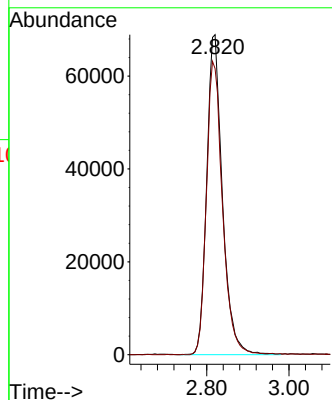
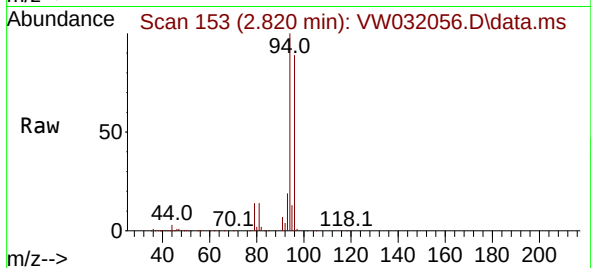




#5
Bromomethane
Concen: 94.386 ug/l
RT: 2.820 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW032056.D
Acq: 11 Aug 2025 10:46

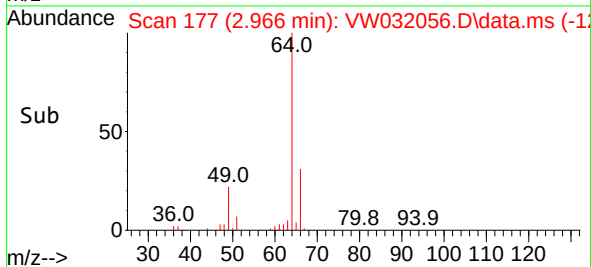
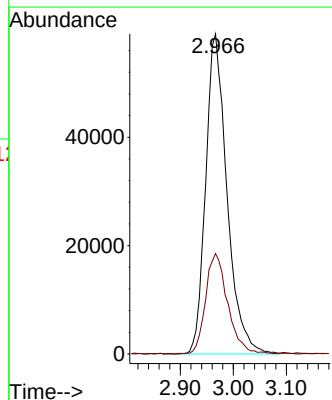
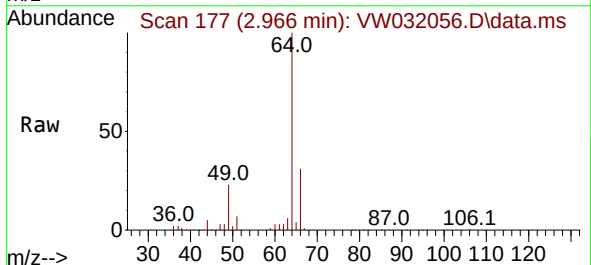
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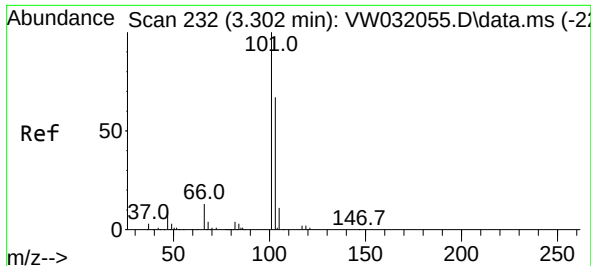
Tgt Ion: 94 Resp: 182687
Ion Ratio Lower Upper
94 100
96 89.4 74.7 112.1



#6
Chloroethane
Concen: 96.628 ug/l
RT: 2.966 min Scan# 177
Delta R.T. -0.006 min
Lab File: VW032056.D
Acq: 11 Aug 2025 10:46

Tgt Ion: 64 Resp: 164961
Ion Ratio Lower Upper
64 100
66 31.1 26.0 39.0

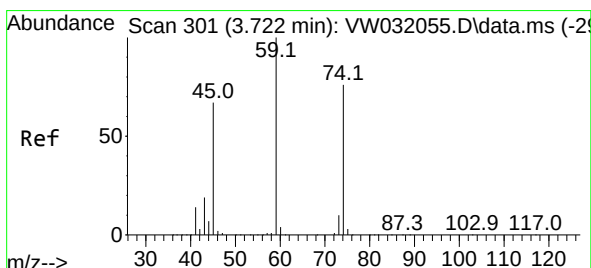
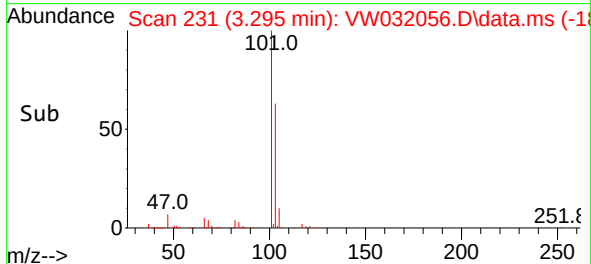
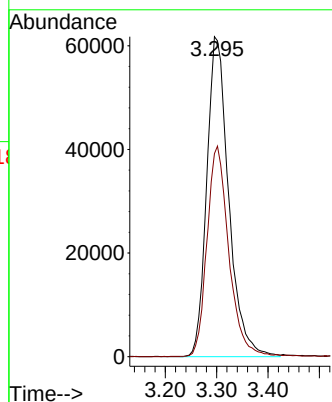
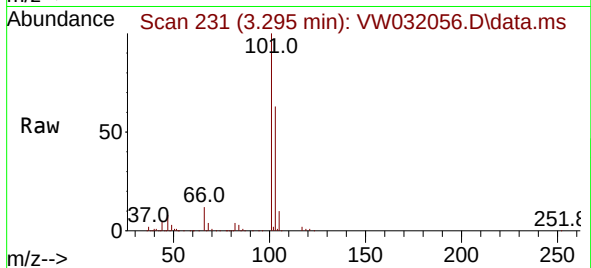




#7
 Trichlorofluoromethane
 Concen: 88.382 ug/l
 RT: 3.295 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VW032056.D
 Acq: 11 Aug 2025 10:46

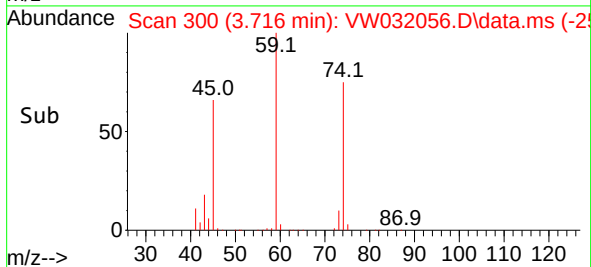
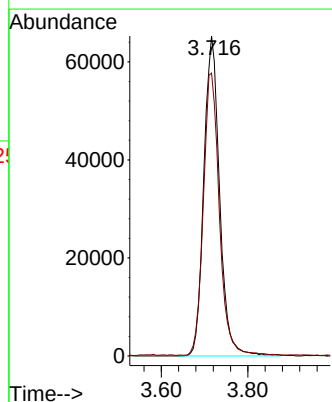
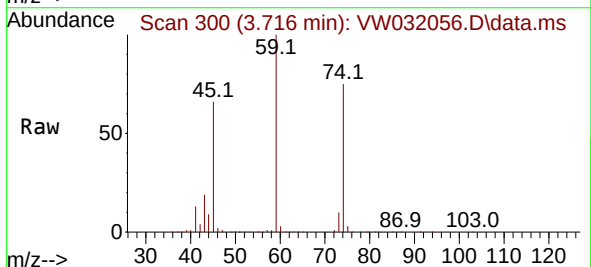
Instrument :
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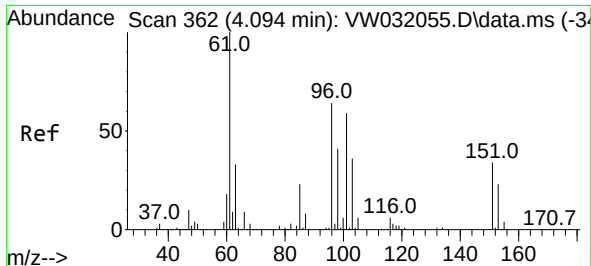
Tgt Ion:101 Resp: 182663
 Ion Ratio Lower Upper
 101 100
 103 63.3 53.4 80.0



#8
 Diethyl Ether
 Concen: 97.227 ug/l
 RT: 3.716 min Scan# 300
 Delta R.T. -0.006 min
 Lab File: VW032056.D
 Acq: 11 Aug 2025 10:46

Tgt Ion: 74 Resp: 164632
 Ion Ratio Lower Upper
 74 100
 45 90.1 45.4 136.2

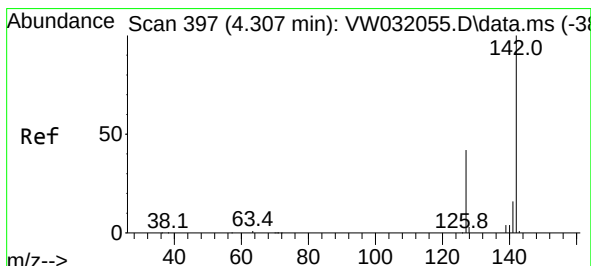
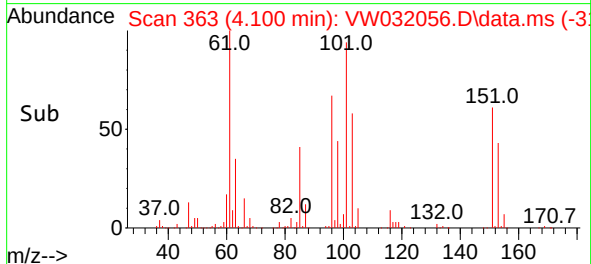
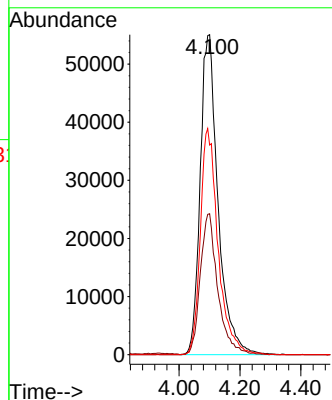
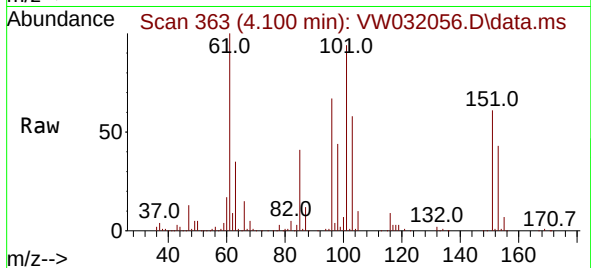




#9
1,1,2-Trichlorotrifluoroethane
Concen: 91.988 ug/l
RT: 4.100 min Scan# 363
Delta R.T. 0.006 min
Lab File: VW032056.D
Acq: 11 Aug 2025 10:46

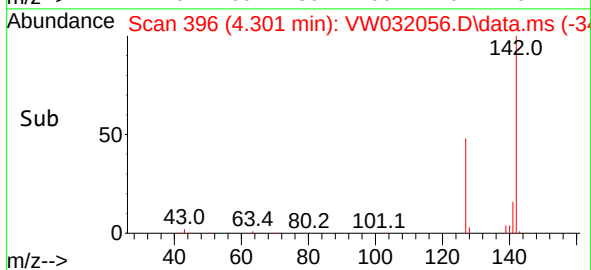
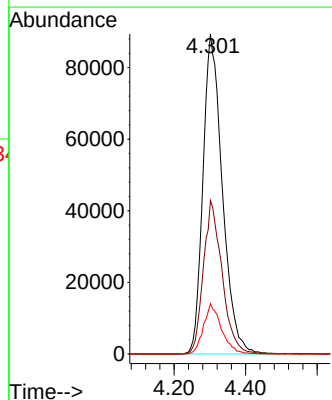
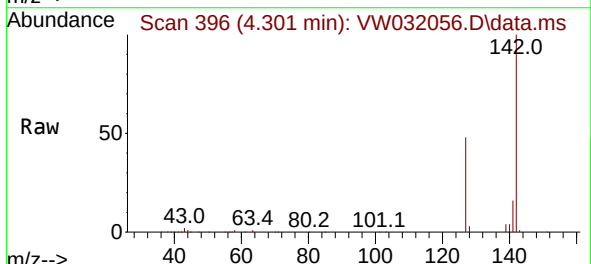
Instrument :
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ClientSampleId :
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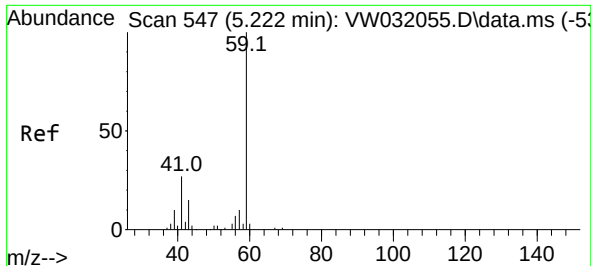
Tgt Ion:101 Resp: 224293
Ion Ratio Lower Upper
101 100
85 43.3 34.9 52.3
151 70.2 56.2 84.4



#10
Methyl Iodide
Concen: 97.237 ug/l
RT: 4.301 min Scan# 396
Delta R.T. -0.006 min
Lab File: VW032056.D
Acq: 11 Aug 2025 10:46

Tgt Ion:142 Resp: 336162
Ion Ratio Lower Upper
142 100
127 46.2 36.6 55.0
141 14.5 12.1 18.1

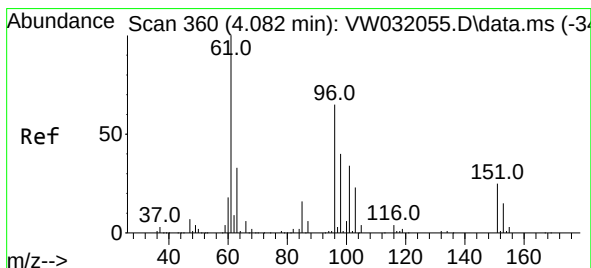
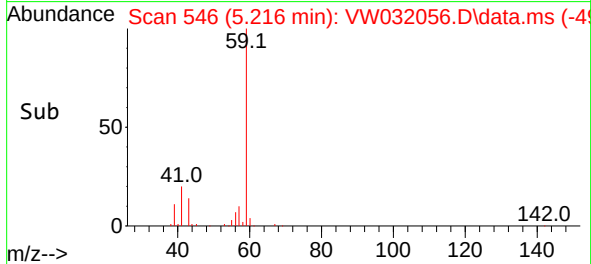
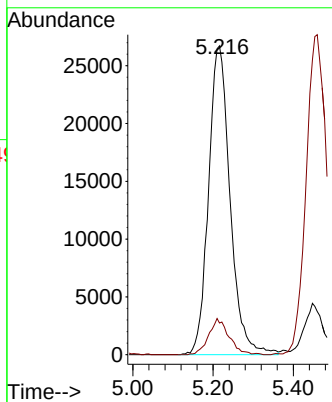
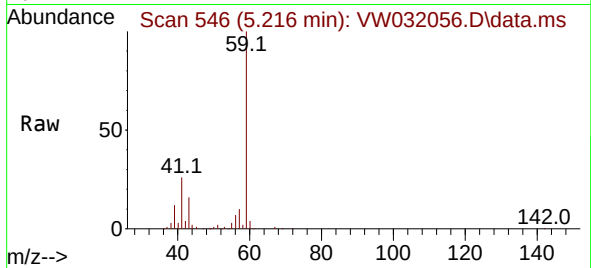




#11
Tert butyl alcohol
Concen: 480.735 ug/l
RT: 5.216 min Scan# 54
Delta R.T. -0.006 min
Lab File: VW032056.D
Acq: 11 Aug 2025 10:46

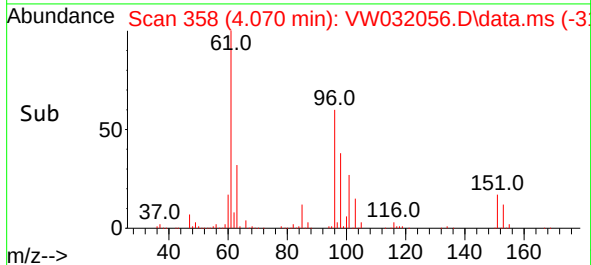
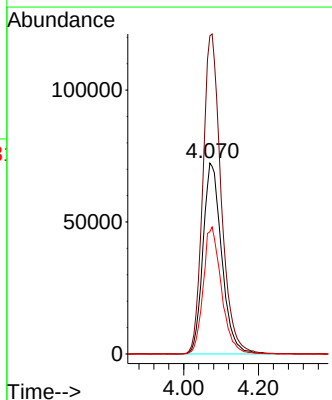
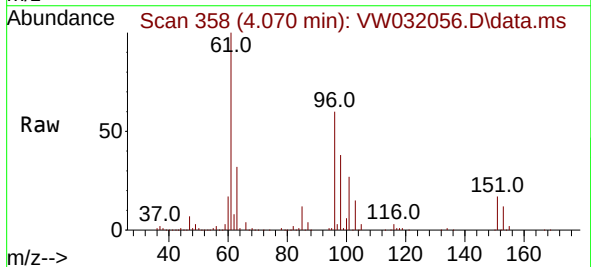
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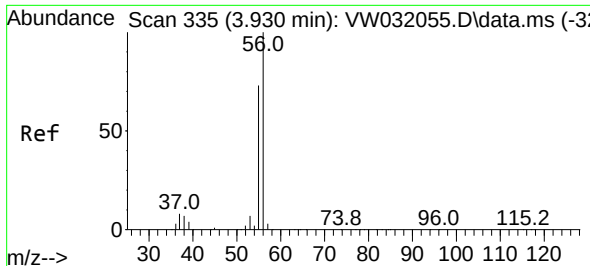
Tgt Ion: 59 Resp: 99671
Ion Ratio Lower Upper
59 100
57 10.9 8.7 13.1



#12
1,1-Dichloroethene
Concen: 93.615 ug/l
RT: 4.070 min Scan# 358
Delta R.T. -0.012 min
Lab File: VW032056.D
Acq: 11 Aug 2025 10:46

Tgt Ion: 96 Resp: 251341
Ion Ratio Lower Upper
96 100
61 166.5 123.4 185.2
98 64.0 49.5 74.3

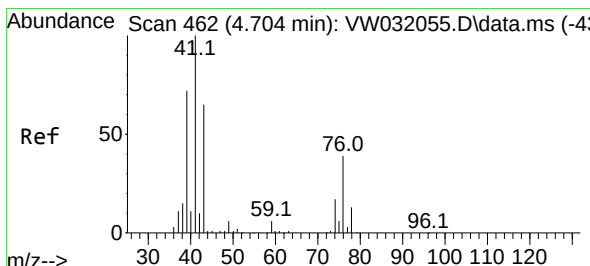
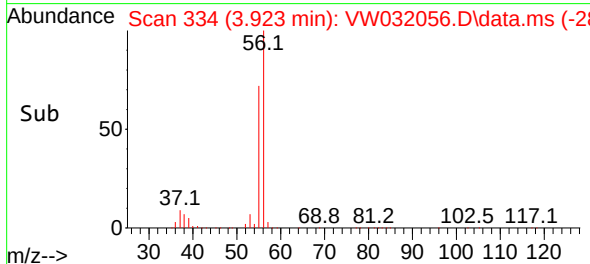
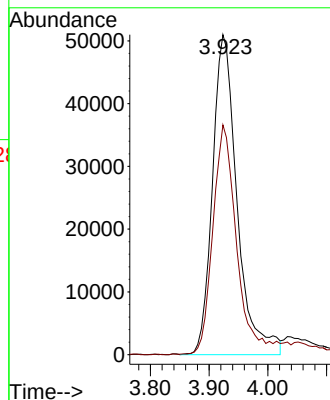
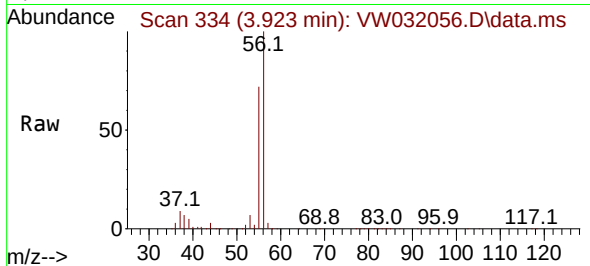




#13
Acrolein
Concen: 449.230 ug/l
RT: 3.923 min Scan# 31
Delta R.T. -0.006 min
Lab File: VW032056.D
Acq: 11 Aug 2025 10:46

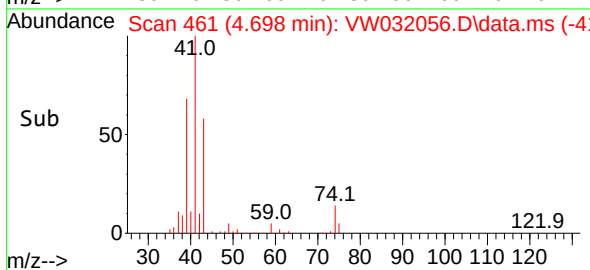
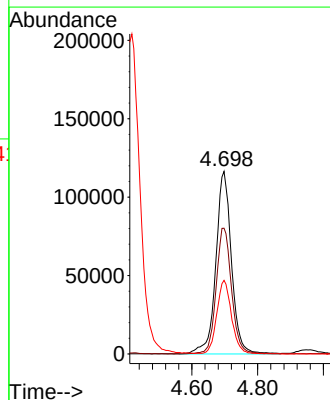
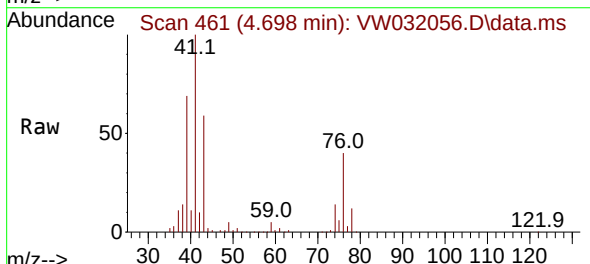
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ClientSampleId :
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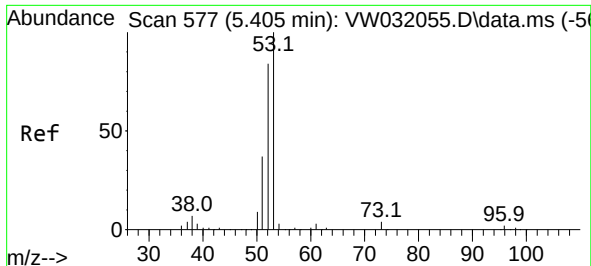
Tgt Ion: 56 Resp: 148403
Ion Ratio Lower Upper
56 100
55 69.0 55.4 83.2



#14
Allyl chloride
Concen: 98.543 ug/l
RT: 4.698 min Scan# 461
Delta R.T. -0.006 min
Lab File: VW032056.D
Acq: 11 Aug 2025 10:46

Tgt Ion: 41 Resp: 385062
Ion Ratio Lower Upper
41 100
39 67.5 54.5 81.7
76 37.8 29.3 43.9

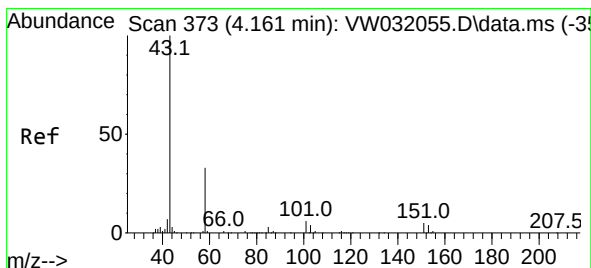
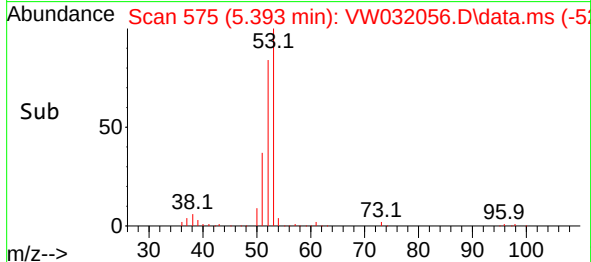
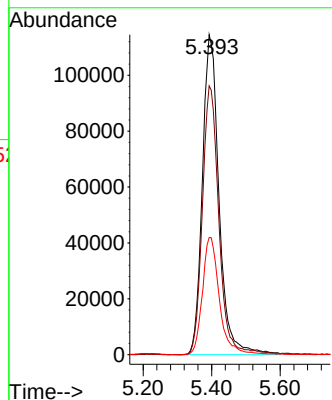
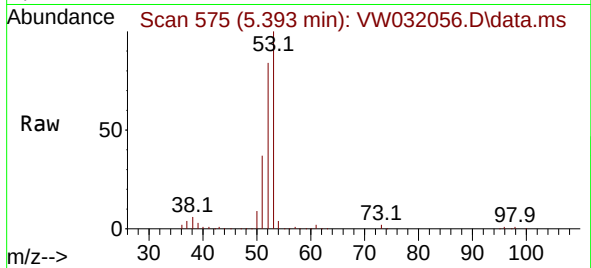




#15
Acrylonitrile
Concen: 481.445 ug/l
RT: 5.393 min Scan# 51
Delta R.T. -0.012 min
Lab File: VW032056.D
Acq: 11 Aug 2025 10:46

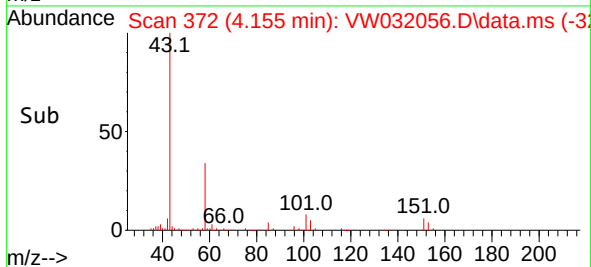
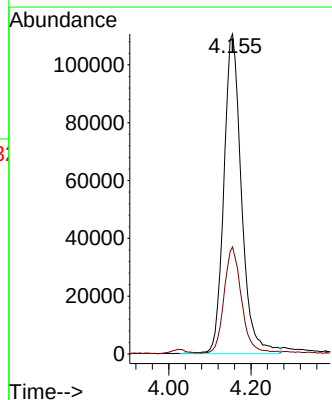
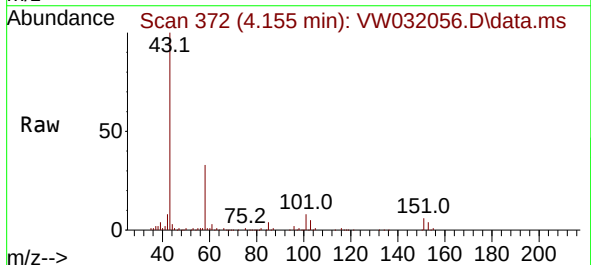
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

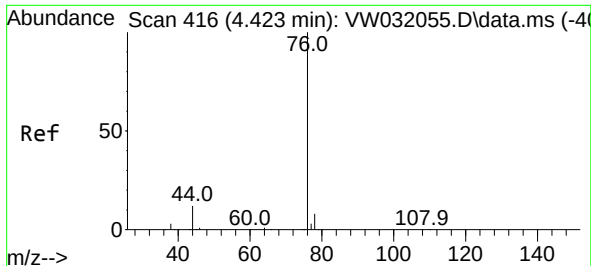
Tgt Ion: 53 Resp: 388290
Ion Ratio Lower Upper
53 100
52 83.3 66.1 99.1
51 37.3 29.2 43.8



#16
Acetone
Concen: 443.358 ug/l
RT: 4.155 min Scan# 372
Delta R.T. -0.006 min
Lab File: VW032056.D
Acq: 11 Aug 2025 10:46

Tgt Ion: 43 Resp: 328664
Ion Ratio Lower Upper
43 100
58 32.9 26.6 39.8

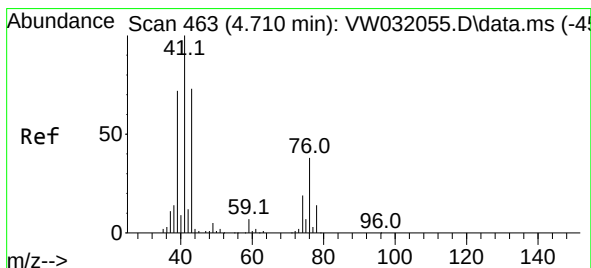
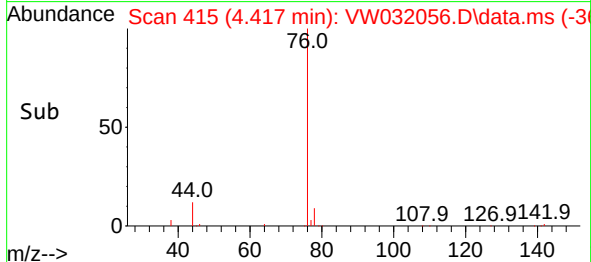
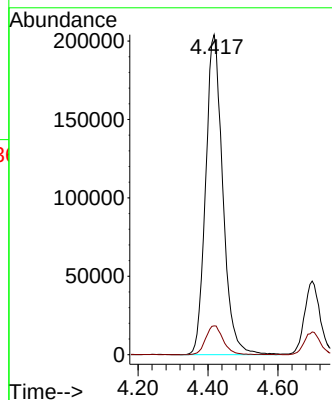
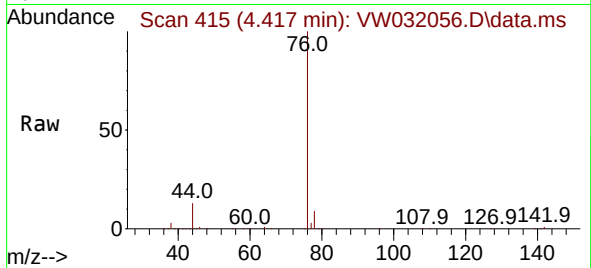




#17
Carbon Disulfide
Concen: 96.248 ug/l
RT: 4.417 min Scan# 416
Delta R.T. -0.006 min
Lab File: VW032056.D
Acq: 11 Aug 2025 10:46

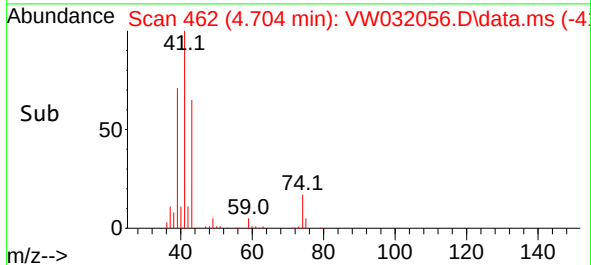
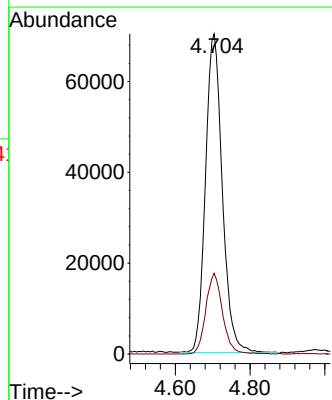
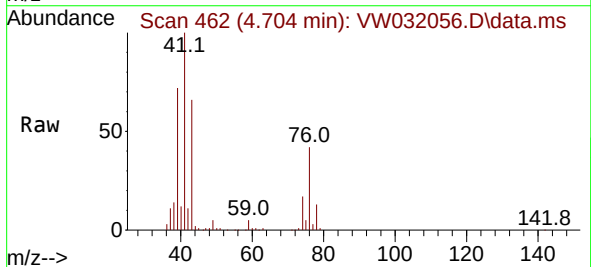
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

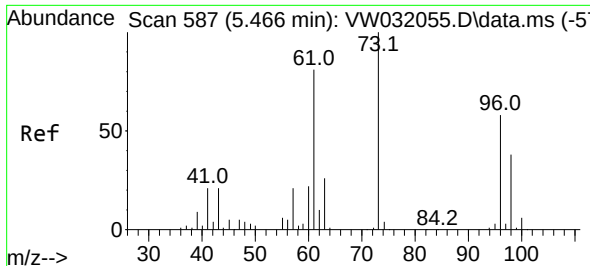
Tgt Ion: 76 Resp: 693616
Ion Ratio Lower Upper
76 100
78 9.0 6.4 9.6



#18
Methyl Acetate
Concen: 93.230 ug/l
RT: 4.704 min Scan# 462
Delta R.T. -0.006 min
Lab File: VW032056.D
Acq: 11 Aug 2025 10:46

Tgt Ion: 43 Resp: 218695
Ion Ratio Lower Upper
43 100
74 25.0 20.6 31.0

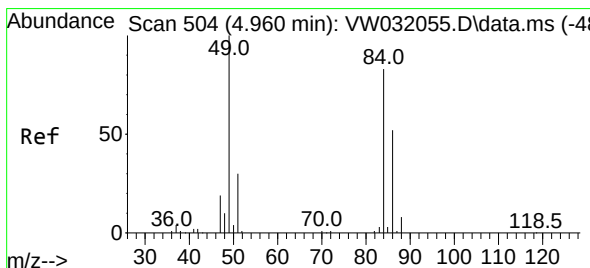
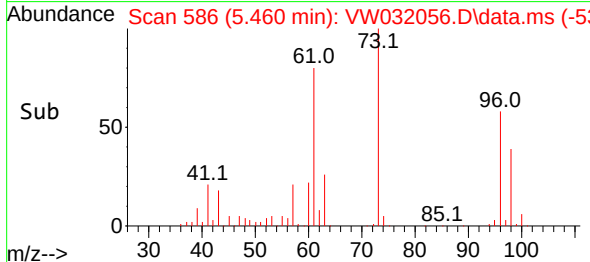
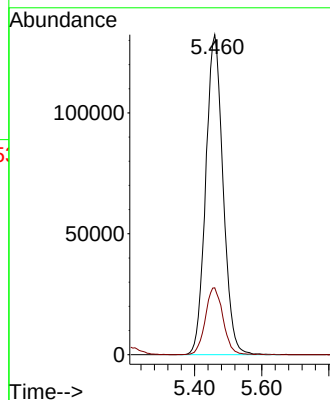
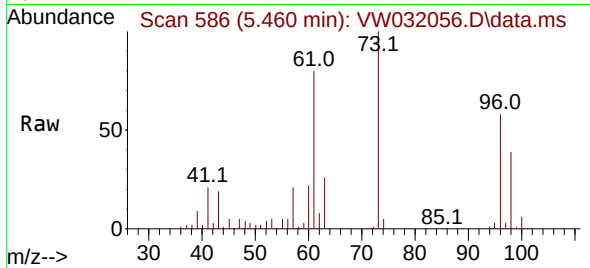




#19
Methyl tert-butyl Ether
Concen: 100.184 ug/l
RT: 5.460 min Scan# 51
Delta R.T. -0.006 min
Lab File: VW032056.D
Acq: 11 Aug 2025 10:46

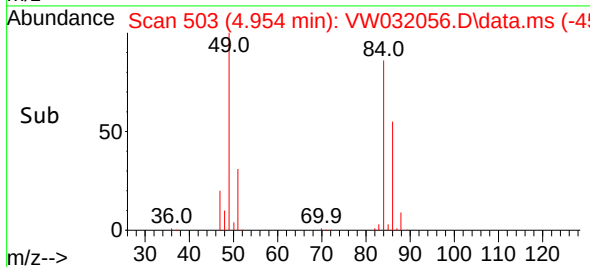
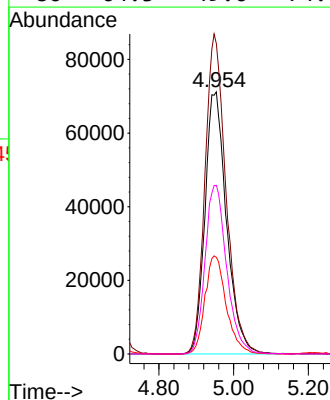
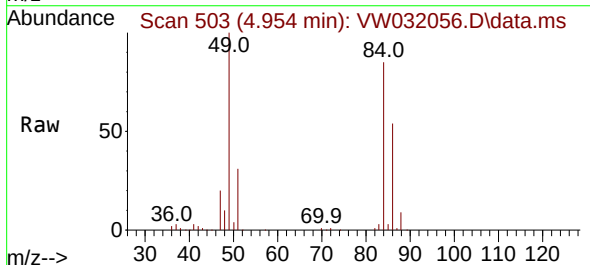
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

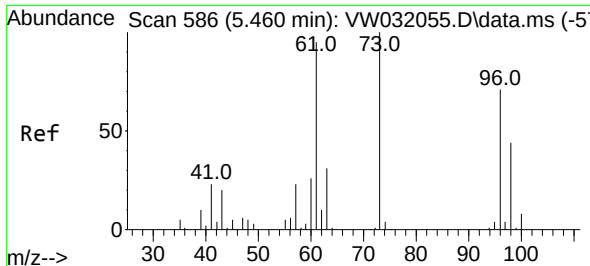
Tgt Ion: 73 Resp: 473924
Ion Ratio Lower Upper
73 100
57 20.9 17.2 25.8



#20
Methylene Chloride
Concen: 83.165 ug/l
RT: 4.954 min Scan# 503
Delta R.T. -0.006 min
Lab File: VW032056.D
Acq: 11 Aug 2025 10:46

Tgt Ion: 84 Resp: 285049
Ion Ratio Lower Upper
84 100
49 118.3 95.9 143.9
51 36.8 28.6 43.0
86 64.3 49.6 74.4

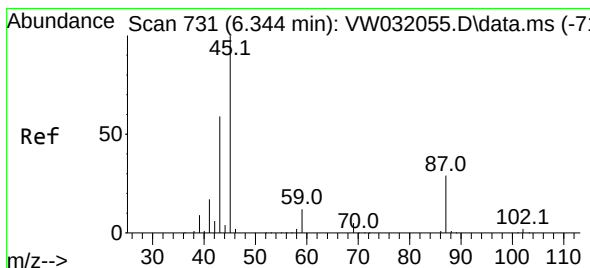
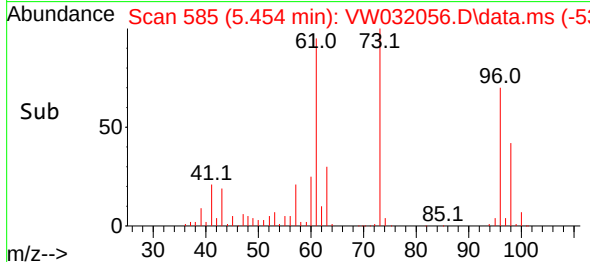
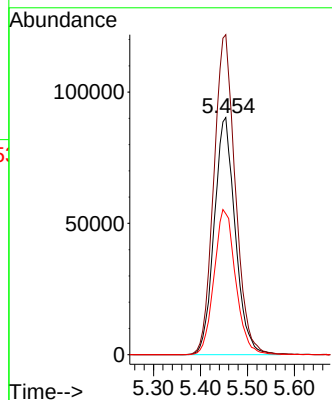
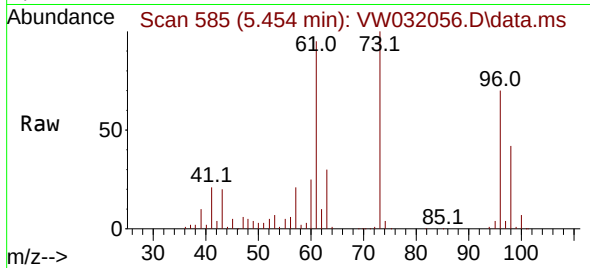




#21
trans-1,2-Dichloroethene
Concen: 98.787 ug/l
RT: 5.454 min Scan# 586
Delta R.T. -0.006 min
Lab File: VW032056.D
Acq: 11 Aug 2025 10:46

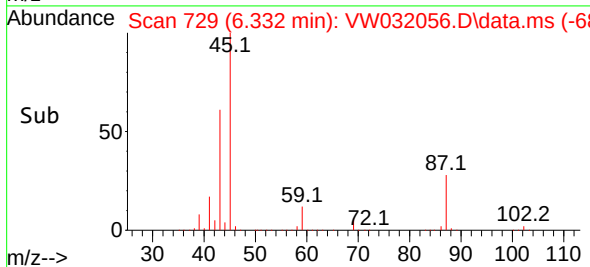
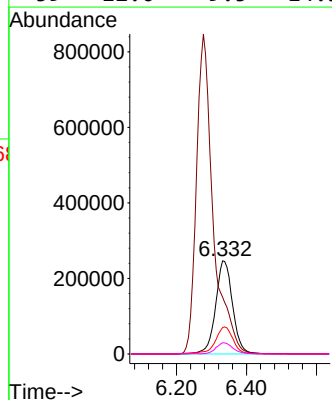
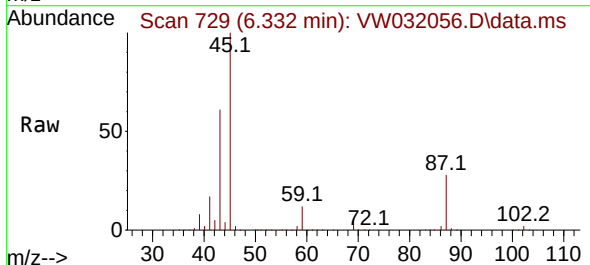
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

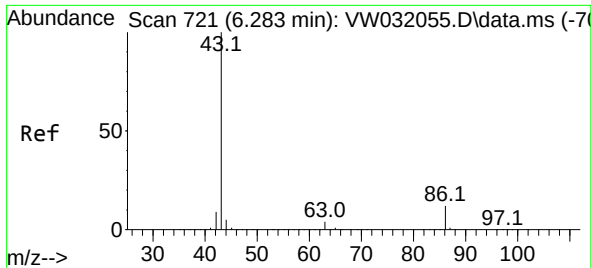
Tgt Ion: 96 Resp: 281466
Ion Ratio Lower Upper
96 100
61 135.0 106.8 160.2
98 59.5 49.6 74.4



#22
Diisopropyl ether
Concen: 100.722 ug/l
RT: 6.332 min Scan# 729
Delta R.T. -0.012 min
Lab File: VW032056.D
Acq: 11 Aug 2025 10:46

Tgt Ion: 45 Resp: 829703
Ion Ratio Lower Upper
45 100
43 60.8 47.0 70.4
87 28.3 23.8 35.8
59 12.0 9.5 14.3

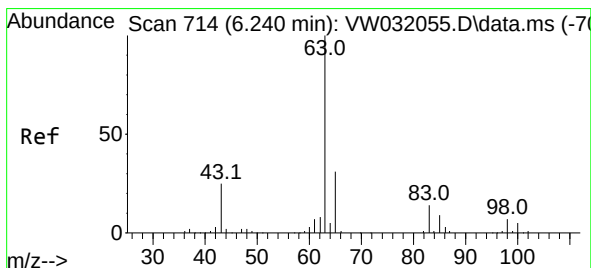
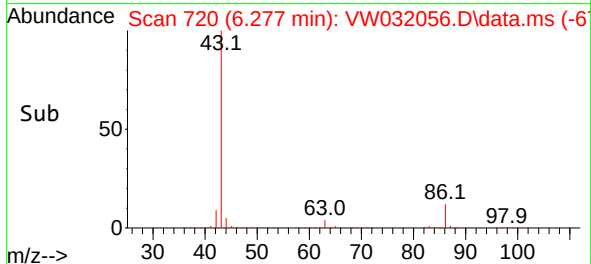
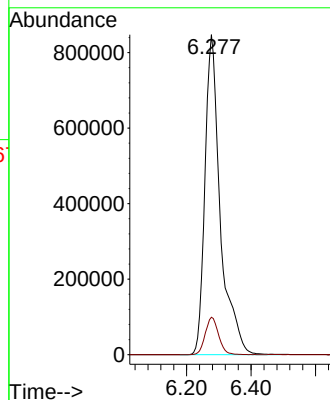
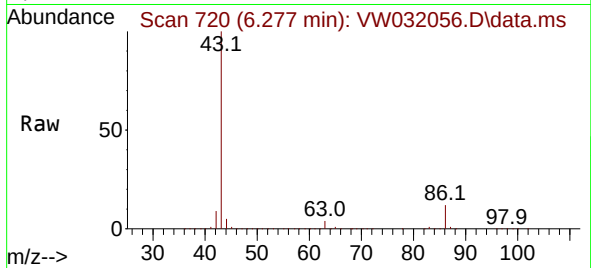




#23
 Vinyl Acetate
 Concen: 518.312 ug/l
 RT: 6.277 min Scan# 714
 Delta R.T. -0.006 min
 Lab File: VW032056.D
 Acq: 11 Aug 2025 10:46

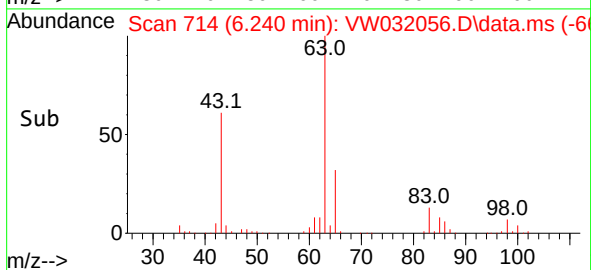
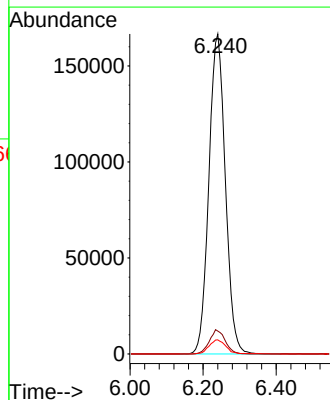
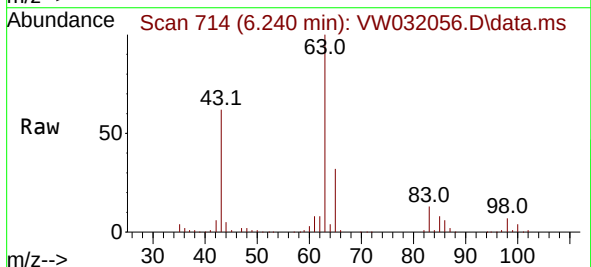
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

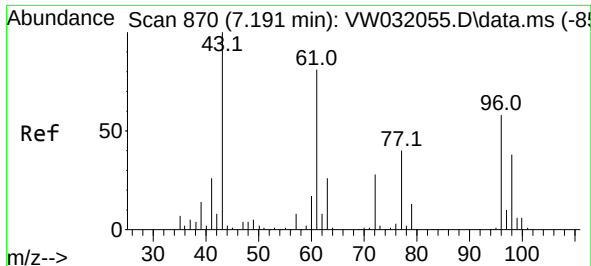
Tgt Ion: 43 Resp: 2803250
 Ion Ratio Lower Upper
 43 100
 86 11.7 9.4 14.0



#24
 1,1-Dichloroethane
 Concen: 98.678 ug/l
 RT: 6.240 min Scan# 714
 Delta R.T. -0.000 min
 Lab File: VW032056.D
 Acq: 11 Aug 2025 10:46

Tgt Ion: 63 Resp: 519360
 Ion Ratio Lower Upper
 63 100
 98 7.2 3.7 11.1
 100 4.4 2.5 7.4

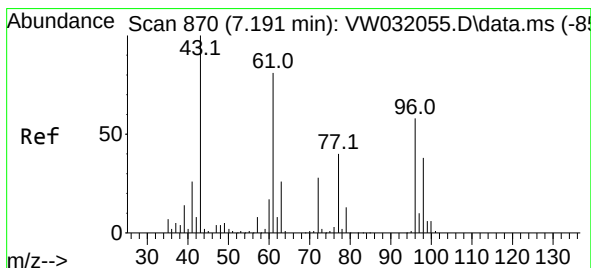
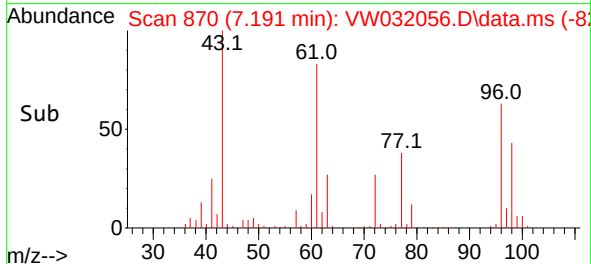
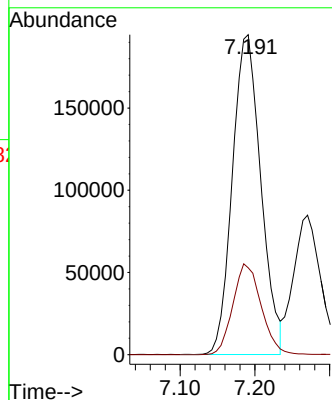
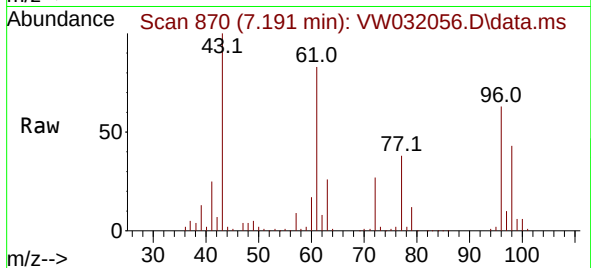




#25
2-Butanone
Concen: 489.508 ug/l
RT: 7.191 min Scan# 81
Delta R.T. -0.000 min
Lab File: VW032056.D
Acq: 11 Aug 2025 10:46

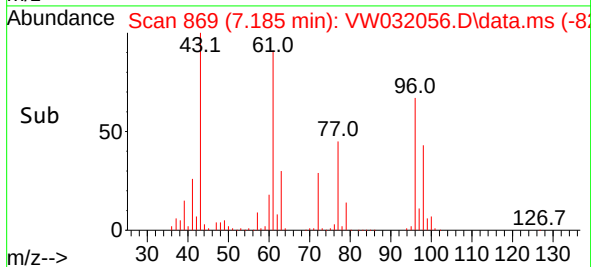
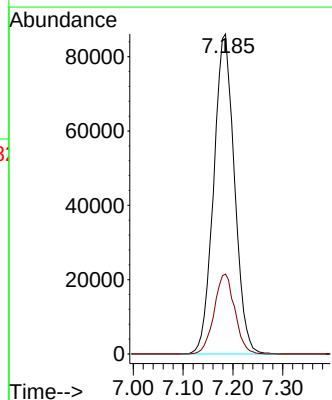
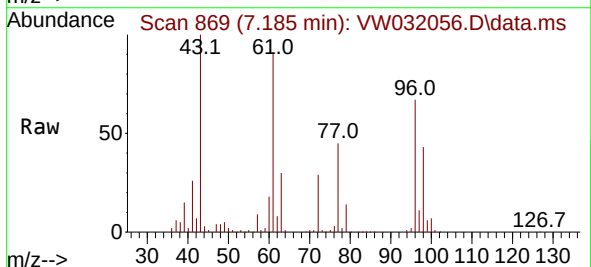
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

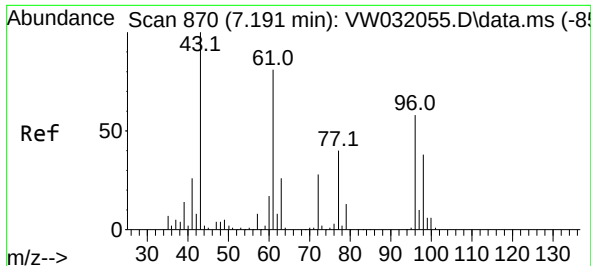
Tgt Ion: 43 Resp: 515739
Ion Ratio Lower Upper
43 100
72 27.1 22.3 33.5



#26
2,2-Dichloropropane
Concen: 94.405 ug/l
RT: 7.185 min Scan# 869
Delta R.T. -0.006 min
Lab File: VW032056.D
Acq: 11 Aug 2025 10:46

Tgt Ion: 77 Resp: 249271
Ion Ratio Lower Upper
77 100
97 24.8 12.3 36.9





#27

cis-1,2-Dichloroethene

Concen: 103.016 ug/l

RT: 7.185 min Scan# 8

Delta R.T. -0.006 min

Lab File: VW032056.D

Acq: 11 Aug 2025 10:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

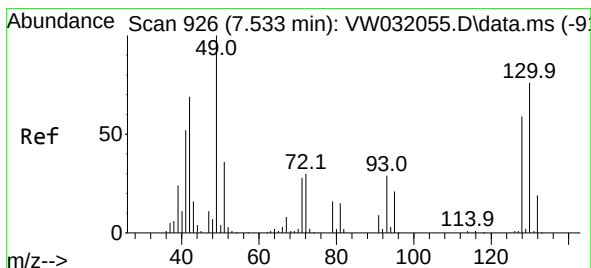
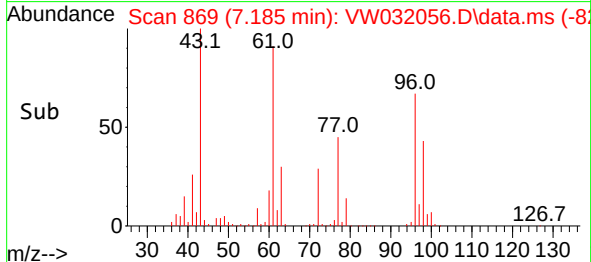
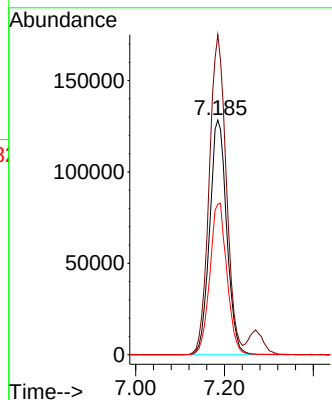
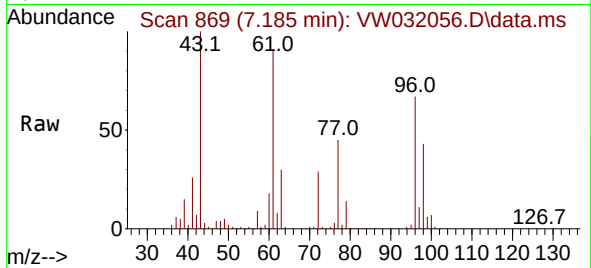
Tgt Ion: 96 Resp: 343091

Ion Ratio Lower Upper

96 100

61 136.1 0.0 281.2

98 64.5 0.0 130.8



#28

Bromochloromethane

Concen: 96.333 ug/l

RT: 7.526 min Scan# 925

Delta R.T. -0.006 min

Lab File: VW032056.D

Acq: 11 Aug 2025 10:46

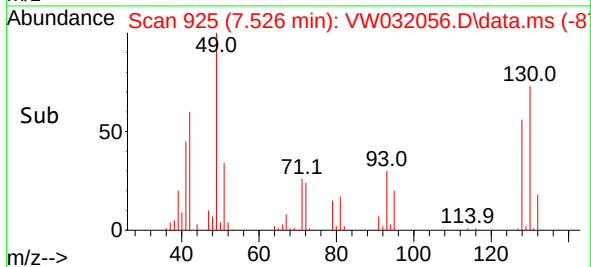
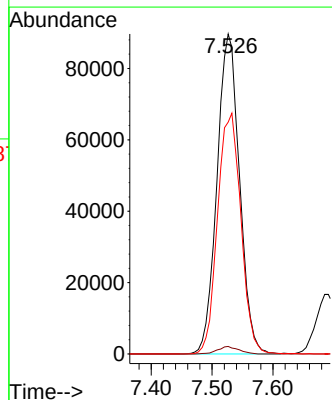
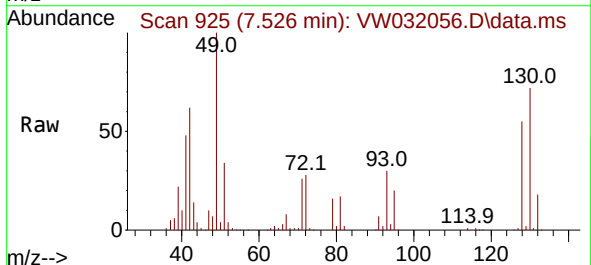
Tgt Ion: 49 Resp: 230727

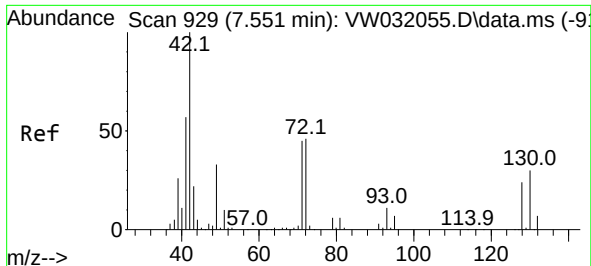
Ion Ratio Lower Upper

49 100

129 2.2 0.0 4.2

130 77.8 61.9 92.9





#29

Tetrahydrofuran

Concen: 487.284 ug/l

RT: 7.551 min Scan# 91

Delta R.T. 0.000 min

Lab File: VW032056.D

Acq: 11 Aug 2025 10:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC100

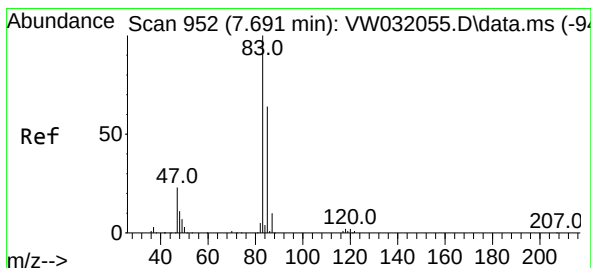
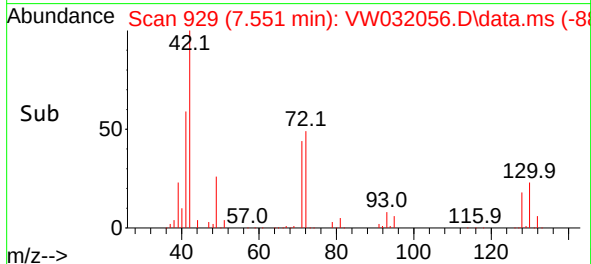
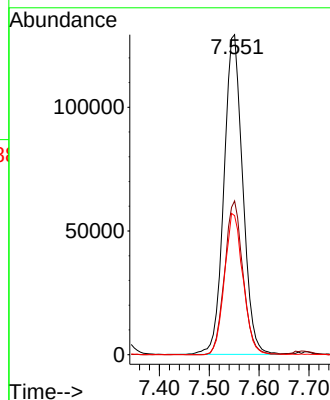
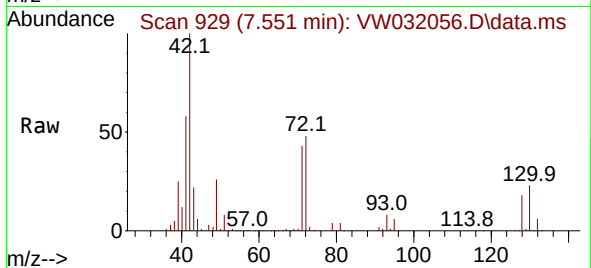
Tgt Ion: 42 Resp: 338578

Ion Ratio Lower Upper

42 100

72 47.0 36.6 55.0

71 43.6 34.7 52.1



#30

Chloroform

Concen: 98.613 ug/l

RT: 7.685 min Scan# 951

Delta R.T. -0.006 min

Lab File: VW032056.D

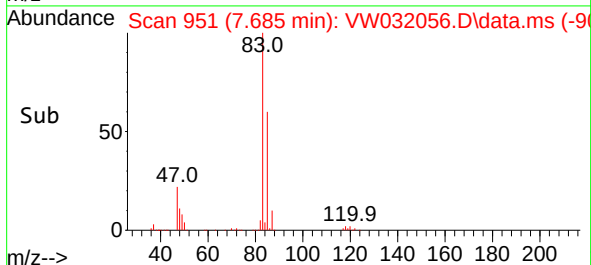
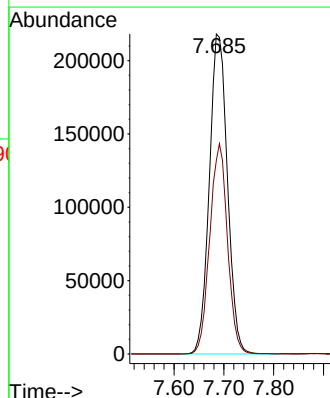
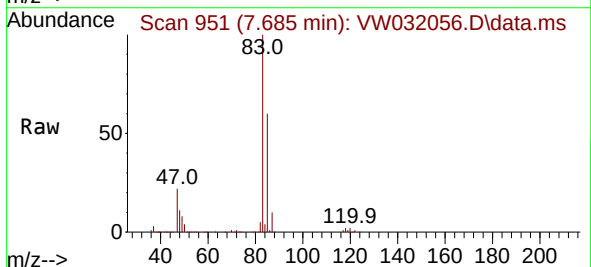
Acq: 11 Aug 2025 10:46

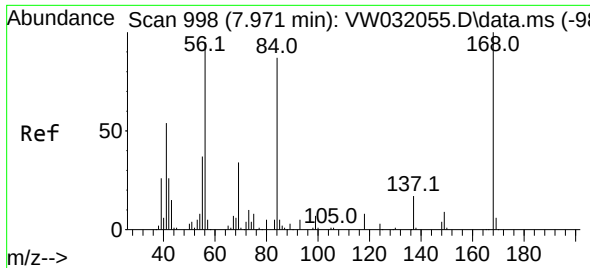
Tgt Ion: 83 Resp: 550232

Ion Ratio Lower Upper

83 100

85 60.5 51.0 76.4

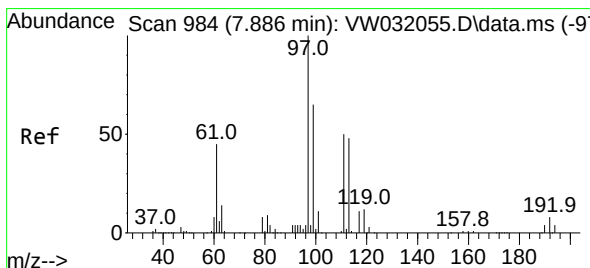
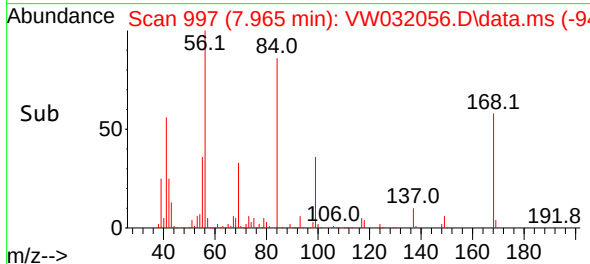
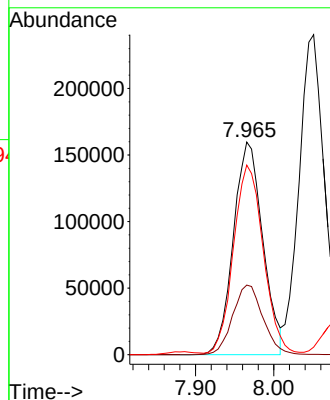
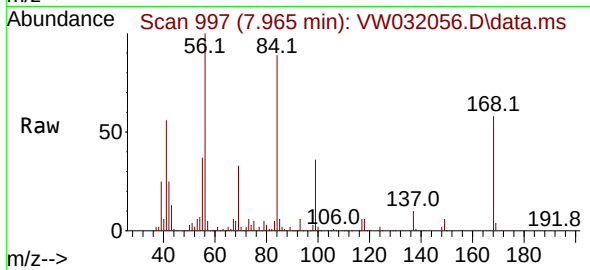




#31
Cyclohexane
Concen: 91.292 ug/l
RT: 7.965 min Scan# 997
Delta R.T. -0.006 min
Lab File: VW032056.D
Acq: 11 Aug 2025 10:46

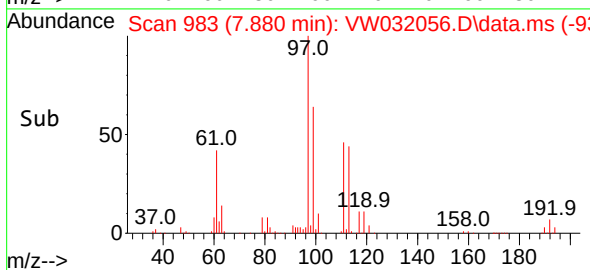
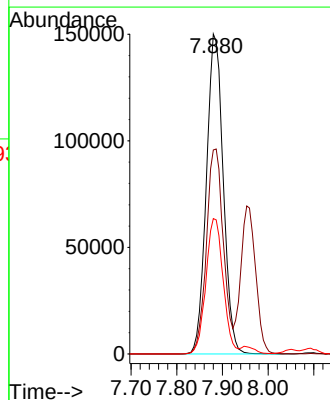
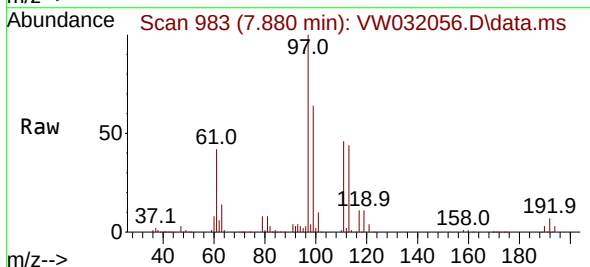
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

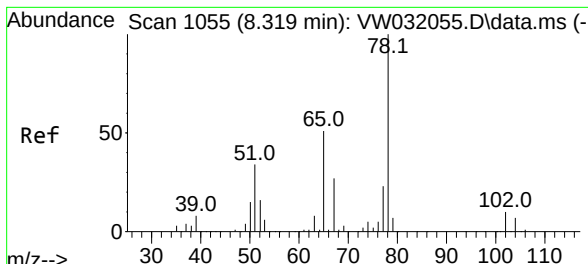
Tgt Ion: 56 Resp: 416558
Ion Ratio Lower Upper
56 100
69 32.8 28.6 42.8
84 87.9 73.0 109.4



#32
1,1,1-Trichloroethane
Concen: 94.913 ug/l
RT: 7.880 min Scan# 983
Delta R.T. -0.006 min
Lab File: VW032056.D
Acq: 11 Aug 2025 10:46

Tgt Ion: 97 Resp: 384671
Ion Ratio Lower Upper
97 100
99 64.5 51.8 77.8
61 43.3 35.9 53.9

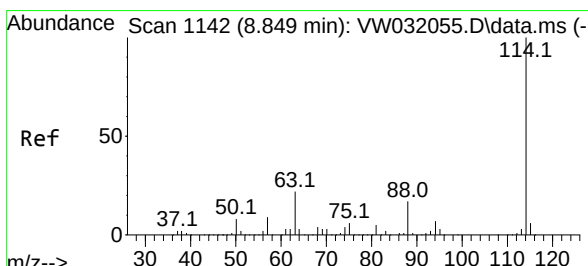
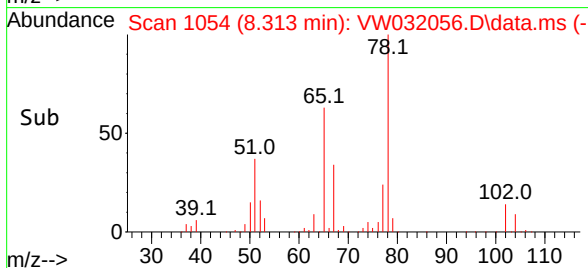
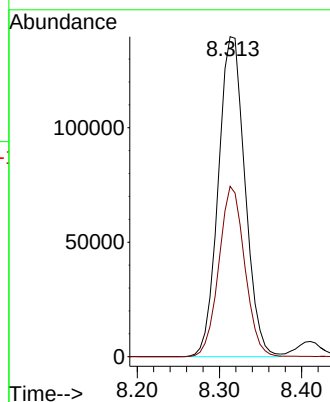
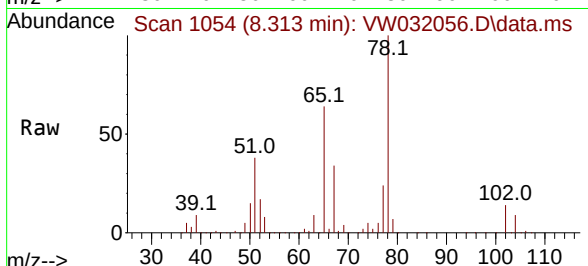




#33
 1,2-Dichloroethane-d4
 Concen: 98.509 ug/l
 RT: 8.313 min Scan# 1054
 Delta R.T. -0.006 min
 Lab File: VW032056.D
 Acq: 11 Aug 2025 10:46

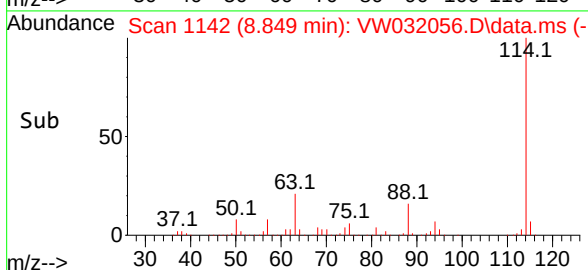
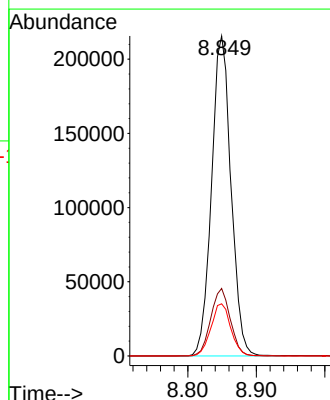
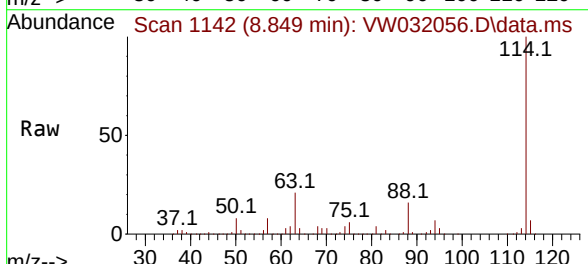
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC100

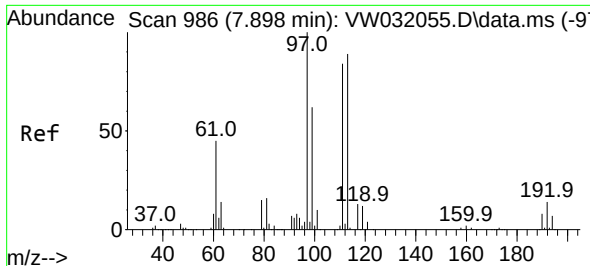
Tgt Ion: 65 Resp: 315411
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 102.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.849 min Scan# 1142
 Delta R.T. 0.000 min
 Lab File: VW032056.D
 Acq: 11 Aug 2025 10:46

Tgt Ion: 114 Resp: 424901
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 43.0
 88 16.3 0.0 33.8

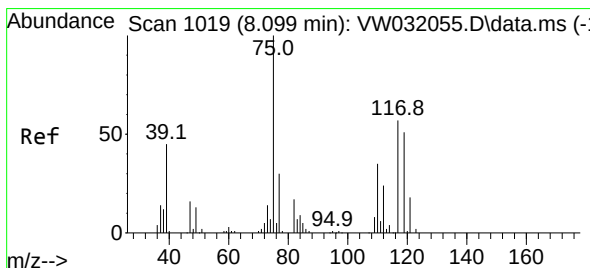
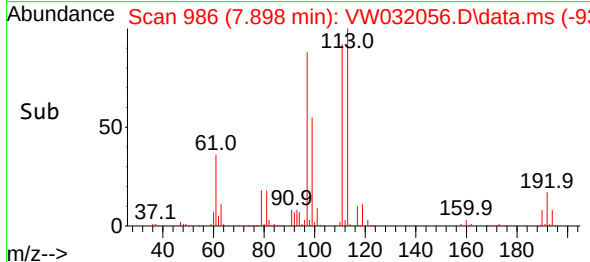
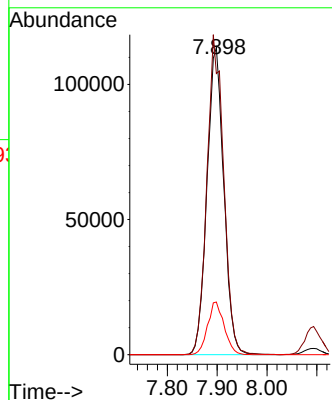
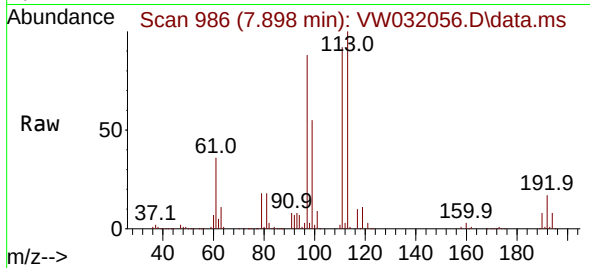




#35
 Dibromofluoromethane
 Concen: 96.945 ug/l
 RT: 7.898 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VW032056.D
 Acq: 11 Aug 2025 10:46

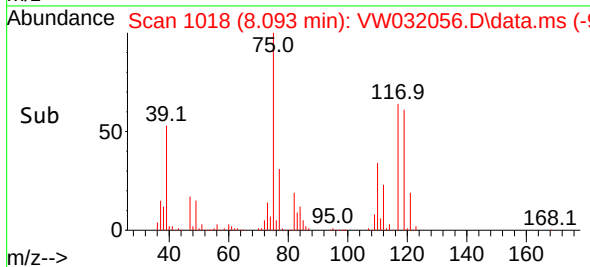
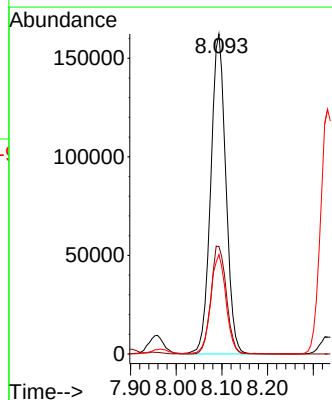
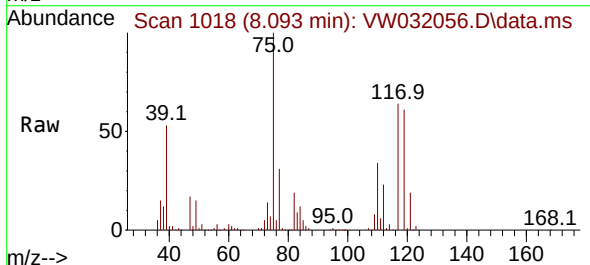
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

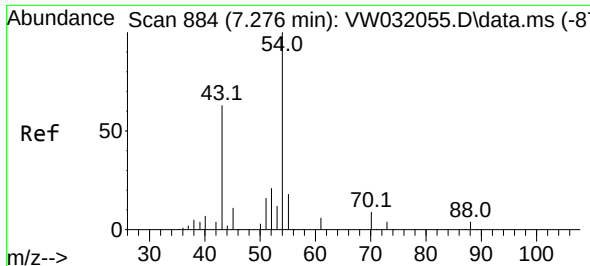
Tgt Ion:113 Resp: 266117
 Ion Ratio Lower Upper
 113 100
 111 104.0 80.1 120.1
 192 16.9 13.1 19.7



#36
 1,1-Dichloropropene
 Concen: 96.444 ug/l
 RT: 8.093 min Scan# 1018
 Delta R.T. -0.006 min
 Lab File: VW032056.D
 Acq: 11 Aug 2025 10:46

Tgt Ion: 75 Resp: 373215
 Ion Ratio Lower Upper
 75 100
 110 34.5 17.4 52.2
 77 31.3 24.7 37.1





#37

Ethyl Acetate

Concen: 97.375 ug/l

RT: 7.270 min Scan# 884

Delta R.T. -0.006 min

Lab File: VW032056.D

Acq: 11 Aug 2025 10:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC100

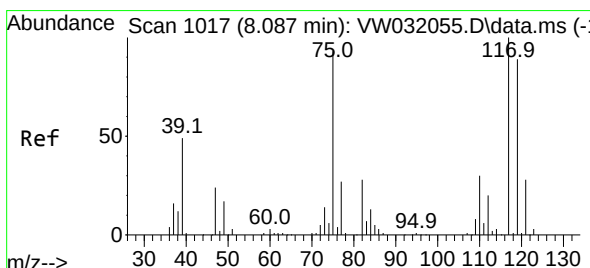
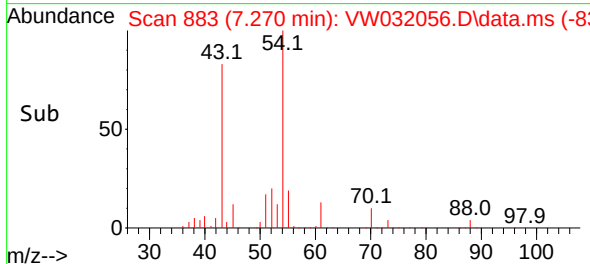
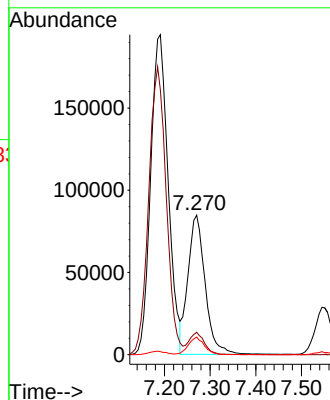
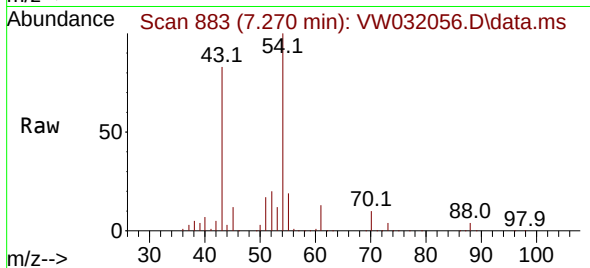
Tgt Ion: 43 Resp: 221929

Ion Ratio Lower Upper

43 100

61 14.4 11.8 17.6

70 11.5 9.4 14.0



#38

Carbon Tetrachloride

Concen: 97.035 ug/l

RT: 8.081 min Scan# 1016

Delta R.T. -0.006 min

Lab File: VW032056.D

Acq: 11 Aug 2025 10:46

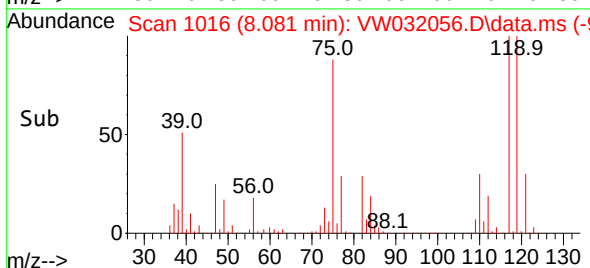
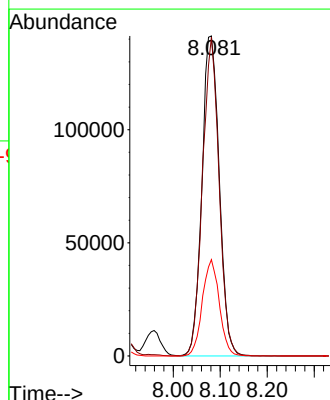
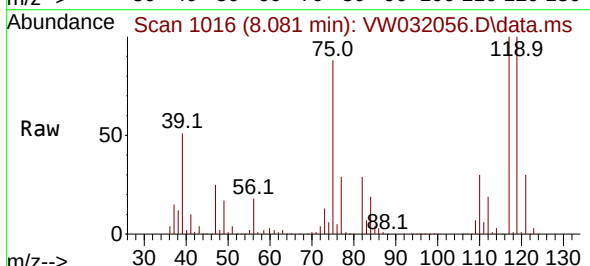
Tgt Ion: 117 Resp: 362373

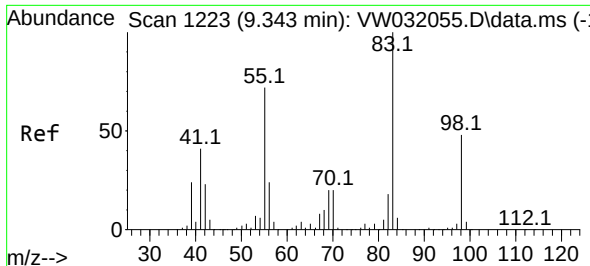
Ion Ratio Lower Upper

117 100

119 99.6 71.4 107.2

121 30.1 22.3 33.5

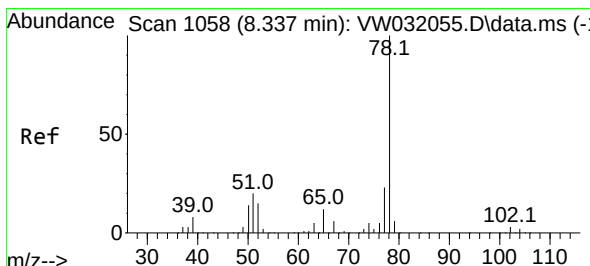
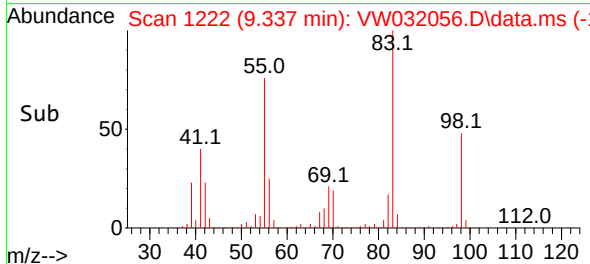
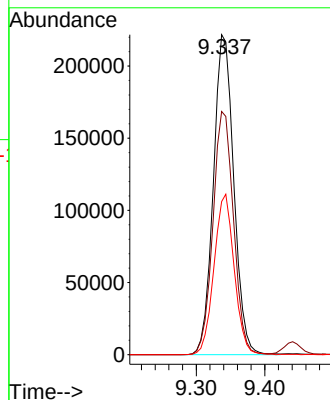
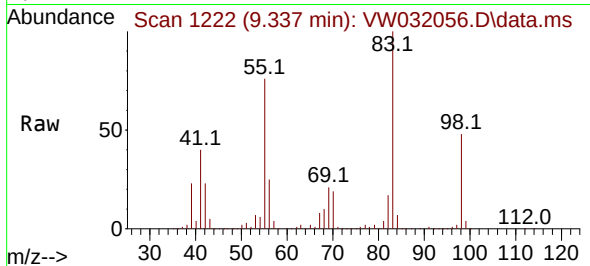




#39
Methylcyclohexane
Concen: 97.342 ug/l
RT: 9.337 min Scan# 11
Delta R.T. -0.006 min
Lab File: VW032056.D
Acq: 11 Aug 2025 10:46

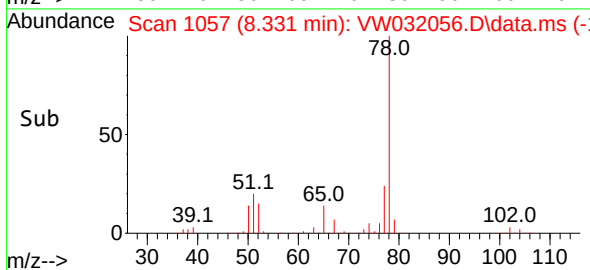
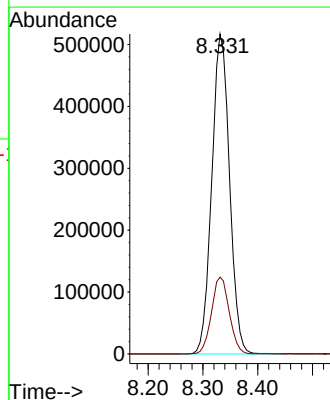
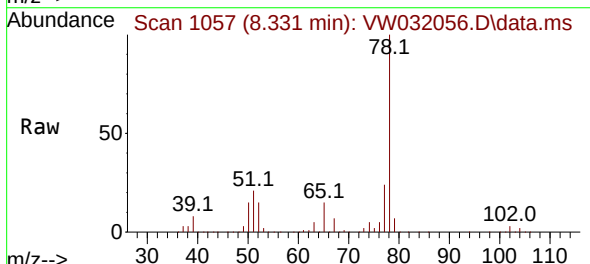
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

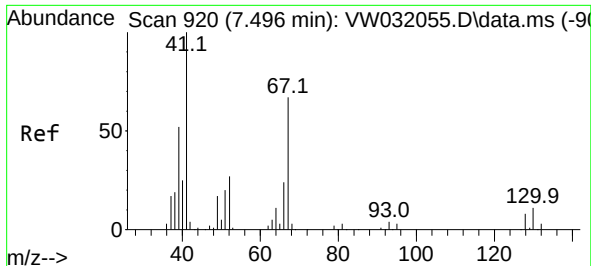
Tgt Ion: 83 Resp: 459134
Ion Ratio Lower Upper
83 100
55 76.0 57.9 86.9
98 47.8 38.3 57.5



#40
Benzene
Concen: 96.444 ug/l
RT: 8.331 min Scan# 1057
Delta R.T. -0.006 min
Lab File: VW032056.D
Acq: 11 Aug 2025 10:46

Tgt Ion: 78 Resp: 1160107
Ion Ratio Lower Upper
78 100
77 24.0 18.4 27.6



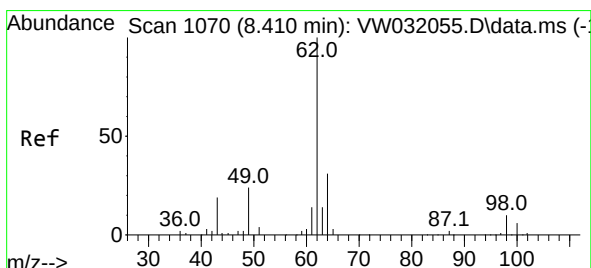
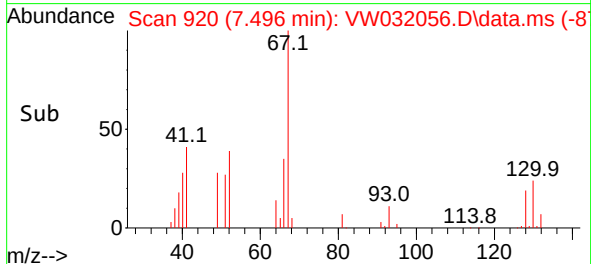
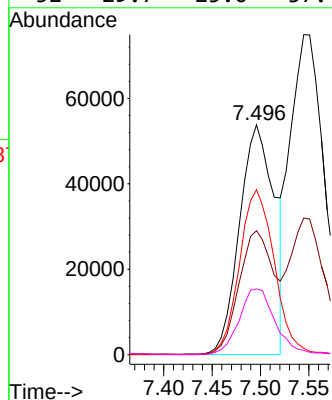
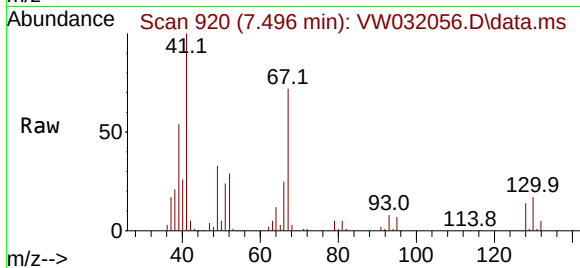


#41
Methacrylonitrile
Concen: 105.048 ug/l
RT: 7.496 min Scan# 91
Delta R.T. 0.000 min
Lab File: VW032056.D
Acq: 11 Aug 2025 10:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tgt Ion: 41 Resp: 135773

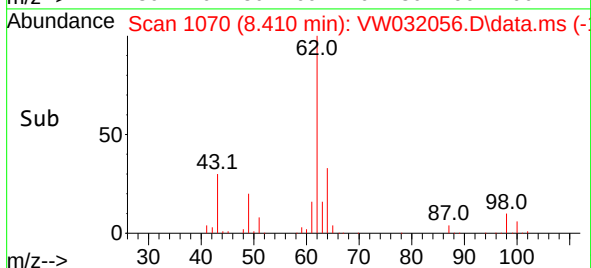
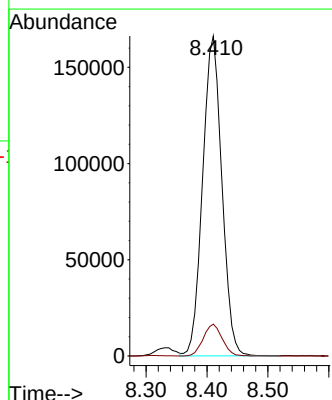
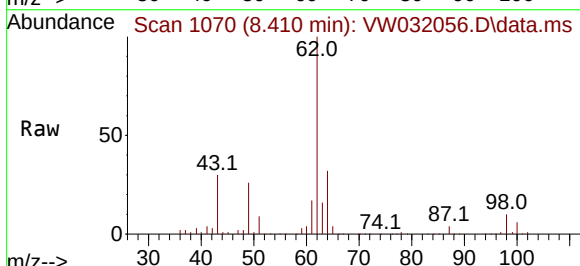
Ion	Ratio	Lower	Upper
41	100		
39	53.6	42.6	63.8
67	71.7	61.0	91.4
52	29.7	25.0	37.4

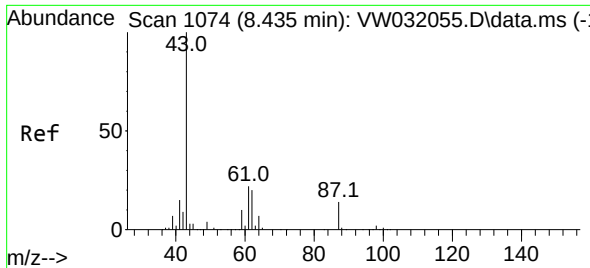


#42
1,2-Dichloroethane
Concen: 94.743 ug/l
RT: 8.410 min Scan# 1070
Delta R.T. 0.000 min
Lab File: VW032056.D
Acq: 11 Aug 2025 10:46

Tgt Ion: 62 Resp: 364674

Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	19.8

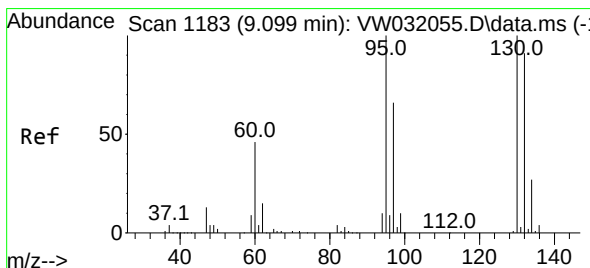
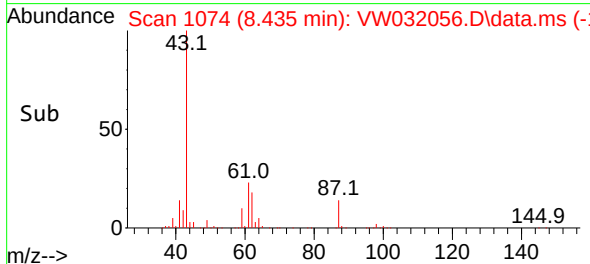
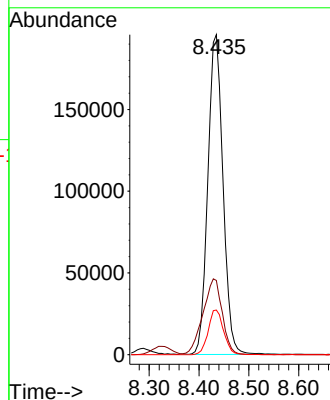
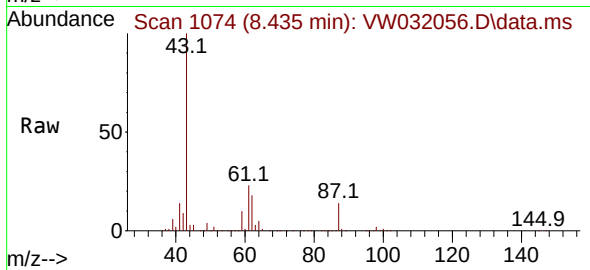




#43
Isopropyl Acetate
Concen: 98.543 ug/l
RT: 8.435 min Scan# 1182
Delta R.T. 0.000 min
Lab File: VW032056.D
Acq: 11 Aug 2025 10:46

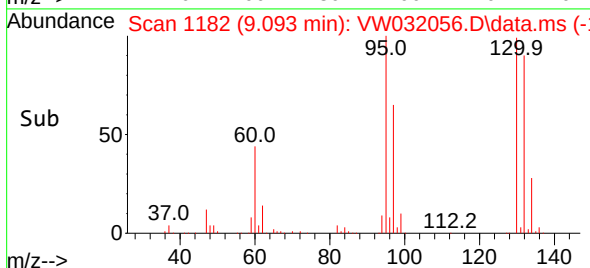
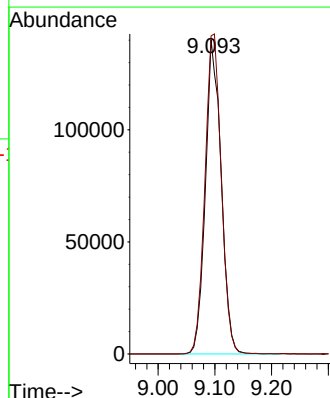
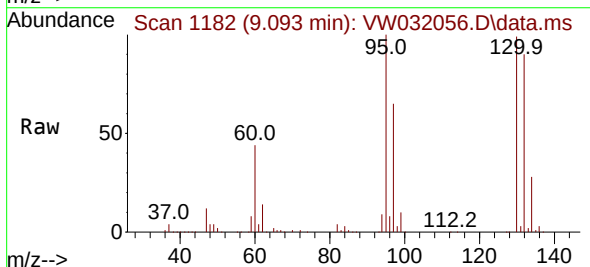
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

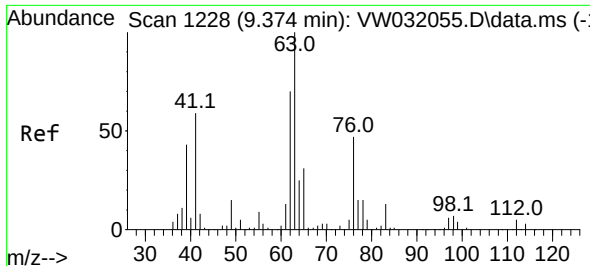
Tgt Ion: 43 Resp: 413211
Ion Ratio Lower Upper
43 100
61 30.0 23.8 35.8
87 14.2 11.7 17.5



#44
Trichloroethene
Concen: 94.602 ug/l
RT: 9.093 min Scan# 1182
Delta R.T. -0.006 min
Lab File: VW032056.D
Acq: 11 Aug 2025 10:46

Tgt Ion:130 Resp: 270995
Ion Ratio Lower Upper
130 100
95 101.2 0.0 200.6

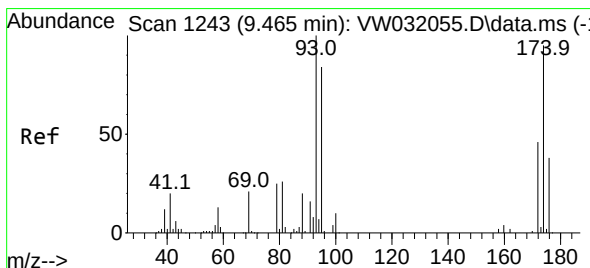
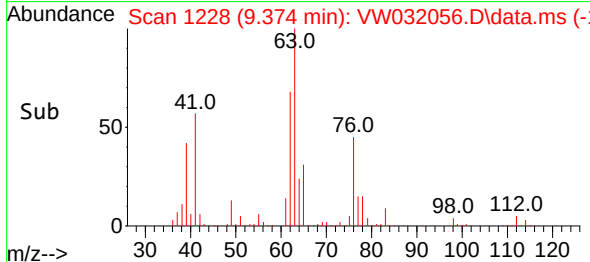
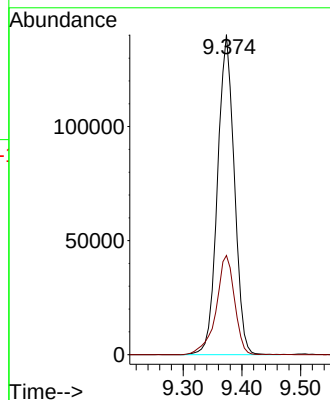
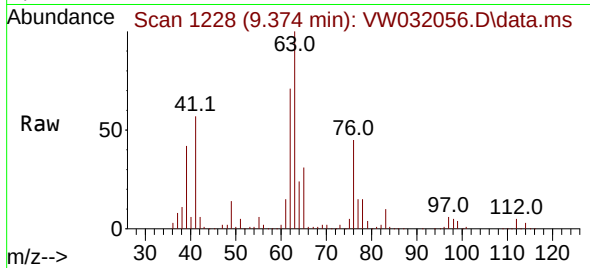




#45
1,2-Dichloropropane
Concen: 95.707 ug/l
RT: 9.374 min Scan# 1228
Delta R.T. -0.000 min
Lab File: VW032056.D
Acq: 11 Aug 2025 10:46

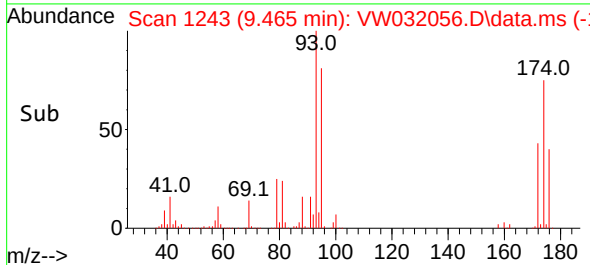
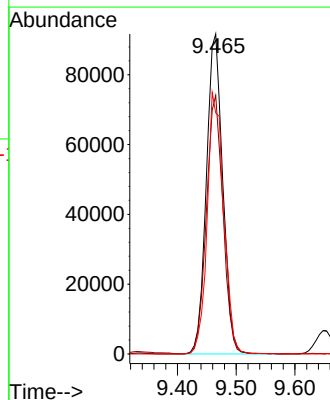
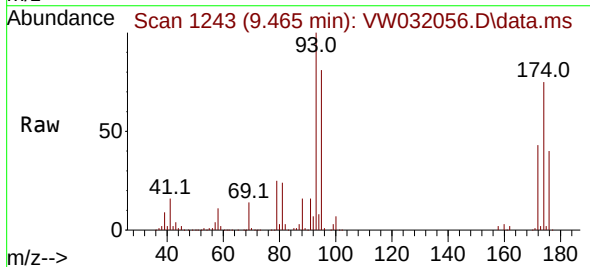
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

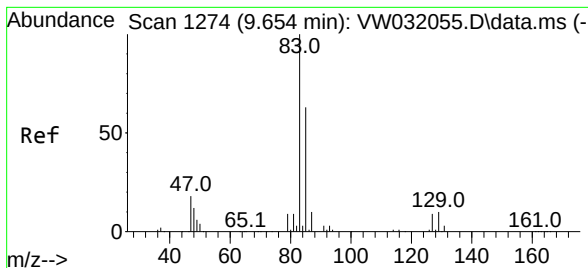
Tgt Ion: 63 Resp: 278124
Ion Ratio Lower Upper
63 100
65 31.0 24.6 36.8



#46
Dibromomethane
Concen: 94.888 ug/l
RT: 9.465 min Scan# 1243
Delta R.T. -0.000 min
Lab File: VW032056.D
Acq: 11 Aug 2025 10:46

Tgt Ion: 93 Resp: 177966
Ion Ratio Lower Upper
93 100
95 81.7 65.3 97.9
174 82.0 68.6 102.8





#47

Bromodichloromethane

Concen: 97.867 ug/l

RT: 9.648 min Scan# 1273

Delta R.T. -0.006 min

Lab File: VW032056.D

Acq: 11 Aug 2025 10:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

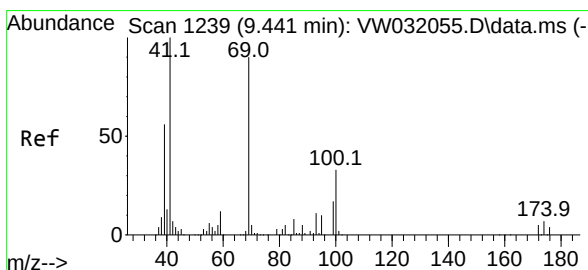
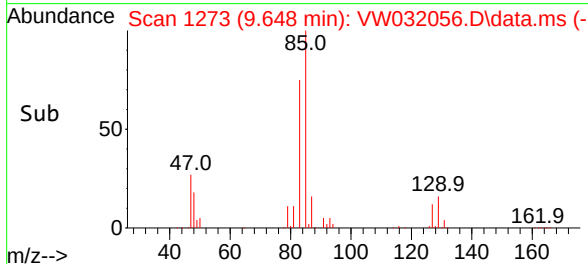
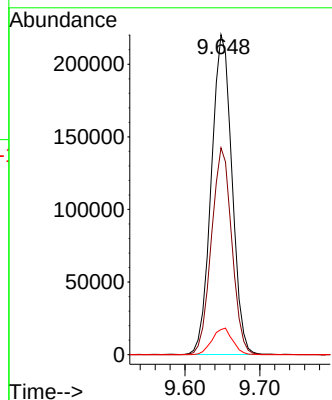
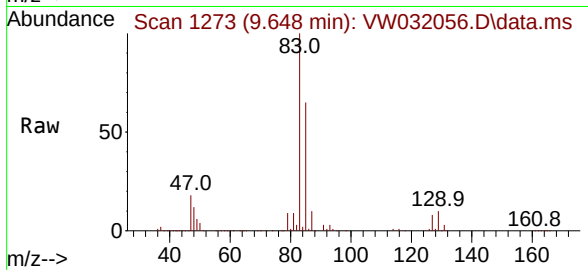
Tgt Ion: 83 Resp: 422958

Ion Ratio Lower Upper

83 100

85 64.7 50.6 75.8

127 7.9 6.9 10.3



#48

Methyl methacrylate

Concen: 100.098 ug/l

RT: 9.441 min Scan# 1239

Delta R.T. 0.000 min

Lab File: VW032056.D

Acq: 11 Aug 2025 10:46

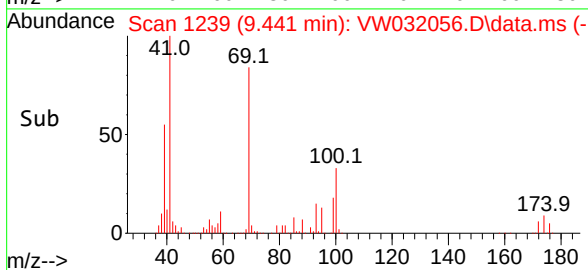
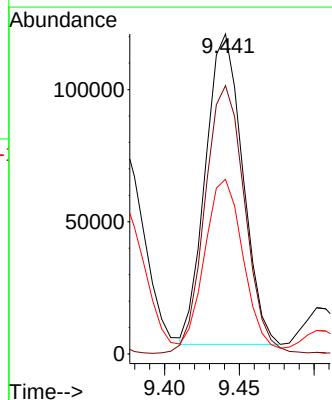
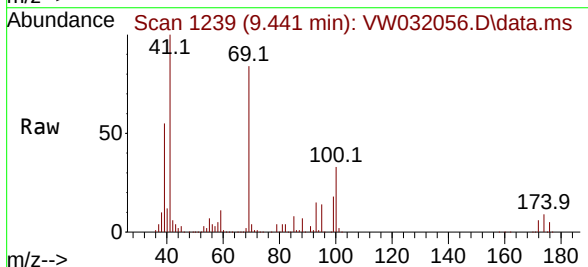
Tgt Ion: 41 Resp: 202632

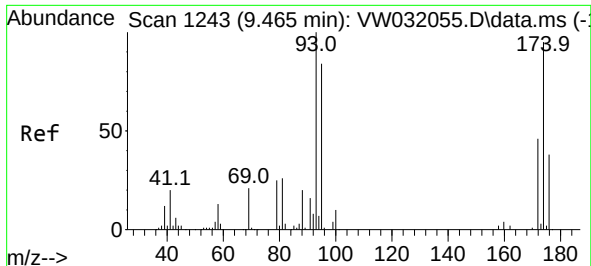
Ion Ratio Lower Upper

41 100

69 93.5 73.0 109.6

39 55.0 45.0 67.4





#49

1,4-Dioxane

Concen: 1912.696 ug/l

RT: 9.459 min Scan# 11

Delta R.T. -0.006 min

Lab File: VW032056.D

Acq: 11 Aug 2025 10:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC100

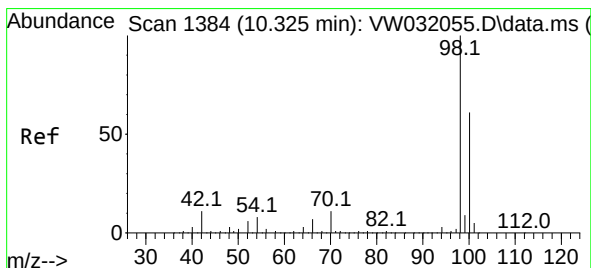
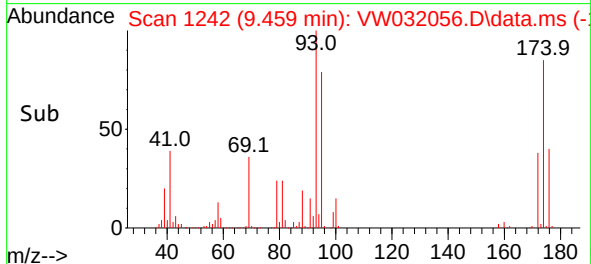
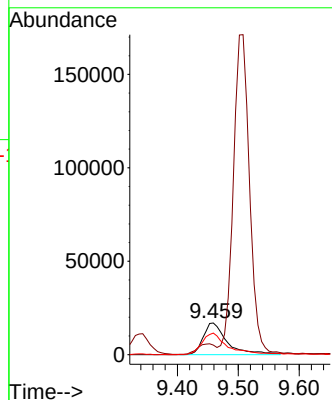
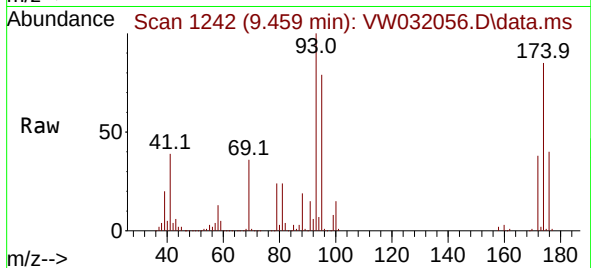
Tgt Ion: 88 Resp: 46383

Ion Ratio Lower Upper

88 100

43 25.4 20.6 30.8

58 75.0 60.4 90.6



#50

Toluene-d8

Concen: 99.078 ug/l

RT: 10.325 min Scan# 1384

Delta R.T. -0.000 min

Lab File: VW032056.D

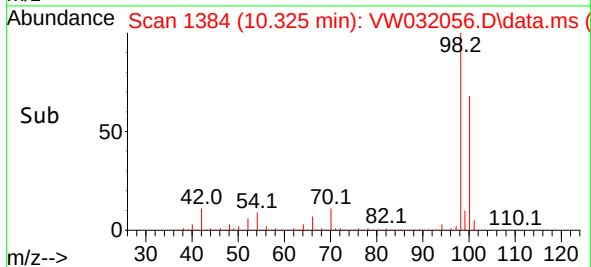
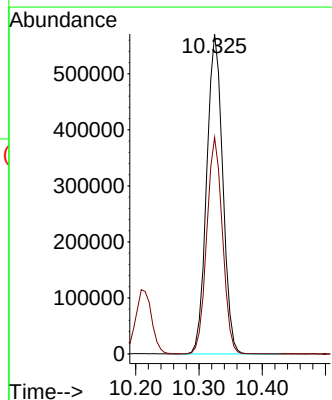
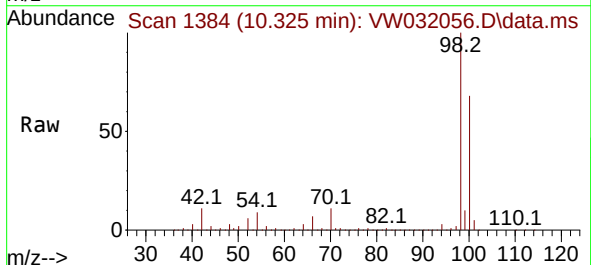
Acq: 11 Aug 2025 10:46

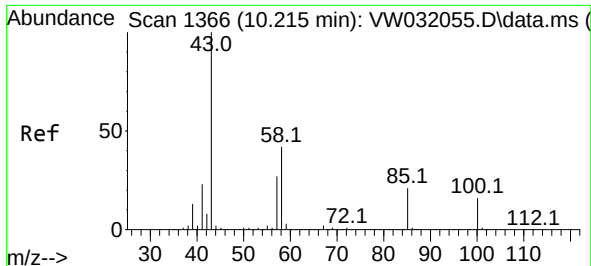
Tgt Ion: 98 Resp: 1005940

Ion Ratio Lower Upper

98 100

100 66.3 51.1 76.7

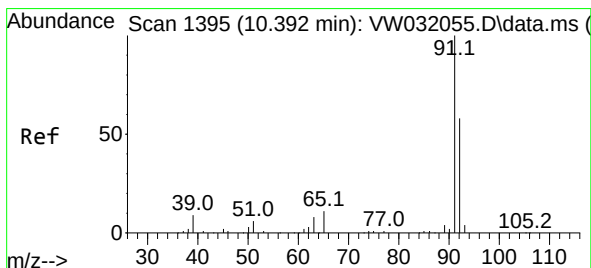
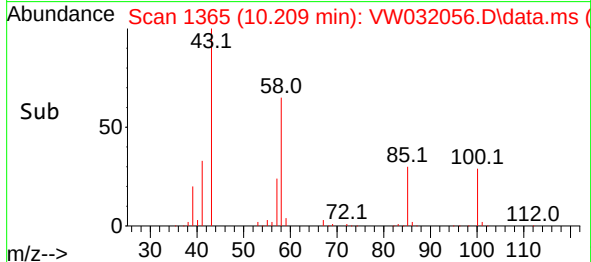
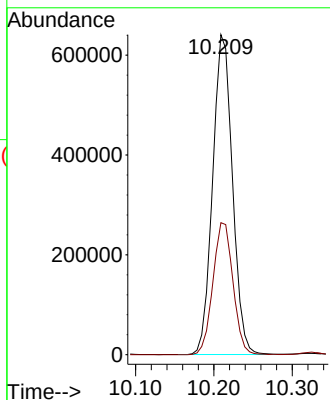
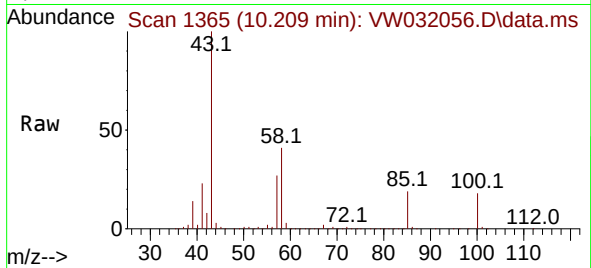




#51
4-Methyl-2-Pentanone
Concen: 476.209 ug/l
RT: 10.209 min Scan# 1365
Delta R.T. -0.006 min
Lab File: VW032056.D
Acq: 11 Aug 2025 10:46

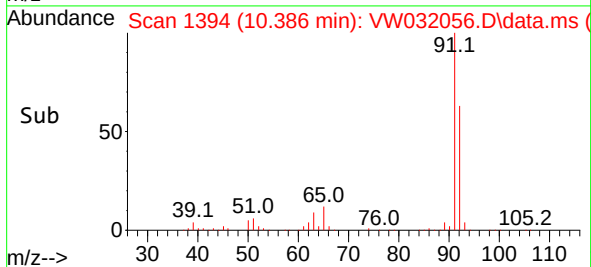
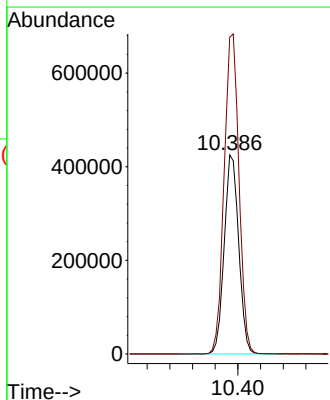
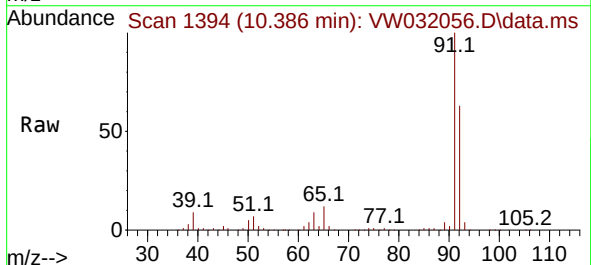
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

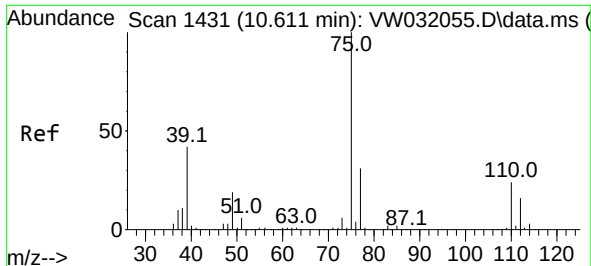
Tgt Ion: 43 Resp: 1127080
Ion Ratio Lower Upper
43 100
58 41.9 33.1 49.7



#52
Toluene
Concen: 99.464 ug/l
RT: 10.386 min Scan# 1394
Delta R.T. -0.006 min
Lab File: VW032056.D
Acq: 11 Aug 2025 10:46

Tgt Ion: 92 Resp: 753592
Ion Ratio Lower Upper
92 100
91 165.0 136.3 204.5

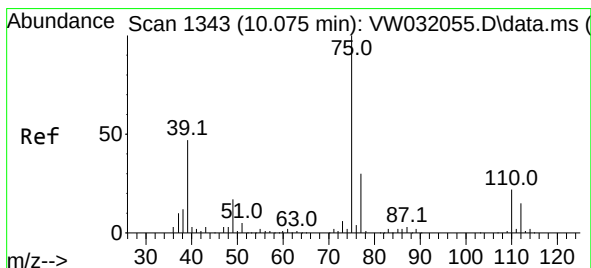
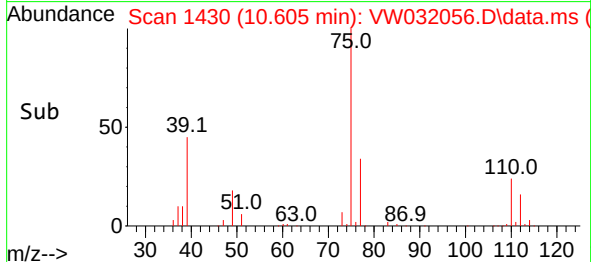
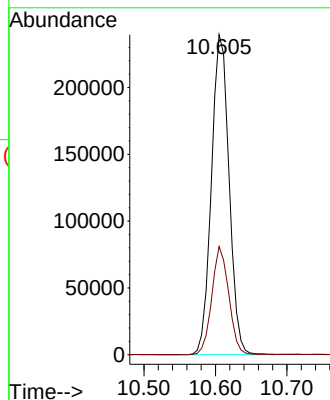
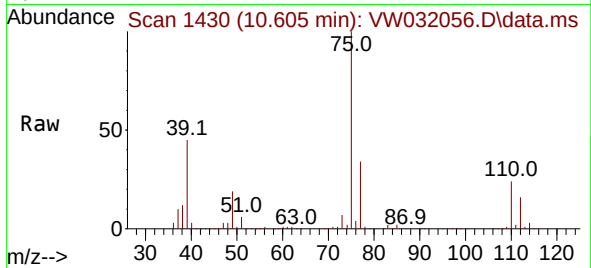




#53
t-1,3-Dichloropropene
Concen: 101.442 ug/l
RT: 10.605 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VW032056.D
Acq: 11 Aug 2025 10:46

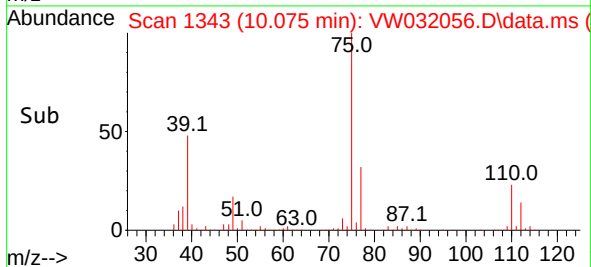
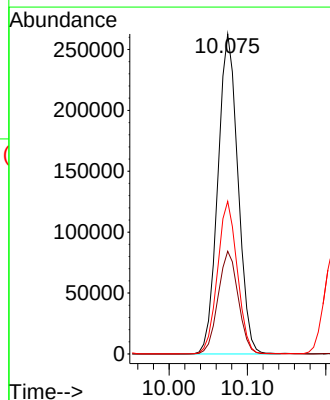
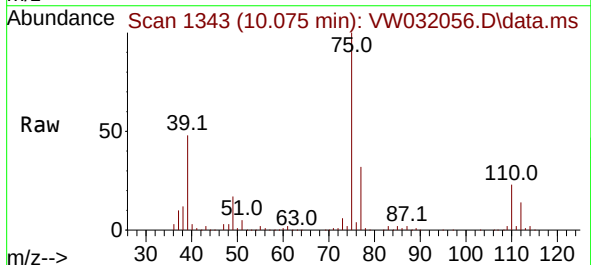
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

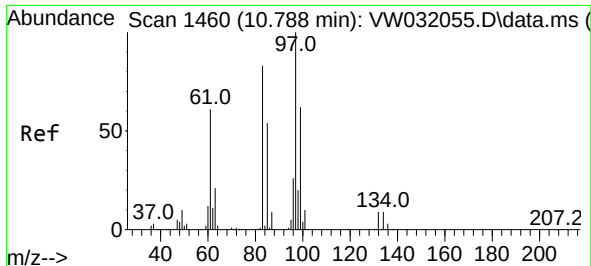
Tgt Ion: 75 Resp: 410734
Ion Ratio Lower Upper
75 100
77 33.8 25.0 37.6



#54
cis-1,3-Dichloropropene
Concen: 102.096 ug/l
RT: 10.075 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VW032056.D
Acq: 11 Aug 2025 10:46

Tgt Ion: 75 Resp: 468972
Ion Ratio Lower Upper
75 100
77 32.1 24.0 36.0
39 47.6 37.8 56.8

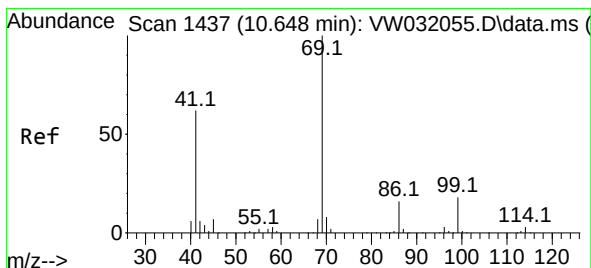
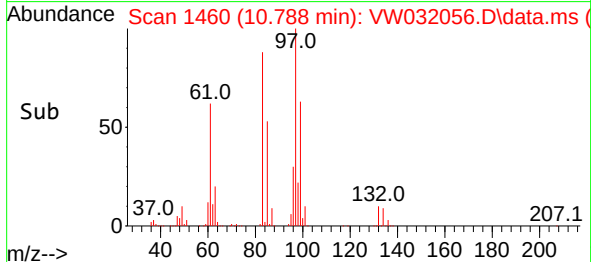
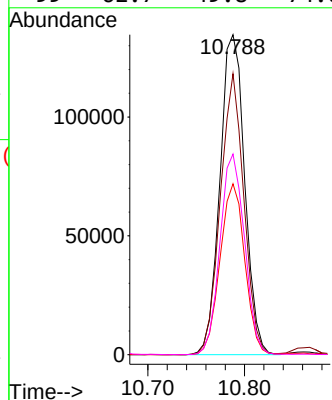
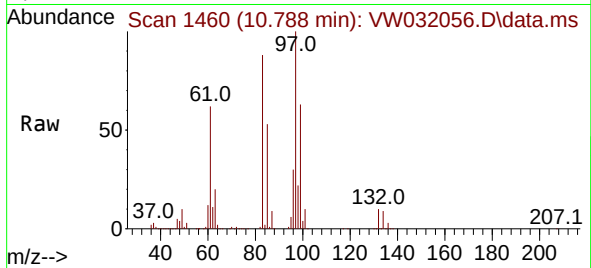




#55
1,1,2-Trichloroethane
Concen: 96.099 ug/l
RT: 10.788 min Scan# 1460
Delta R.T. -0.000 min
Lab File: VW032056.D
Acq: 11 Aug 2025 10:46

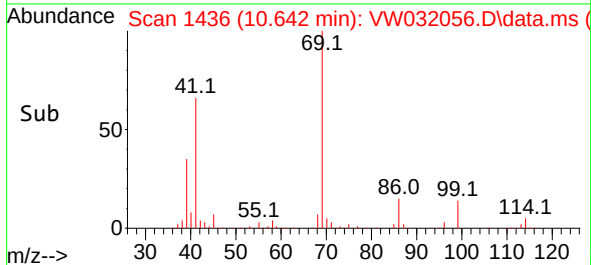
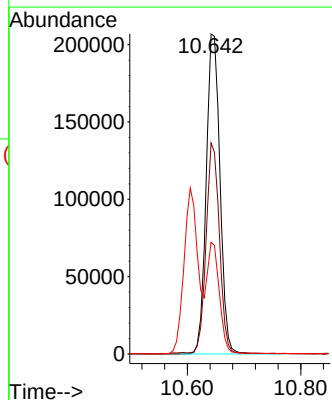
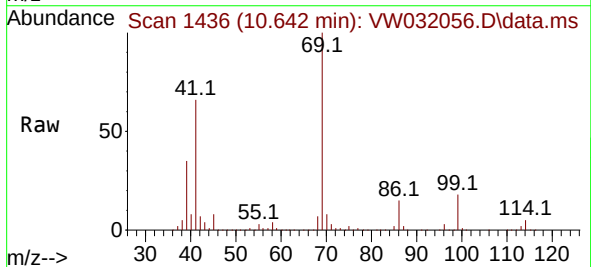
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

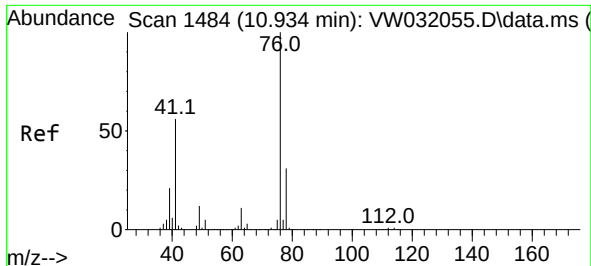
Tgt Ion:	97	Resp:	239507
Ion	Ratio	Lower	Upper
97	100		
83	87.8	66.4	99.6
85	53.4	43.1	64.7
99	62.7	49.8	74.6



#56
Ethyl methacrylate
Concen: 104.477 ug/l
RT: 10.642 min Scan# 1436
Delta R.T. -0.006 min
Lab File: VW032056.D
Acq: 11 Aug 2025 10:46

Tgt Ion:	69	Resp:	348446
Ion	Ratio	Lower	Upper
69	100		
41	64.5	51.2	76.8
39	30.2	25.4	38.0

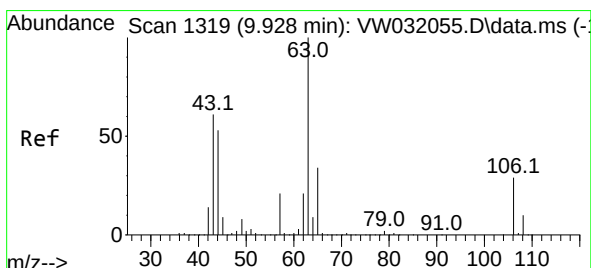
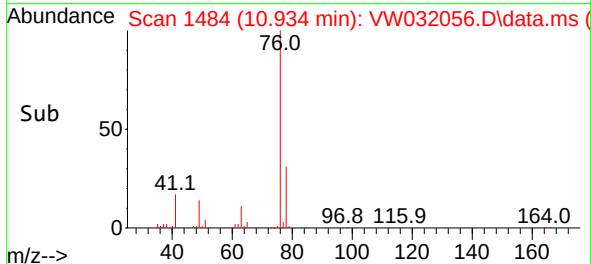
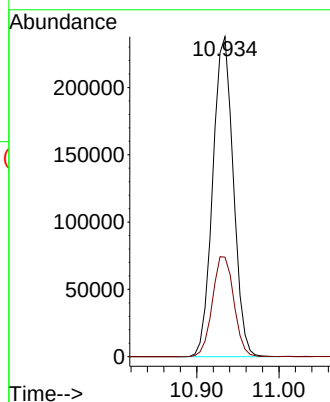
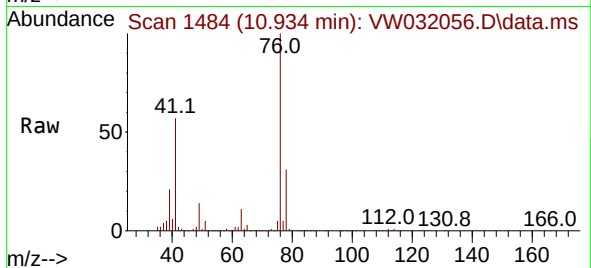




#57
1,3-Dichloropropane
Concen: 95.056 ug/l
RT: 10.934 min Scan# 1484
Delta R.T. 0.000 min
Lab File: VW032056.D
Acq: 11 Aug 2025 10:46

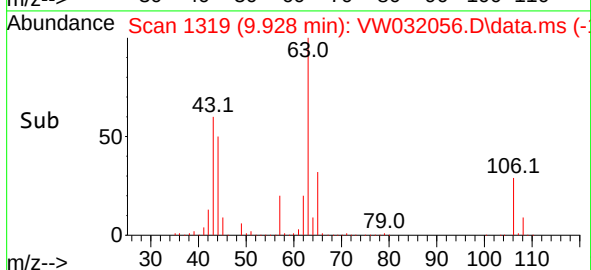
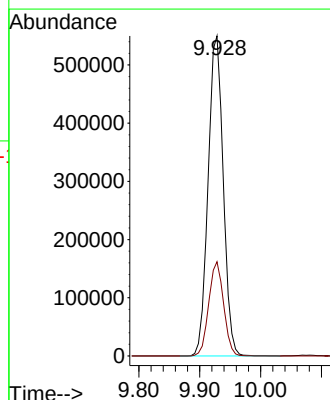
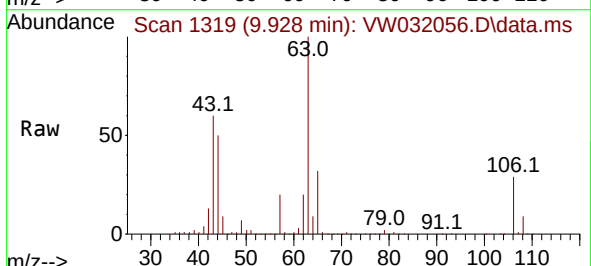
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

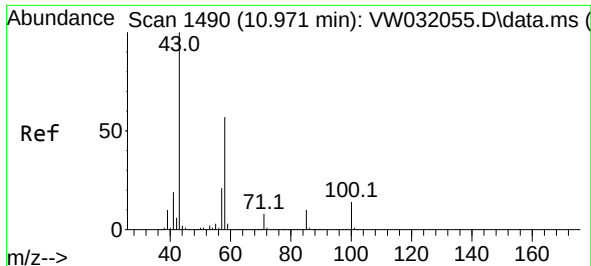
Tgt Ion: 76 Resp: 412949
Ion Ratio Lower Upper
76 100
78 32.7 25.8 38.6



#58
2-Chloroethyl Vinyl ether
Concen: 513.956 ug/l
RT: 9.928 min Scan# 1319
Delta R.T. 0.000 min
Lab File: VW032056.D
Acq: 11 Aug 2025 10:46

Tgt Ion: 63 Resp: 948129
Ion Ratio Lower Upper
63 100
106 28.9 23.5 35.3

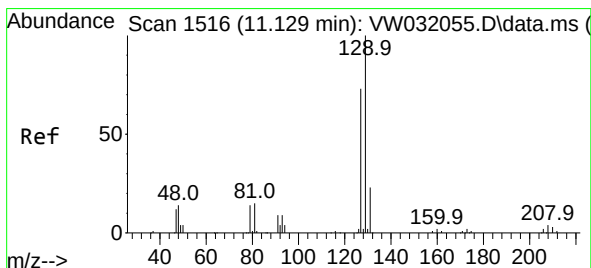
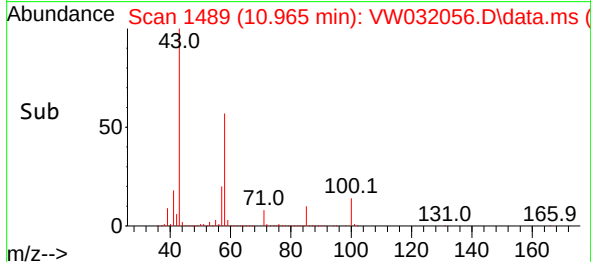
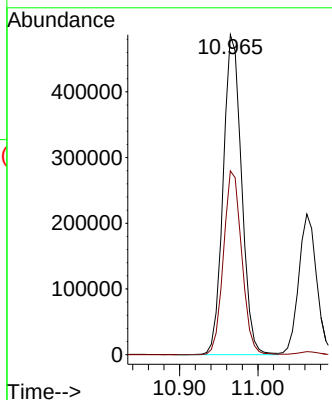
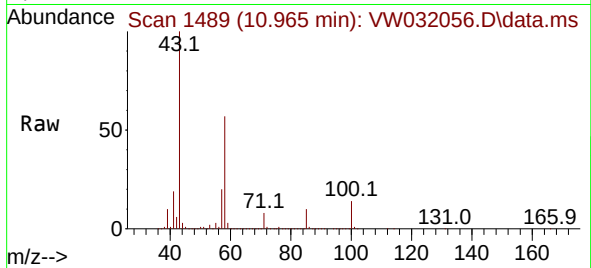




#59
2-Hexanone
Concen: 484.283 ug/l
RT: 10.965 min Scan# 1489
Delta R.T. -0.006 min
Lab File: VW032056.D
Acq: 11 Aug 2025 10:46

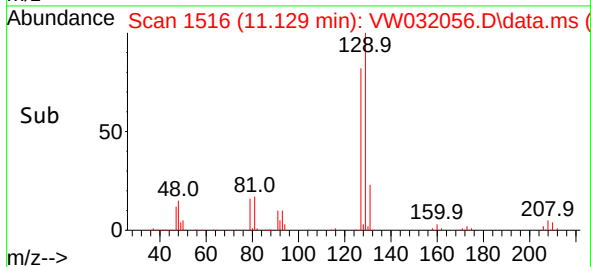
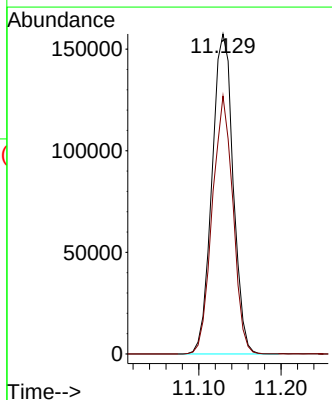
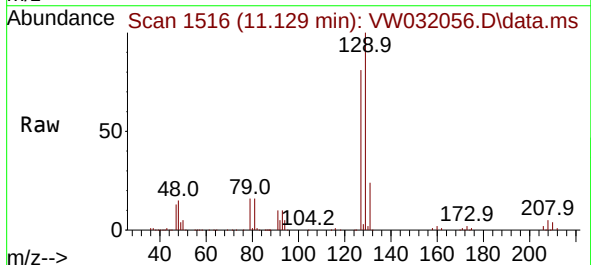
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

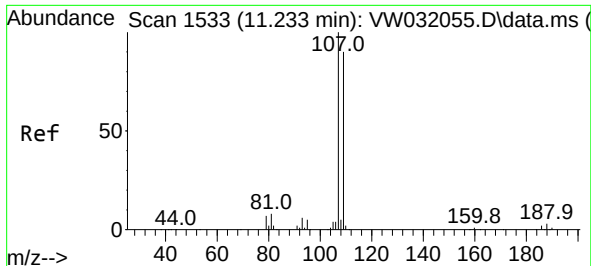
Tgt Ion: 43 Resp: 793810
Ion Ratio Lower Upper
43 100
58 57.2 28.3 85.0



#60
Dibromochloromethane
Concen: 99.074 ug/l
RT: 11.129 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VW032056.D
Acq: 11 Aug 2025 10:46

Tgt Ion: 129 Resp: 282060
Ion Ratio Lower Upper
129 100
127 78.5 39.0 116.9

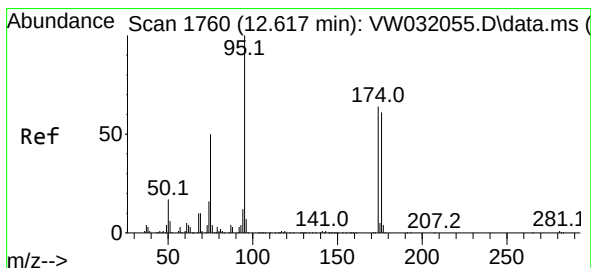
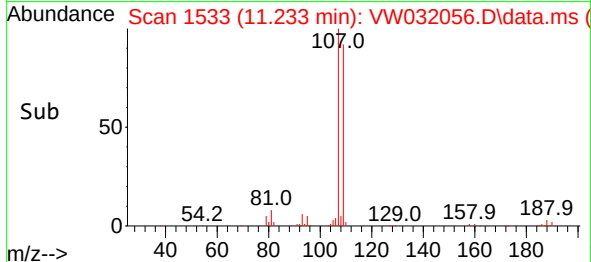
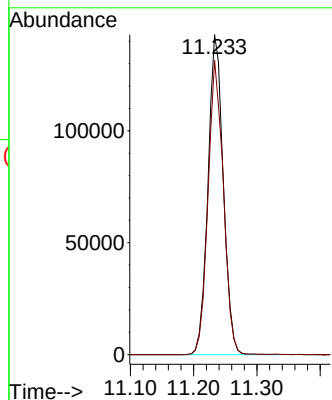
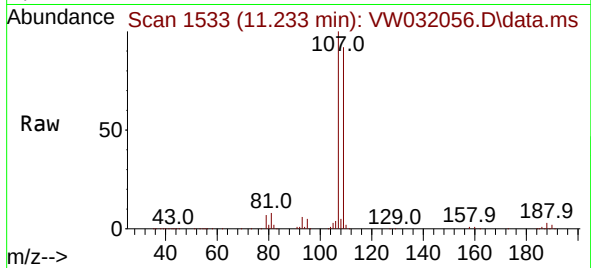




#61
1,2-Dibromoethane
Concen: 99.317 ug/l
RT: 11.233 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW032056.D
Acq: 11 Aug 2025 10:46

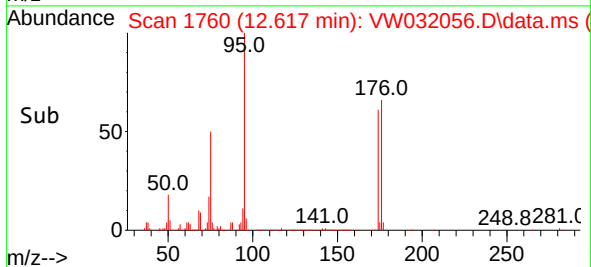
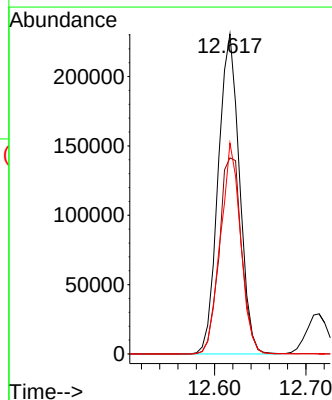
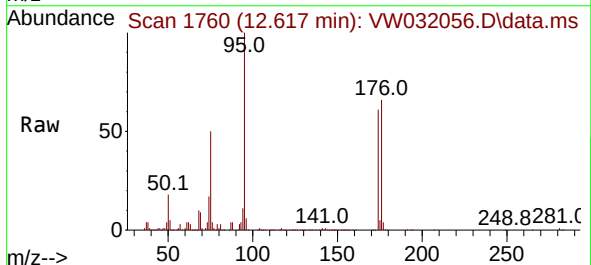
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

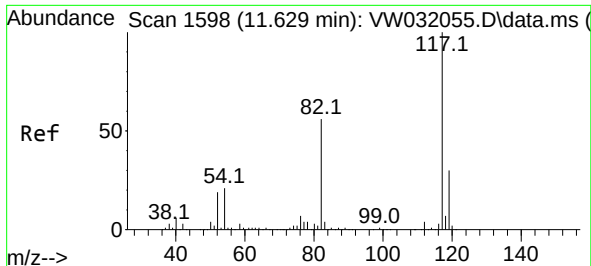
Tgt Ion:107 Resp: 240542
Ion Ratio Lower Upper
107 100
109 92.1 74.2 111.4



#62
4-Bromofluorobenzene
Concen: 99.536 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032056.D
Acq: 11 Aug 2025 10:46

Tgt Ion: 95 Resp: 372416
Ion Ratio Lower Upper
95 100
174 65.2 0.0 129.0
176 62.8 0.0 124.6

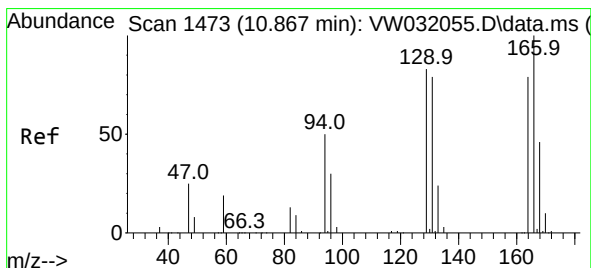
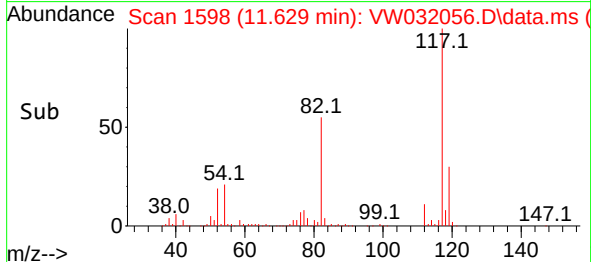
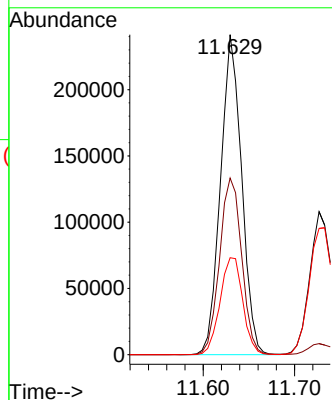
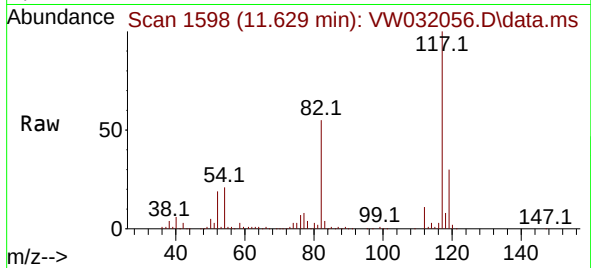




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 117
Delta R.T. 0.000 min
Lab File: VW032056.D
Acq: 11 Aug 2025 10:46

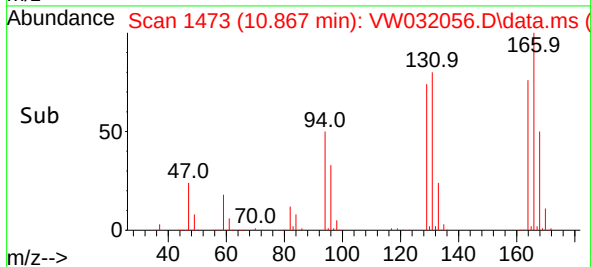
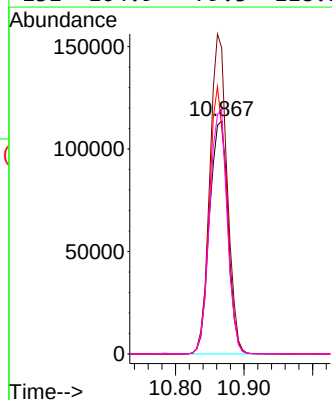
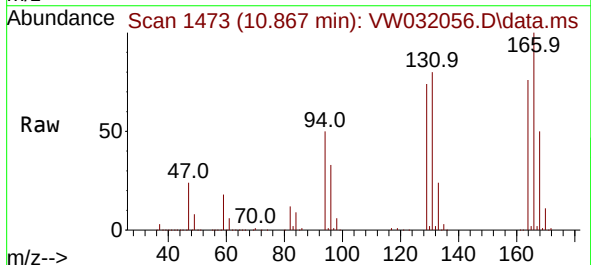
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

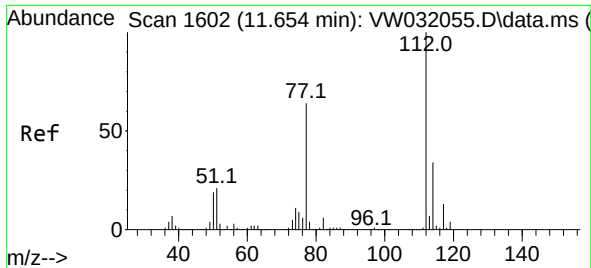
Tgt Ion:117 Resp: 387705
Ion Ratio Lower Upper
117 100
82 55.2 45.0 67.4
119 30.3 24.2 36.4



#64
Tetrachloroethene
Concen: 95.247 ug/l
RT: 10.867 min Scan# 1473
Delta R.T. -0.000 min
Lab File: VW032056.D
Acq: 11 Aug 2025 10:46

Tgt Ion:164 Resp: 213297
Ion Ratio Lower Upper
164 100
166 131.5 100.9 151.3
129 97.3 83.6 125.4
131 104.9 79.3 118.9

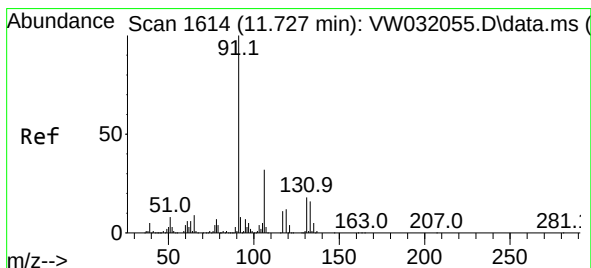
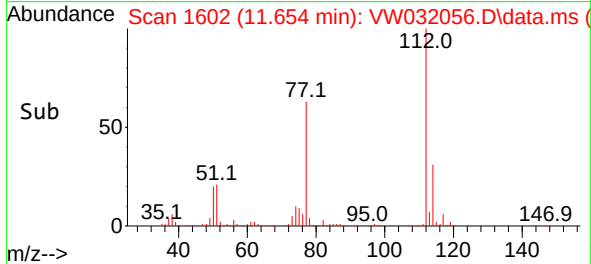
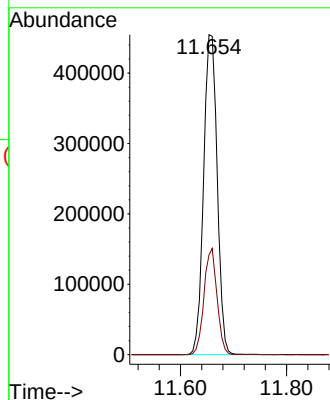
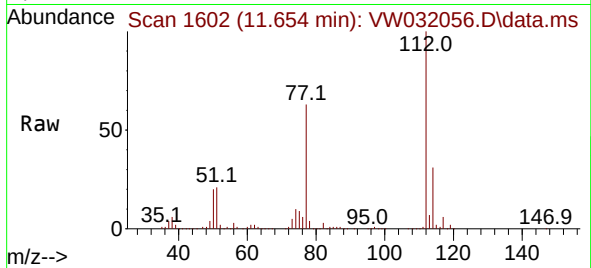




#65
Chlorobenzene
Concen: 95.819 ug/l
RT: 11.654 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW032056.D
Acq: 11 Aug 2025 10:46

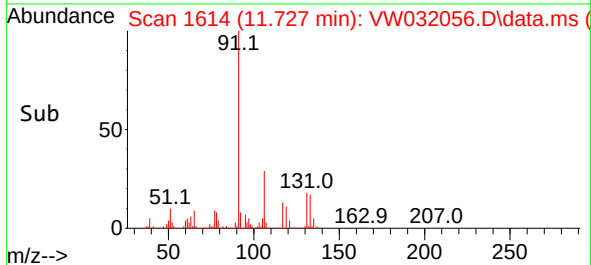
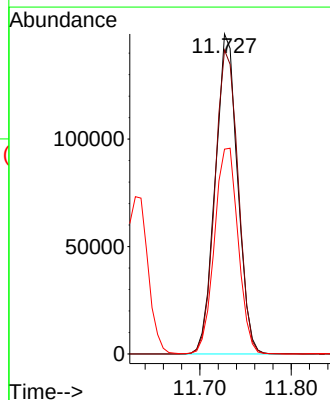
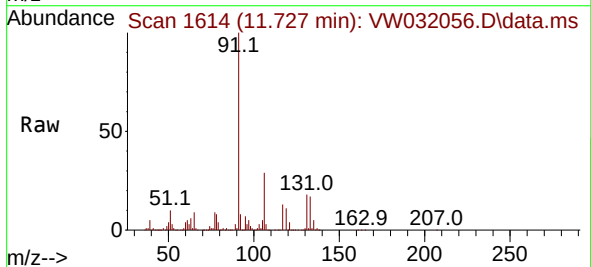
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

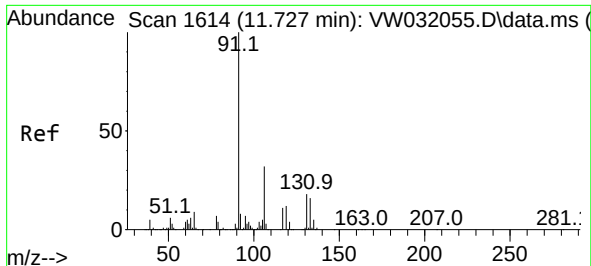
Tgt Ion:112 Resp: 808609
Ion Ratio Lower Upper
112 100
114 31.1 26.9 40.3



#66
1,1,1,2-Tetrachloroethane
Concen: 96.197 ug/l
RT: 11.727 min Scan# 1614
Delta R.T. -0.000 min
Lab File: VW032056.D
Acq: 11 Aug 2025 10:46

Tgt Ion:131 Resp: 253284
Ion Ratio Lower Upper
131 100
133 98.6 47.3 142.0
119 68.3 34.5 103.5





#67

Ethyl Benzene

Concen: 99.243 ug/l

RT: 11.727 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW032056.D

Acq: 11 Aug 2025 10:46

Instrument :

MSVOA_W

ClientSampleId :

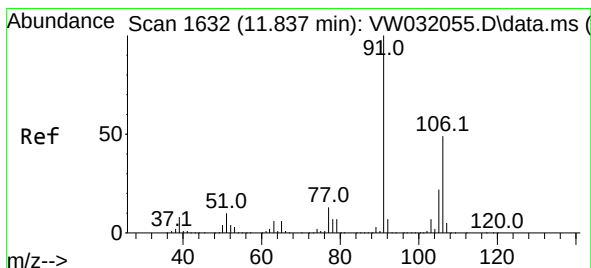
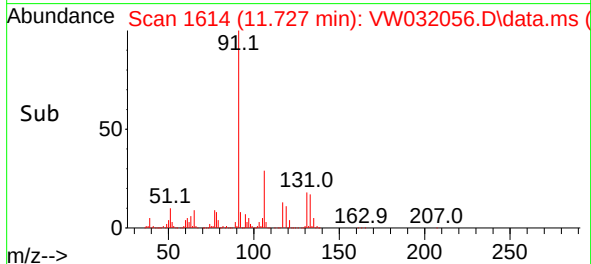
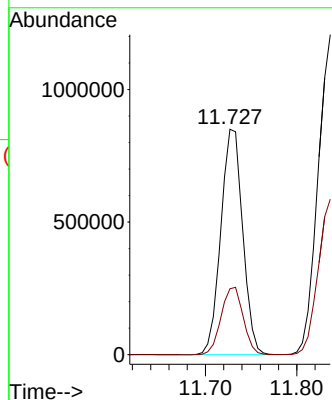
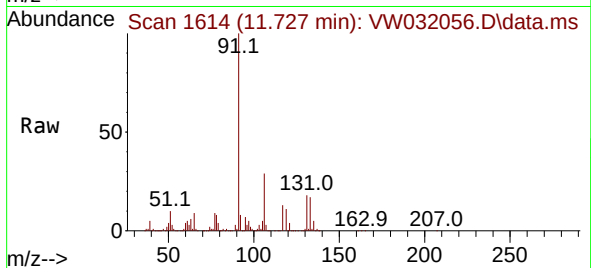
VSTDICC100

Tgt Ion: 91 Resp: 1418619

Ion Ratio Lower Upper

91 100

106 29.3 25.4 38.0



#68

m/p-Xylenes

Concen: 197.459 ug/l

RT: 11.837 min Scan# 1632

Delta R.T. 0.000 min

Lab File: VW032056.D

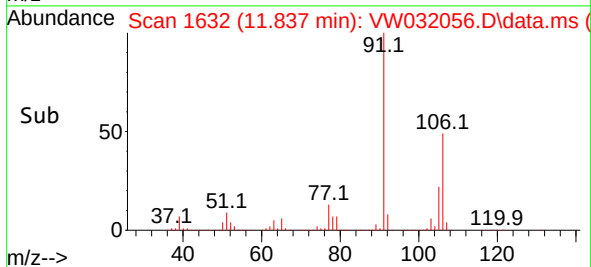
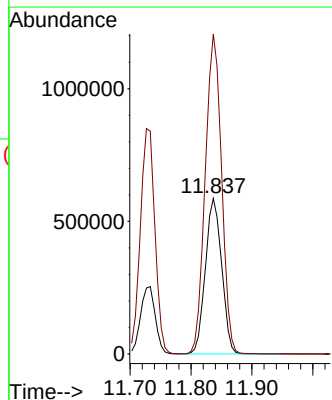
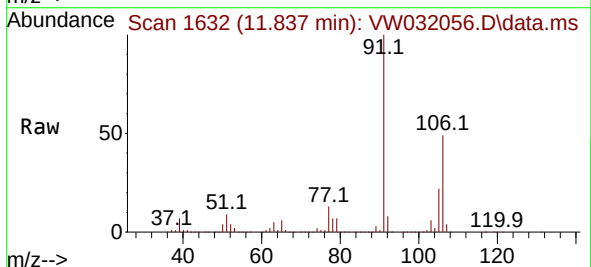
Acq: 11 Aug 2025 10:46

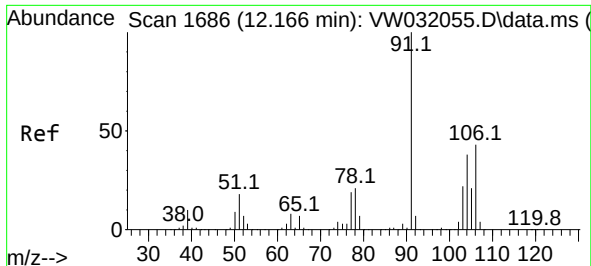
Tgt Ion:106 Resp: 1089143

Ion Ratio Lower Upper

106 100

91 206.7 162.2 243.2

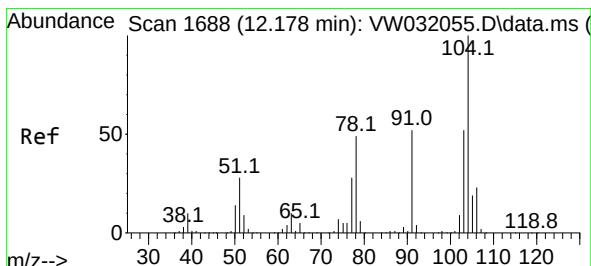
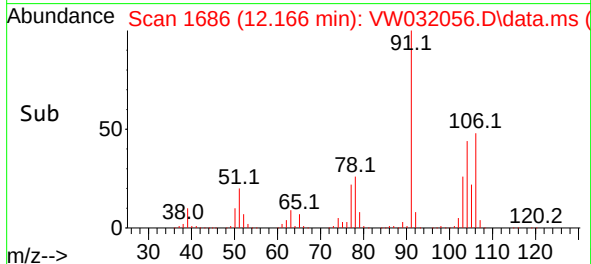
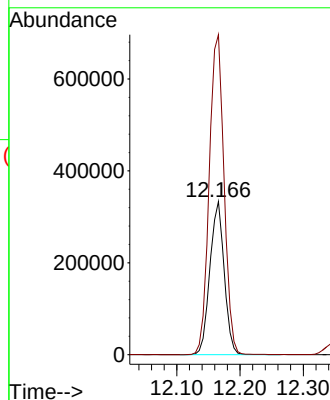
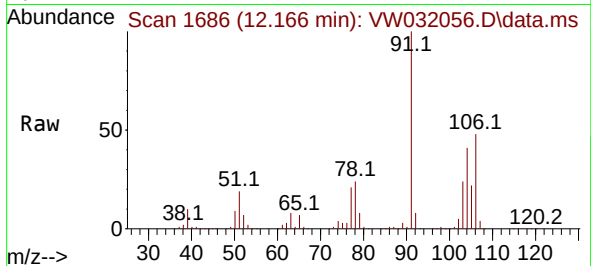




#69
o-Xylene
Concen: 102.652 ug/l
RT: 12.166 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VW032056.D
Acq: 11 Aug 2025 10:46

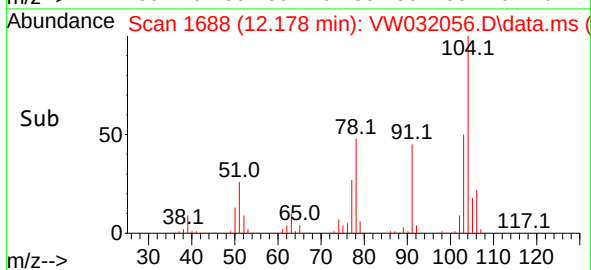
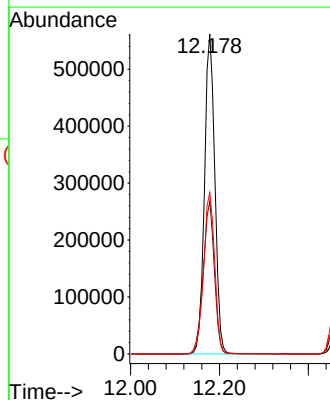
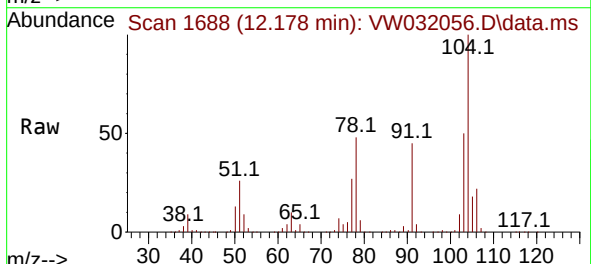
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

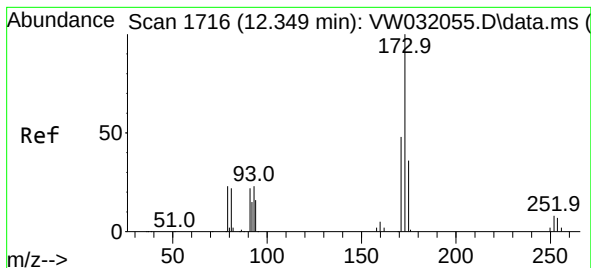
Tgt Ion:106 Resp: 523329
Ion Ratio Lower Upper
106 100
91 216.8 110.8 332.3



#70
Styrene
Concen: 101.158 ug/l
RT: 12.178 min Scan# 1688
Delta R.T. 0.000 min
Lab File: VW032056.D
Acq: 11 Aug 2025 10:46

Tgt Ion:104 Resp: 916019
Ion Ratio Lower Upper
104 100
78 51.3 41.2 61.8
103 54.3 43.8 65.8





#71

Bromoform

Concen: 96.794 ug/l

RT: 12.349 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW032056.D

Acq: 11 Aug 2025 10:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC100

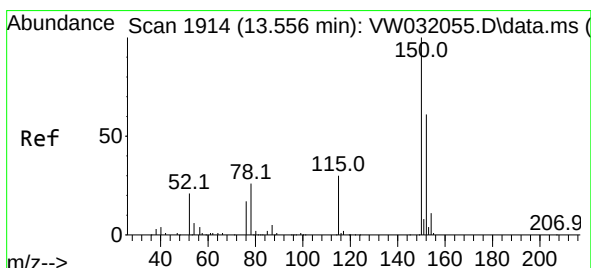
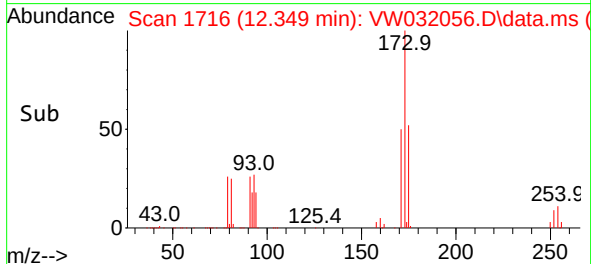
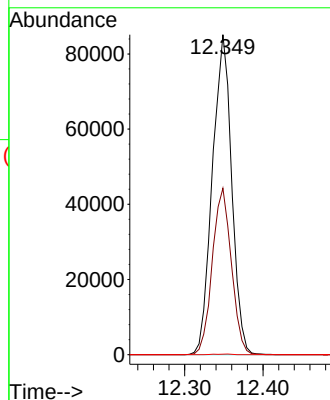
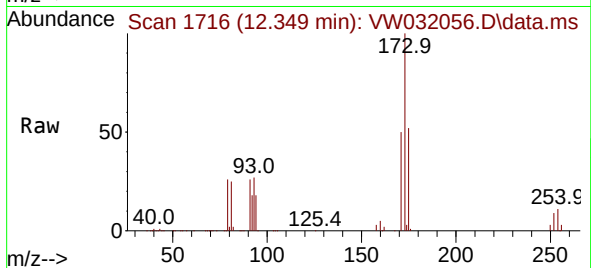
Tgt Ion:173 Resp: 145781

Ion Ratio Lower Upper

173 100

175 51.3 22.9 68.7

254 0.2 0.0 0.0#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.556 min Scan# 1914

Delta R.T. 0.000 min

Lab File: VW032056.D

Acq: 11 Aug 2025 10:46

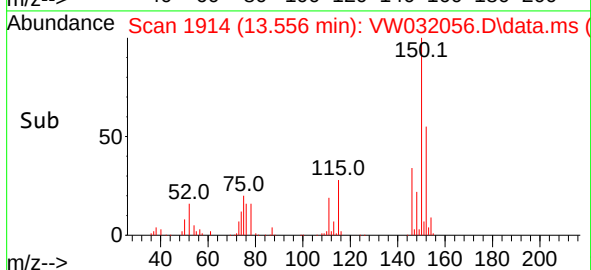
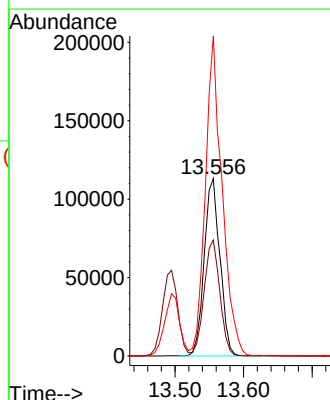
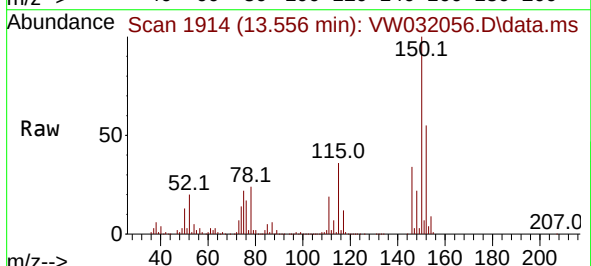
Tgt Ion:152 Resp: 180763

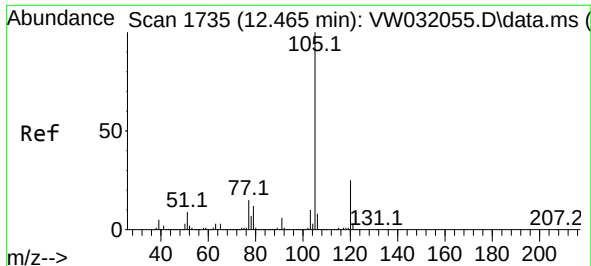
Ion Ratio Lower Upper

152 100

115 65.1 32.6 97.8

150 191.5 0.0 359.4

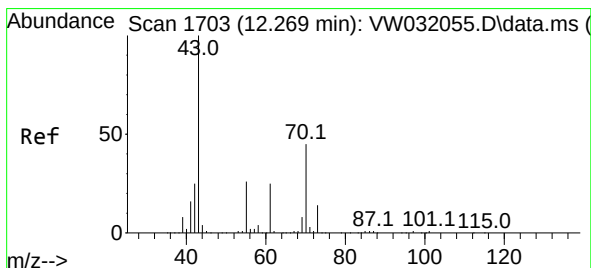
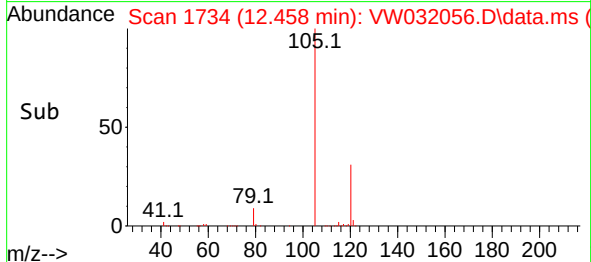
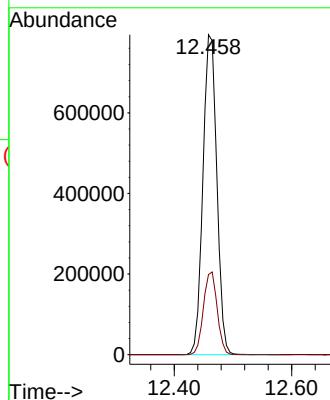
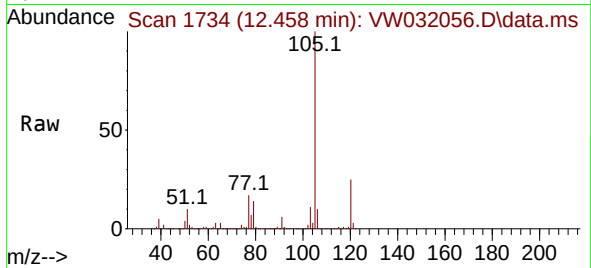




#73
Isopropylbenzene
Concen: 102.870 ug/l
RT: 12.458 min Scan# 1734
Delta R.T. -0.006 min
Lab File: VW032056.D
Acq: 11 Aug 2025 10:46

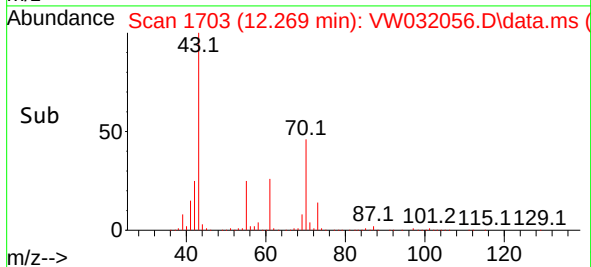
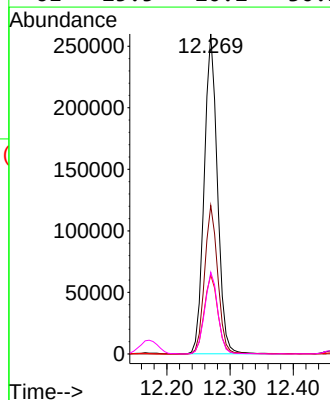
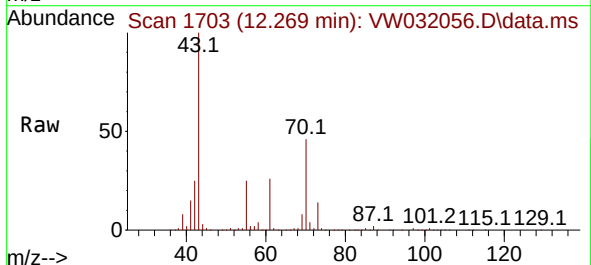
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

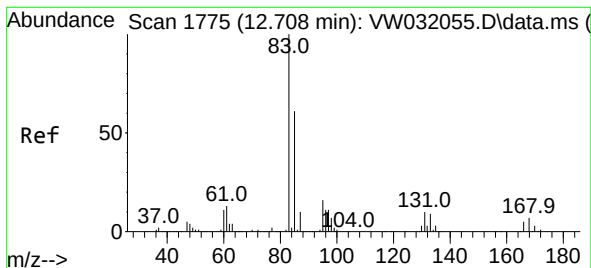
Tgt Ion:105 Resp: 1299533
Ion Ratio Lower Upper
105 100
120 25.7 12.8 38.4



#74
N-ethyl acetate
Concen: 104.494 ug/l
RT: 12.269 min Scan# 1703
Delta R.T. 0.000 min
Lab File: VW032056.D
Acq: 11 Aug 2025 10:46

Tgt Ion: 43 Resp: 378722
Ion Ratio Lower Upper
43 100
70 46.3 37.0 55.4
55 25.5 21.1 31.7
61 25.5 20.2 30.2

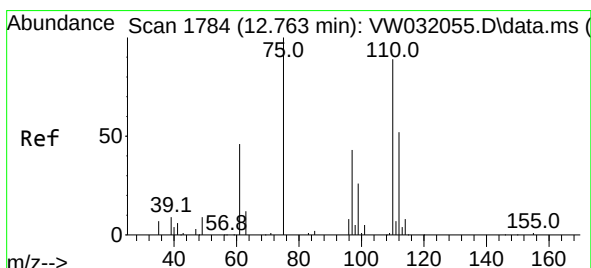
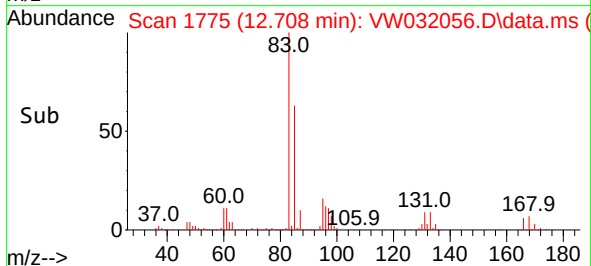
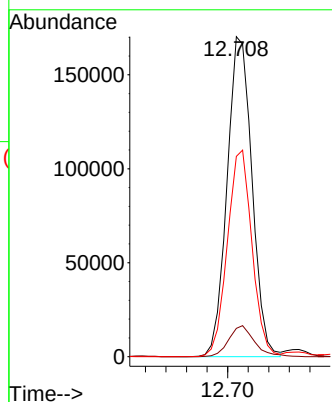
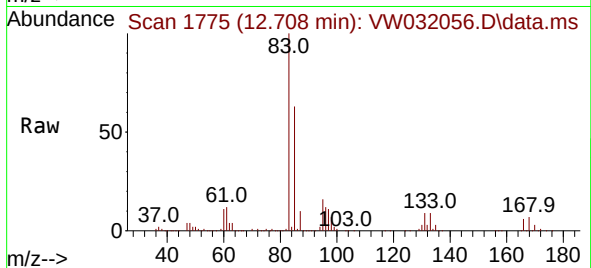




#75
1,1,2,2-Tetrachloroethane
Concen: 95.677 ug/l
RT: 12.708 min Scan# 1775
Delta R.T. -0.000 min
Lab File: VW032056.D
Acq: 11 Aug 2025 10:46

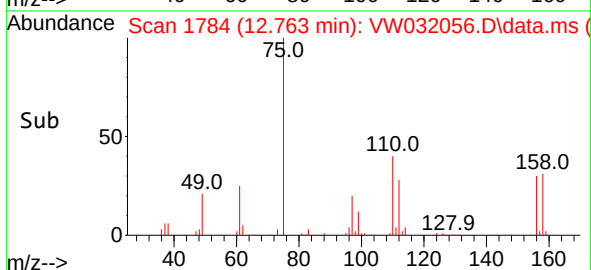
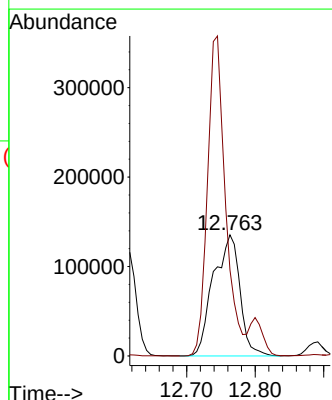
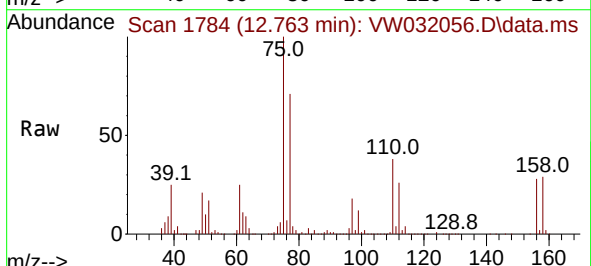
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

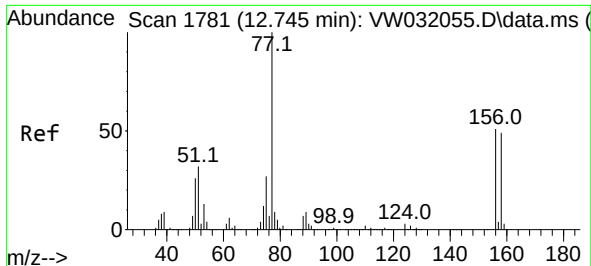
Tgt Ion: 83 Resp: 286977
Ion Ratio Lower Upper
83 100
131 10.0 5.1 15.4
85 63.9 32.2 96.6



#76
1,2,3-Trichloropropane
Concen: 130.728 ug/l
RT: 12.763 min Scan# 1784
Delta R.T. -0.000 min
Lab File: VW032056.D
Acq: 11 Aug 2025 10:46

Tgt Ion: 75 Resp: 363264
Ion Ratio Lower Upper
75 100
77 179.3 123.5 370.5

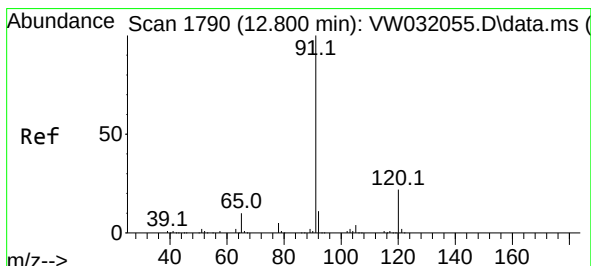
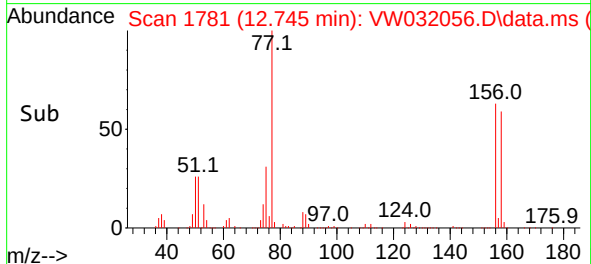
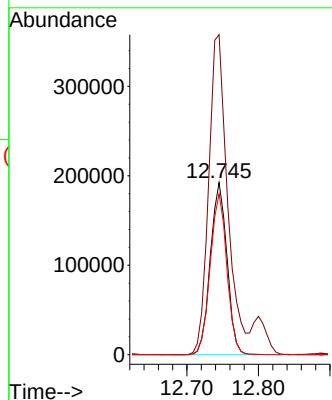
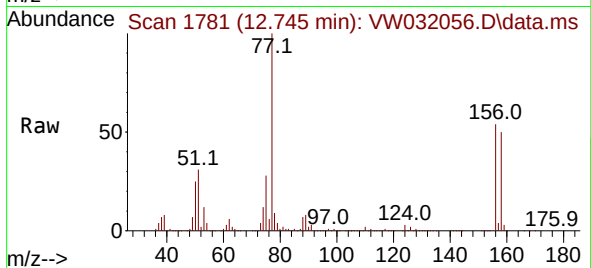




#77
Bromobenzene
Concen: 103.091 ug/l
RT: 12.745 min Scan# 1781
Delta R.T. 0.000 min
Lab File: VW032056.D
Acq: 11 Aug 2025 10:46

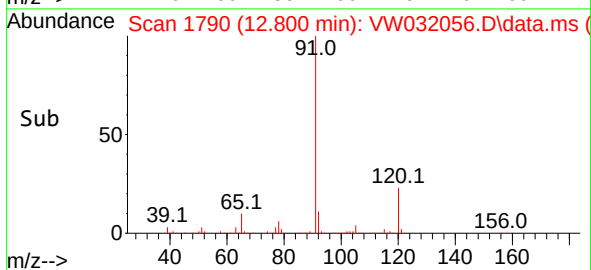
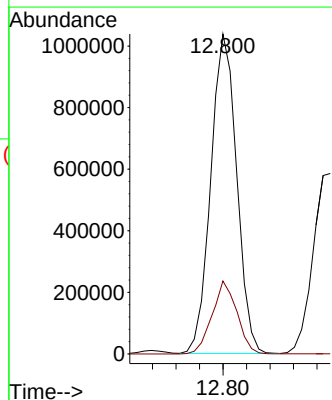
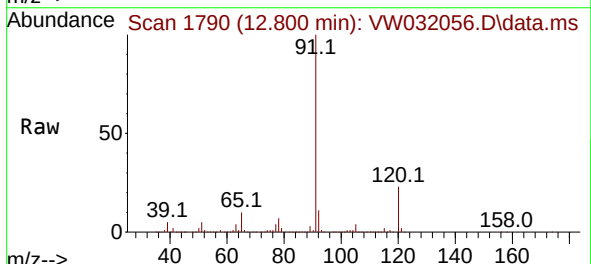
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

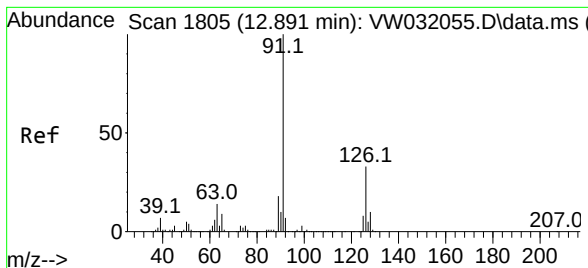
Tgt Ion:156 Resp: 311049
Ion Ratio Lower Upper
156 100
77 209.5 108.7 326.3
158 93.4 48.3 144.9



#78
n-propylbenzene
Concen: 102.177 ug/l
RT: 12.800 min Scan# 1790
Delta R.T. -0.000 min
Lab File: VW032056.D
Acq: 11 Aug 2025 10:46

Tgt Ion: 91 Resp: 1589147
Ion Ratio Lower Upper
91 100
120 21.9 11.1 33.3

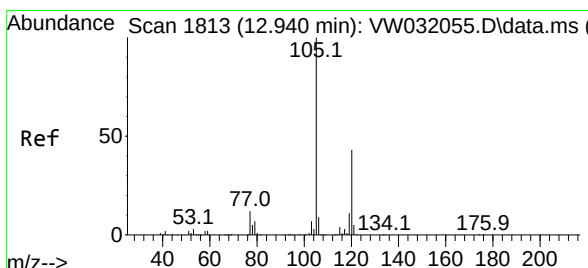
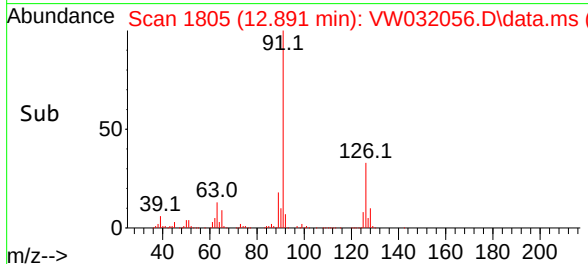
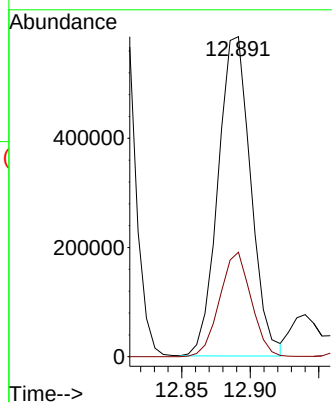
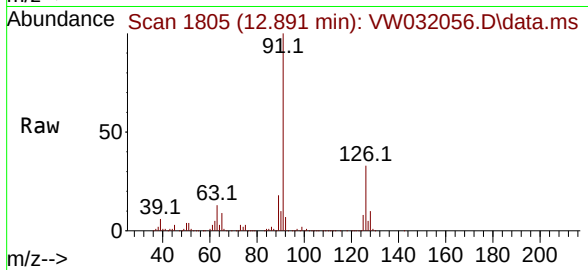




#79
2-Chlorotoluene
Concen: 101.505 ug/l
RT: 12.891 min Scan# 1805
Delta R.T. 0.000 min
Lab File: VW032056.D
Acq: 11 Aug 2025 10:46

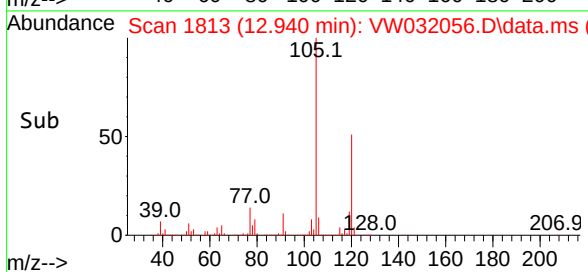
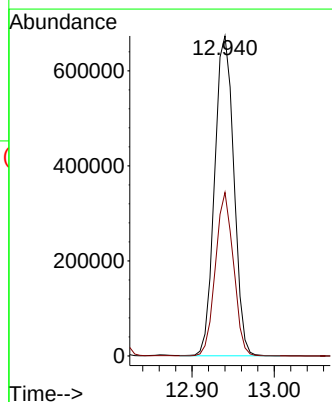
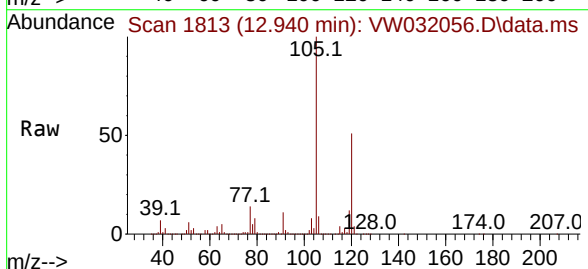
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

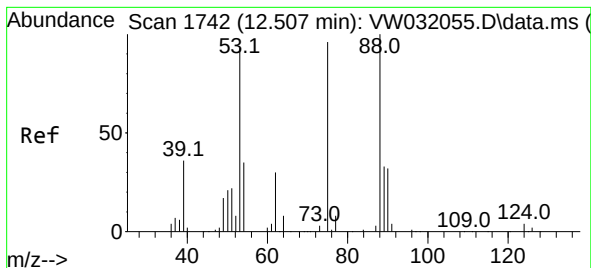
Tgt Ion: 91 Resp: 974324
Ion Ratio Lower Upper
91 100
126 31.5 15.9 47.7



#80
1,3,5-Trimethylbenzene
Concen: 101.912 ug/l
RT: 12.940 min Scan# 1813
Delta R.T. -0.000 min
Lab File: VW032056.D
Acq: 11 Aug 2025 10:46

Tgt Ion:105 Resp: 1092987
Ion Ratio Lower Upper
105 100
120 48.1 23.4 70.0

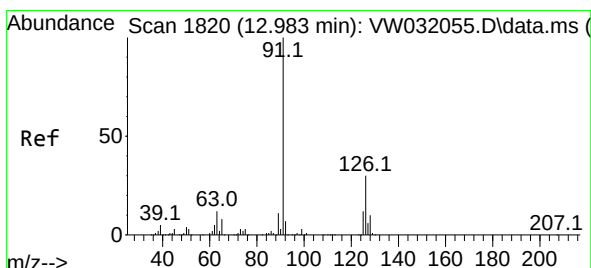
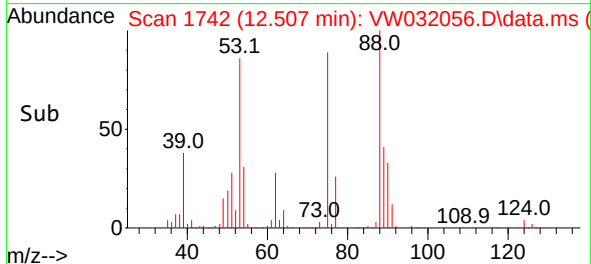
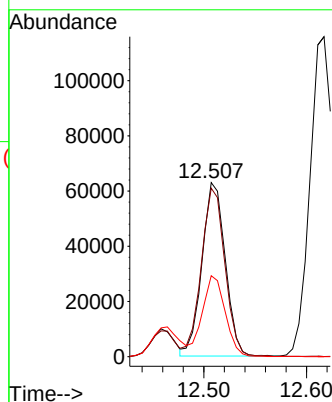
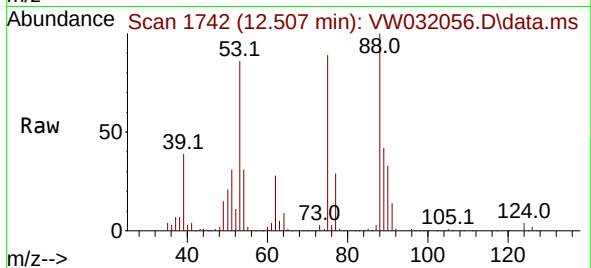




#81
trans-1,4-Dichloro-2-butene
Concen: 104.370 ug/l
RT: 12.507 min Scan# 1742
Delta R.T. -0.000 min
Lab File: VW032056.D
Acq: 11 Aug 2025 10:46

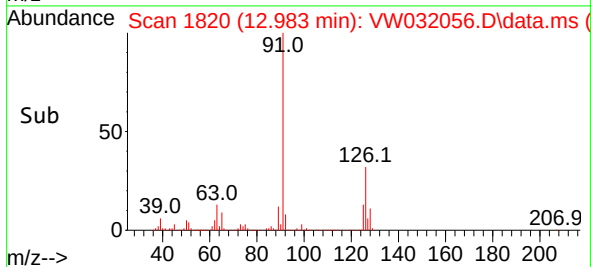
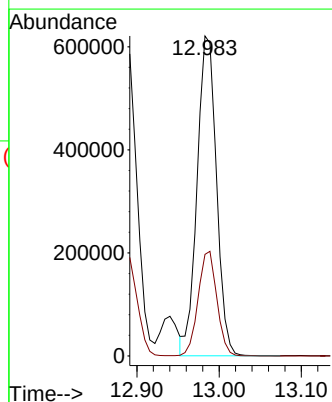
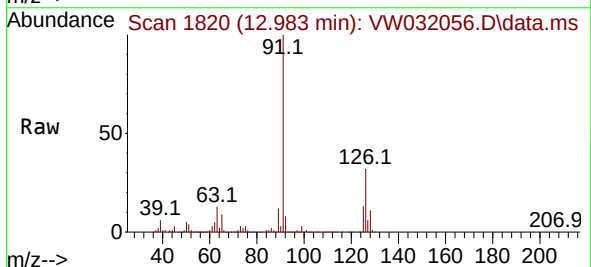
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

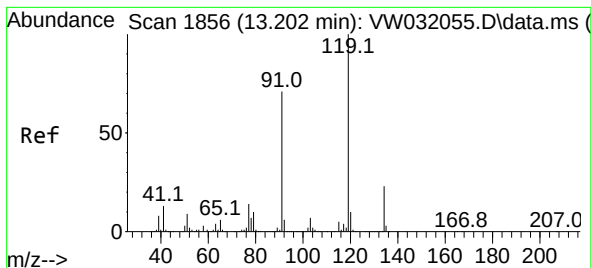
Tgt Ion:	75	Resp:	98906
Ion Ratio	Lower	Upper	
75	100		
53	99.2	81.0	121.6
89	46.2	37.3	55.9



#82
4-Chlorotoluene
Concen: 99.412 ug/l
RT: 12.983 min Scan# 1820
Delta R.T. 0.000 min
Lab File: VW032056.D
Acq: 11 Aug 2025 10:46

Tgt Ion:	91	Resp:	1013836
Ion Ratio	Lower	Upper	
91	100		
126	31.8	15.5	46.5

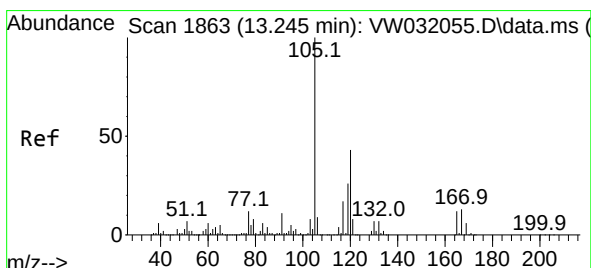
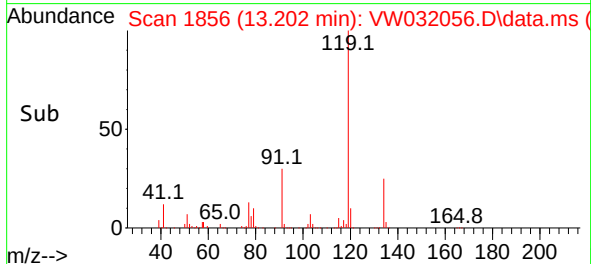
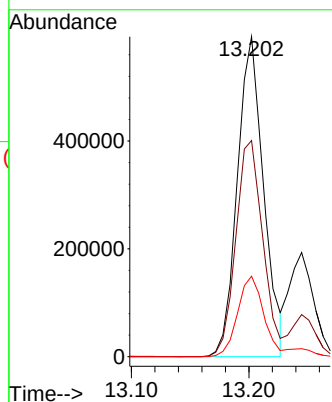
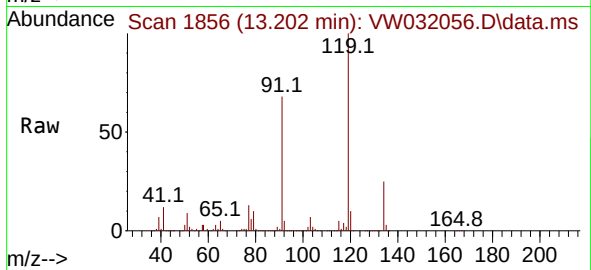




#83
tert-Butylbenzene
Concen: 103.591 ug/l
RT: 13.202 min Scan# 1856
Delta R.T. -0.000 min
Lab File: VW032056.D
Acq: 11 Aug 2025 10:46

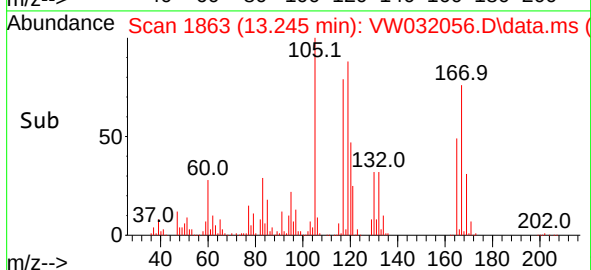
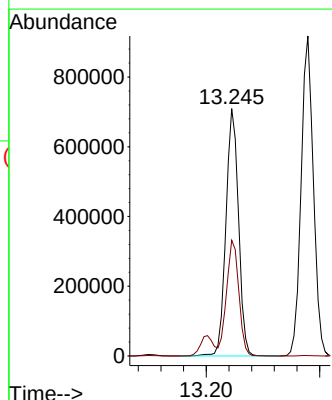
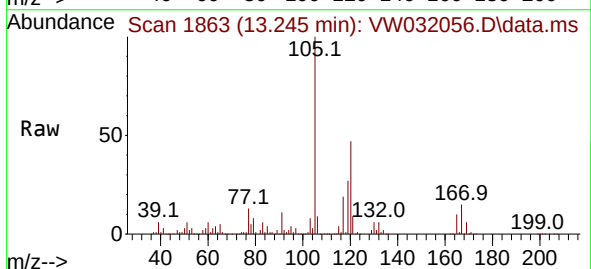
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

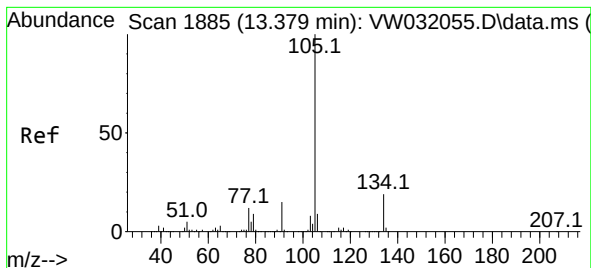
Tgt Ion:119 Resp: 922044
Ion Ratio Lower Upper
119 100
91 69.4 35.3 105.9
134 25.3 12.1 36.3



#84
1,2,4-Trimethylbenzene
Concen: 99.778 ug/l
RT: 13.245 min Scan# 1863
Delta R.T. 0.000 min
Lab File: VW032056.D
Acq: 11 Aug 2025 10:46

Tgt Ion:105 Resp: 1089327
Ion Ratio Lower Upper
105 100
120 45.7 21.6 64.8

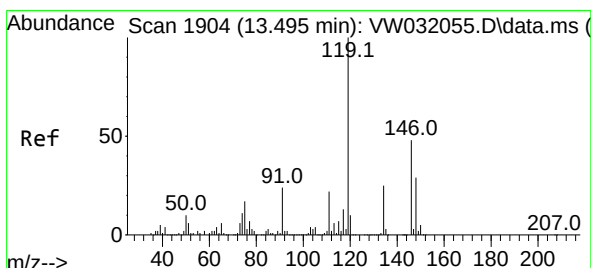
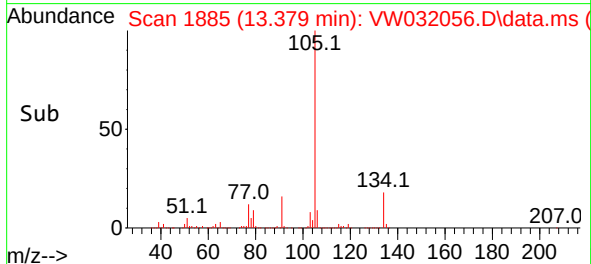
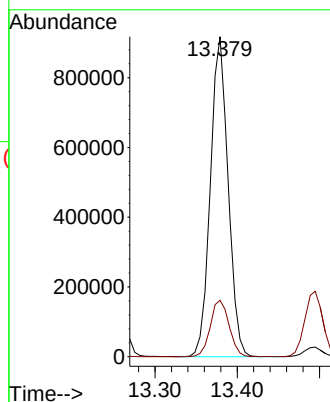
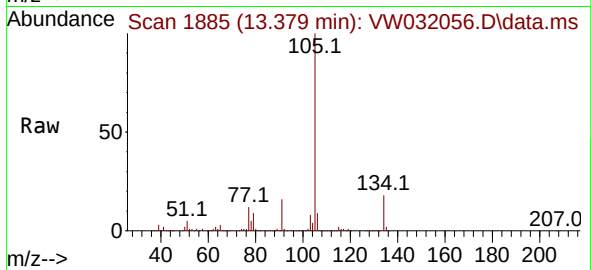




#85
 sec-Butylbenzene
 Concen: 101.978 ug/l
 RT: 13.379 min Scan# 1885
 Delta R.T. 0.000 min
 Lab File: VW032056.D
 Acq: 11 Aug 2025 10:46

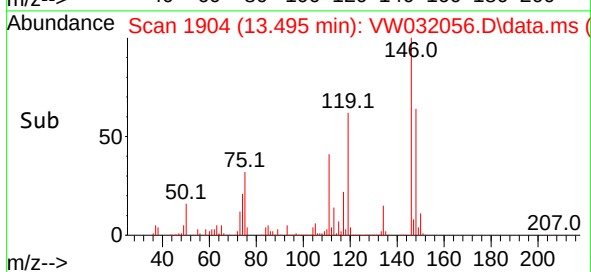
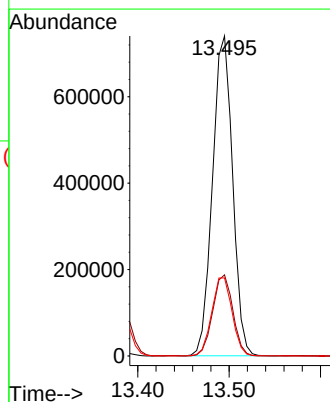
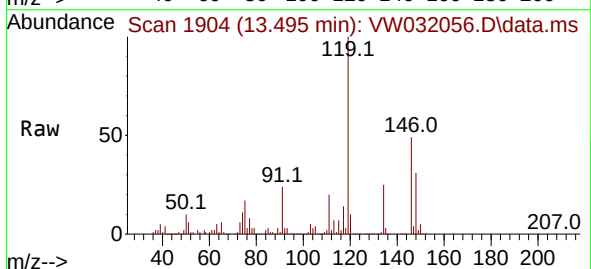
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC100

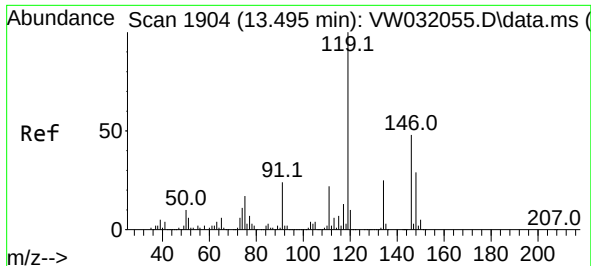
Tgt Ion:105 Resp: 1372324
 Ion Ratio Lower Upper
 105 100
 134 18.7 9.9 29.7



#86
 p-Isopropyltoluene
 Concen: 100.630 ug/l
 RT: 13.495 min Scan# 1904
 Delta R.T. 0.000 min
 Lab File: VW032056.D
 Acq: 11 Aug 2025 10:46

Tgt Ion:119 Resp: 1128935
 Ion Ratio Lower Upper
 119 100
 134 25.3 12.4 37.0
 91 24.8 12.1 36.3





#87

1,3-Dichlorobenzene

Concen: 95.298 ug/l

RT: 13.495 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VW032056.D

Acq: 11 Aug 2025 10:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC100

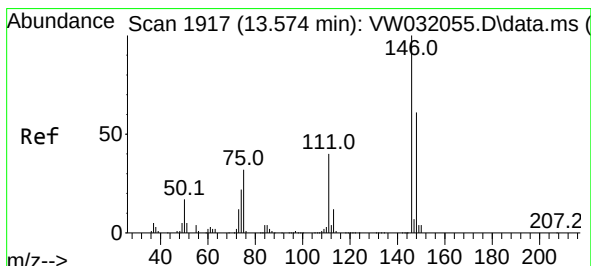
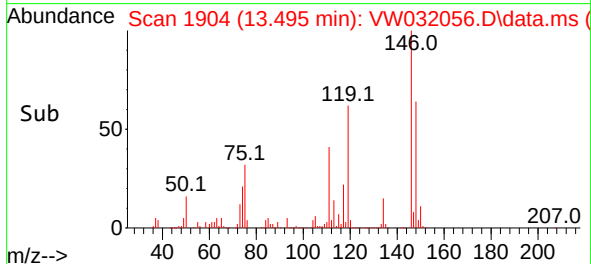
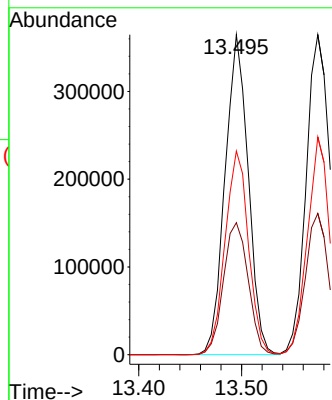
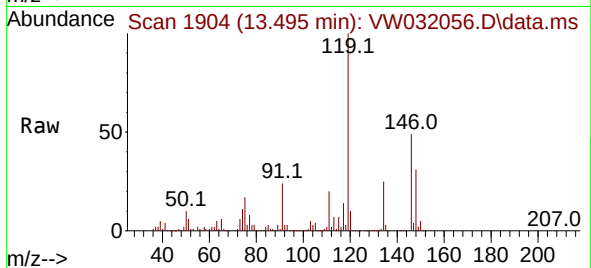
Tgt Ion:146 Resp: 572145

Ion Ratio Lower Upper

146 100

111 44.0 21.2 63.6

148 64.4 30.3 90.8



#88

1,4-Dichlorobenzene

Concen: 96.819 ug/l

RT: 13.574 min Scan# 1917

Delta R.T. -0.000 min

Lab File: VW032056.D

Acq: 11 Aug 2025 10:46

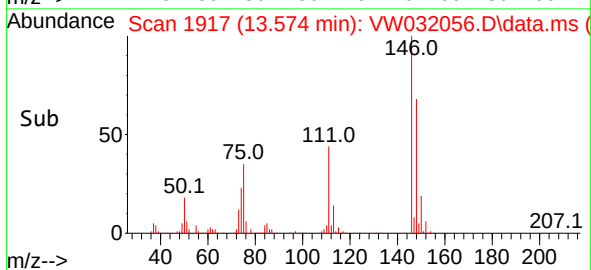
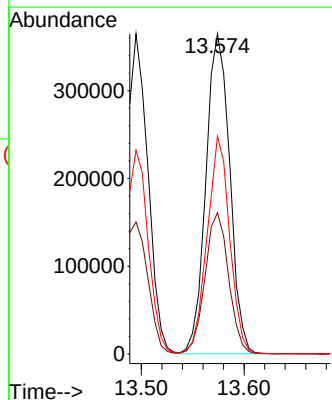
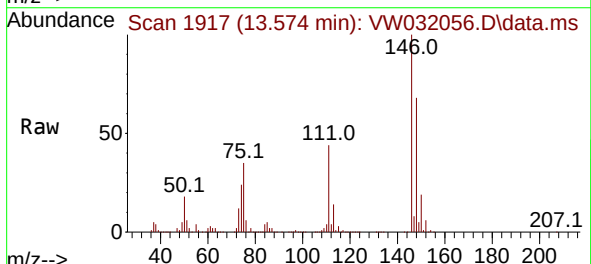
Tgt Ion:146 Resp: 587417

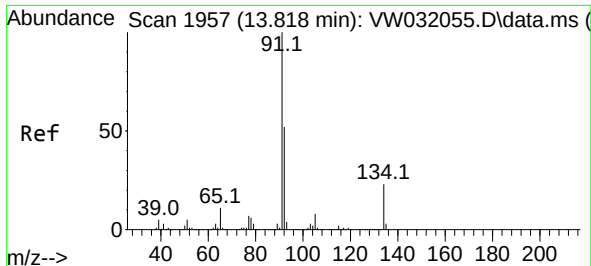
Ion Ratio Lower Upper

146 100

111 43.7 21.6 64.6

148 64.3 32.0 96.2

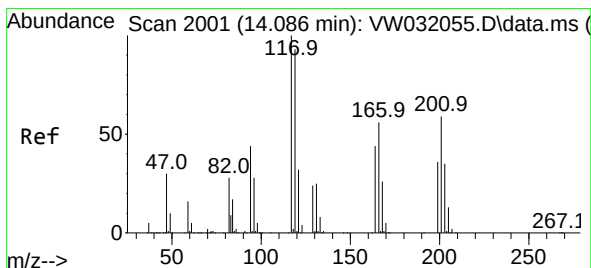
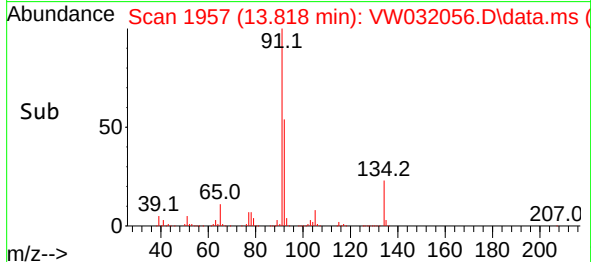
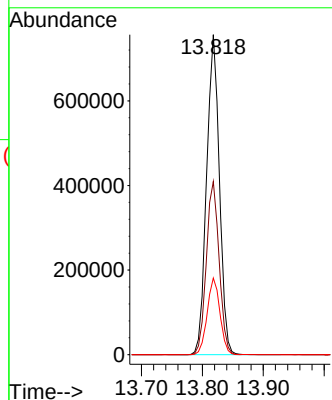
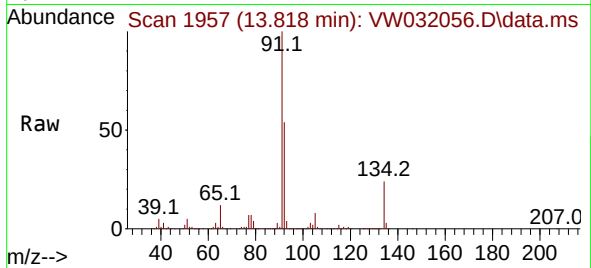




#89
n-Butylbenzene
Concen: 101.235 ug/l
RT: 13.818 min Scan# 1957
Delta R.T. 0.000 min
Lab File: VW032056.D
Acq: 11 Aug 2025 10:46

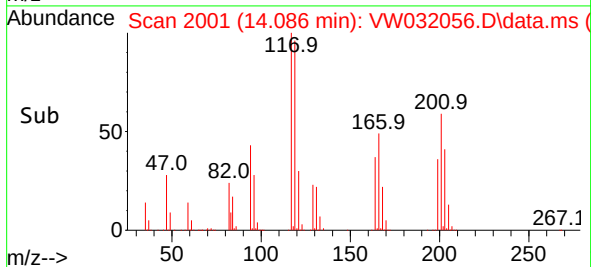
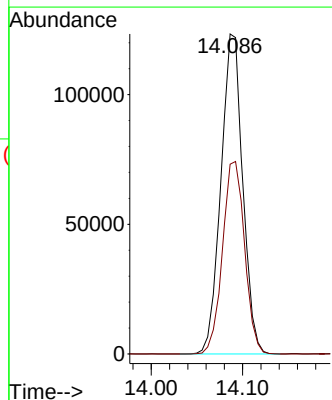
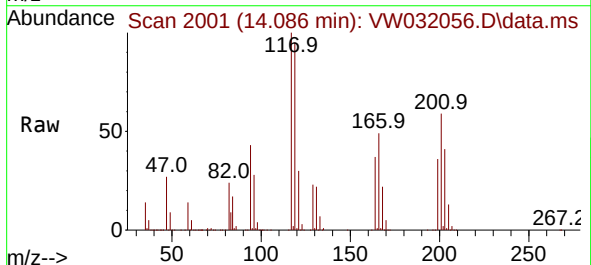
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

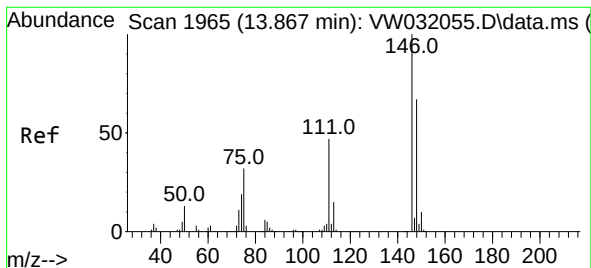
Tgt Ion: 91 Resp: 1103362
Ion Ratio Lower Upper
91 100
92 54.3 26.7 80.1
134 24.0 12.0 36.1



#90
Hexachloroethane
Concen: 99.832 ug/l
RT: 14.086 min Scan# 2001
Delta R.T. -0.000 min
Lab File: VW032056.D
Acq: 11 Aug 2025 10:46

Tgt Ion: 117 Resp: 204823
Ion Ratio Lower Upper
117 100
201 60.9 30.9 92.5

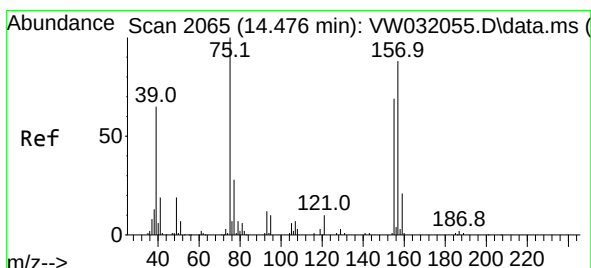
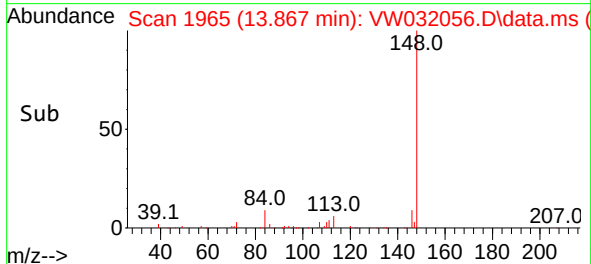
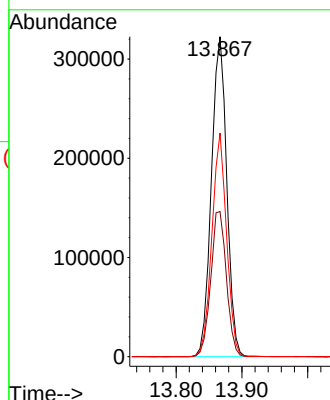
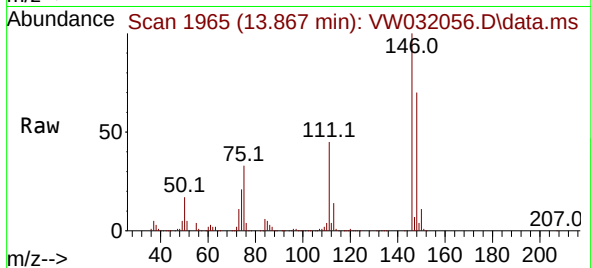




#91
1,2-Dichlorobenzene
Concen: 96.387 ug/l
RT: 13.867 min Scan# 1965
Delta R.T. 0.000 min
Lab File: VW032056.D
Acq: 11 Aug 2025 10:46

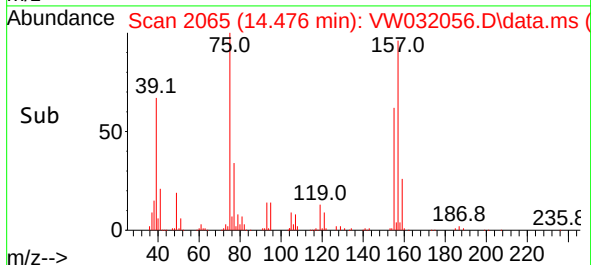
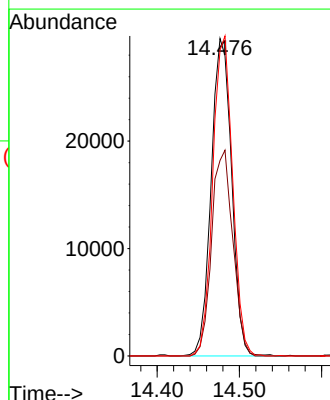
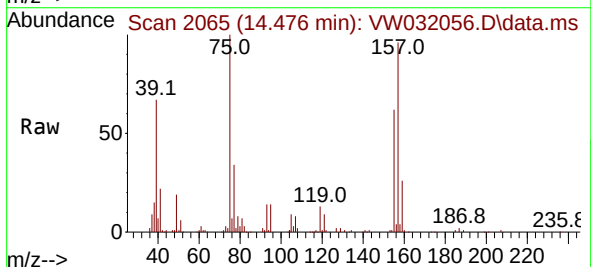
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

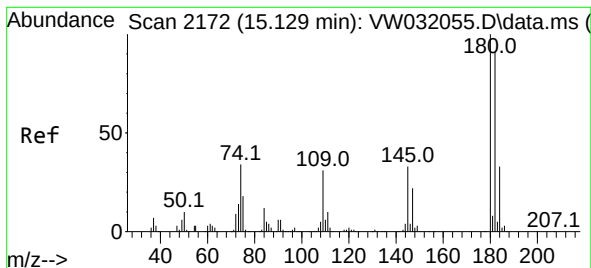
Tgt Ion:146 Resp: 524204
Ion Ratio Lower Upper
146 100
111 46.3 23.1 69.3
148 67.0 32.9 98.6



#92
1,2-Dibromo-3-Chloropropane
Concen: 95.632 ug/l
RT: 14.476 min Scan# 2065
Delta R.T. 0.000 min
Lab File: VW032056.D
Acq: 11 Aug 2025 10:46

Tgt Ion: 75 Resp: 50993
Ion Ratio Lower Upper
75 100
155 67.2 35.2 105.6
157 97.8 47.5 142.6





#93

1,2,4-Trichlorobenzene

Concen: 104.094 ug/l

RT: 15.129 min Scan# 2172

Delta R.T. -0.000 min

Lab File: VW032056.D

Acq: 11 Aug 2025 10:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC100

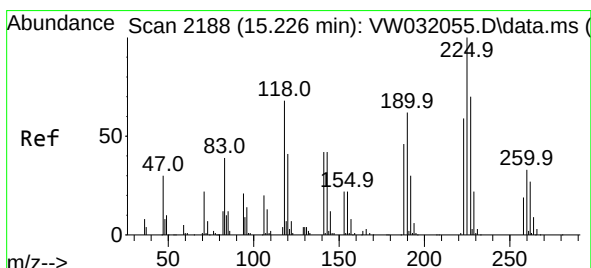
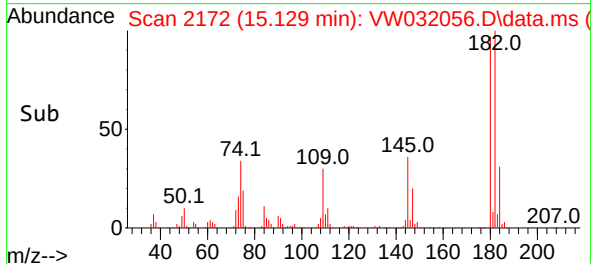
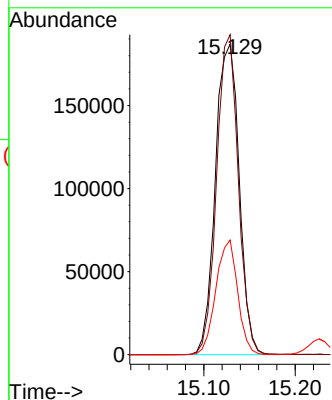
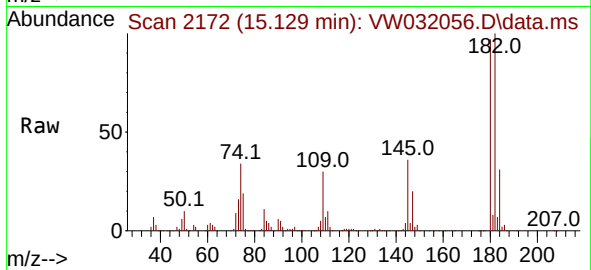
Tgt Ion:180 Resp: 338661

Ion Ratio Lower Upper

180 100

182 94.1 49.0 147.0

145 33.9 17.3 51.9



#94

Hexachlorobutadiene

Concen: 95.189 ug/l

RT: 15.226 min Scan# 2188

Delta R.T. 0.000 min

Lab File: VW032056.D

Acq: 11 Aug 2025 10:46

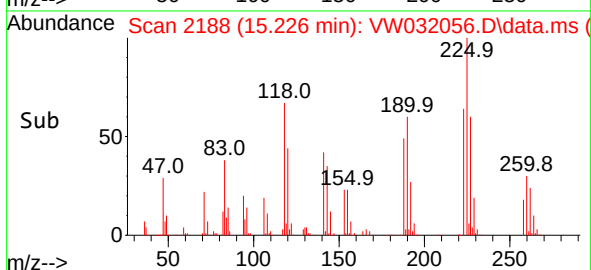
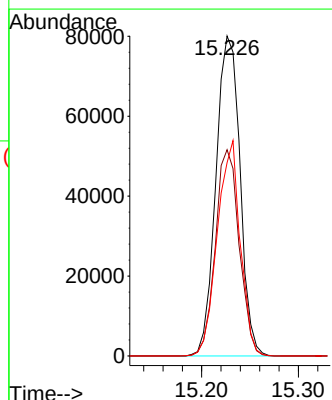
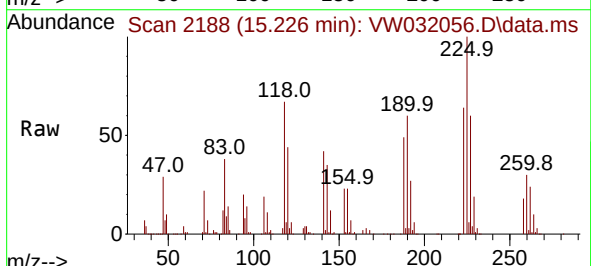
Tgt Ion:225 Resp: 138434

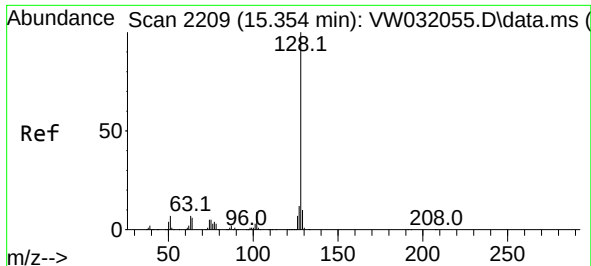
Ion Ratio Lower Upper

225 100

223 63.9 31.8 95.3

227 64.1 33.5 100.5

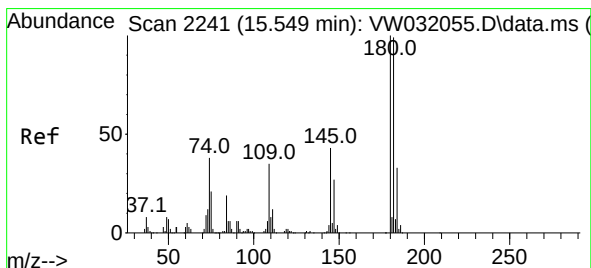
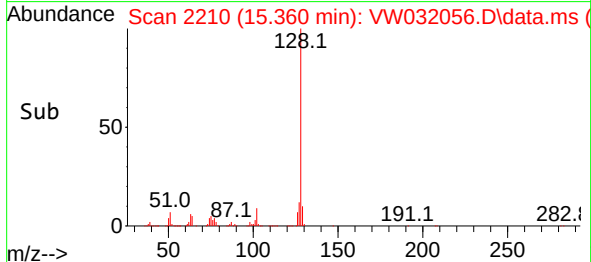
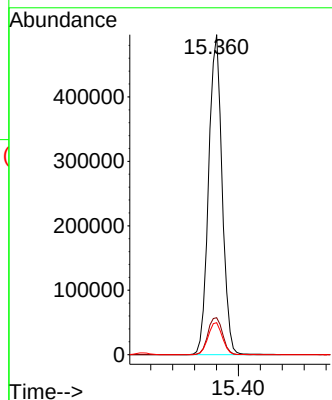
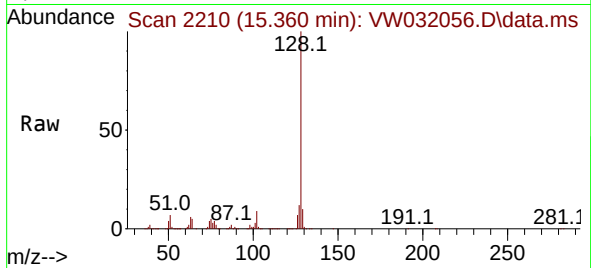




#95
Naphthalene
Concen: 105.533 ug/l
RT: 15.360 min Scan# 2210
Delta R.T. 0.006 min
Lab File: VW032056.D
Acq: 11 Aug 2025 10:46

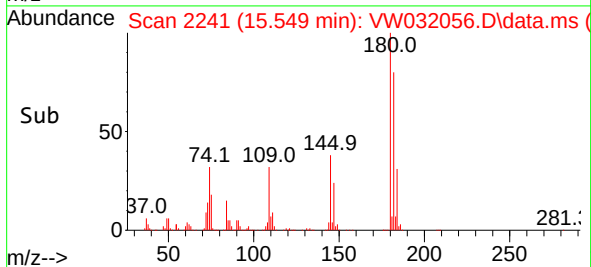
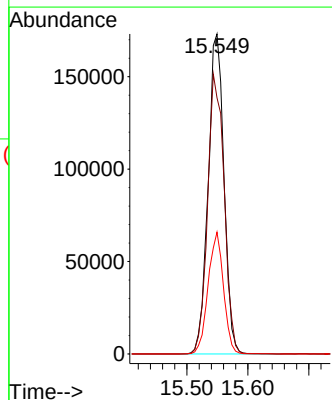
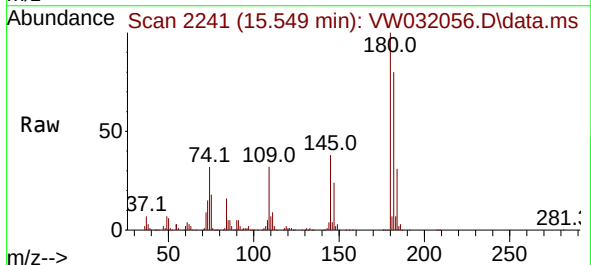
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tgt Ion:128 Resp: 841296
Ion Ratio Lower Upper
128 100
127 12.7 10.5 15.7
129 10.6 8.2 12.4



#96
1,2,3-Trichlorobenzene
Concen: 105.748 ug/l
RT: 15.549 min Scan# 2241
Delta R.T. -0.000 min
Lab File: VW032056.D
Acq: 11 Aug 2025 10:46

Tgt Ion:180 Resp: 313033
Ion Ratio Lower Upper
180 100
182 91.1 46.0 138.0
145 36.9 19.2 57.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081125\
 Data File : VW032057.D
 Acq On : 11 Aug 2025 11:08
 Operator : SY/MD
 Sample : VSTDICC150
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC150

Quant Time: Aug 12 03:40:18 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 12 03:34:13 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.959	168	224613	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	422167	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	375277	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.550	152	172321	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	469688	144.584	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	= 289.160%#	
35) Dibromofluoromethane	7.898	113	393306	144.207	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	= 288.420%#	
50) Toluene-d8	10.331	98	1492050	147.908	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	= 295.820%#	
62) 4-Bromofluorobenzene	12.617	95	558308	150.185	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	= 300.380%#	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.046	85	218953	136.294	ug/l	100
3) Chloromethane	2.253	50	315772	145.923	ug/l	97
4) Vinyl Chloride	2.405	62	362119	138.343	ug/l	95
5) Bromomethane	2.808	94	271810	138.413	ug/l	98
6) Chloroethane	2.966	64	247890	143.117	ug/l	99
7) Trichlorofluoromethane	3.301	101	339384	161.851	ug/l	98
8) Diethyl Ether	3.722	74	254566	148.178	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.100	101	343759	138.957	ug/l	99
10) Methyl Iodide	4.301	142	514954	146.812	ug/l	100
11) Tert butyl alcohol	5.222	59	164147	780.336	ug/l	99
12) 1,1-Dichloroethene	4.076	96	388559	142.642	ug/l	94
13) Acrolein	3.929	56	224901	671.009	ug/l	98
14) Allyl chloride	4.704	41	600290	151.415	ug/l	99
15) Acrylonitrile	5.399	53	629942	769.843	ug/l	99
16) Acetone	4.161	43	528585	702.794	ug/l	100
17) Carbon Disulfide	4.423	76	1081188	147.872	ug/l	98
18) Methyl Acetate	4.710	43	371024	155.895	ug/l	99
19) Methyl tert-butyl Ether	5.466	73	719923	149.999	ug/l	100
20) Methylene Chloride	4.960	84	437275	125.744	ug/l	95
21) trans-1,2-Dichloroethene	5.454	96	427242	147.794	ug/l	96
22) Diisopropyl ether	6.344	45	1260898	150.866	ug/l	98
23) Vinyl Acetate	6.283	43	4356523	793.927	ug/l	99
24) 1,1-Dichloroethane	6.240	63	782153	146.472	ug/l	99
25) 2-Butanone	7.191	43	837991	783.936	ug/l	100
26) 2,2-Dichloropropane	7.185	77	393976	147.064	ug/l	100
27) cis-1,2-Dichloroethene	7.191	96	518413	153.420	ug/l	98
28) Bromochloromethane	7.532	49	356684	146.781	ug/l	99
29) Tetrahydrofuran	7.551	42	549203	779.054	ug/l	99
30) Chloroform	7.691	83	823850	145.528	ug/l	98
31) Cyclohexane	7.971	56	645762	139.490	ug/l	98
32) 1,1,1-Trichloroethane	7.886	97	591372	143.816	ug/l	98
36) 1,1-Dichloropropene	8.093	75	556189	144.659	ug/l	99
37) Ethyl Acetate	7.276	43	348970	154.109	ug/l	99
38) Carbon Tetrachloride	8.087	117	544688	146.799	ug/l	97
39) Methylcyclohexane	9.343	83	732413	156.286	ug/l	99
40) Benzene	8.337	78	1770706	148.159	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081125\
 Data File : VW032057.D
 Acq On : 11 Aug 2025 11:08
 Operator : SY/MD
 Sample : VSTDICC150
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC150

Quant Time: Aug 12 03:40:18 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 12 03:34:13 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.502	41	205729	160.204	ug/l	97
42) 1,2-Dichloroethane	8.410	62	552184	144.388	ug/l	100
43) Isopropyl Acetate	8.435	43	665712	159.788	ug/l	100
44) Trichloroethene	9.099	130	424873	149.281	ug/l	93
45) 1,2-Dichloropropane	9.374	63	429280	148.679	ug/l	100
46) Dibromomethane	9.465	93	277058	148.678	ug/l	99
47) Bromodichloromethane	9.648	83	653476	152.185	ug/l	99
48) Methyl methacrylate	9.441	41	330511	164.326	ug/l	99
49) 1,4-Dioxane	9.459	88	79016	3279.484	ug/l #	83
51) 4-Methyl-2-Pentanone	10.215	43	1817273	772.800	ug/l	99
52) Toluene	10.392	92	1142813	151.812	ug/l	96
53) t-1,3-Dichloropropene	10.605	75	654765	162.760	ug/l	99
54) cis-1,3-Dichloropropene	10.075	75	716583	157.011	ug/l	98
55) 1,1,2-Trichloroethane	10.788	97	364680	147.271	ug/l	98
56) Ethyl methacrylate	10.648	69	553265	166.963	ug/l	99
57) 1,3-Dichloropropane	10.934	76	644418	149.298	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.928	63	1437682	784.377	ug/l	99
59) 2-Hexanone	10.971	43	1278917	785.288	ug/l	98
60) Dibromochloromethane	11.129	129	442362	156.387	ug/l	99
61) 1,2-Dibromoethane	11.239	107	363192	150.929	ug/l	96
64) Tetrachloroethene	10.867	164	326491	150.622	ug/l	94
65) Chlorobenzene	11.660	112	1230240	150.609	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.727	131	400167	157.017	ug/l	97
67) Ethyl Benzene	11.733	91	2162983	156.328	ug/l	97
68) m/p-Xylenes	11.837	106	1643338	307.801	ug/l	100
69) o-Xylene	12.166	106	786831	159.450	ug/l	99
70) Styrene	12.178	104	1406640	160.482	ug/l	97
71) Bromoform	12.349	173	238675	163.720	ug/l #	93
73) Isopropylbenzene	12.464	105	1977280	164.188	ug/l	99
74) N-amyl acetate	12.269	43	589285	170.556	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.708	83	449708	157.276	ug/l	100
76) 1,2,3-Trichloropropane	12.763	75	576261	217.539	ug/l	55
77) Bromobenzene	12.745	156	440559	153.167	ug/l	98
78) n-propylbenzene	12.800	91	2346333	158.253	ug/l	99
79) 2-Chlorotoluene	12.891	91	1434986	156.820	ug/l	99
80) 1,3,5-Trimethylbenzene	12.940	105	1639597	160.368	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.507	75	157641	174.499	ug/l	96
82) 4-Chlorotoluene	12.983	91	1515300	155.863	ug/l	98
83) tert-Butylbenzene	13.202	119	1383127	163.006	ug/l	98
84) 1,2,4-Trimethylbenzene	13.245	105	1646381	158.189	ug/l	100
85) sec-Butylbenzene	13.379	105	2047763	159.625	ug/l	99
86) p-Isopropyltoluene	13.495	119	1712519	160.127	ug/l	100
87) 1,3-Dichlorobenzene	13.495	146	867827	151.629	ug/l	97
88) 1,4-Dichlorobenzene	13.574	146	851057	147.144	ug/l	99
89) n-Butylbenzene	13.818	91	1657492	159.527	ug/l	98
90) Hexachloroethane	14.086	117	322461	164.868	ug/l	98
91) 1,2-Dichlorobenzene	13.867	146	798257	153.968	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.476	75	81063	159.472	ug/l	94
93) 1,2,4-Trichlorobenzene	15.123	180	499355	161.006	ug/l	98
94) Hexachlorobutadiene	15.226	225	218963	157.938	ug/l	97
95) Naphthalene	15.360	128	1348344	177.424	ug/l	99
96) 1,2,3-Trichlorobenzene	15.543	180	466811	165.423	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081125\
Data File : VW032057.D
Acq On : 11 Aug 2025 11:08
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

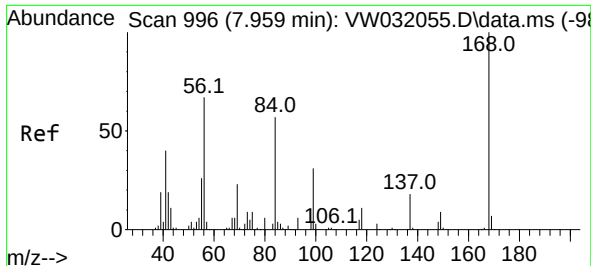
Quant Time: Aug 12 03:40:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 12 03:34:13 2025
Response via : Initial Calibration

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

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16
- 17
- 18
- 19

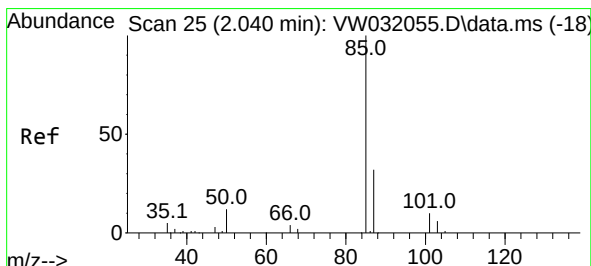
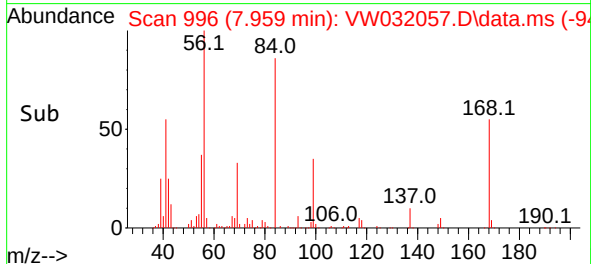
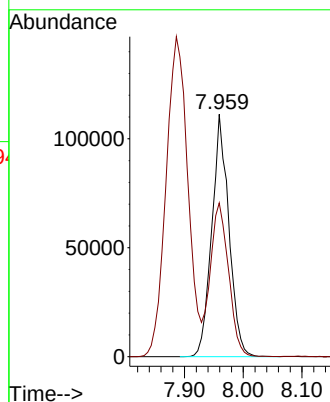
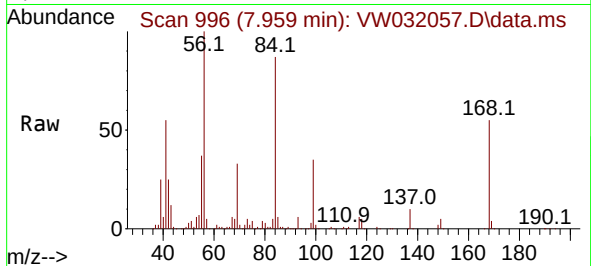
[illegible]



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 996
Delta R.T. 0.000 min
Lab File: VW032057.D
Acq: 11 Aug 2025 11:08

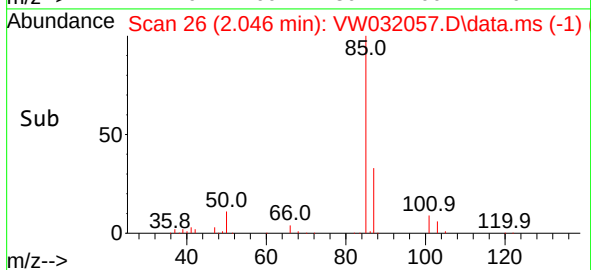
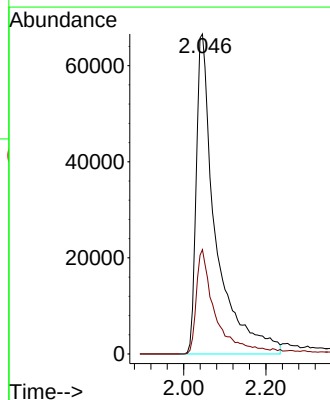
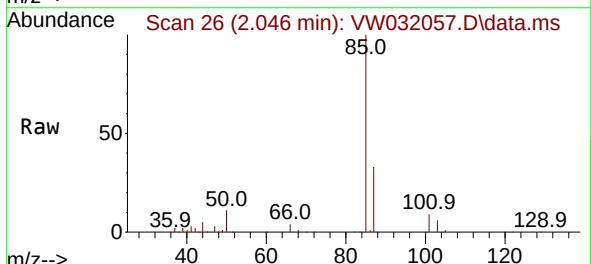
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

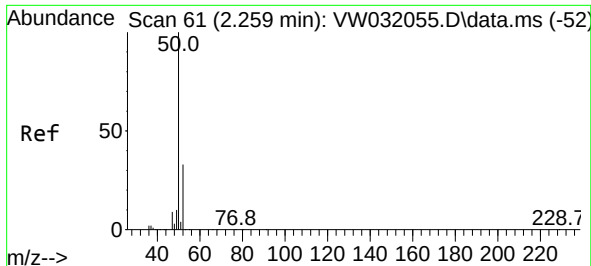
Tgt Ion:168 Resp: 224613
Ion Ratio Lower Upper
168 100
99 63.4 56.0 84.0



#2
Dichlorodifluoromethane
Concen: 136.294 ug/l
RT: 2.046 min Scan# 26
Delta R.T. 0.006 min
Lab File: VW032057.D
Acq: 11 Aug 2025 11:08

Tgt Ion: 85 Resp: 218953
Ion Ratio Lower Upper
85 100
87 32.6 16.2 48.6

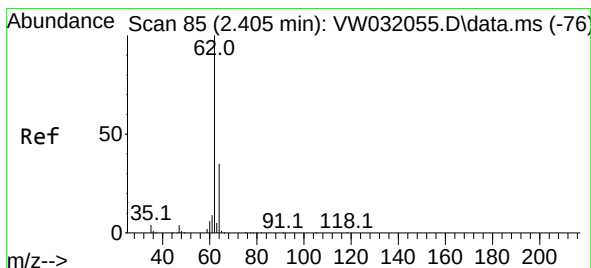
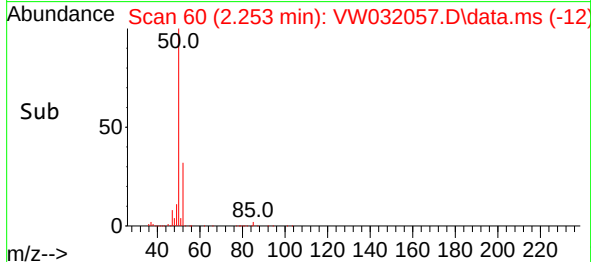
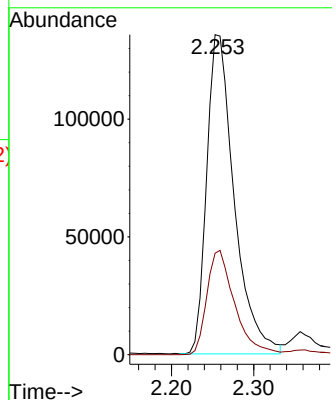
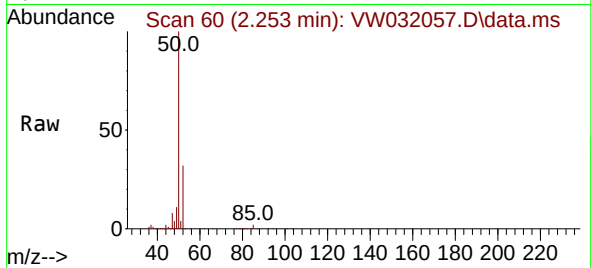




#3
Chloromethane
Concen: 145.923 ug/l
RT: 2.253 min Scan# 60
Delta R.T. -0.006 min
Lab File: VW032057.D
Acq: 11 Aug 2025 11:08

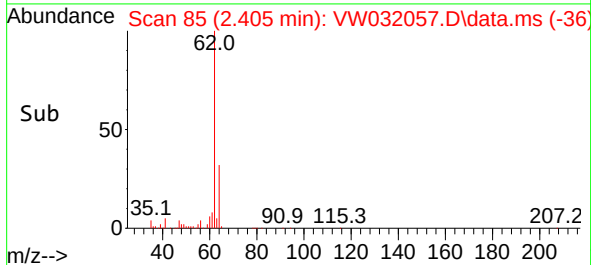
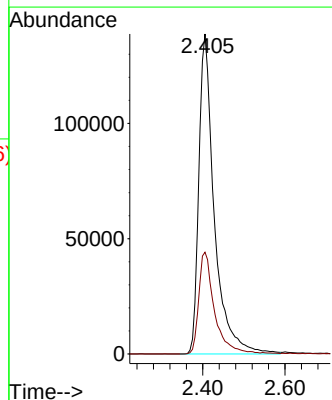
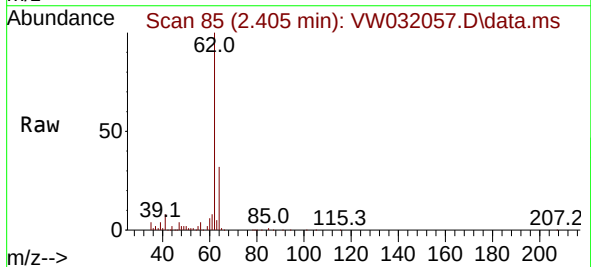
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

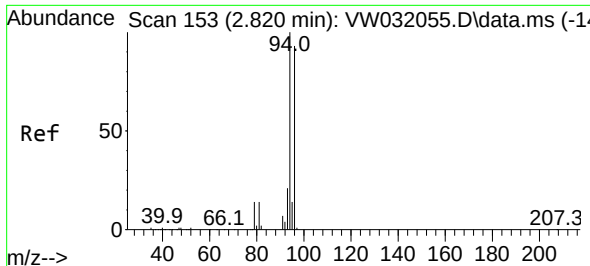
Tgt Ion: 50 Resp: 315772
Ion Ratio Lower Upper
50 100
52 31.8 26.6 39.8



#4
Vinyl Chloride
Concen: 138.343 ug/l
RT: 2.405 min Scan# 85
Delta R.T. -0.000 min
Lab File: VW032057.D
Acq: 11 Aug 2025 11:08

Tgt Ion: 62 Resp: 362119
Ion Ratio Lower Upper
62 100
64 31.8 27.8 41.6

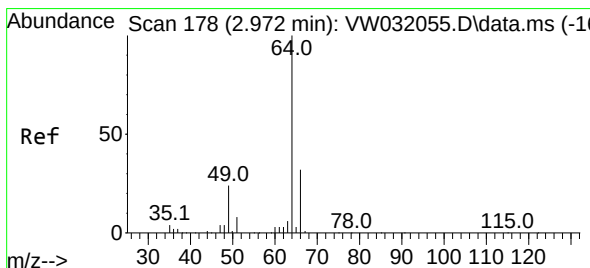
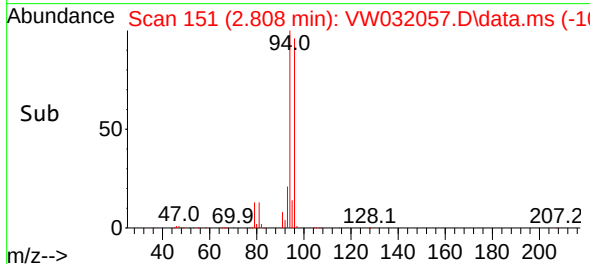
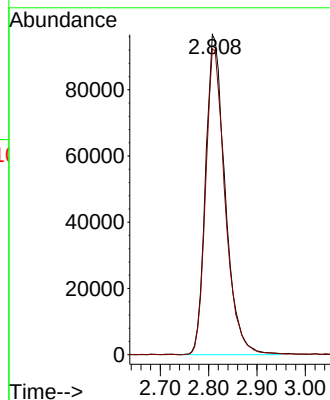
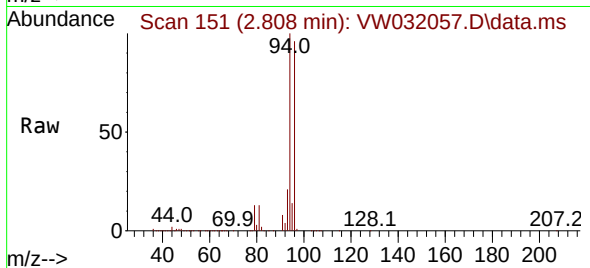




#5
Bromomethane
Concen: 138.413 ug/l
RT: 2.808 min Scan# 11
Delta R.T. -0.012 min
Lab File: VW032057.D
Acq: 11 Aug 2025 11:08

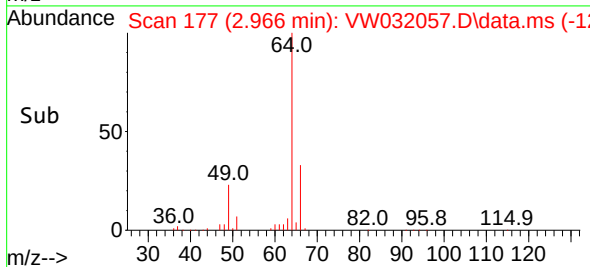
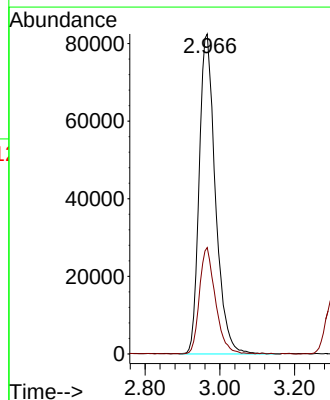
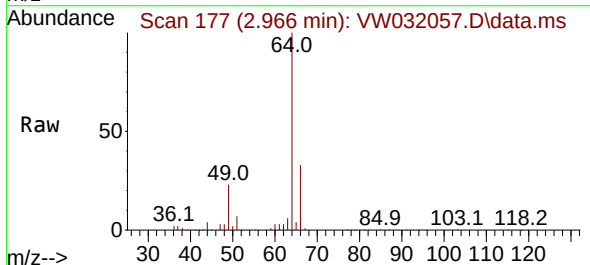
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

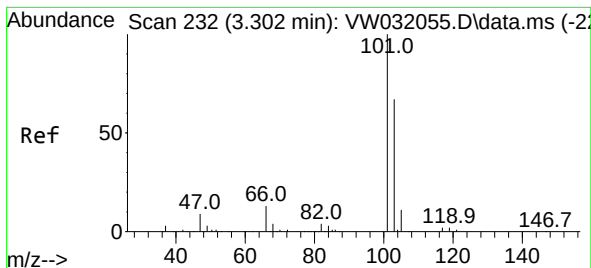
Tgt Ion: 94 Resp: 271810
Ion Ratio Lower Upper
94 100
96 95.6 74.7 112.1



#6
Chloroethane
Concen: 143.117 ug/l
RT: 2.966 min Scan# 177
Delta R.T. -0.006 min
Lab File: VW032057.D
Acq: 11 Aug 2025 11:08

Tgt Ion: 64 Resp: 247890
Ion Ratio Lower Upper
64 100
66 33.2 26.0 39.0





#7

Trichlorofluoromethane

Concen: 161.851 ug/l

RT: 3.301 min Scan# 21

Delta R.T. -0.000 min

Lab File: VW032057.D

Acq: 11 Aug 2025 11:08

Instrument :

MSVOA_W

ClientSampleId :

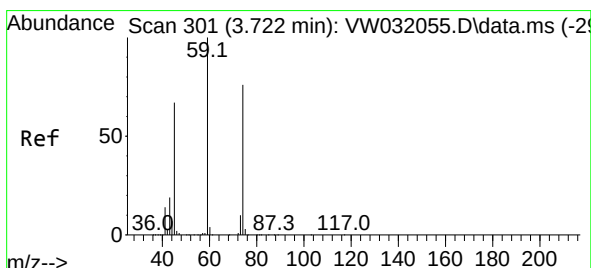
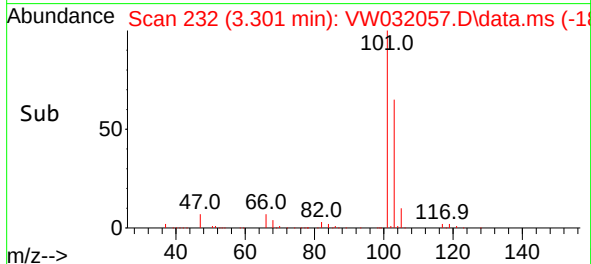
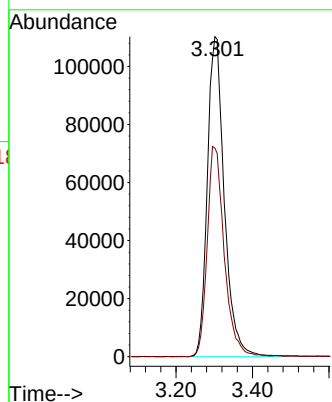
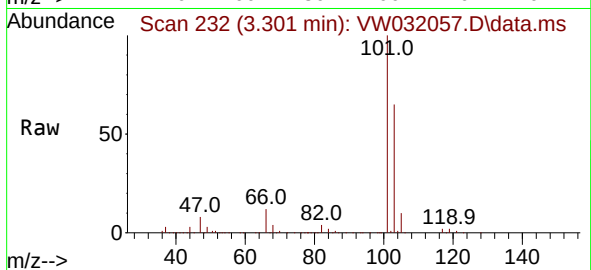
VSTDICC150

Tgt Ion:101 Resp: 339384

Ion Ratio Lower Upper

101 100

103 65.1 53.4 80.0



#8

Diethyl Ether

Concen: 148.178 ug/l

RT: 3.722 min Scan# 301

Delta R.T. -0.000 min

Lab File: VW032057.D

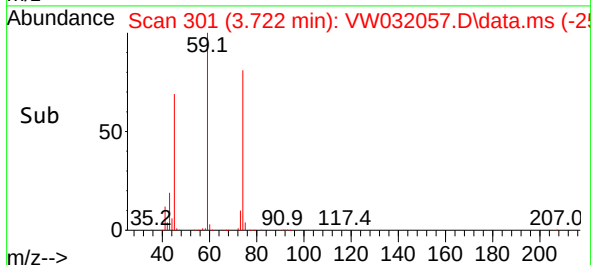
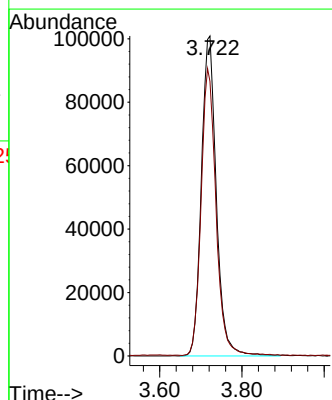
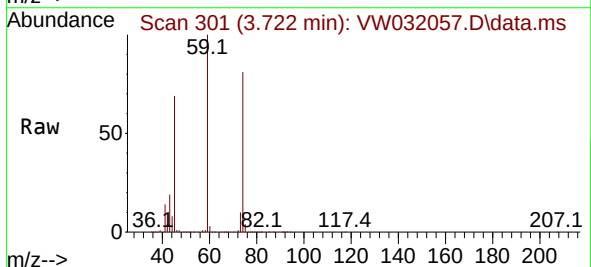
Acq: 11 Aug 2025 11:08

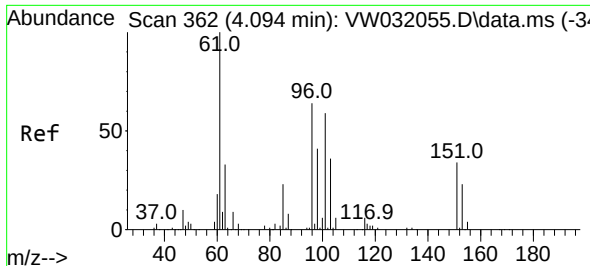
Tgt Ion: 74 Resp: 254566

Ion Ratio Lower Upper

74 100

45 89.1 45.4 136.2

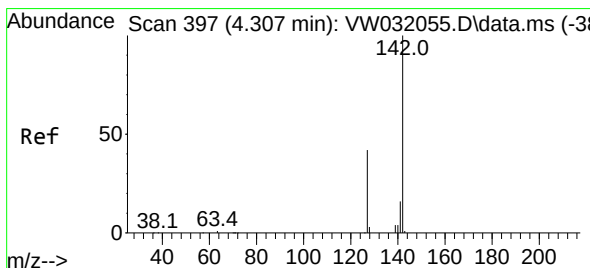
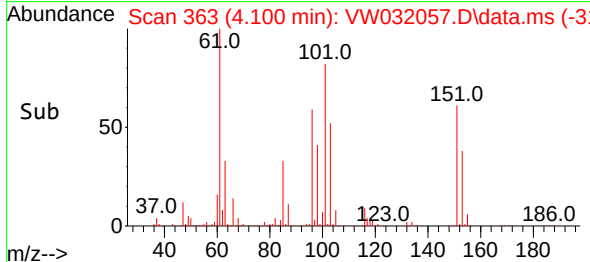
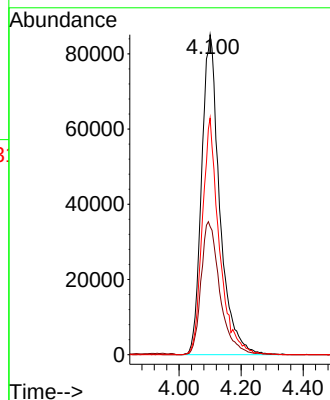
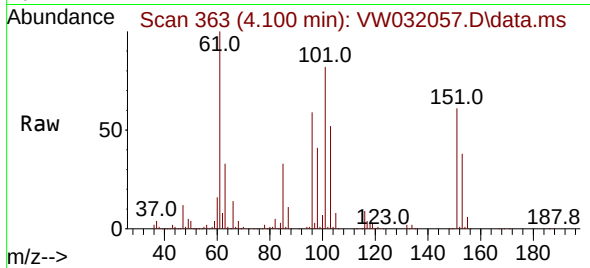




#9
1,1,2-Trichlorotrifluoroethane
Concen: 138.957 ug/l
RT: 4.100 min Scan# 301
Delta R.T. 0.006 min
Lab File: VW032057.D
Acq: 11 Aug 2025 11:08

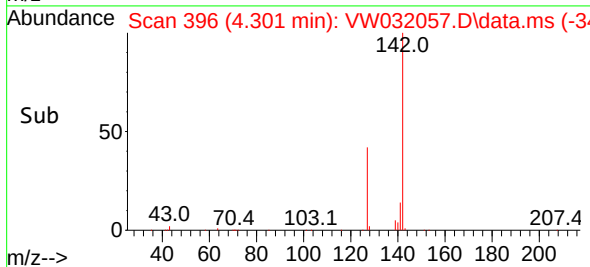
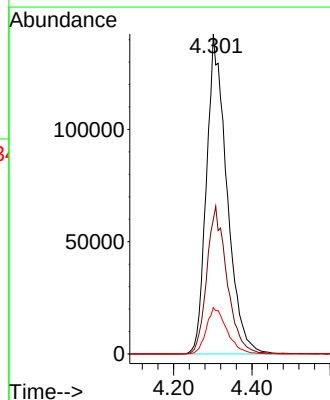
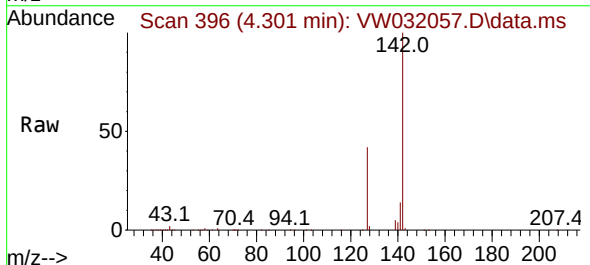
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

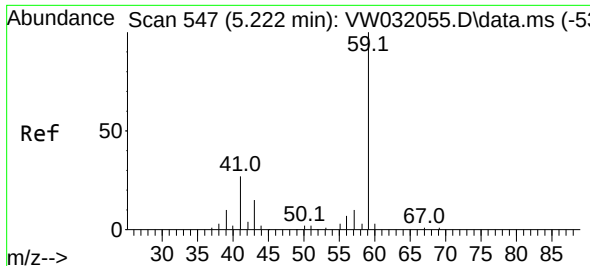
Tgt Ion:101 Resp: 343759
Ion Ratio Lower Upper
101 100
85 43.2 34.9 52.3
151 69.6 56.2 84.4



#10
Methyl Iodide
Concen: 146.812 ug/l
RT: 4.301 min Scan# 396
Delta R.T. -0.006 min
Lab File: VW032057.D
Acq: 11 Aug 2025 11:08

Tgt Ion:142 Resp: 514954
Ion Ratio Lower Upper
142 100
127 45.7 36.6 55.0
141 14.7 12.1 18.1

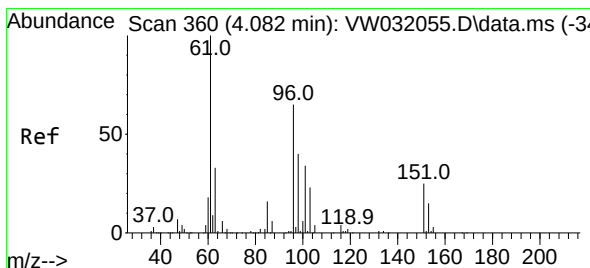
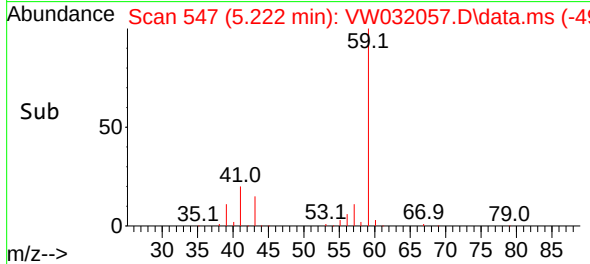
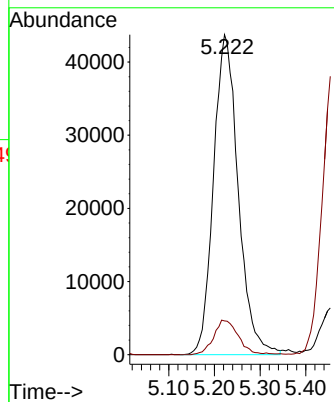
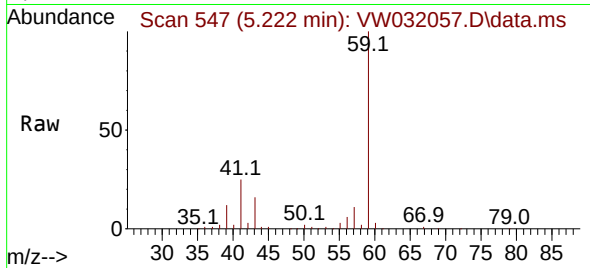




#11
Tert butyl alcohol
Concen: 780.336 ug/l
RT: 5.222 min Scan# 54
Delta R.T. -0.000 min
Lab File: VW032057.D
Acq: 11 Aug 2025 11:08

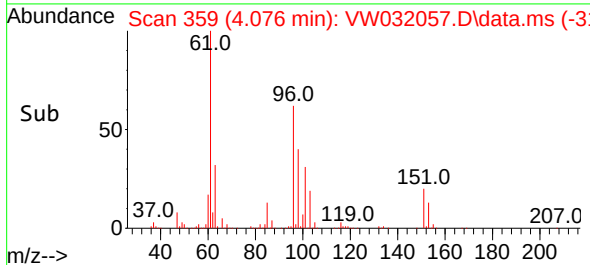
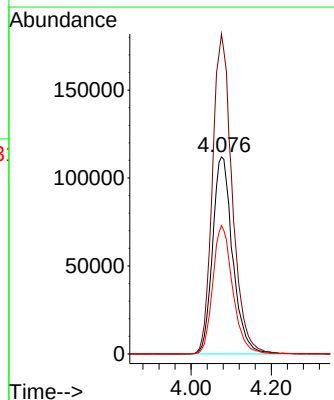
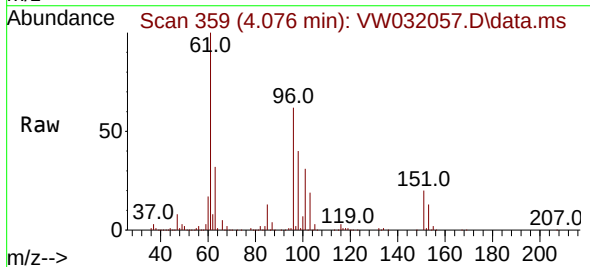
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

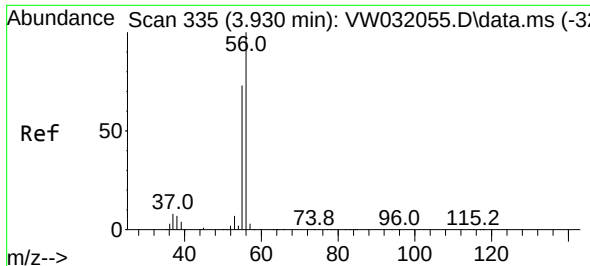
Tgt Ion: 59 Resp: 164147
Ion Ratio Lower Upper
59 100
57 10.7 8.7 13.1



#12
1,1-Dichloroethene
Concen: 142.642 ug/l
RT: 4.076 min Scan# 359
Delta R.T. -0.006 min
Lab File: VW032057.D
Acq: 11 Aug 2025 11:08

Tgt Ion: 96 Resp: 388559
Ion Ratio Lower Upper
96 100
61 162.4 123.4 185.2
98 65.3 49.5 74.3

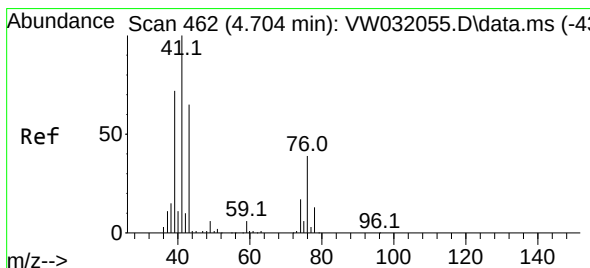
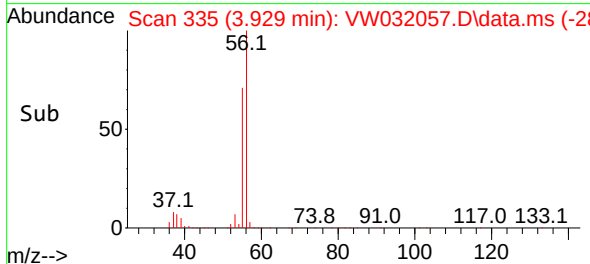
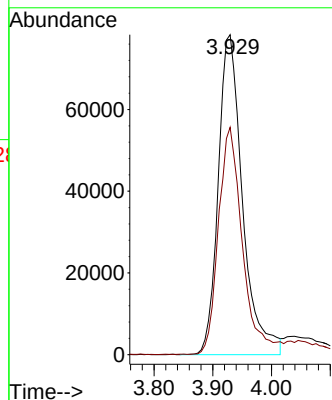
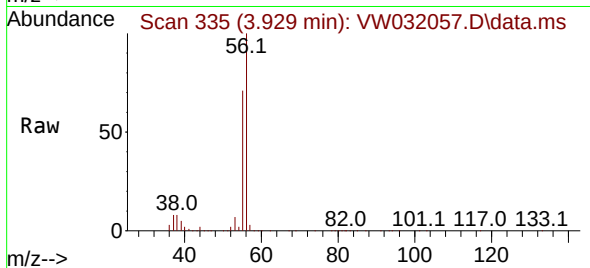




#13
Acrolein
Concen: 671.009 ug/l
RT: 3.929 min Scan# 31
Delta R.T. -0.000 min
Lab File: VW032057.D
Acq: 11 Aug 2025 11:08

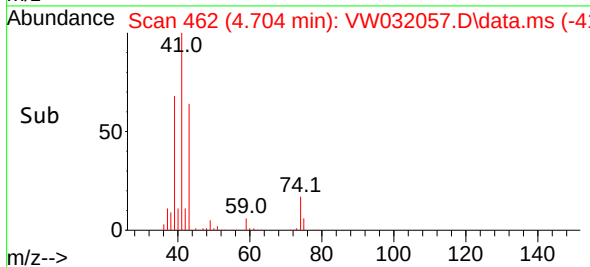
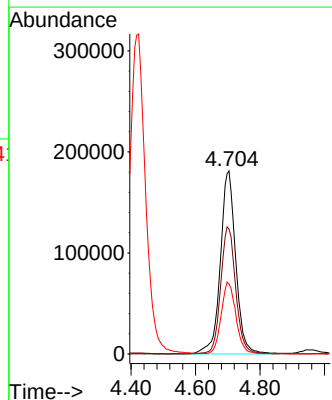
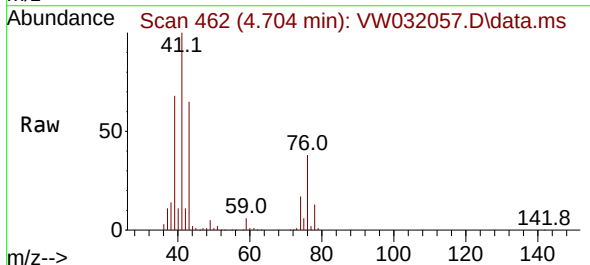
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

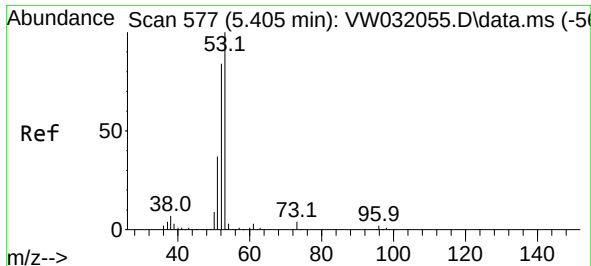
Tgt Ion: 56 Resp: 224901
Ion Ratio Lower Upper
56 100
55 70.6 55.4 83.2



#14
Allyl chloride
Concen: 151.415 ug/l
RT: 4.704 min Scan# 462
Delta R.T. -0.000 min
Lab File: VW032057.D
Acq: 11 Aug 2025 11:08

Tgt Ion: 41 Resp: 600290
Ion Ratio Lower Upper
41 100
39 67.6 54.5 81.7
76 37.6 29.3 43.9

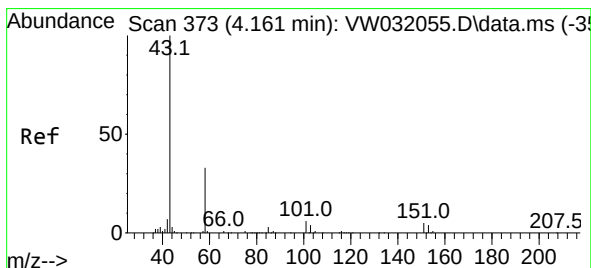
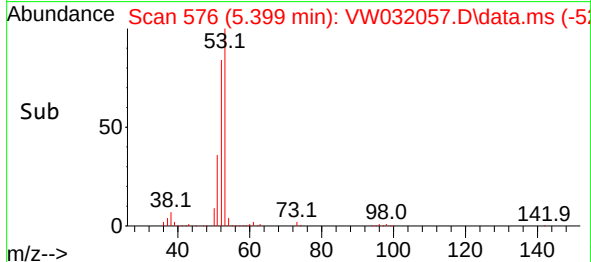
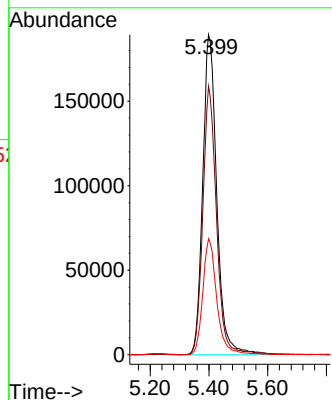
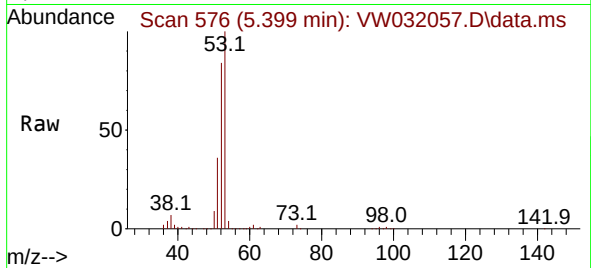




#15
Acrylonitrile
Concen: 769.843 ug/l
RT: 5.399 min Scan# 51
Delta R.T. -0.006 min
Lab File: VW032057.D
Acq: 11 Aug 2025 11:08

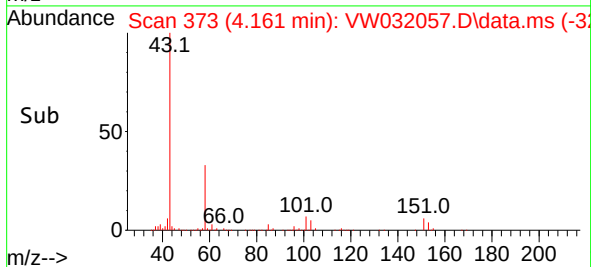
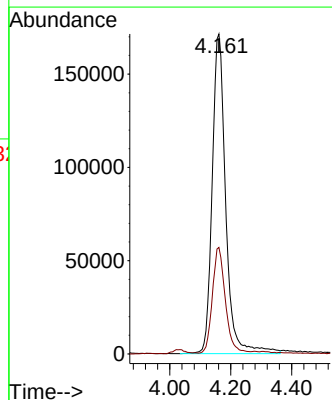
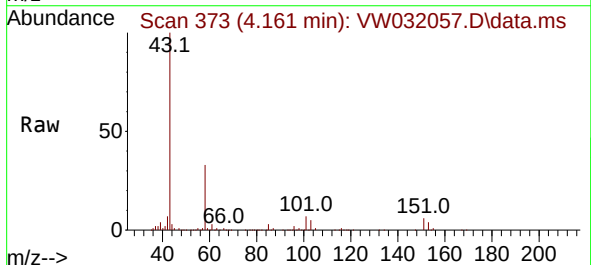
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

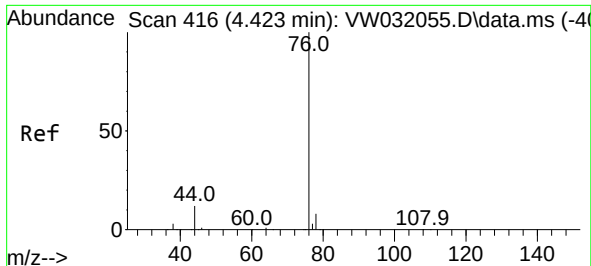
Tgt Ion: 53 Resp: 629942
Ion Ratio Lower Upper
53 100
52 81.7 66.1 99.1
51 36.1 29.2 43.8



#16
Acetone
Concen: 702.794 ug/l
RT: 4.161 min Scan# 373
Delta R.T. -0.000 min
Lab File: VW032057.D
Acq: 11 Aug 2025 11:08

Tgt Ion: 43 Resp: 528585
Ion Ratio Lower Upper
43 100
58 32.9 26.6 39.8

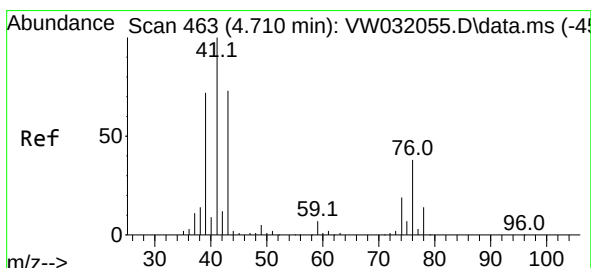
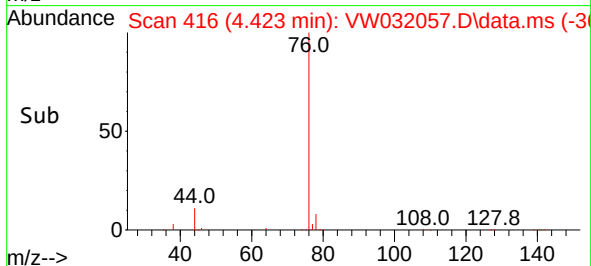
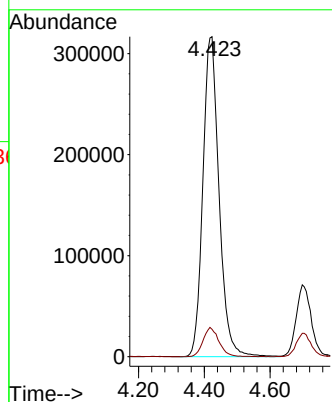
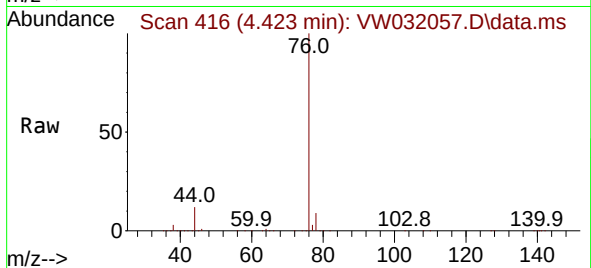




#17
Carbon Disulfide
Concen: 147.872 ug/l
RT: 4.423 min Scan# 416
Delta R.T. -0.000 min
Lab File: VW032057.D
Acq: 11 Aug 2025 11:08

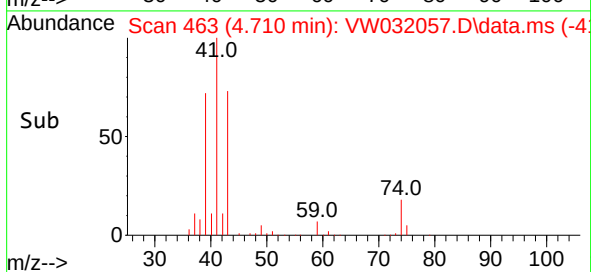
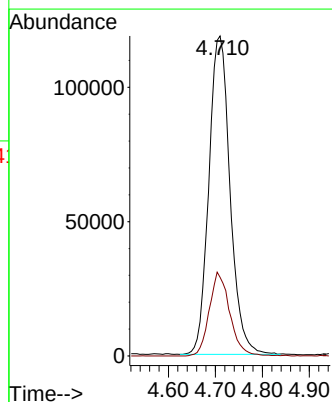
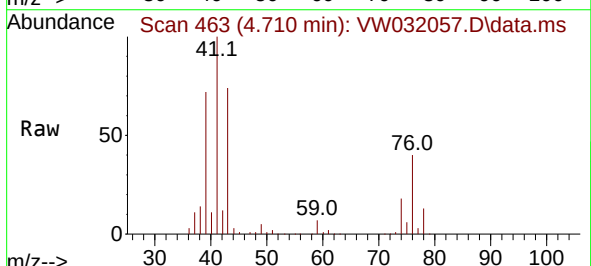
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

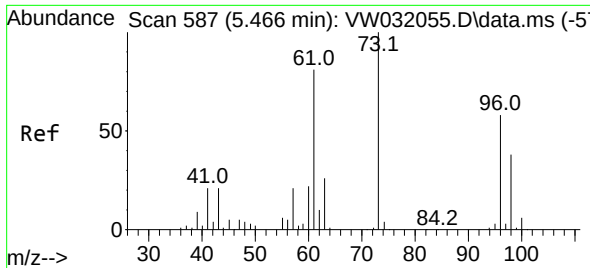
Tgt Ion: 76 Resp: 1081188
Ion Ratio Lower Upper
76 100
78 8.5 6.4 9.6



#18
Methyl Acetate
Concen: 155.895 ug/l
RT: 4.710 min Scan# 463
Delta R.T. -0.000 min
Lab File: VW032057.D
Acq: 11 Aug 2025 11:08

Tgt Ion: 43 Resp: 371024
Ion Ratio Lower Upper
43 100
74 25.4 20.6 31.0

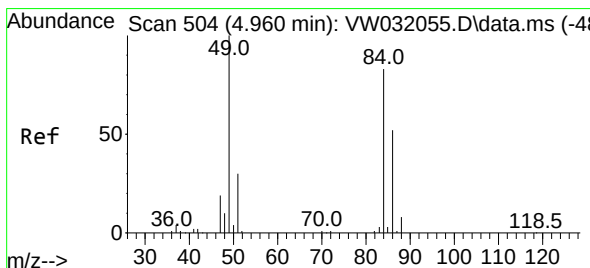
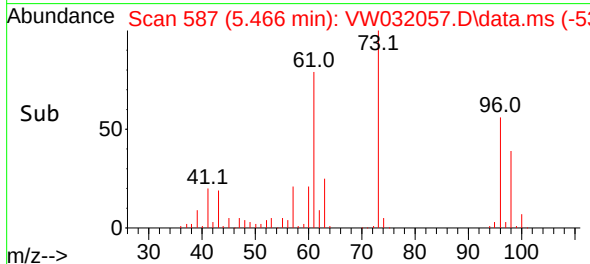
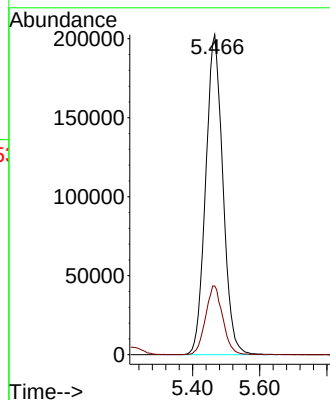
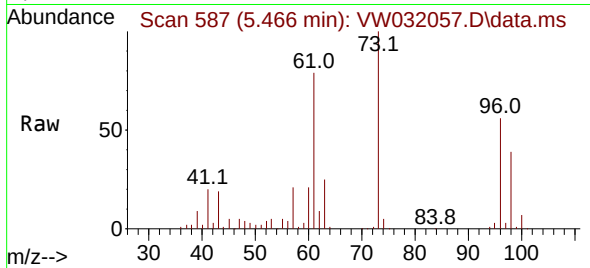




#19
Methyl tert-butyl Ether
Concen: 149.999 ug/l
RT: 5.466 min Scan# 587
Delta R.T. -0.000 min
Lab File: VW032057.D
Acq: 11 Aug 2025 11:08

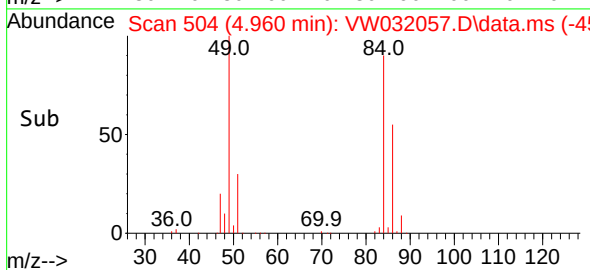
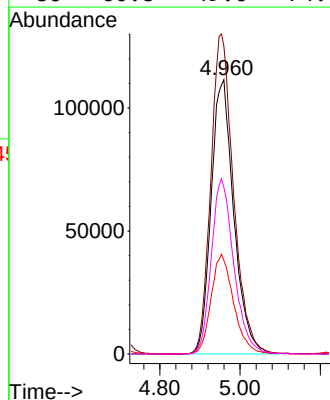
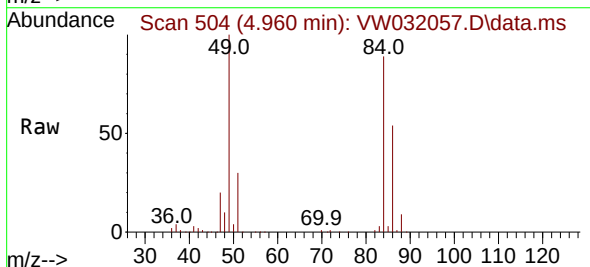
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

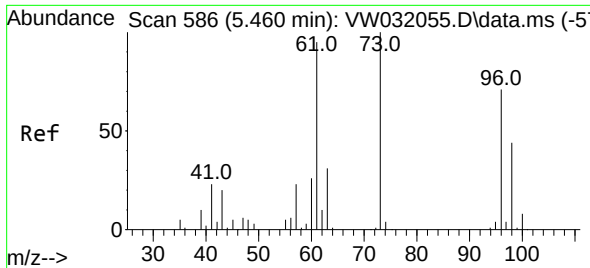
Tgt Ion: 73 Resp: 719923
Ion Ratio Lower Upper
73 100
57 21.4 17.2 25.8



#20
Methylene Chloride
Concen: 125.744 ug/l
RT: 4.960 min Scan# 504
Delta R.T. -0.000 min
Lab File: VW032057.D
Acq: 11 Aug 2025 11:08

Tgt Ion: 84 Resp: 437275
Ion Ratio Lower Upper
84 100
49 112.3 95.9 143.9
51 34.1 28.6 43.0
86 60.8 49.6 74.4

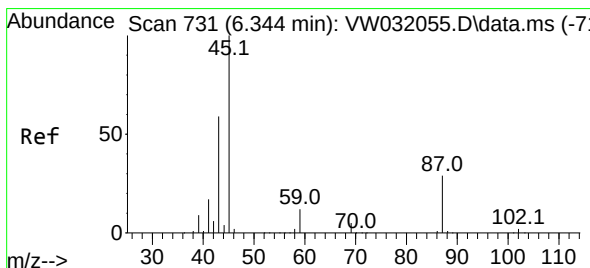
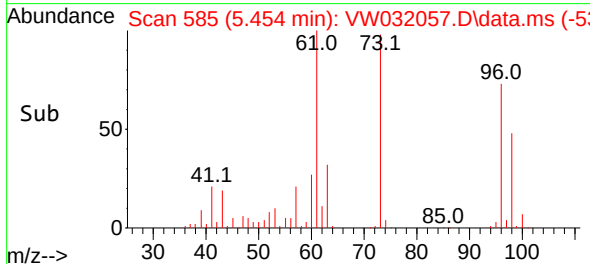
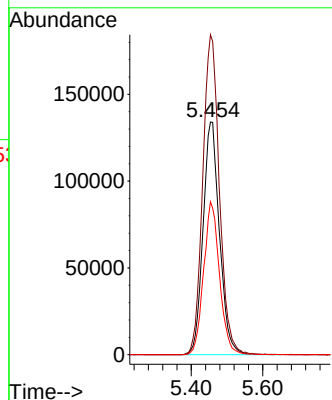
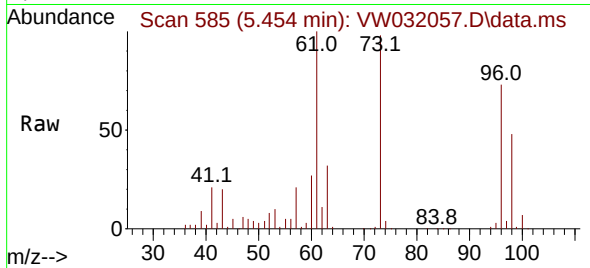




#21
trans-1,2-Dichloroethene
Concen: 147.794 ug/l
RT: 5.454 min Scan# 586
Delta R.T. -0.006 min
Lab File: VW032057.D
Acq: 11 Aug 2025 11:08

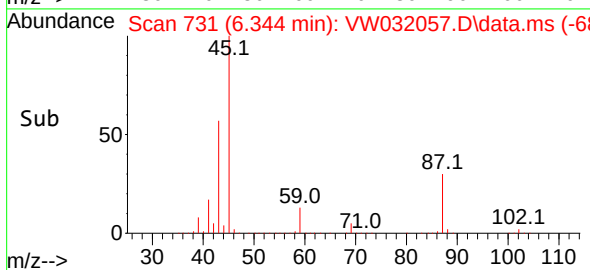
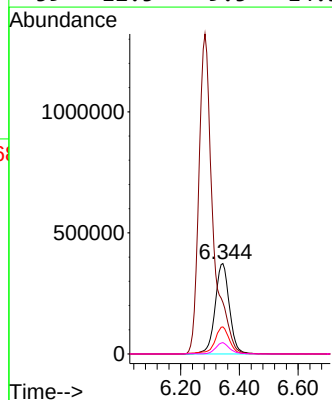
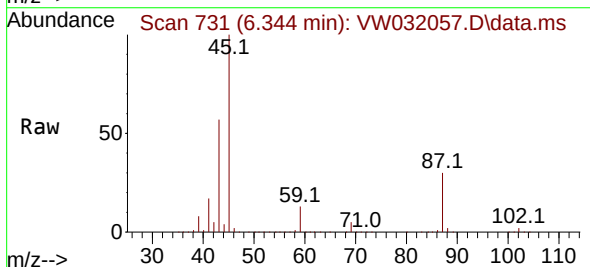
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

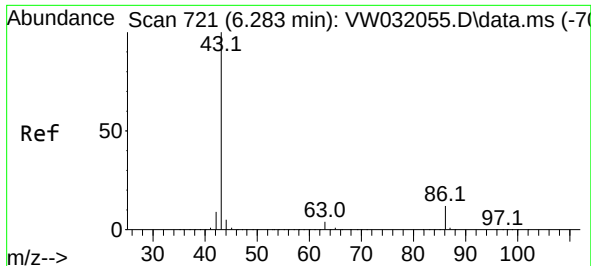
Tgt Ion: 96 Resp: 427242
Ion Ratio Lower Upper
96 100
61 137.5 106.8 160.2
98 65.7 49.6 74.4



#22
Diisopropyl ether
Concen: 150.866 ug/l
RT: 6.344 min Scan# 731
Delta R.T. -0.000 min
Lab File: VW032057.D
Acq: 11 Aug 2025 11:08

Tgt Ion: 45 Resp: 1260898
Ion Ratio Lower Upper
45 100
43 57.1 47.0 70.4
87 30.0 23.8 35.8
59 12.5 9.5 14.3

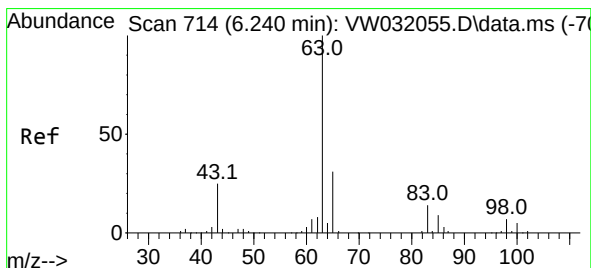
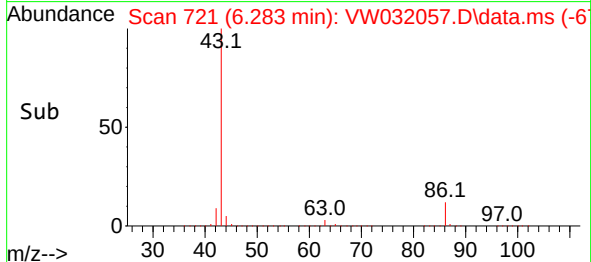
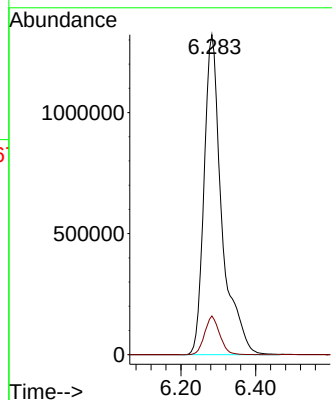
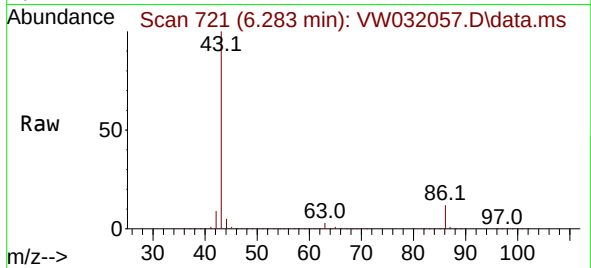




#23
 Vinyl Acetate
 Concen: 793.927 ug/l
 RT: 6.283 min Scan# 714
 Delta R.T. -0.000 min
 Lab File: VW032057.D
 Acq: 11 Aug 2025 11:08

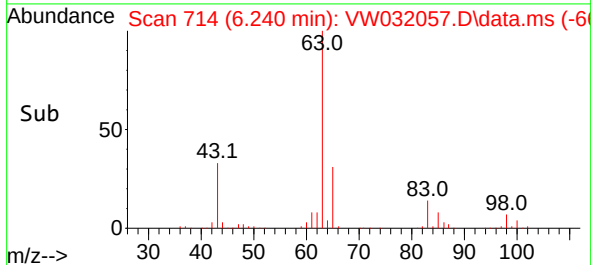
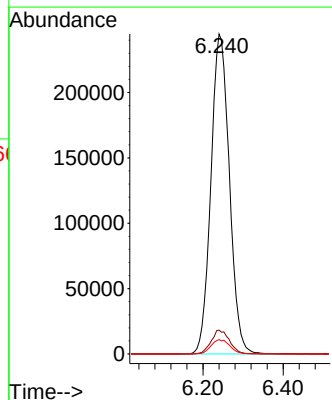
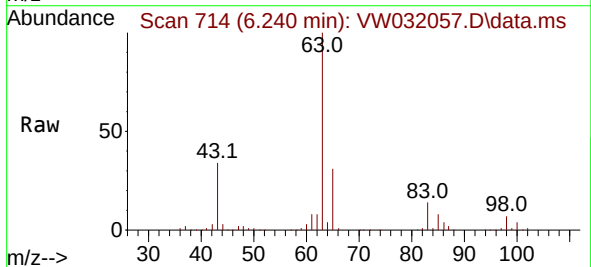
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

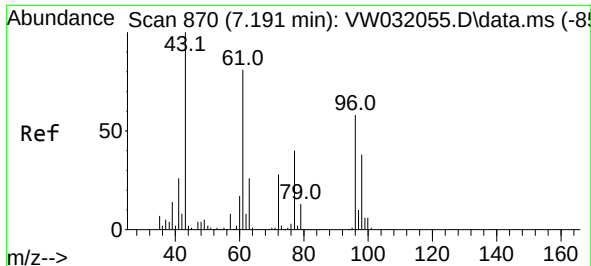
Tgt Ion: 43 Resp: 4356523
 Ion Ratio Lower Upper
 43 100
 86 12.1 9.4 14.0



#24
 1,1-Dichloroethane
 Concen: 146.472 ug/l
 RT: 6.240 min Scan# 714
 Delta R.T. -0.000 min
 Lab File: VW032057.D
 Acq: 11 Aug 2025 11:08

Tgt Ion: 63 Resp: 782153
 Ion Ratio Lower Upper
 63 100
 98 7.5 3.7 11.1
 100 4.5 2.5 7.4

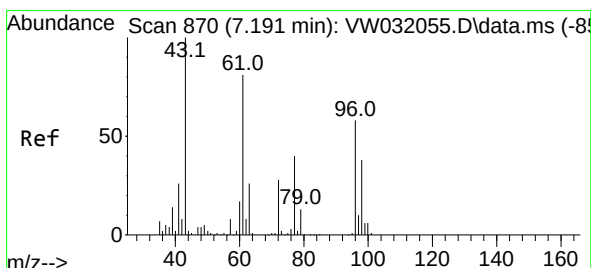
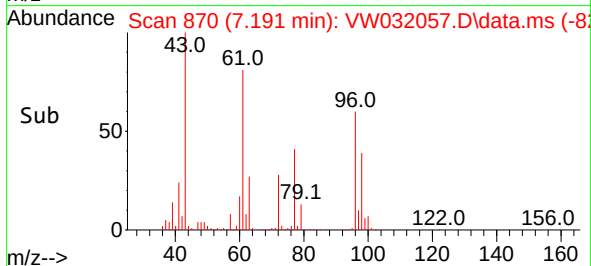
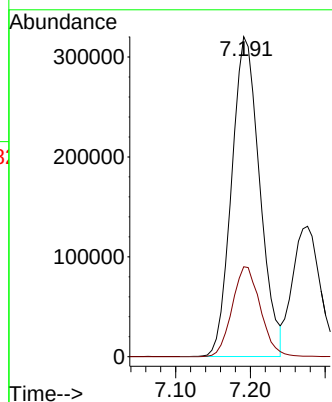
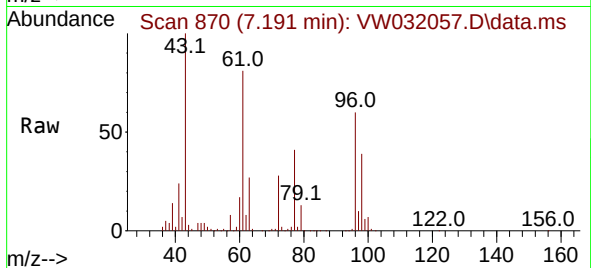




#25
2-Butanone
Concen: 783.936 ug/l
RT: 7.191 min Scan# 81
Delta R.T. -0.000 min
Lab File: VW032057.D
Acq: 11 Aug 2025 11:08

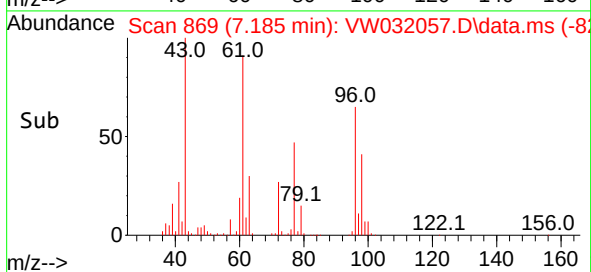
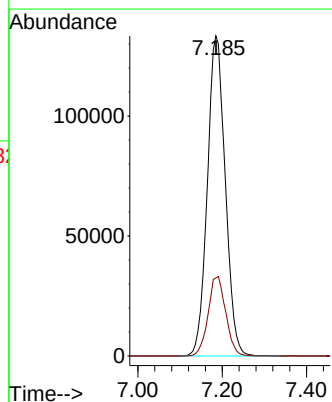
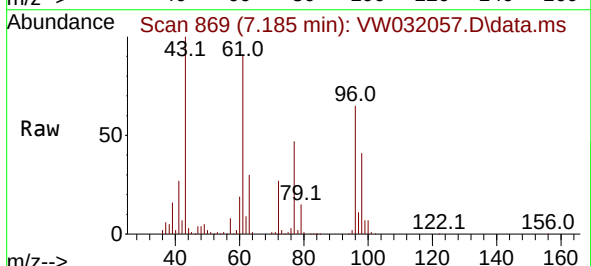
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

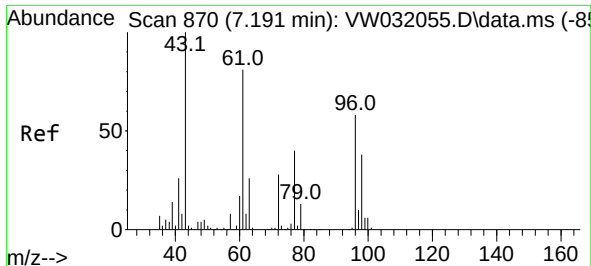
Tgt Ion: 43 Resp: 837991
Ion Ratio Lower Upper
43 100
72 28.1 22.3 33.5



#26
2,2-Dichloropropane
Concen: 147.064 ug/l
RT: 7.185 min Scan# 869
Delta R.T. -0.006 min
Lab File: VW032057.D
Acq: 11 Aug 2025 11:08

Tgt Ion: 77 Resp: 393976
Ion Ratio Lower Upper
77 100
97 24.4 12.3 36.9





#27

cis-1,2-Dichloroethene

Concen: 153.420 ug/l

RT: 7.191 min Scan# 870

Delta R.T. -0.000 min

Lab File: VW032057.D

Acq: 11 Aug 2025 11:08

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

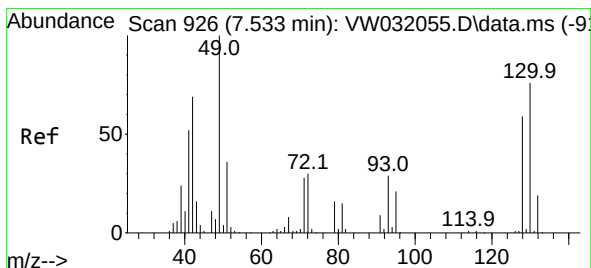
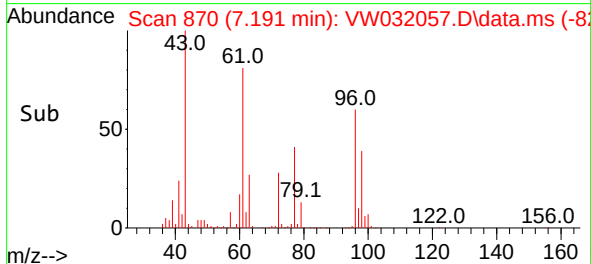
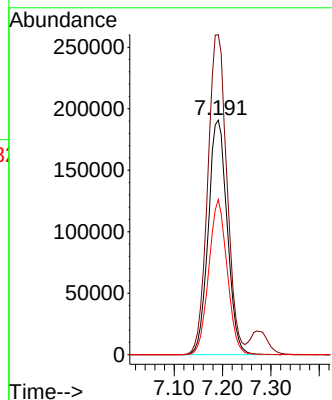
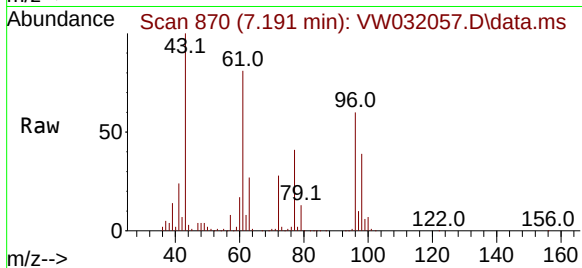
Tgt Ion: 96 Resp: 518413

Ion Ratio Lower Upper

96 100

61 138.5 0.0 281.2

98 64.2 0.0 130.8



#28

Bromochloromethane

Concen: 146.781 ug/l

RT: 7.532 min Scan# 926

Delta R.T. -0.000 min

Lab File: VW032057.D

Acq: 11 Aug 2025 11:08

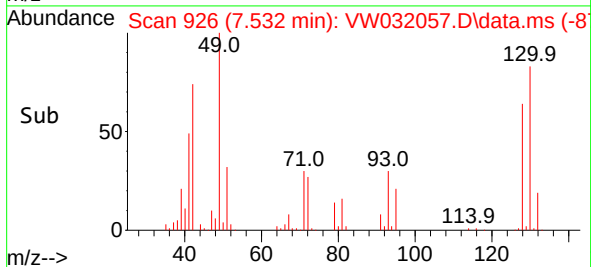
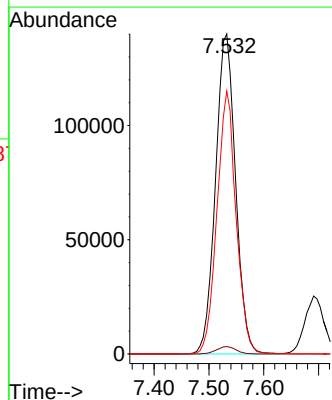
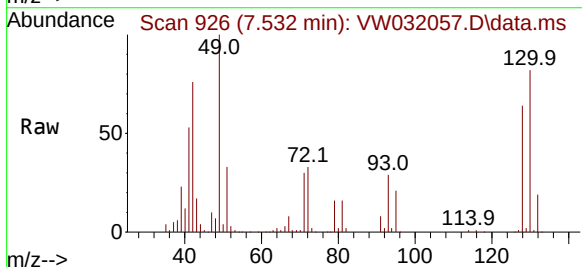
Tgt Ion: 49 Resp: 356684

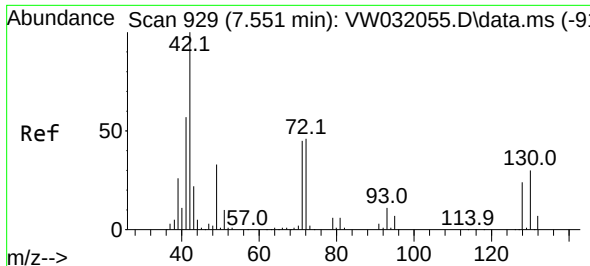
Ion Ratio Lower Upper

49 100

129 2.2 0.0 4.2

130 78.3 61.9 92.9





#29

Tetrahydrofuran

Concen: 779.054 ug/l

RT: 7.551 min Scan# 91

Delta R.T. -0.000 min

Lab File: VW032057.D

Acq: 11 Aug 2025 11:08

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC150

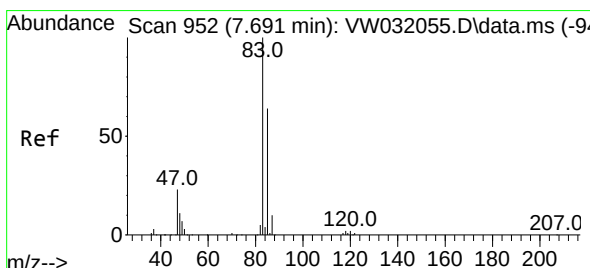
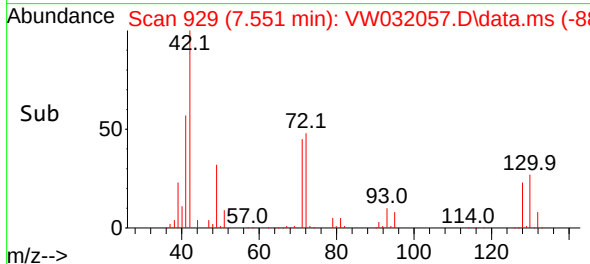
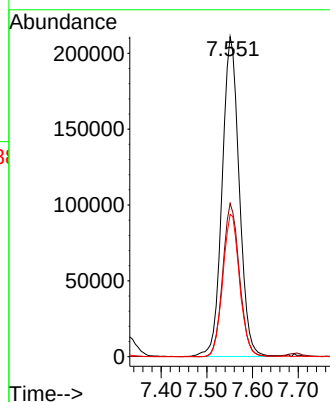
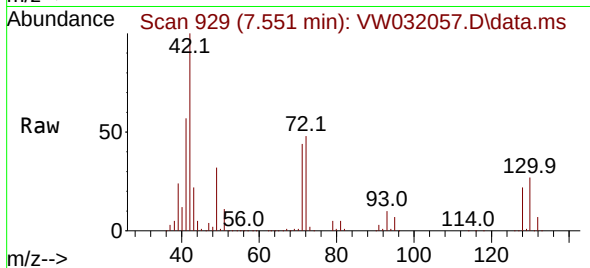
Tgt Ion: 42 Resp: 549203

Ion Ratio Lower Upper

42 100

72 46.7 36.6 55.0

71 43.8 34.7 52.1



#30

Chloroform

Concen: 145.528 ug/l

RT: 7.691 min Scan# 952

Delta R.T. -0.000 min

Lab File: VW032057.D

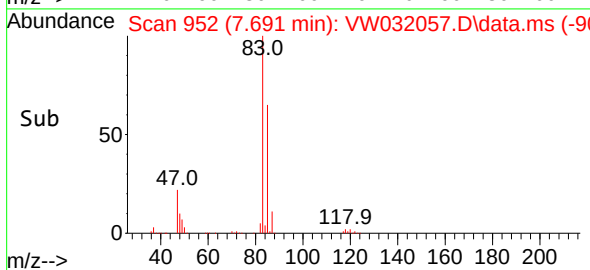
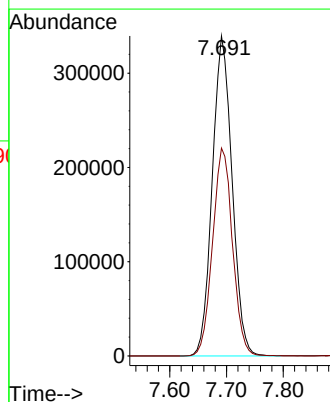
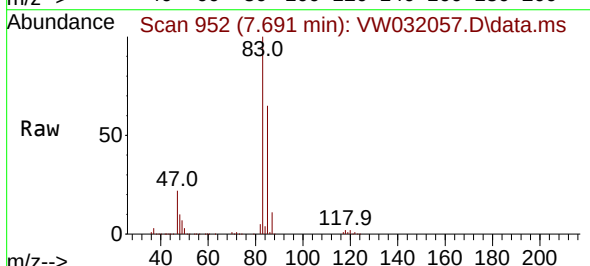
Acq: 11 Aug 2025 11:08

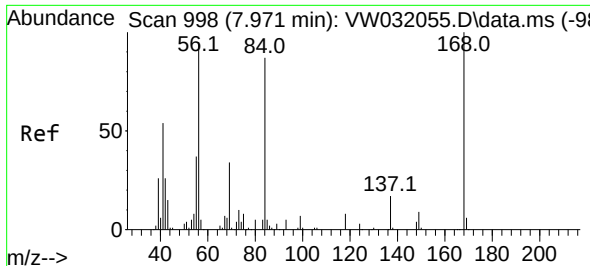
Tgt Ion: 83 Resp: 823850

Ion Ratio Lower Upper

83 100

85 64.9 51.0 76.4

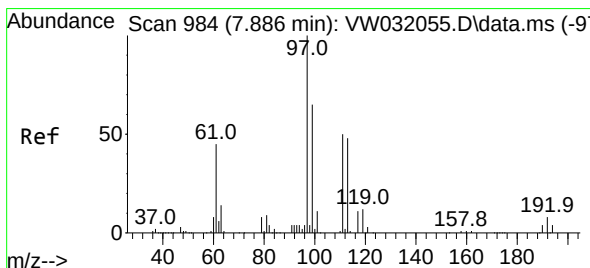
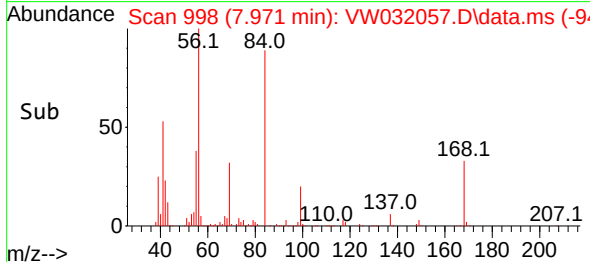
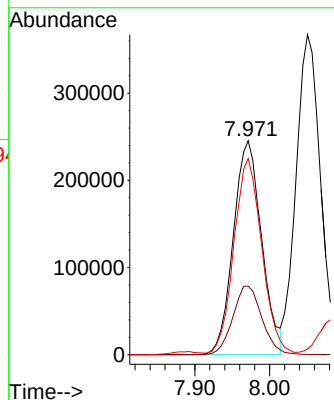
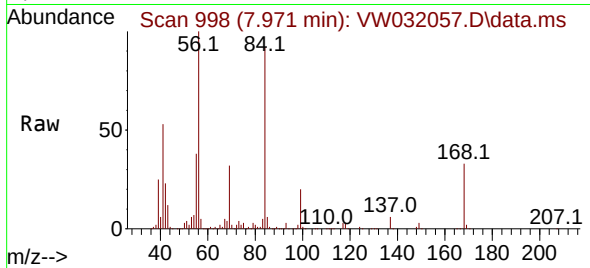




#31
Cyclohexane
Concen: 139.490 ug/l
RT: 7.971 min Scan# 998
Delta R.T. -0.000 min
Lab File: VW032057.D
Acq: 11 Aug 2025 11:08

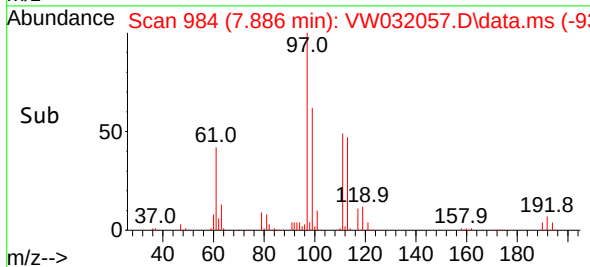
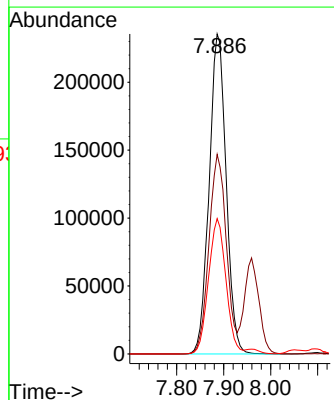
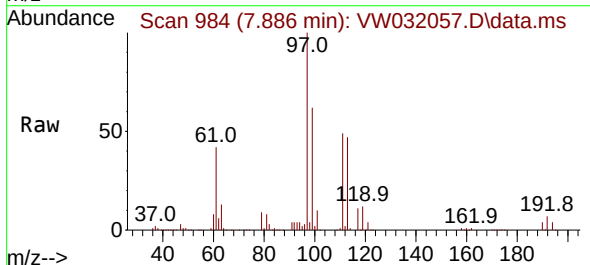
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

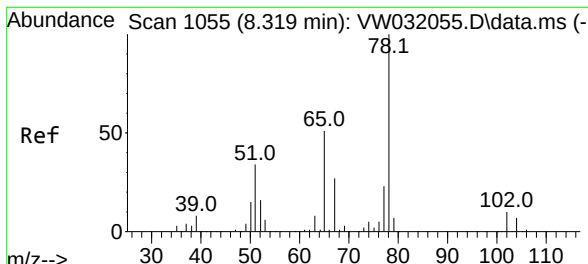
Tgt Ion: 56 Resp: 645762
Ion Ratio Lower Upper
56 100
69 32.0 28.6 42.8
84 90.3 73.0 109.4



#32
1,1,1-Trichloroethane
Concen: 143.816 ug/l
RT: 7.886 min Scan# 984
Delta R.T. -0.000 min
Lab File: VW032057.D
Acq: 11 Aug 2025 11:08

Tgt Ion: 97 Resp: 591372
Ion Ratio Lower Upper
97 100
99 64.0 51.8 77.8
61 43.3 35.9 53.9

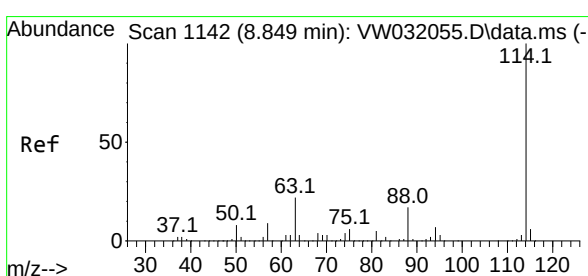
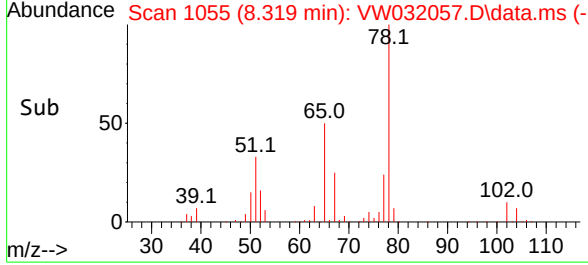
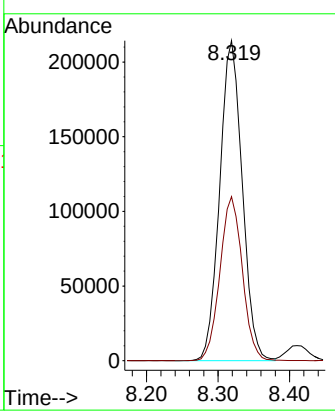
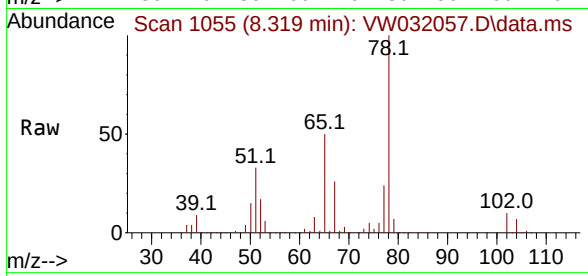




#33
 1,2-Dichloroethane-d4
 Concen: 144.584 ug/l
 RT: 8.319 min Scan# 1055
 Delta R.T. -0.000 min
 Lab File: VW032057.D
 Acq: 11 Aug 2025 11:08

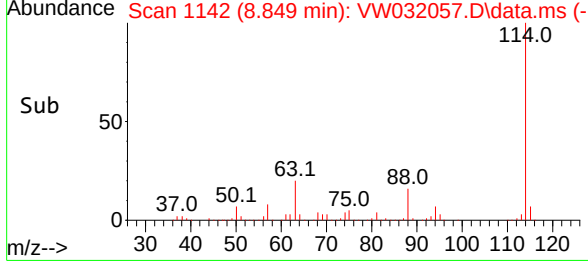
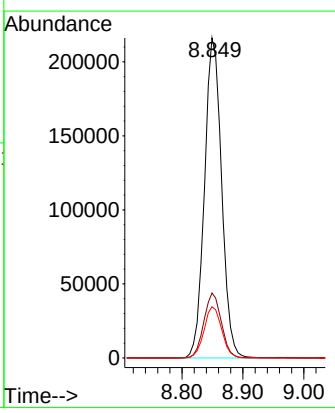
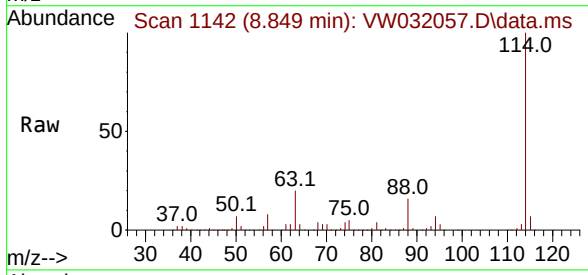
Instrument : MSVOA_W
 ClientSampleId : VSTDIC150

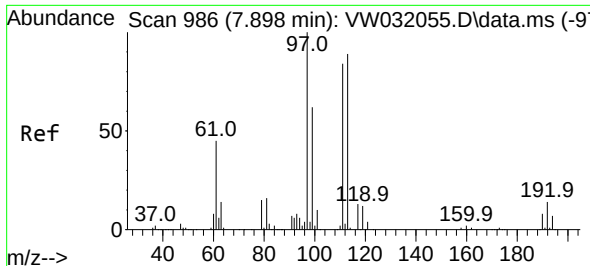
Tgt Ion:	65	Resp:	469688
Ion Ratio	Lower	Upper	
65	100		
67	51.0	0.0	102.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.849 min Scan# 1142
 Delta R.T. -0.000 min
 Lab File: VW032057.D
 Acq: 11 Aug 2025 11:08

Tgt Ion:	114	Resp:	422167
Ion Ratio	Lower	Upper	
114	100		
63	20.3	0.0	43.0
88	16.0	0.0	33.8

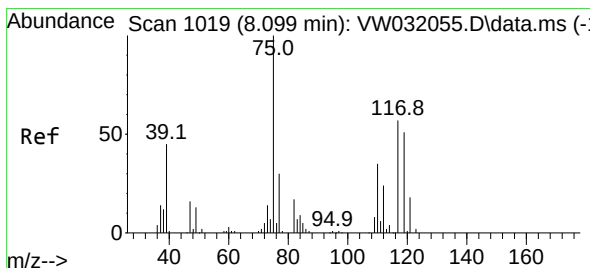
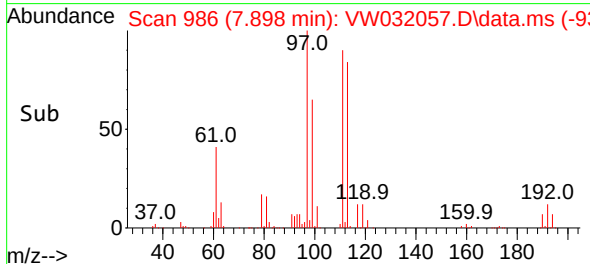
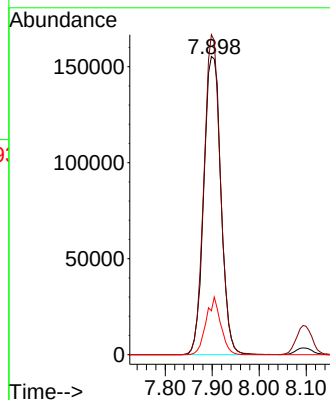
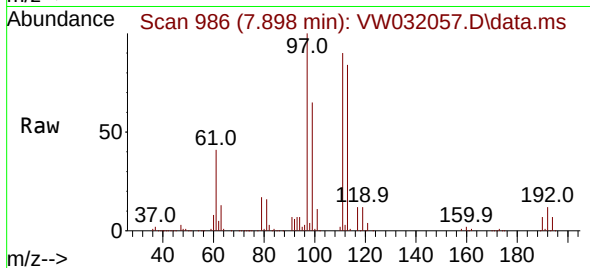




#35
 Dibromofluoromethane
 Concen: 144.207 ug/l
 RT: 7.898 min Scan# 91
 Delta R.T. -0.000 min
 Lab File: VW032057.D
 Acq: 11 Aug 2025 11:08

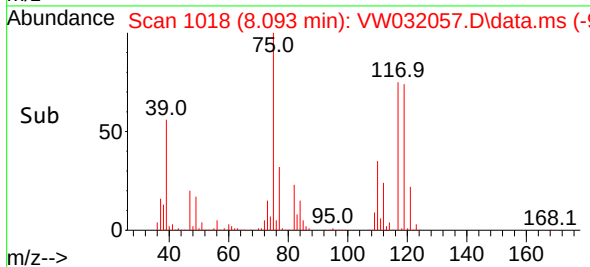
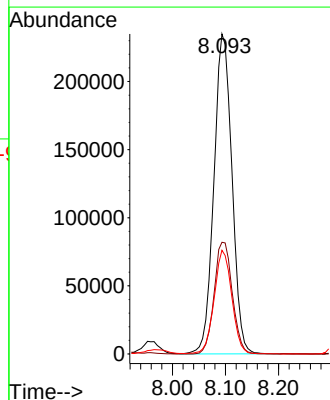
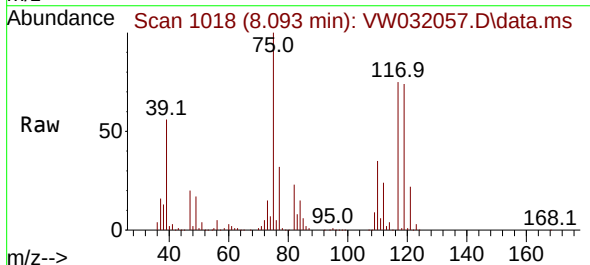
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

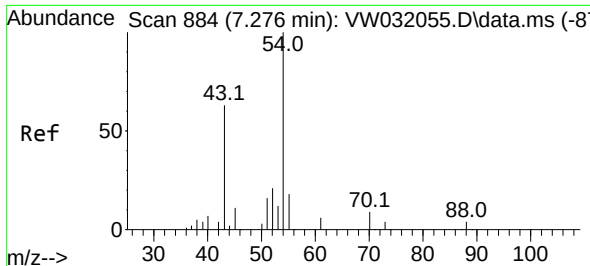
Tgt Ion:113 Resp: 393306
 Ion Ratio Lower Upper
 113 100
 111 103.0 80.1 120.1
 192 16.5 13.1 19.7



#36
 1,1-Dichloropropene
 Concen: 144.659 ug/l
 RT: 8.093 min Scan# 1018
 Delta R.T. -0.006 min
 Lab File: VW032057.D
 Acq: 11 Aug 2025 11:08

Tgt Ion: 75 Resp: 556189
 Ion Ratio Lower Upper
 75 100
 110 35.2 17.4 52.2
 77 31.7 24.7 37.1





#37

Ethyl Acetate

Concen: 154.109 ug/l

RT: 7.276 min Scan# 884

Delta R.T. -0.000 min

Lab File: VW032057.D

Acq: 11 Aug 2025 11:08

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

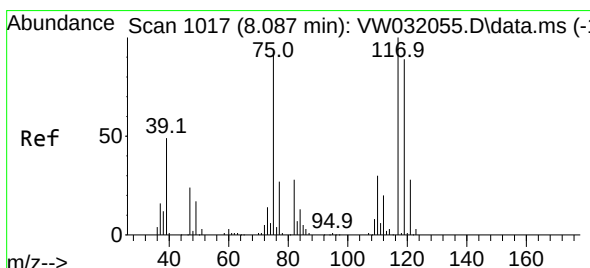
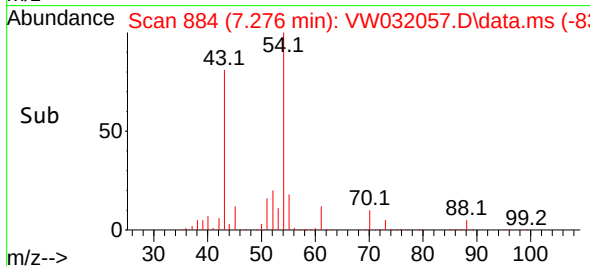
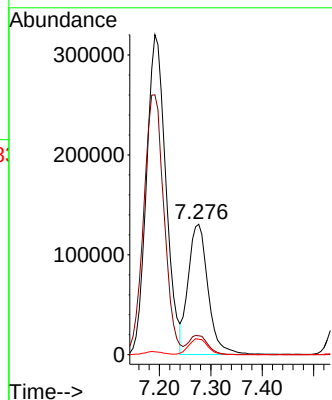
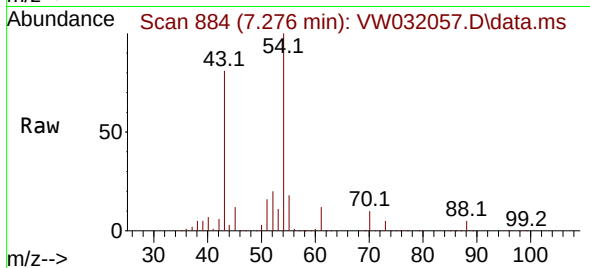
Tgt Ion: 43 Resp: 348970

Ion Ratio Lower Upper

43 100

61 14.4 11.8 17.6

70 11.8 9.4 14.0



#38

Carbon Tetrachloride

Concen: 146.799 ug/l

RT: 8.087 min Scan# 1017

Delta R.T. -0.000 min

Lab File: VW032057.D

Acq: 11 Aug 2025 11:08

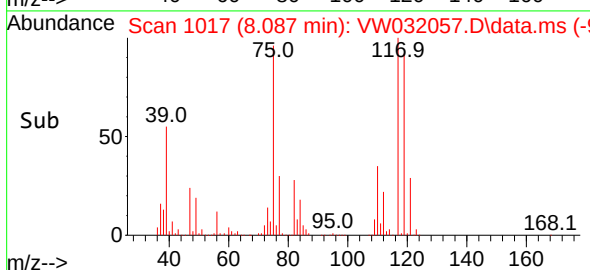
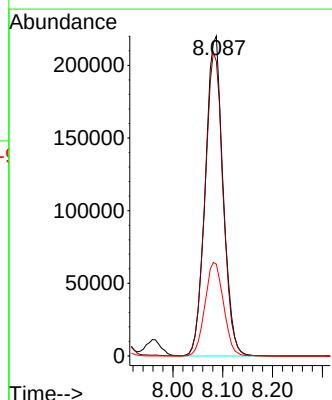
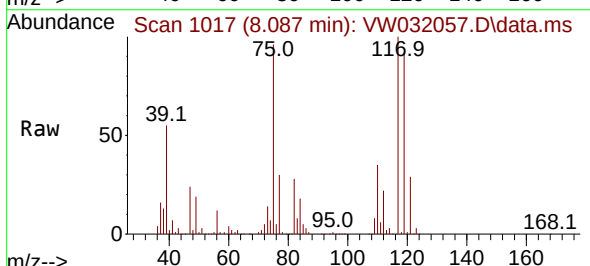
Tgt Ion: 117 Resp: 544688

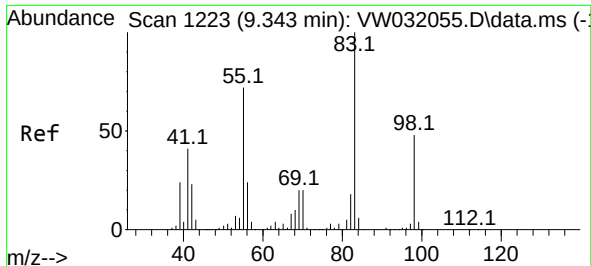
Ion Ratio Lower Upper

117 100

119 92.1 71.4 107.2

121 28.7 22.3 33.5





#39

Methylcyclohexane

Concen: 156.286 ug/l

RT: 9.343 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW032057.D

Acq: 11 Aug 2025 11:08

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

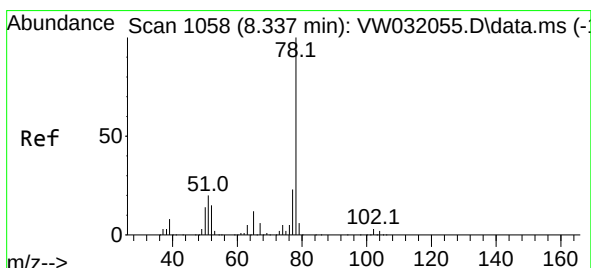
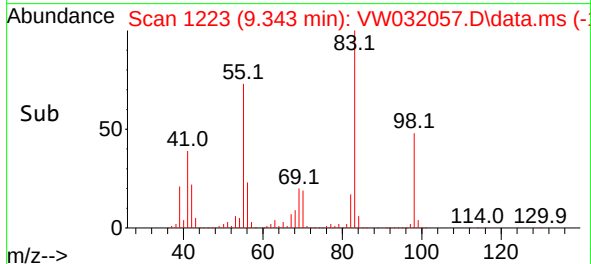
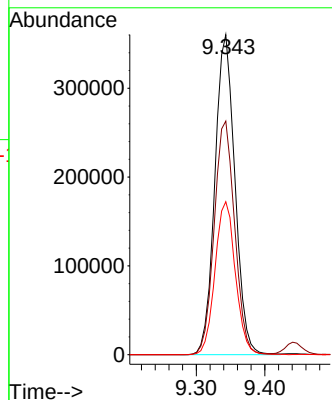
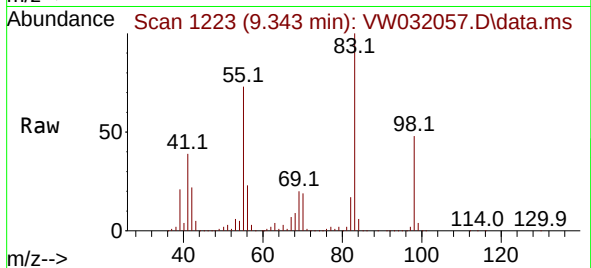
Tgt Ion: 83 Resp: 732413

Ion Ratio Lower Upper

83 100

55 73.0 57.9 86.9

98 47.8 38.3 57.5



#40

Benzene

Concen: 148.159 ug/l

RT: 8.337 min Scan# 1058

Delta R.T. -0.000 min

Lab File: VW032057.D

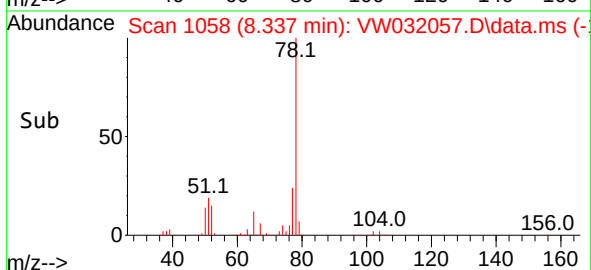
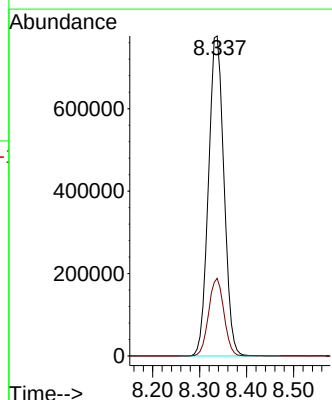
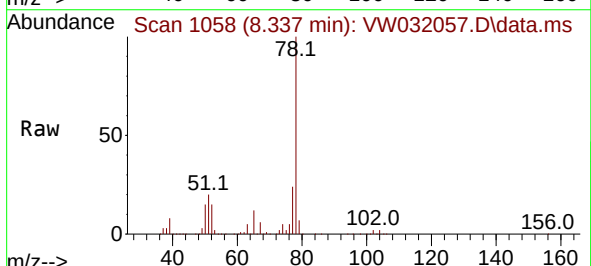
Acq: 11 Aug 2025 11:08

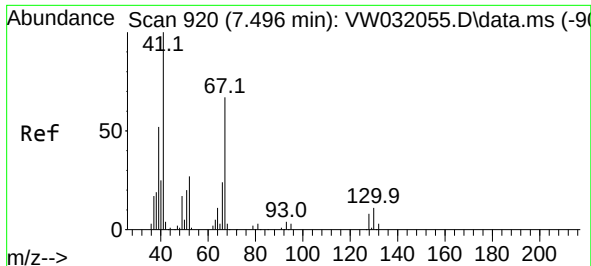
Tgt Ion: 78 Resp: 1770706

Ion Ratio Lower Upper

78 100

77 24.3 18.4 27.6



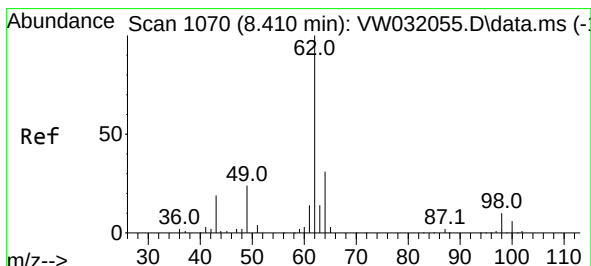
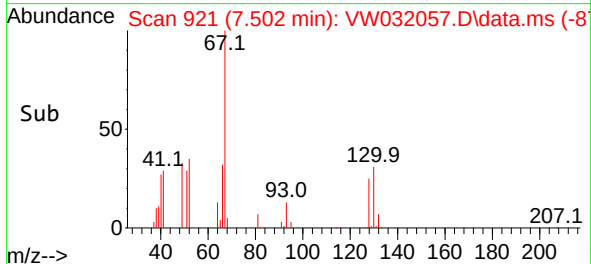
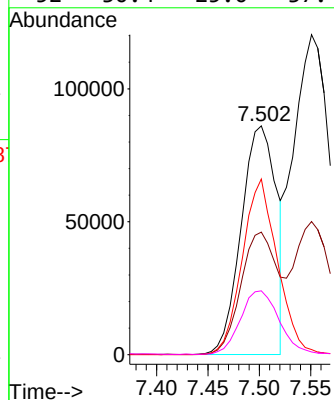
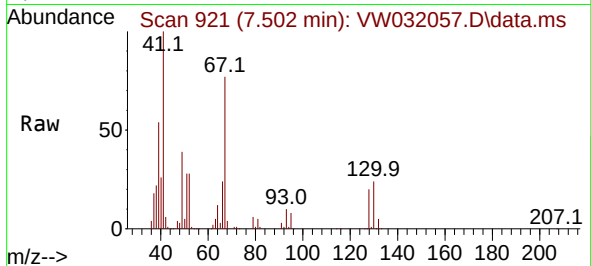


#41
Methacrylonitrile
Concen: 160.204 ug/l
RT: 7.502 min Scan# 91
Delta R.T. 0.006 min
Lab File: VW032057.D
Acq: 11 Aug 2025 11:08

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Tgt Ion: 41 Resp: 205729

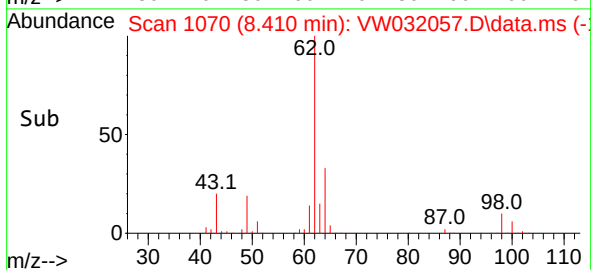
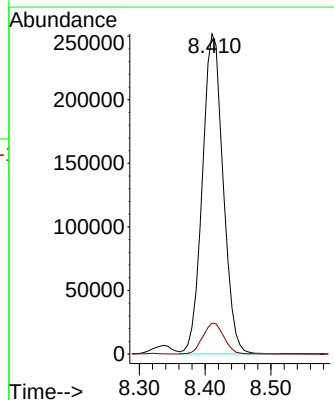
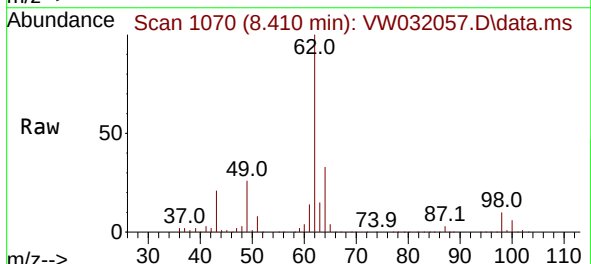
Ion	Ratio	Lower	Upper
41	100		
39	58.7	42.6	63.8
67	76.7	61.0	91.4
52	30.4	25.0	37.4

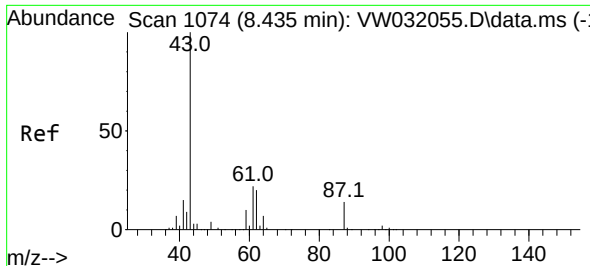


#42
1,2-Dichloroethane
Concen: 144.388 ug/l
RT: 8.410 min Scan# 1070
Delta R.T. -0.000 min
Lab File: VW032057.D
Acq: 11 Aug 2025 11:08

Tgt Ion: 62 Resp: 552184

Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	19.8

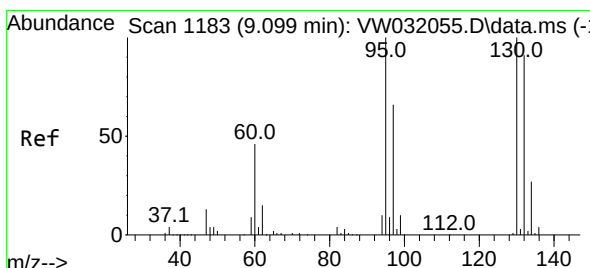
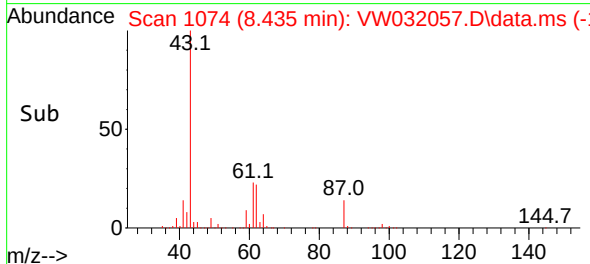
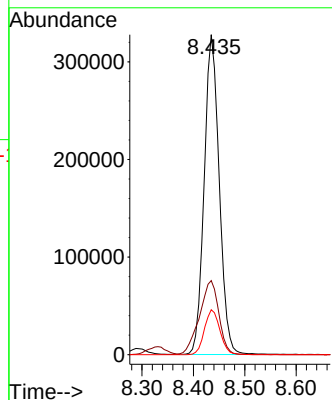
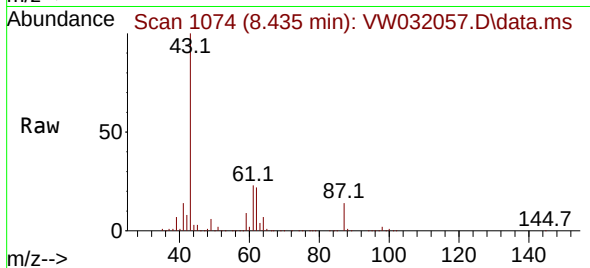




#43
Isopropyl Acetate
Concen: 159.788 ug/l
RT: 8.435 min Scan# 1074
Delta R.T. -0.000 min
Lab File: VW032057.D
Acq: 11 Aug 2025 11:08

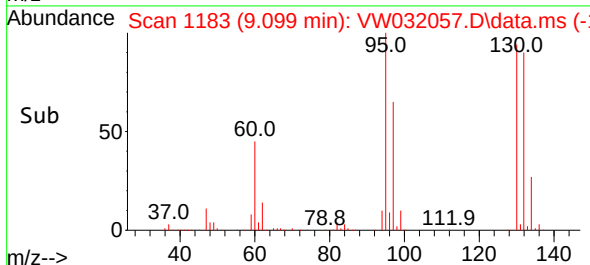
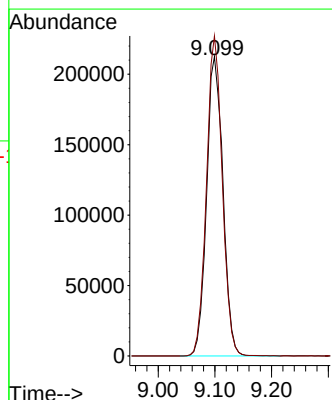
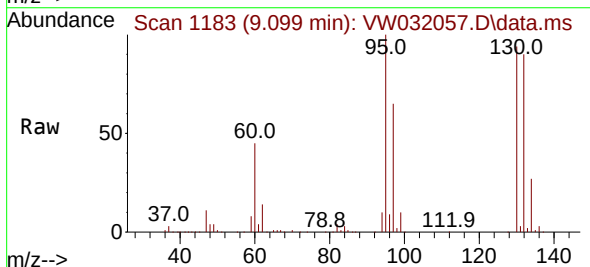
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

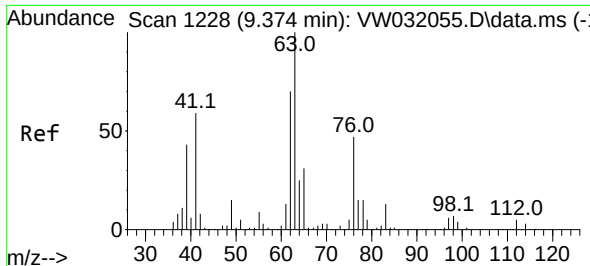
Tgt Ion: 43	Resp: 665712
Ion Ratio	Lower Upper
43 100	
61 29.7	23.8 35.8
87 14.5	11.7 17.5



#44
Trichloroethene
Concen: 149.281 ug/l
RT: 9.099 min Scan# 1183
Delta R.T. -0.000 min
Lab File: VW032057.D
Acq: 11 Aug 2025 11:08

Tgt Ion:130	Resp: 424873
Ion Ratio	Lower Upper
130 100	
95 106.9	0.0 200.6

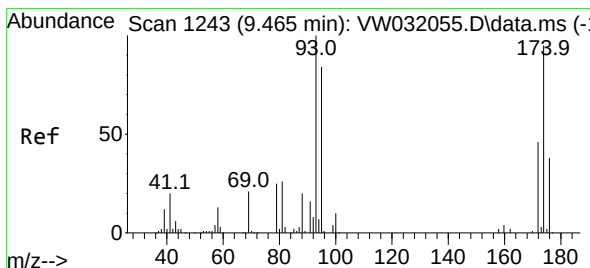
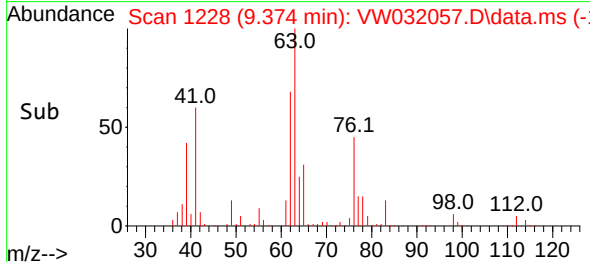
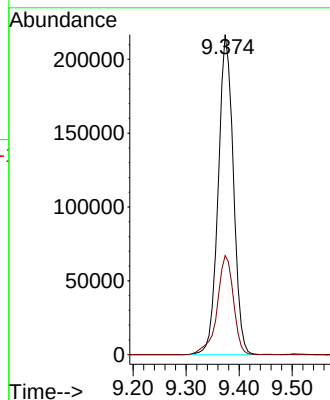
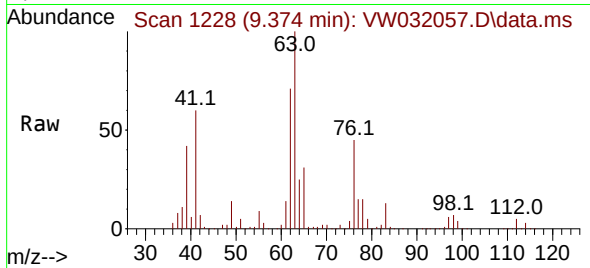




#45
1,2-Dichloropropane
Concen: 148.679 ug/l
RT: 9.374 min Scan# 1228
Delta R.T. -0.000 min
Lab File: VW032057.D
Acq: 11 Aug 2025 11:08

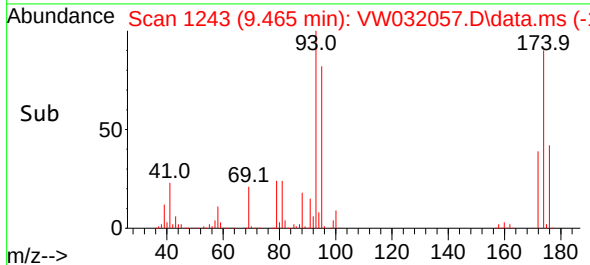
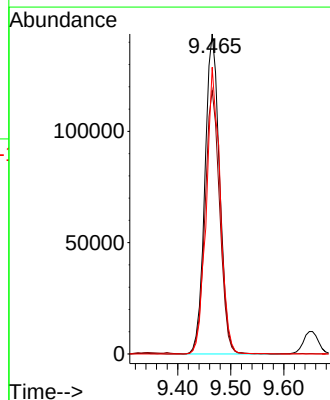
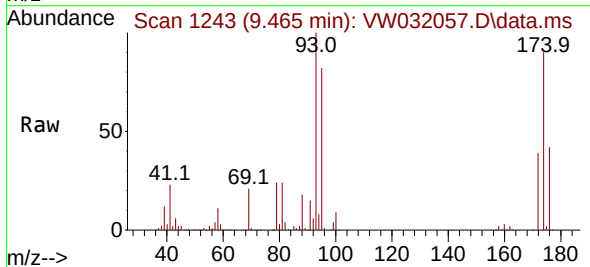
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

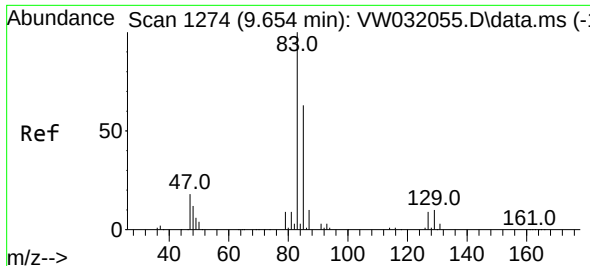
Tgt Ion: 63 Resp: 429280
Ion Ratio Lower Upper
63 100
65 30.9 24.6 36.8



#46
Dibromomethane
Concen: 148.678 ug/l
RT: 9.465 min Scan# 1243
Delta R.T. -0.000 min
Lab File: VW032057.D
Acq: 11 Aug 2025 11:08

Tgt Ion: 93 Resp: 277058
Ion Ratio Lower Upper
93 100
95 82.2 65.3 97.9
174 84.7 68.6 102.8

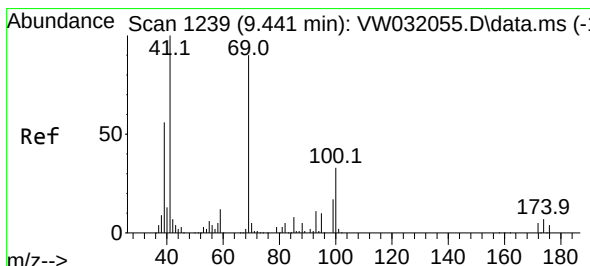
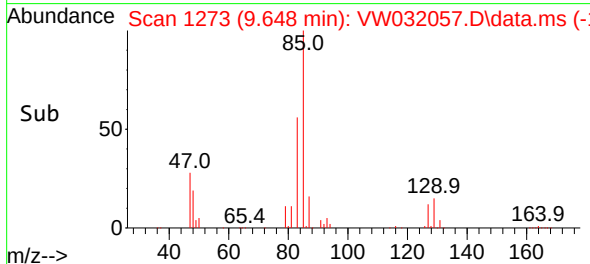
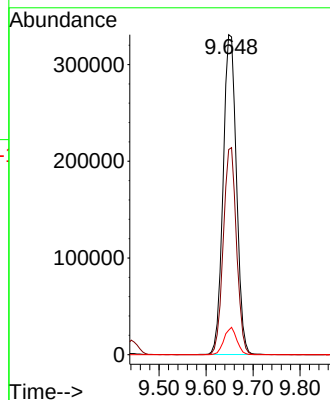
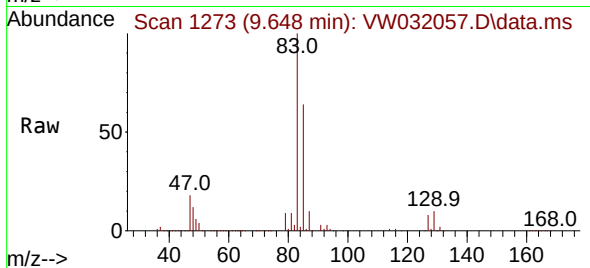




#47
Bromodichloromethane
Concen: 152.185 ug/l
RT: 9.648 min Scan# 1273
Delta R.T. -0.006 min
Lab File: VW032057.D
Acq: 11 Aug 2025 11:08

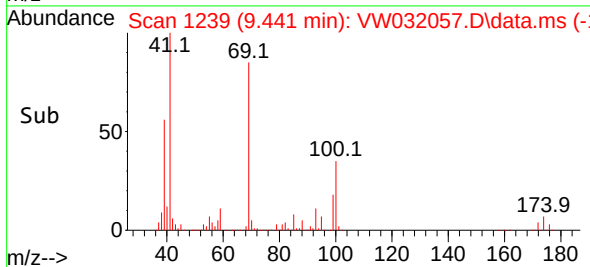
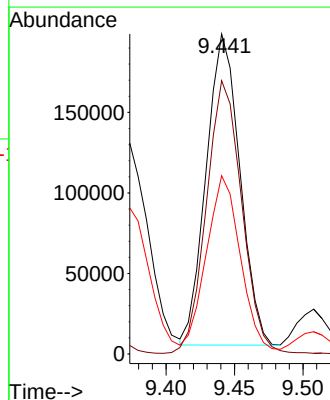
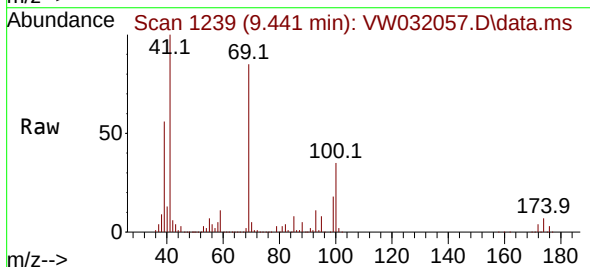
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

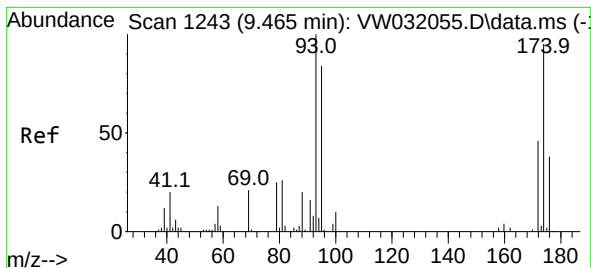
Tgt Ion: 83 Resp: 653476
Ion Ratio Lower Upper
83 100
85 64.1 50.6 75.8
127 7.7 6.9 10.3



#48
Methyl methacrylate
Concen: 164.326 ug/l
RT: 9.441 min Scan# 1239
Delta R.T. -0.000 min
Lab File: VW032057.D
Acq: 11 Aug 2025 11:08

Tgt Ion: 41 Resp: 330511
Ion Ratio Lower Upper
41 100
69 92.4 73.0 109.6
39 55.2 45.0 67.4





#49

1,4-Dioxane

Concen: 3279.484 ug/l

RT: 9.459 min Scan# 11

Delta R.T. -0.006 min

Lab File: VW032057.D

Acq: 11 Aug 2025 11:08

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC150

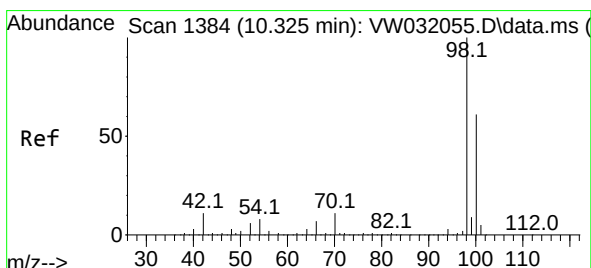
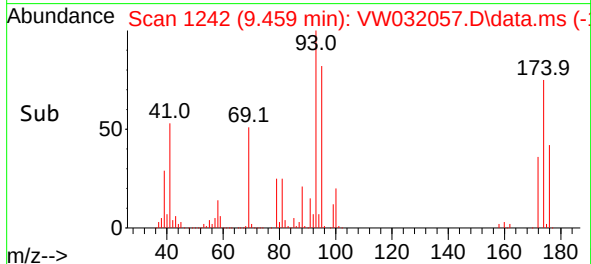
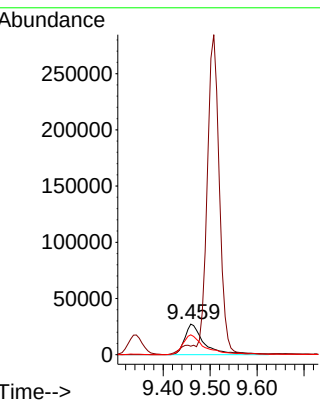
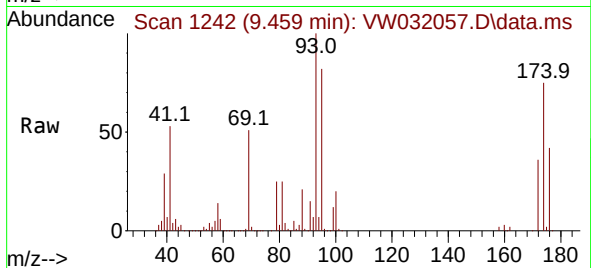
Tgt Ion: 88 Resp: 79016

Ion Ratio Lower Upper

88 100

43 0.0 20.6 30.8#

58 70.8 60.4 90.6



#50

Toluene-d8

Concen: 147.908 ug/l

RT: 10.331 min Scan# 1385

Delta R.T. 0.006 min

Lab File: VW032057.D

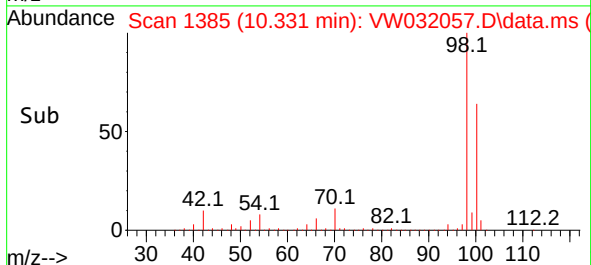
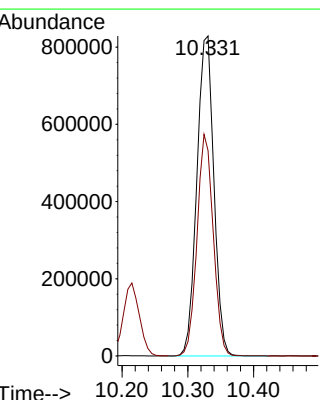
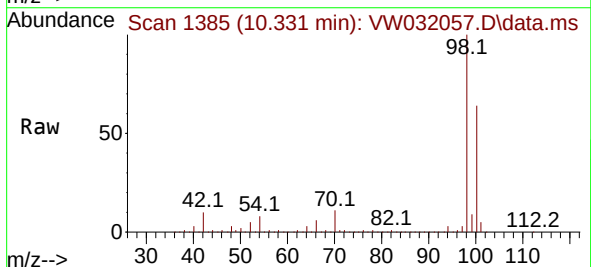
Acq: 11 Aug 2025 11:08

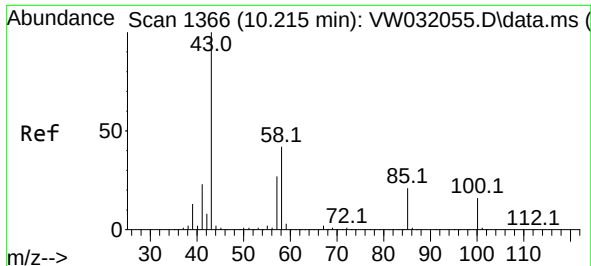
Tgt Ion: 98 Resp: 1492050

Ion Ratio Lower Upper

98 100

100 66.0 51.1 76.7

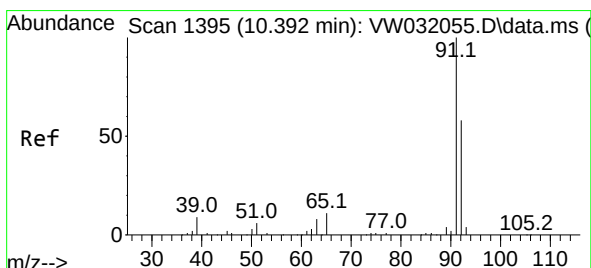
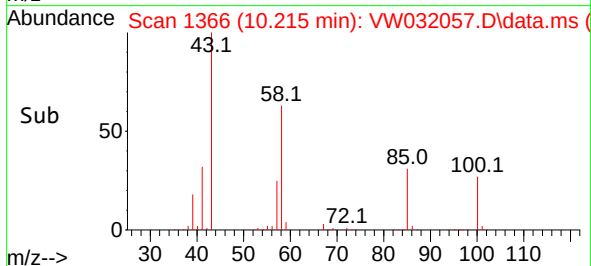
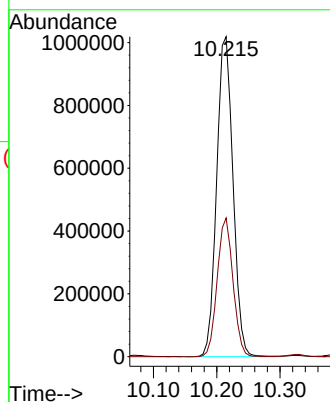
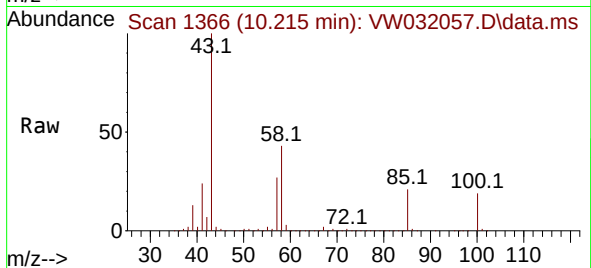




#51
4-Methyl-2-Pentanone
Concen: 772.800 ug/l
RT: 10.215 min Scan# 1366
Delta R.T. -0.000 min
Lab File: VW032057.D
Acq: 11 Aug 2025 11:08

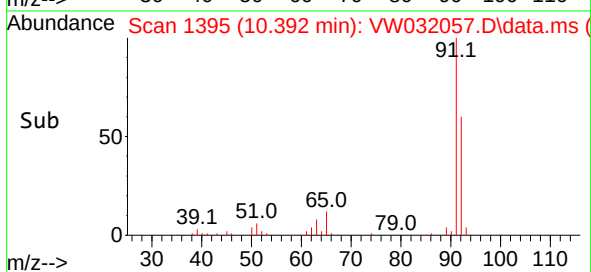
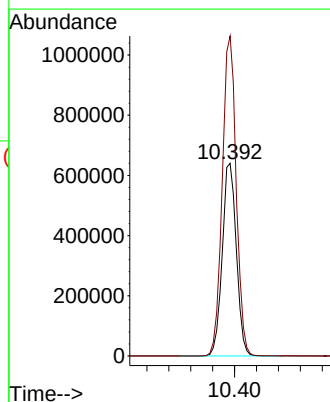
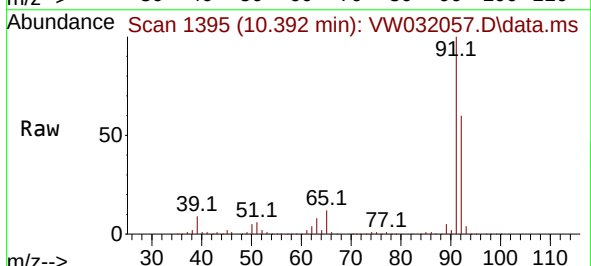
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

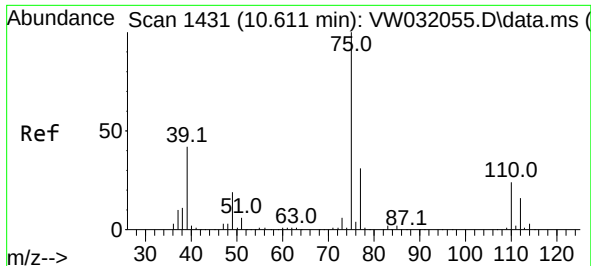
Tgt Ion: 43 Resp: 1817273
Ion Ratio Lower Upper
43 100
58 42.0 33.1 49.7



#52
Toluene
Concen: 151.812 ug/l
RT: 10.392 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VW032057.D
Acq: 11 Aug 2025 11:08

Tgt Ion: 92 Resp: 1142813
Ion Ratio Lower Upper
92 100
91 164.7 136.3 204.5

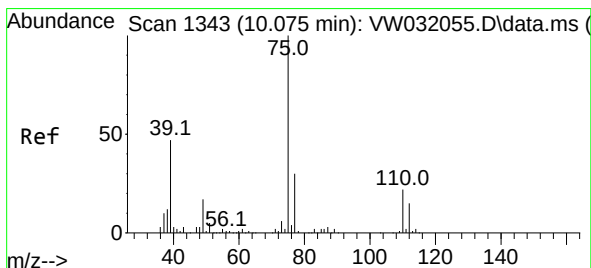
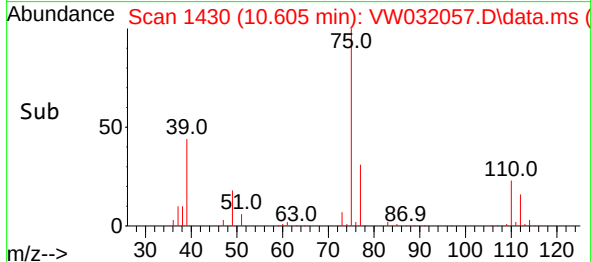
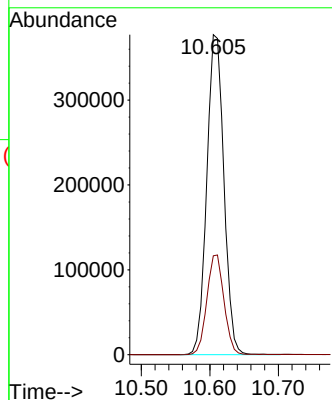
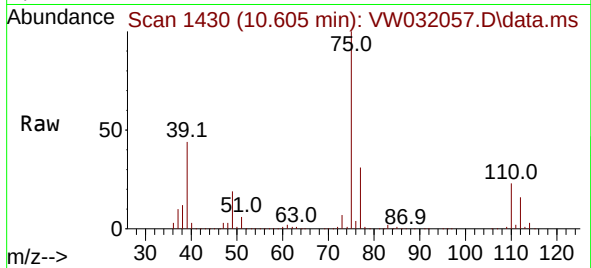




#53
t-1,3-Dichloropropene
Concen: 162.760 ug/l
RT: 10.605 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VW032057.D
Acq: 11 Aug 2025 11:08

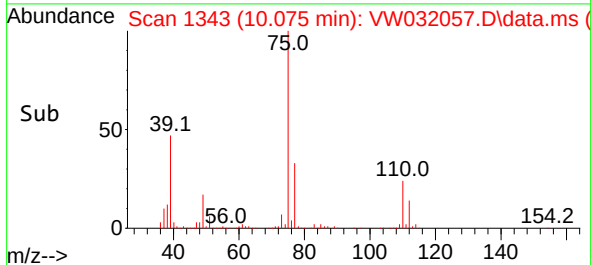
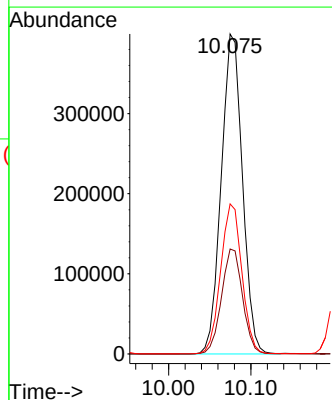
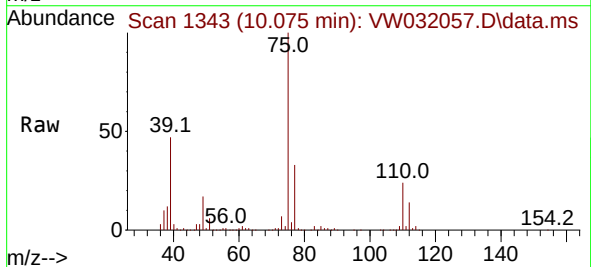
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

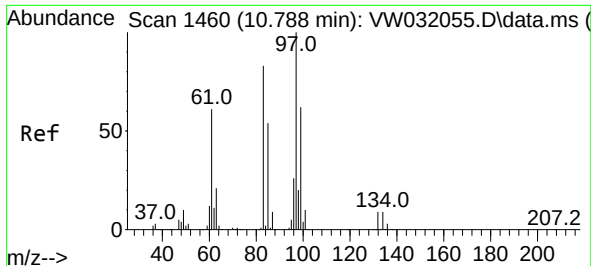
Tgt Ion: 75 Resp: 654765
Ion Ratio Lower Upper
75 100
77 30.9 25.0 37.6



#54
cis-1,3-Dichloropropene
Concen: 157.011 ug/l
RT: 10.075 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VW032057.D
Acq: 11 Aug 2025 11:08

Tgt Ion: 75 Resp: 716583
Ion Ratio Lower Upper
75 100
77 32.8 24.0 36.0
39 46.9 37.8 56.8

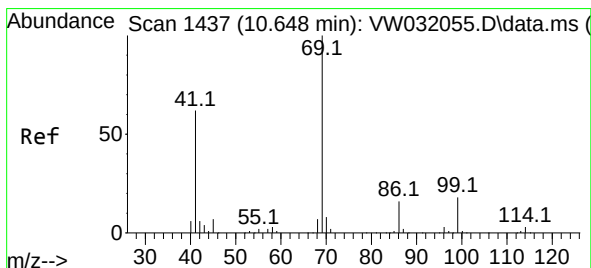
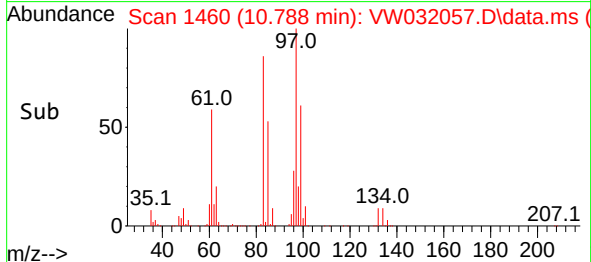
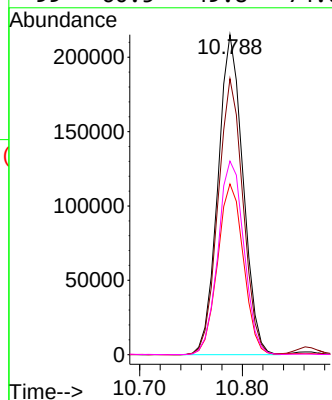
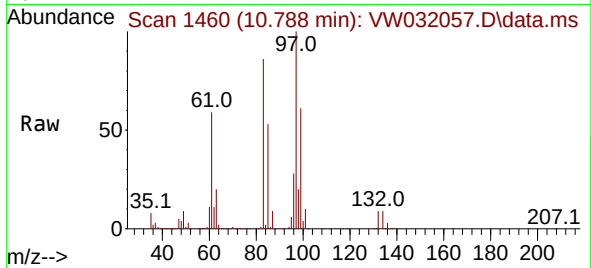




#55
1,1,2-Trichloroethane
Concen: 147.271 ug/l
RT: 10.788 min Scan# 1460
Delta R.T. -0.000 min
Lab File: VW032057.D
Acq: 11 Aug 2025 11:08

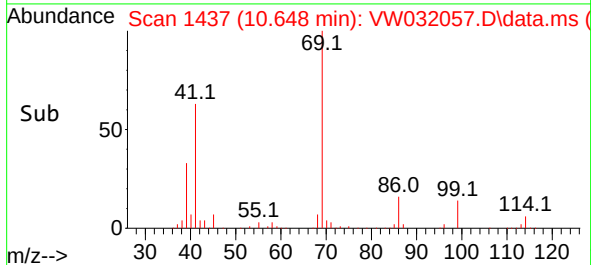
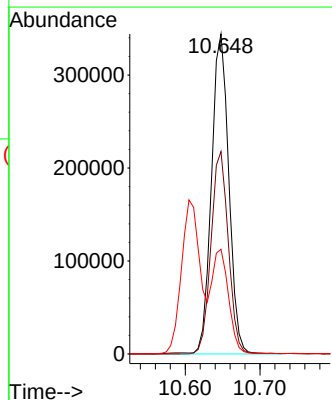
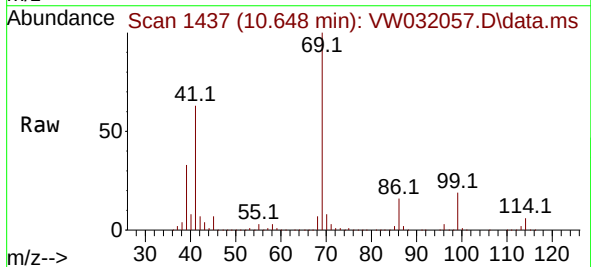
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

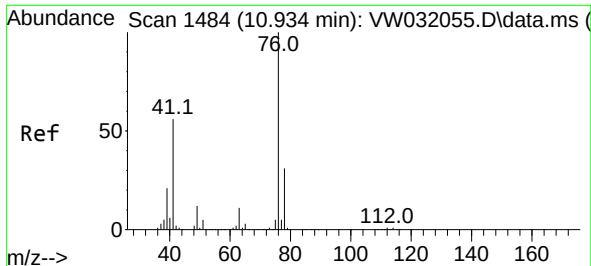
Tgt Ion:	97	Resp:	364680
Ion	Ratio	Lower	Upper
97	100		
83	86.3	66.4	99.6
85	53.3	43.1	64.7
99	60.5	49.8	74.6



#56
Ethyl methacrylate
Concen: 166.963 ug/l
RT: 10.648 min Scan# 1437
Delta R.T. -0.000 min
Lab File: VW032057.D
Acq: 11 Aug 2025 11:08

Tgt Ion:	69	Resp:	553265
Ion	Ratio	Lower	Upper
69	100		
41	62.9	51.2	76.8
39	30.8	25.4	38.0

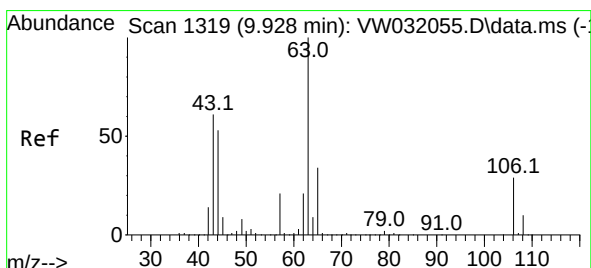
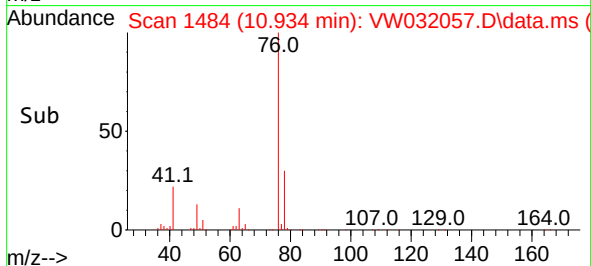
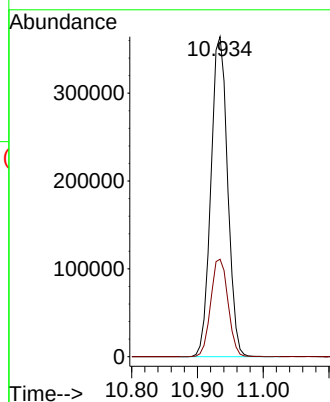
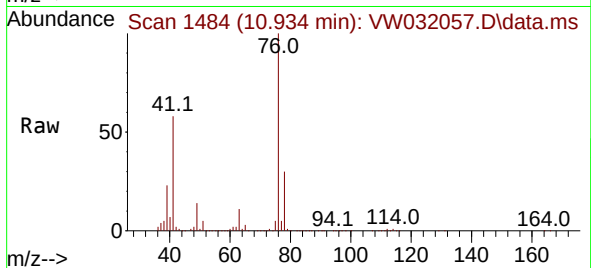




#57
1,3-Dichloropropane
Concen: 149.298 ug/l
RT: 10.934 min Scan# 1484
Delta R.T. -0.000 min
Lab File: VW032057.D
Acq: 11 Aug 2025 11:08

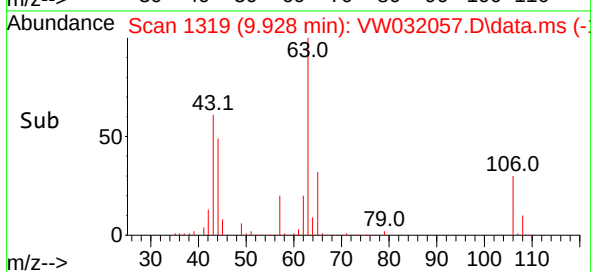
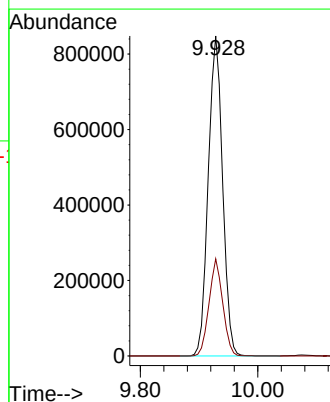
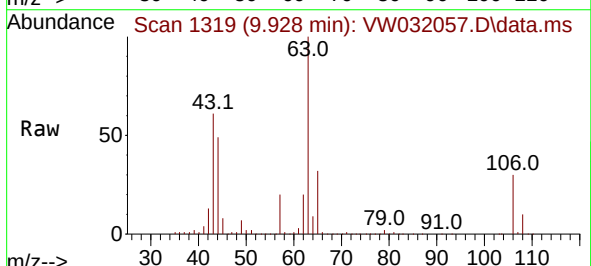
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

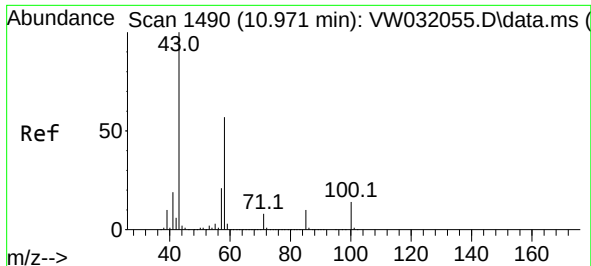
Tgt Ion: 76 Resp: 644418
Ion Ratio Lower Upper
76 100
78 31.5 25.8 38.6



#58
2-Chloroethyl Vinyl ether
Concen: 784.377 ug/l
RT: 9.928 min Scan# 1319
Delta R.T. -0.000 min
Lab File: VW032057.D
Acq: 11 Aug 2025 11:08

Tgt Ion: 63 Resp: 1437682
Ion Ratio Lower Upper
63 100
106 29.0 23.5 35.3





#59

2-Hexanone

Concen: 785.288 ug/l

RT: 10.971 min Scan# 1490

Delta R.T. -0.000 min

Lab File: VW032057.D

Acq: 11 Aug 2025 11:08

Instrument :

MSVOA_W

ClientSampleId :

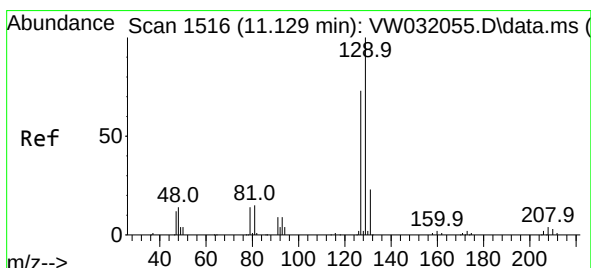
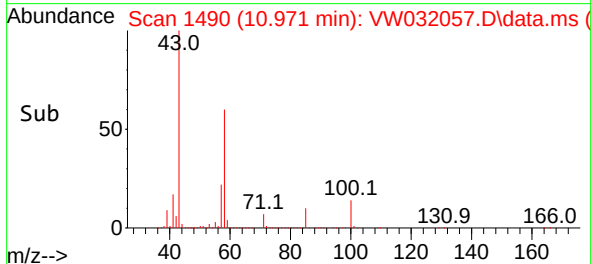
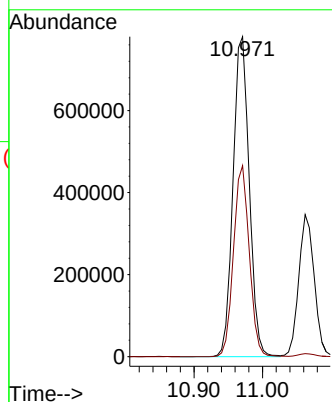
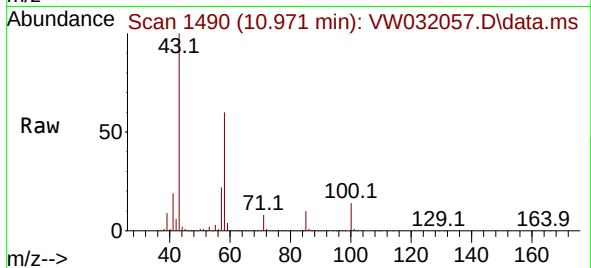
VSTDICC150

Tgt Ion: 43 Resp: 1278917

Ion Ratio Lower Upper

43 100

58 58.3 28.3 85.0



#60

Dibromochloromethane

Concen: 156.387 ug/l

RT: 11.129 min Scan# 1516

Delta R.T. -0.000 min

Lab File: VW032057.D

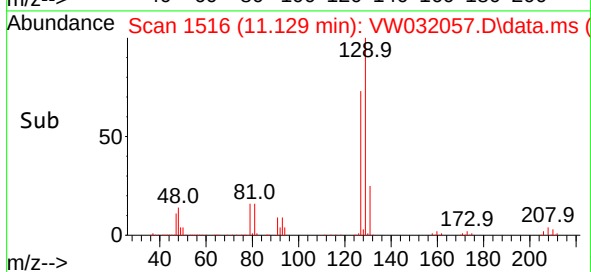
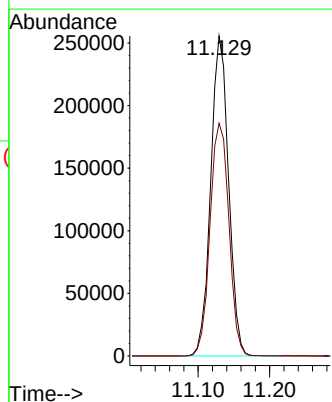
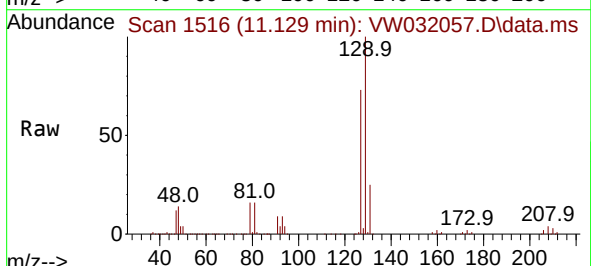
Acq: 11 Aug 2025 11:08

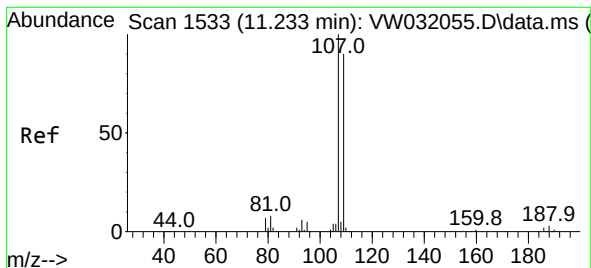
Tgt Ion: 129 Resp: 442362

Ion Ratio Lower Upper

129 100

127 77.1 39.0 116.9

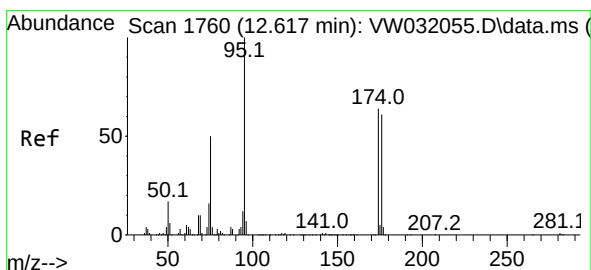
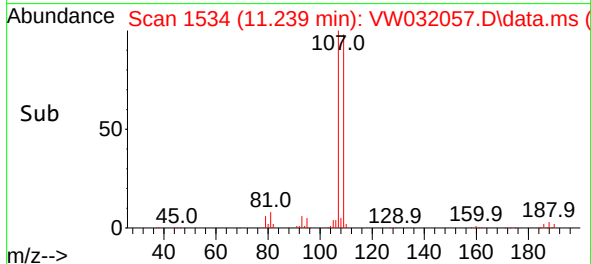
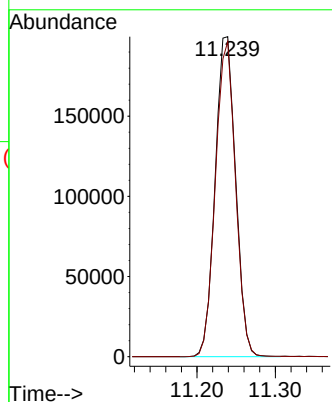
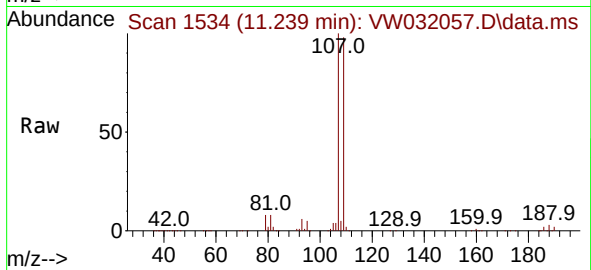




#61
1,2-Dibromoethane
Concen: 150.929 ug/l
RT: 11.239 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW032057.D
Acq: 11 Aug 2025 11:08

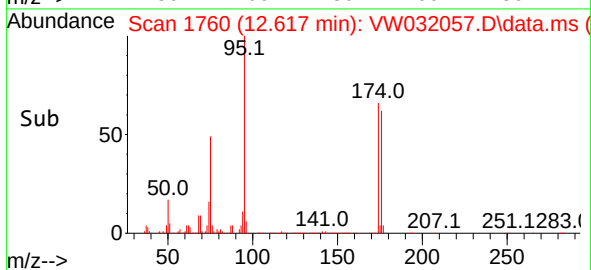
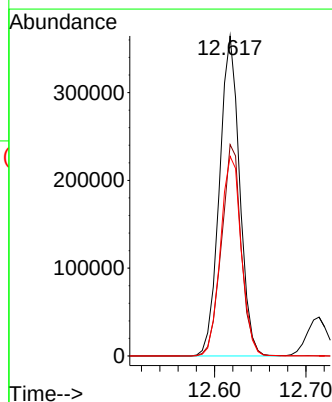
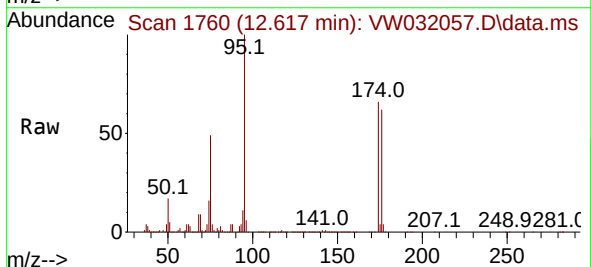
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

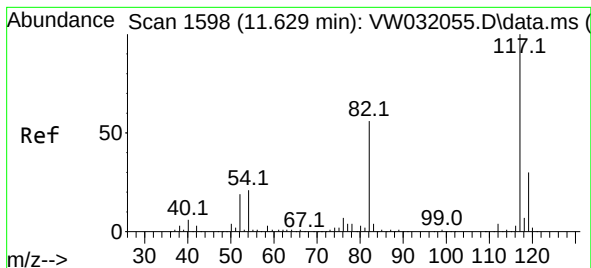
Tgt Ion:107 Resp: 363192
Ion Ratio Lower Upper
107 100
109 96.5 74.2 111.4



#62
4-Bromofluorobenzene
Concen: 150.185 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032057.D
Acq: 11 Aug 2025 11:08

Tgt Ion: 95 Resp: 558308
Ion Ratio Lower Upper
95 100
174 64.8 0.0 129.0
176 64.5 0.0 124.6

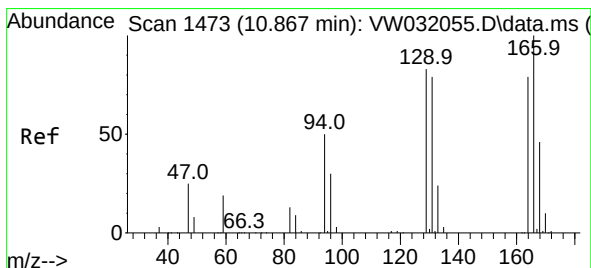
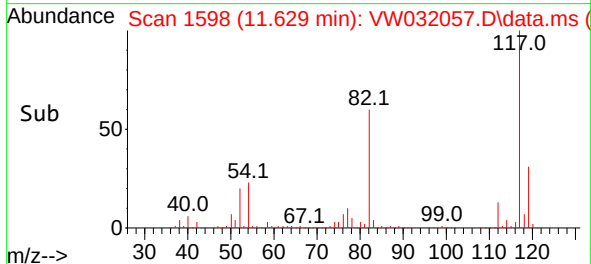
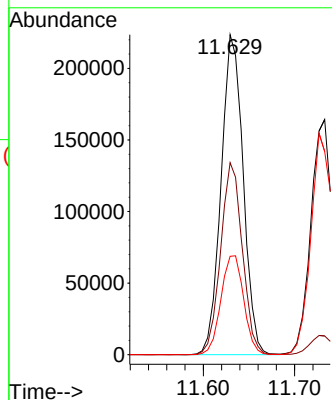
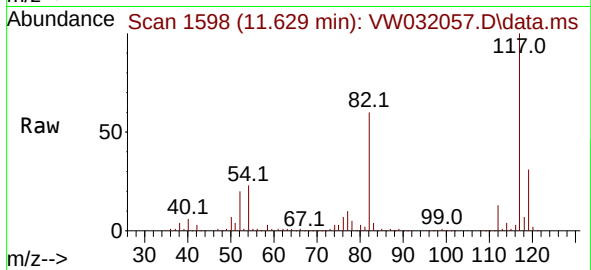




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW032057.D
Acq: 11 Aug 2025 11:08

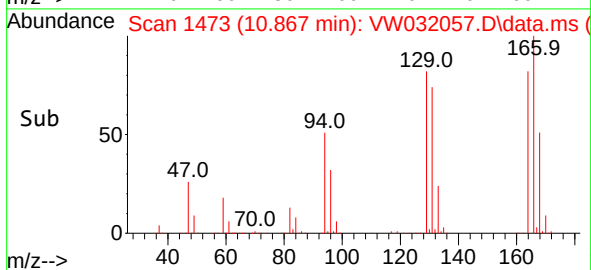
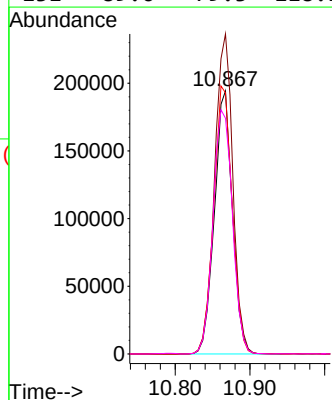
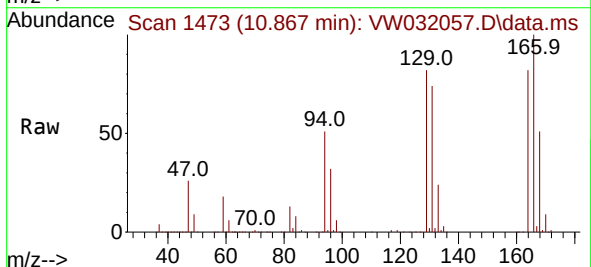
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

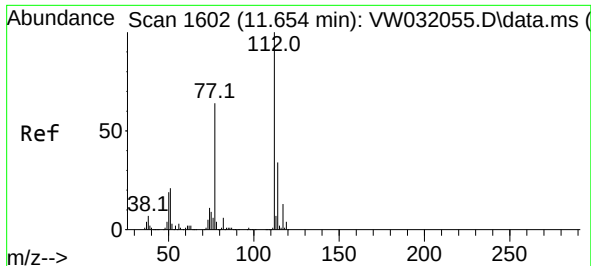
Tgt Ion:117 Resp: 375277
Ion Ratio Lower Upper
117 100
82 59.9 45.0 67.4
119 30.8 24.2 36.4



#64
Tetrachloroethene
Concen: 150.622 ug/l
RT: 10.867 min Scan# 1473
Delta R.T. -0.000 min
Lab File: VW032057.D
Acq: 11 Aug 2025 11:08

Tgt Ion:164 Resp: 326491
Ion Ratio Lower Upper
164 100
166 121.6 100.9 151.3
129 99.3 83.6 125.4
131 89.6 79.3 118.9

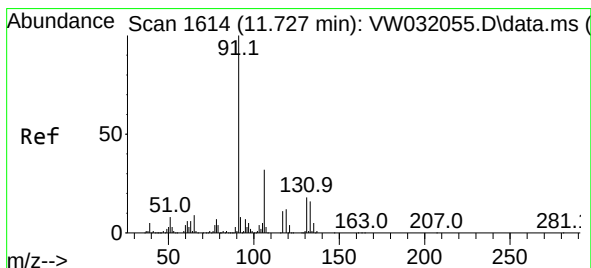
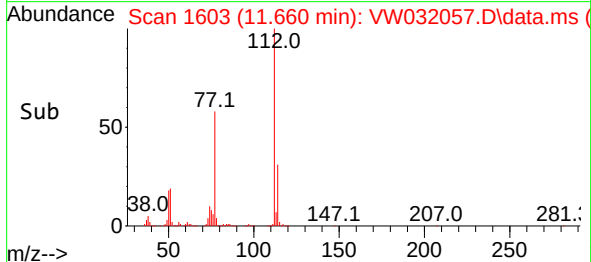
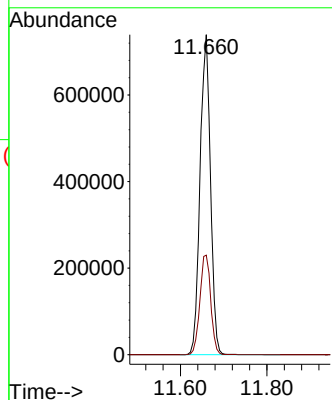
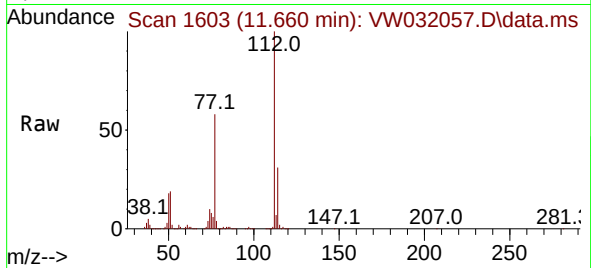




#65
Chlorobenzene
Concen: 150.609 ug/l
RT: 11.660 min Scan# 1603
Delta R.T. 0.006 min
Lab File: VW032057.D
Acq: 11 Aug 2025 11:08

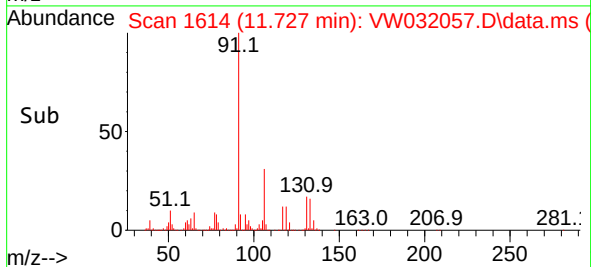
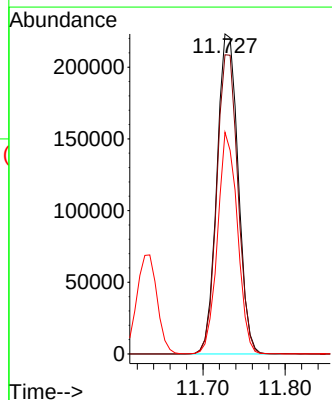
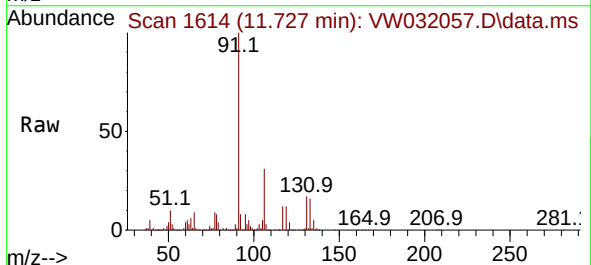
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

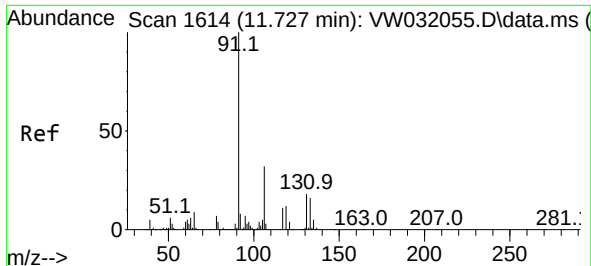
Tgt Ion:112 Resp: 1230240
Ion Ratio Lower Upper
112 100
114 31.1 26.9 40.3



#66
1,1,1,2-Tetrachloroethane
Concen: 157.017 ug/l
RT: 11.727 min Scan# 1614
Delta R.T. -0.000 min
Lab File: VW032057.D
Acq: 11 Aug 2025 11:08

Tgt Ion:131 Resp: 400167
Ion Ratio Lower Upper
131 100
133 93.2 47.3 142.0
119 65.0 34.5 103.5





#67

Ethyl Benzene

Concen: 156.328 ug/l

RT: 11.733 min Scan# 1

Delta R.T. 0.006 min

Lab File: VW032057.D

Acq: 11 Aug 2025 11:08

Instrument :

MSVOA_W

ClientSampleId :

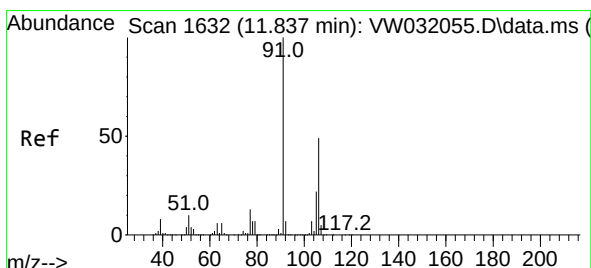
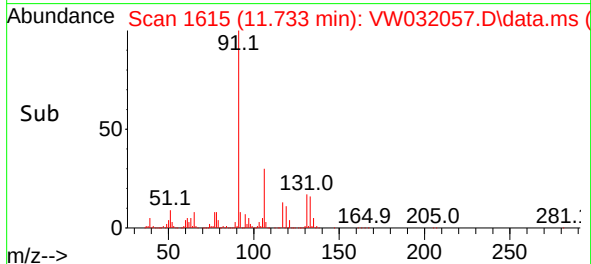
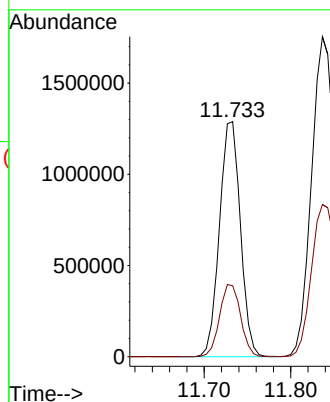
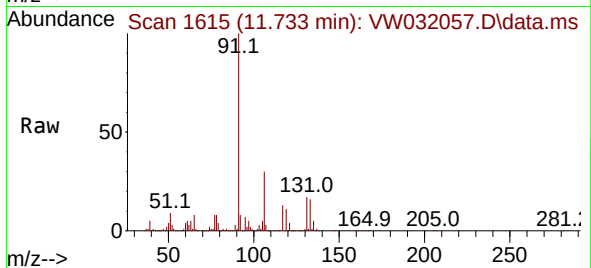
VSTDIC150

Tgt Ion: 91 Resp: 2162983

Ion Ratio Lower Upper

91 100

106 30.1 25.4 38.0



#68

m/p-Xylenes

Concen: 307.801 ug/l

RT: 11.837 min Scan# 1632

Delta R.T. -0.000 min

Lab File: VW032057.D

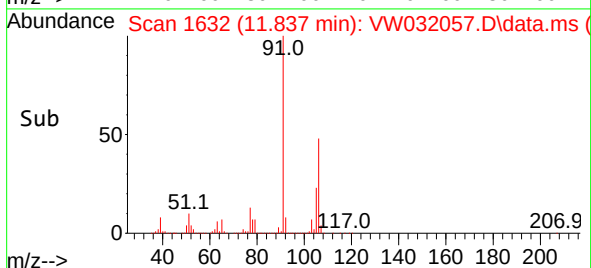
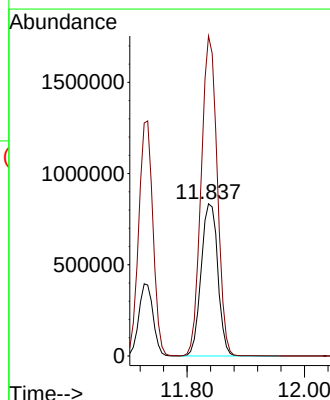
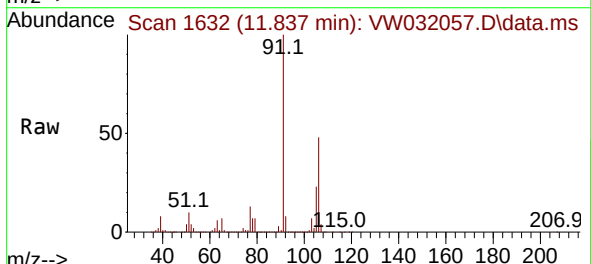
Acq: 11 Aug 2025 11:08

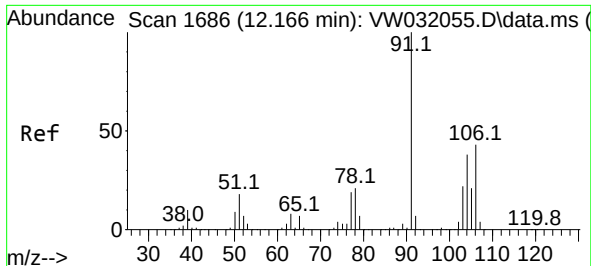
Tgt Ion:106 Resp: 1643338

Ion Ratio Lower Upper

106 100

91 203.0 162.2 243.2

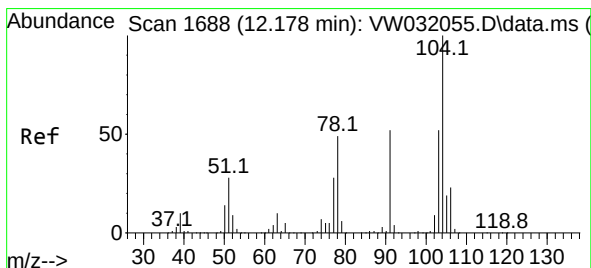
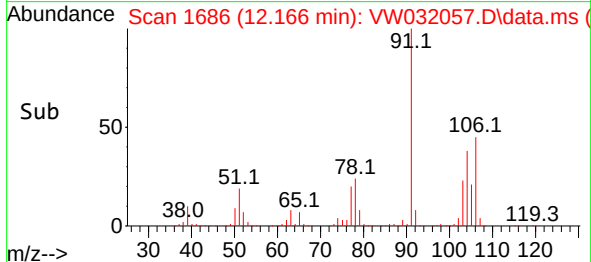
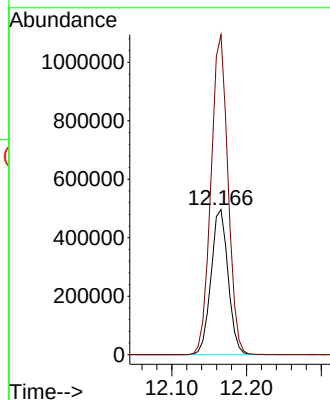
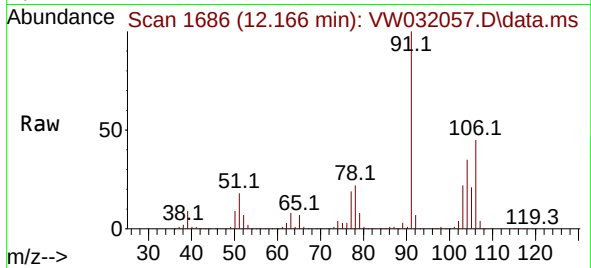




#69
o-Xylene
Concen: 159.450 ug/l
RT: 12.166 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032057.D
Acq: 11 Aug 2025 11:08

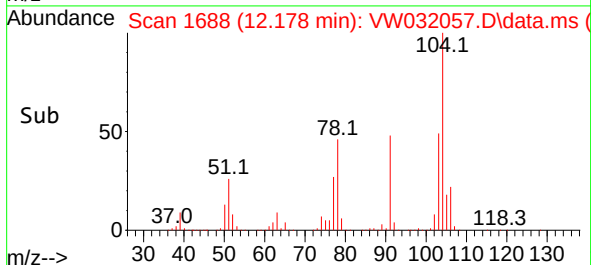
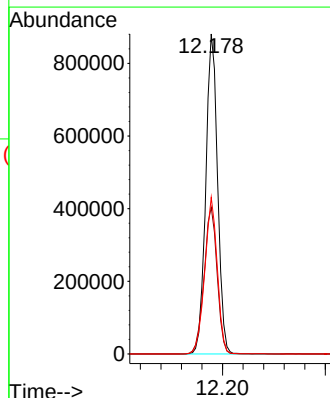
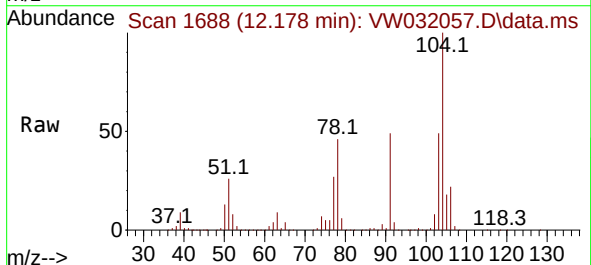
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

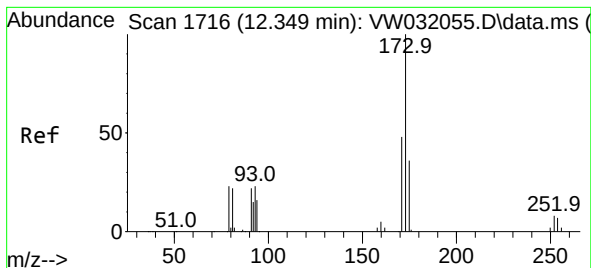
Tgt Ion:106 Resp: 786831
Ion Ratio Lower Upper
106 100
91 220.1 110.8 332.3



#70
Styrene
Concen: 160.482 ug/l
RT: 12.178 min Scan# 1688
Delta R.T. -0.000 min
Lab File: VW032057.D
Acq: 11 Aug 2025 11:08

Tgt Ion:104 Resp: 1406640
Ion Ratio Lower Upper
104 100
78 50.4 41.2 61.8
103 51.7 43.8 65.8





#71

Bromoform

Concen: 163.720 ug/l

RT: 12.349 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW032057.D

Acq: 11 Aug 2025 11:08

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC150

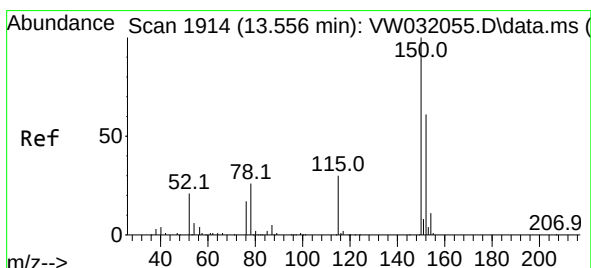
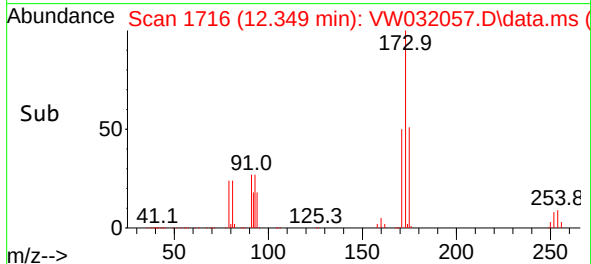
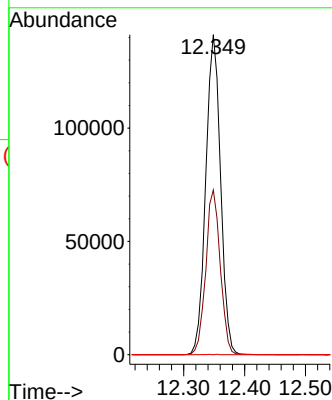
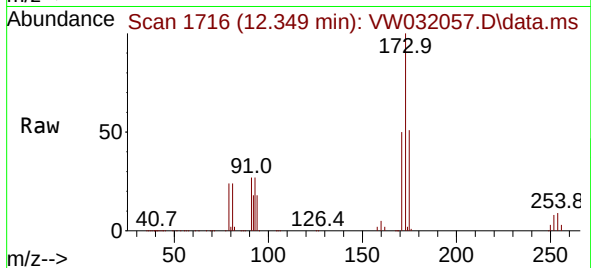
Tgt Ion:173 Resp: 238675

Ion Ratio Lower Upper

173 100

175 50.4 22.9 68.7

254 0.1 0.0 0.0#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.550 min Scan# 1913

Delta R.T. -0.006 min

Lab File: VW032057.D

Acq: 11 Aug 2025 11:08

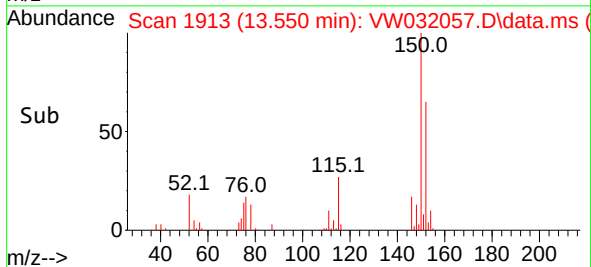
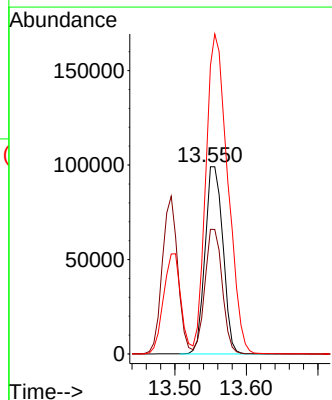
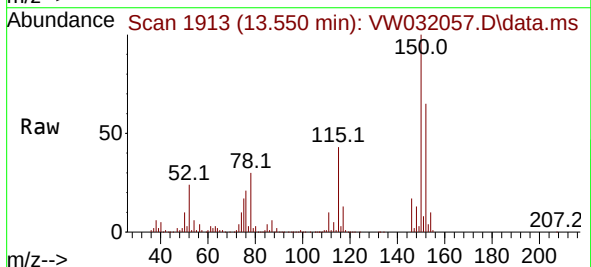
Tgt Ion:152 Resp: 172321

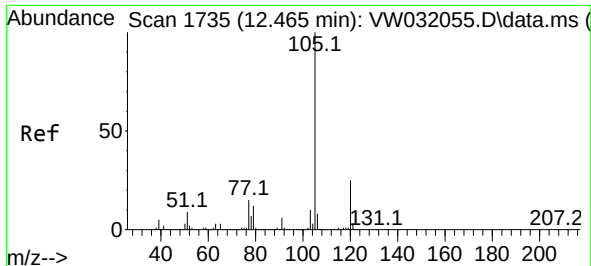
Ion Ratio Lower Upper

152 100

115 64.2 32.6 97.8

150 208.3 0.0 359.4

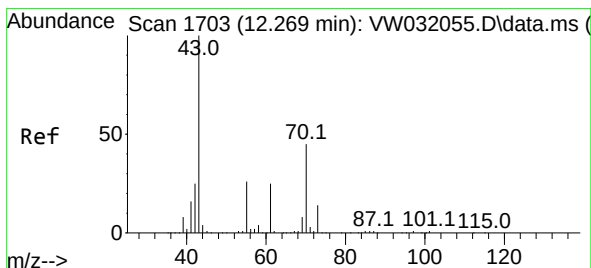
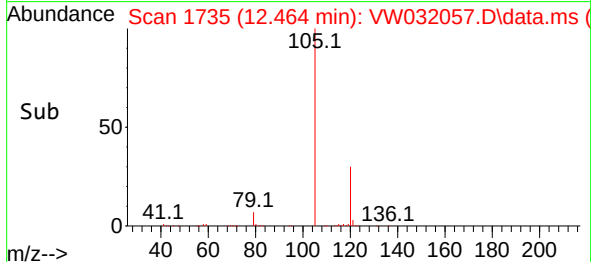
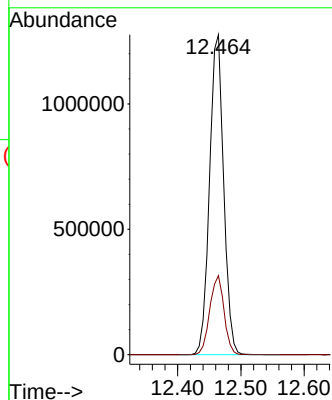
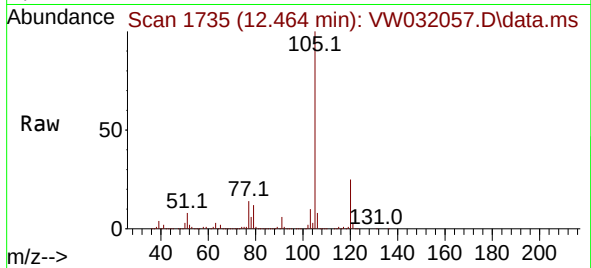




#73
Isopropylbenzene
Concen: 164.188 ug/l
RT: 12.464 min Scan# 1735
Delta R.T. -0.000 min
Lab File: VW032057.D
Acq: 11 Aug 2025 11:08

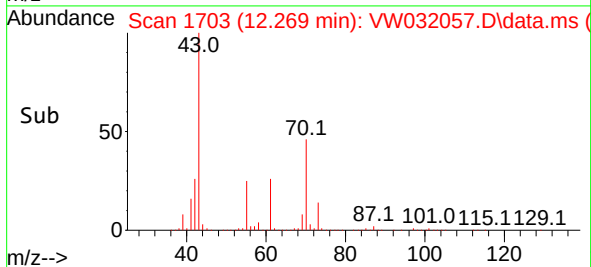
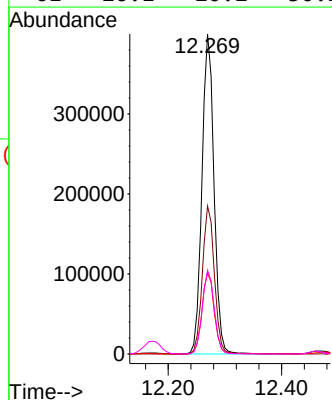
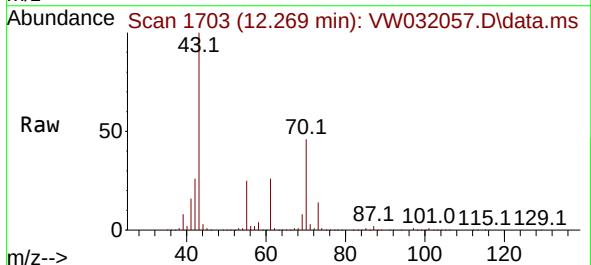
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

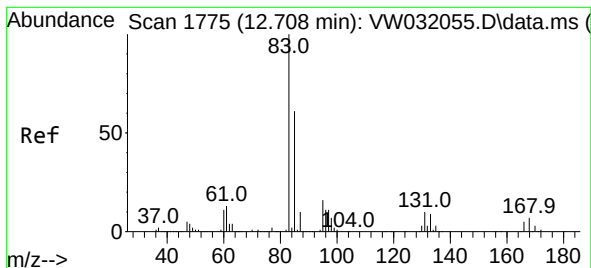
Tgt Ion:105 Resp: 1977280
Ion Ratio Lower Upper
105 100
120 25.0 12.8 38.4



#74
N-ethyl acetate
Concen: 170.556 ug/l
RT: 12.269 min Scan# 1703
Delta R.T. -0.000 min
Lab File: VW032057.D
Acq: 11 Aug 2025 11:08

Tgt Ion: 43 Resp: 589285
Ion Ratio Lower Upper
43 100
70 46.3 37.0 55.4
55 25.7 21.1 31.7
61 26.1 20.2 30.2





#75

1,1,2,2-Tetrachloroethane

Concen: 157.276 ug/l

RT: 12.708 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW032057.D

Acq: 11 Aug 2025 11:08

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC150

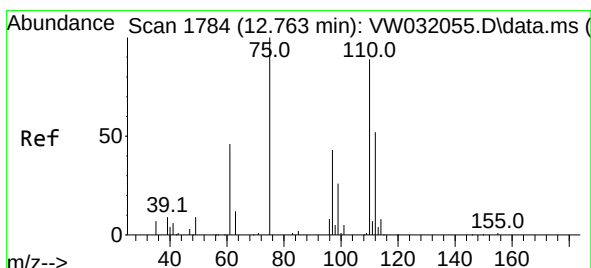
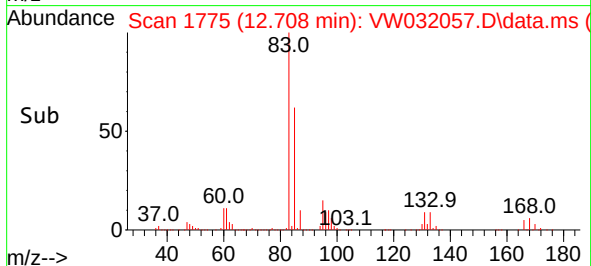
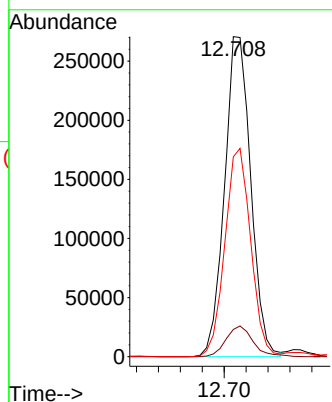
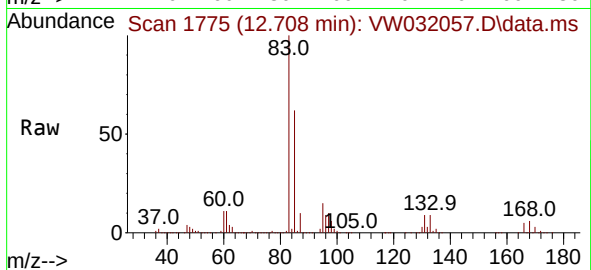
Tgt Ion: 83 Resp: 449708

Ion Ratio Lower Upper

83 100

131 9.9 5.1 15.4

85 64.1 32.2 96.6



#76

1,2,3-Trichloropropane

Concen: 217.539 ug/l

RT: 12.763 min Scan# 1784

Delta R.T. -0.000 min

Lab File: VW032057.D

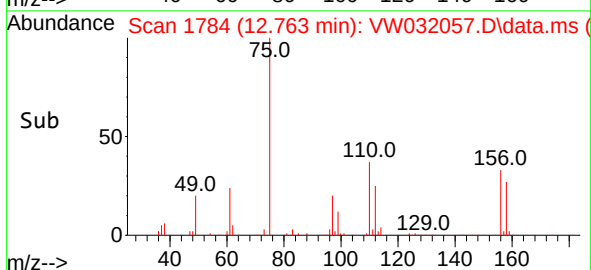
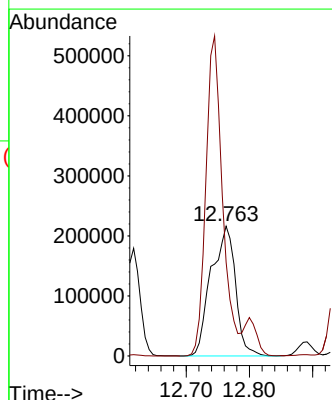
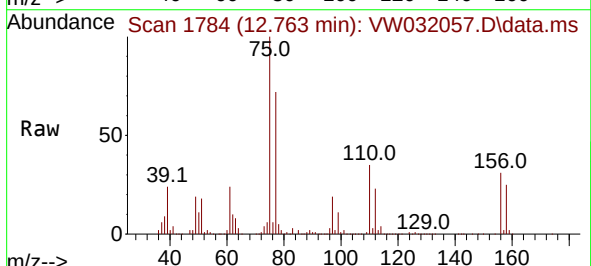
Acq: 11 Aug 2025 11:08

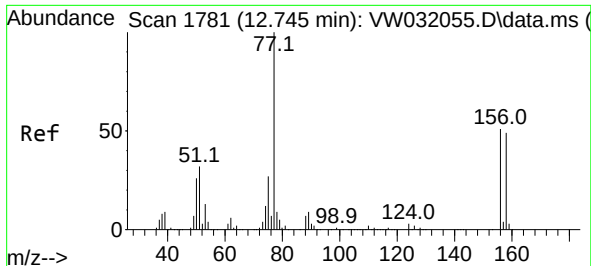
Tgt Ion: 75 Resp: 576261

Ion Ratio Lower Upper

75 100

77 168.6 123.5 370.5

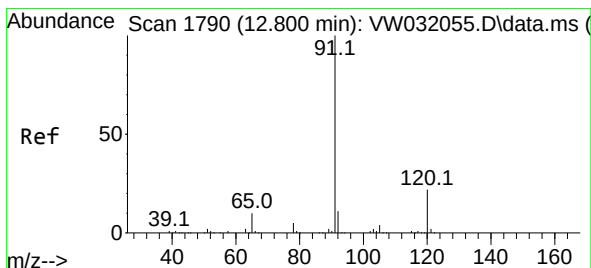
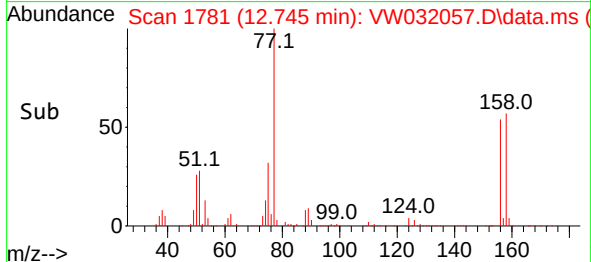
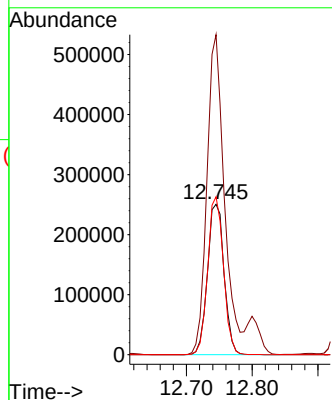
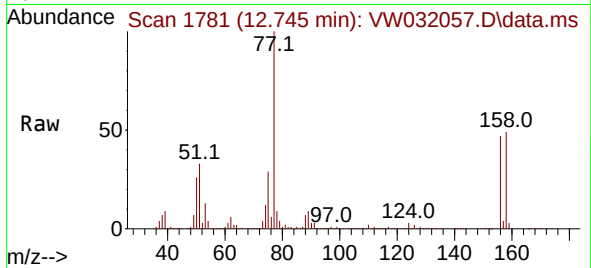




#77
Bromobenzene
Concen: 153.167 ug/l
RT: 12.745 min Scan# 1781
Delta R.T. -0.000 min
Lab File: VW032057.D
Acq: 11 Aug 2025 11:08

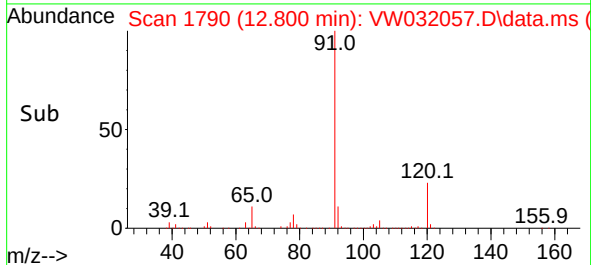
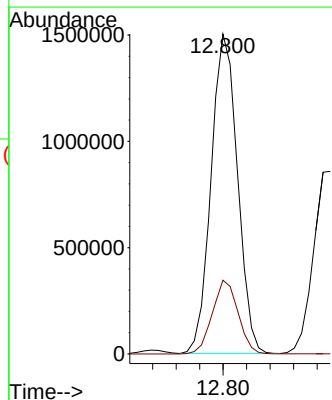
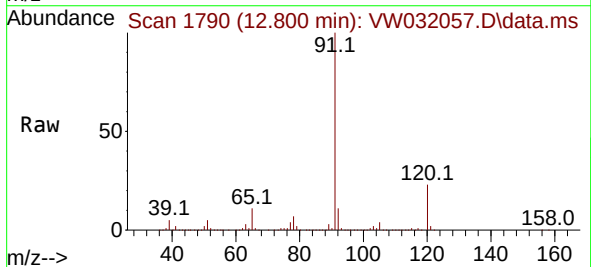
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

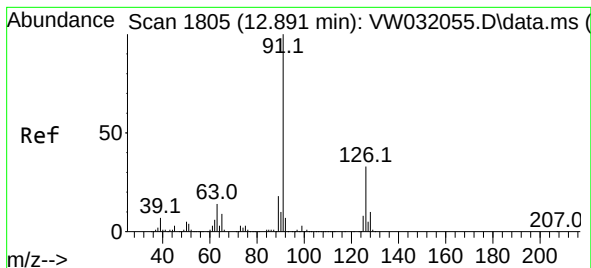
Tgt Ion:156 Resp: 440559
Ion Ratio Lower Upper
156 100
77 220.6 108.7 326.3
158 99.9 48.3 144.9



#78
n-propylbenzene
Concen: 158.253 ug/l
RT: 12.800 min Scan# 1790
Delta R.T. -0.000 min
Lab File: VW032057.D
Acq: 11 Aug 2025 11:08

Tgt Ion: 91 Resp: 2346333
Ion Ratio Lower Upper
91 100
120 22.5 11.1 33.3

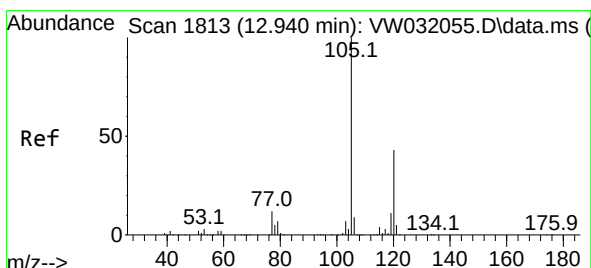
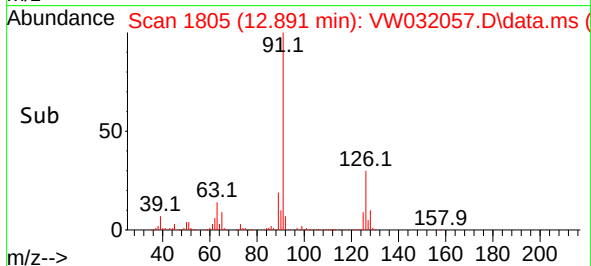
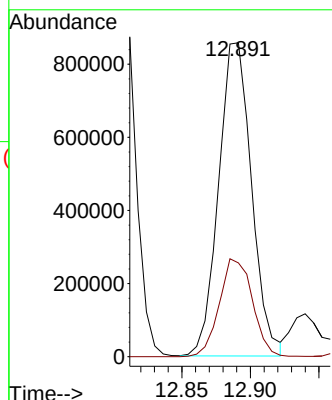
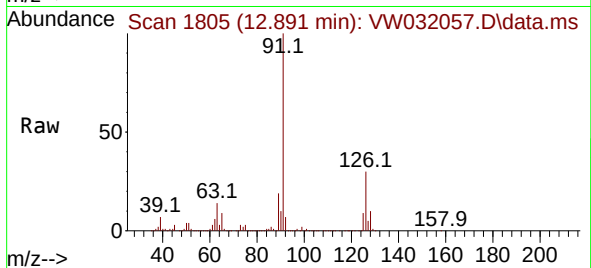




#79
2-Chlorotoluene
Concen: 156.820 ug/l
RT: 12.891 min Scan# 1805
Delta R.T. -0.000 min
Lab File: VW032057.D
Acq: 11 Aug 2025 11:08

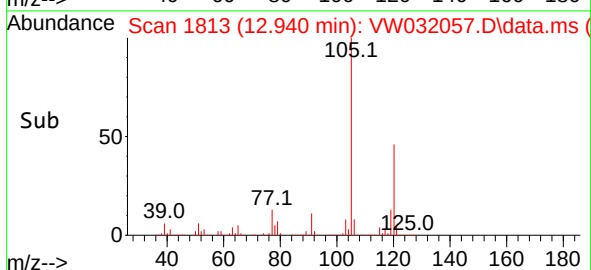
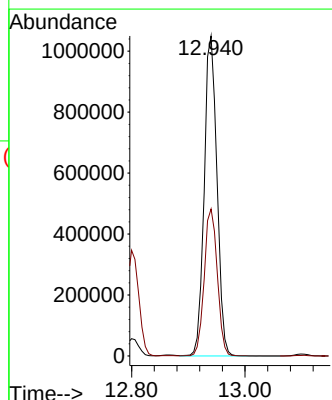
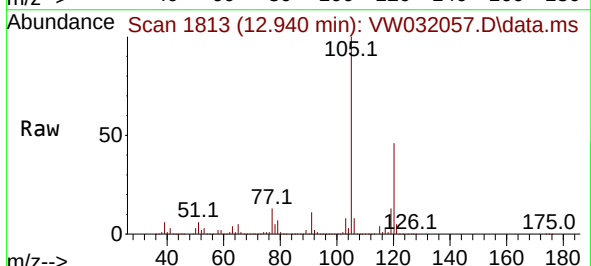
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

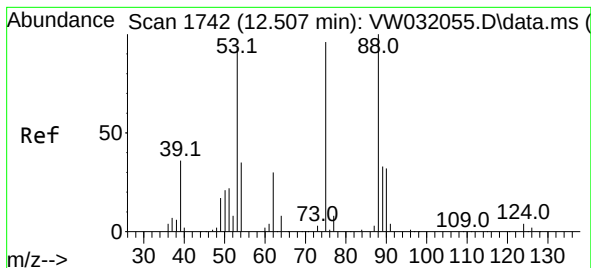
Tgt Ion: 91 Resp: 1434986
Ion Ratio Lower Upper
91 100
126 31.4 15.9 47.7



#80
1,3,5-Trimethylbenzene
Concen: 160.368 ug/l
RT: 12.940 min Scan# 1813
Delta R.T. -0.000 min
Lab File: VW032057.D
Acq: 11 Aug 2025 11:08

Tgt Ion: 105 Resp: 1639597
Ion Ratio Lower Upper
105 100
120 47.1 23.4 70.0

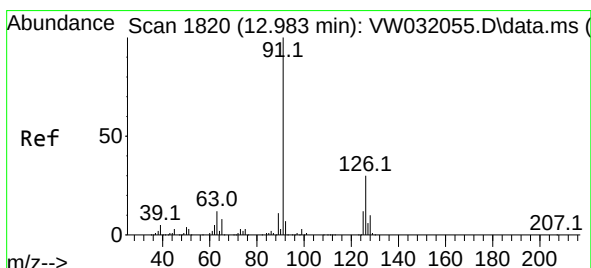
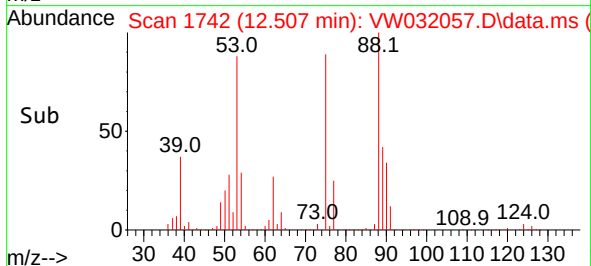
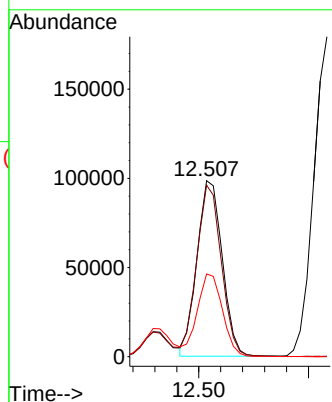
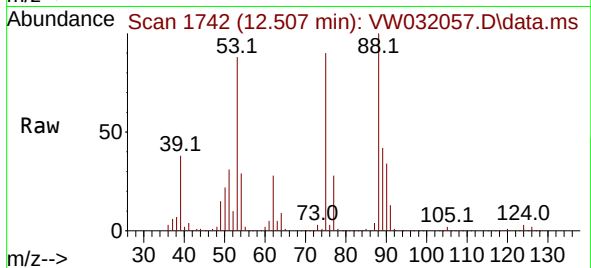




#81
trans-1,4-Dichloro-2-butene
Concen: 174.499 ug/l
RT: 12.507 min Scan# 1742
Delta R.T. -0.000 min
Lab File: VW032057.D
Acq: 11 Aug 2025 11:08

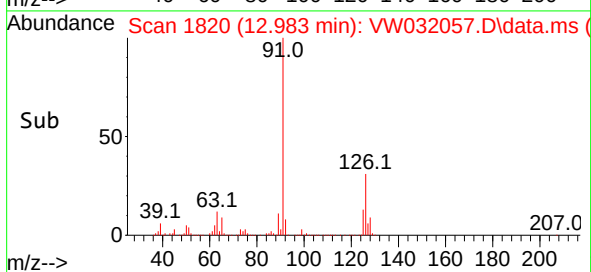
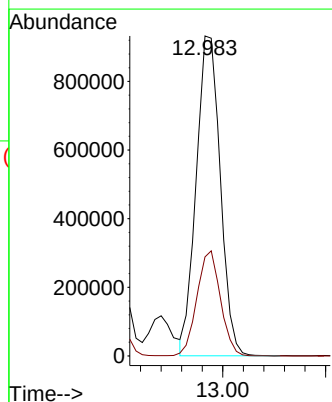
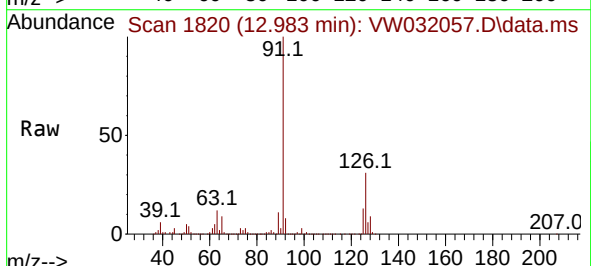
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

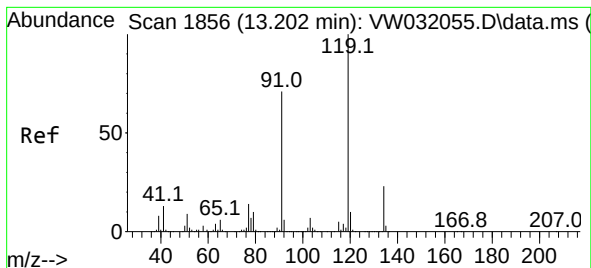
Tgt Ion: 75 Resp: 157641
Ion Ratio Lower Upper
75 100
53 95.9 81.0 121.6
89 47.5 37.3 55.9



#82
4-Chlorotoluene
Concen: 155.863 ug/l
RT: 12.983 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VW032057.D
Acq: 11 Aug 2025 11:08

Tgt Ion: 91 Resp: 1515300
Ion Ratio Lower Upper
91 100
126 32.2 15.5 46.5

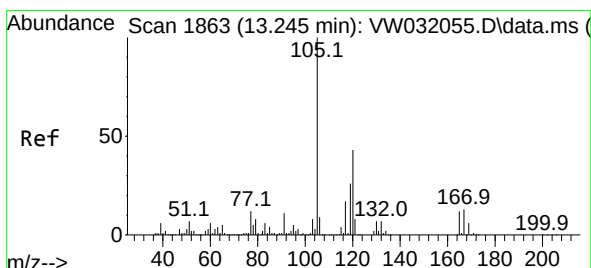
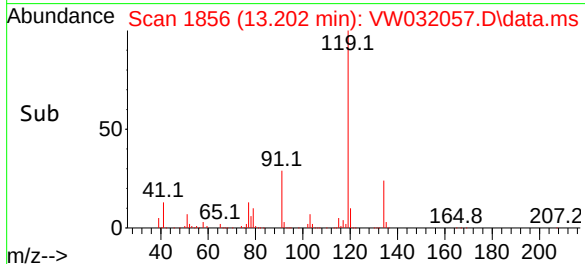
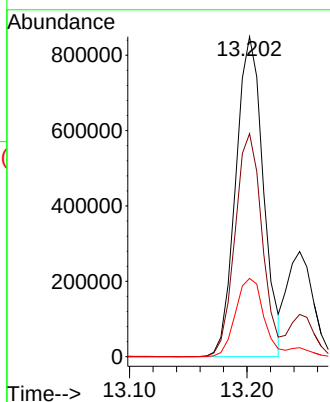
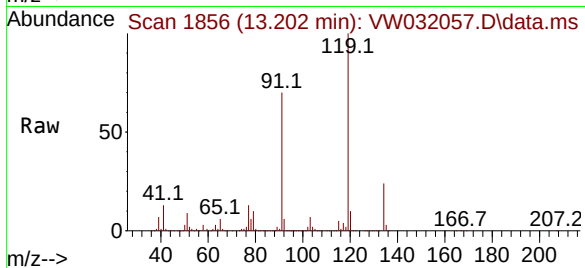




#83
tert-Butylbenzene
Concen: 163.006 ug/l
RT: 13.202 min Scan# 1856
Delta R.T. -0.000 min
Lab File: VW032057.D
Acq: 11 Aug 2025 11:08

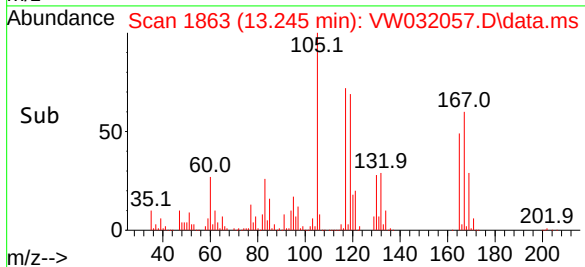
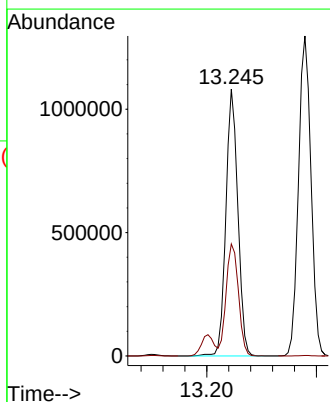
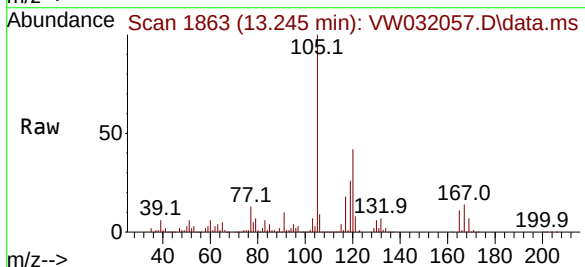
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

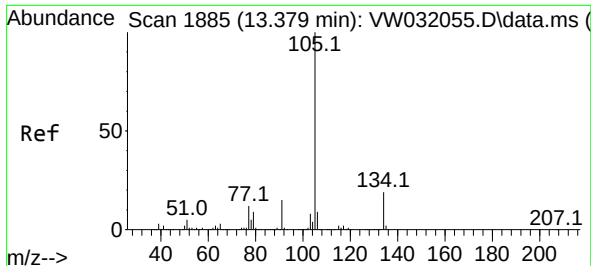
Tgt Ion:119 Resp: 1383127
Ion Ratio Lower Upper
119 100
91 68.5 35.3 105.9
134 25.2 12.1 36.3



#84
1,2,4-Trimethylbenzene
Concen: 158.189 ug/l
RT: 13.245 min Scan# 1863
Delta R.T. -0.000 min
Lab File: VW032057.D
Acq: 11 Aug 2025 11:08

Tgt Ion:105 Resp: 1646381
Ion Ratio Lower Upper
105 100
120 43.2 21.6 64.8

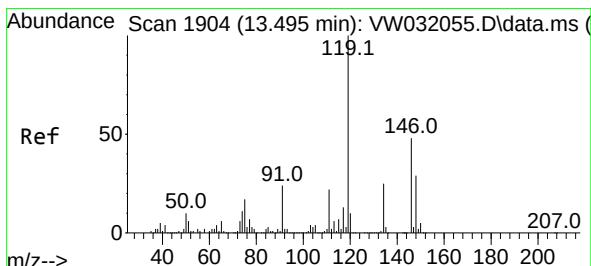
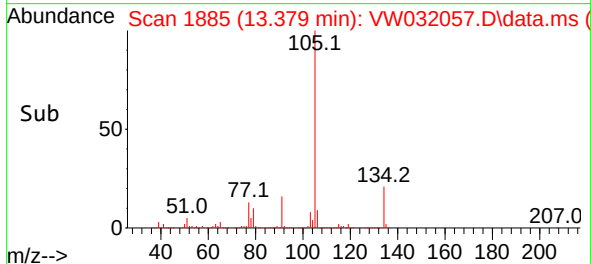
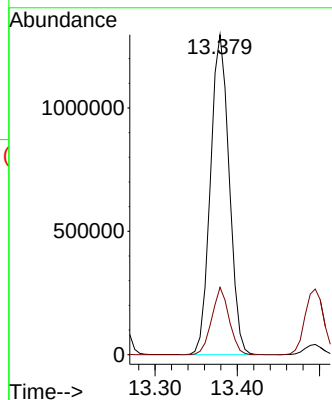
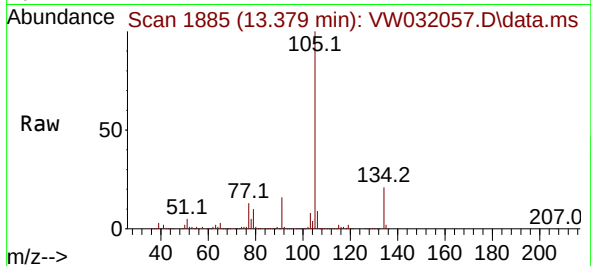




#85
 sec-Butylbenzene
 Concen: 159.625 ug/l
 RT: 13.379 min Scan# 1885
 Delta R.T. -0.000 min
 Lab File: VW032057.D
 Acq: 11 Aug 2025 11:08

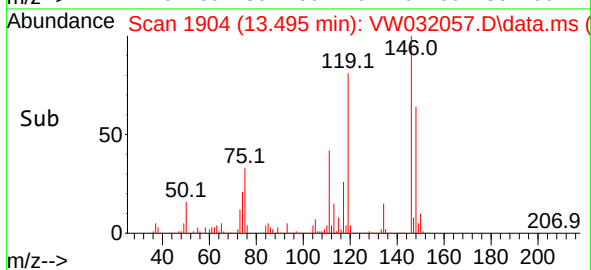
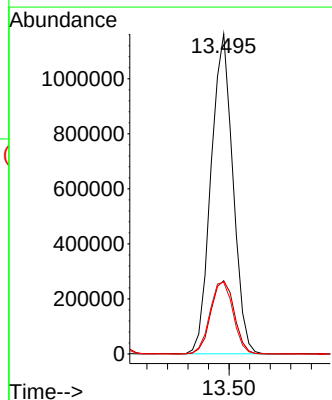
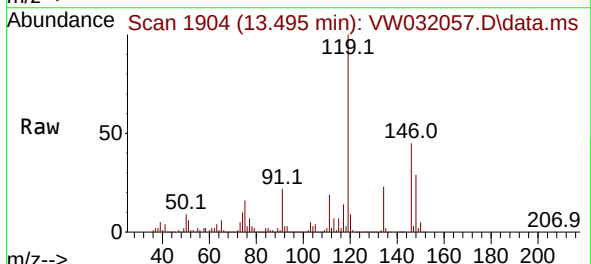
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

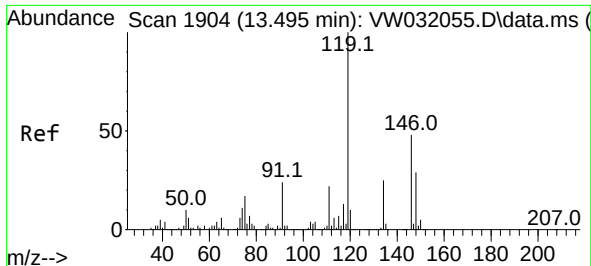
Tgt Ion:105 Resp: 2047763
 Ion Ratio Lower Upper
 105 100
 134 19.5 9.9 29.7



#86
 p-Isopropyltoluene
 Concen: 160.127 ug/l
 RT: 13.495 min Scan# 1904
 Delta R.T. -0.000 min
 Lab File: VW032057.D
 Acq: 11 Aug 2025 11:08

Tgt Ion:119 Resp: 1712519
 Ion Ratio Lower Upper
 119 100
 134 24.5 12.4 37.0
 91 24.0 12.1 36.3





#87

1,3-Dichlorobenzene

Concen: 151.629 ug/l

RT: 13.495 min Scan# 1904

Delta R.T. -0.000 min

Lab File: VW032057.D

Acq: 11 Aug 2025 11:08

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC150

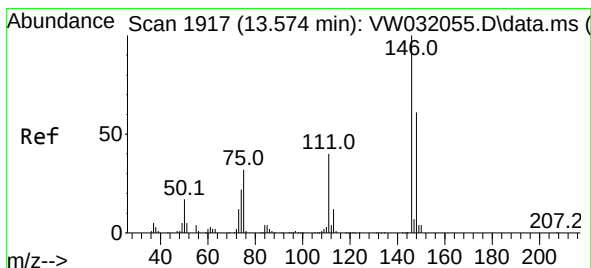
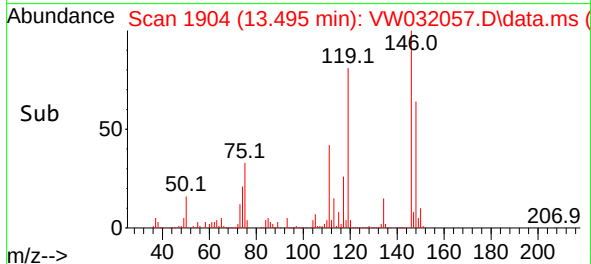
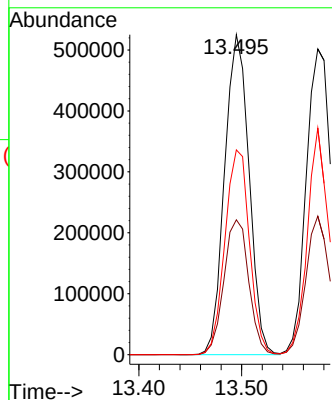
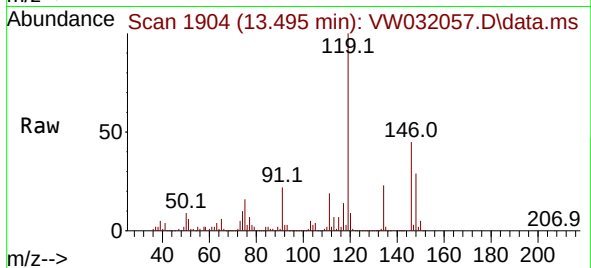
Tgt Ion:146 Resp: 867827

Ion Ratio Lower Upper

146 100

111 42.9 21.2 63.6

148 64.1 30.3 90.8



#88

1,4-Dichlorobenzene

Concen: 147.144 ug/l

RT: 13.574 min Scan# 1917

Delta R.T. -0.000 min

Lab File: VW032057.D

Acq: 11 Aug 2025 11:08

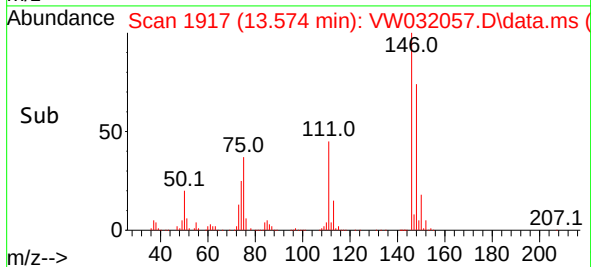
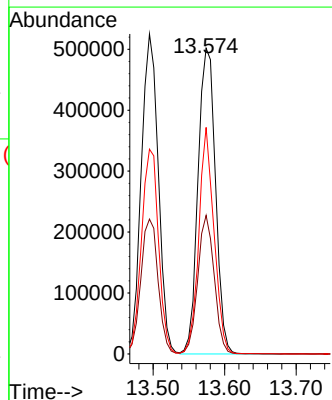
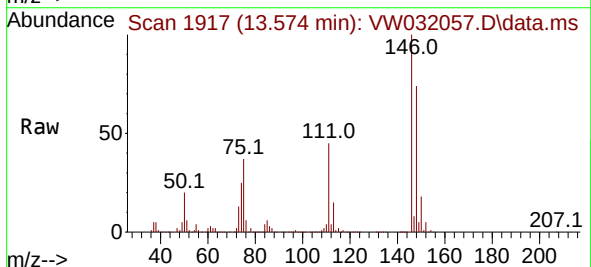
Tgt Ion:146 Resp: 851057

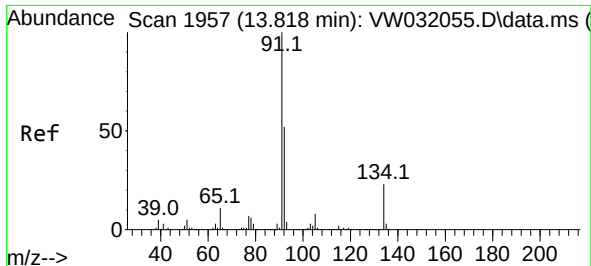
Ion Ratio Lower Upper

146 100

111 42.5 21.6 64.6

148 64.4 32.0 96.2

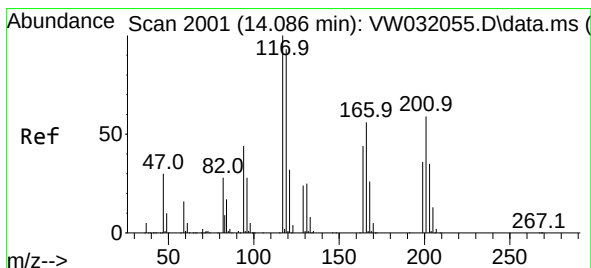
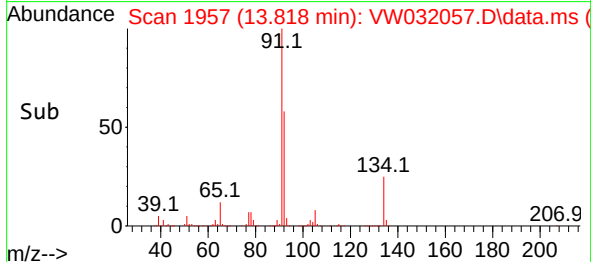
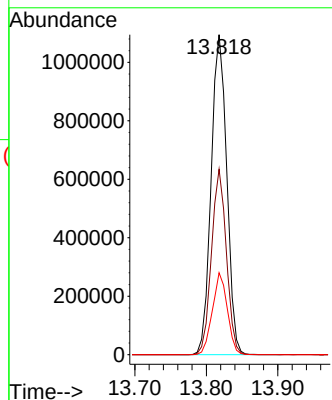
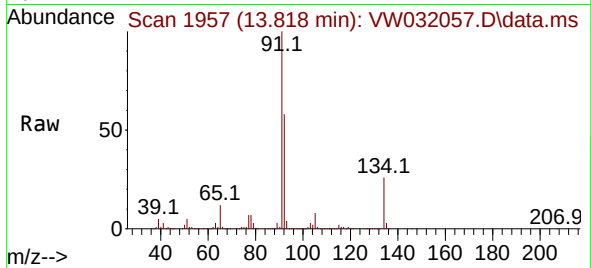




#89
n-Butylbenzene
Concen: 159.527 ug/l
RT: 13.818 min Scan# 1957
Delta R.T. -0.000 min
Lab File: VW032057.D
Acq: 11 Aug 2025 11:08

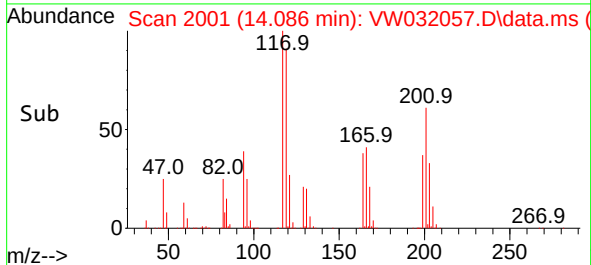
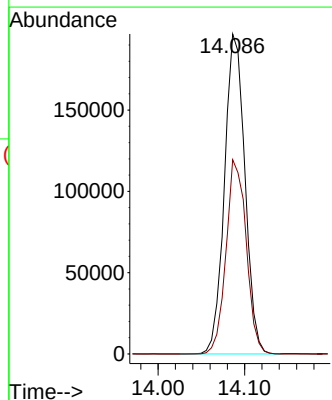
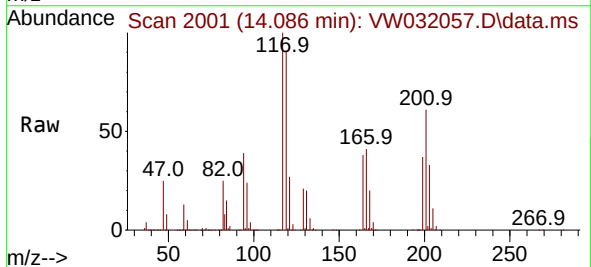
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

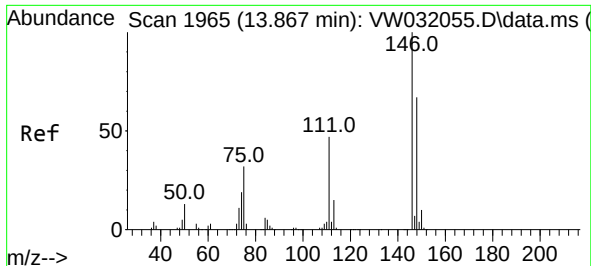
Tgt Ion: 91 Resp: 1657492
Ion Ratio Lower Upper
91 100
92 55.4 26.7 80.1
134 24.5 12.0 36.1



#90
Hexachloroethane
Concen: 164.868 ug/l
RT: 14.086 min Scan# 2001
Delta R.T. -0.000 min
Lab File: VW032057.D
Acq: 11 Aug 2025 11:08

Tgt Ion: 117 Resp: 322461
Ion Ratio Lower Upper
117 100
201 60.0 30.9 92.5

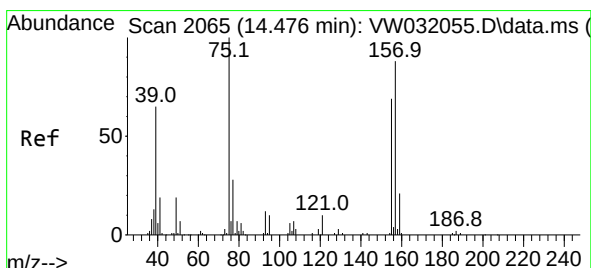
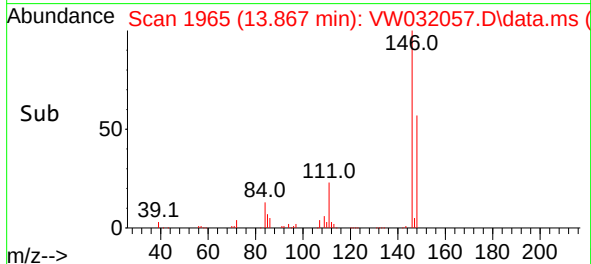
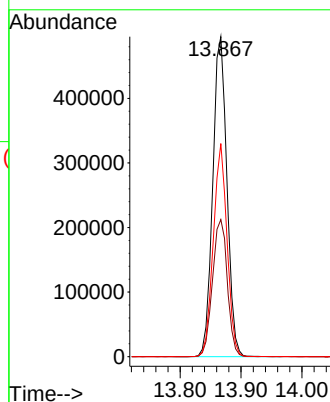
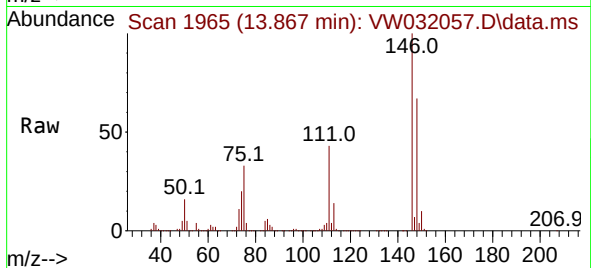




#91
1,2-Dichlorobenzene
Concen: 153.968 ug/l
RT: 13.867 min Scan# 1965
Delta R.T. -0.000 min
Lab File: VW032057.D
Acq: 11 Aug 2025 11:08

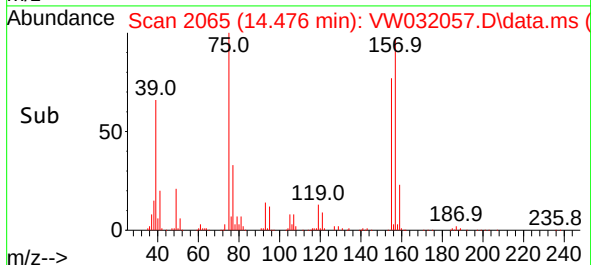
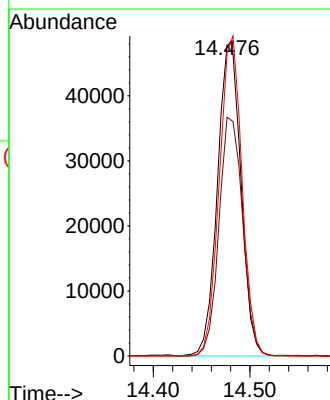
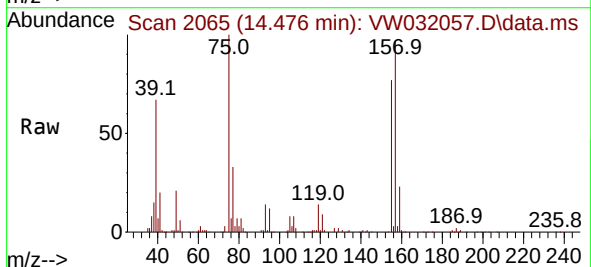
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

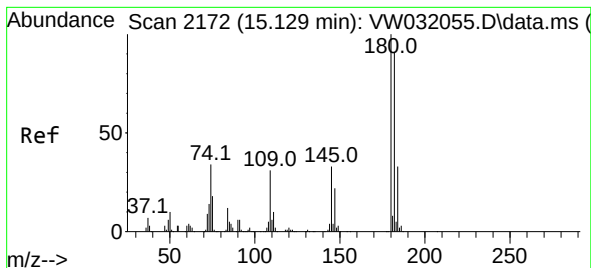
Tgt Ion:146 Resp: 798257
Ion Ratio Lower Upper
146 100
111 44.9 23.1 69.3
148 64.7 32.9 98.6



#92
1,2-Dibromo-3-Chloropropane
Concen: 159.472 ug/l
RT: 14.476 min Scan# 2065
Delta R.T. -0.000 min
Lab File: VW032057.D
Acq: 11 Aug 2025 11:08

Tgt Ion: 75 Resp: 81063
Ion Ratio Lower Upper
75 100
155 77.0 35.2 105.6
157 98.7 47.5 142.6





#93

1,2,4-Trichlorobenzene

Concen: 161.006 ug/l

RT: 15.123 min Scan# 2171

Delta R.T. -0.006 min

Lab File: VW032057.D

Acq: 11 Aug 2025 11:08

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

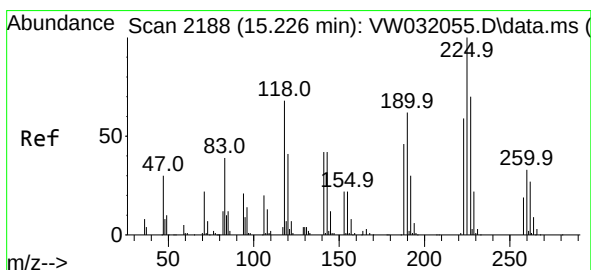
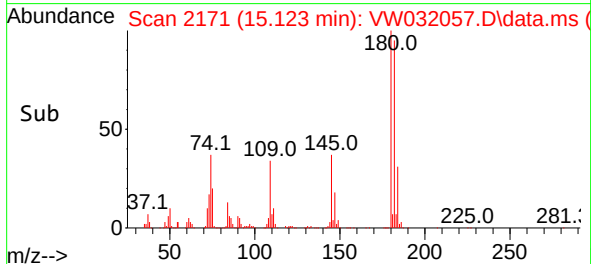
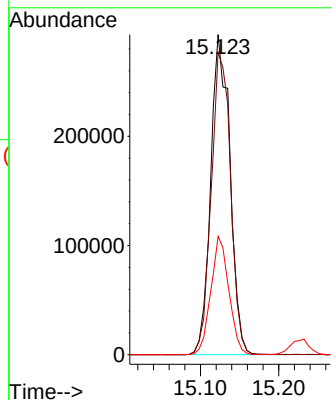
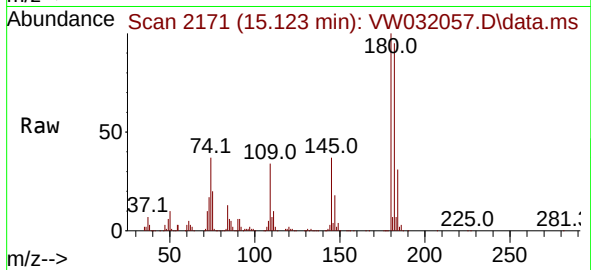
Tgt Ion:180 Resp: 499355

Ion Ratio Lower Upper

180 100

182 95.3 49.0 147.0

145 34.7 17.3 51.9



#94

Hexachlorobutadiene

Concen: 157.938 ug/l

RT: 15.226 min Scan# 2188

Delta R.T. -0.000 min

Lab File: VW032057.D

Acq: 11 Aug 2025 11:08

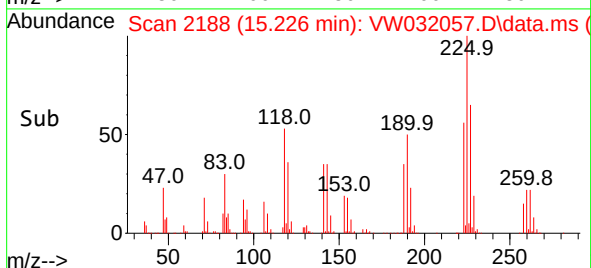
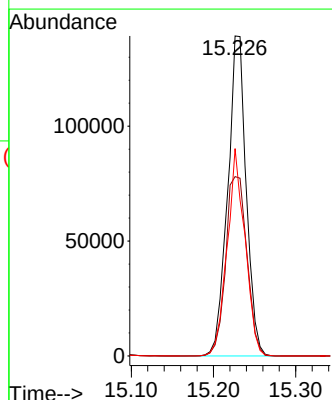
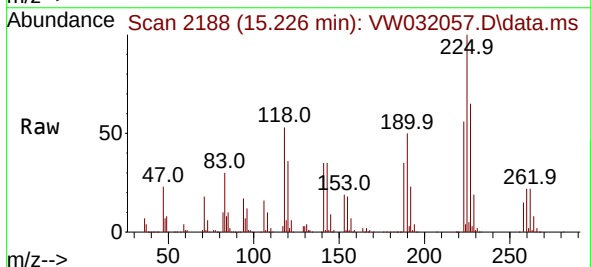
Tgt Ion:225 Resp: 218963

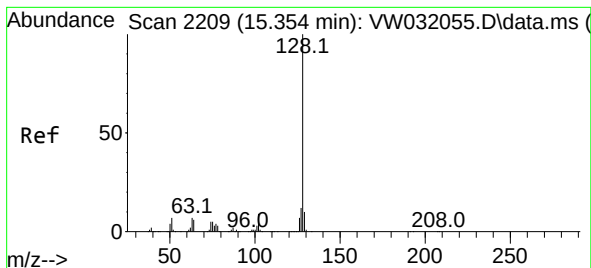
Ion Ratio Lower Upper

225 100

223 64.2 31.8 95.3

227 62.4 33.5 100.5





#95

Naphthalene

Concen: 177.424 ug/l

RT: 15.360 min Scan# 21

Delta R.T. 0.006 min

Lab File: VW032057.D

Acq: 11 Aug 2025 11:08

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

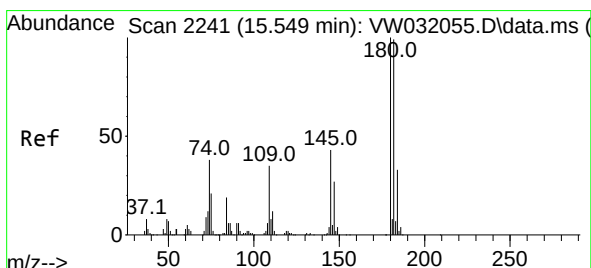
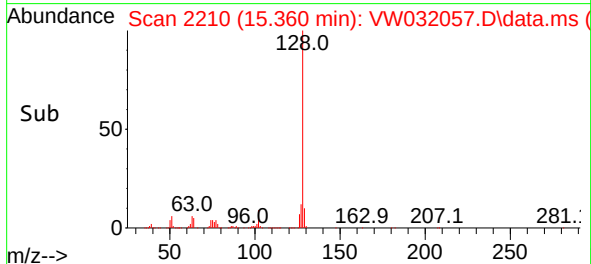
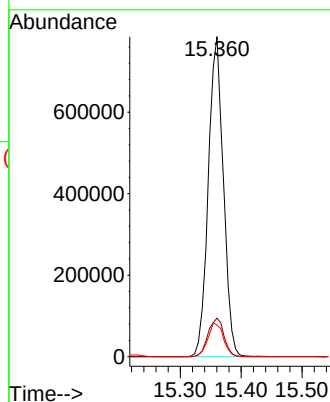
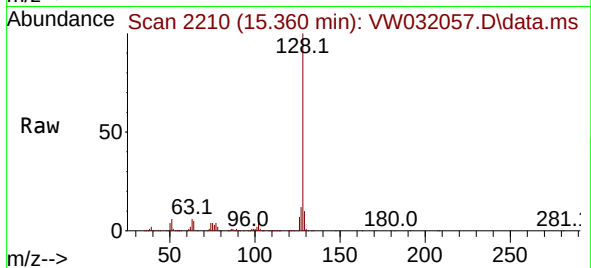
Tgt Ion:128 Resp: 1348344

Ion Ratio Lower Upper

128 100

127 12.8 10.5 15.7

129 10.8 8.2 12.4



#96

1,2,3-Trichlorobenzene

Concen: 165.423 ug/l

RT: 15.543 min Scan# 2240

Delta R.T. -0.006 min

Lab File: VW032057.D

Acq: 11 Aug 2025 11:08

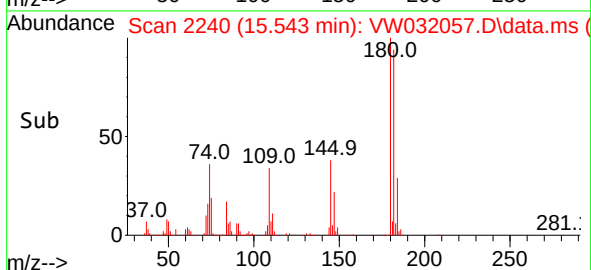
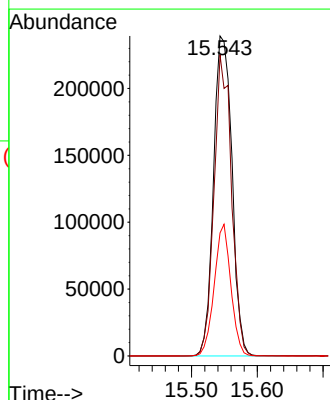
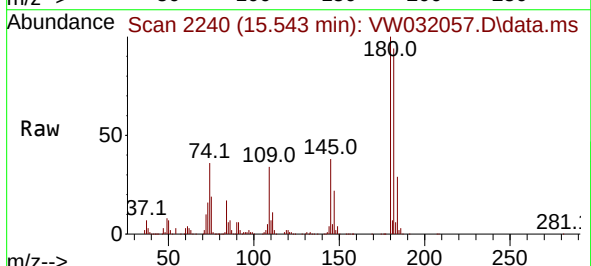
Tgt Ion:180 Resp: 466811

Ion Ratio Lower Upper

180 100

182 89.3 46.0 138.0

145 37.2 19.2 57.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081125\
 Data File : VW032059.D
 Acq On : 11 Aug 2025 11:51
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW081125

Quant Time: Aug 12 04:12:44 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 12 04:04:48 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.959	168	226453	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	420434	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	386856	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	182577	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	161155	49.205	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	98.420%
35) Dibromofluoromethane	7.898	113	135642	49.939	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	99.880%
50) Toluene-d8	10.325	98	499377	49.708	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	99.420%
62) 4-Bromofluorobenzene	12.617	95	190514	51.460	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	102.920%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.040	85	69757	43.069	ug/l	98
3) Chloromethane	2.253	50	103574	47.474	ug/l	100
4) Vinyl Chloride	2.405	62	124287	47.096	ug/l	95
5) Bromomethane	2.820	94	93451	47.201	ug/l	100
6) Chloroethane	2.966	64	83573	47.858	ug/l	97
7) Trichlorofluoromethane	3.308	101	108634	51.386	ug/l	91
8) Diethyl Ether	3.722	74	87261	50.380	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.100	101	118012	47.316	ug/l	99
10) Methyl Iodide	4.307	142	175903	49.742	ug/l	97
11) Tert butyl alcohol	5.210	59	57666	271.910	ug/l	99
12) 1,1-Dichloroethene	4.076	96	131802	47.992	ug/l	97
13) Acrolein	3.929	56	80072	236.960	ug/l	98
14) Allyl chloride	4.710	41	204222	51.094	ug/l	99
15) Acrylonitrile	5.405	53	219409	265.958	ug/l	99
16) Acetone	4.161	43	192802	254.262	ug/l	97
17) Carbon Disulfide	4.423	76	360982	48.970	ug/l	96
18) Methyl Acetate	4.716	43	126246	52.614	ug/l	99
19) Methyl tert-butyl Ether	5.466	73	263546	54.465	ug/l	100
20) Methylene Chloride	4.954	84	162865	46.453	ug/l	96
21) trans-1,2-Dichloroethene	5.466	96	145825	50.035	ug/l	98
22) Diisopropyl ether	6.338	45	438483	52.038	ug/l	97
23) Vinyl Acetate	6.283	43	1494873	270.210	ug/l	100
24) 1,1-Dichloroethane	6.246	63	265060	49.234	ug/l	98
25) 2-Butanone	7.191	43	293227	272.083	ug/l	96
26) 2,2-Dichloropropane	7.185	77	134123	49.659	ug/l	100
27) cis-1,2-Dichloroethene	7.185	96	175120	51.404	ug/l	98
28) Bromochloromethane	7.532	49	123268	50.315	ug/l	98
29) Tetrahydrofuran	7.551	42	194909	274.235	ug/l	100
30) Chloroform	7.691	83	284250	49.803	ug/l	98
31) Cyclohexane	7.971	56	217714	46.646	ug/l	98
32) 1,1,1-Trichloroethane	7.886	97	207733	50.108	ug/l	97
36) 1,1-Dichloropropene	8.093	75	189820	49.574	ug/l	100
37) Ethyl Acetate	7.270	43	124516	55.214	ug/l	99
38) Carbon Tetrachloride	8.081	117	184816	50.015	ug/l	98
39) Methylcyclohexane	9.343	83	243533	52.181	ug/l	98
40) Benzene	8.337	78	598350	50.272	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081125\
 Data File : VW032059.D
 Acq On : 11 Aug 2025 11:51
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW081125

Quant Time: Aug 12 04:12:44 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 12 04:04:48 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.502	41	70600	55.204	ug/l	97
42) 1,2-Dichloroethane	8.410	62	194825	51.154	ug/l	99
43) Isopropyl Acetate	8.435	43	227561	54.846	ug/l	99
44) Trichloroethene	9.099	130	139383	49.175	ug/l	99
45) 1,2-Dichloropropane	9.374	63	147807	51.403	ug/l	99
46) Dibromomethane	9.465	93	93713	50.497	ug/l	98
47) Bromodichloromethane	9.648	83	221409	51.775	ug/l	100
48) Methyl methacrylate	9.441	41	110265	55.048	ug/l	98
49) 1,4-Dioxane	9.459	88	27718	1155.151	ug/l #	83
51) 4-Methyl-2-Pentanone	10.215	43	645391	275.585	ug/l	100
52) Toluene	10.392	92	377919	50.410	ug/l	96
53) t-1,3-Dichloropropene	10.611	75	212772	53.108	ug/l	99
54) cis-1,3-Dichloropropene	10.075	75	238970	52.577	ug/l	98
55) 1,1,2-Trichloroethane	10.788	97	127536	51.716	ug/l	97
56) Ethyl methacrylate	10.648	69	186039	56.374	ug/l	99
57) 1,3-Dichloropropane	10.934	76	220027	51.186	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.928	63	498131	272.893	ug/l	99
59) 2-Hexanone	10.971	43	457083	281.817	ug/l	100
60) Dibromochloromethane	11.129	129	147264	52.276	ug/l	100
61) 1,2-Dibromoethane	11.239	107	126064	52.603	ug/l	100
64) Tetrachloroethene	10.861	164	114507	51.245	ug/l	95
65) Chlorobenzene	11.660	112	416485	49.461	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.733	131	132212	50.324	ug/l	98
67) Ethyl Benzene	11.727	91	716757	50.253	ug/l	100
68) m/p-Xylenes	11.837	106	559216	101.607	ug/l	99
69) o-Xylene	12.160	106	261548	51.416	ug/l	98
70) Styrene	12.178	104	468335	51.833	ug/l	99
71) Bromoform	12.349	173	82571	54.945	ug/l #	98
73) Isopropylbenzene	12.458	105	670779	52.571	ug/l	99
74) N-amyl acetate	12.269	43	203837	55.682	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.714	83	159092	52.514	ug/l	99
76) 1,2,3-Trichloropropane	12.763	75	201159	81.178	ug/l	58
77) Bromobenzene	12.745	156	152028	49.886	ug/l	94
78) n-propylbenzene	12.800	91	803474	51.148	ug/l	99
79) 2-Chlorotoluene	12.885	91	495562	51.114	ug/l	99
80) 1,3,5-Trimethylbenzene	12.940	105	566437	52.291	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.507	75	51275	53.570	ug/l	97
82) 4-Chlorotoluene	12.989	91	518248	50.312	ug/l	99
83) tert-Butylbenzene	13.202	119	483459	53.777	ug/l	97
84) 1,2,4-Trimethylbenzene	13.245	105	587831	53.308	ug/l	99
85) sec-Butylbenzene	13.379	105	687367	50.571	ug/l	100
86) p-Isopropyltoluene	13.495	119	584473	51.580	ug/l	99
87) 1,3-Dichlorobenzene	13.495	146	305044	50.304	ug/l	95
88) 1,4-Dichlorobenzene	13.574	146	306047	49.942	ug/l	97
89) n-Butylbenzene	13.818	91	571978	51.958	ug/l	98
90) Hexachloroethane	14.092	117	104295	50.329	ug/l	95
91) 1,2-Dichlorobenzene	13.867	146	279745	50.926	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.482	75	29014	53.872	ug/l	98
93) 1,2,4-Trichlorobenzene	15.123	180	173386	52.764	ug/l	90
94) Hexachlorobutadiene	15.226	225	75299	51.262	ug/l	92
95) Naphthalene	15.360	128	438139	54.415	ug/l	99
96) 1,2,3-Trichlorobenzene	15.549	180	162431	54.327	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081125\
Data File : VW032059.D
Acq On : 11 Aug 2025 11:51
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ICVWVW081125

Quant Time: Aug 12 04:12:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 12 04:04:48 2025
Response via : Initial Calibration

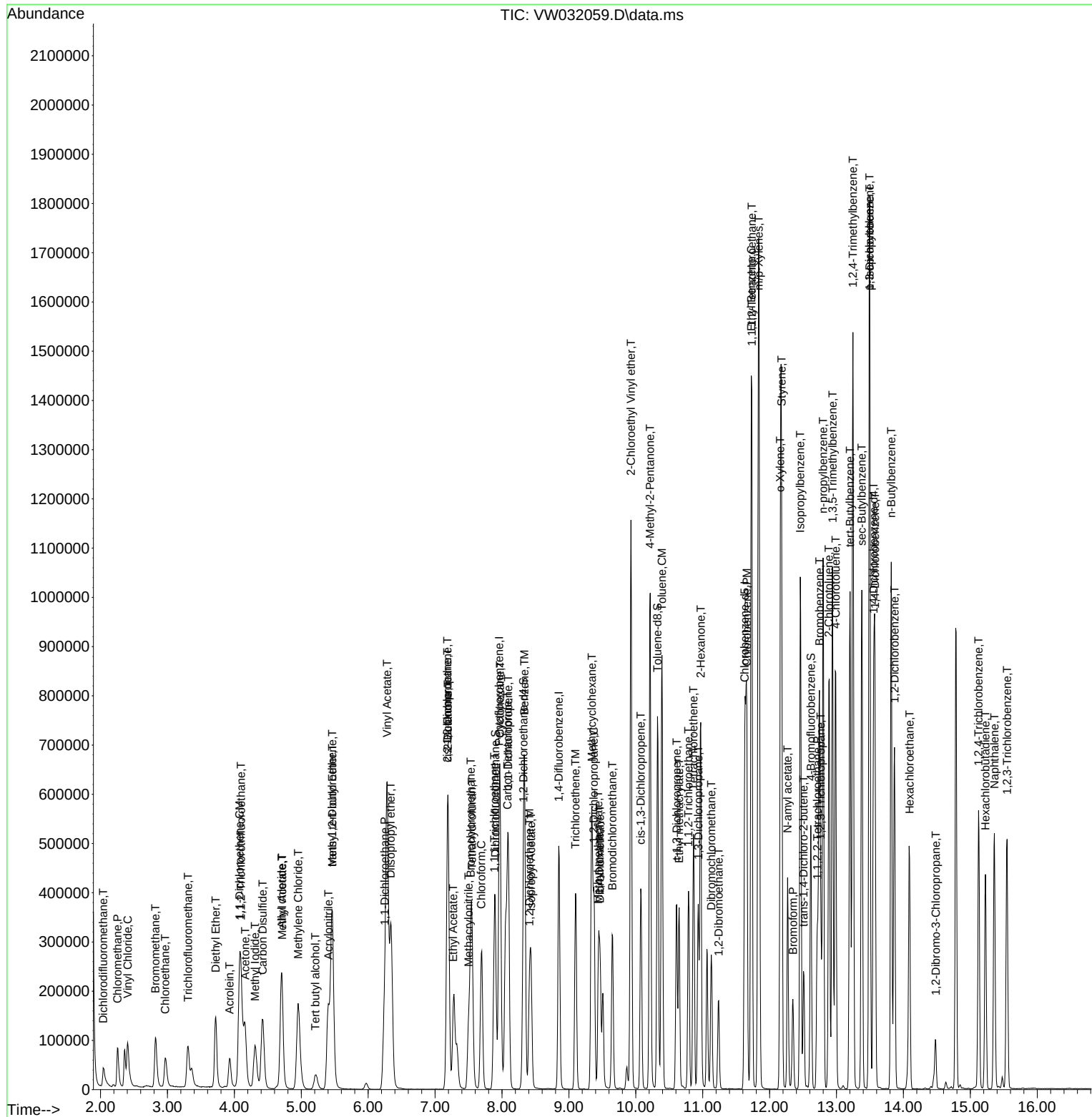
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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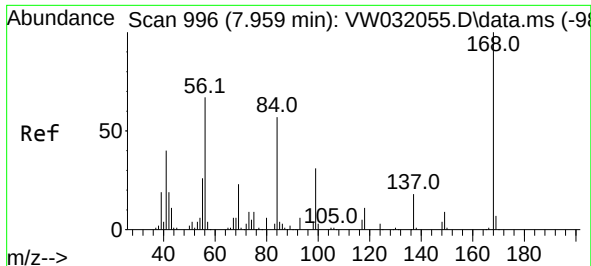
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081125\
Data File : VW032059.D
Acq On : 11 Aug 2025 11:51
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ICVVW081125

Quant Time: Aug 12 04:12:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 12 04:04:48 2025
Response via : Initial Calibration

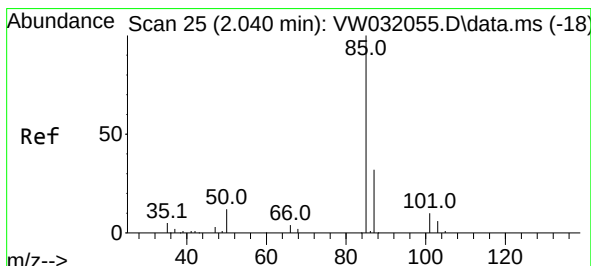
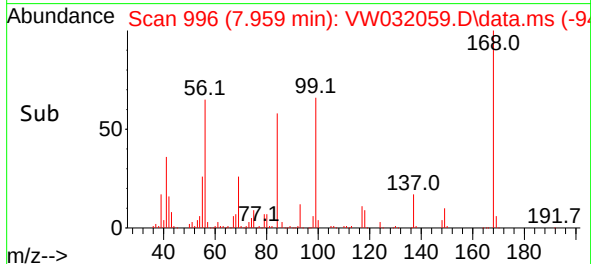
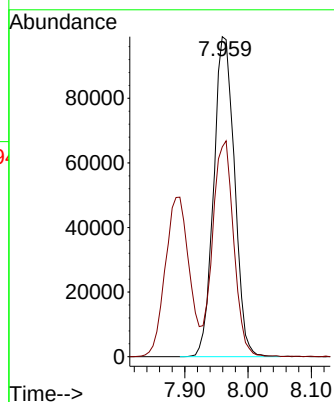
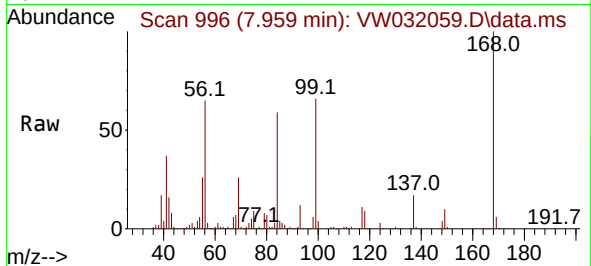




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 996
Delta R.T. 0.000 min
Lab File: VW032059.D
Acq: 11 Aug 2025 11:51

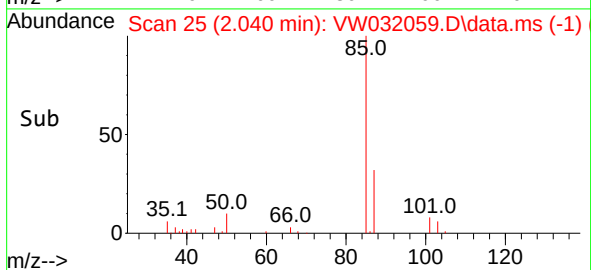
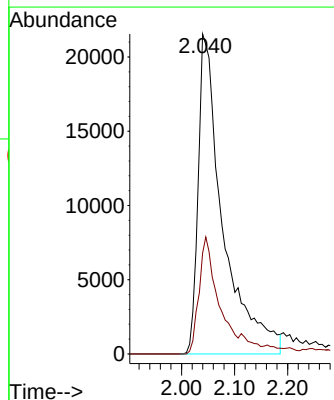
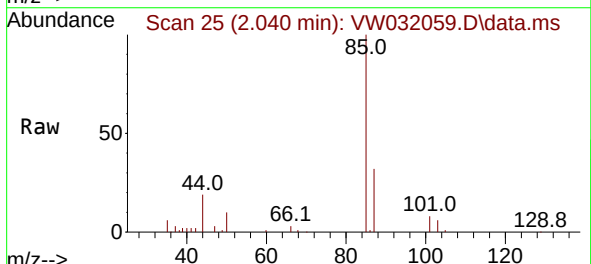
Instrument :
MSVOA_W
ClientSampleId :
ICVW081125

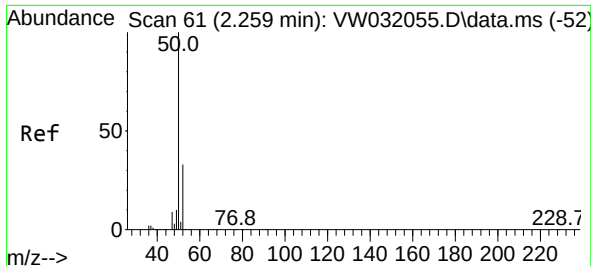
Tgt Ion:168 Resp: 226453
Ion Ratio Lower Upper
168 100
99 65.5 56.0 84.0



#2
Dichlorodifluoromethane
Concen: 43.069 ug/l
RT: 2.040 min Scan# 25
Delta R.T. -0.000 min
Lab File: VW032059.D
Acq: 11 Aug 2025 11:51

Tgt Ion: 85 Resp: 69757
Ion Ratio Lower Upper
85 100
87 31.5 16.2 48.6

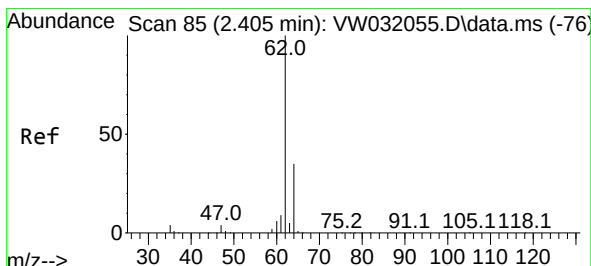
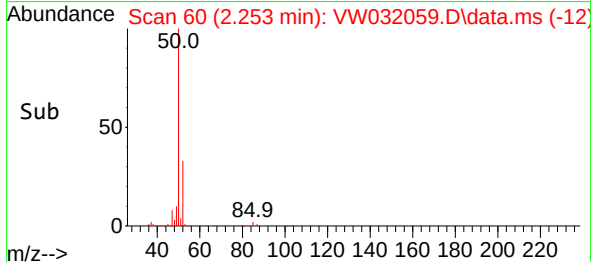
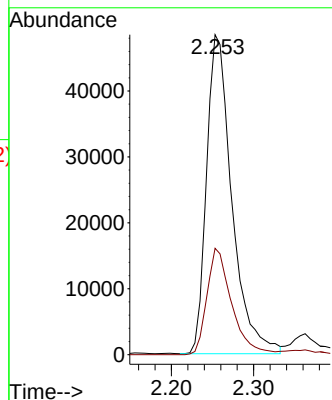
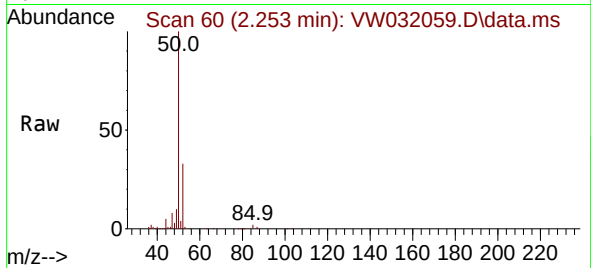




#3
Chloromethane
Concen: 47.474 ug/l
RT: 2.253 min Scan# 60
Delta R.T. -0.006 min
Lab File: VW032059.D
Acq: 11 Aug 2025 11:51

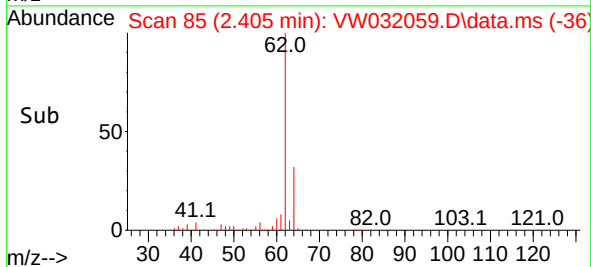
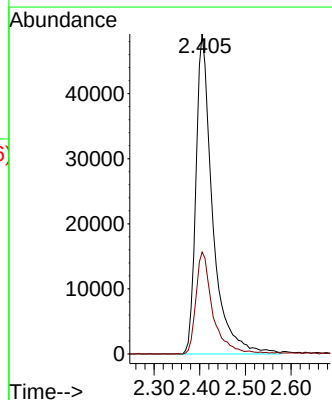
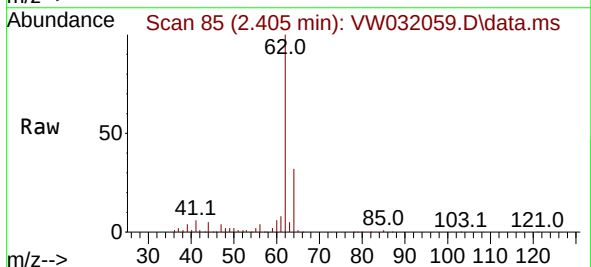
Instrument :
MSVOA_W
ClientSampleId :
ICVW081125

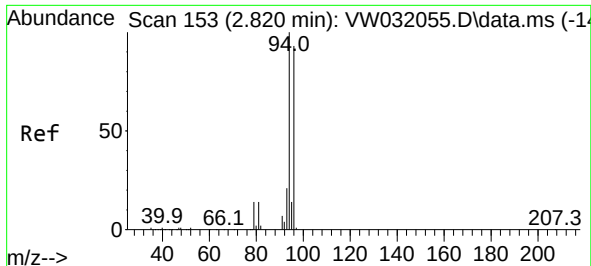
Tgt Ion: 50 Resp: 103574
Ion Ratio Lower Upper
50 100
52 33.3 26.6 39.8



#4
Vinyl Chloride
Concen: 47.096 ug/l
RT: 2.405 min Scan# 85
Delta R.T. -0.000 min
Lab File: VW032059.D
Acq: 11 Aug 2025 11:51

Tgt Ion: 62 Resp: 124287
Ion Ratio Lower Upper
62 100
64 31.9 27.8 41.6

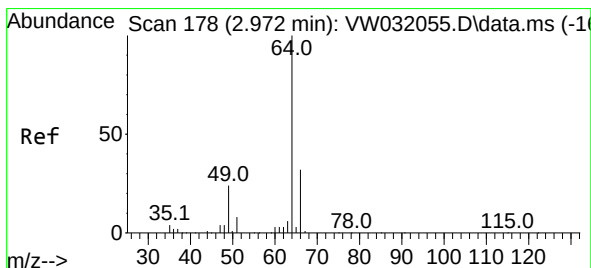
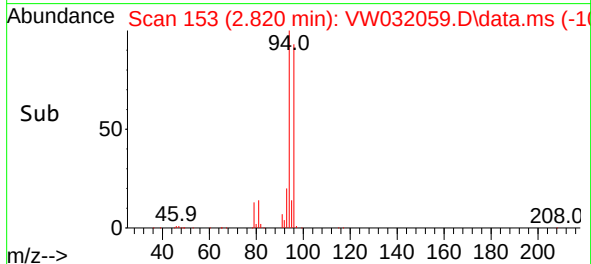
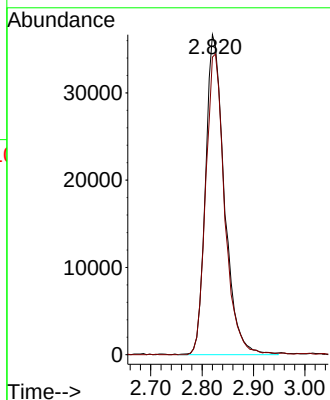
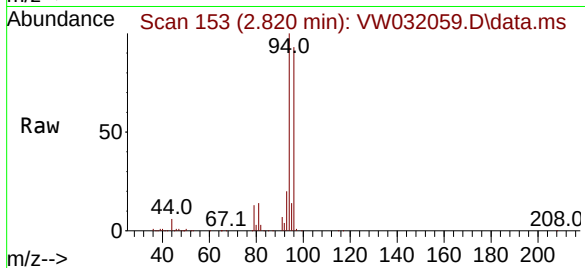




#5
Bromomethane
Concen: 47.201 ug/l
RT: 2.820 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW032059.D
Acq: 11 Aug 2025 11:51

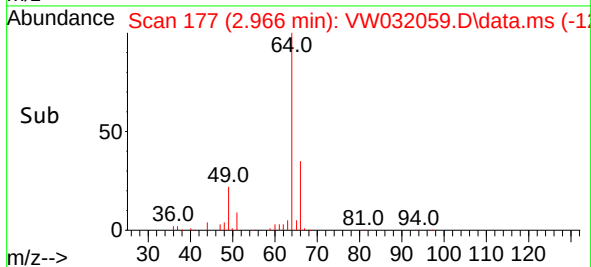
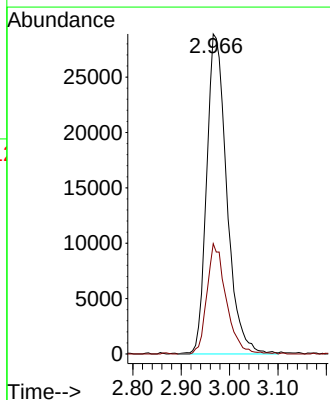
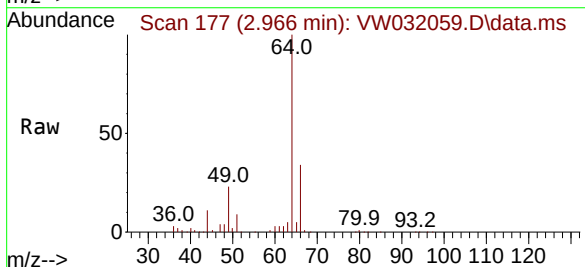
Instrument :
MSVOA_W
ClientSampleId :
ICVW081125

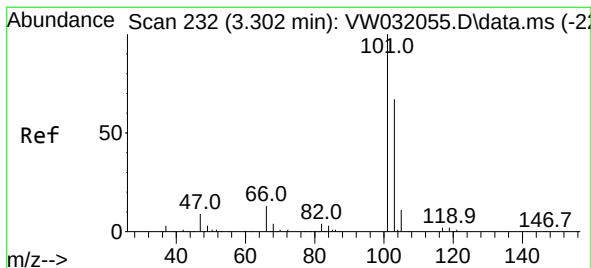
Tgt Ion: 94 Resp: 93451
Ion Ratio Lower Upper
94 100
96 93.0 74.7 112.1



#6
Chloroethane
Concen: 47.858 ug/l
RT: 2.966 min Scan# 177
Delta R.T. -0.006 min
Lab File: VW032059.D
Acq: 11 Aug 2025 11:51

Tgt Ion: 64 Resp: 83573
Ion Ratio Lower Upper
64 100
66 34.4 26.0 39.0





#7

Trichlorofluoromethane

Concen: 51.386 ug/l

RT: 3.308 min Scan# 21

Delta R.T. 0.006 min

Lab File: VW032059.D

Acq: 11 Aug 2025 11:51

Instrument :

MSVOA_W

ClientSampleId :

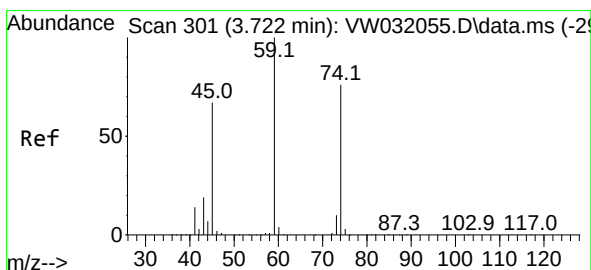
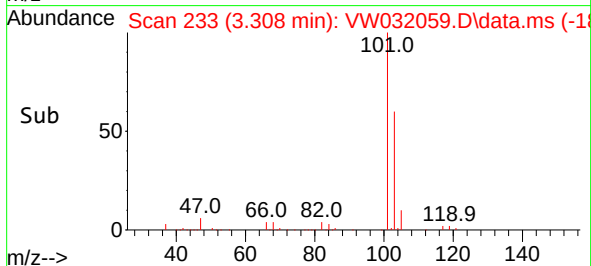
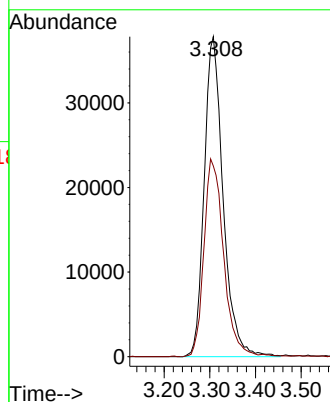
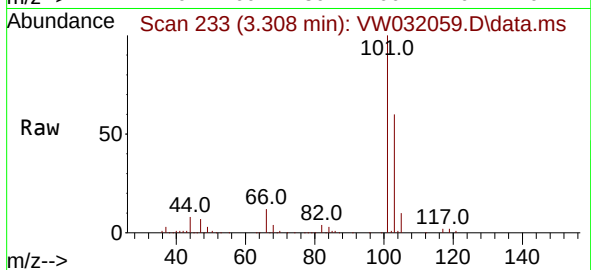
ICVW081125

Tgt Ion:101 Resp: 108634

Ion Ratio Lower Upper

101 100

103 59.6 53.4 80.0



#8

Diethyl Ether

Concen: 50.380 ug/l

RT: 3.722 min Scan# 301

Delta R.T. -0.000 min

Lab File: VW032059.D

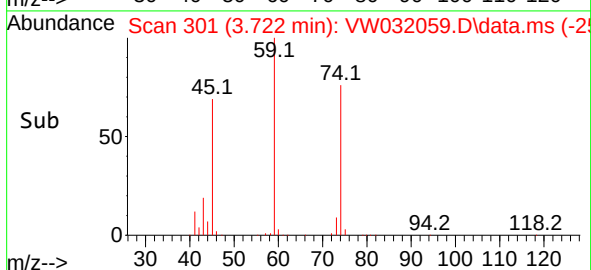
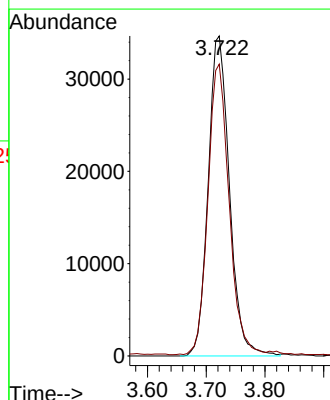
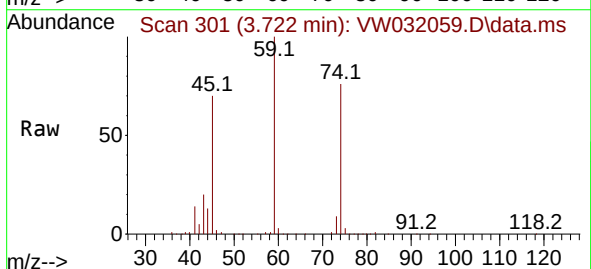
Acq: 11 Aug 2025 11:51

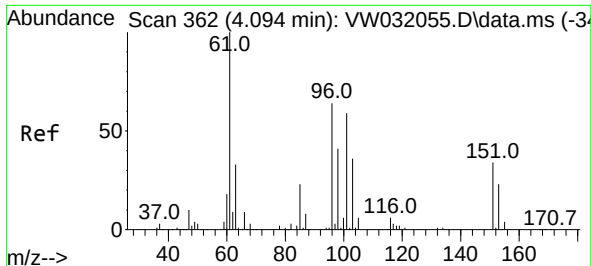
Tgt Ion: 74 Resp: 87261

Ion Ratio Lower Upper

74 100

45 90.2 45.4 136.2

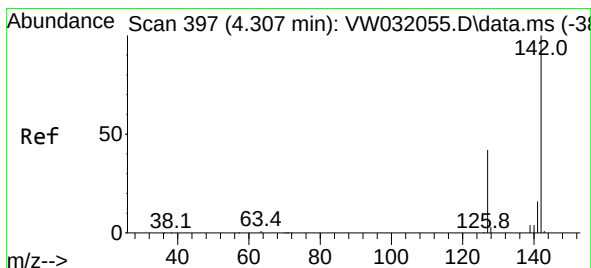
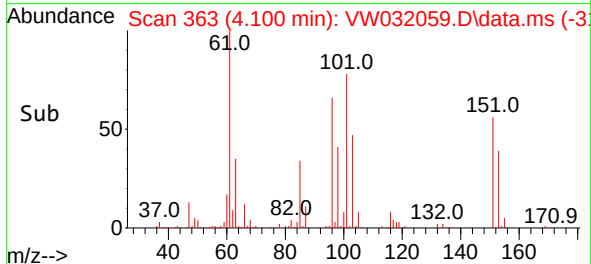
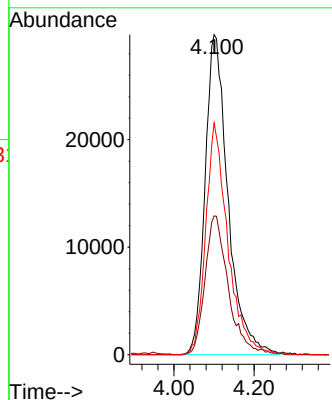
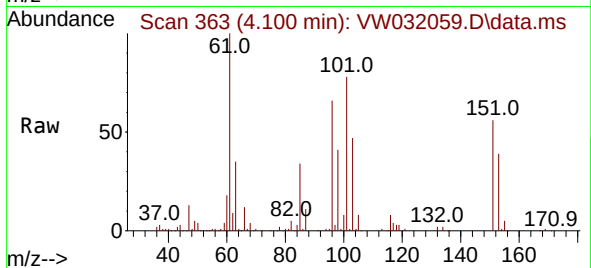




#9
1,1,2-Trichlorotrifluoroethane
Concen: 47.316 ug/l
RT: 4.100 min Scan# 363
Delta R.T. 0.006 min
Lab File: VW032059.D
Acq: 11 Aug 2025 11:51

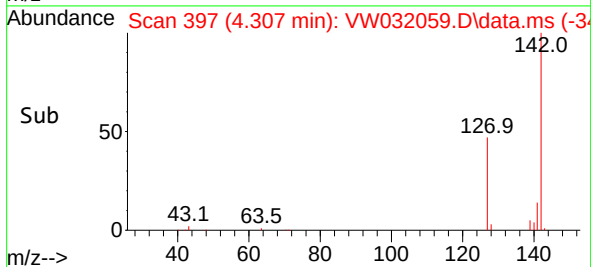
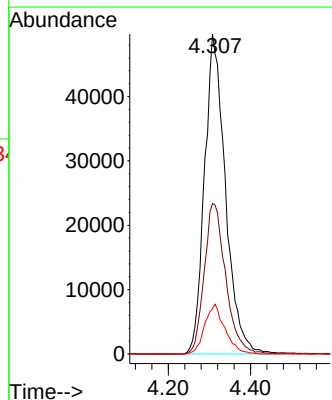
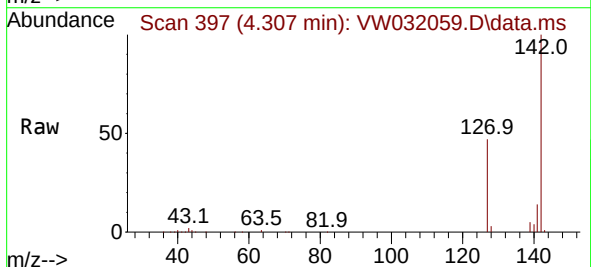
Instrument :
MSVOA_W
ClientSampleId :
ICVW081125

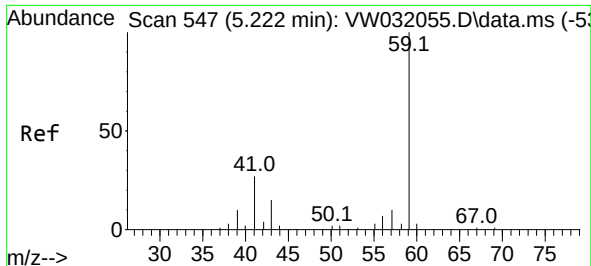
Tgt Ion:101 Resp: 118012
Ion Ratio Lower Upper
101 100
85 44.3 34.9 52.3
151 69.9 56.2 84.4



#10
Methyl Iodide
Concen: 49.742 ug/l
RT: 4.307 min Scan# 397
Delta R.T. -0.000 min
Lab File: VW032059.D
Acq: 11 Aug 2025 11:51

Tgt Ion:142 Resp: 175903
Ion Ratio Lower Upper
142 100
127 48.1 36.6 55.0
141 14.9 12.1 18.1

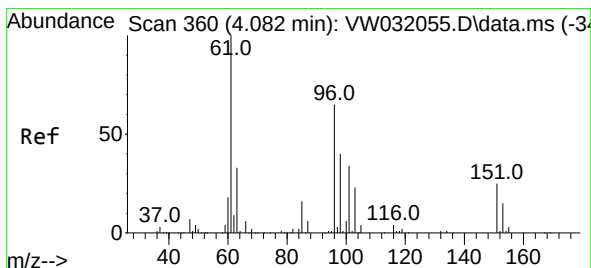
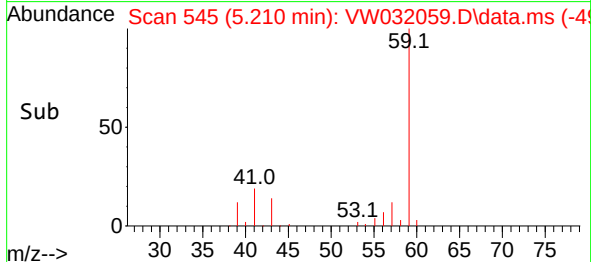
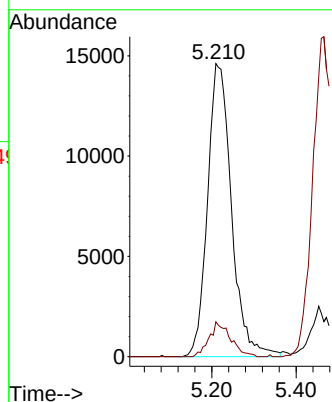
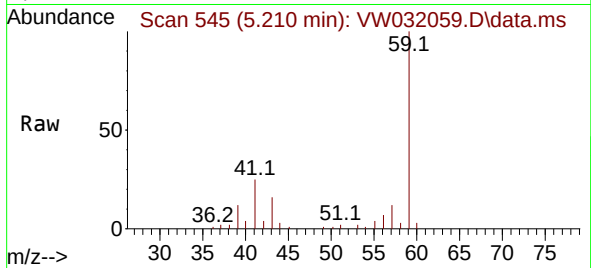




#11
Tert butyl alcohol
Concen: 271.910 ug/l
RT: 5.210 min Scan# 54
Delta R.T. -0.012 min
Lab File: VW032059.D
Acq: 11 Aug 2025 11:51

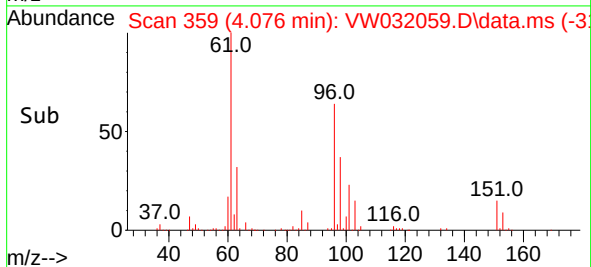
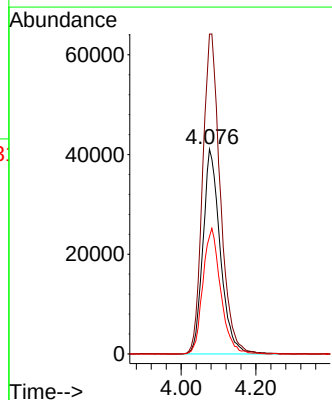
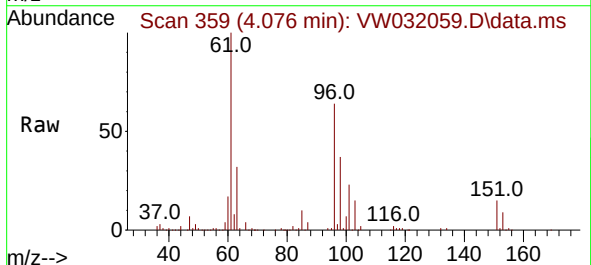
Instrument :
MSVOA_W
ClientSampleId :
ICVW081125

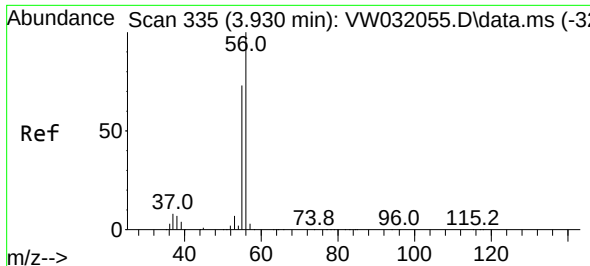
Tgt Ion: 59 Resp: 57666
Ion Ratio Lower Upper
59 100
57 10.6 8.7 13.1



#12
1,1-Dichloroethene
Concen: 47.992 ug/l
RT: 4.076 min Scan# 359
Delta R.T. -0.006 min
Lab File: VW032059.D
Acq: 11 Aug 2025 11:51

Tgt Ion: 96 Resp: 131802
Ion Ratio Lower Upper
96 100
61 156.3 123.4 185.2
98 57.4 49.5 74.3

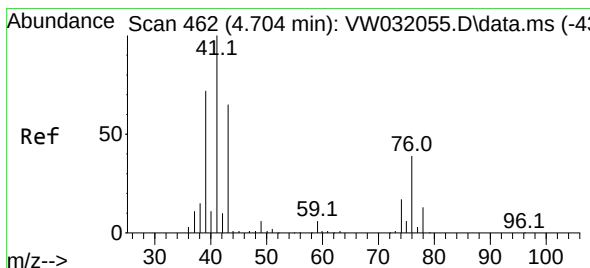
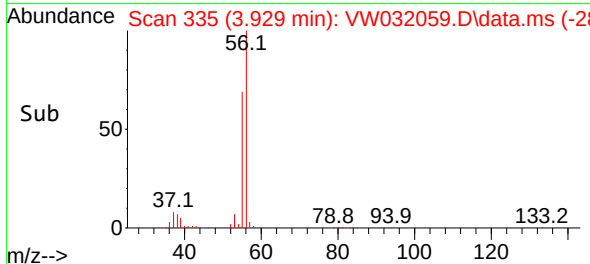
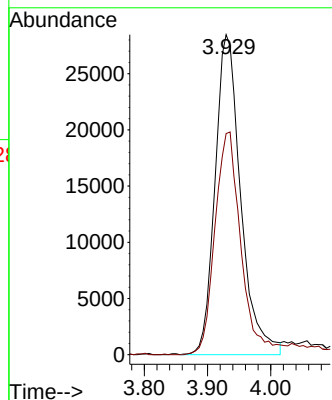
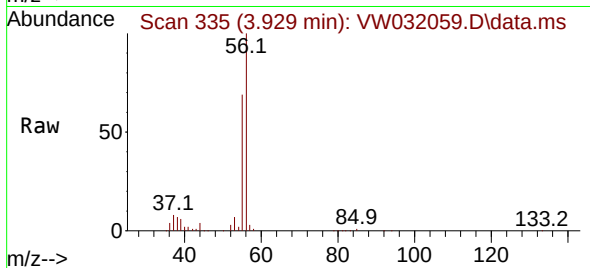




#13
Acrolein
Concen: 236.960 ug/l
RT: 3.929 min Scan# 31
Delta R.T. -0.000 min
Lab File: VW032059.D
Acq: 11 Aug 2025 11:51

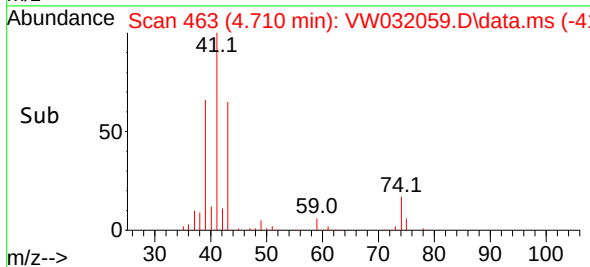
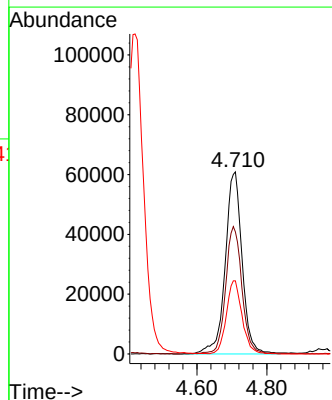
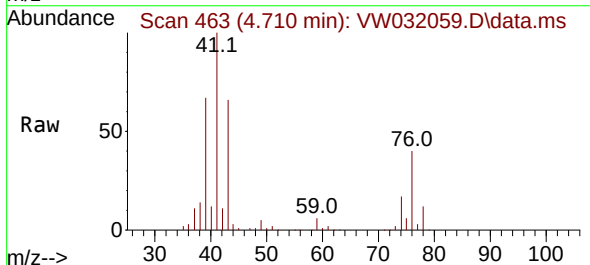
Instrument :
MSVOA_W
ClientSampleId :
ICVW081125

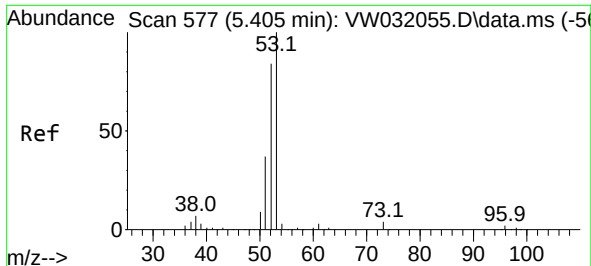
Tgt Ion: 56 Resp: 80072
Ion Ratio Lower Upper
56 100
55 71.1 55.4 83.2



#14
Allyl chloride
Concen: 51.094 ug/l
RT: 4.710 min Scan# 463
Delta R.T. 0.006 min
Lab File: VW032059.D
Acq: 11 Aug 2025 11:51

Tgt Ion: 41 Resp: 204222
Ion Ratio Lower Upper
41 100
39 66.9 54.5 81.7
76 37.4 29.3 43.9

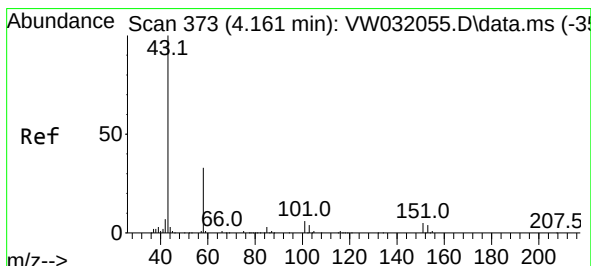
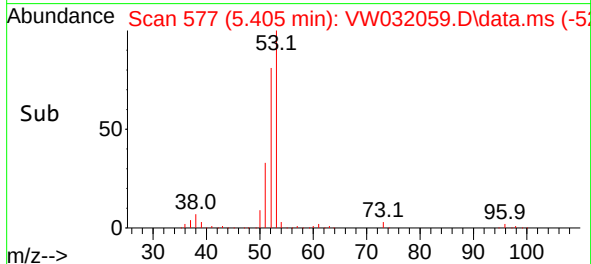
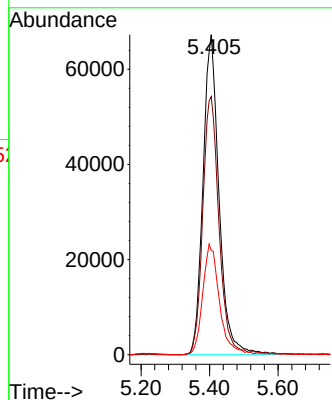
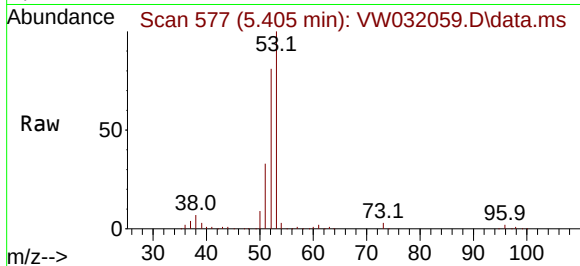




#15
Acrylonitrile
Concen: 265.958 ug/l
RT: 5.405 min Scan# 51
Delta R.T. -0.000 min
Lab File: VW032059.D
Acq: 11 Aug 2025 11:51

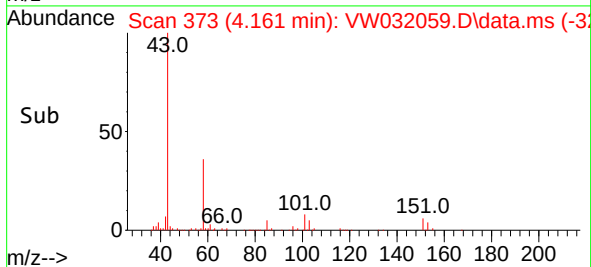
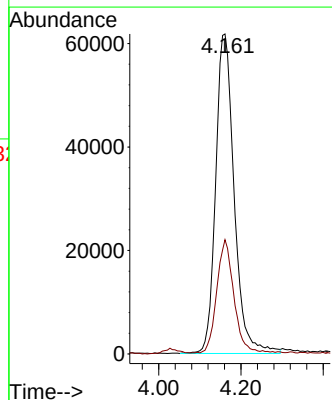
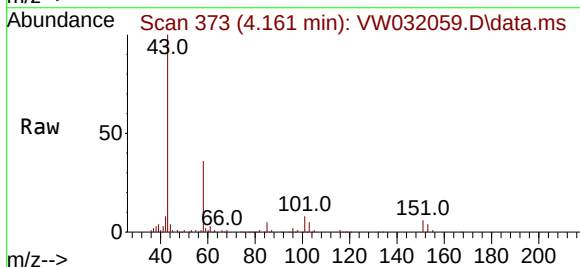
Instrument :
MSVOA_W
ClientSampleId :
ICVW081125

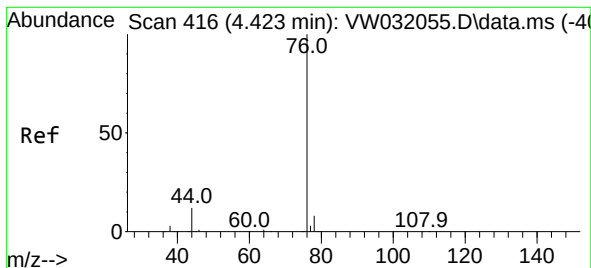
Tgt Ion: 53 Resp: 219409
Ion Ratio Lower Upper
53 100
52 81.2 66.1 99.1
51 36.0 29.2 43.8



#16
Acetone
Concen: 254.262 ug/l
RT: 4.161 min Scan# 373
Delta R.T. -0.000 min
Lab File: VW032059.D
Acq: 11 Aug 2025 11:51

Tgt Ion: 43 Resp: 192802
Ion Ratio Lower Upper
43 100
58 35.1 26.6 39.8





#17

Carbon Disulfide

Concen: 48.970 ug/l

RT: 4.423 min Scan# 416

Delta R.T. -0.000 min

Lab File: VW032059.D

Acq: 11 Aug 2025 11:51

Instrument :

MSVOA_W

ClientSampleId :

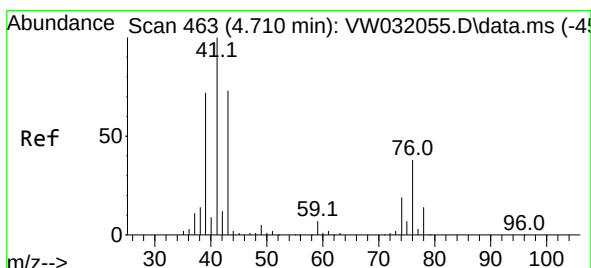
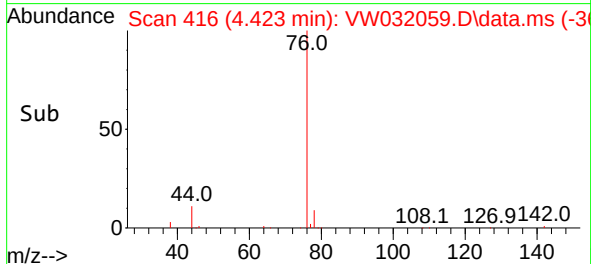
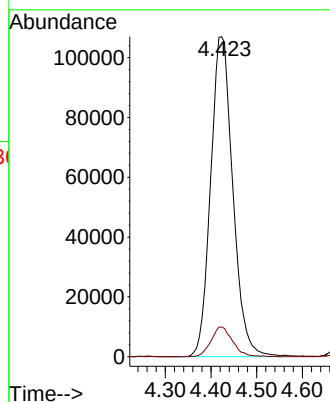
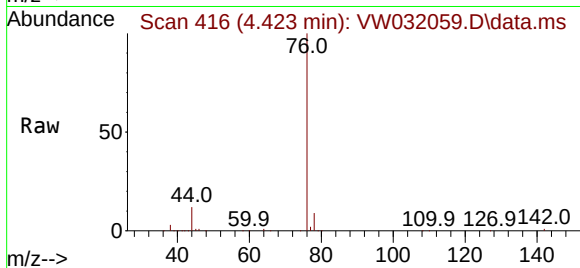
ICVW081125

Tgt Ion: 76 Resp: 360982

Ion Ratio Lower Upper

76 100

78 9.3 6.4 9.6



#18

Methyl Acetate

Concen: 52.614 ug/l

RT: 4.716 min Scan# 464

Delta R.T. 0.006 min

Lab File: VW032059.D

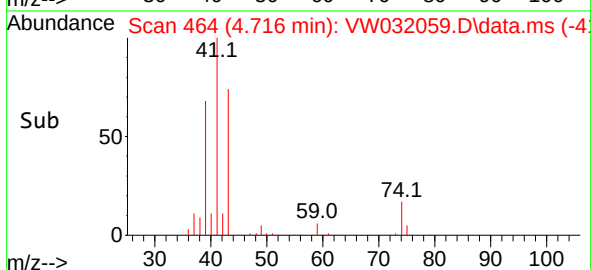
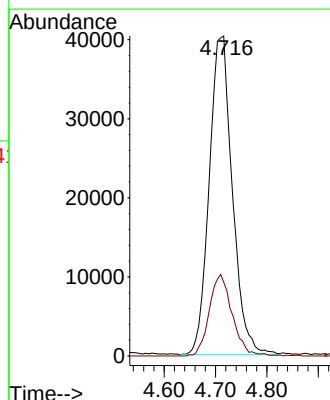
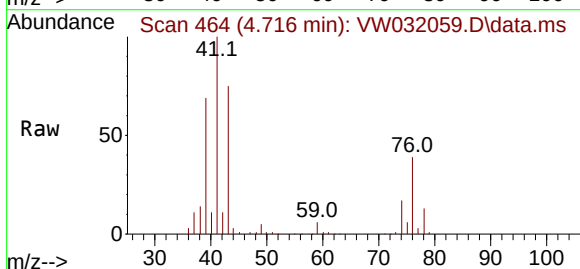
Acq: 11 Aug 2025 11:51

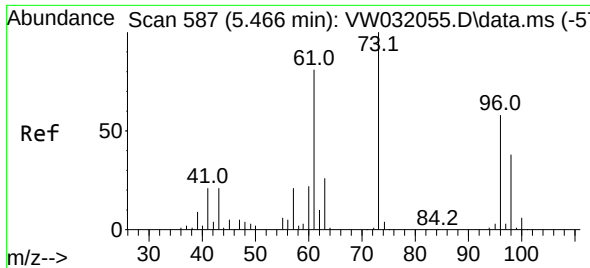
Tgt Ion: 43 Resp: 126246

Ion Ratio Lower Upper

43 100

74 25.3 20.6 31.0

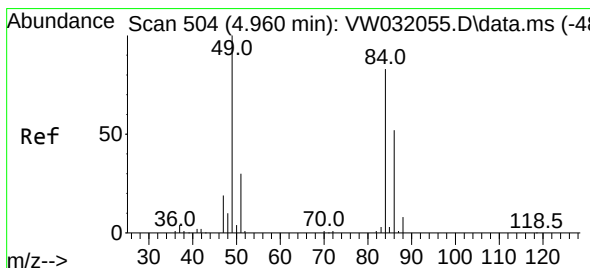
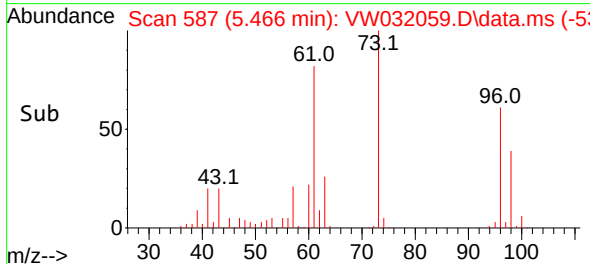
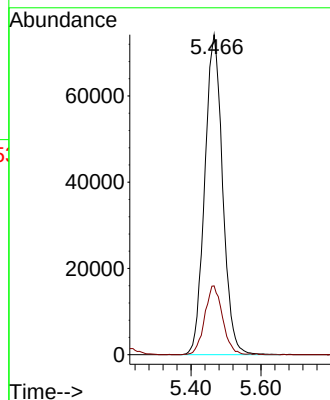
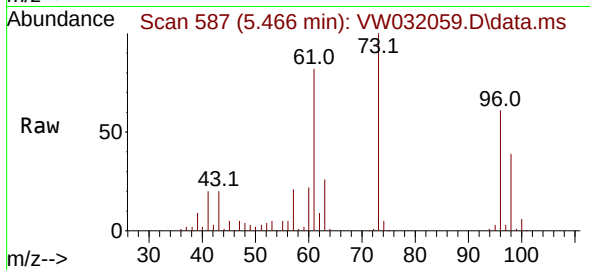




#19
Methyl tert-butyl Ether
Concen: 54.465 ug/l
RT: 5.466 min Scan# 51
Delta R.T. -0.000 min
Lab File: VW032059.D
Acq: 11 Aug 2025 11:51

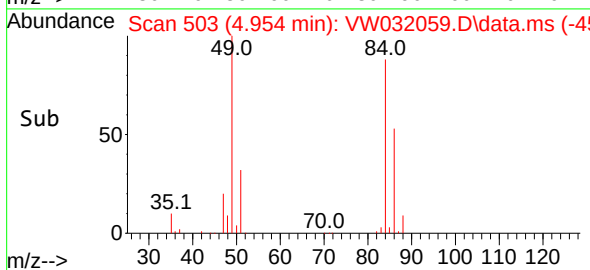
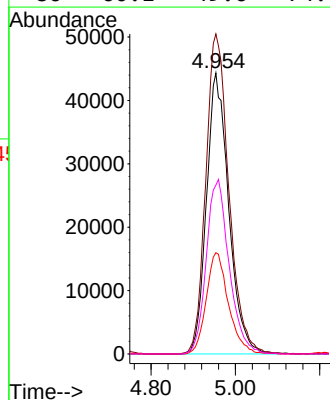
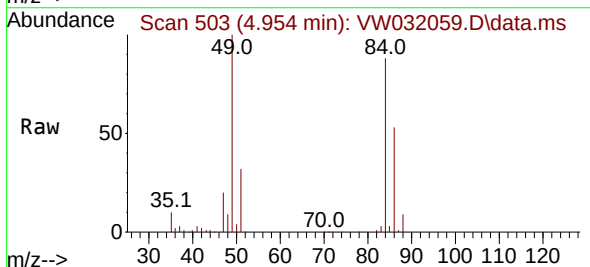
Instrument :
MSVOA_W
ClientSampleId :
ICVW081125

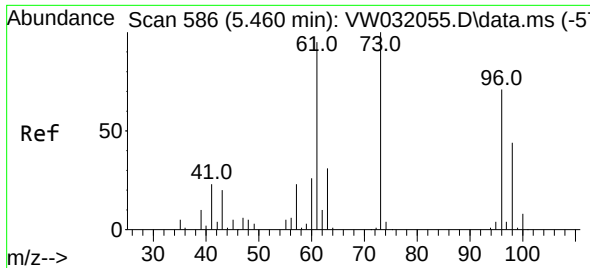
Tgt Ion: 73 Resp: 263546
Ion Ratio Lower Upper
73 100
57 21.5 17.2 25.8



#20
Methylene Chloride
Concen: 46.453 ug/l
RT: 4.954 min Scan# 503
Delta R.T. -0.006 min
Lab File: VW032059.D
Acq: 11 Aug 2025 11:51

Tgt Ion: 84 Resp: 162865
Ion Ratio Lower Upper
84 100
49 113.9 95.9 143.9
51 36.1 28.6 43.0
86 60.1 49.6 74.4

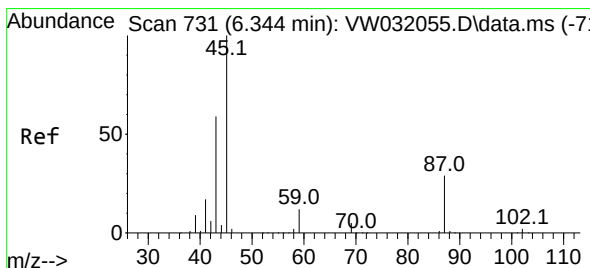
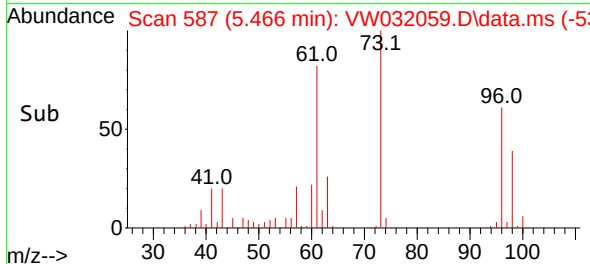
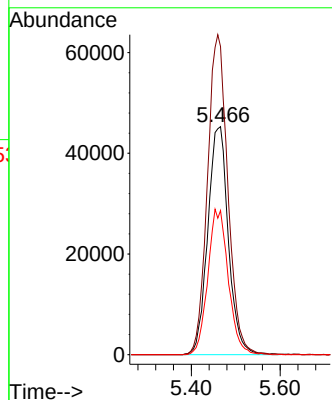
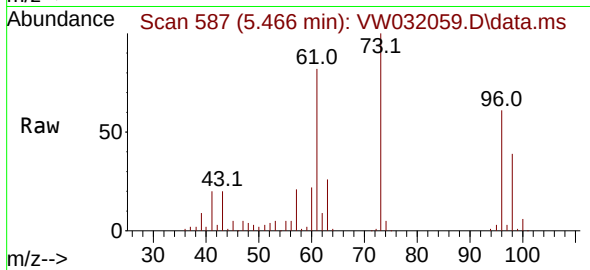




#21
trans-1,2-Dichloroethene
Concen: 50.035 ug/l
RT: 5.466 min Scan# 51
Delta R.T. 0.006 min
Lab File: VW032059.D
Acq: 11 Aug 2025 11:51

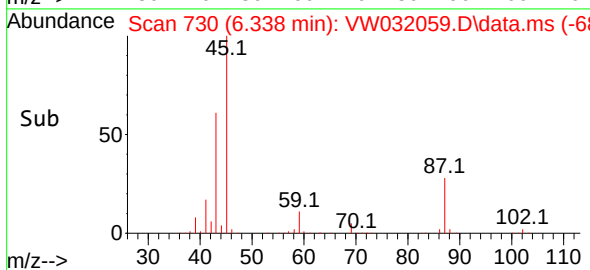
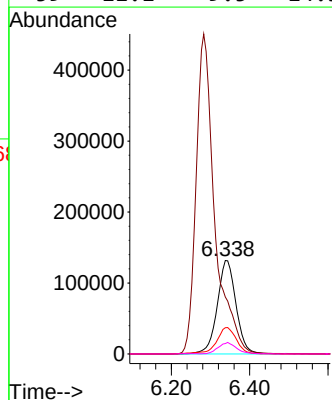
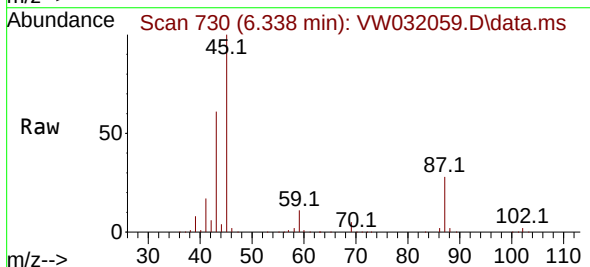
Instrument :
MSVOA_W
ClientSampleId :
ICVW081125

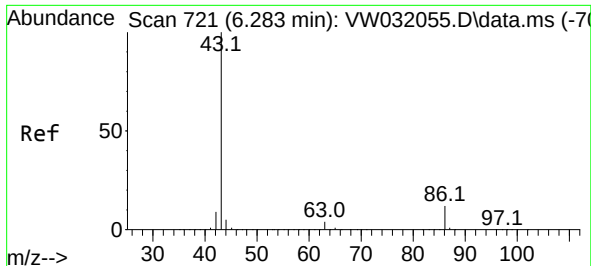
Tgt Ion: 96 Resp: 145825
Ion Ratio Lower Upper
96 100
61 135.2 106.8 160.2
98 63.3 49.6 74.4



#22
Diisopropyl ether
Concen: 52.038 ug/l
RT: 6.338 min Scan# 730
Delta R.T. -0.006 min
Lab File: VW032059.D
Acq: 11 Aug 2025 11:51

Tgt Ion: 45 Resp: 438483
Ion Ratio Lower Upper
45 100
43 60.4 47.0 70.4
87 28.0 23.8 35.8
59 11.1 9.5 14.3

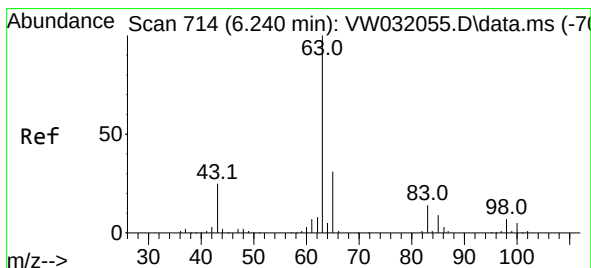
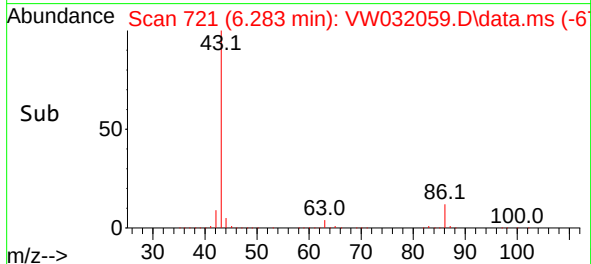
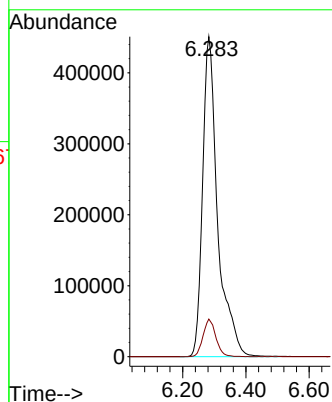
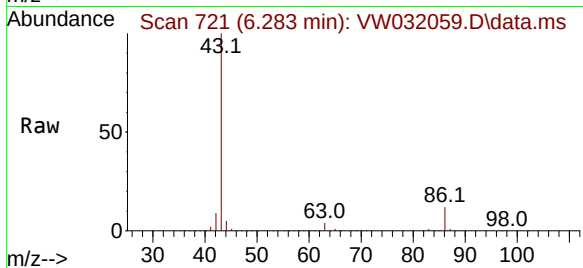




#23
 Vinyl Acetate
 Concen: 270.210 ug/l
 RT: 6.283 min Scan# 715
 Delta R.T. -0.000 min
 Lab File: VW032059.D
 Acq: 11 Aug 2025 11:51

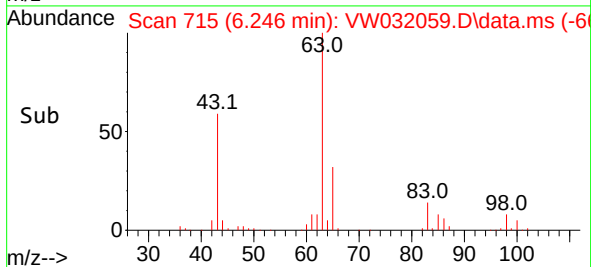
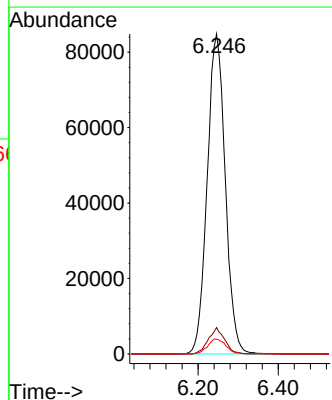
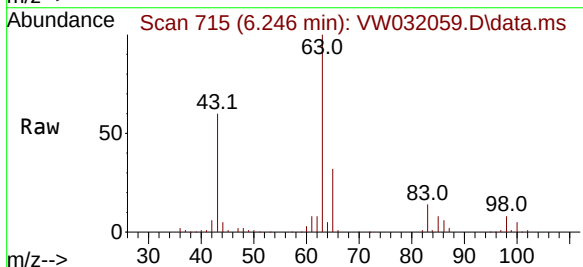
Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW081125

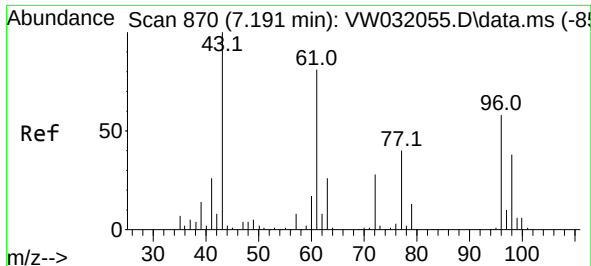
Tgt Ion: 43 Resp: 1494873
 Ion Ratio Lower Upper
 43 100
 86 11.7 9.4 14.0



#24
 1,1-Dichloroethane
 Concen: 49.234 ug/l
 RT: 6.246 min Scan# 715
 Delta R.T. 0.006 min
 Lab File: VW032059.D
 Acq: 11 Aug 2025 11:51

Tgt Ion: 63 Resp: 265060
 Ion Ratio Lower Upper
 63 100
 98 8.3 3.7 11.1
 100 4.6 2.5 7.4

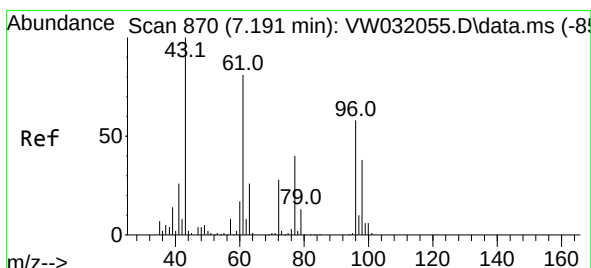
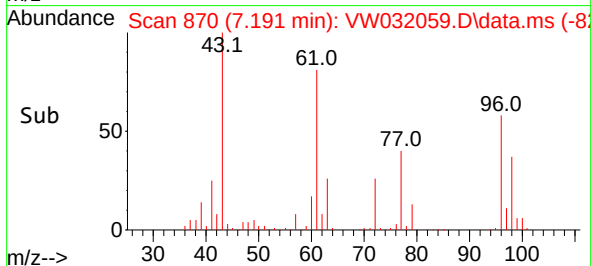
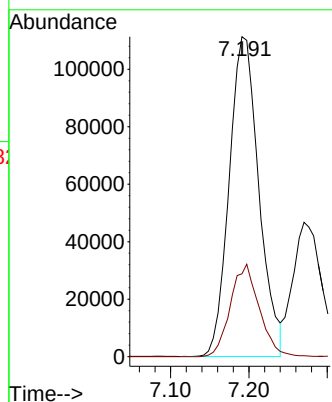
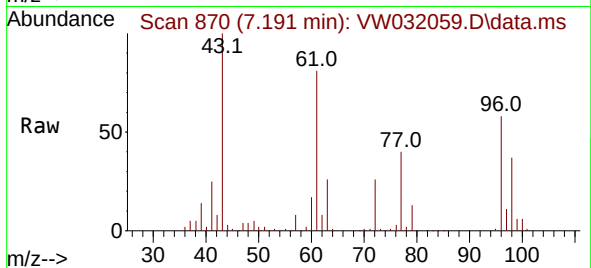




#25
2-Butanone
Concen: 272.083 ug/l
RT: 7.191 min Scan# 81
Delta R.T. -0.000 min
Lab File: VW032059.D
Acq: 11 Aug 2025 11:51

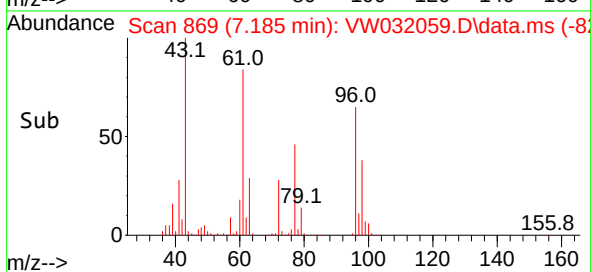
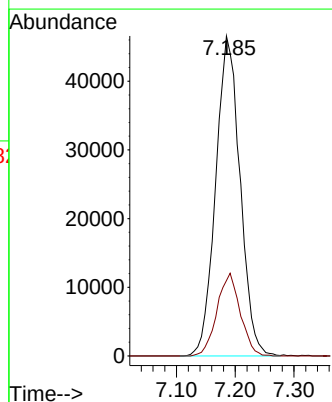
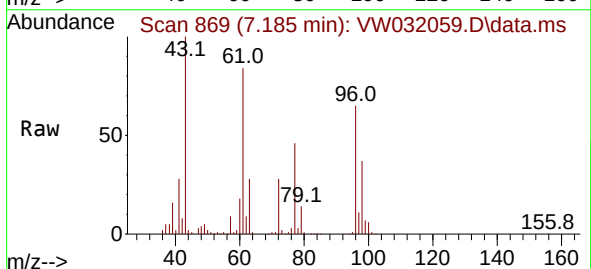
Instrument :
MSVOA_W
ClientSampleId :
ICVW081125

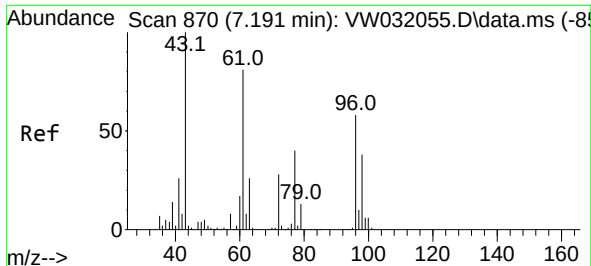
Tgt Ion: 43 Resp: 293227
Ion Ratio Lower Upper
43 100
72 25.9 22.3 33.5



#26
2,2-Dichloropropane
Concen: 49.659 ug/l
RT: 7.185 min Scan# 869
Delta R.T. -0.006 min
Lab File: VW032059.D
Acq: 11 Aug 2025 11:51

Tgt Ion: 77 Resp: 134123
Ion Ratio Lower Upper
77 100
97 24.7 12.3 36.9

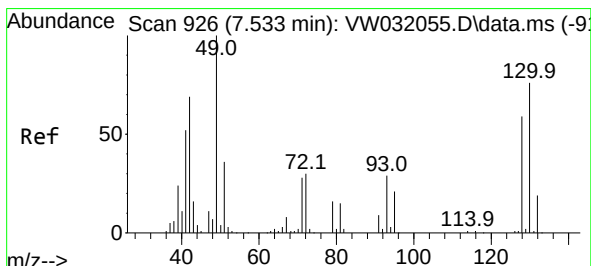
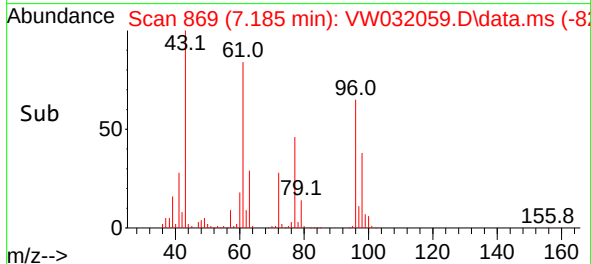
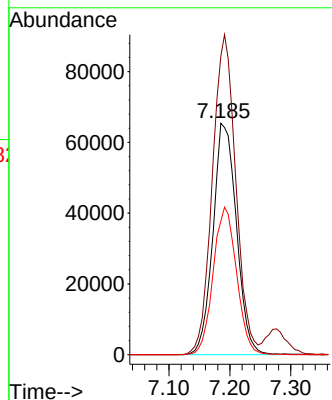
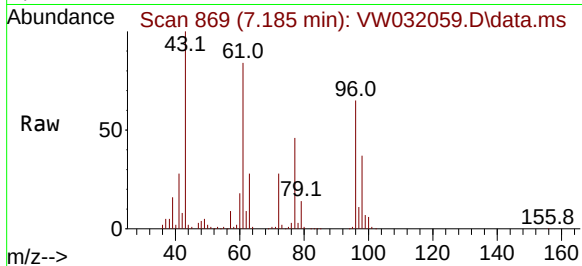




#27
cis-1,2-Dichloroethene
Concen: 51.404 ug/l
RT: 7.185 min Scan# 869
Delta R.T. -0.006 min
Lab File: VW032059.D
Acq: 11 Aug 2025 11:51

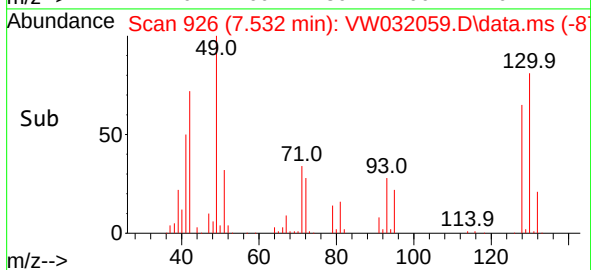
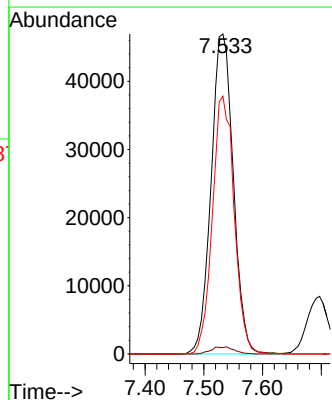
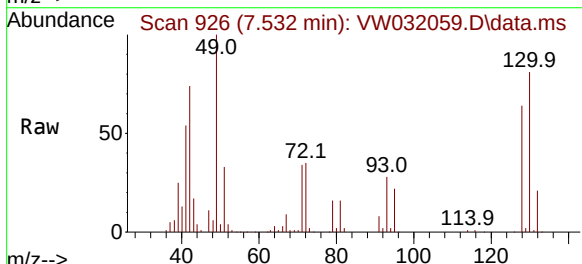
Instrument :
MSVOA_W
ClientSampleId :
ICVW081125

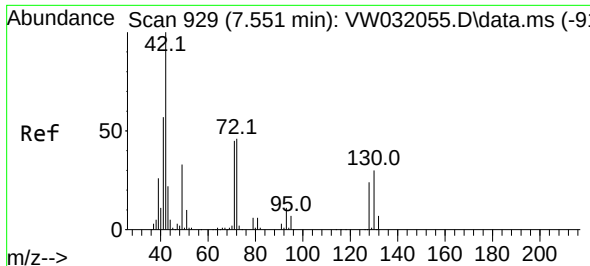
Tgt Ion: 96 Resp: 175120
Ion Ratio Lower Upper
96 100
61 137.9 0.0 281.2
98 63.6 0.0 130.8



#28
Bromochloromethane
Concen: 50.315 ug/l
RT: 7.532 min Scan# 926
Delta R.T. -0.000 min
Lab File: VW032059.D
Acq: 11 Aug 2025 11:51

Tgt Ion: 49 Resp: 123268
Ion Ratio Lower Upper
49 100
129 2.3 0.0 4.2
130 79.0 61.9 92.9

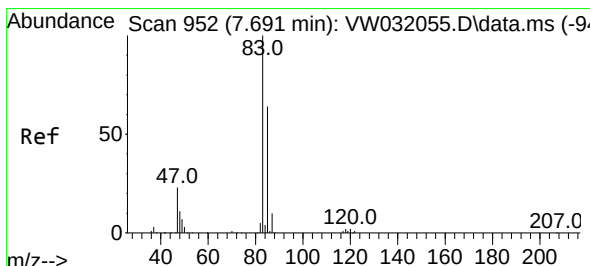
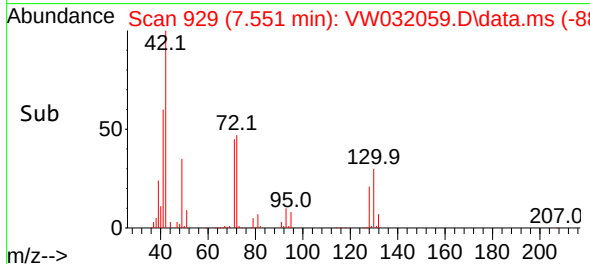
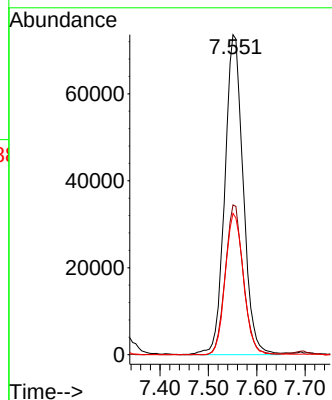
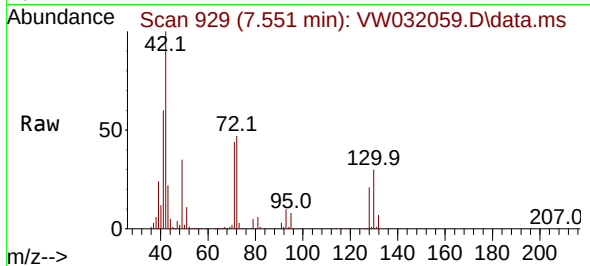




#29
Tetrahydrofuran
Concen: 274.235 ug/l
RT: 7.551 min Scan# 91
Delta R.T. -0.000 min
Lab File: VW032059.D
Acq: 11 Aug 2025 11:51

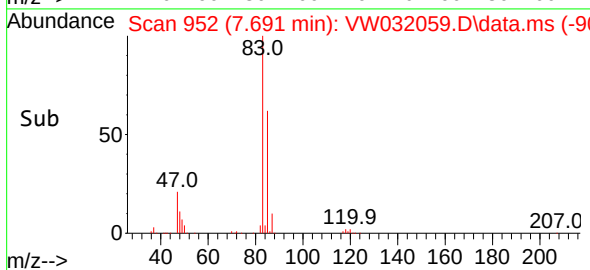
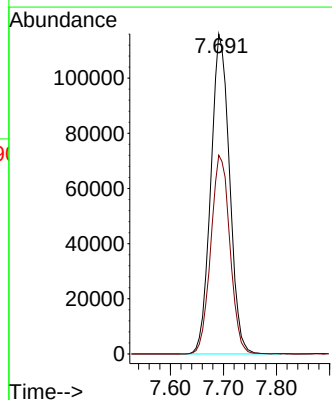
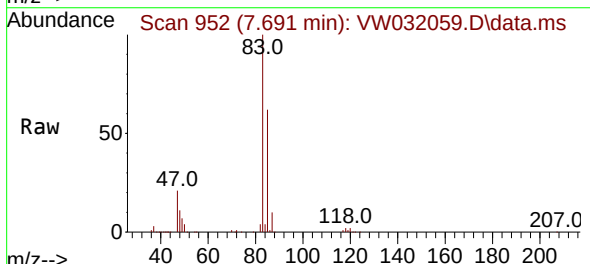
Instrument :
MSVOA_W
ClientSampleId :
ICVW081125

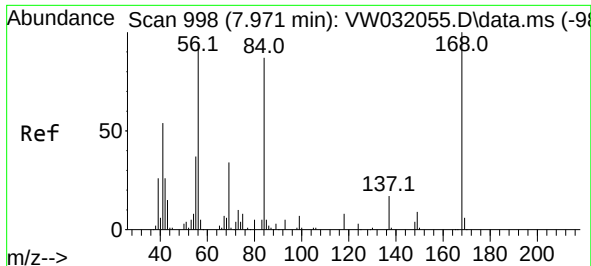
Tgt Ion: 42 Resp: 194909
Ion Ratio Lower Upper
42 100
72 45.7 36.6 55.0
71 43.9 34.7 52.1



#30
Chloroform
Concen: 49.803 ug/l
RT: 7.691 min Scan# 952
Delta R.T. -0.000 min
Lab File: VW032059.D
Acq: 11 Aug 2025 11:51

Tgt Ion: 83 Resp: 284250
Ion Ratio Lower Upper
83 100
85 62.1 51.0 76.4

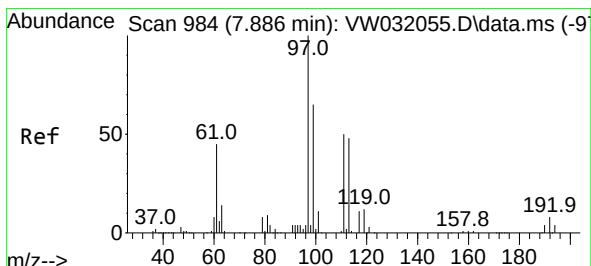
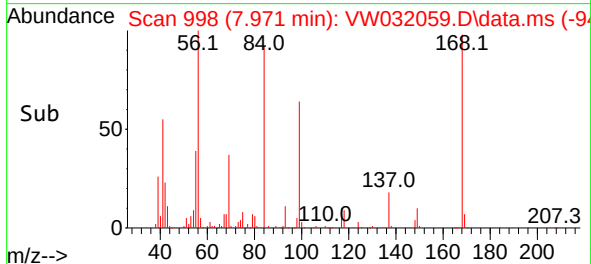
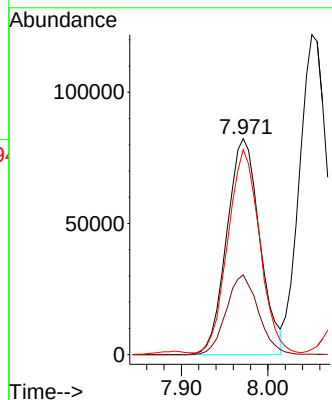
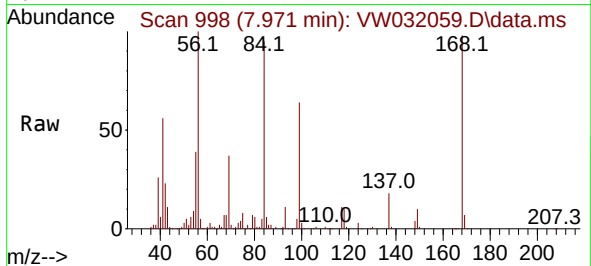




#31
Cyclohexane
Concen: 46.646 ug/l
RT: 7.971 min Scan# 998
Delta R.T. -0.000 min
Lab File: VW032059.D
Acq: 11 Aug 2025 11:51

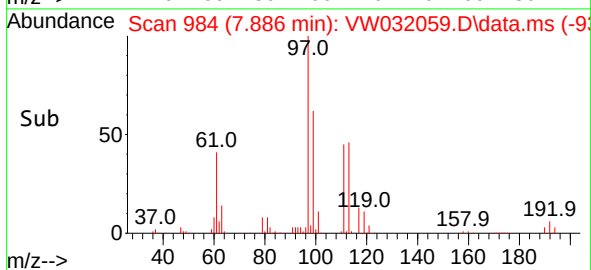
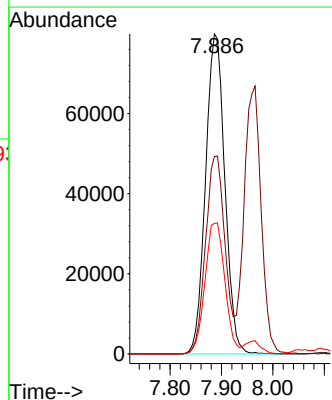
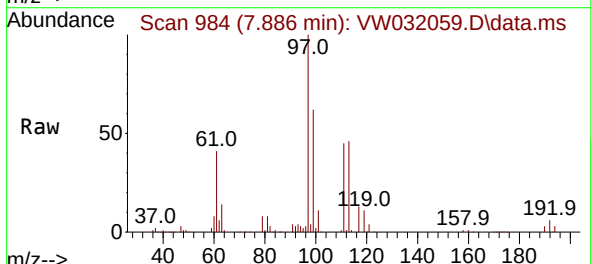
Instrument :
MSVOA_W
ClientSampleId :
ICVW081125

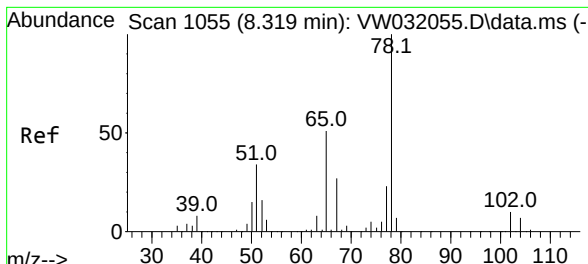
Tgt Ion: 56 Resp: 217714
Ion Ratio Lower Upper
56 100
69 36.9 28.6 42.8
84 93.6 73.0 109.4



#32
1,1,1-Trichloroethane
Concen: 50.108 ug/l
RT: 7.886 min Scan# 984
Delta R.T. -0.000 min
Lab File: VW032059.D
Acq: 11 Aug 2025 11:51

Tgt Ion: 97 Resp: 207733
Ion Ratio Lower Upper
97 100
99 62.3 51.8 77.8
61 42.4 35.9 53.9

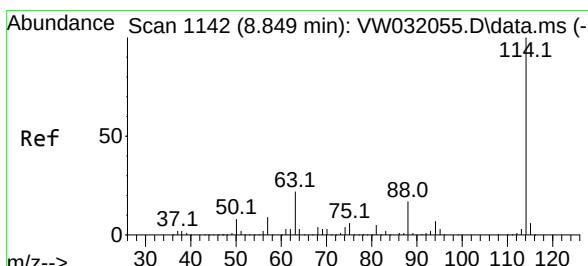
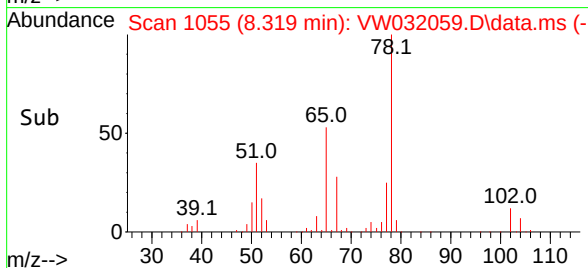
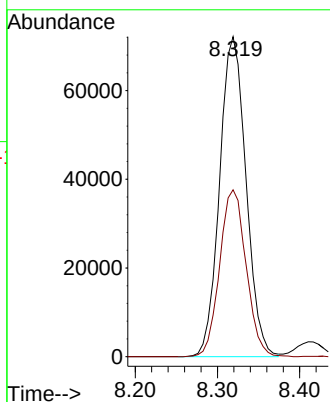
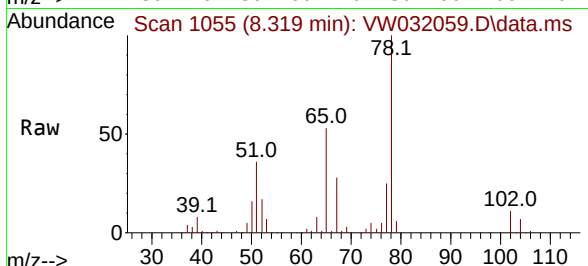




#33
 1,2-Dichloroethane-d4
 Concen: 49.205 ug/l
 RT: 8.319 min Scan# 1055
 Delta R.T. -0.000 min
 Lab File: VW032059.D
 Acq: 11 Aug 2025 11:51

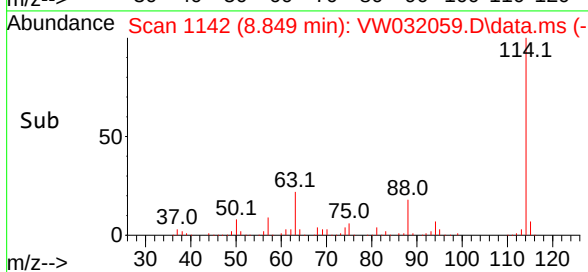
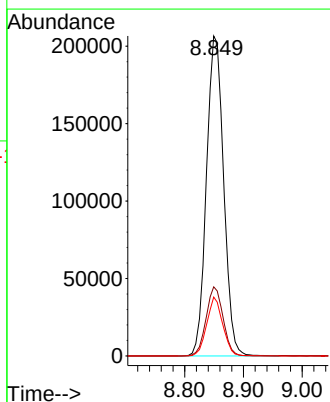
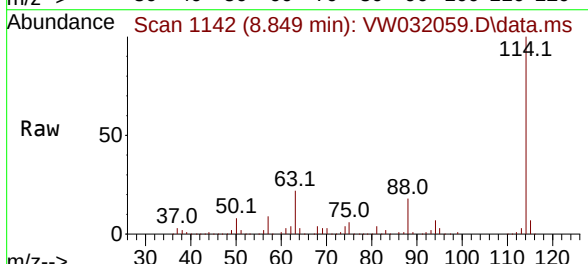
Instrument : MSVOA_W
 ClientSampleId : ICVVW081125

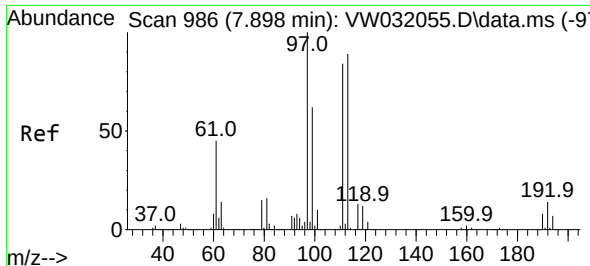
Tgt Ion:	65	Resp:	161155
Ion Ratio	Lower	Upper	
65	100		
67	52.2	0.0	102.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.849 min Scan# 1142
 Delta R.T. -0.000 min
 Lab File: VW032059.D
 Acq: 11 Aug 2025 11:51

Tgt Ion:	114	Resp:	420434
Ion Ratio	Lower	Upper	
114	100		
63	21.6	0.0	43.0
88	18.4	0.0	33.8

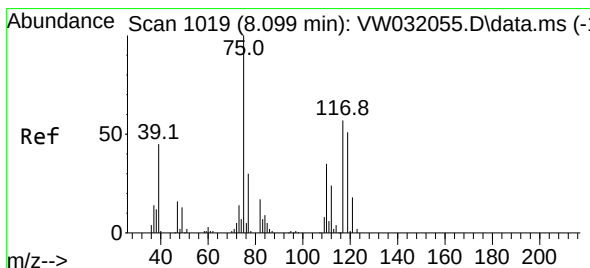
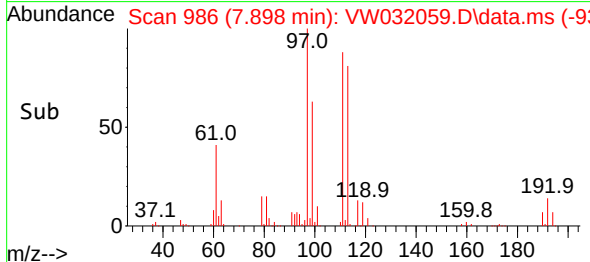
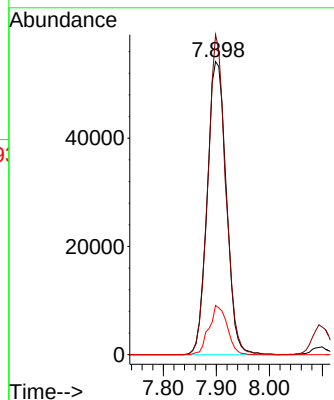
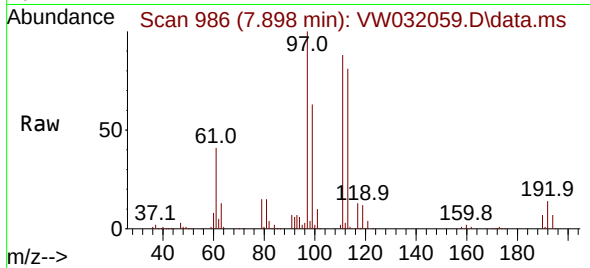




#35
 Dibromofluoromethane
 Concen: 49.939 ug/l
 RT: 7.898 min Scan# 91
 Delta R.T. -0.000 min
 Lab File: VW032059.D
 Acq: 11 Aug 2025 11:51

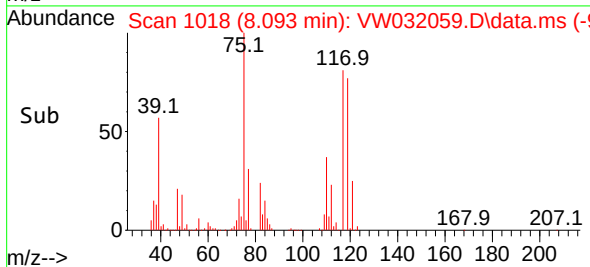
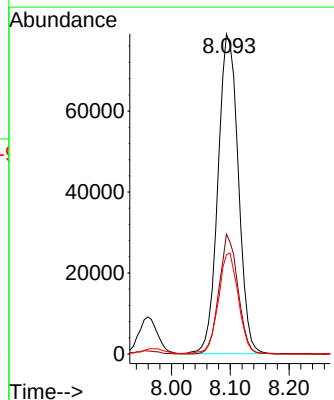
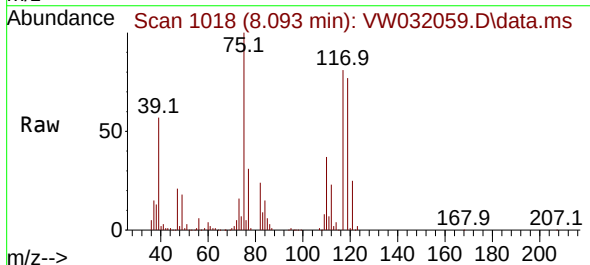
Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW081125

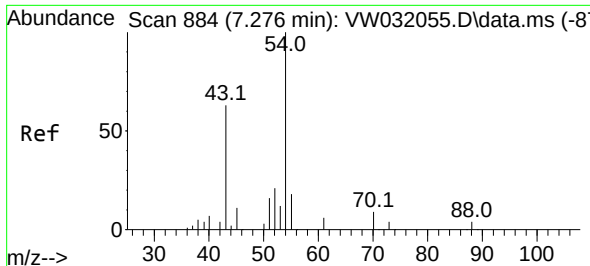
Tgt Ion:113 Resp: 135642
 Ion Ratio Lower Upper
 113 100
 111 102.0 80.1 120.1
 192 16.1 13.1 19.7



#36
 1,1-Dichloropropene
 Concen: 49.574 ug/l
 RT: 8.093 min Scan# 1018
 Delta R.T. -0.006 min
 Lab File: VW032059.D
 Acq: 11 Aug 2025 11:51

Tgt Ion: 75 Resp: 189820
 Ion Ratio Lower Upper
 75 100
 110 34.9 17.4 52.2
 77 31.3 24.7 37.1





#37

Ethyl Acetate

Concen: 55.214 ug/l

RT: 7.270 min Scan# 8

Delta R.T. -0.006 min

Lab File: VW032059.D

Acq: 11 Aug 2025 11:51

Instrument :

MSVOA_W

ClientSampleId :

ICVW081125

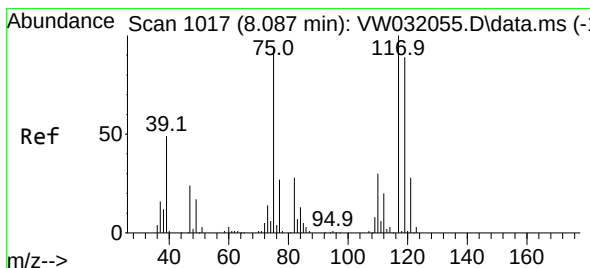
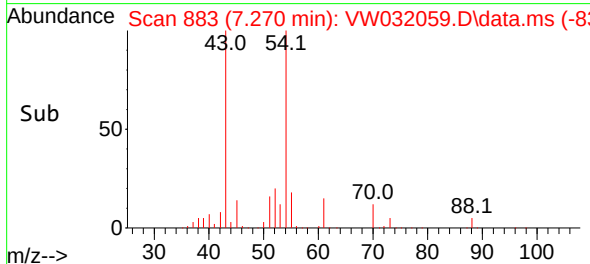
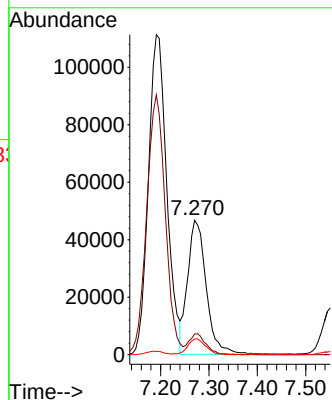
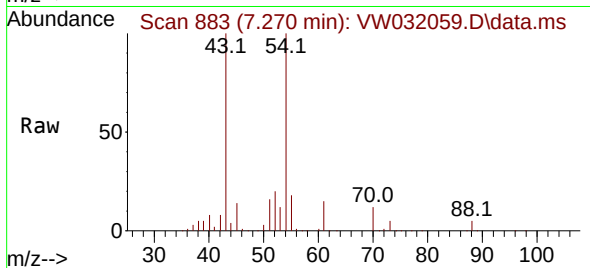
Tgt Ion: 43 Resp: 124516

Ion Ratio Lower Upper

43 100

61 14.6 11.8 17.6

70 11.3 9.4 14.0



#38

Carbon Tetrachloride

Concen: 50.015 ug/l

RT: 8.081 min Scan# 1016

Delta R.T. -0.006 min

Lab File: VW032059.D

Acq: 11 Aug 2025 11:51

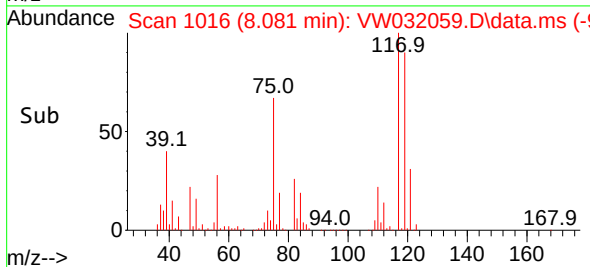
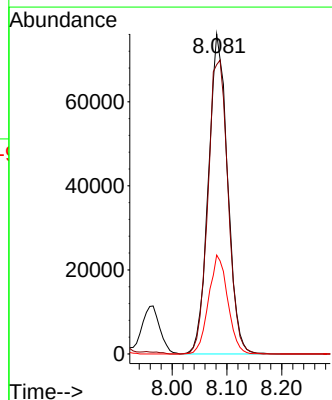
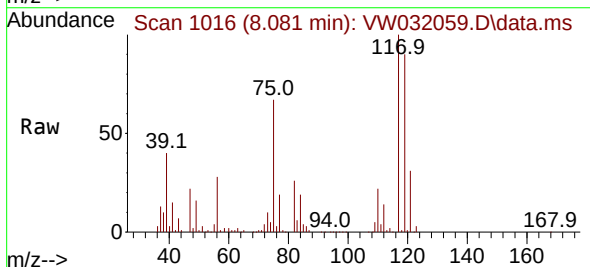
Tgt Ion: 117 Resp: 184816

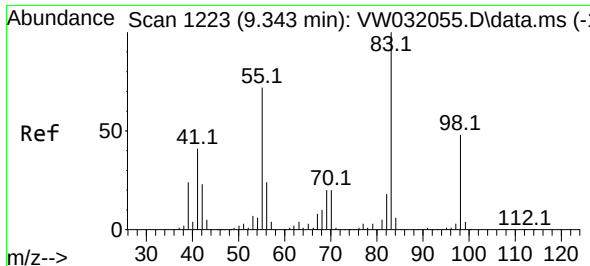
Ion Ratio Lower Upper

117 100

119 90.4 71.4 107.2

121 30.9 22.3 33.5





#39

Methylcyclohexane

Concen: 52.181 ug/l

RT: 9.343 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW032059.D

Acq: 11 Aug 2025 11:51

Instrument :

MSVOA_W

ClientSampleId :

ICVW081125

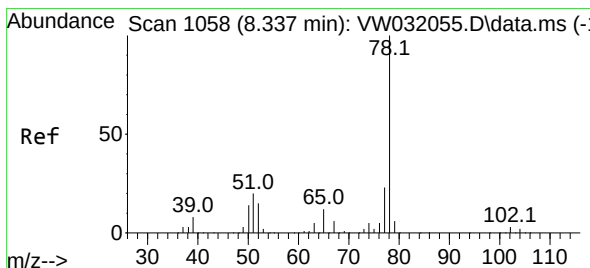
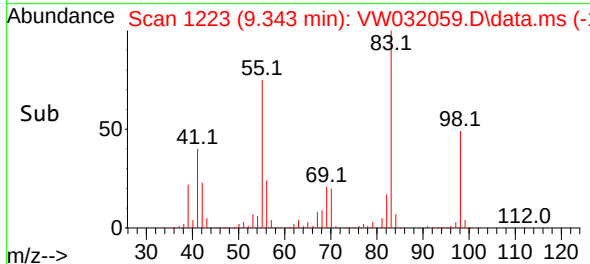
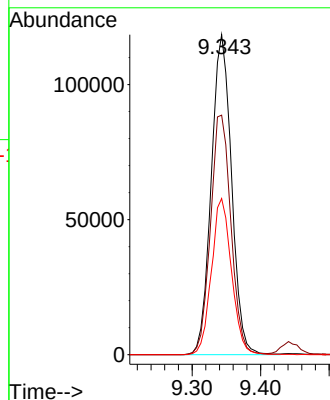
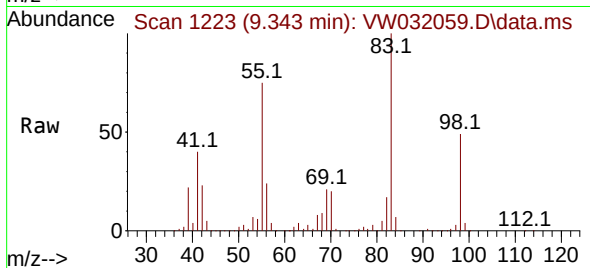
Tgt Ion: 83 Resp: 243533

Ion Ratio Lower Upper

83 100

55 74.9 57.9 86.9

98 48.8 38.3 57.5



#40

Benzene

Concen: 50.272 ug/l

RT: 8.337 min Scan# 1058

Delta R.T. -0.000 min

Lab File: VW032059.D

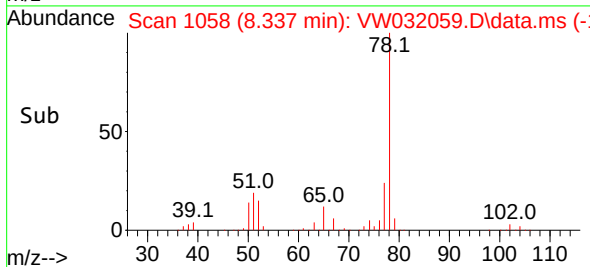
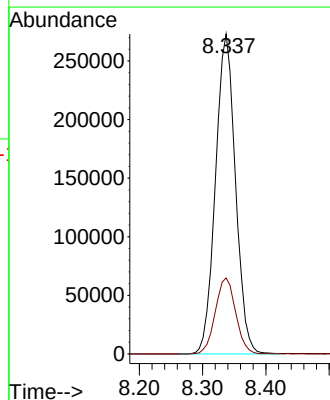
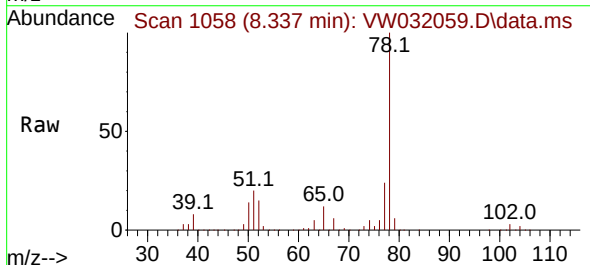
Acq: 11 Aug 2025 11:51

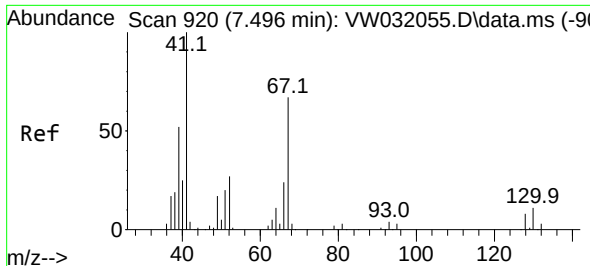
Tgt Ion: 78 Resp: 598350

Ion Ratio Lower Upper

78 100

77 23.7 18.4 27.6

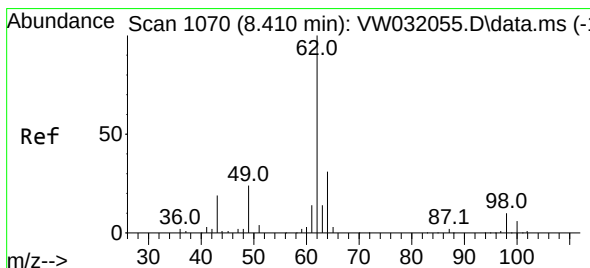
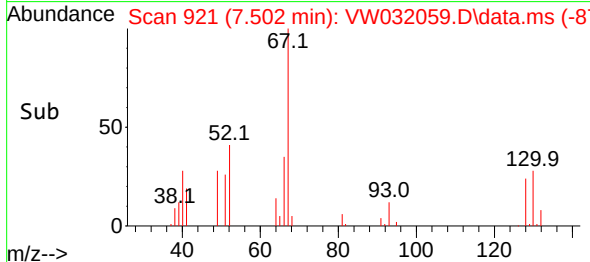
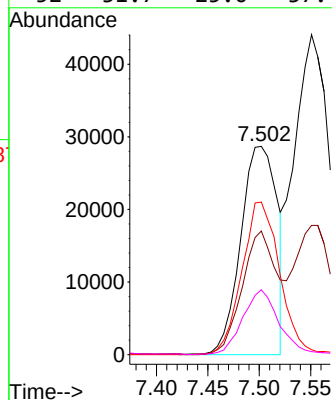
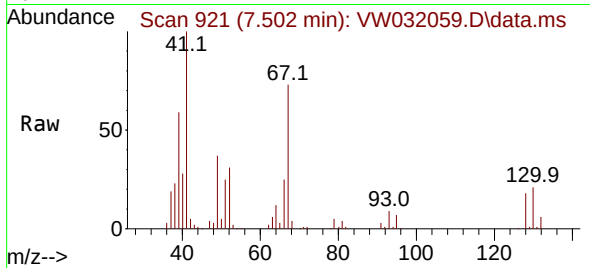




#41
Methacrylonitrile
Concen: 55.204 ug/l
RT: 7.502 min Scan# 91
Delta R.T. 0.006 min
Lab File: VW032059.D
Acq: 11 Aug 2025 11:51

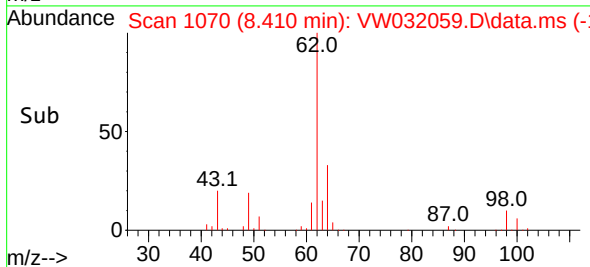
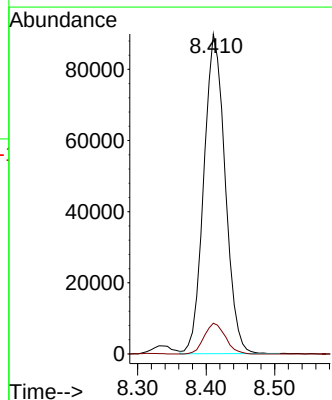
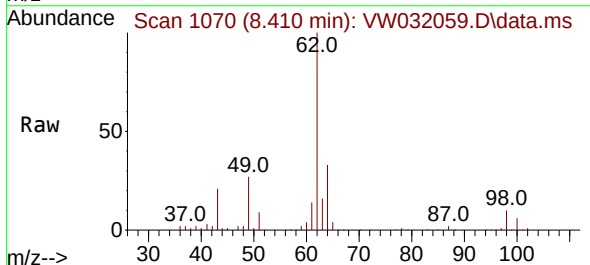
Instrument :
MSVOA_W
ClientSampleId :
ICVW081125

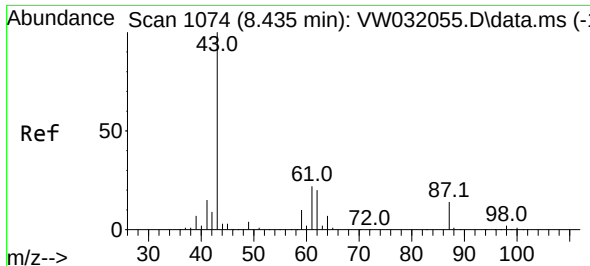
Tgt Ion: 41	Resp: 70600
Ion Ratio	Lower Upper
41 100	
39 60.0	42.6 63.8
67 76.4	61.0 91.4
52 31.7	25.0 37.4



#42
1,2-Dichloroethane
Concen: 51.154 ug/l
RT: 8.410 min Scan# 1070
Delta R.T. -0.000 min
Lab File: VW032059.D
Acq: 11 Aug 2025 11:51

Tgt Ion: 62	Resp: 194825
Ion Ratio	Lower Upper
62 100	
98 9.5	0.0 19.8

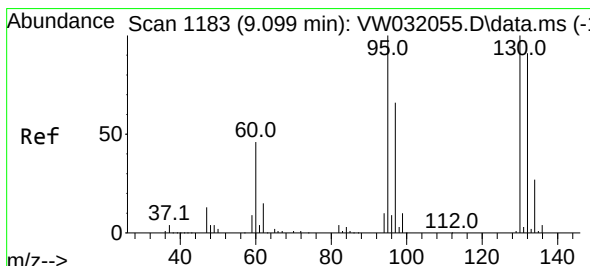
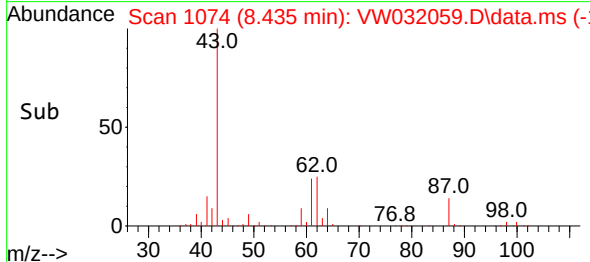
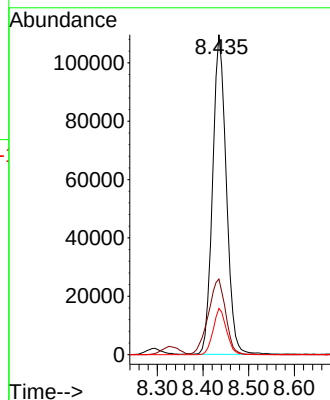
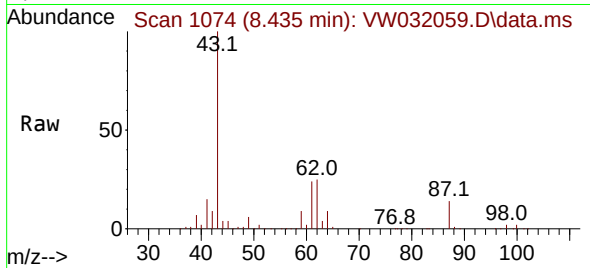




#43
Isopropyl Acetate
Concen: 54.846 ug/l
RT: 8.435 min Scan# 1074
Delta R.T. -0.000 min
Lab File: VW032059.D
Acq: 11 Aug 2025 11:51

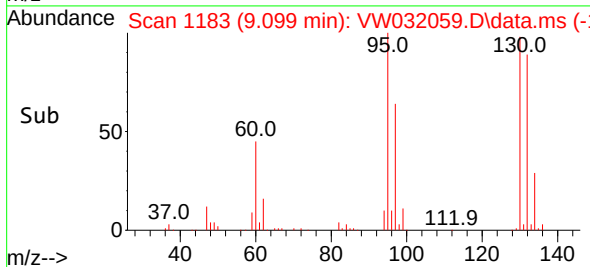
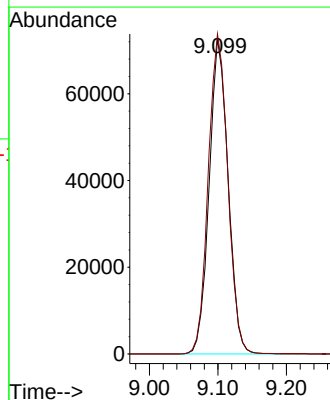
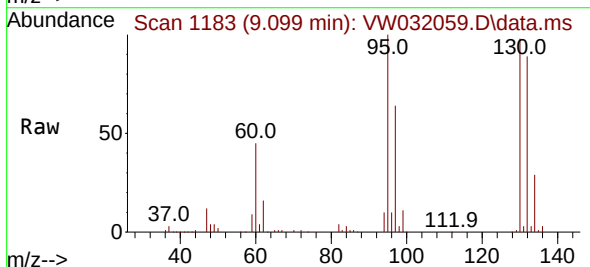
Instrument : MSVOA_W
ClientSampleId : ICVW081125

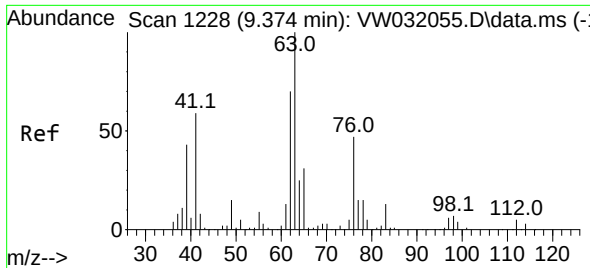
Tgt Ion: 43 Resp: 227561
Ion Ratio Lower Upper
43 100
61 29.6 23.8 35.8
87 14.1 11.7 17.5



#44
Trichloroethene
Concen: 49.175 ug/l
RT: 9.099 min Scan# 1183
Delta R.T. -0.000 min
Lab File: VW032059.D
Acq: 11 Aug 2025 11:51

Tgt Ion:130 Resp: 139383
Ion Ratio Lower Upper
130 100
95 101.6 0.0 200.6

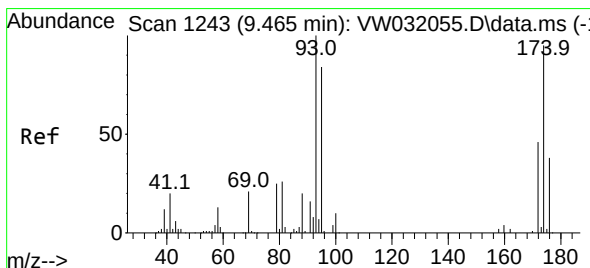
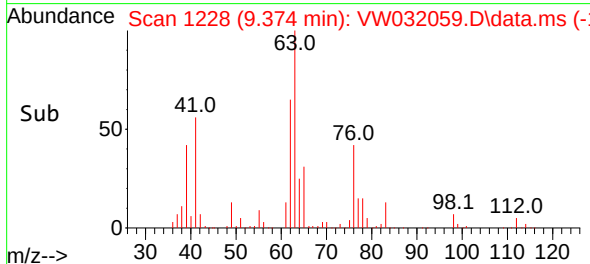
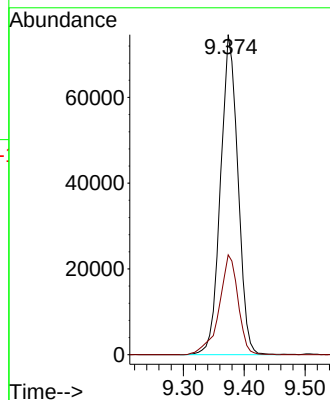
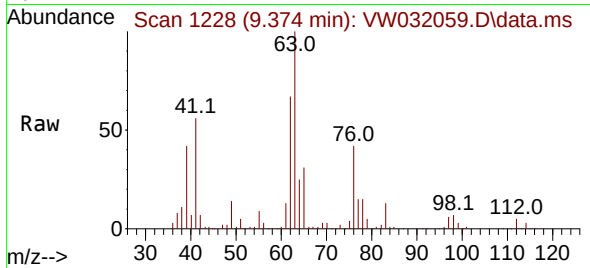




#45
1,2-Dichloropropane
Concen: 51.403 ug/l
RT: 9.374 min Scan# 1228
Delta R.T. -0.000 min
Lab File: VW032059.D
Acq: 11 Aug 2025 11:51

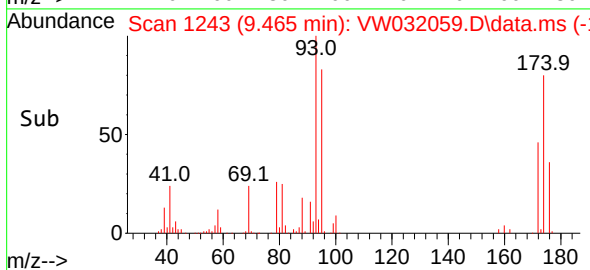
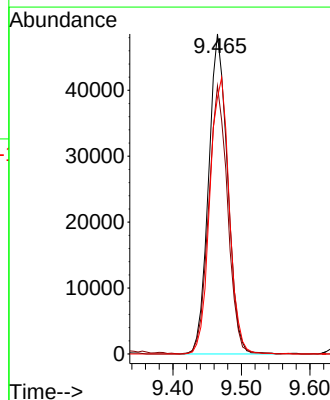
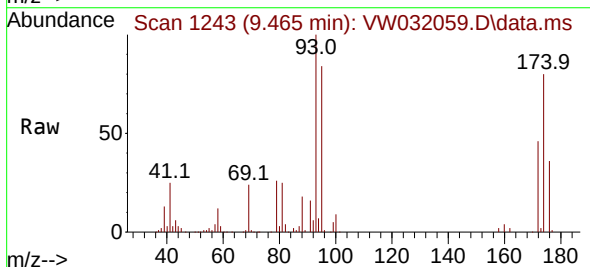
Instrument : MSVOA_W
ClientSampleId : ICVVW081125

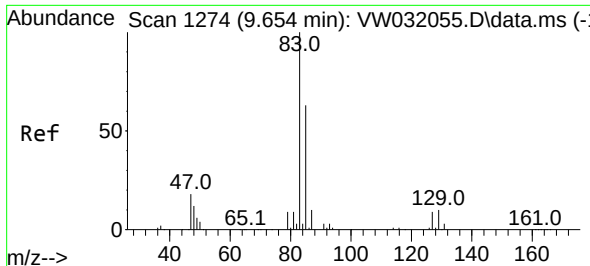
Tgt Ion: 63 Resp: 147807
Ion Ratio Lower Upper
63 100
65 31.2 24.6 36.8



#46
Dibromomethane
Concen: 50.497 ug/l
RT: 9.465 min Scan# 1243
Delta R.T. -0.000 min
Lab File: VW032059.D
Acq: 11 Aug 2025 11:51

Tgt Ion: 93 Resp: 93713
Ion Ratio Lower Upper
93 100
95 83.5 65.3 97.9
174 88.0 68.6 102.8

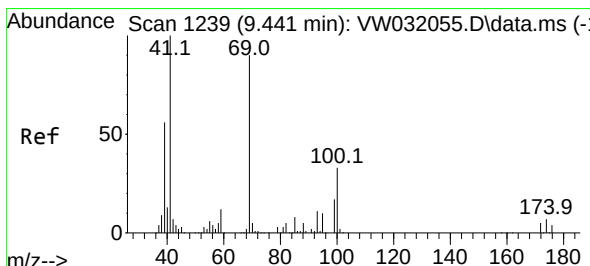
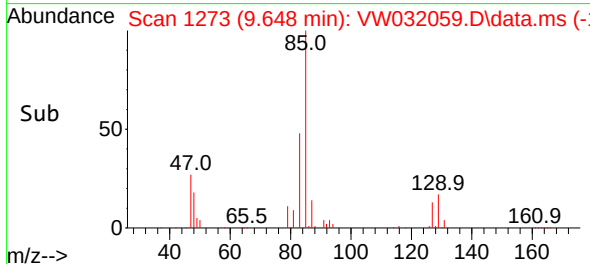
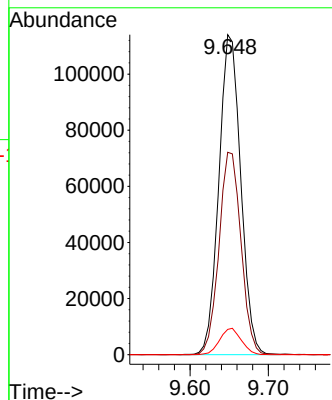
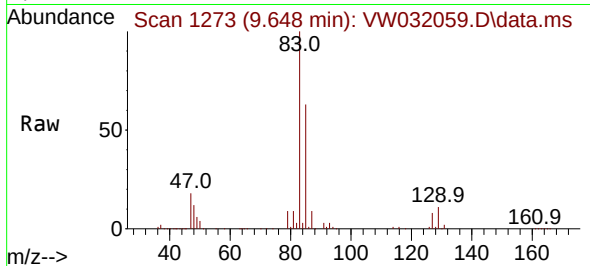




#47
Bromodichloromethane
Concen: 51.775 ug/l
RT: 9.648 min Scan# 1273
Delta R.T. -0.006 min
Lab File: VW032059.D
Acq: 11 Aug 2025 11:51

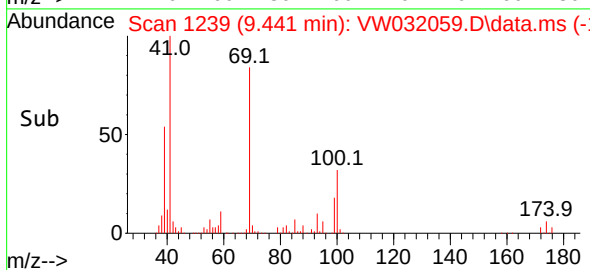
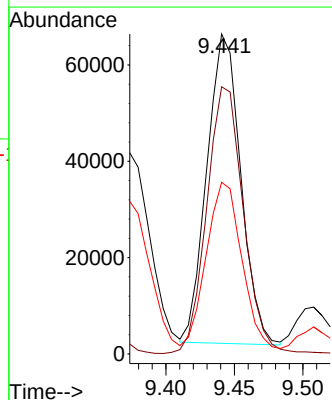
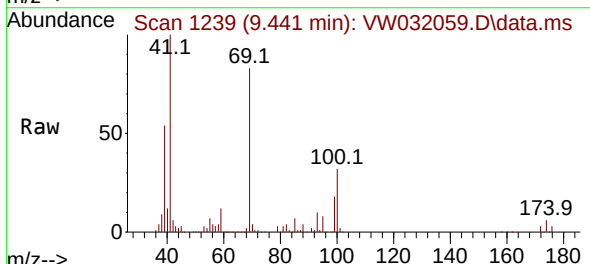
Instrument :
MSVOA_W
ClientSampleId :
ICVW081125

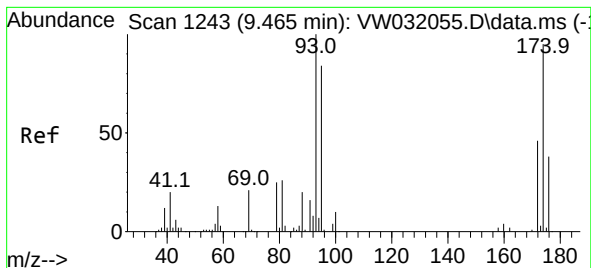
Tgt Ion: 83 Resp: 221409
Ion Ratio Lower Upper
83 100
85 63.3 50.6 75.8
127 7.9 6.9 10.3



#48
Methyl methacrylate
Concen: 55.048 ug/l
RT: 9.441 min Scan# 1239
Delta R.T. -0.000 min
Lab File: VW032059.D
Acq: 11 Aug 2025 11:51

Tgt Ion: 41 Resp: 110265
Ion Ratio Lower Upper
41 100
69 94.5 73.0 109.6
39 56.0 45.0 67.4





#49

1,4-Dioxane

Concen: 1155.151 ug/l

RT: 9.459 min Scan# 11

Delta R.T. -0.006 min

Lab File: VW032059.D

Acq: 11 Aug 2025 11:51

Instrument :

MSVOA_W

ClientSampleId :

ICVW081125

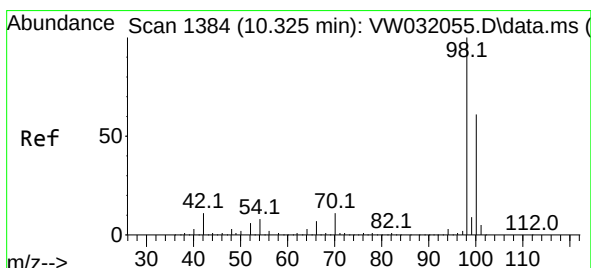
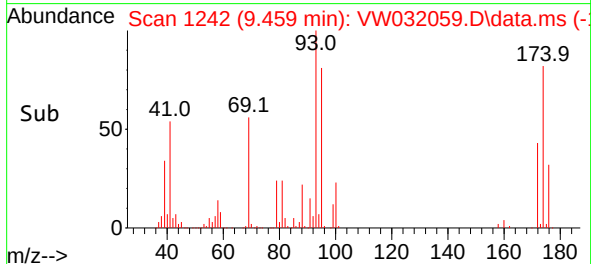
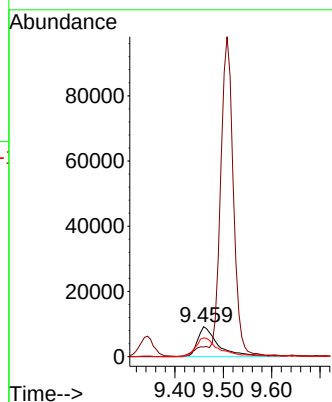
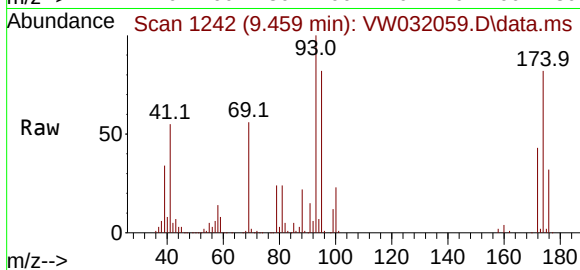
Tgt Ion: 88 Resp: 27718

Ion Ratio Lower Upper

88 100

43 0.0 20.6 30.8#

58 70.8 60.4 90.6



#50

Toluene-d8

Concen: 49.708 ug/l

RT: 10.325 min Scan# 1384

Delta R.T. -0.000 min

Lab File: VW032059.D

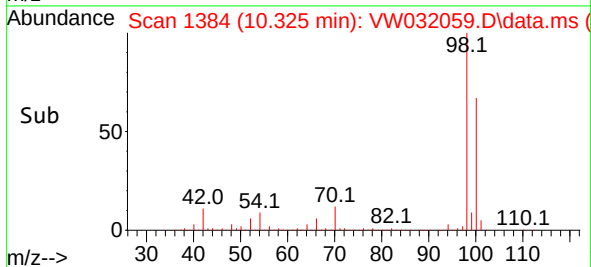
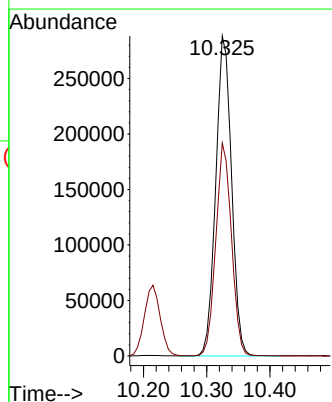
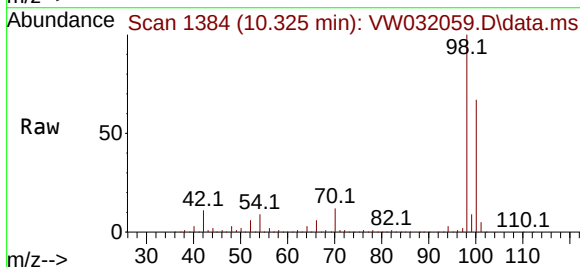
Acq: 11 Aug 2025 11:51

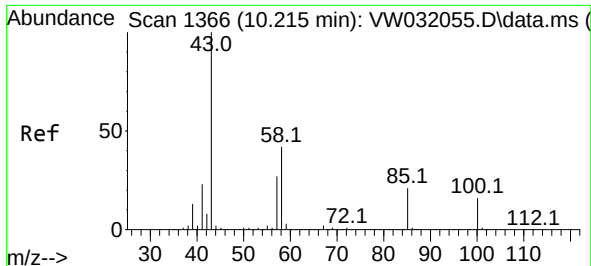
Tgt Ion: 98 Resp: 499377

Ion Ratio Lower Upper

98 100

100 65.9 51.1 76.7

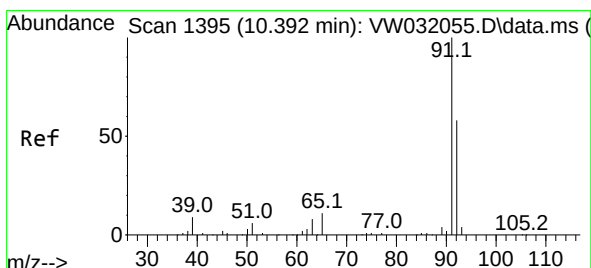
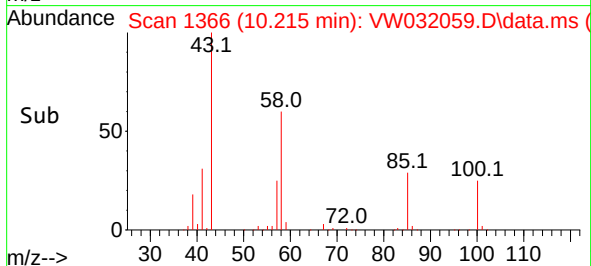
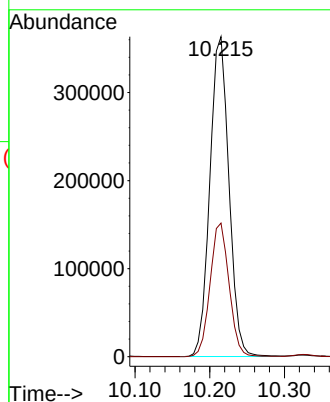
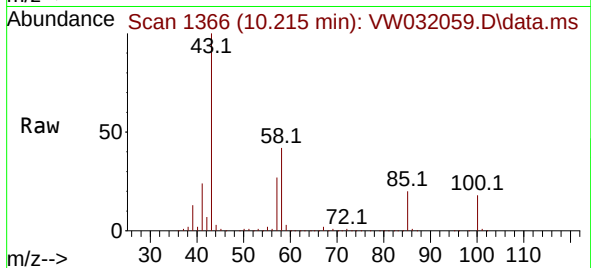




#51
4-Methyl-2-Pentanone
Concen: 275.585 ug/l
RT: 10.215 min Scan# 1366
Delta R.T. -0.000 min
Lab File: VW032059.D
Acq: 11 Aug 2025 11:51

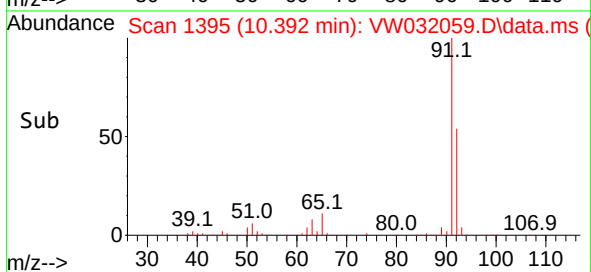
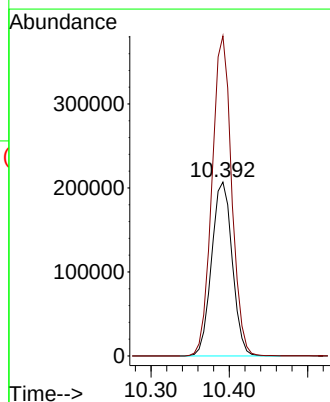
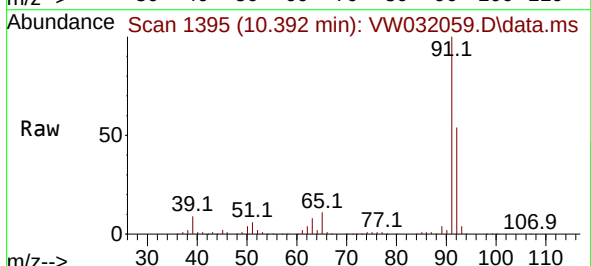
Instrument :
MSVOA_W
ClientSampleId :
ICVW081125

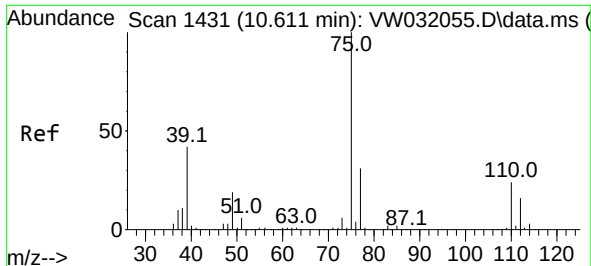
Tgt Ion: 43 Resp: 645391
Ion Ratio Lower Upper
43 100
58 41.5 33.1 49.7



#52
Toluene
Concen: 50.410 ug/l
RT: 10.392 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VW032059.D
Acq: 11 Aug 2025 11:51

Tgt Ion: 92 Resp: 377919
Ion Ratio Lower Upper
92 100
91 175.7 136.3 204.5

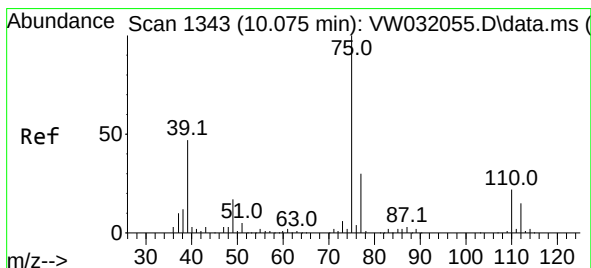
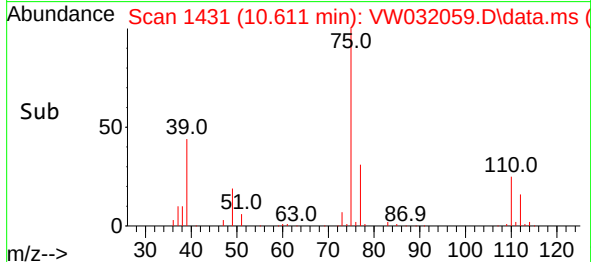
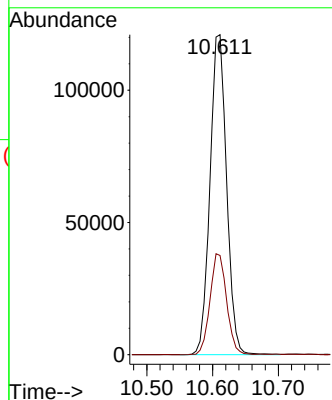
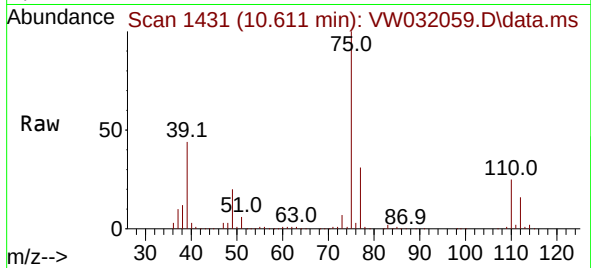




#53
t-1,3-Dichloropropene
Concen: 53.108 ug/l
RT: 10.611 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VW032059.D
Acq: 11 Aug 2025 11:51

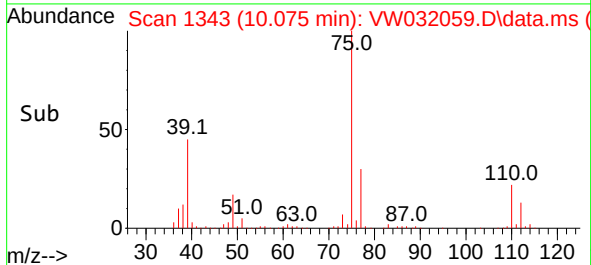
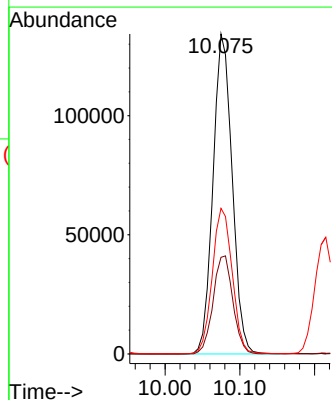
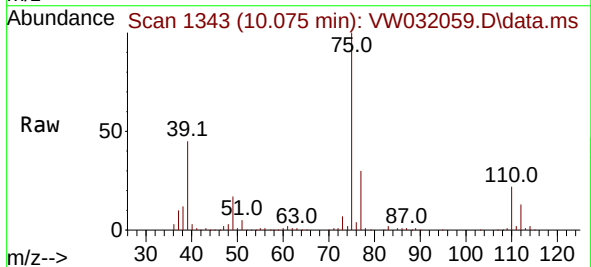
Instrument :
MSVOA_W
ClientSampleId :
ICVW081125

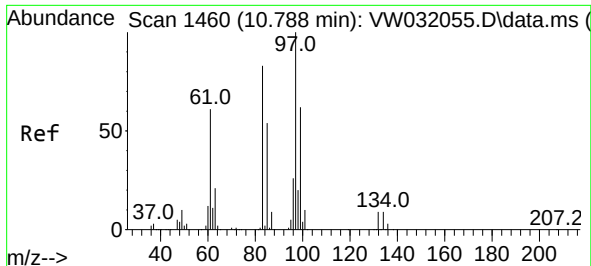
Tgt Ion: 75 Resp: 212772
Ion Ratio Lower Upper
75 100
77 31.0 25.0 37.6



#54
cis-1,3-Dichloropropene
Concen: 52.577 ug/l
RT: 10.075 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VW032059.D
Acq: 11 Aug 2025 11:51

Tgt Ion: 75 Resp: 238970
Ion Ratio Lower Upper
75 100
77 30.2 24.0 36.0
39 45.4 37.8 56.8

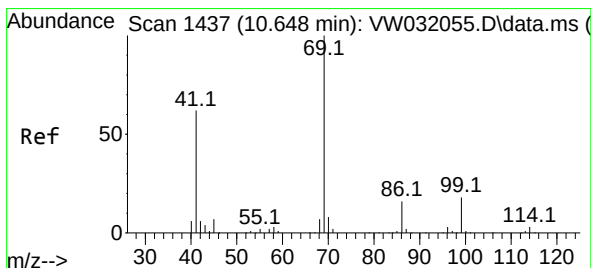
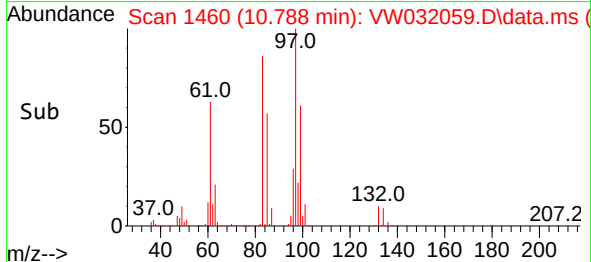
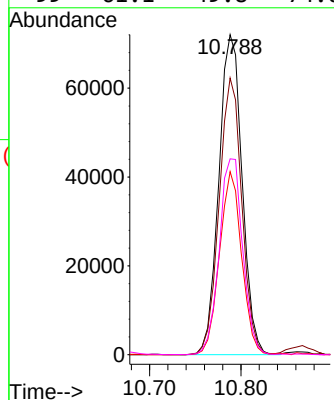
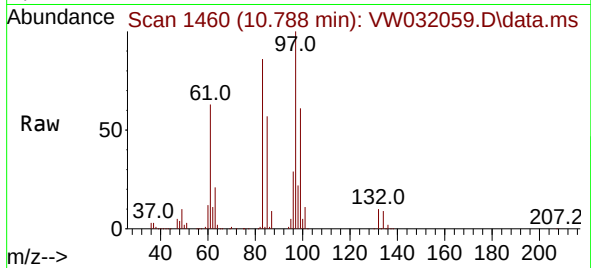




#55
1,1,2-Trichloroethane
Concen: 51.716 ug/l
RT: 10.788 min Scan# 1460
Delta R.T. -0.000 min
Lab File: VW032059.D
Acq: 11 Aug 2025 11:51

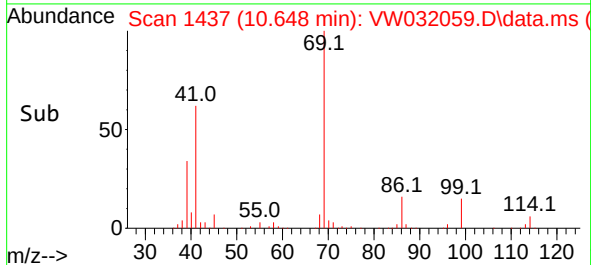
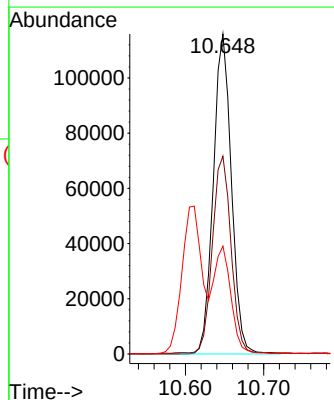
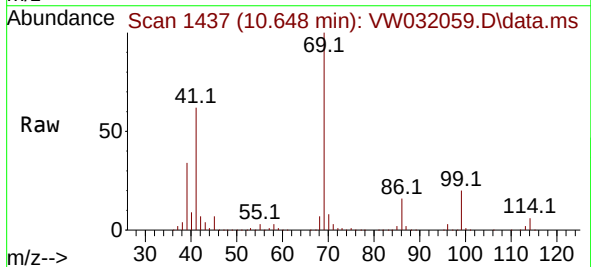
Instrument :
MSVOA_W
ClientSampleId :
ICVW081125

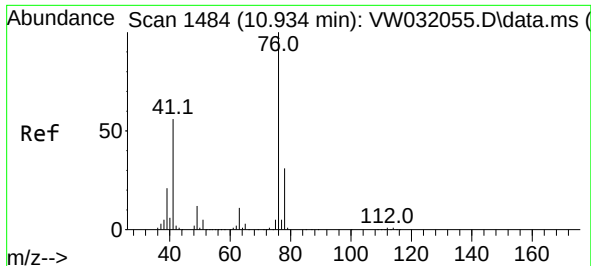
Tgt Ion:	97	Resp:	127536
Ion	Ratio	Lower	Upper
97	100		
83	86.4	66.4	99.6
85	57.2	43.1	64.7
99	61.1	49.8	74.6



#56
Ethyl methacrylate
Concen: 56.374 ug/l
RT: 10.648 min Scan# 1437
Delta R.T. -0.000 min
Lab File: VW032059.D
Acq: 11 Aug 2025 11:51

Tgt Ion:	69	Resp:	186039
Ion	Ratio	Lower	Upper
69	100		
41	64.4	51.2	76.8
39	31.4	25.4	38.0





#57

1,3-Dichloropropane

Concen: 51.186 ug/l

RT: 10.934 min Scan# 1484

Delta R.T. -0.000 min

Lab File: VW032059.D

Acq: 11 Aug 2025 11:51

Instrument :

MSVOA_W

ClientSampleId :

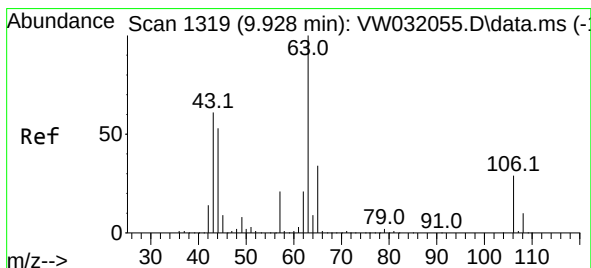
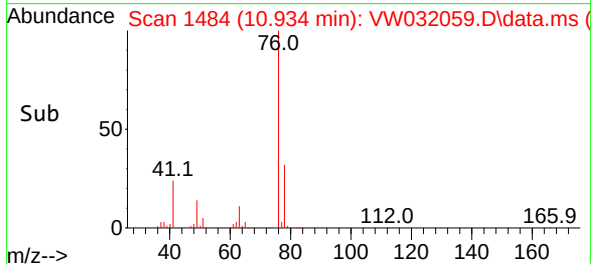
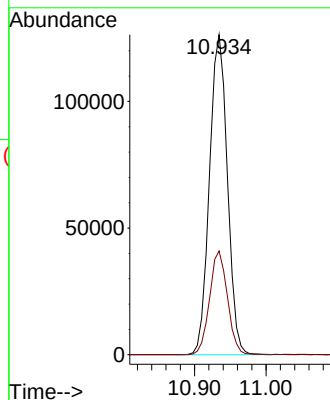
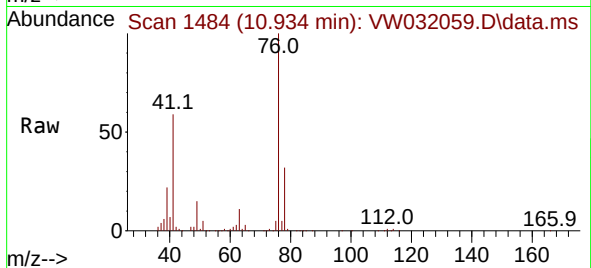
ICVW081125

Tgt Ion: 76 Resp: 220027

Ion Ratio Lower Upper

76 100

78 32.3 25.8 38.6



#58

2-Chloroethyl Vinyl ether

Concen: 272.893 ug/l

RT: 9.928 min Scan# 1319

Delta R.T. -0.000 min

Lab File: VW032059.D

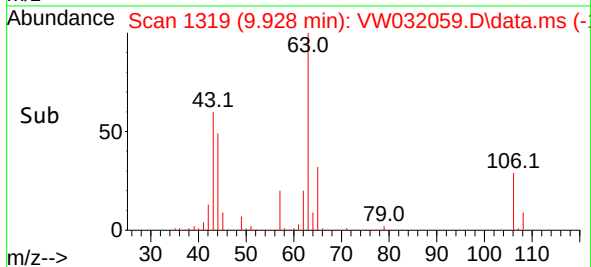
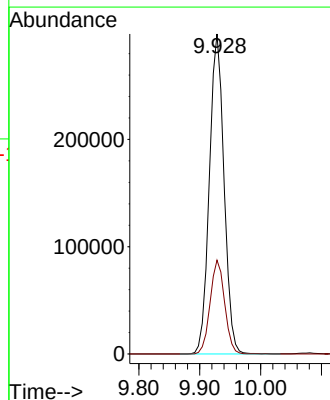
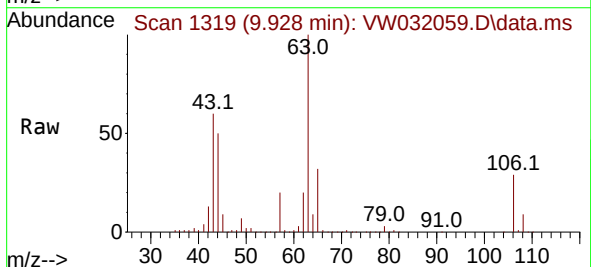
Acq: 11 Aug 2025 11:51

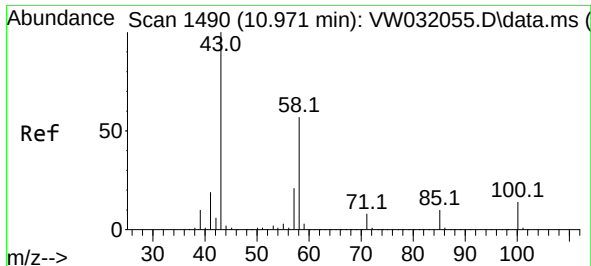
Tgt Ion: 63 Resp: 498131

Ion Ratio Lower Upper

63 100

106 29.0 23.5 35.3

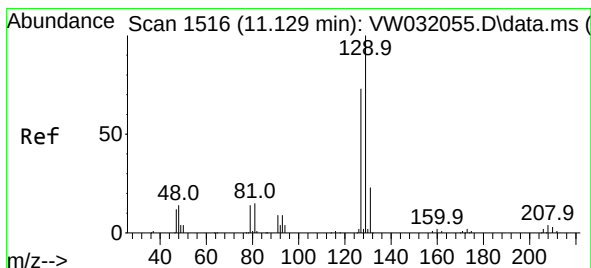
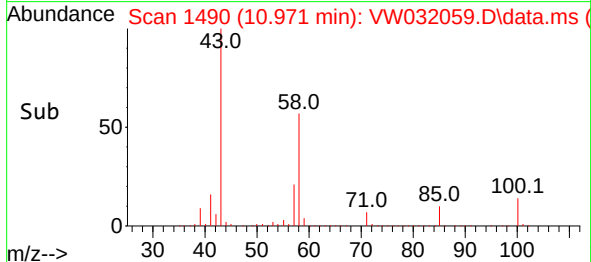
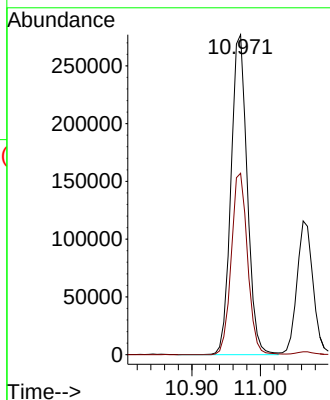
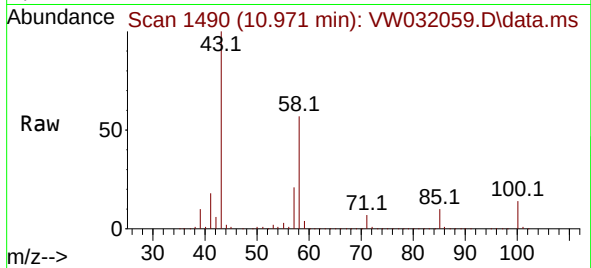




#59
2-Hexanone
Concen: 281.817 ug/l
RT: 10.971 min Scan# 1490
Delta R.T. -0.000 min
Lab File: VW032059.D
Acq: 11 Aug 2025 11:51

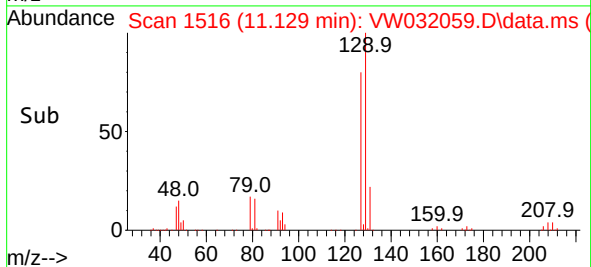
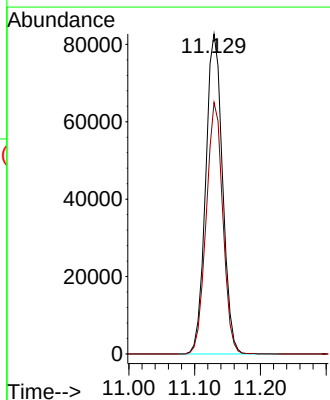
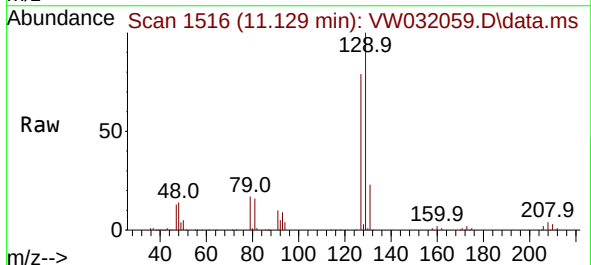
Instrument :
MSVOA_W
ClientSampleId :
ICVW081125

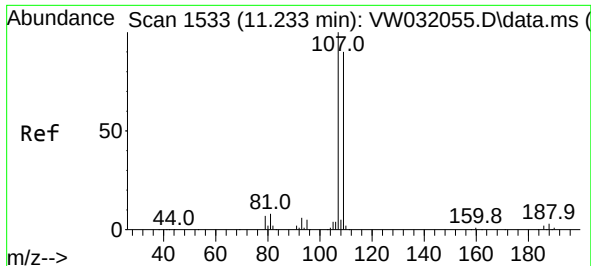
Tgt Ion: 43 Resp: 457083
Ion Ratio Lower Upper
43 100
58 56.8 28.3 85.0



#60
Dibromochloromethane
Concen: 52.276 ug/l
RT: 11.129 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VW032059.D
Acq: 11 Aug 2025 11:51

Tgt Ion: 129 Resp: 147264
Ion Ratio Lower Upper
129 100
127 77.5 39.0 116.9

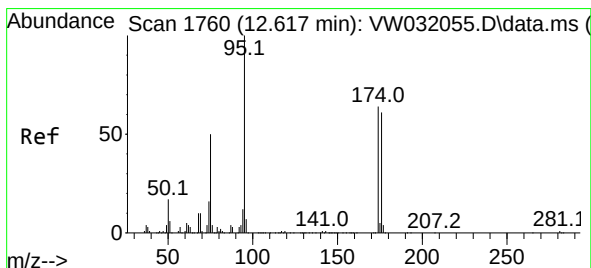
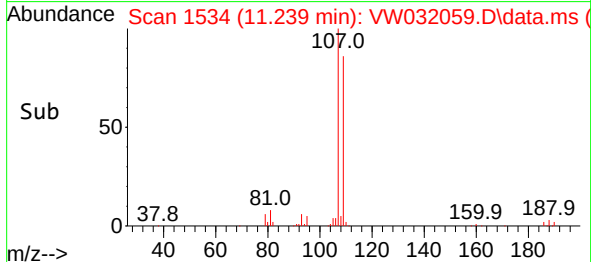
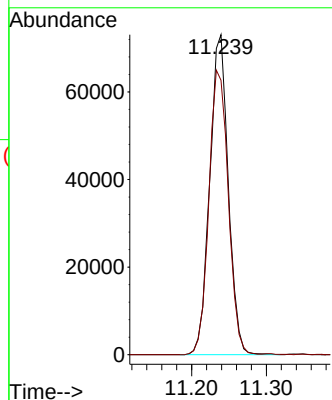
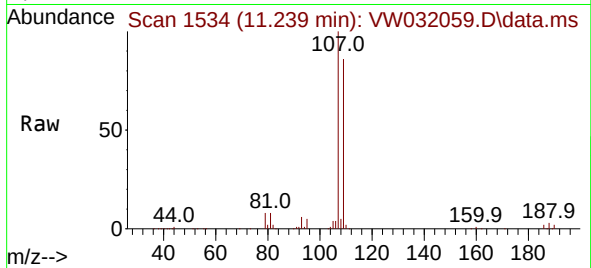




#61
1,2-Dibromoethane
Concen: 52.603 ug/l
RT: 11.239 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW032059.D
Acq: 11 Aug 2025 11:51

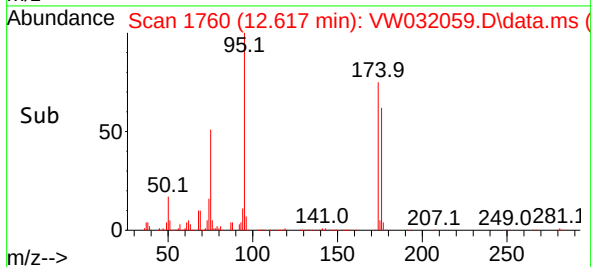
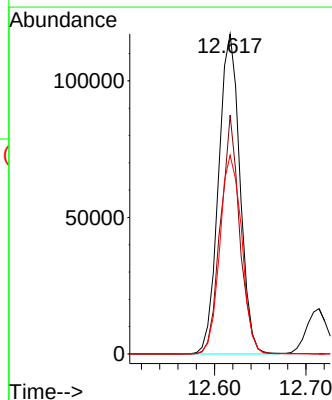
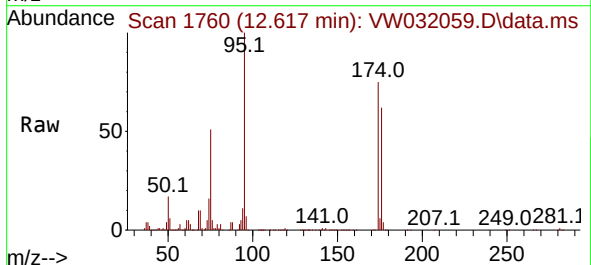
Instrument :
MSVOA_W
ClientSampleId :
ICVW081125

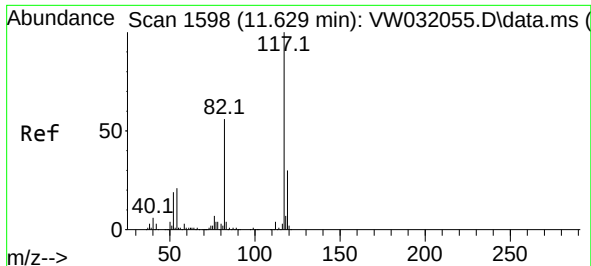
Tgt Ion:107 Resp: 126064
Ion Ratio Lower Upper
107 100
109 93.2 74.2 111.4



#62
4-Bromofluorobenzene
Concen: 51.460 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032059.D
Acq: 11 Aug 2025 11:51

Tgt Ion: 95 Resp: 190514
Ion Ratio Lower Upper
95 100
174 66.7 0.0 129.0
176 63.5 0.0 124.6

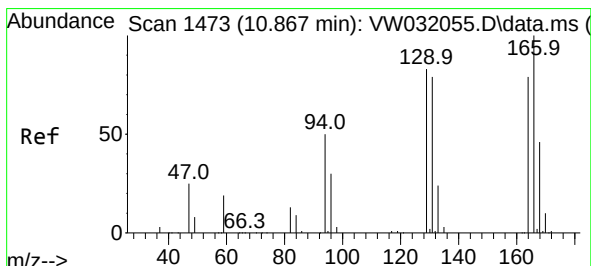
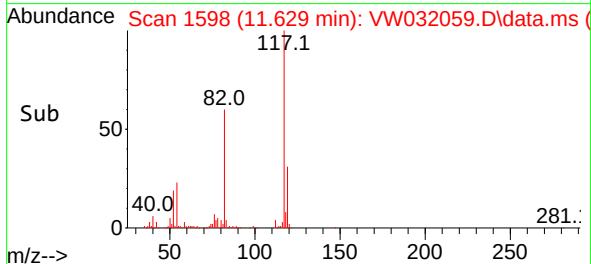
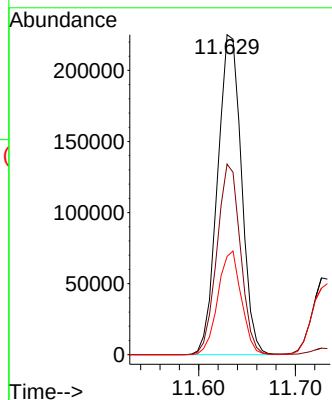
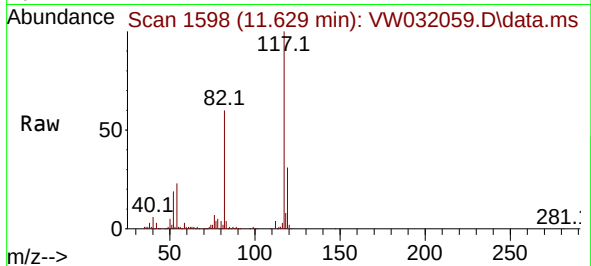




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW032059.D
Acq: 11 Aug 2025 11:51

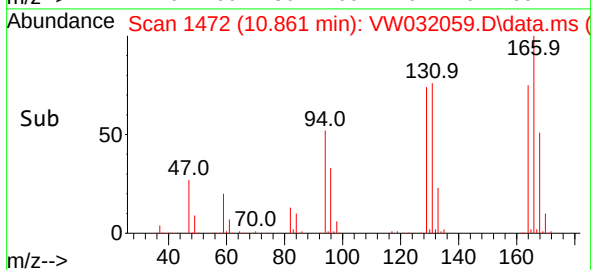
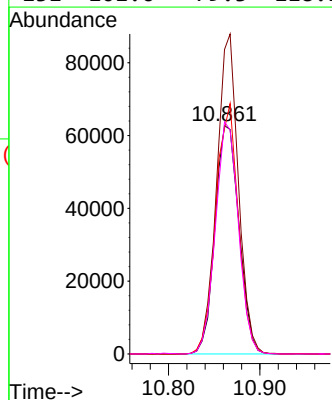
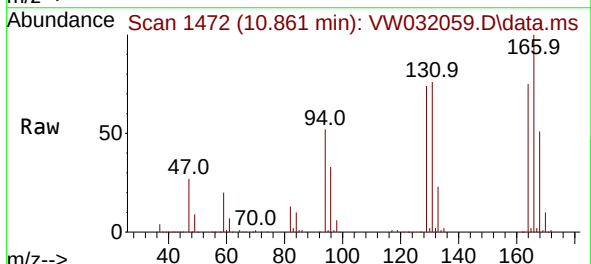
Instrument :
MSVOA_W
ClientSampleId :
ICVW081125

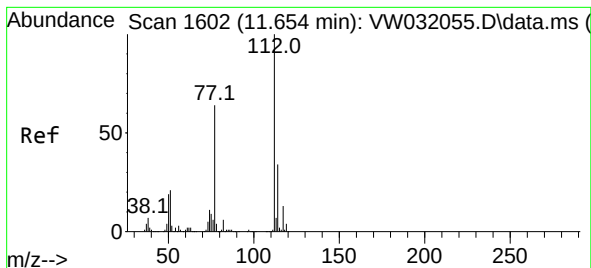
Tgt Ion:117 Resp: 386856
Ion Ratio Lower Upper
117 100
82 59.5 45.0 67.4
119 30.7 24.2 36.4



#64
Tetrachloroethene
Concen: 51.245 ug/l
RT: 10.861 min Scan# 1472
Delta R.T. -0.006 min
Lab File: VW032059.D
Acq: 11 Aug 2025 11:51

Tgt Ion:164 Resp: 114507
Ion Ratio Lower Upper
164 100
166 133.3 100.9 151.3
129 98.7 83.6 125.4
131 101.6 79.3 118.9





#65

Chlorobenzene

Concen: 49.461 ug/l

RT: 11.660 min Scan# 1

Delta R.T. 0.006 min

Lab File: VW032059.D

Acq: 11 Aug 2025 11:51

Instrument :

MSVOA_W

ClientSampleId :

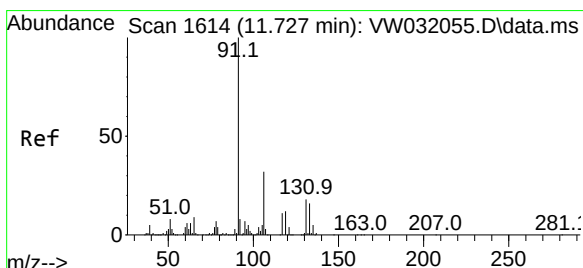
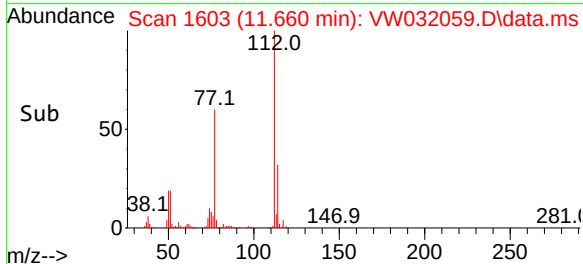
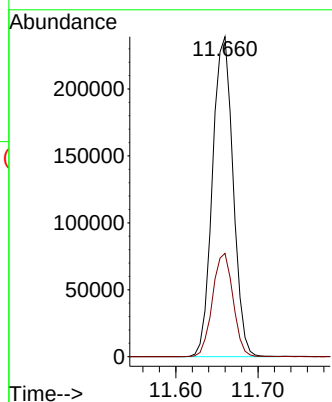
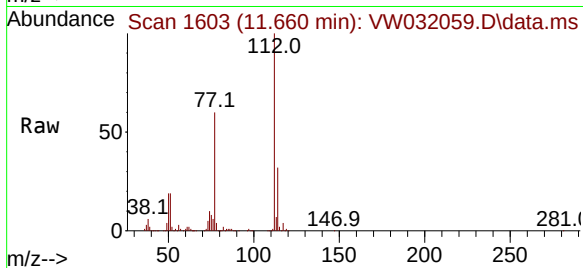
ICVW081125

Tgt Ion:112 Resp: 416485

Ion Ratio Lower Upper

112 100

114 32.3 26.9 40.3



#66

1,1,1,2-Tetrachloroethane

Concen: 50.324 ug/l

RT: 11.733 min Scan# 1615

Delta R.T. 0.006 min

Lab File: VW032059.D

Acq: 11 Aug 2025 11:51

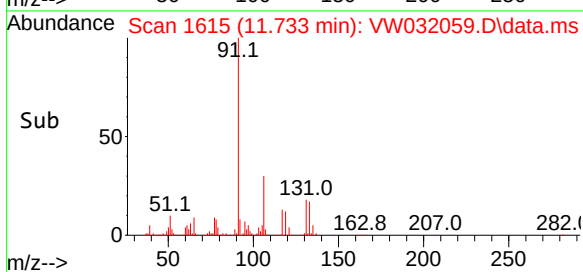
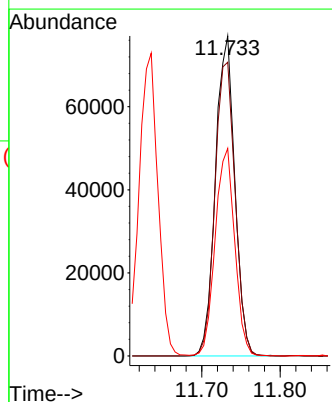
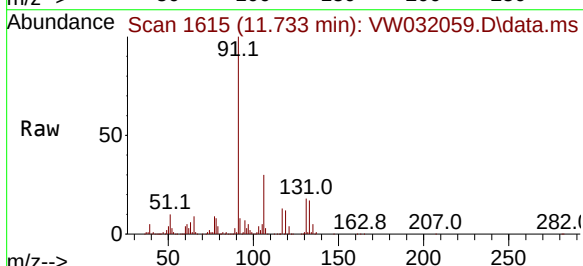
Tgt Ion:131 Resp: 132212

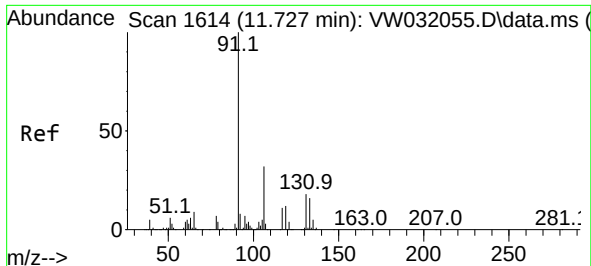
Ion Ratio Lower Upper

131 100

133 95.8 47.3 142.0

119 65.7 34.5 103.5

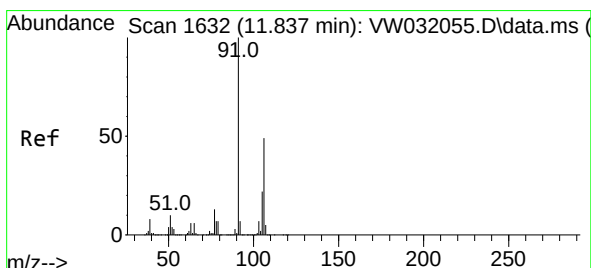
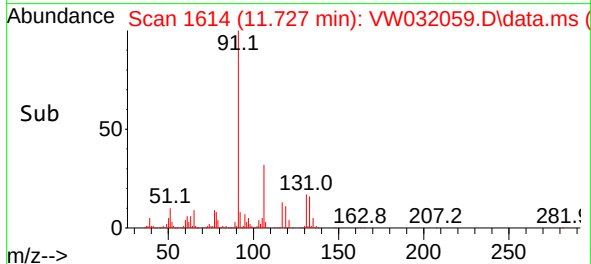
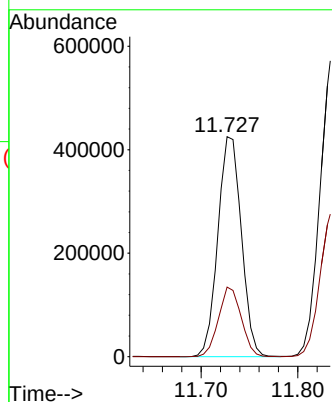
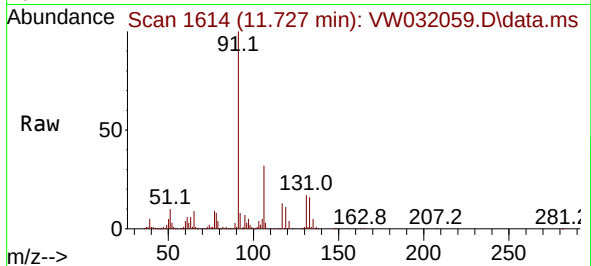




#67
Ethyl Benzene
Concen: 50.253 ug/l
RT: 11.727 min Scan# 1614
Delta R.T. -0.000 min
Lab File: VW032059.D
Acq: 11 Aug 2025 11:51

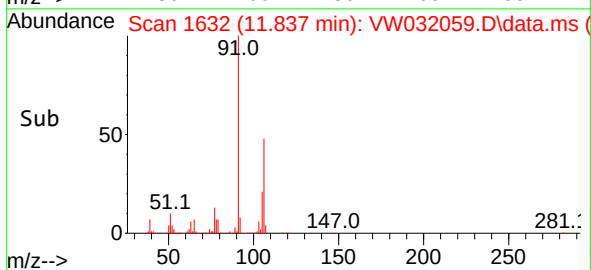
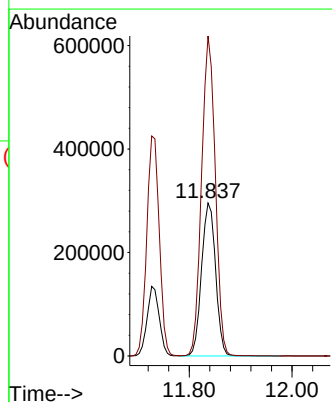
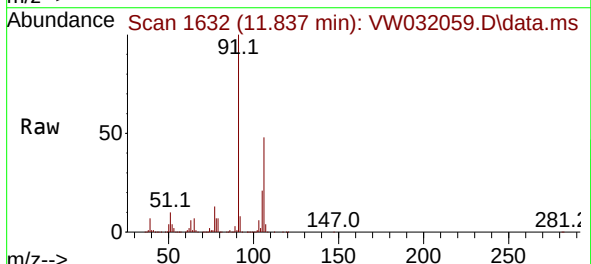
Instrument :
MSVOA_W
ClientSampleId :
ICVW081125

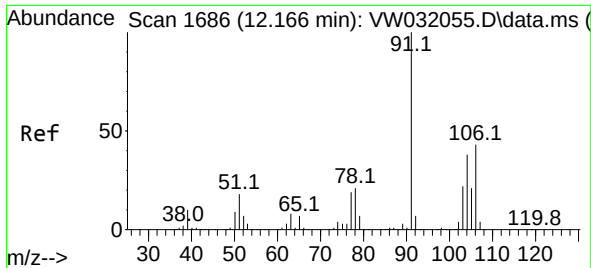
Tgt Ion: 91 Resp: 716757
Ion Ratio Lower Upper
91 100
106 31.6 25.4 38.0



#68
m/p-Xylenes
Concen: 101.607 ug/l
RT: 11.837 min Scan# 1632
Delta R.T. -0.000 min
Lab File: VW032059.D
Acq: 11 Aug 2025 11:51

Tgt Ion: 106 Resp: 559216
Ion Ratio Lower Upper
106 100
91 204.9 162.2 243.2

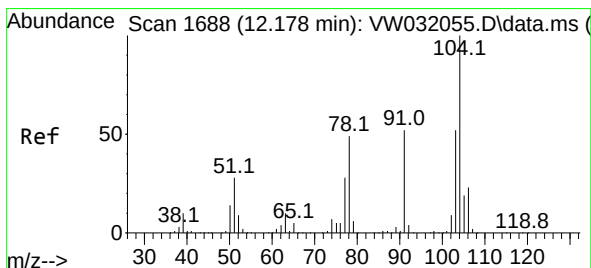
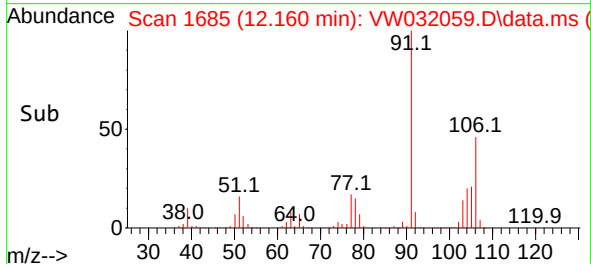
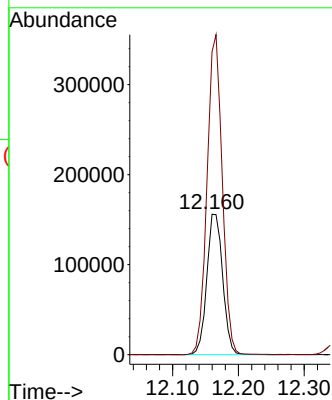
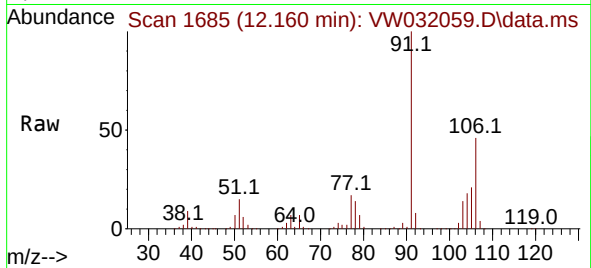




#69
o-Xylene
Concen: 51.416 ug/l
RT: 12.160 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW032059.D
Acq: 11 Aug 2025 11:51

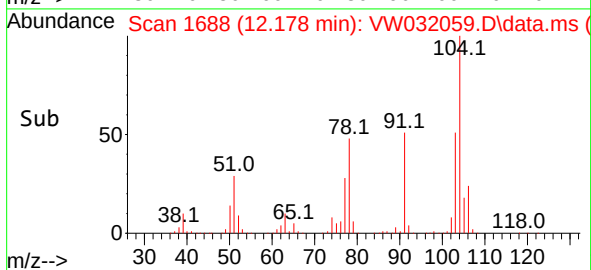
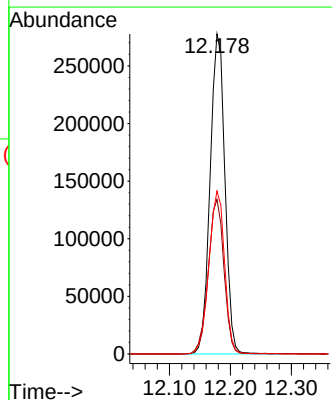
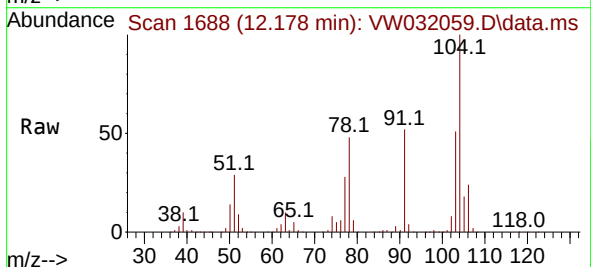
Instrument :
MSVOA_W
ClientSampleId :
ICVW081125

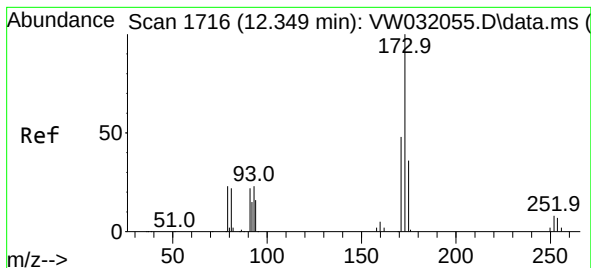
Tgt Ion:106 Resp: 261548
Ion Ratio Lower Upper
106 100
91 218.6 110.8 332.3



#70
Styrene
Concen: 51.833 ug/l
RT: 12.178 min Scan# 1688
Delta R.T. -0.000 min
Lab File: VW032059.D
Acq: 11 Aug 2025 11:51

Tgt Ion:104 Resp: 468335
Ion Ratio Lower Upper
104 100
78 51.2 41.2 61.8
103 53.9 43.8 65.8





#71

Bromoform

Concen: 54.945 ug/l

RT: 12.349 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW032059.D

Acq: 11 Aug 2025 11:51

Instrument :

MSVOA_W

ClientSampleId :

ICVW081125

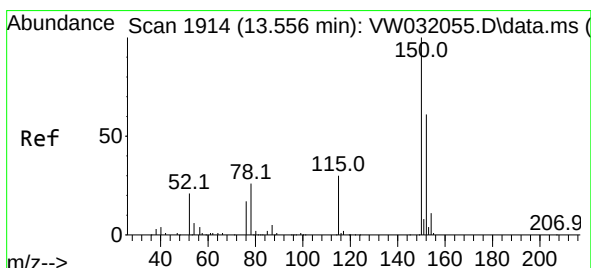
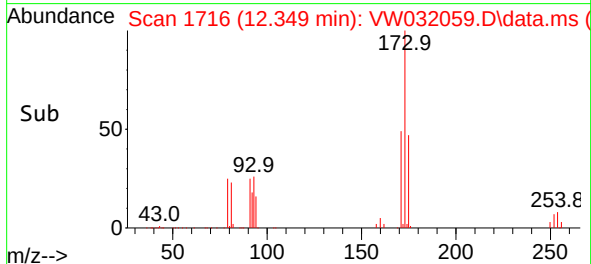
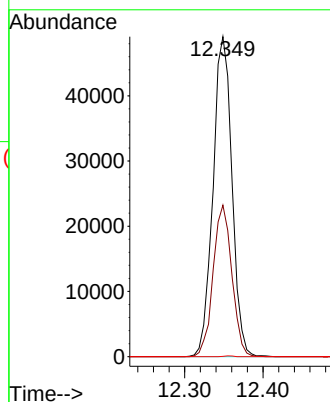
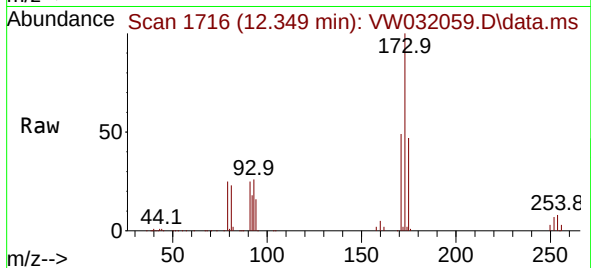
Tgt Ion:173 Resp: 82571

Ion Ratio Lower Upper

173 100

175 46.9 22.9 68.7

254 0.1 0.0 0.0#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.556 min Scan# 1914

Delta R.T. -0.000 min

Lab File: VW032059.D

Acq: 11 Aug 2025 11:51

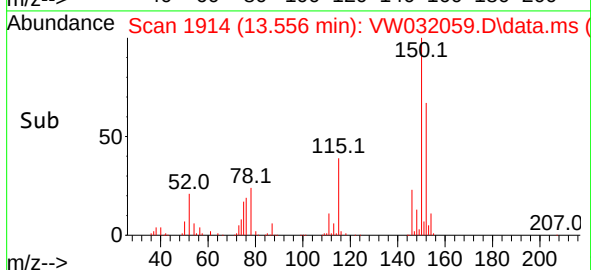
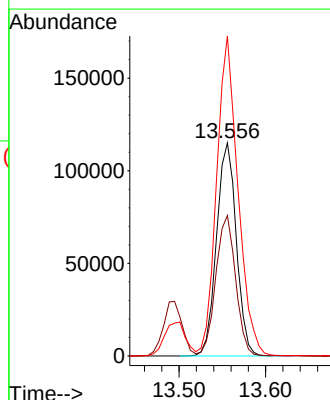
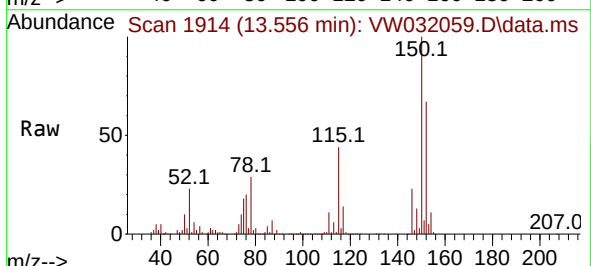
Tgt Ion:152 Resp: 182577

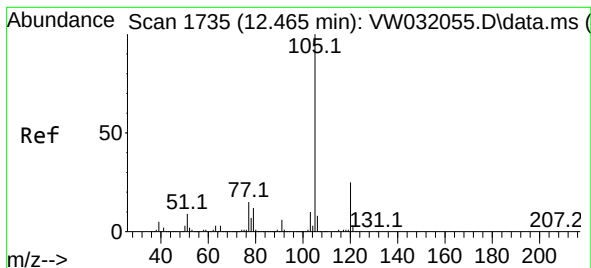
Ion Ratio Lower Upper

152 100

115 65.8 32.6 97.8

150 162.0 0.0 359.4





#73

Isopropylbenzene

Concen: 52.571 ug/l

RT: 12.458 min Scan# 1

Delta R.T. -0.006 min

Lab File: VW032059.D

Acq: 11 Aug 2025 11:51

Instrument :

MSVOA_W

ClientSampleId :

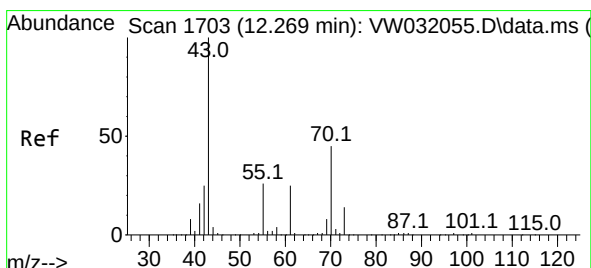
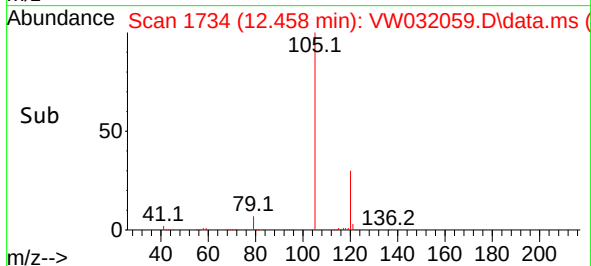
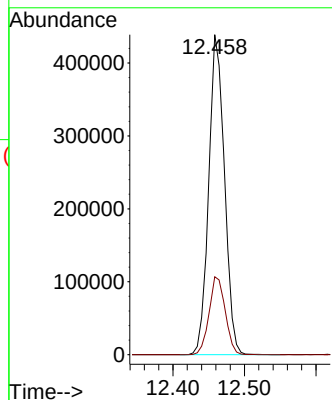
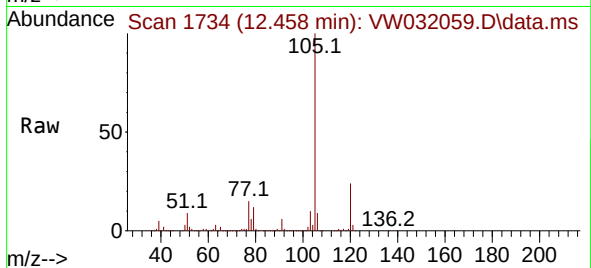
ICVW081125

Tgt Ion:105 Resp: 670779

Ion Ratio Lower Upper

105 100

120 25.0 12.8 38.4



#74

N-ethyl acetate

Concen: 55.682 ug/l

RT: 12.269 min Scan# 1703

Delta R.T. -0.000 min

Lab File: VW032059.D

Acq: 11 Aug 2025 11:51

Tgt Ion: 43 Resp: 203837

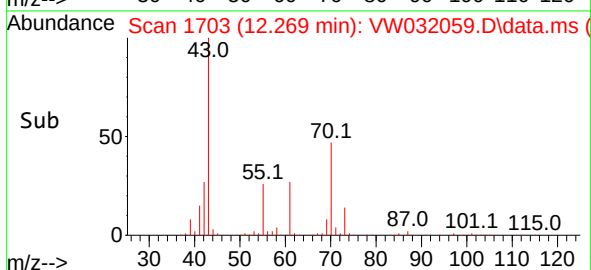
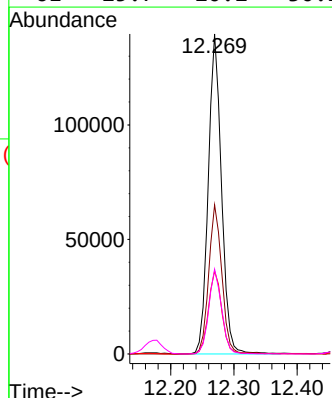
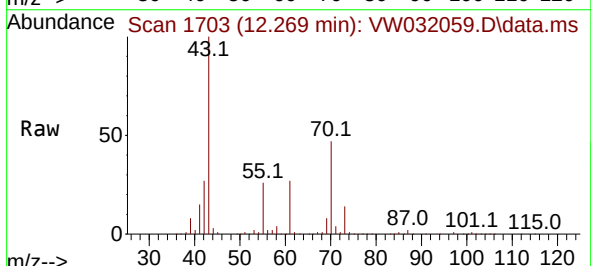
Ion Ratio Lower Upper

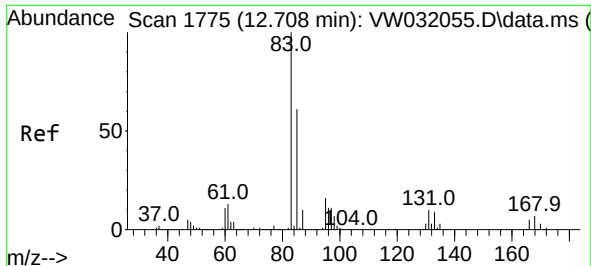
43 100

70 46.3 37.0 55.4

55 26.5 21.1 31.7

61 25.7 20.2 30.2

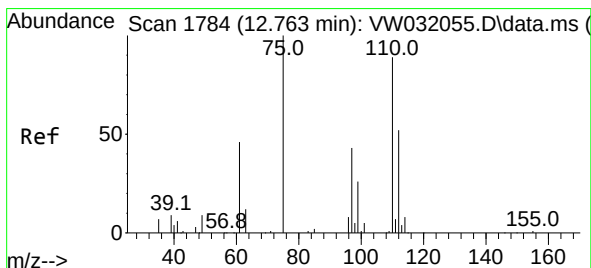
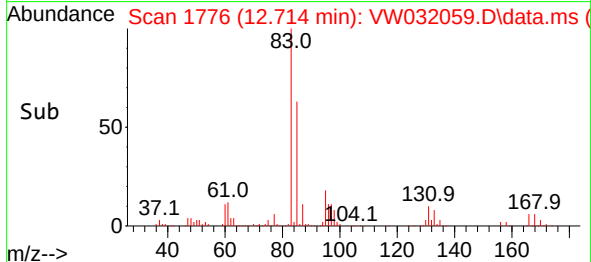
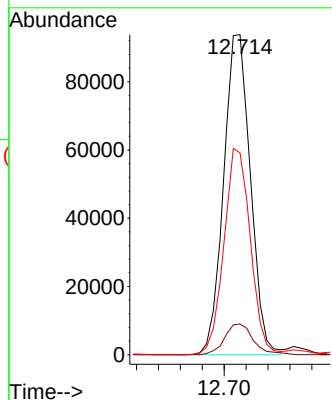
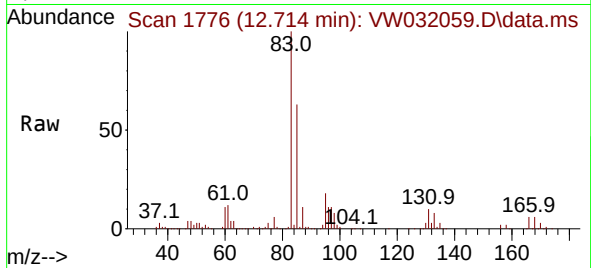




#75
1,1,2,2-Tetrachloroethane
Concen: 52.514 ug/l
RT: 12.714 min Scan# 1776
Delta R.T. 0.006 min
Lab File: VW032059.D
Acq: 11 Aug 2025 11:51

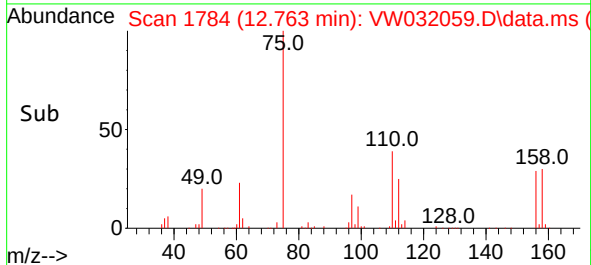
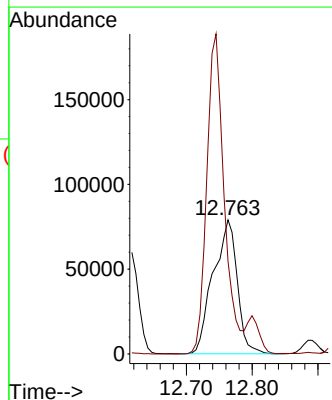
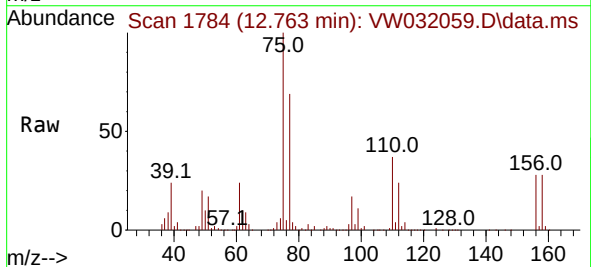
Instrument :
MSVOA_W
ClientSampleId :
ICVW081125

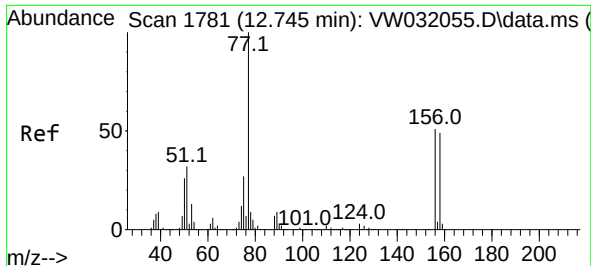
Tgt Ion: 83 Resp: 159092
Ion Ratio Lower Upper
83 100
131 10.2 5.1 15.4
85 63.5 32.2 96.6



#76
1,2,3-Trichloropropane
Concen: 81.178 ug/l
RT: 12.763 min Scan# 1784
Delta R.T. -0.000 min
Lab File: VW032059.D
Acq: 11 Aug 2025 11:51

Tgt Ion: 75 Resp: 201159
Ion Ratio Lower Upper
75 100
77 174.4 123.5 370.5

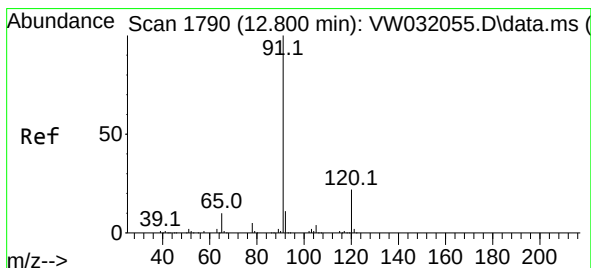
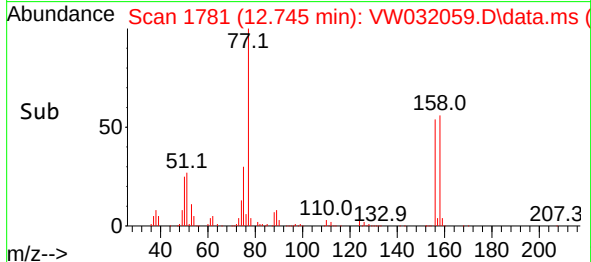
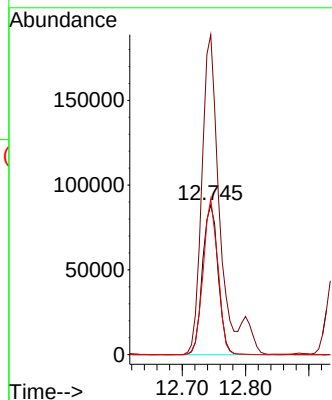
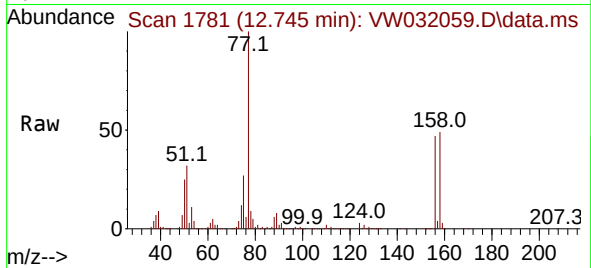




#77
Bromobenzene
Concen: 49.886 ug/l
RT: 12.745 min Scan# 1781
Delta R.T. -0.000 min
Lab File: VW032059.D
Acq: 11 Aug 2025 11:51

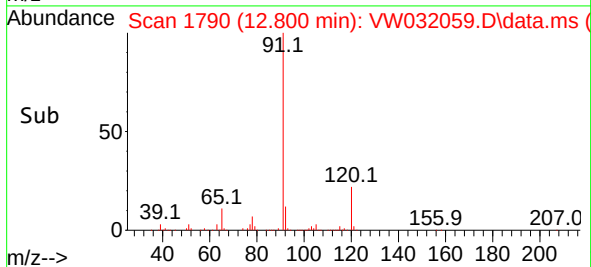
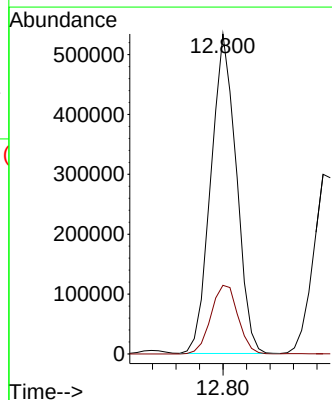
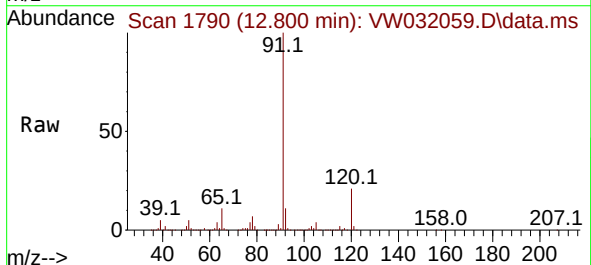
Instrument :
MSVOA_W
ClientSampleId :
ICVW081125

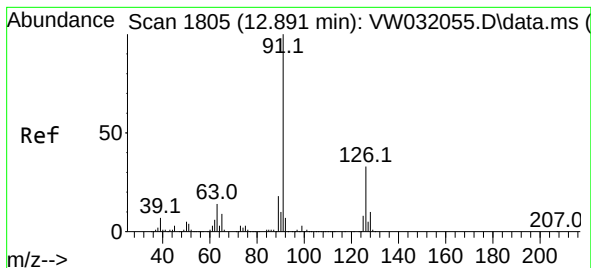
Tgt Ion:156 Resp: 152028
Ion Ratio Lower Upper
156 100
77 230.8 108.7 326.3
158 98.3 48.3 144.9



#78
n-propylbenzene
Concen: 51.148 ug/l
RT: 12.800 min Scan# 1790
Delta R.T. -0.000 min
Lab File: VW032059.D
Acq: 11 Aug 2025 11:51

Tgt Ion: 91 Resp: 803474
Ion Ratio Lower Upper
91 100
120 22.9 11.1 33.3

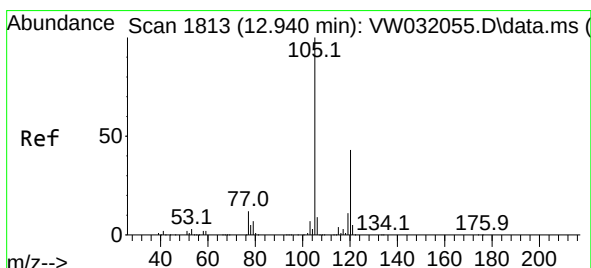
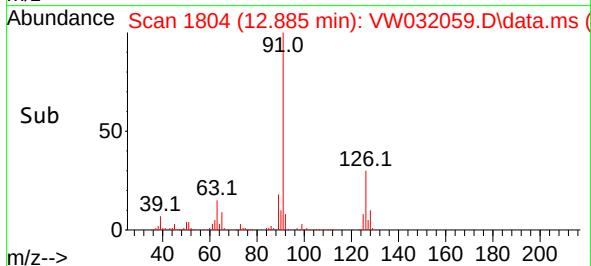
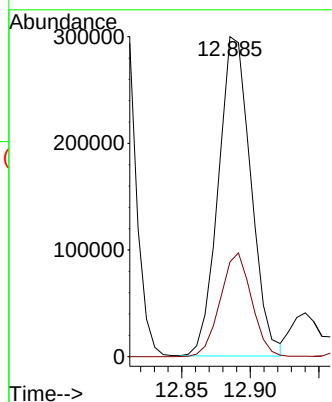
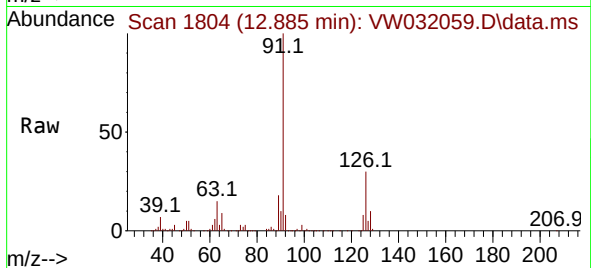




#79
2-Chlorotoluene
Concen: 51.114 ug/l
RT: 12.885 min Scan# 1804
Delta R.T. -0.006 min
Lab File: VW032059.D
Acq: 11 Aug 2025 11:51

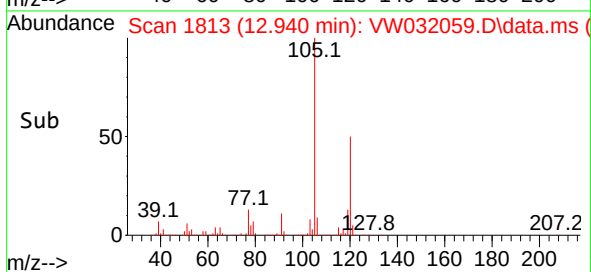
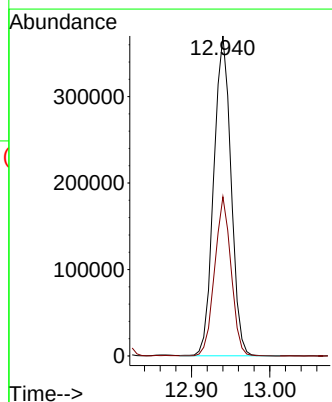
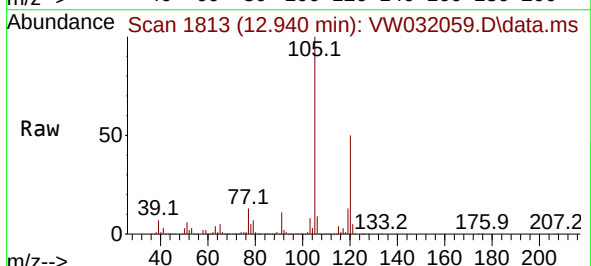
Instrument :
MSVOA_W
ClientSampleId :
ICVW081125

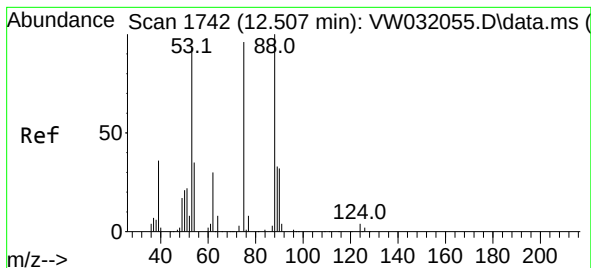
Tgt Ion: 91 Resp: 495562
Ion Ratio Lower Upper
91 100
126 31.3 15.9 47.7



#80
1,3,5-Trimethylbenzene
Concen: 52.291 ug/l
RT: 12.940 min Scan# 1813
Delta R.T. -0.000 min
Lab File: VW032059.D
Acq: 11 Aug 2025 11:51

Tgt Ion: 105 Resp: 566437
Ion Ratio Lower Upper
105 100
120 47.4 23.4 70.0

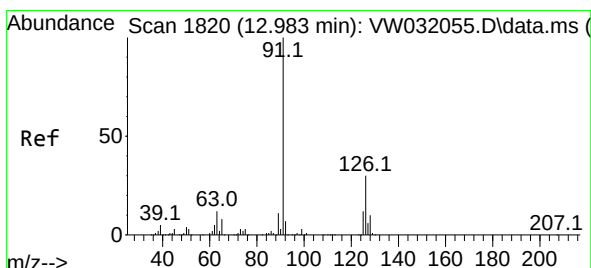
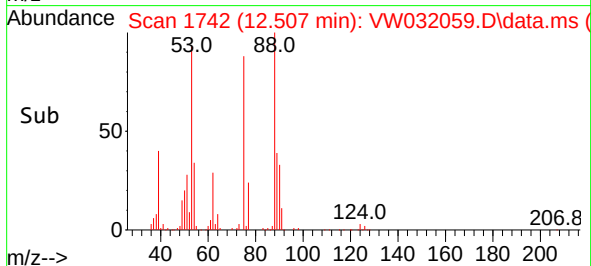
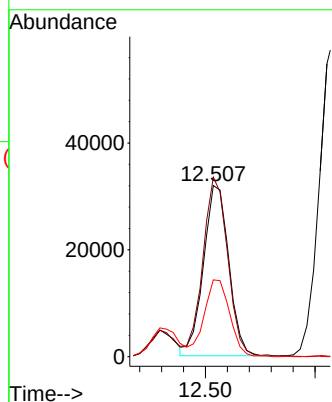
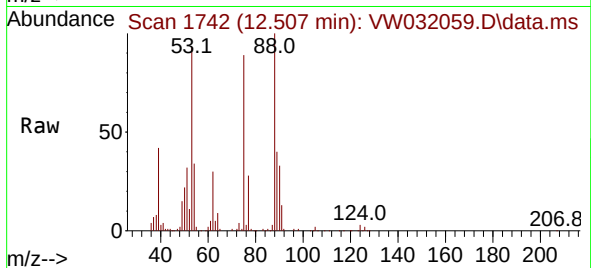




#81
trans-1,4-Dichloro-2-butene
Concen: 53.570 ug/l
RT: 12.507 min Scan# 1742
Delta R.T. -0.000 min
Lab File: VW032059.D
Acq: 11 Aug 2025 11:51

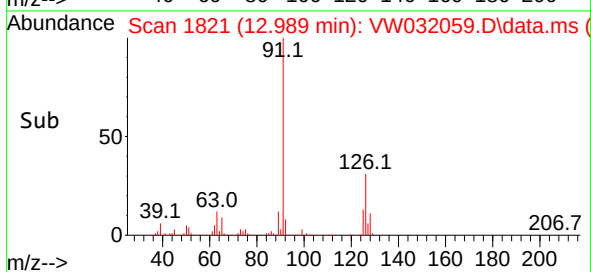
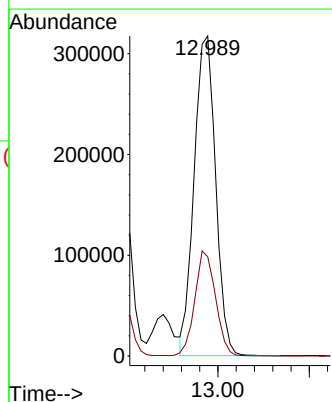
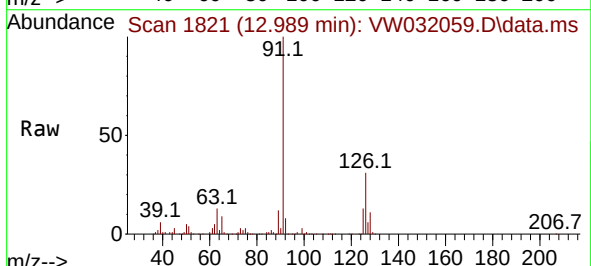
Instrument :
MSVOA_W
ClientSampleId :
ICVW081125

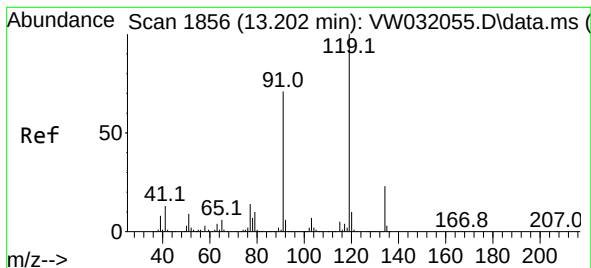
Tgt Ion:	75	Resp:	51275
Ion Ratio	Lower	Upper	
75	100		
53	104.4	81.0	121.6
89	45.7	37.3	55.9



#82
4-Chlorotoluene
Concen: 50.312 ug/l
RT: 12.989 min Scan# 1821
Delta R.T. 0.006 min
Lab File: VW032059.D
Acq: 11 Aug 2025 11:51

Tgt Ion:	91	Resp:	518248
Ion Ratio	Lower	Upper	
91	100		
126	31.7	15.5	46.5

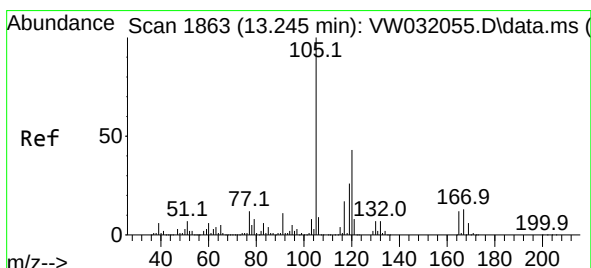
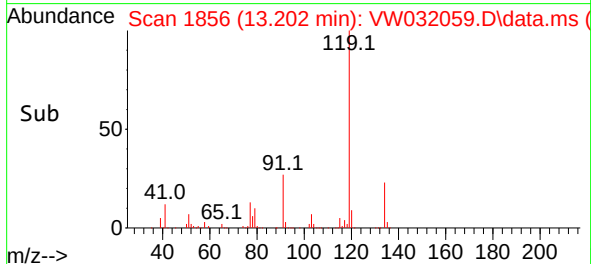
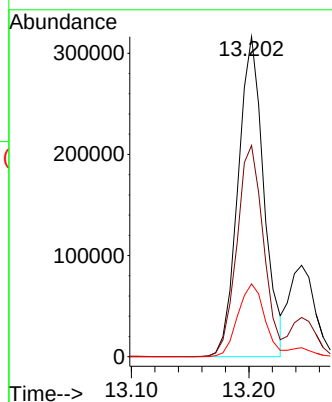
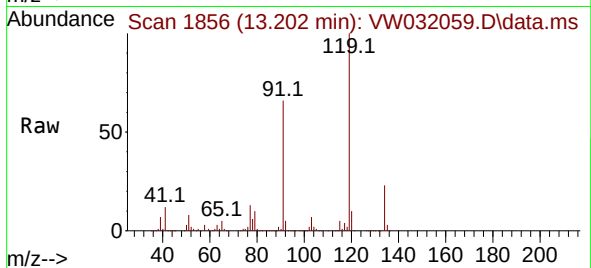




#83
tert-Butylbenzene
Concen: 53.777 ug/l
RT: 13.202 min Scan# 1856
Delta R.T. -0.000 min
Lab File: VW032059.D
Acq: 11 Aug 2025 11:51

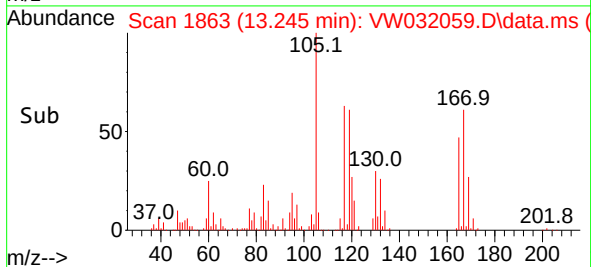
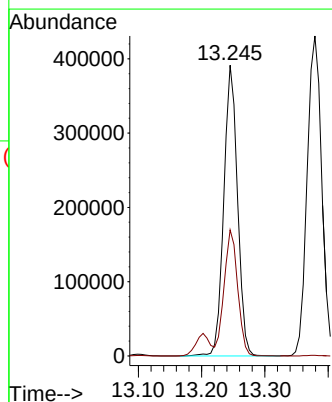
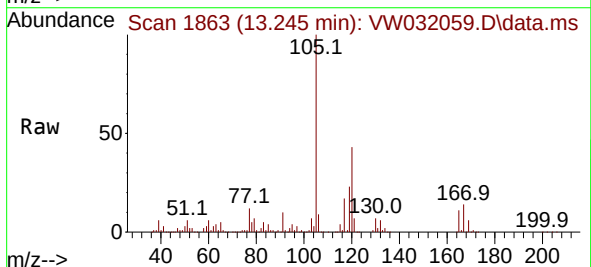
Instrument :
MSVOA_W
ClientSampleId :
ICVW081125

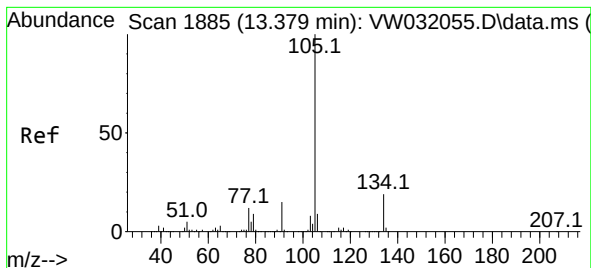
Tgt Ion:119 Resp: 483459
Ion Ratio Lower Upper
119 100
91 67.8 35.3 105.9
134 23.9 12.1 36.3



#84
1,2,4-Trimethylbenzene
Concen: 53.308 ug/l
RT: 13.245 min Scan# 1863
Delta R.T. -0.000 min
Lab File: VW032059.D
Acq: 11 Aug 2025 11:51

Tgt Ion:105 Resp: 587831
Ion Ratio Lower Upper
105 100
120 42.8 21.6 64.8

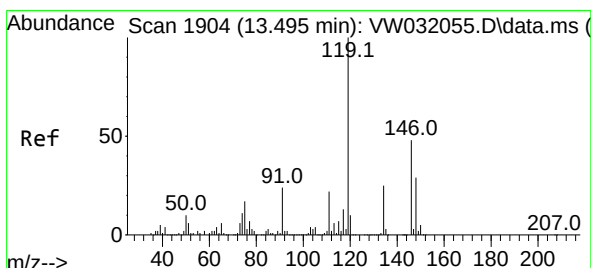
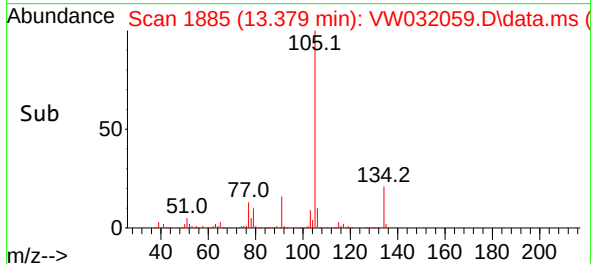
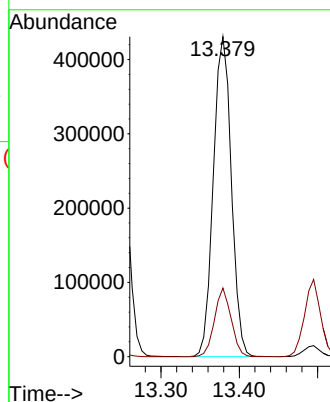
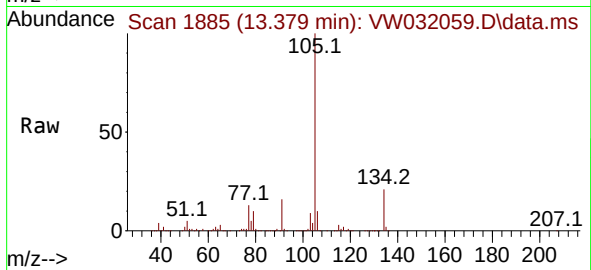




#85
 sec-Butylbenzene
 Concen: 50.571 ug/l
 RT: 13.379 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VW032059.D
 Acq: 11 Aug 2025 11:51

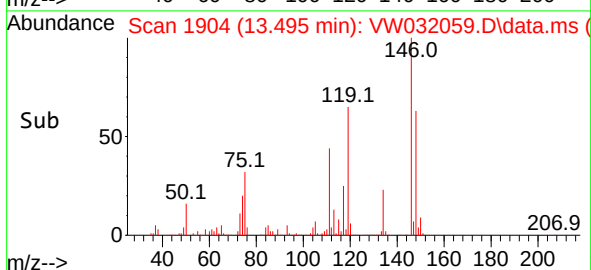
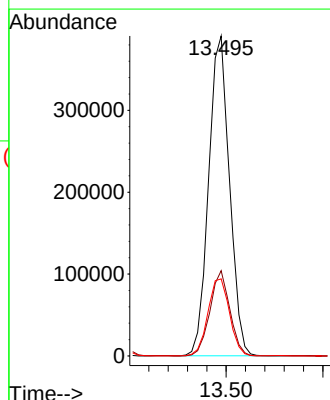
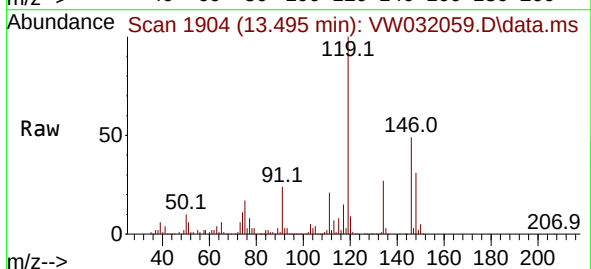
Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW081125

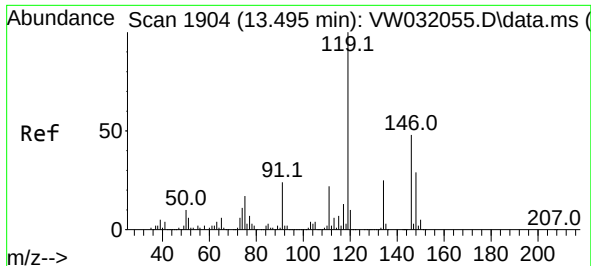
Tgt Ion:105 Resp: 687367
 Ion Ratio Lower Upper
 105 100
 134 19.8 9.9 29.7



#86
 p-Isopropyltoluene
 Concen: 51.580 ug/l
 RT: 13.495 min Scan# 1904
 Delta R.T. -0.000 min
 Lab File: VW032059.D
 Acq: 11 Aug 2025 11:51

Tgt Ion:119 Resp: 584473
 Ion Ratio Lower Upper
 119 100
 134 25.5 12.4 37.0
 91 24.9 12.1 36.3

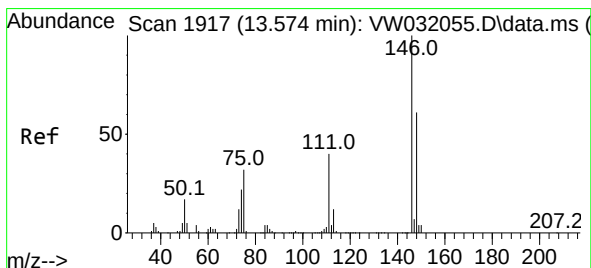
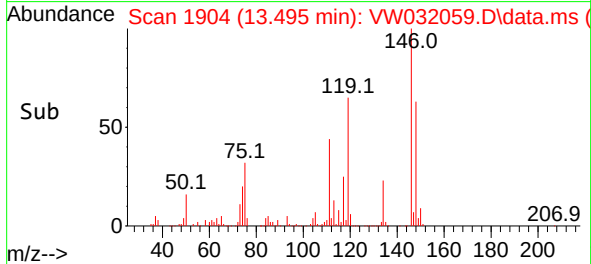
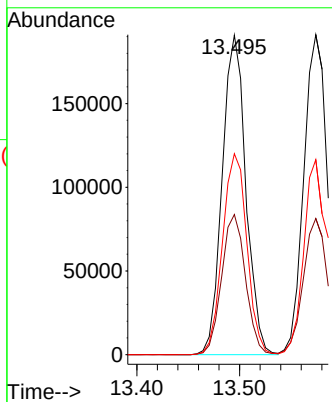
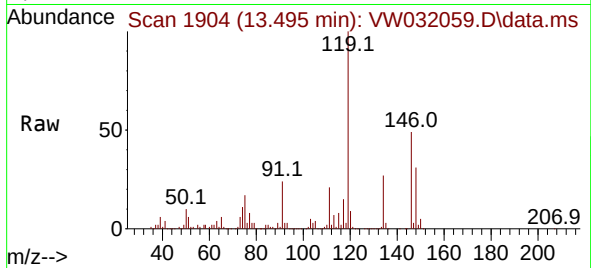




#87
1,3-Dichlorobenzene
Concen: 50.304 ug/l
RT: 13.495 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VW032059.D
Acq: 11 Aug 2025 11:51

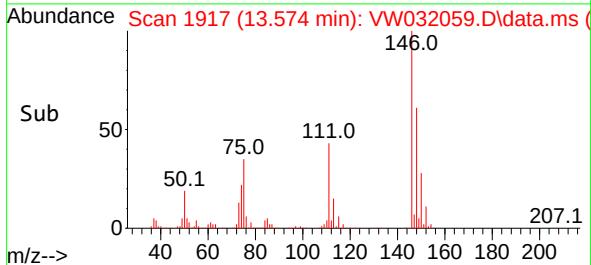
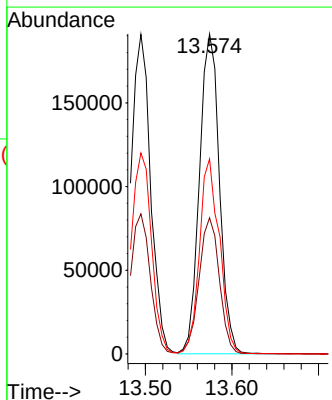
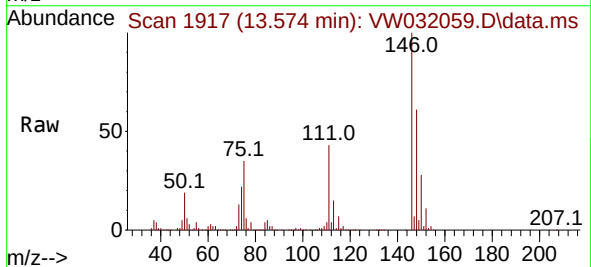
Instrument :
MSVOA_W
ClientSampleId :
ICVW081125

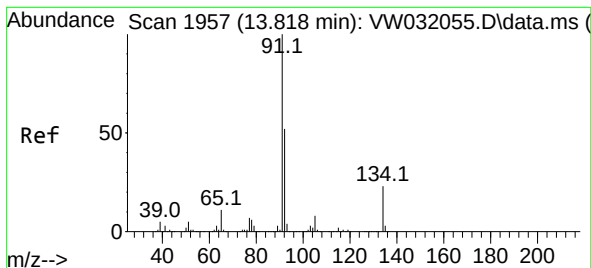
Tgt Ion:146 Resp: 305044
Ion Ratio Lower Upper
146 100
111 44.3 21.2 63.6
148 64.8 30.3 90.8



#88
1,4-Dichlorobenzene
Concen: 49.942 ug/l
RT: 13.574 min Scan# 1917
Delta R.T. -0.000 min
Lab File: VW032059.D
Acq: 11 Aug 2025 11:51

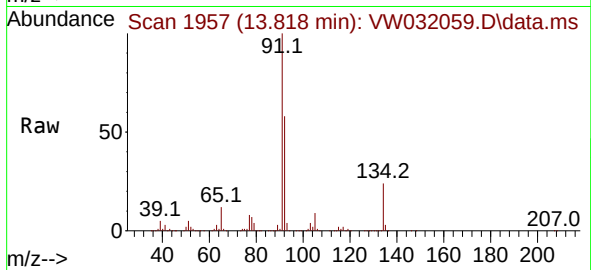
Tgt Ion:146 Resp: 306047
Ion Ratio Lower Upper
146 100
111 43.7 21.6 64.6
148 60.9 32.0 96.2



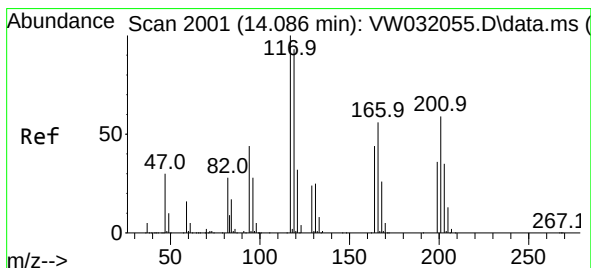
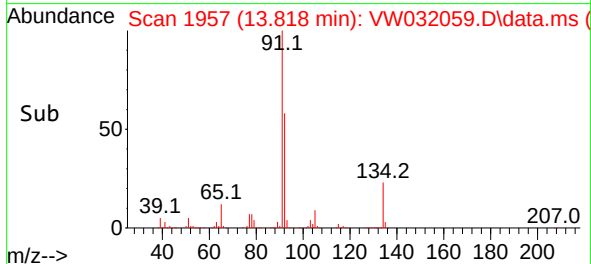
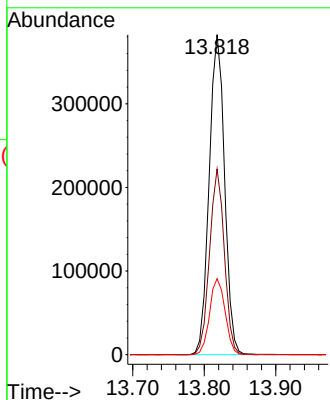


#89
n-Butylbenzene
Concen: 51.958 ug/l
RT: 13.818 min Scan# 1957
Delta R.T. -0.000 min
Lab File: VW032059.D
Acq: 11 Aug 2025 11:51

Instrument :
MSVOA_W
ClientSampleId :
ICVW081125

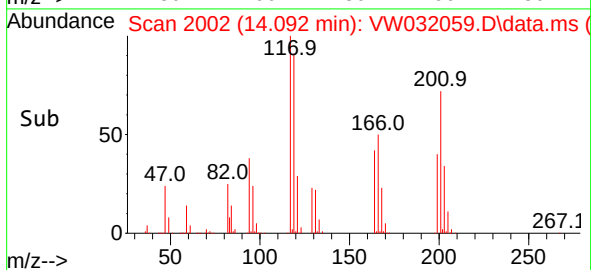
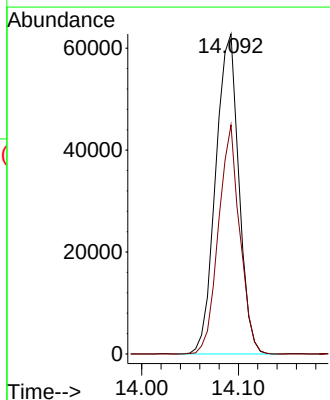
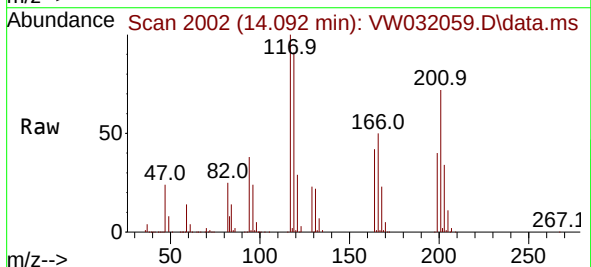


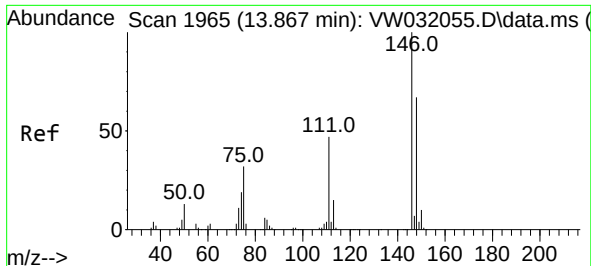
Tgt Ion: 91 Resp: 571978
Ion Ratio Lower Upper
91 100
92 55.7 26.7 80.1
134 23.9 12.0 36.1



#90
Hexachloroethane
Concen: 50.329 ug/l
RT: 14.092 min Scan# 2002
Delta R.T. 0.006 min
Lab File: VW032059.D
Acq: 11 Aug 2025 11:51

Tgt Ion: 117 Resp: 104295
Ion Ratio Lower Upper
117 100
201 65.9 30.9 92.5





#91

1,2-Dichlorobenzene

Concen: 50.926 ug/l

RT: 13.867 min Scan# 1965

Delta R.T. -0.000 min

Lab File: VW032059.D

Acq: 11 Aug 2025 11:51

Instrument :

MSVOA_W

ClientSampleId :

ICVW081125

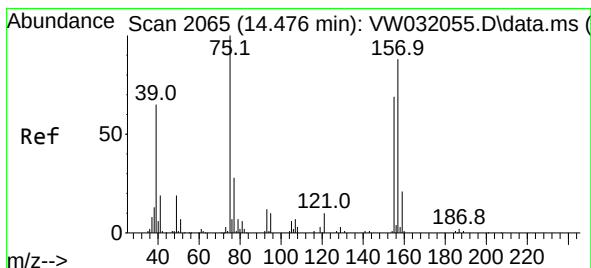
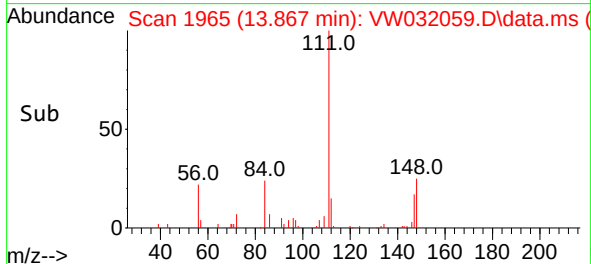
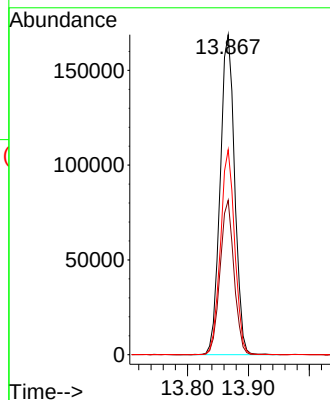
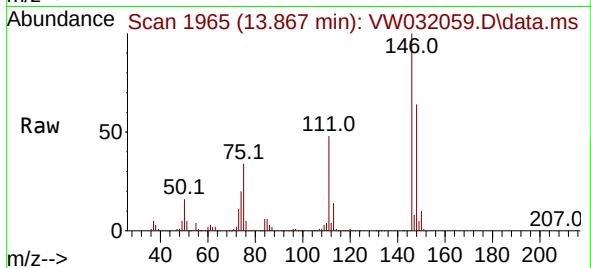
Tgt Ion:146 Resp: 279745

Ion Ratio Lower Upper

146 100

111 46.4 23.1 69.3

148 63.0 32.9 98.6



#92

1,2-Dibromo-3-Chloropropane

Concen: 53.872 ug/l

RT: 14.482 min Scan# 2066

Delta R.T. 0.006 min

Lab File: VW032059.D

Acq: 11 Aug 2025 11:51

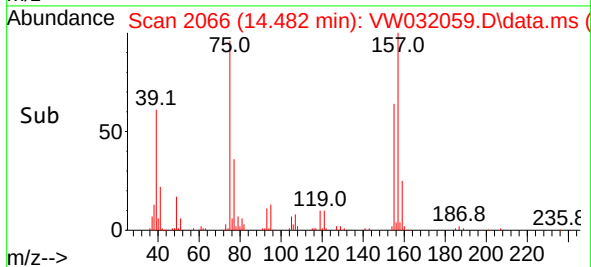
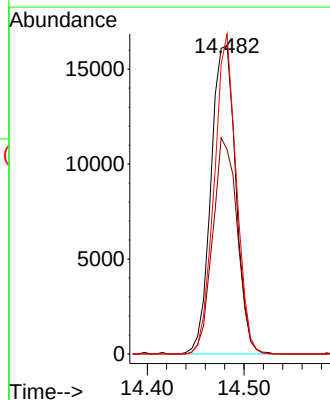
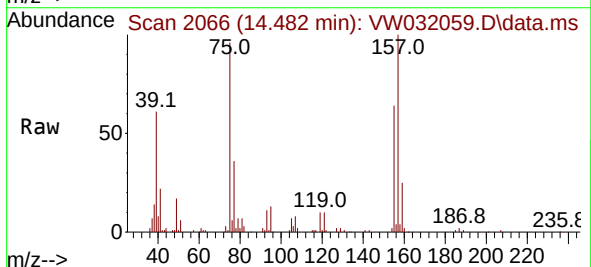
Tgt Ion: 75 Resp: 29014

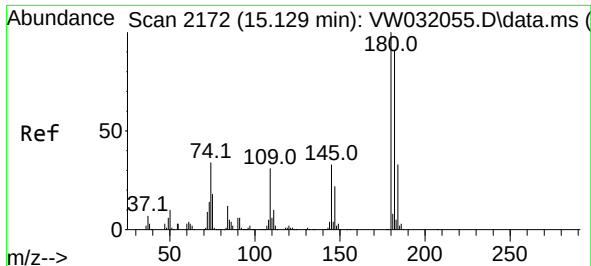
Ion Ratio Lower Upper

75 100

155 69.2 35.2 105.6

157 92.2 47.5 142.6

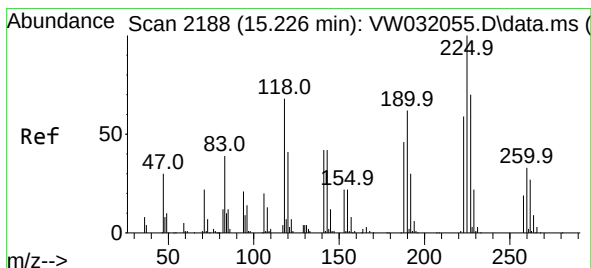
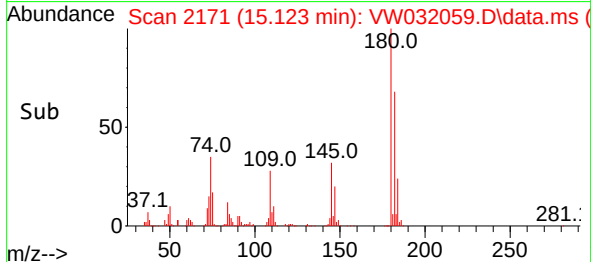
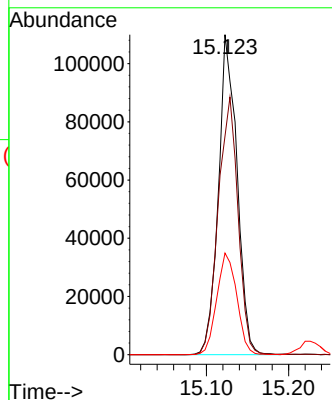
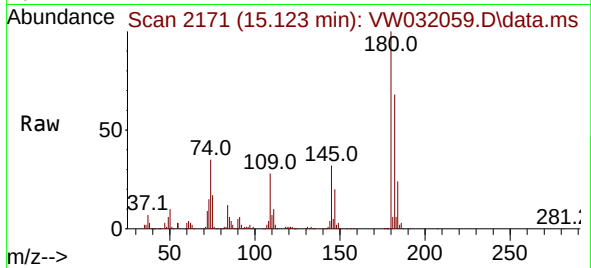




#93
1,2,4-Trichlorobenzene
Concen: 52.764 ug/l
RT: 15.123 min Scan# 2172
Delta R.T. -0.006 min
Lab File: VW032059.D
Acq: 11 Aug 2025 11:51

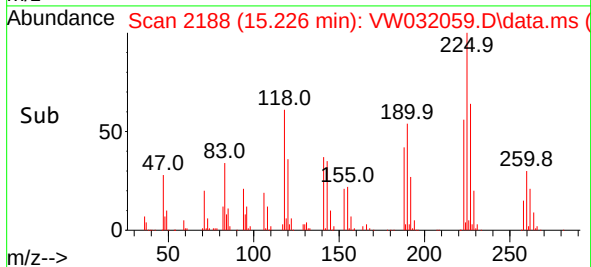
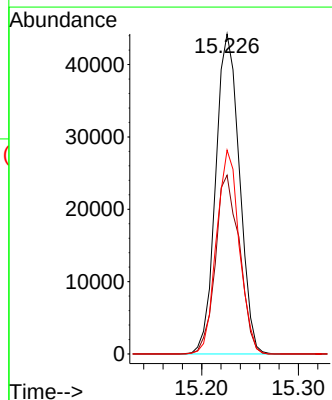
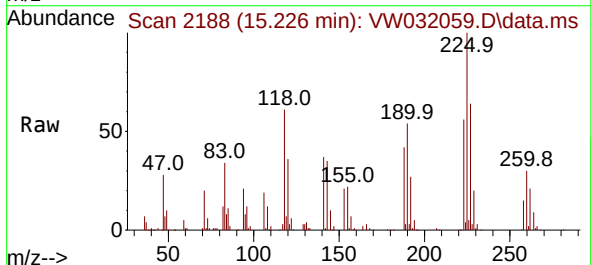
Instrument :
MSVOA_W
ClientSampleId :
ICVW081125

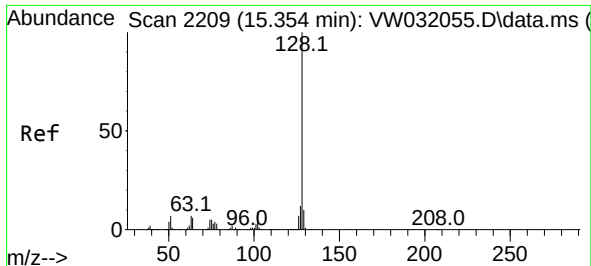
Tgt Ion:180 Resp: 173386
Ion Ratio Lower Upper
180 100
182 85.4 49.0 147.0
145 34.1 17.3 51.9



#94
Hexachlorobutadiene
Concen: 51.262 ug/l
RT: 15.226 min Scan# 2188
Delta R.T. -0.000 min
Lab File: VW032059.D
Acq: 11 Aug 2025 11:51

Tgt Ion:225 Resp: 75299
Ion Ratio Lower Upper
225 100
223 56.5 31.8 95.3
227 61.3 33.5 100.5

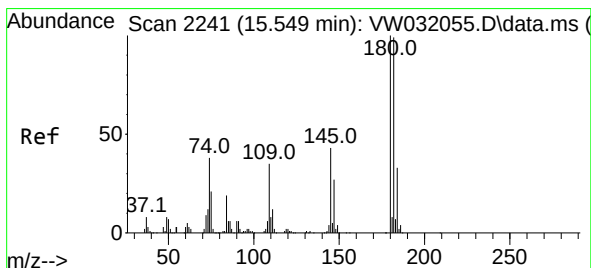
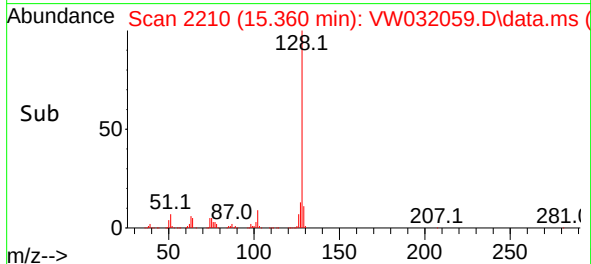
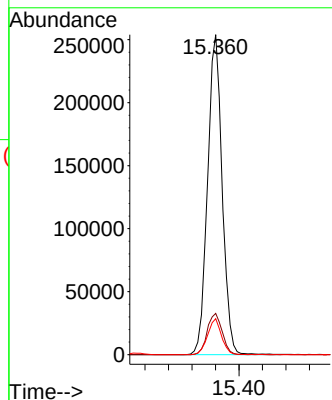
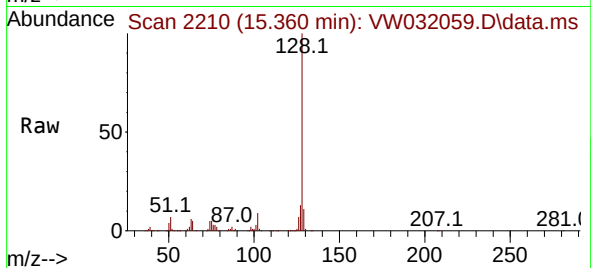




#95
Naphthalene
Concen: 54.415 ug/l
RT: 15.360 min Scan# 2210
Delta R.T. 0.006 min
Lab File: VW032059.D
Acq: 11 Aug 2025 11:51

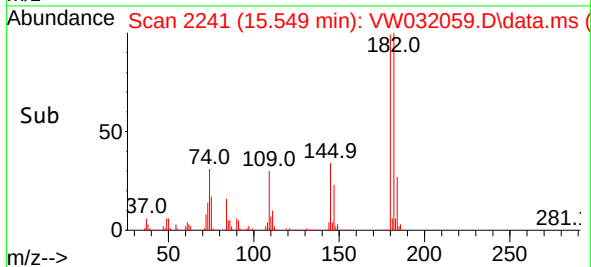
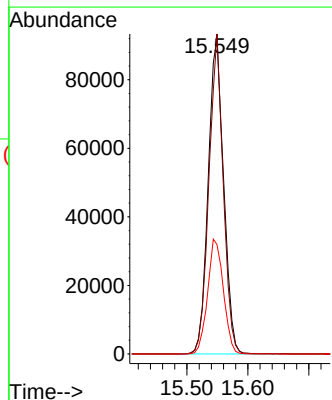
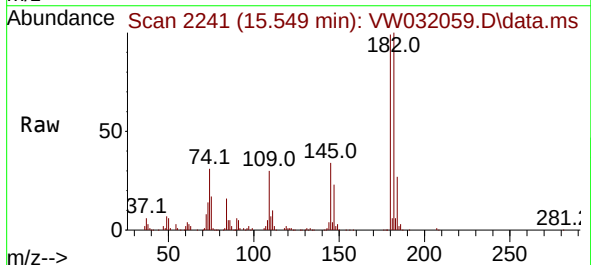
Instrument :
MSVOA_W
ClientSampleId :
ICVW081125

Tgt Ion:128 Resp: 438139
Ion Ratio Lower Upper
128 100
127 13.2 10.5 15.7
129 10.7 8.2 12.4



#96
1,2,3-Trichlorobenzene
Concen: 54.327 ug/l
RT: 15.549 min Scan# 2241
Delta R.T. -0.000 min
Lab File: VW032059.D
Acq: 11 Aug 2025 11:51

Tgt Ion:180 Resp: 162431
Ion Ratio Lower Upper
180 100
182 93.5 46.0 138.0
145 37.1 19.2 57.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
 Data File : VW032080.D
 Acq On : 14 Aug 2025 09:27
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Quant Time: Aug 18 03:44:57 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 12 04:04:48 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.959	168	209331	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	369087	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	337227	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	174813	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	152426	50.347	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	= 100.700%	
35) Dibromofluoromethane	7.904	113	127528	53.483	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	= 106.960%	
50) Toluene-d8	10.324	98	452920	51.355	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	= 102.720%	
62) 4-Bromofluorobenzene	12.617	95	163398	50.275	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	= 100.560%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	2.045	85	74536	49.784	ug/l	98
3) Chloromethane	2.253	50	89872	44.563	ug/l	95
4) Vinyl Chloride	2.405	62	116200	47.634	ug/l	98
5) Bromomethane	2.820	94	98568	53.858	ug/l	100
6) Chloroethane	2.972	64	82661	51.208	ug/l	98
7) Trichlorofluoromethane	3.307	101	112860	57.752	ug/l	96
8) Diethyl Ether	3.716	74	86491	54.020	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.106	101	127479	55.292	ug/l	96
10) Methyl Iodide	4.313	142	168357	51.502	ug/l	96
11) Tert butyl alcohol	5.222	59	47413	241.851	ug/l	100
12) 1,1-Dichloroethene	4.076	96	137220	54.052	ug/l	94
13) Acrolein	3.935	56	45869	146.845	ug/l	99
14) Allyl chloride	4.704	41	166676	45.111	ug/l #	87
15) Acrylonitrile	5.405	53	193220	253.370	ug/l	99
16) Acetone	4.161	43	207328	295.783	ug/l	97
17) Carbon Disulfide	4.423	76	306638	45.000	ug/l	97
18) Methyl Acetate	4.710	43	112047	50.516	ug/l	99
19) Methyl tert-butyl Ether	5.466	73	225122	50.329	ug/l	97
20) Methylene Chloride	4.960	84	139212	42.955	ug/l	98
21) trans-1,2-Dichloroethene	5.459	96	134920	50.080	ug/l	98
22) Diisopropyl ether	6.337	45	389232	49.971	ug/l	92
23) Vinyl Acetate	6.282	43	1373340	268.547	ug/l	99
24) 1,1-Dichloroethane	6.246	63	245164	49.263	ug/l	99
25) 2-Butanone	7.197	43	270175	271.199	ug/l	99
26) 2,2-Dichloropropane	7.185	77	124724	49.956	ug/l	99
27) cis-1,2-Dichloroethene	7.191	96	163086	51.787	ug/l	97
28) Bromochloromethane	7.532	49	106726	47.126	ug/l	97
29) Tetrahydrofuran	7.557	42	172032	261.846	ug/l	100
30) Chloroform	7.691	83	279930	53.058	ug/l	99
31) Cyclohexane	7.971	56	194201	45.011	ug/l	99
32) 1,1,1-Trichloroethane	7.886	97	196892	51.378	ug/l	99
36) 1,1-Dichloropropene	8.093	75	178210	53.016	ug/l	98
37) Ethyl Acetate	7.276	43	115111	58.145	ug/l	96
38) Carbon Tetrachloride	8.081	117	189059	58.281	ug/l	98
39) Methylcyclohexane	9.343	83	213123	52.018	ug/l	96
40) Benzene	8.337	78	563104	53.892	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
 Data File : VW032080.D
 Acq On : 14 Aug 2025 09:27
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Quant Time: Aug 18 03:44:57 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 12 04:04:48 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.502	41	67789	60.380	ug/l	95
42) 1,2-Dichloroethane	8.410	62	193320	57.820	ug/l	98
43) Isopropyl Acetate	8.435	43	208154	57.148	ug/l	98
44) Trichloroethene	9.105	130	139933	56.237	ug/l	89
45) 1,2-Dichloropropane	9.373	63	135567	53.705	ug/l	100
46) Dibromomethane	9.465	93	95991	58.920	ug/l	99
47) Bromodichloromethane	9.654	83	214831	57.226	ug/l	100
48) Methyl methacrylate	9.440	41	97630	55.521	ug/l #	88
49) 1,4-Dioxane	9.465	88	23861	1132.752	ug/l	98
51) 4-Methyl-2-Pentanone	10.215	43	613885	298.600	ug/l	96
52) Toluene	10.392	92	360912	54.839	ug/l	99
53) t-1,3-Dichloropropene	10.611	75	196142	55.768	ug/l	100
54) cis-1,3-Dichloropropene	10.074	75	219444	54.997	ug/l	93
55) 1,1,2-Trichloroethane	10.788	97	122561	56.613	ug/l	98
56) Ethyl methacrylate	10.648	69	164035	56.621	ug/l #	91
57) 1,3-Dichloropropane	10.934	76	206568	54.740	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.928	63	410338	256.070	ug/l	99
59) 2-Hexanone	10.971	43	431742	303.226	ug/l	96
60) Dibromochloromethane	11.129	129	149280	60.364	ug/l	99
61) 1,2-Dibromoethane	11.239	107	122248	58.108	ug/l	98
64) Tetrachloroethene	10.867	164	112551	57.783	ug/l	91
65) Chlorobenzene	11.660	112	410189	55.882	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.727	131	133382	58.241	ug/l	98
67) Ethyl Benzene	11.733	91	677681	54.505	ug/l	96
68) m/p-Xylenes	11.836	106	540433	112.646	ug/l	97
69) o-Xylene	12.166	106	257799	58.137	ug/l	97
70) Styrene	12.178	104	455535	57.835	ug/l	99
71) Bromoform	12.348	173	83619	63.831	ug/l #	99
73) Isopropylbenzene	12.464	105	639037	52.307	ug/l	99
74) N-amyl acetate	12.269	43	194883	55.601	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.714	83	151408	52.197	ug/l	99
76) 1,2,3-Trichloropropane	12.763	75	191760	80.822	ug/l	53
77) Bromobenzene	12.745	156	156846	53.753	ug/l	93
78) n-propylbenzene	12.800	91	803277	53.406	ug/l	100
79) 2-Chlorotoluene	12.891	91	475026	51.172	ug/l	98
80) 1,3,5-Trimethylbenzene	12.940	105	559898	53.983	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.507	75	46191	50.402	ug/l	91
82) 4-Chlorotoluene	12.989	91	510140	51.725	ug/l	97
83) tert-Butylbenzene	13.202	119	472615	54.905	ug/l	98
84) 1,2,4-Trimethylbenzene	13.245	105	560238	53.062	ug/l	98
85) sec-Butylbenzene	13.379	105	672760	51.695	ug/l	99
86) p-Isopropyltoluene	13.495	119	580472	53.502	ug/l	99
87) 1,3-Dichlorobenzene	13.495	146	326126	56.169	ug/l	98
88) 1,4-Dichlorobenzene	13.574	146	320333	54.595	ug/l	97
89) n-Butylbenzene	13.818	91	565150	53.618	ug/l	99
90) Hexachloroethane	14.086	117	102479	51.649	ug/l	96
91) 1,2-Dichlorobenzene	13.866	146	296975	56.464	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	14.482	75	27059	52.473	ug/l	96
93) 1,2,4-Trichlorobenzene	15.128	180	173211	55.052	ug/l	98
94) Hexachlorobutadiene	15.226	225	81528	57.968	ug/l	91
95) Naphthalene	15.360	128	444478	57.653	ug/l	99
96) 1,2,3-Trichlorobenzene	15.543	180	162937	56.917	ug/l	93

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
Data File : VW032080.D
Acq On : 14 Aug 2025 09:27
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Quant Time: Aug 18 03:44:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 12 04:04:48 2025
Response via : Initial Calibration

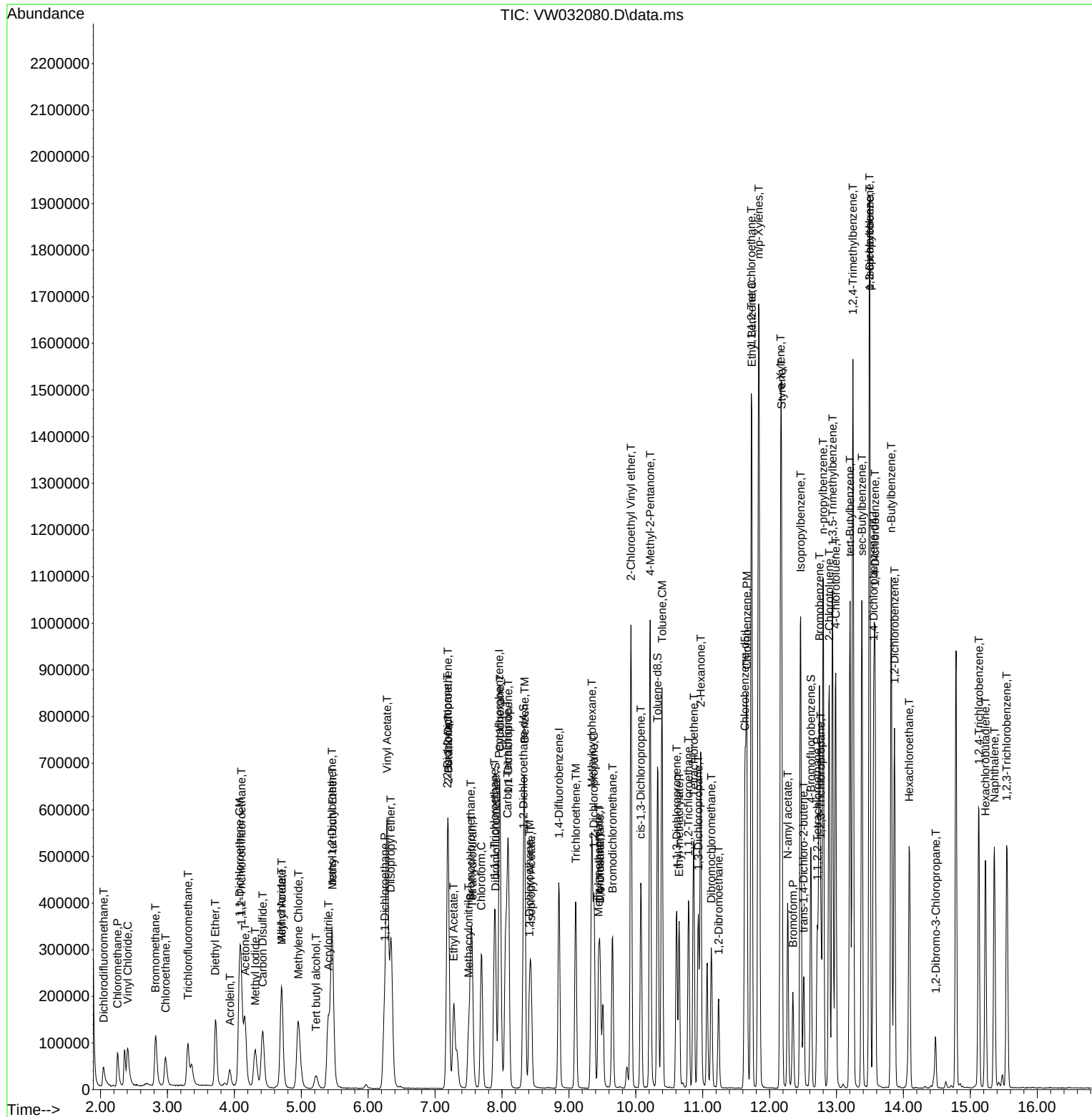
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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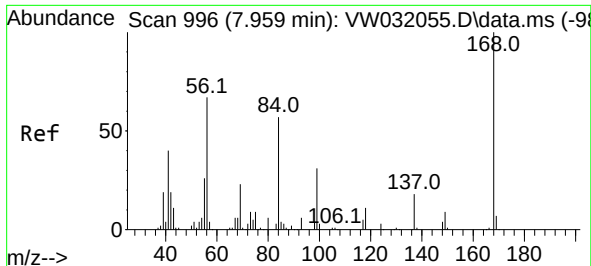
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
Data File : VW032080.D
Acq On : 14 Aug 2025 09:27
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Quant Time: Aug 18 03:44:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 12 04:04:48 2025
Response via : Initial Calibration

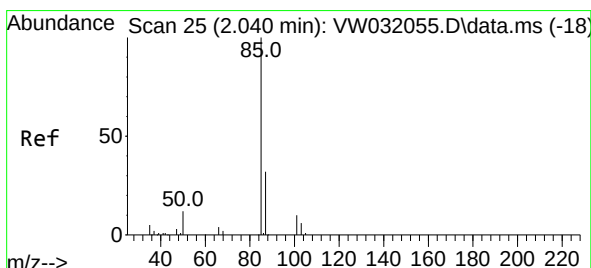
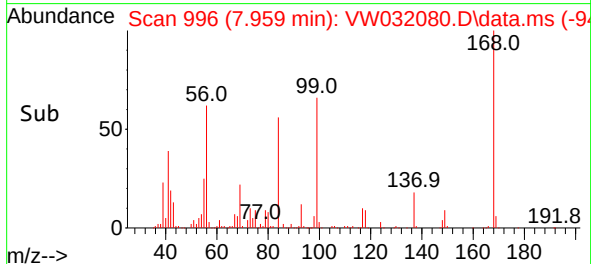
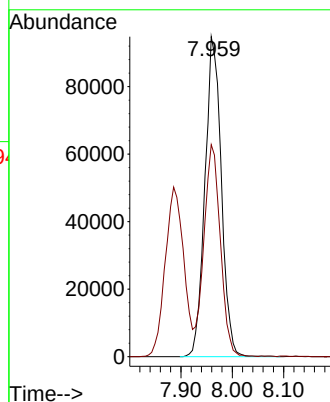
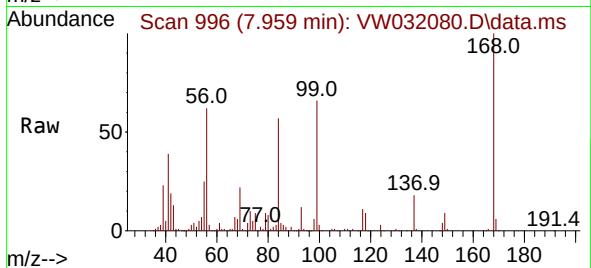




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 996
Delta R.T. 0.000 min
Lab File: VW032080.D
Acq: 14 Aug 2025 09:27

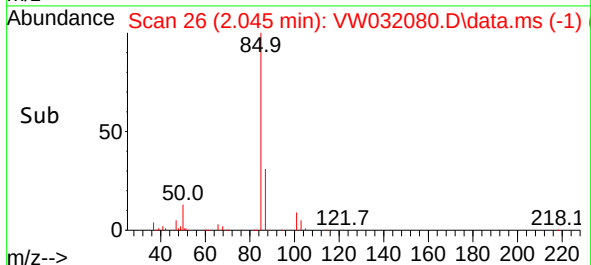
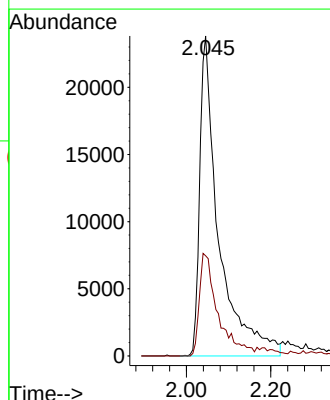
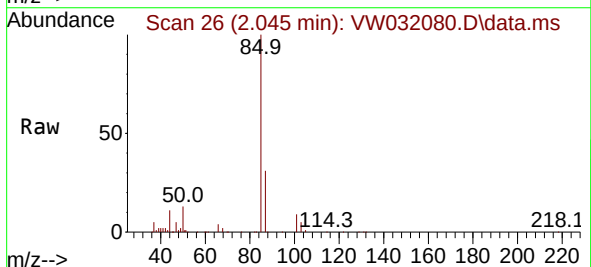
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

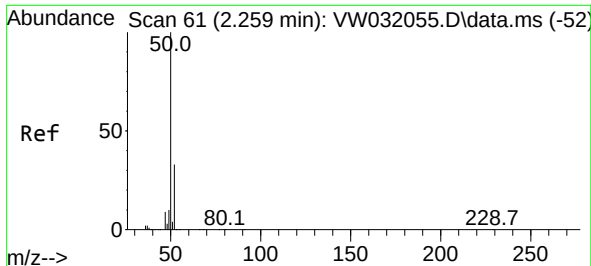
Tgt Ion:168 Resp: 209331
Ion Ratio Lower Upper
168 100
99 66.1 56.0 84.0



#2
Dichlorodifluoromethane
Concen: 49.784 ug/l
RT: 2.045 min Scan# 26
Delta R.T. 0.006 min
Lab File: VW032080.D
Acq: 14 Aug 2025 09:27

Tgt Ion: 85 Resp: 74536
Ion Ratio Lower Upper
85 100
87 31.3 16.2 48.6

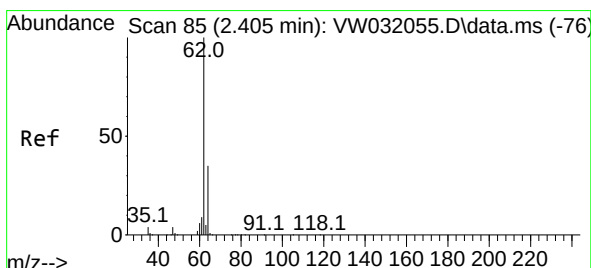
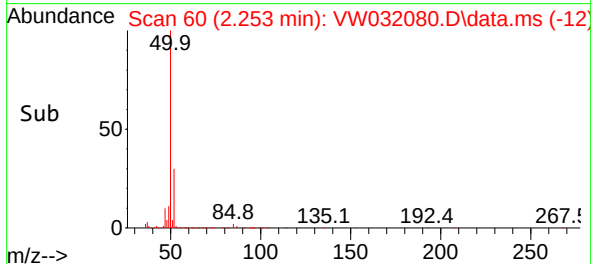
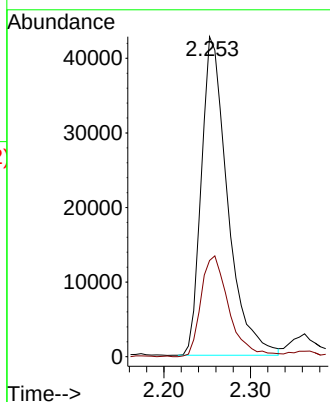
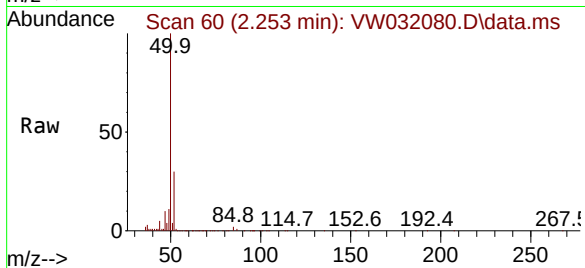




#3
Chloromethane
Concen: 44.563 ug/l
RT: 2.253 min Scan# 60
Delta R.T. -0.006 min
Lab File: VW032080.D
Acq: 14 Aug 2025 09:27

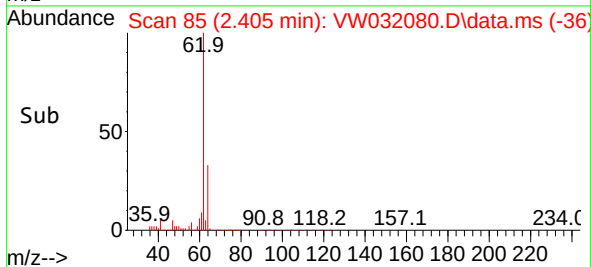
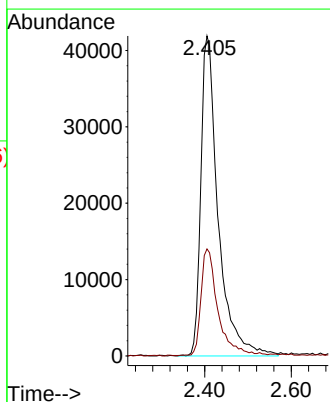
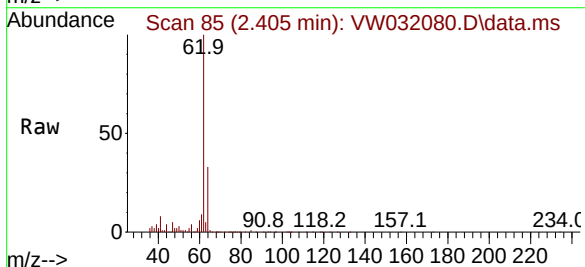
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

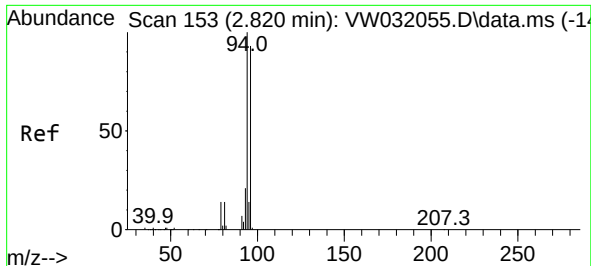
Tgt Ion: 50 Resp: 89872
Ion Ratio Lower Upper
50 100
52 30.2 26.6 39.8



#4
Vinyl Chloride
Concen: 47.634 ug/l
RT: 2.405 min Scan# 85
Delta R.T. -0.000 min
Lab File: VW032080.D
Acq: 14 Aug 2025 09:27

Tgt Ion: 62 Resp: 116200
Ion Ratio Lower Upper
62 100
64 33.3 27.8 41.6

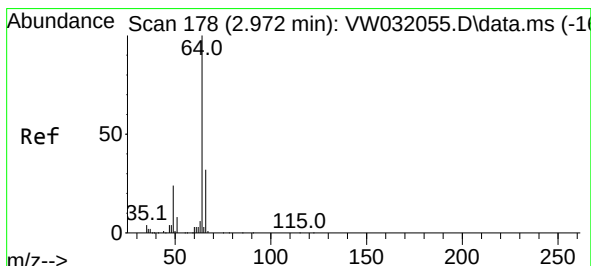
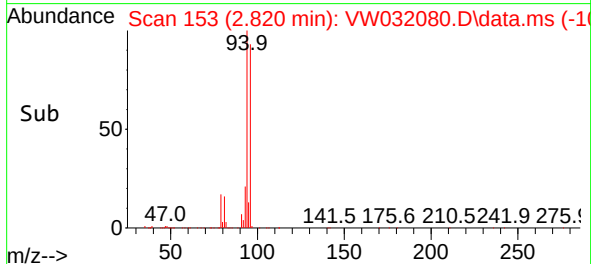
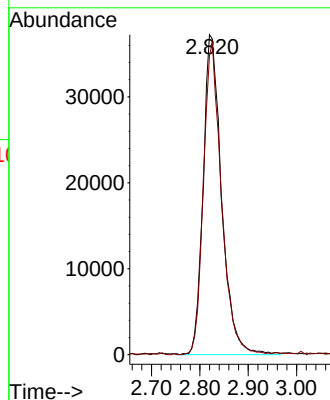
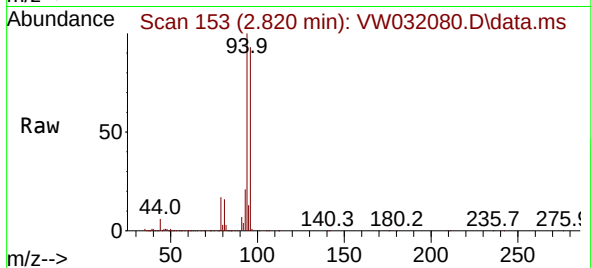




#5
Bromomethane
Concen: 53.858 ug/l
RT: 2.820 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW032080.D
Acq: 14 Aug 2025 09:27

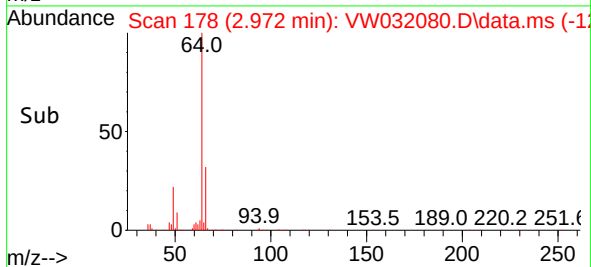
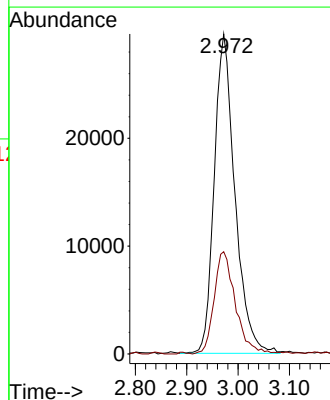
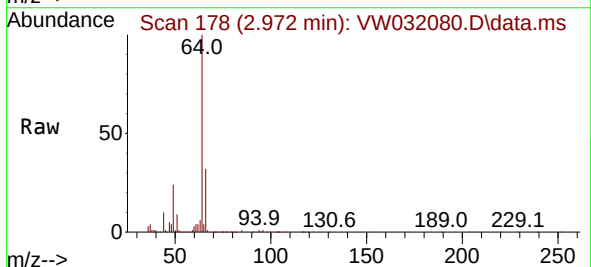
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

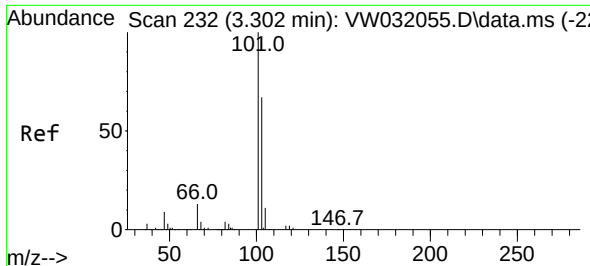
Tgt Ion: 94 Resp: 98568
Ion Ratio Lower Upper
94 100
96 93.5 74.7 112.1



#6
Chloroethane
Concen: 51.208 ug/l
RT: 2.972 min Scan# 178
Delta R.T. -0.000 min
Lab File: VW032080.D
Acq: 14 Aug 2025 09:27

Tgt Ion: 64 Resp: 82661
Ion Ratio Lower Upper
64 100
66 31.5 26.0 39.0

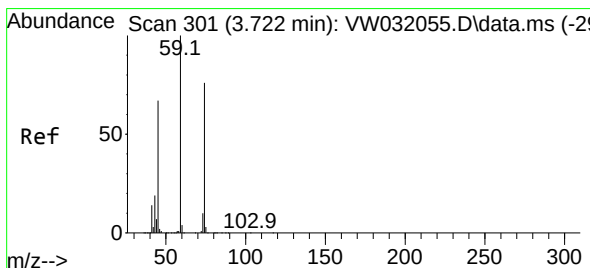
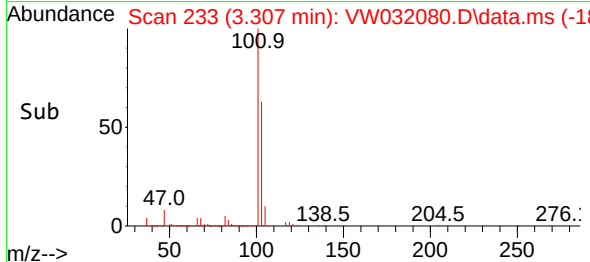
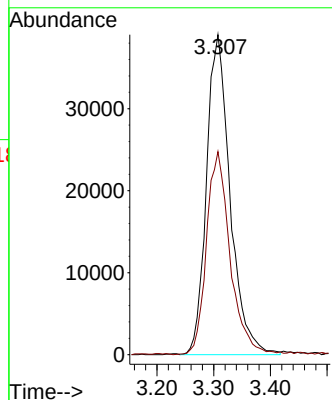
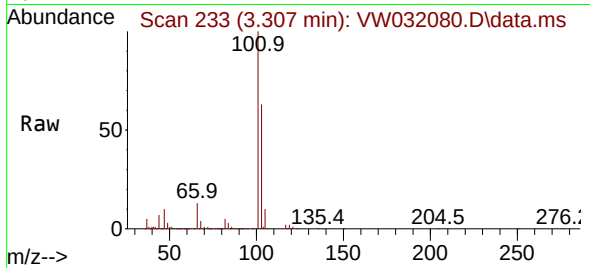




#7
 Trichlorofluoromethane
 Concen: 57.752 ug/l
 RT: 3.307 min Scan# 211
 Delta R.T. 0.006 min
 Lab File: VW032080.D
 Acq: 14 Aug 2025 09:27

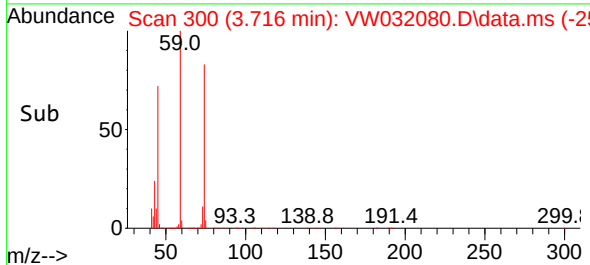
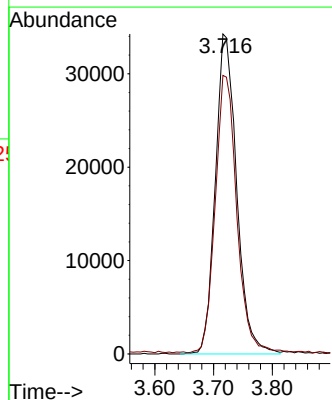
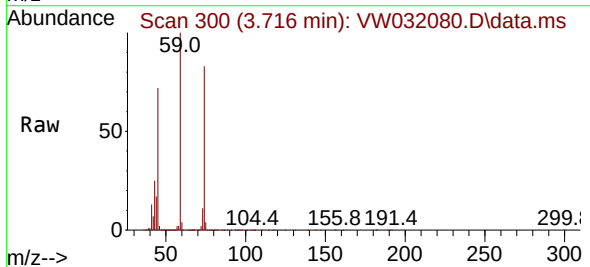
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

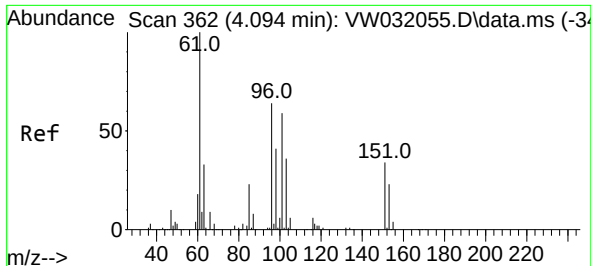
Tgt Ion:101 Resp: 112860
 Ion Ratio Lower Upper
 101 100
 103 63.4 53.4 80.0



#8
 Diethyl Ether
 Concen: 54.020 ug/l
 RT: 3.716 min Scan# 300
 Delta R.T. -0.006 min
 Lab File: VW032080.D
 Acq: 14 Aug 2025 09:27

Tgt Ion: 74 Resp: 86491
 Ion Ratio Lower Upper
 74 100
 45 87.3 45.4 136.2

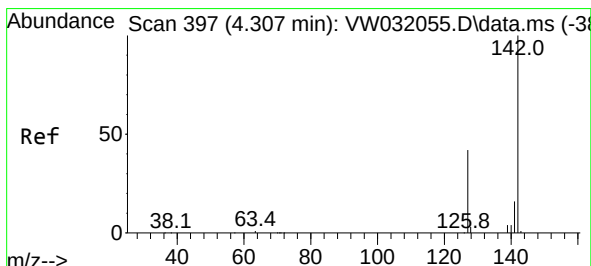
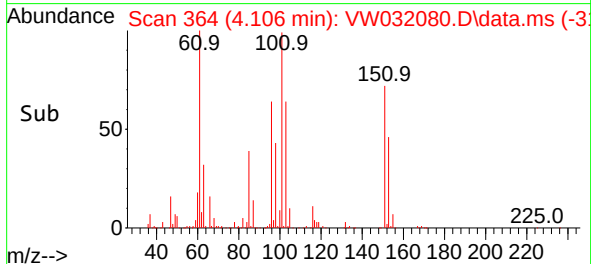
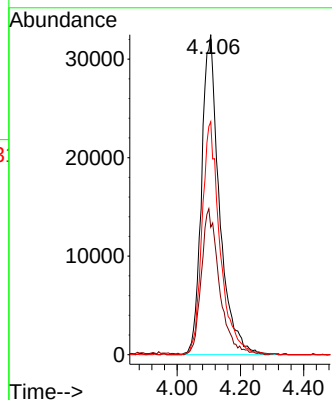
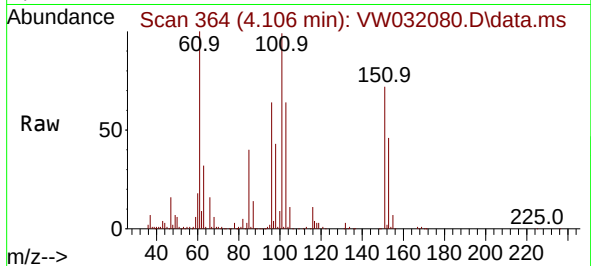




#9
1,1,2-Trichlorotrifluoroethane
Concen: 55.292 ug/l
RT: 4.106 min Scan# 30
Delta R.T. 0.012 min
Lab File: VW032080.D
Acq: 14 Aug 2025 09:27

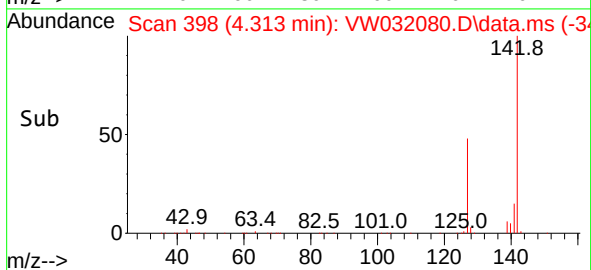
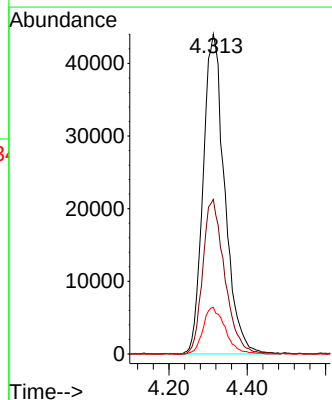
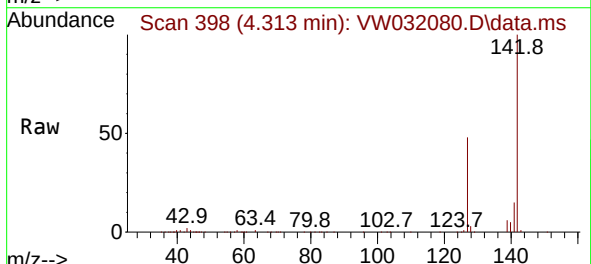
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

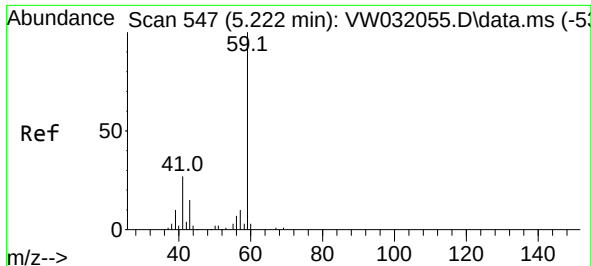
Tgt Ion:101 Resp: 127479
Ion Ratio Lower Upper
101 100
85 46.3 34.9 52.3
151 73.3 56.2 84.4



#10
Methyl Iodide
Concen: 51.502 ug/l
RT: 4.313 min Scan# 398
Delta R.T. 0.006 min
Lab File: VW032080.D
Acq: 14 Aug 2025 09:27

Tgt Ion:142 Resp: 168357
Ion Ratio Lower Upper
142 100
127 49.1 36.6 55.0
141 14.9 12.1 18.1

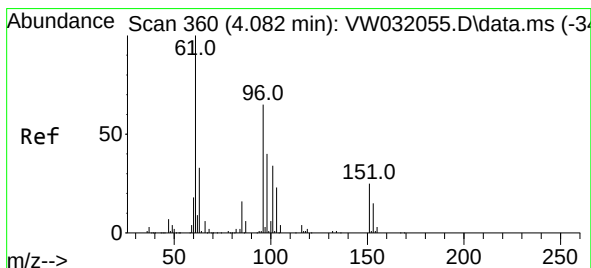
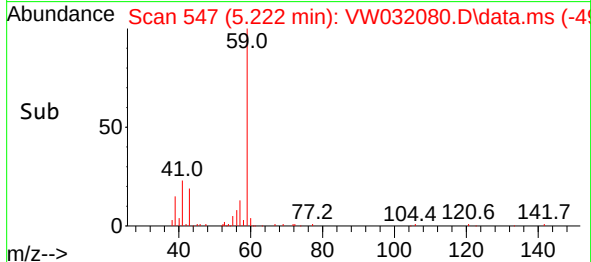
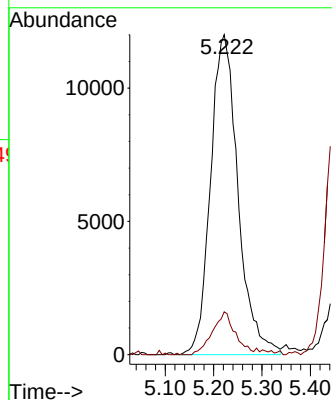
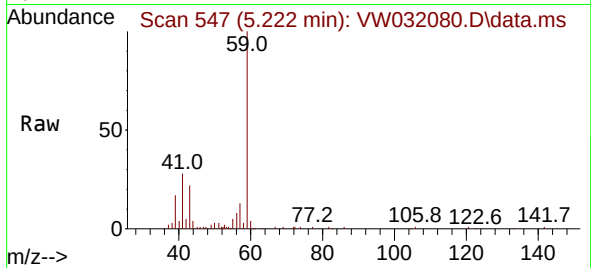




#11
Tert butyl alcohol
Concen: 241.851 ug/l
RT: 5.222 min Scan# 547
Delta R.T. -0.000 min
Lab File: VW032080.D
Acq: 14 Aug 2025 09:27

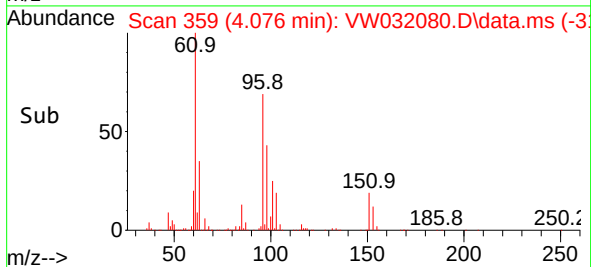
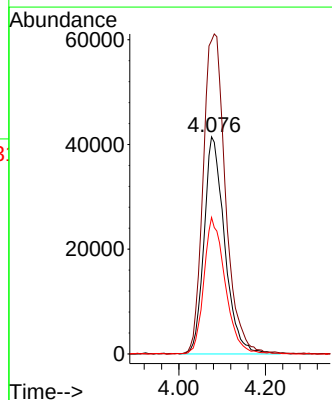
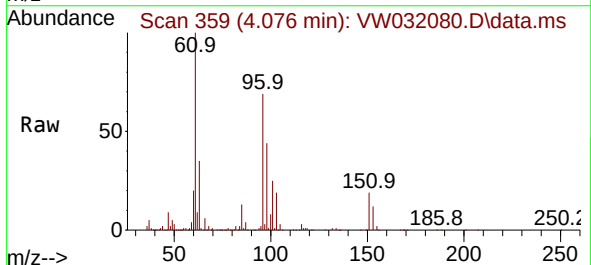
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

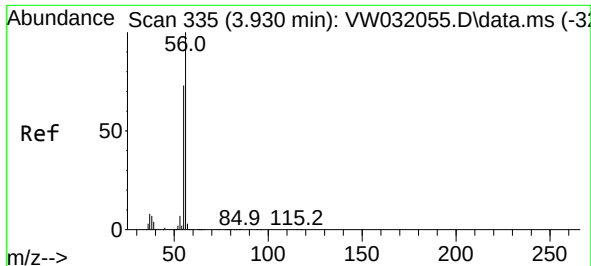
Tgt Ion: 59 Resp: 47413
Ion Ratio Lower Upper
59 100
57 11.1 8.7 13.1



#12
1,1-Dichloroethene
Concen: 54.052 ug/l
RT: 4.076 min Scan# 359
Delta R.T. -0.006 min
Lab File: VW032080.D
Acq: 14 Aug 2025 09:27

Tgt Ion: 96 Resp: 137220
Ion Ratio Lower Upper
96 100
61 144.2 123.4 185.2
98 62.7 49.5 74.3

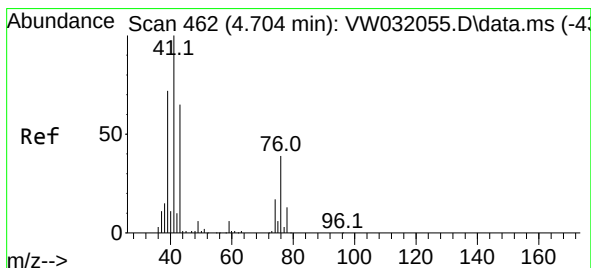
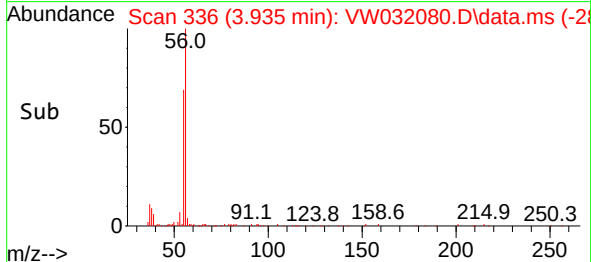
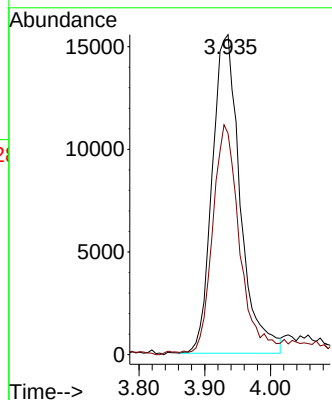
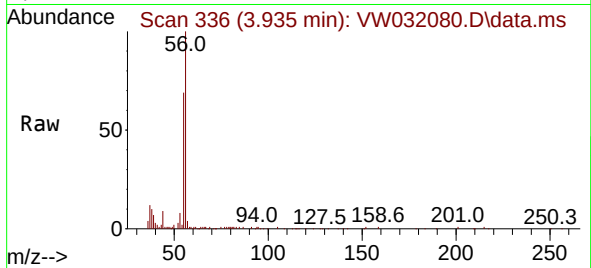




#13
Acrolein
Concen: 146.845 ug/l
RT: 3.935 min Scan# 31
Delta R.T. 0.006 min
Lab File: VW032080.D
Acq: 14 Aug 2025 09:27

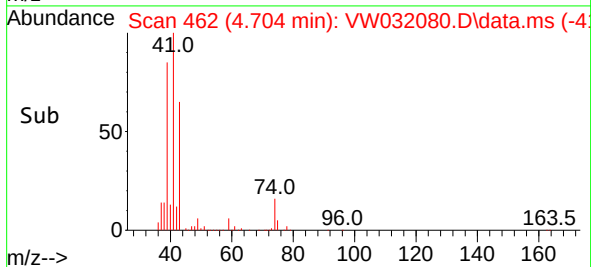
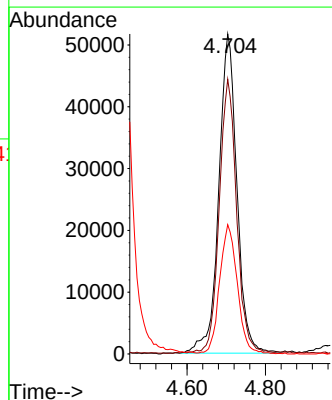
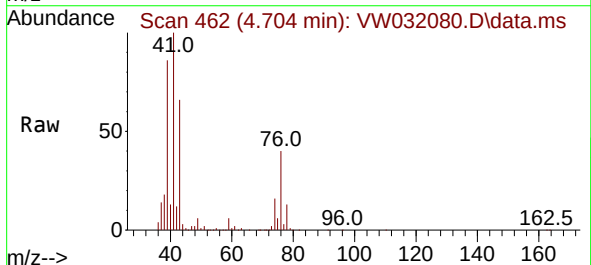
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

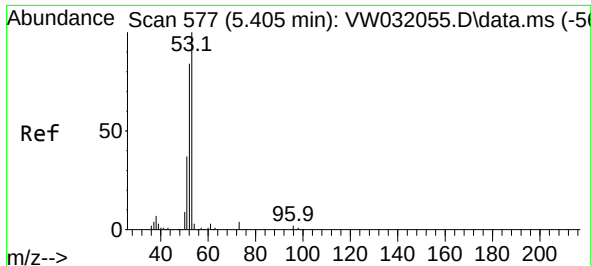
Tgt Ion: 56 Resp: 45869
Ion Ratio Lower Upper
56 100
55 68.2 55.4 83.2



#14
Allyl chloride
Concen: 45.111 ug/l
RT: 4.704 min Scan# 462
Delta R.T. -0.000 min
Lab File: VW032080.D
Acq: 14 Aug 2025 09:27

Tgt Ion: 41 Resp: 166676
Ion Ratio Lower Upper
41 100
39 81.9 54.5 81.7#
76 39.1 29.3 43.9

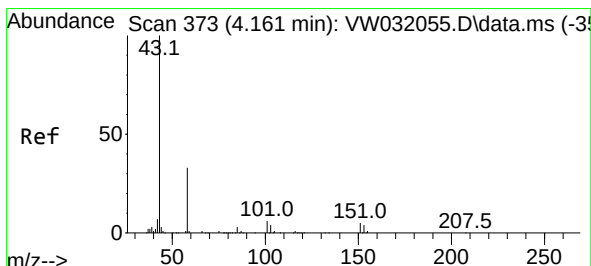
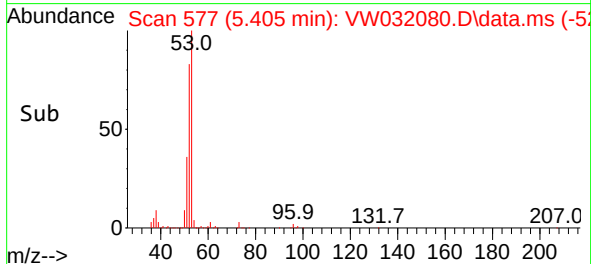
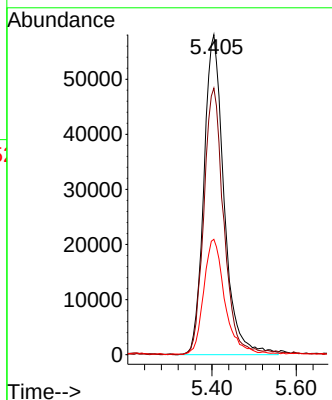
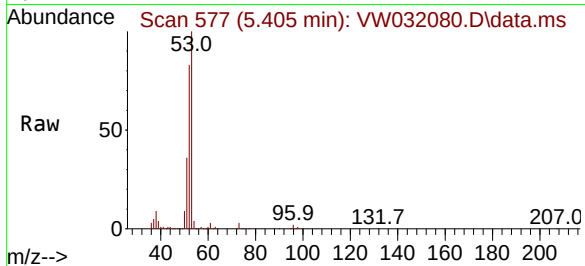




#15
Acrylonitrile
Concen: 253.370 ug/l
RT: 5.405 min Scan# 51
Delta R.T. -0.000 min
Lab File: VW032080.D
Acq: 14 Aug 2025 09:27

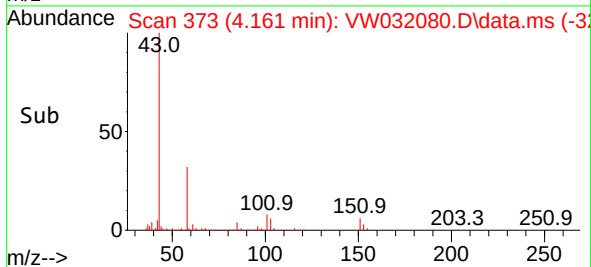
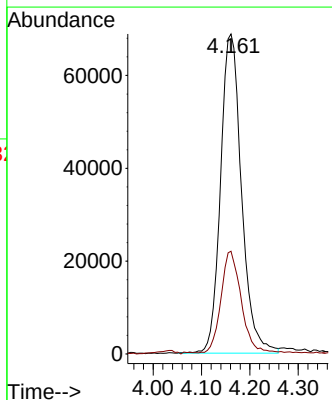
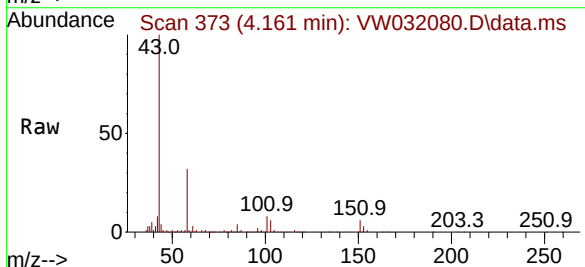
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

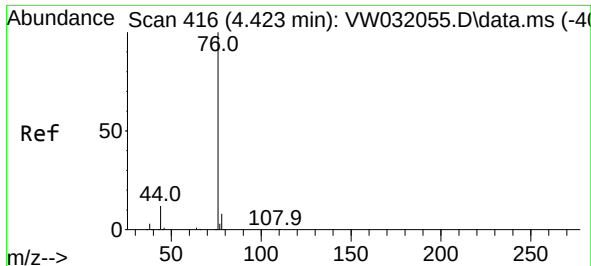
Tgt Ion: 53 Resp: 193220
Ion Ratio Lower Upper
53 100
52 82.1 66.1 99.1
51 37.4 29.2 43.8



#16
Acetone
Concen: 295.783 ug/l
RT: 4.161 min Scan# 373
Delta R.T. -0.000 min
Lab File: VW032080.D
Acq: 14 Aug 2025 09:27

Tgt Ion: 43 Resp: 207328
Ion Ratio Lower Upper
43 100
58 31.7 26.6 39.8

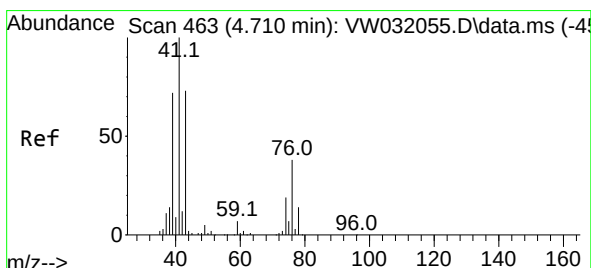
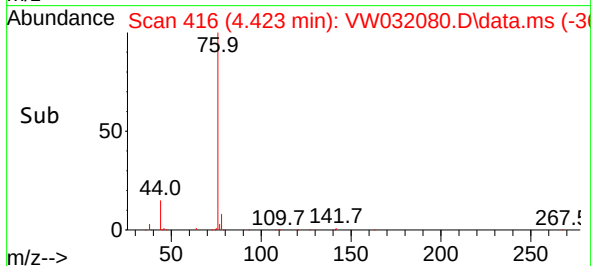
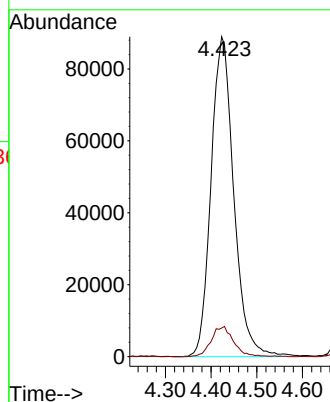
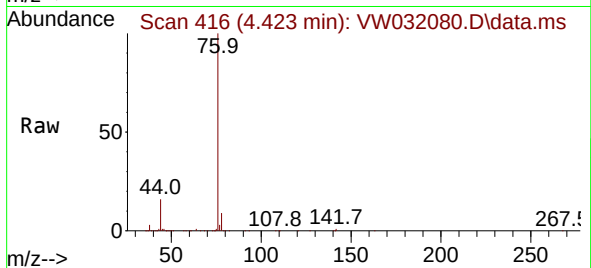




#17
Carbon Disulfide
Concen: 45.000 ug/l
RT: 4.423 min Scan# 416
Delta R.T. -0.000 min
Lab File: VW032080.D
Acq: 14 Aug 2025 09:27

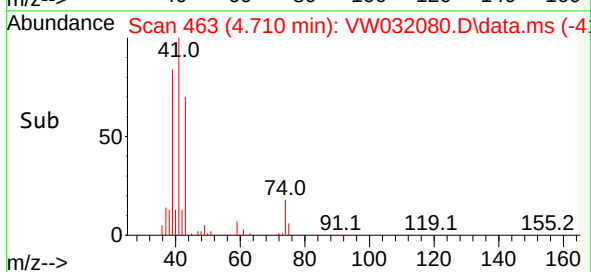
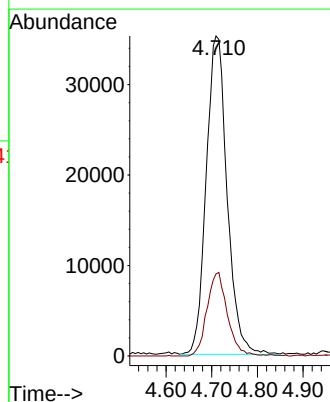
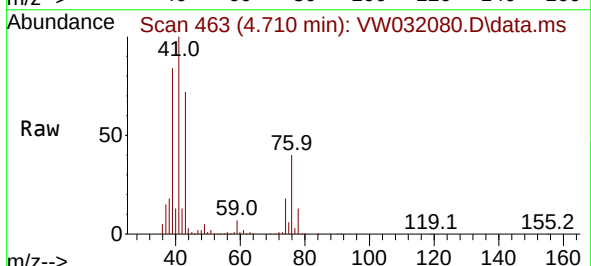
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

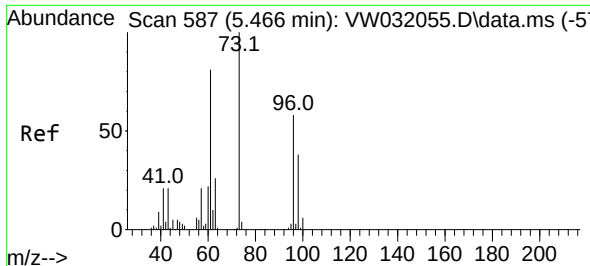
Tgt Ion: 76 Resp: 306638
Ion Ratio Lower Upper
76 100
78 8.9 6.4 9.6



#18
Methyl Acetate
Concen: 50.516 ug/l
RT: 4.710 min Scan# 463
Delta R.T. -0.000 min
Lab File: VW032080.D
Acq: 14 Aug 2025 09:27

Tgt Ion: 43 Resp: 112047
Ion Ratio Lower Upper
43 100
74 25.5 20.6 31.0

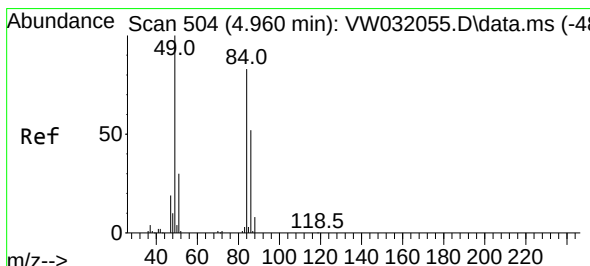
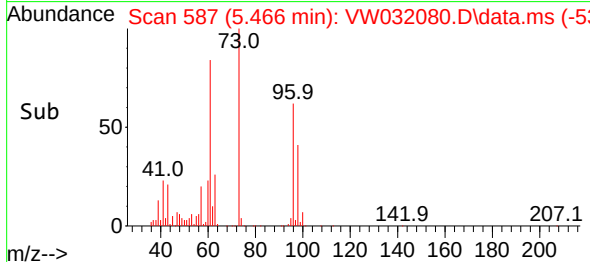
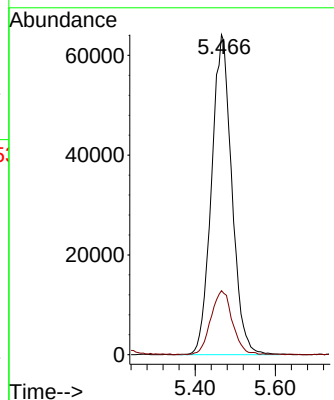
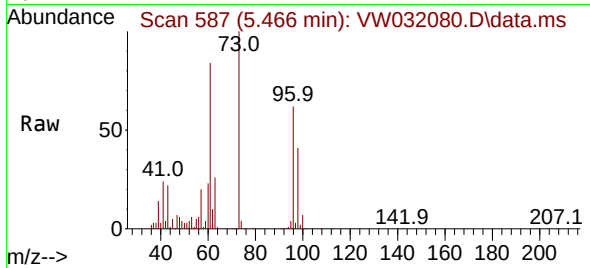




#19
Methyl tert-butyl Ether
Concen: 50.329 ug/l
RT: 5.466 min Scan# 587
Delta R.T. -0.000 min
Lab File: VW032080.D
Acq: 14 Aug 2025 09:27

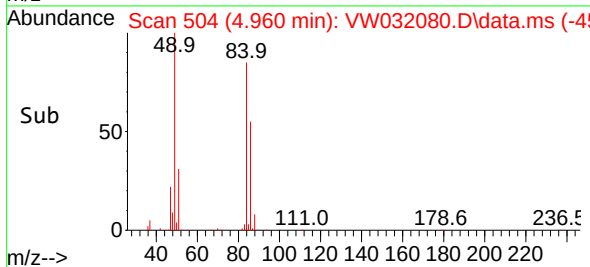
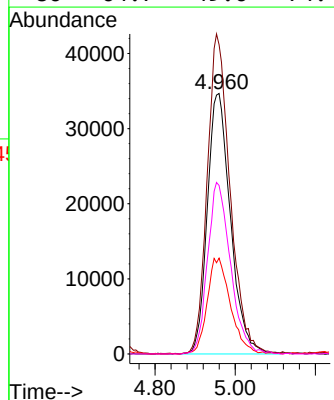
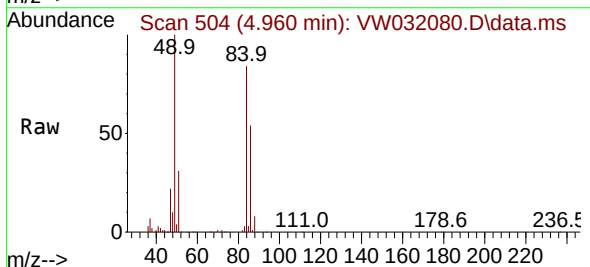
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

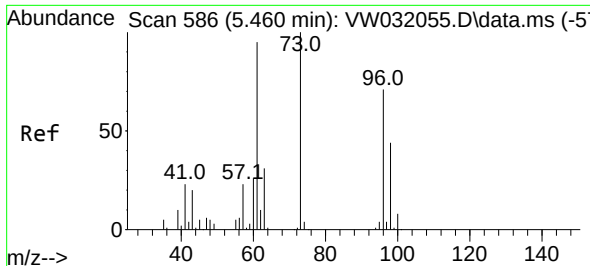
Tgt Ion: 73 Resp: 225122
Ion Ratio Lower Upper
73 100
57 19.9 17.2 25.8



#20
Methylene Chloride
Concen: 42.955 ug/l
RT: 4.960 min Scan# 504
Delta R.T. -0.000 min
Lab File: VW032080.D
Acq: 14 Aug 2025 09:27

Tgt Ion: 84 Resp: 139212
Ion Ratio Lower Upper
84 100
49 118.8 95.9 143.9
51 36.8 28.6 43.0
86 64.7 49.6 74.4

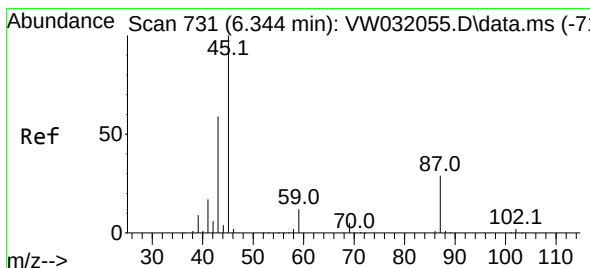
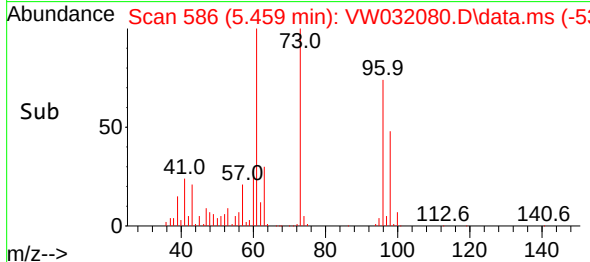
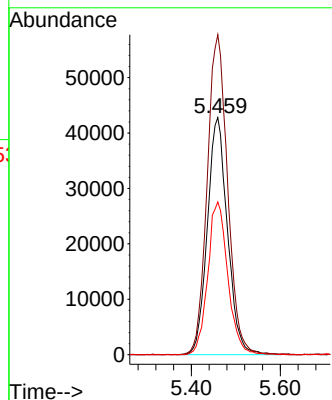
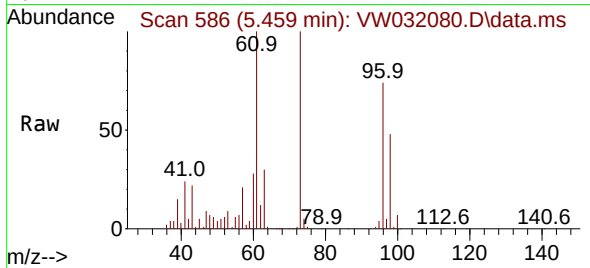




#21
trans-1,2-Dichloroethene
Concen: 50.080 ug/l
RT: 5.459 min Scan# 51
Delta R.T. -0.000 min
Lab File: VW032080.D
Acq: 14 Aug 2025 09:27

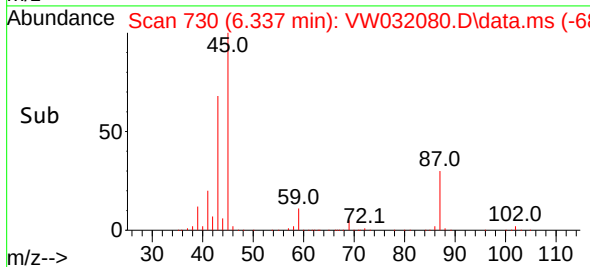
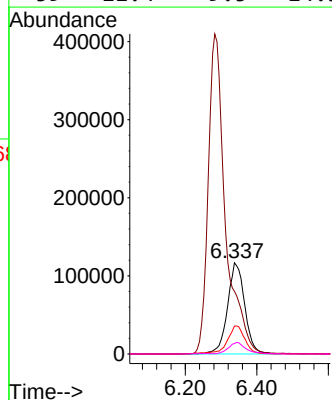
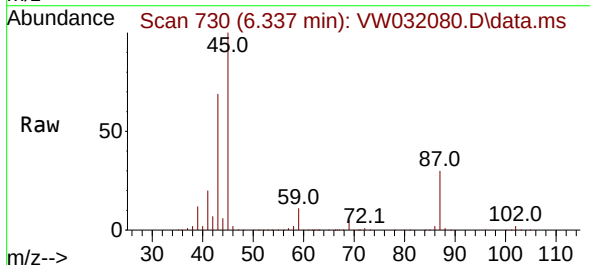
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

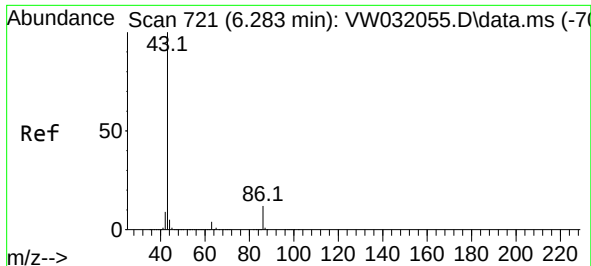
Tgt Ion: 96 Resp: 134920
Ion Ratio Lower Upper
96 100
61 134.8 106.8 160.2
98 64.4 49.6 74.4



#22
Diisopropyl ether
Concen: 49.971 ug/l
RT: 6.337 min Scan# 730
Delta R.T. -0.006 min
Lab File: VW032080.D
Acq: 14 Aug 2025 09:27

Tgt Ion: 45 Resp: 389232
Ion Ratio Lower Upper
45 100
43 68.5 47.0 70.4
87 30.4 23.8 35.8
59 11.4 9.5 14.3

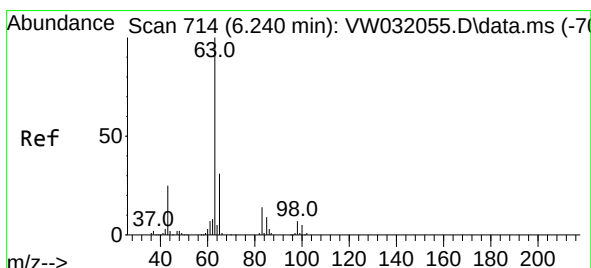
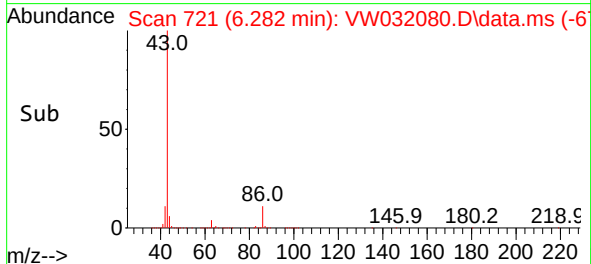
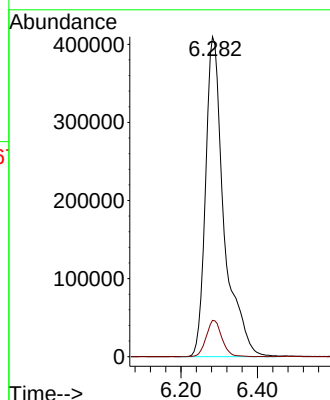
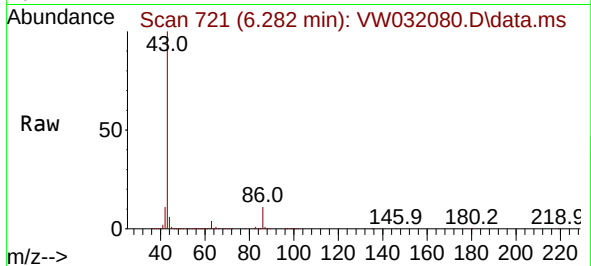




#23
 Vinyl Acetate
 Concen: 268.547 ug/l
 RT: 6.282 min Scan# 714
 Delta R.T. -0.000 min
 Lab File: VW032080.D
 Acq: 14 Aug 2025 09:27

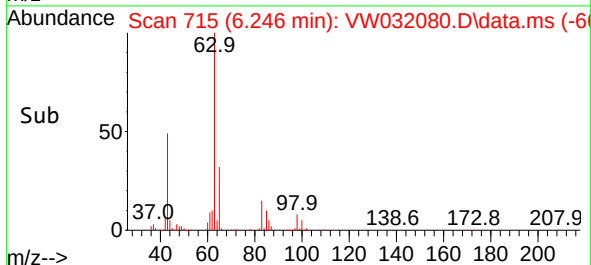
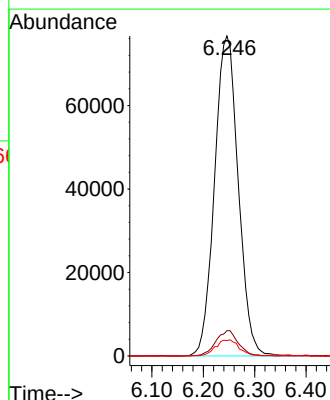
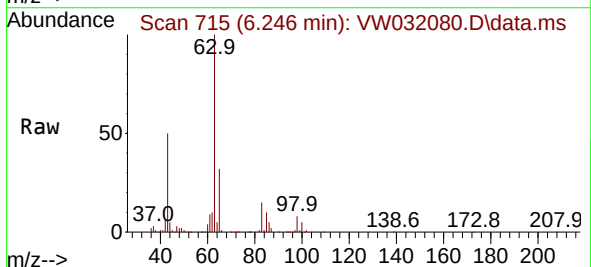
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

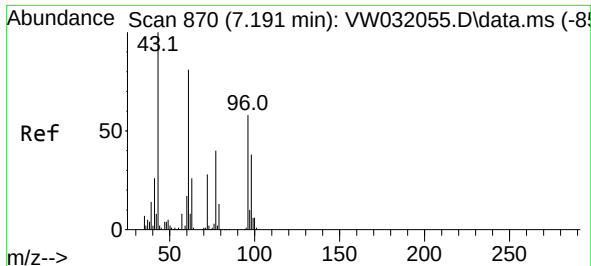
Tgt Ion: 43 Resp: 1373340
 Ion Ratio Lower Upper
 43 100
 86 11.3 9.4 14.0



#24
 1,1-Dichloroethane
 Concen: 49.263 ug/l
 RT: 6.246 min Scan# 715
 Delta R.T. 0.006 min
 Lab File: VW032080.D
 Acq: 14 Aug 2025 09:27

Tgt Ion: 63 Resp: 245164
 Ion Ratio Lower Upper
 63 100
 98 7.9 3.7 11.1
 100 4.8 2.5 7.4





#25

2-Butanone

Concen: 271.199 ug/l

RT: 7.197 min Scan# 81

Delta R.T. 0.006 min

Lab File: VW032080.D

Acq: 14 Aug 2025 09:27

Instrument :

MSVOA_W

ClientSampleId :

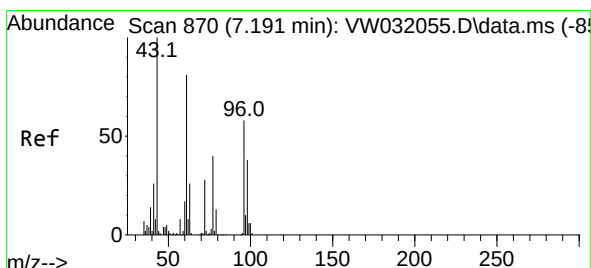
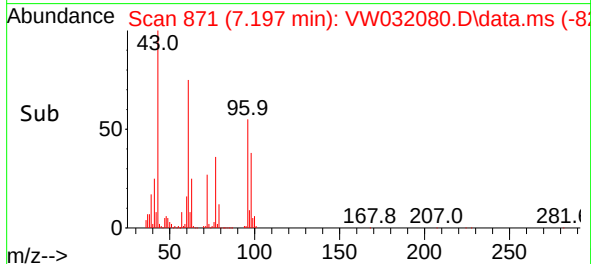
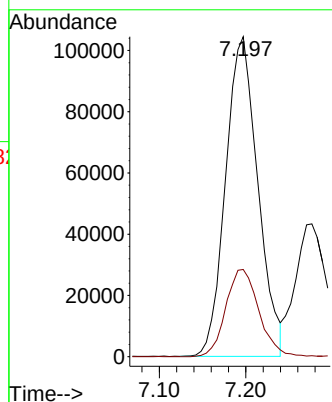
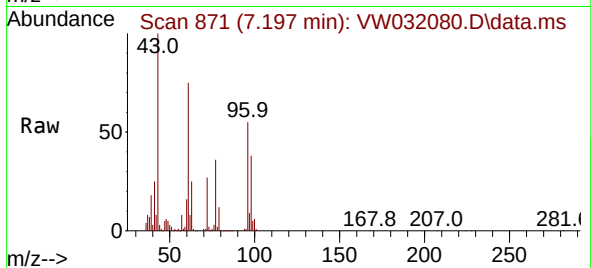
VSTDCCC050

Tgt Ion: 43 Resp: 270175

Ion Ratio Lower Upper

43 100

72 27.3 22.3 33.5



#26

2,2-Dichloropropane

Concen: 49.956 ug/l

RT: 7.185 min Scan# 869

Delta R.T. -0.006 min

Lab File: VW032080.D

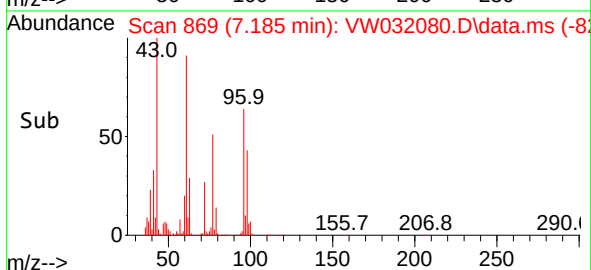
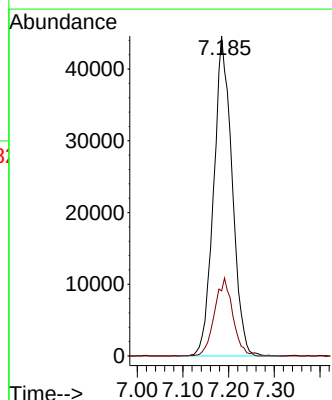
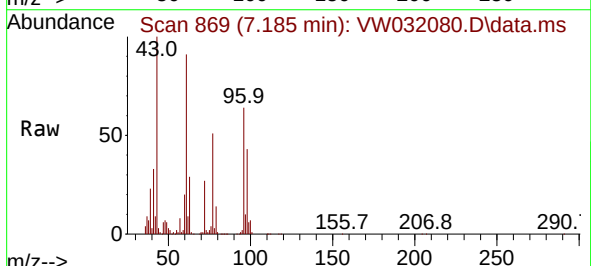
Acq: 14 Aug 2025 09:27

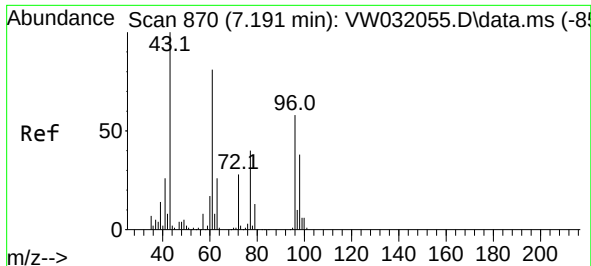
Tgt Ion: 77 Resp: 124724

Ion Ratio Lower Upper

77 100

97 24.2 12.3 36.9

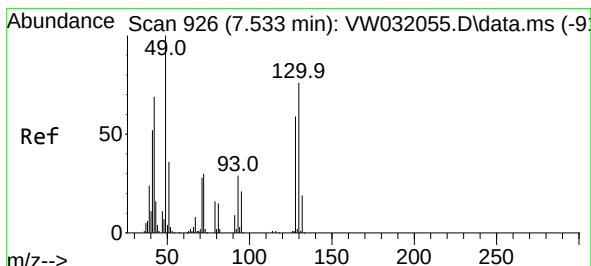
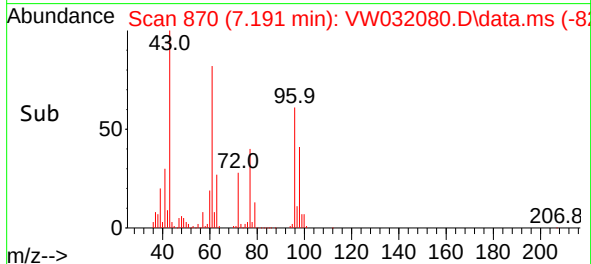
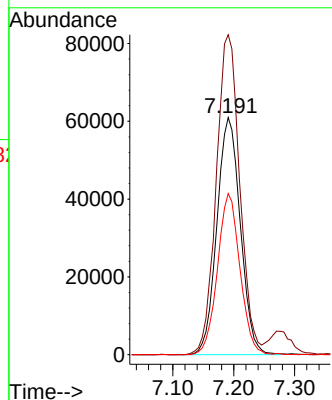
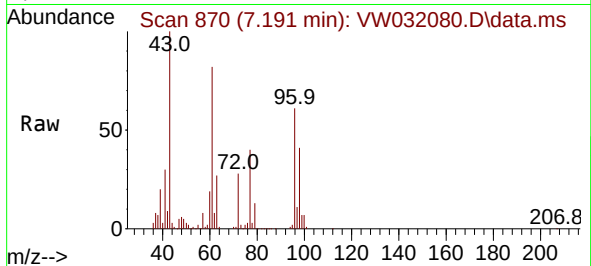




#27
 cis-1,2-Dichloroethene
 Concen: 51.787 ug/l
 RT: 7.191 min Scan# 870
 Delta R.T. -0.000 min
 Lab File: VW032080.D
 Acq: 14 Aug 2025 09:27

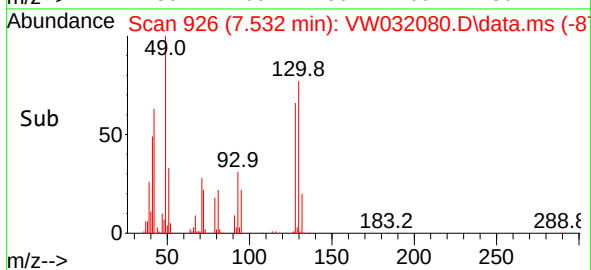
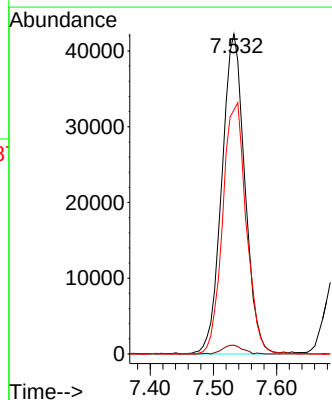
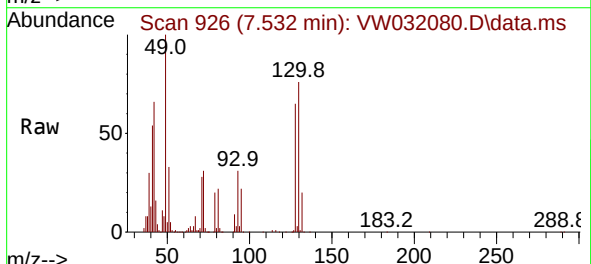
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

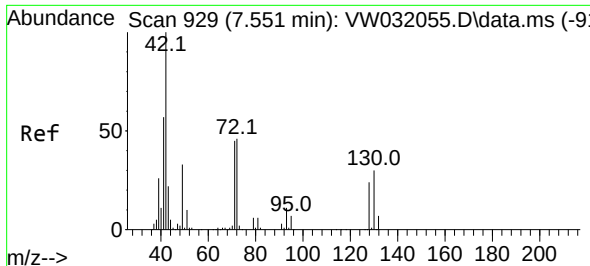
Tgt Ion: 96 Resp: 163086
 Ion Ratio Lower Upper
 96 100
 61 135.4 0.0 281.2
 98 65.1 0.0 130.8



#28
 Bromochloromethane
 Concen: 47.126 ug/l
 RT: 7.532 min Scan# 926
 Delta R.T. -0.000 min
 Lab File: VW032080.D
 Acq: 14 Aug 2025 09:27

Tgt Ion: 49 Resp: 106726
 Ion Ratio Lower Upper
 49 100
 129 2.5 0.0 4.2
 130 80.3 61.9 92.9

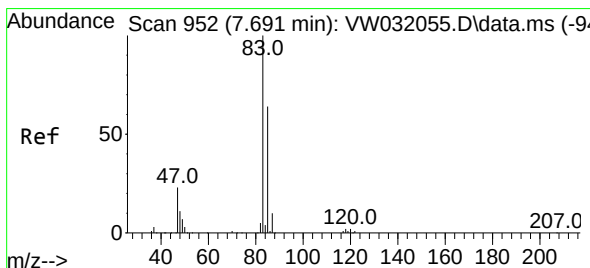
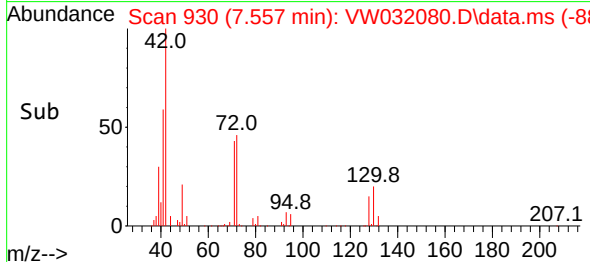
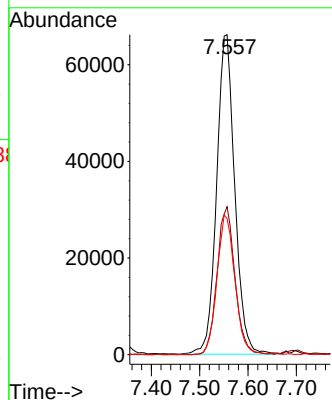
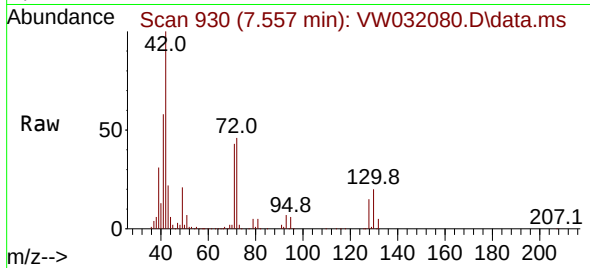




#29
Tetrahydrofuran
Concen: 261.846 ug/l
RT: 7.557 min Scan# 91
Delta R.T. 0.006 min
Lab File: VW032080.D
Acq: 14 Aug 2025 09:27

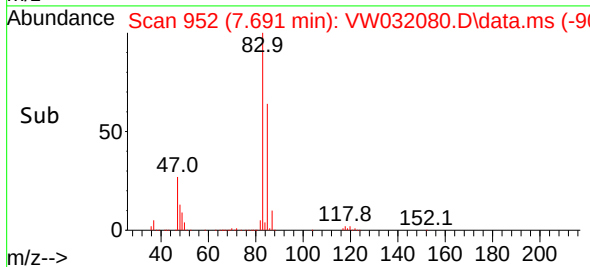
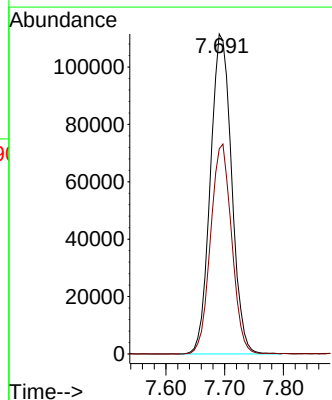
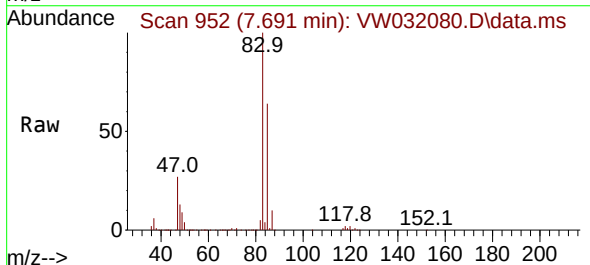
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

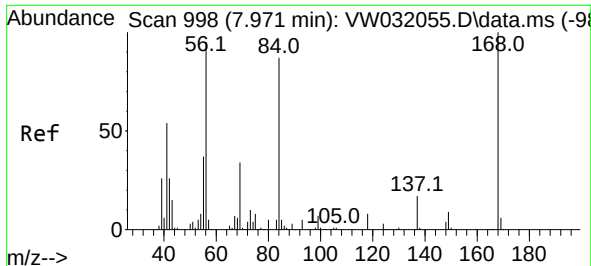
Tgt Ion: 42 Resp: 172032
Ion Ratio Lower Upper
42 100
72 45.9 36.6 55.0
71 43.5 34.7 52.1



#30
Chloroform
Concen: 53.058 ug/l
RT: 7.691 min Scan# 952
Delta R.T. -0.000 min
Lab File: VW032080.D
Acq: 14 Aug 2025 09:27

Tgt Ion: 83 Resp: 279930
Ion Ratio Lower Upper
83 100
85 64.1 51.0 76.4

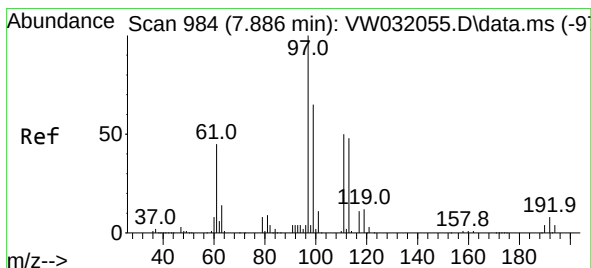
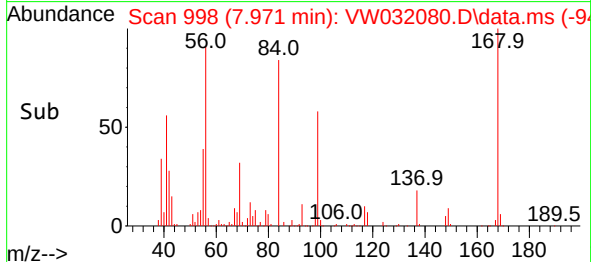
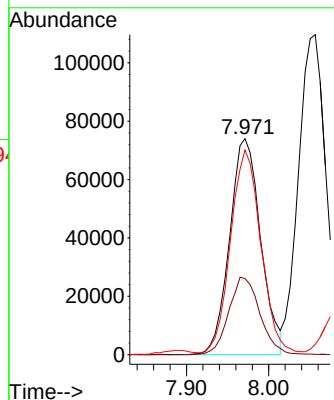
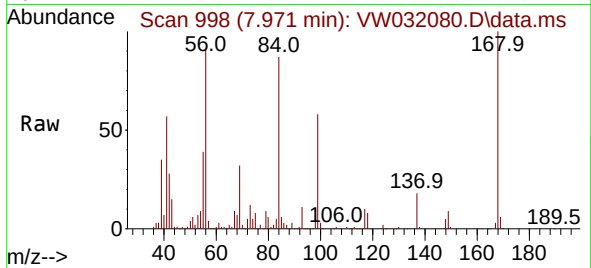




#31
Cyclohexane
Concen: 45.011 ug/l
RT: 7.971 min Scan# 998
Delta R.T. -0.000 min
Lab File: VW032080.D
Acq: 14 Aug 2025 09:27

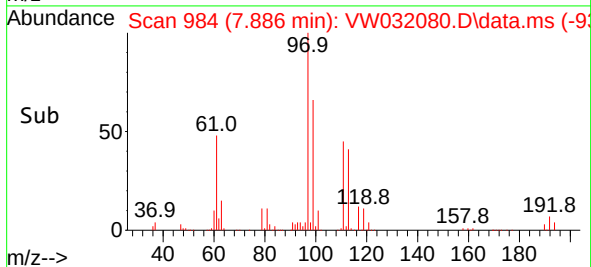
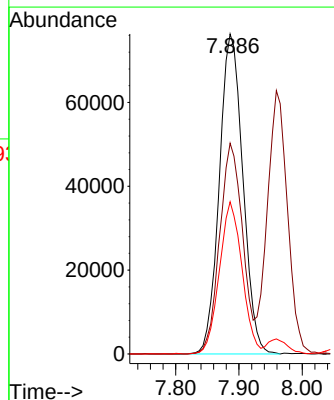
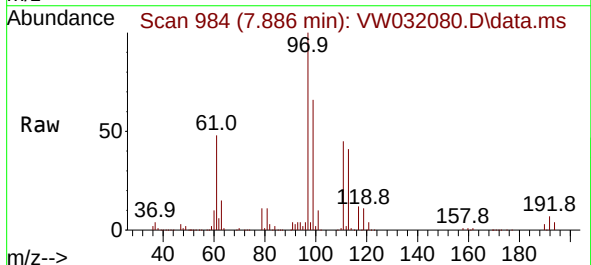
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

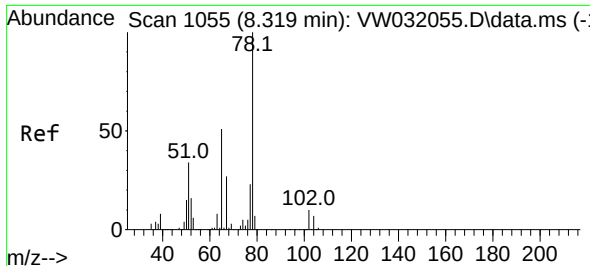
Tgt Ion:	56	Resp:	194201
Ion	Ratio	Lower	Upper
56	100		
69	35.1	28.6	42.8
84	92.7	73.0	109.4



#32
1,1,1-Trichloroethane
Concen: 51.378 ug/l
RT: 7.886 min Scan# 984
Delta R.T. -0.000 min
Lab File: VW032080.D
Acq: 14 Aug 2025 09:27

Tgt Ion:	97	Resp:	196892
Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.8	77.8
61	45.9	35.9	53.9

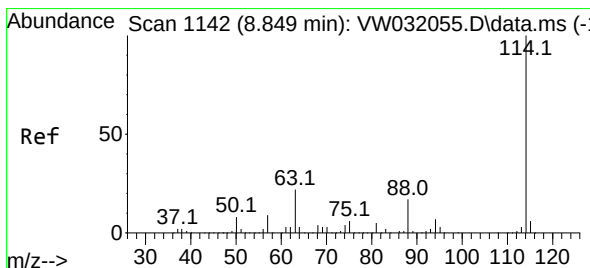
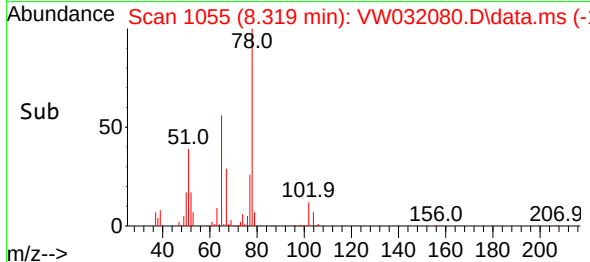
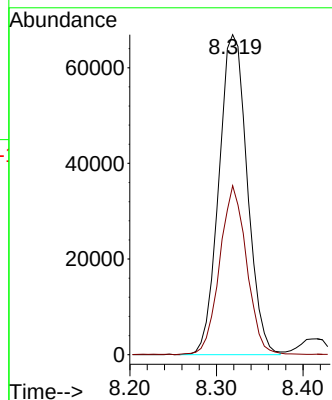
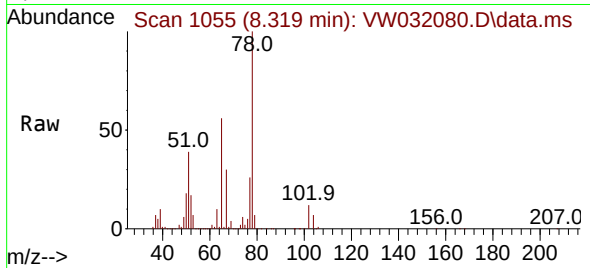




#33
1,2-Dichloroethane-d4
Concen: 50.347 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VW032080.D
Acq: 14 Aug 2025 09:27

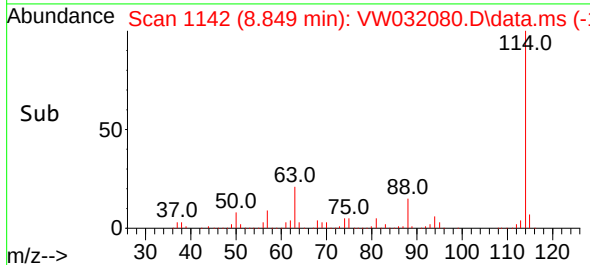
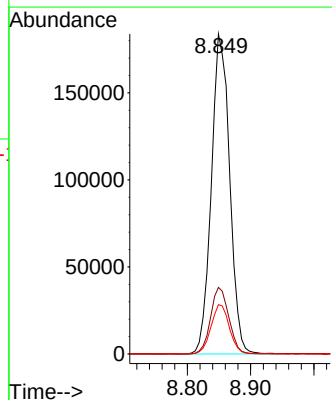
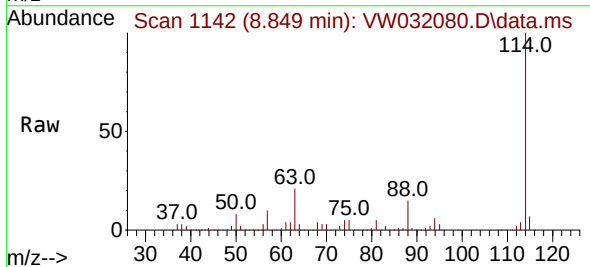
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

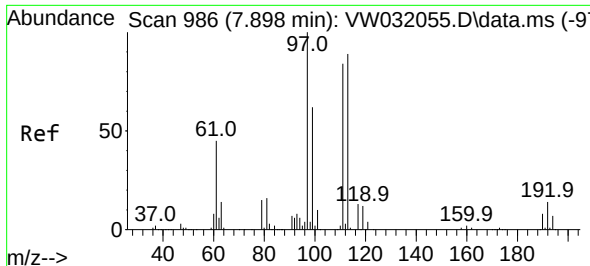
Tgt Ion: 65 Resp: 152426
Ion Ratio Lower Upper
65 100
67 50.2 0.0 102.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 1142
Delta R.T. -0.000 min
Lab File: VW032080.D
Acq: 14 Aug 2025 09:27

Tgt Ion: 114 Resp: 369087
Ion Ratio Lower Upper
114 100
63 20.8 0.0 43.0
88 15.4 0.0 33.8

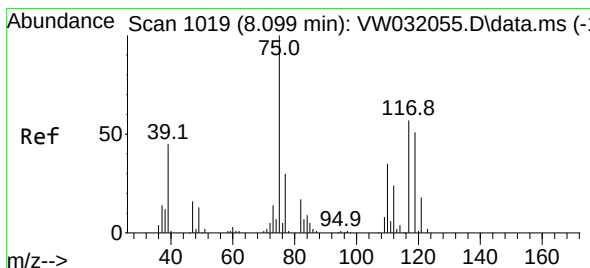
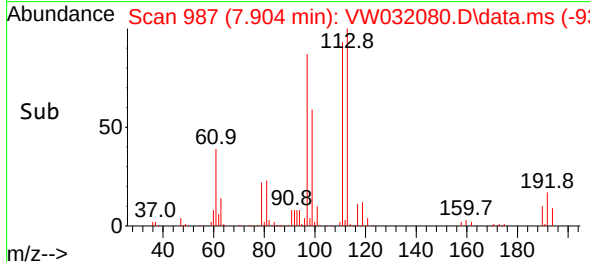
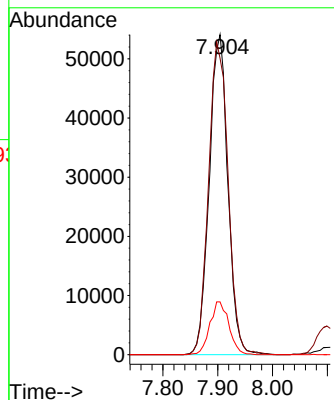
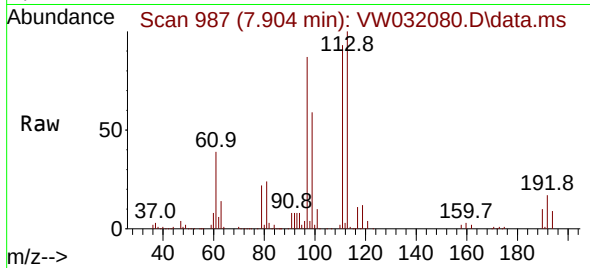




#35
 Dibromofluoromethane
 Concen: 53.483 ug/l
 RT: 7.904 min Scan# 91
 Delta R.T. 0.006 min
 Lab File: VW032080.D
 Acq: 14 Aug 2025 09:27

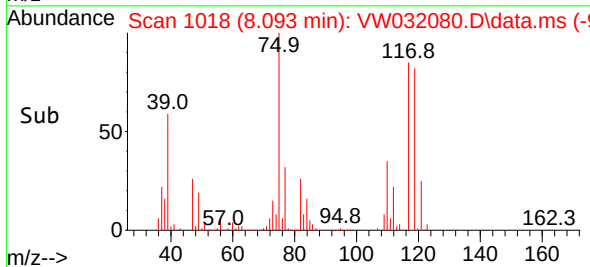
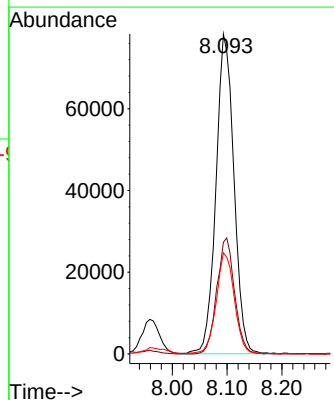
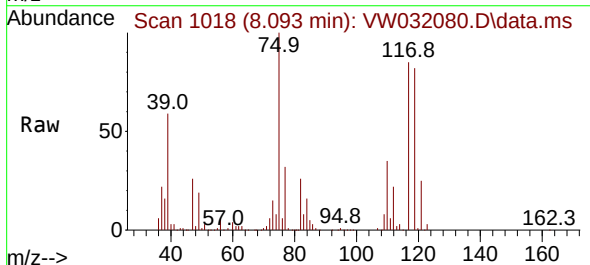
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

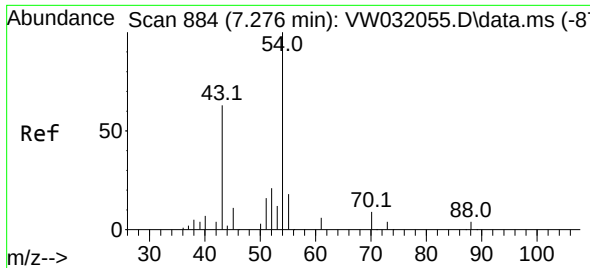
Tgt Ion:113 Resp: 127528
 Ion Ratio Lower Upper
 113 100
 111 102.5 80.1 120.1
 192 16.9 13.1 19.7



#36
 1,1-Dichloropropene
 Concen: 53.016 ug/l
 RT: 8.093 min Scan# 1018
 Delta R.T. -0.006 min
 Lab File: VW032080.D
 Acq: 14 Aug 2025 09:27

Tgt Ion: 75 Resp: 178210
 Ion Ratio Lower Upper
 75 100
 110 35.8 17.4 52.2
 77 32.1 24.7 37.1

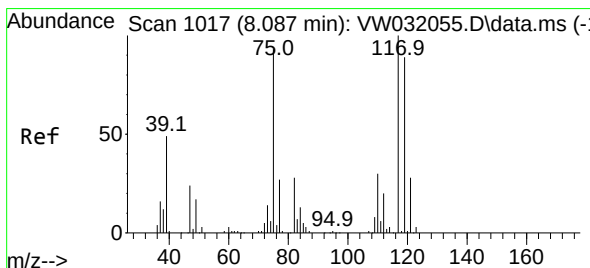
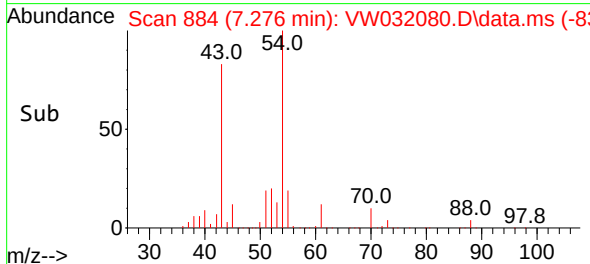
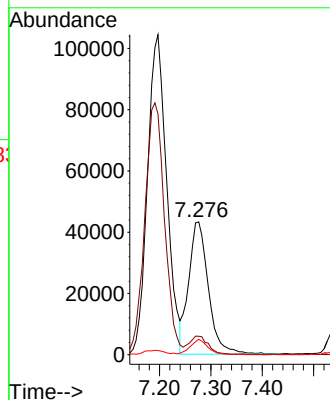
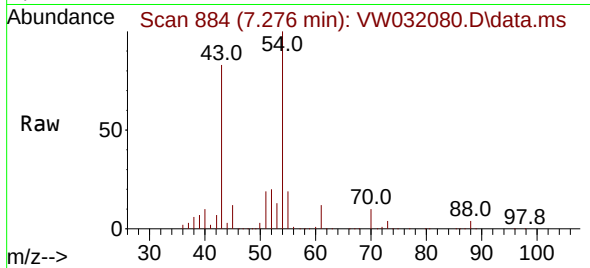




#37
Ethyl Acetate
Concen: 58.145 ug/l
RT: 7.276 min Scan# 884
Delta R.T. -0.000 min
Lab File: VW032080.D
Acq: 14 Aug 2025 09:27

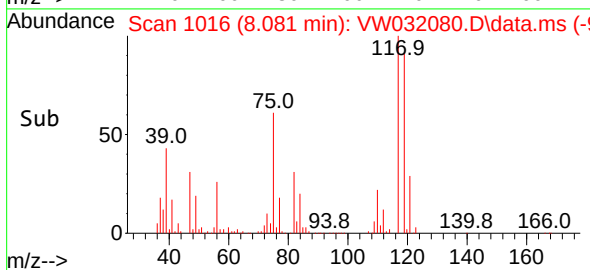
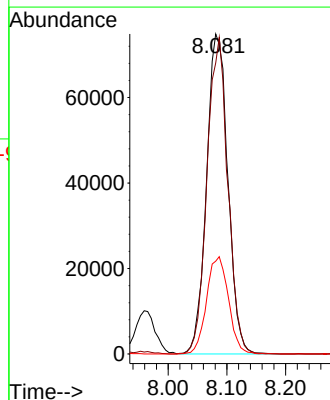
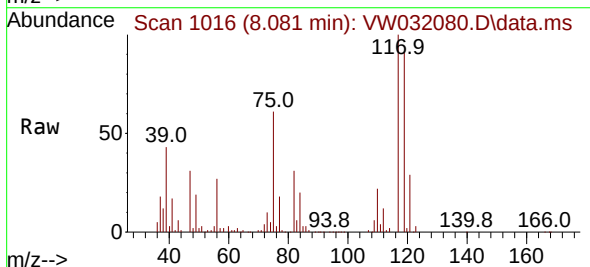
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

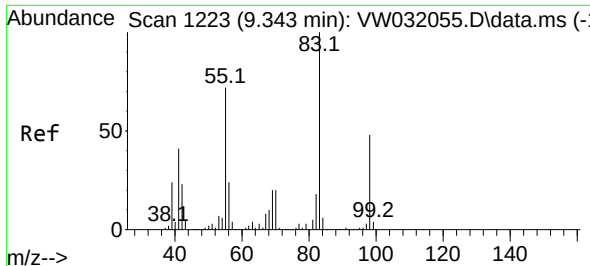
Tgt Ion: 43	Resp: 115111
Ion Ratio	Lower Upper
43 100	
61 13.0	11.8 17.6
70 10.4	9.4 14.0



#38
Carbon Tetrachloride
Concen: 58.281 ug/l
RT: 8.081 min Scan# 1016
Delta R.T. -0.006 min
Lab File: VW032080.D
Acq: 14 Aug 2025 09:27

Tgt Ion:117	Resp:	189059	
Ion	Ratio	Lower	Upper
117	100		
119	90.9	71.4	107.2
121	29.0	22.3	33.5

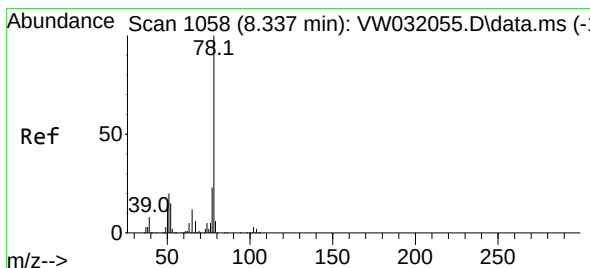
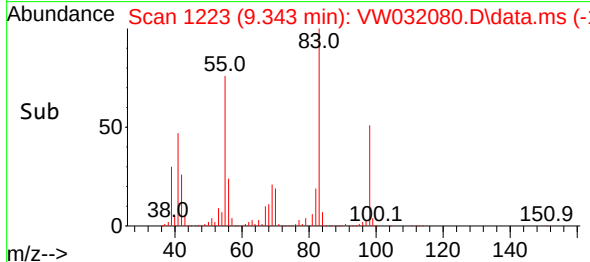
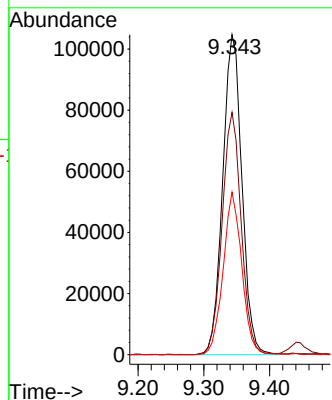
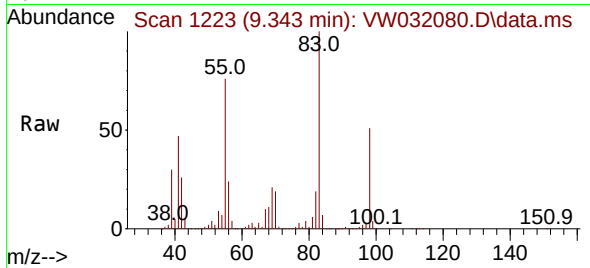




#39
Methylcyclohexane
Concen: 52.018 ug/l
RT: 9.343 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW032080.D
Acq: 14 Aug 2025 09:27

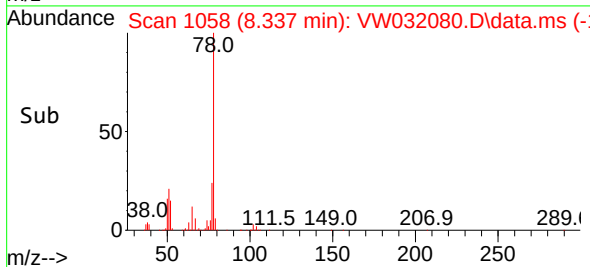
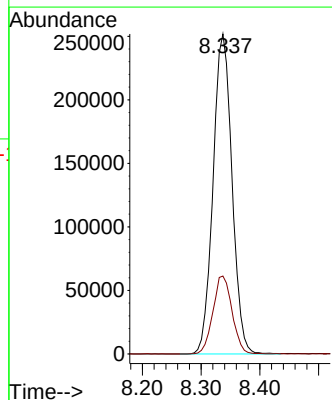
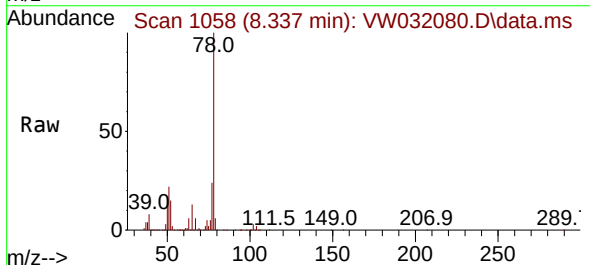
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

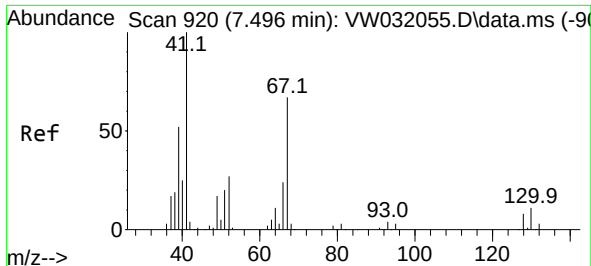
Tgt Ion: 83 Resp: 213123
Ion Ratio Lower Upper
83 100
55 75.6 57.9 86.9
98 50.8 38.3 57.5



#40
Benzene
Concen: 53.892 ug/l
RT: 8.337 min Scan# 1058
Delta R.T. -0.000 min
Lab File: VW032080.D
Acq: 14 Aug 2025 09:27

Tgt Ion: 78 Resp: 563104
Ion Ratio Lower Upper
78 100
77 24.4 18.4 27.6

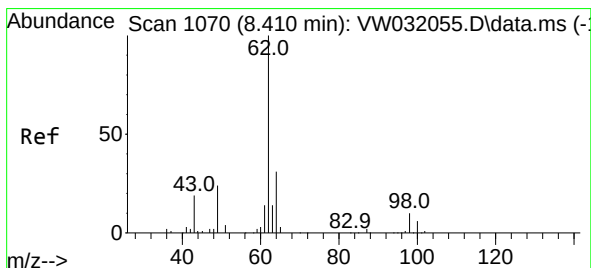
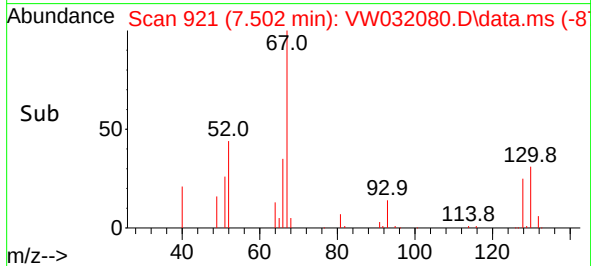
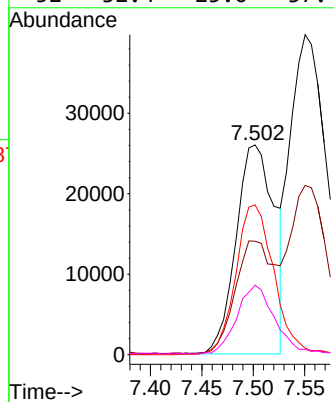
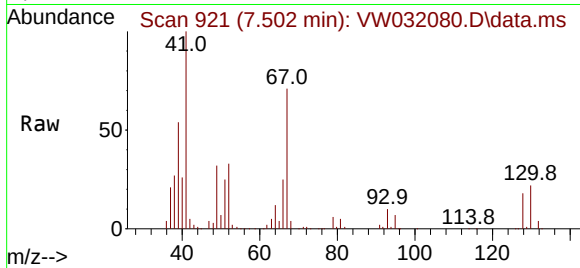




#41
Methacrylonitrile
Concen: 60.380 ug/l
RT: 7.502 min Scan# 91
Delta R.T. 0.006 min
Lab File: VW032080.D
Acq: 14 Aug 2025 09:27

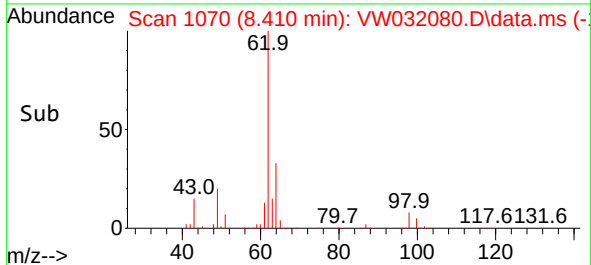
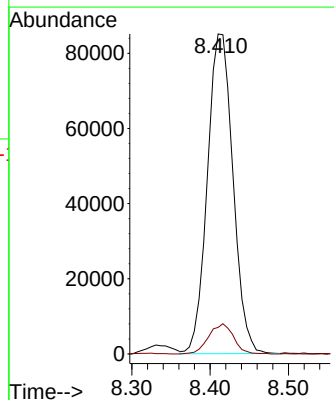
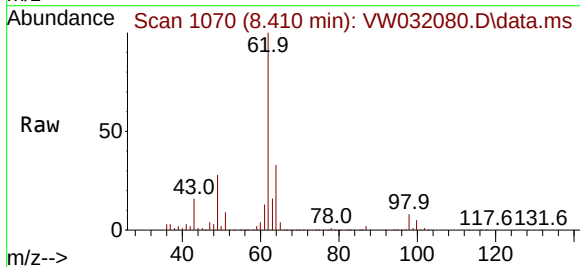
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

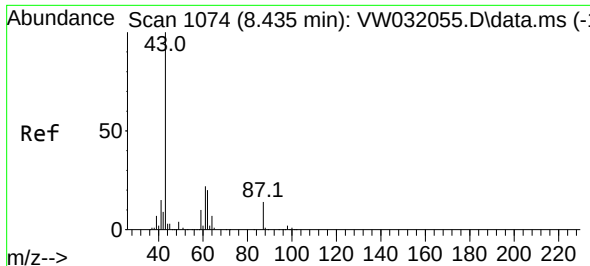
Tgt Ion:	41	Resp:	67789
Ion	Ratio	Lower	Upper
41	100		
39	56.8	42.6	63.8
67	71.2	61.0	91.4
52	32.4	25.0	37.4



#42
1,2-Dichloroethane
Concen: 57.820 ug/l
RT: 8.410 min Scan# 1070
Delta R.T. -0.000 min
Lab File: VW032080.D
Acq: 14 Aug 2025 09:27

Tgt Ion:	62	Resp:	193320
Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	19.8

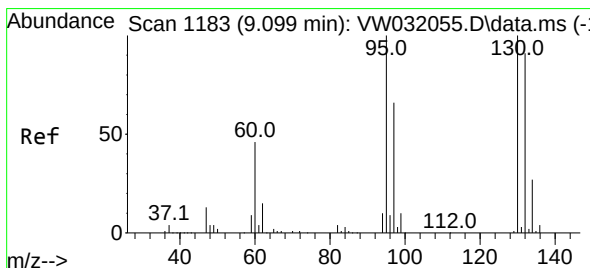
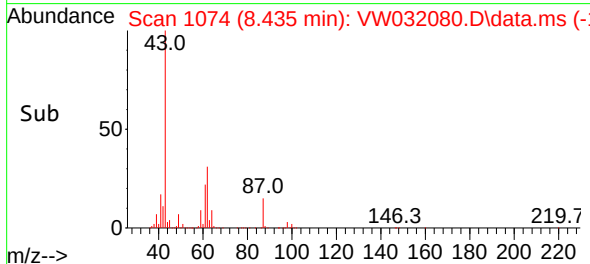
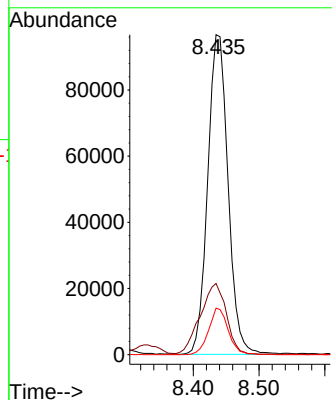
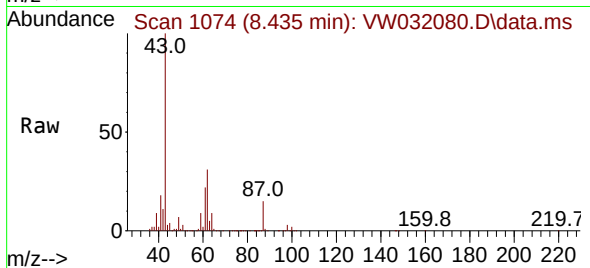




#43
Isopropyl Acetate
Concen: 57.148 ug/l
RT: 8.435 min Scan# 1107
Delta R.T. -0.000 min
Lab File: VW032080.D
Acq: 14 Aug 2025 09:27

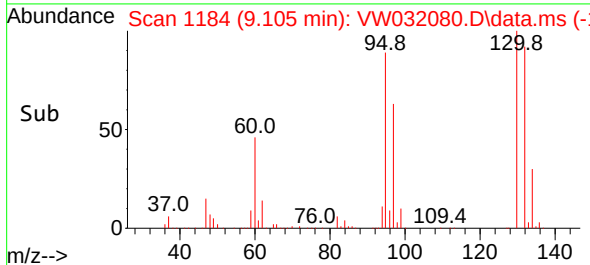
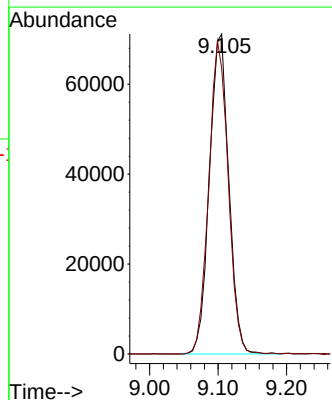
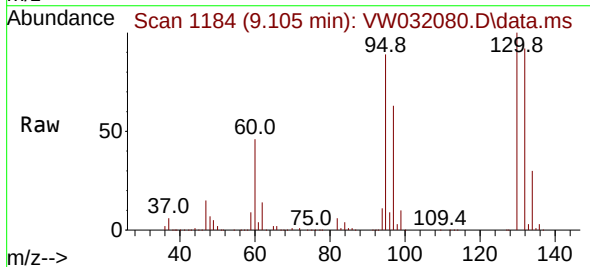
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

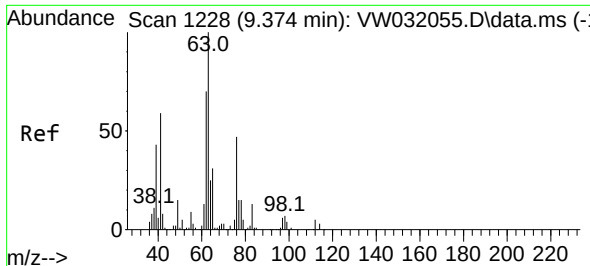
Tgt Ion: 43 Resp: 208154
Ion Ratio Lower Upper
43 100
61 28.3 23.8 35.8
87 14.0 11.7 17.5



#44
Trichloroethene
Concen: 56.237 ug/l
RT: 9.105 min Scan# 1184
Delta R.T. 0.006 min
Lab File: VW032080.D
Acq: 14 Aug 2025 09:27

Tgt Ion:130 Resp: 139933
Ion Ratio Lower Upper
130 100
95 89.4 0.0 200.6

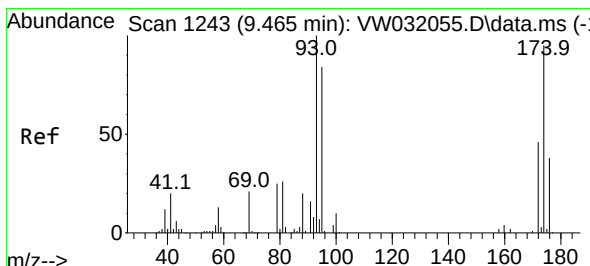
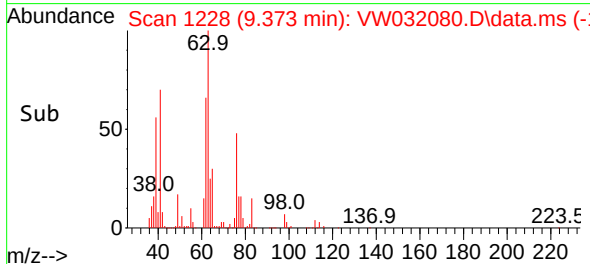
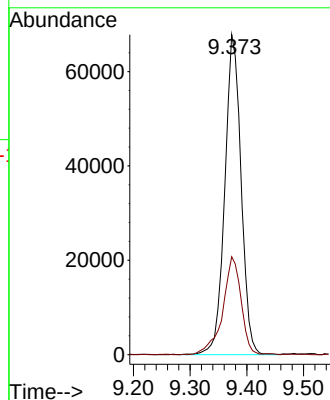
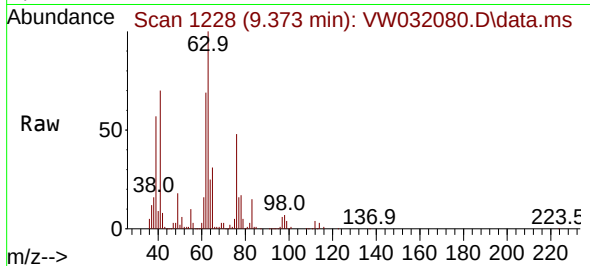




#45
1,2-Dichloropropane
Concen: 53.705 ug/l
RT: 9.373 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW032080.D
Acq: 14 Aug 2025 09:27

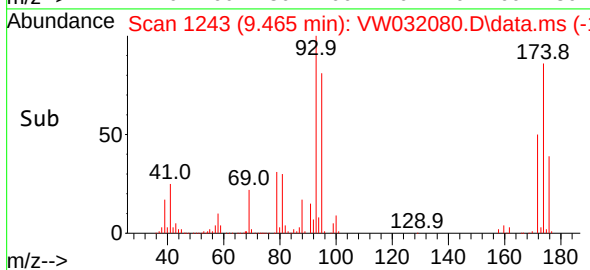
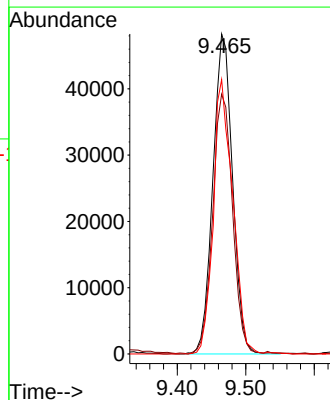
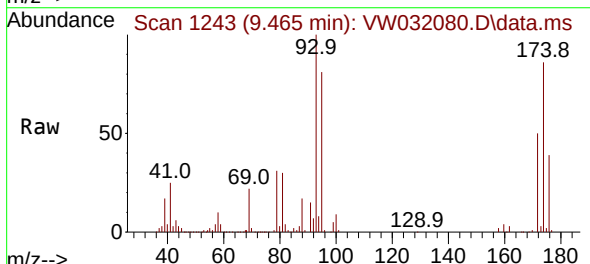
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

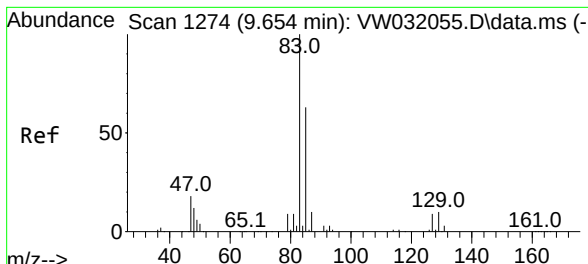
Tgt Ion: 63 Resp: 135567
Ion Ratio Lower Upper
63 100
65 30.6 24.6 36.8



#46
Dibromomethane
Concen: 58.920 ug/l
RT: 9.465 min Scan# 1243
Delta R.T. -0.000 min
Lab File: VW032080.D
Acq: 14 Aug 2025 09:27

Tgt Ion: 93 Resp: 95991
Ion Ratio Lower Upper
93 100
95 82.1 65.3 97.9
174 84.8 68.6 102.8

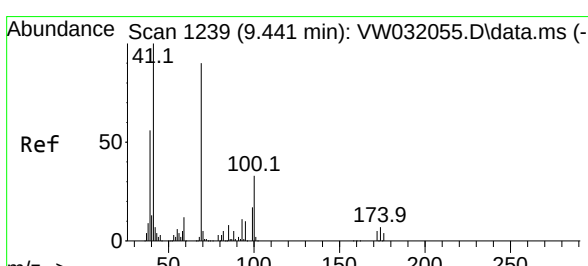
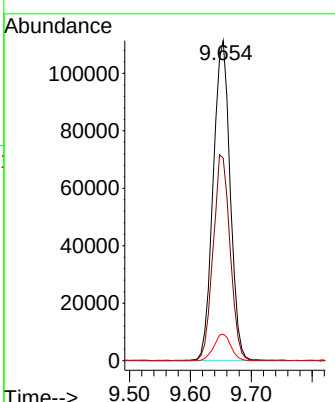
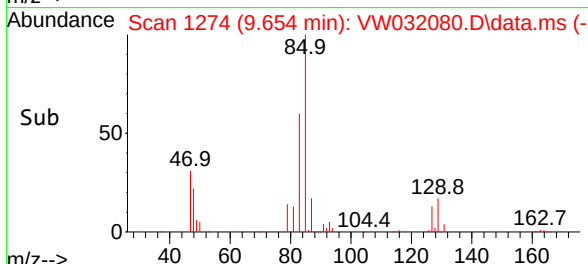
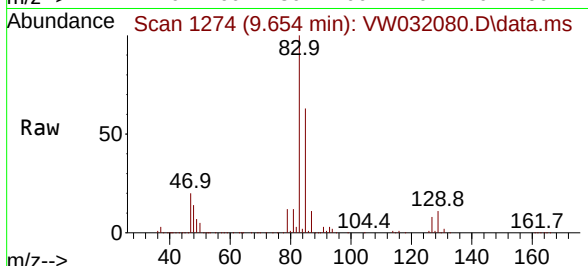




#47
 Bromodichloromethane
 Concen: 57.226 ug/l
 RT: 9.654 min Scan# 1274
 Delta R.T. -0.000 min
 Lab File: VW032080.D
 Acq: 14 Aug 2025 09:27

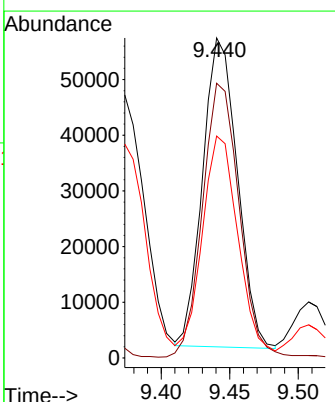
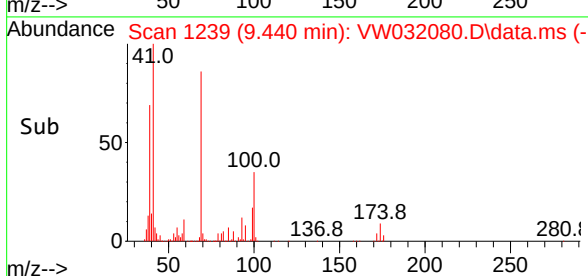
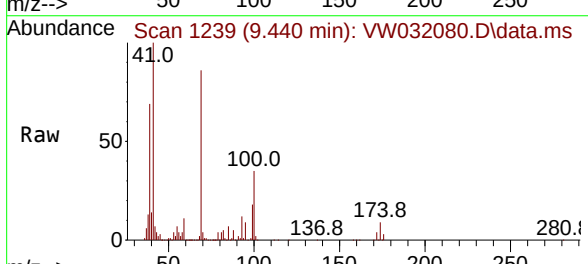
Instrument : MSVOA_W
 ClientSampleId : VSTDCCC050

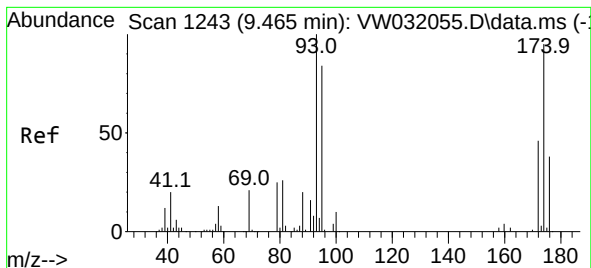
Tgt Ion:	83	Resp:	214831
Ion	Ratio	Lower	Upper
83	100		
85	63.2	50.6	75.8
127	8.3	6.9	10.3



#48
 Methyl methacrylate
 Concen: 55.521 ug/l
 RT: 9.440 min Scan# 1239
 Delta R.T. -0.000 min
 Lab File: VW032080.D
 Acq: 14 Aug 2025 09:27

Tgt Ion:	41	Resp:	97630
Ion	Ratio	Lower	Upper
41	100		
69	94.2	73.0	109.6
39	74.6	45.0	67.4





#49

1,4-Dioxane

Concen: 1132.752 ug/l

RT: 9.465 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW032080.D

Acq: 14 Aug 2025 09:27

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

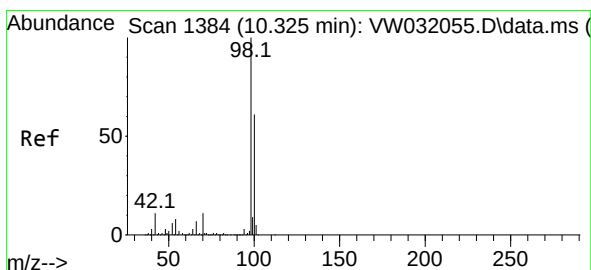
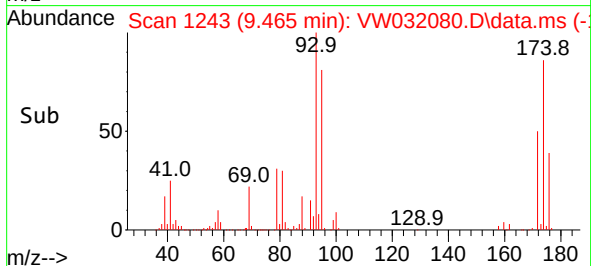
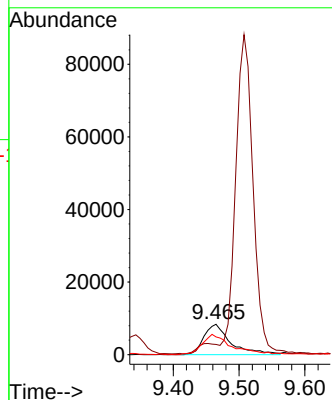
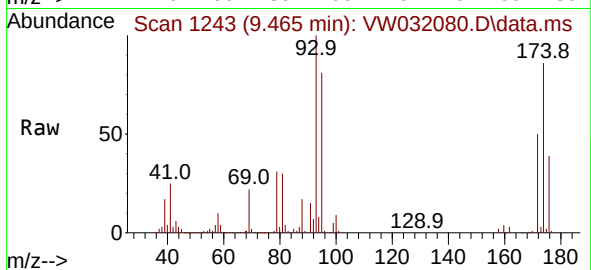
Tgt Ion: 88 Resp: 23861

Ion Ratio Lower Upper

88 100

43 24.1 20.6 30.8

58 74.5 60.4 90.6



#50

Toluene-d8

Concen: 51.355 ug/l

RT: 10.324 min Scan# 1384

Delta R.T. -0.000 min

Lab File: VW032080.D

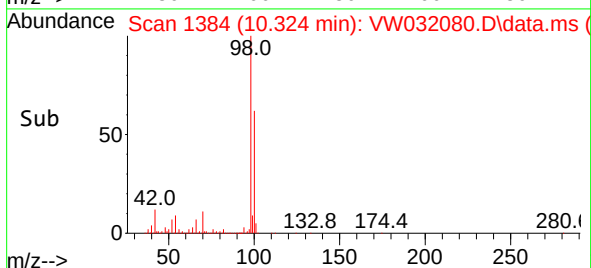
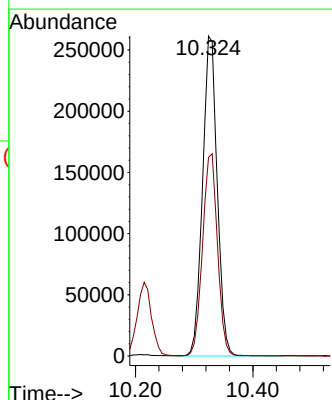
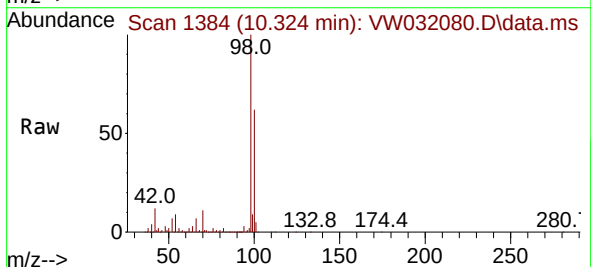
Acq: 14 Aug 2025 09:27

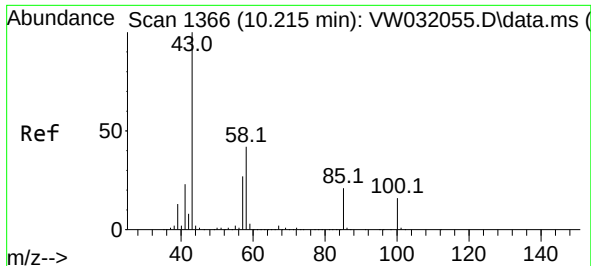
Tgt Ion: 98 Resp: 452920

Ion Ratio Lower Upper

98 100

100 64.5 51.1 76.7

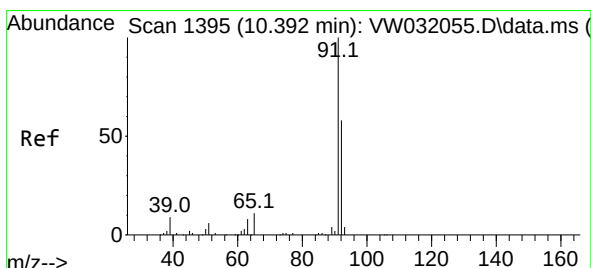
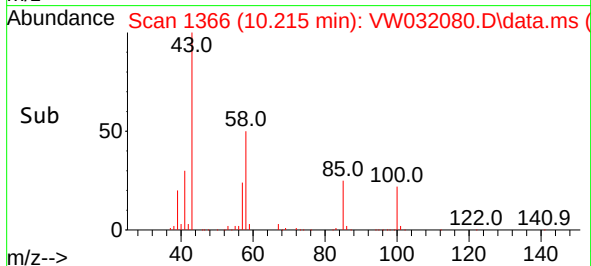
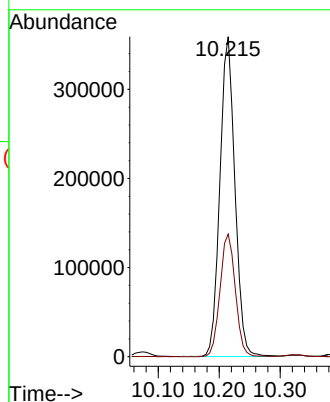
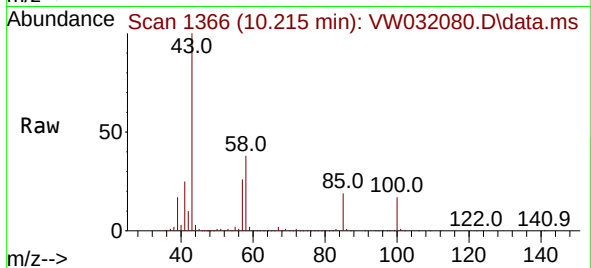




#51
4-Methyl-2-Pentanone
Concen: 298.600 ug/l
RT: 10.215 min Scan# 1366
Delta R.T. -0.000 min
Lab File: VW032080.D
Acq: 14 Aug 2025 09:27

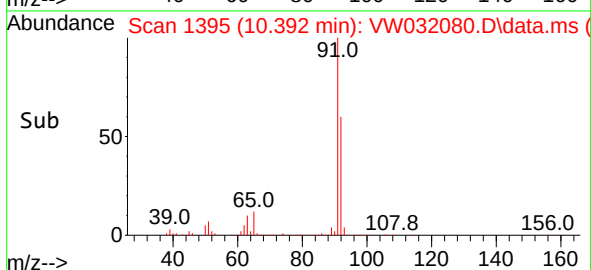
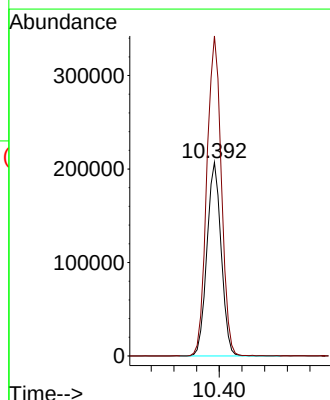
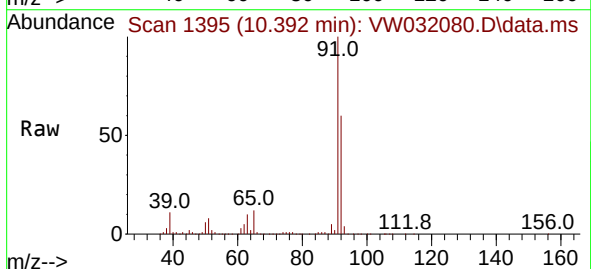
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

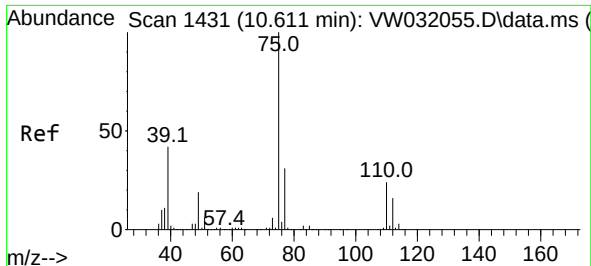
Tgt Ion: 43 Resp: 613885
Ion Ratio Lower Upper
43 100
58 39.1 33.1 49.7



#52
Toluene
Concen: 54.839 ug/l
RT: 10.392 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VW032080.D
Acq: 14 Aug 2025 09:27

Tgt Ion: 92 Resp: 360912
Ion Ratio Lower Upper
92 100
91 168.5 136.3 204.5

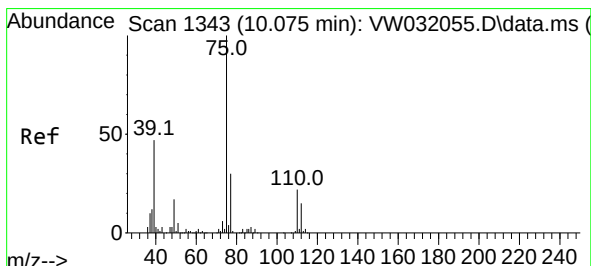
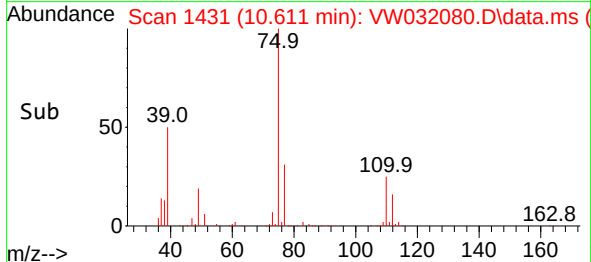
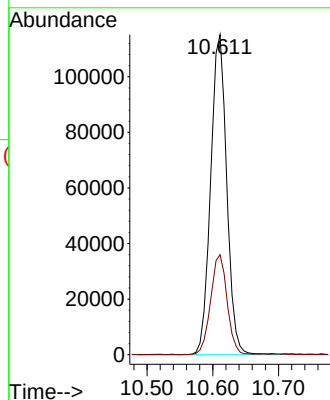
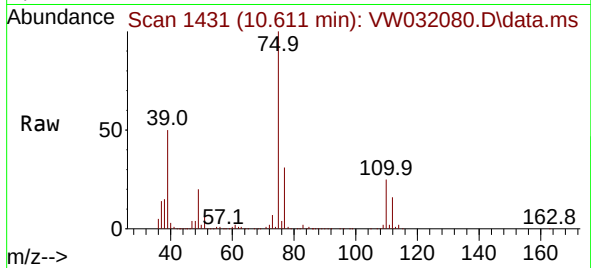




#53
t-1,3-Dichloropropene
Concen: 55.768 ug/l
RT: 10.611 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VW032080.D
Acq: 14 Aug 2025 09:27

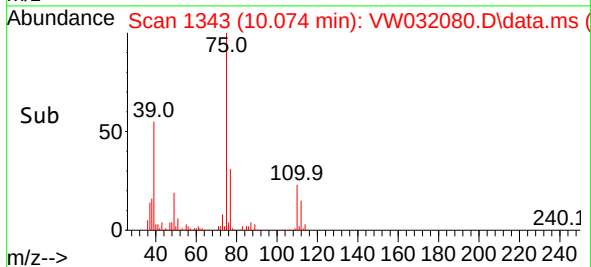
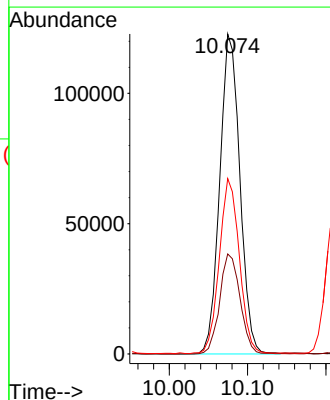
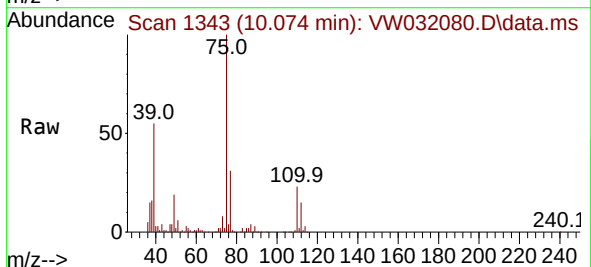
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

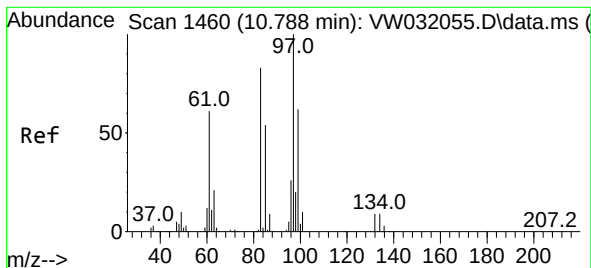
Tgt Ion: 75 Resp: 196142
Ion Ratio Lower Upper
75 100
77 31.3 25.0 37.6



#54
cis-1,3-Dichloropropene
Concen: 54.997 ug/l
RT: 10.074 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VW032080.D
Acq: 14 Aug 2025 09:27

Tgt Ion: 75 Resp: 219444
Ion Ratio Lower Upper
75 100
77 31.3 24.0 36.0
39 54.5 37.8 56.8

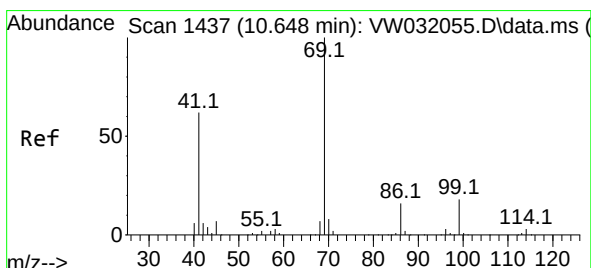
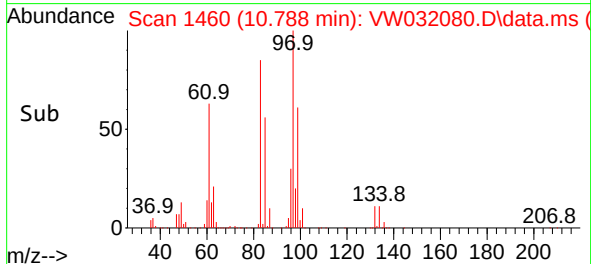
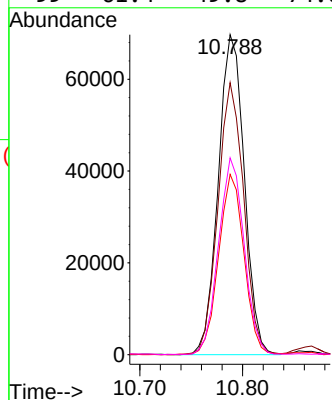
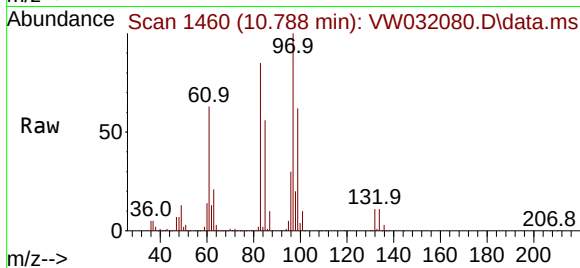




#55
1,1,2-Trichloroethane
Concen: 56.613 ug/l
RT: 10.788 min Scan# 1460
Delta R.T. -0.000 min
Lab File: VW032080.D
Acq: 14 Aug 2025 09:27

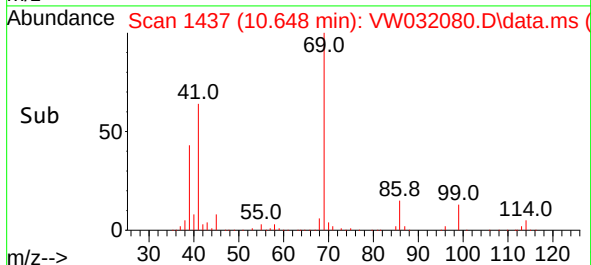
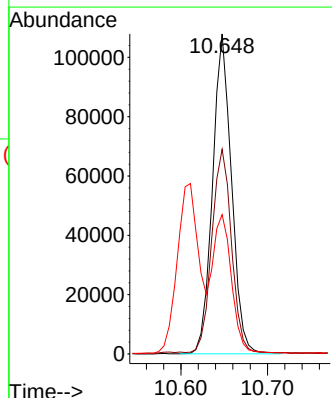
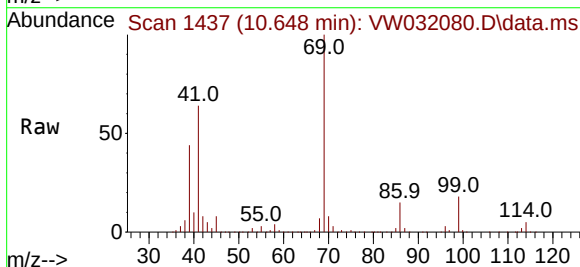
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

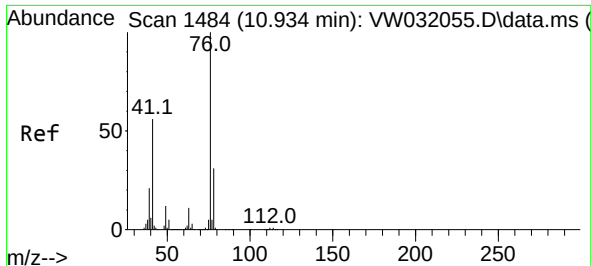
Tgt Ion:	97	Resp:	122561
Ion	Ratio	Lower	Upper
97	100		
83	85.0	66.4	99.6
85	56.1	43.1	64.7
99	61.4	49.8	74.6



#56
Ethyl methacrylate
Concen: 56.621 ug/l
RT: 10.648 min Scan# 1437
Delta R.T. -0.000 min
Lab File: VW032080.D
Acq: 14 Aug 2025 09:27

Tgt Ion:	69	Resp:	164035
Ion	Ratio	Lower	Upper
69	100		
41	66.3	51.2	76.8
39	43.0	25.4	38.0

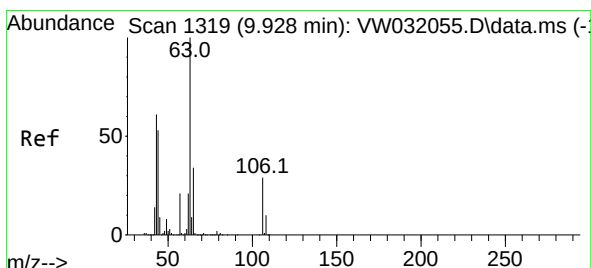
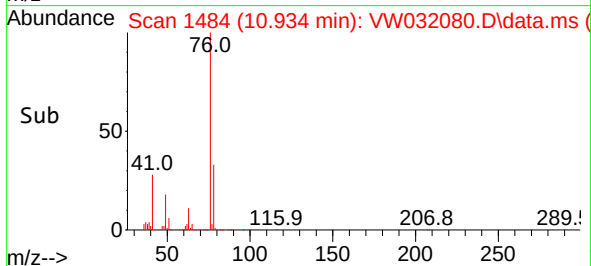
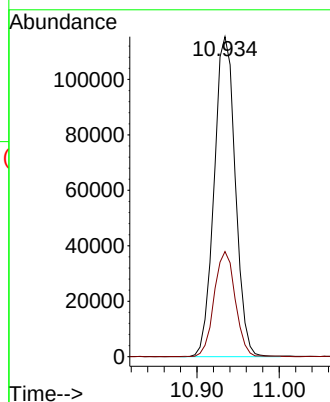
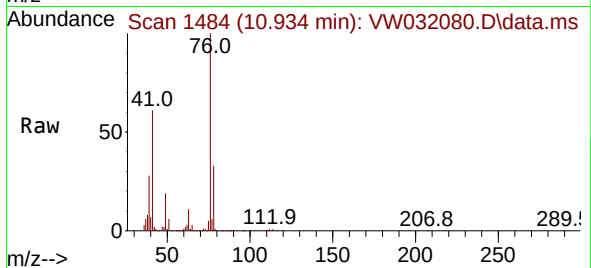




#57
1,3-Dichloropropane
Concen: 54.740 ug/l
RT: 10.934 min Scan# 1484
Delta R.T. -0.000 min
Lab File: VW032080.D
Acq: 14 Aug 2025 09:27

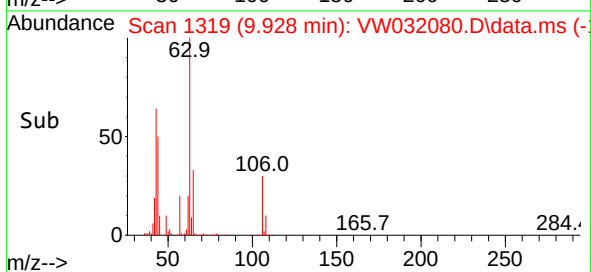
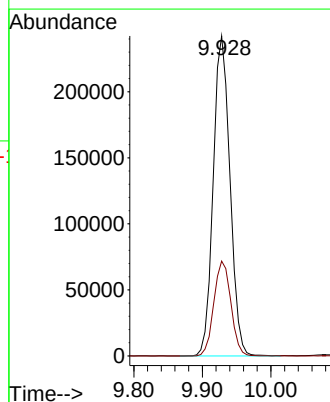
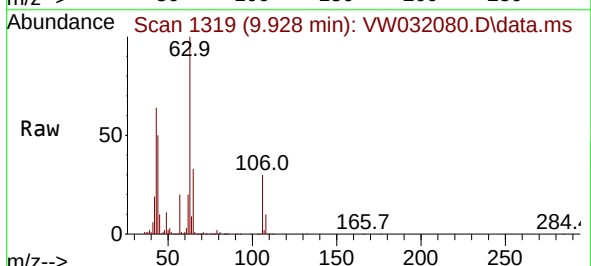
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

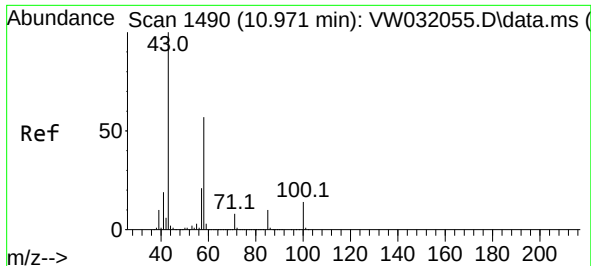
Tgt Ion: 76 Resp: 206568
Ion Ratio Lower Upper
76 100
78 32.9 25.8 38.6



#58
2-Chloroethyl Vinyl ether
Concen: 256.070 ug/l
RT: 9.928 min Scan# 1319
Delta R.T. -0.000 min
Lab File: VW032080.D
Acq: 14 Aug 2025 09:27

Tgt Ion: 63 Resp: 410338
Ion Ratio Lower Upper
63 100
106 30.1 23.5 35.3

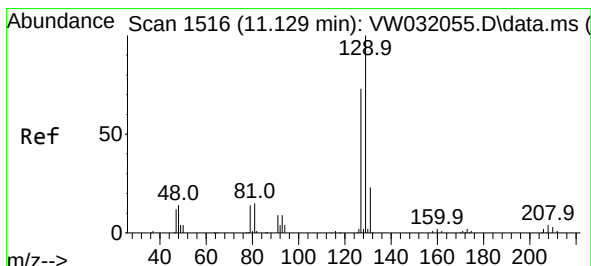
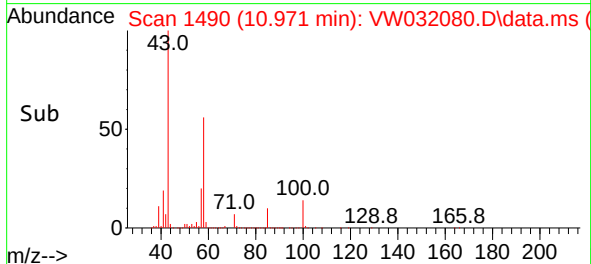
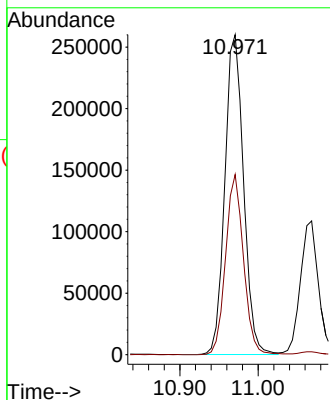
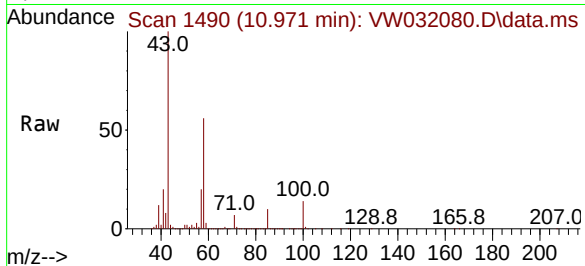




#59
2-Hexanone
Concen: 303.226 ug/l
RT: 10.971 min Scan# 1490
Delta R.T. -0.000 min
Lab File: VW032080.D
Acq: 14 Aug 2025 09:27

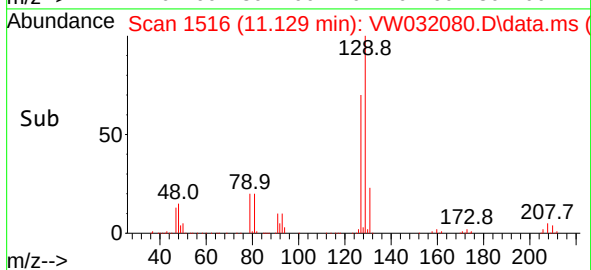
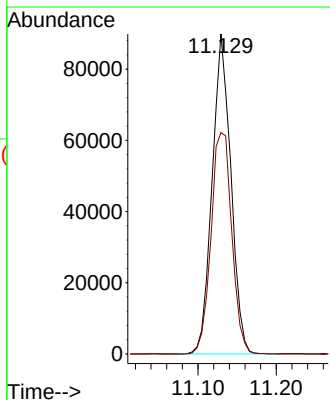
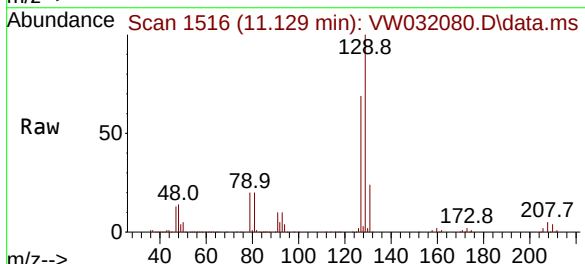
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

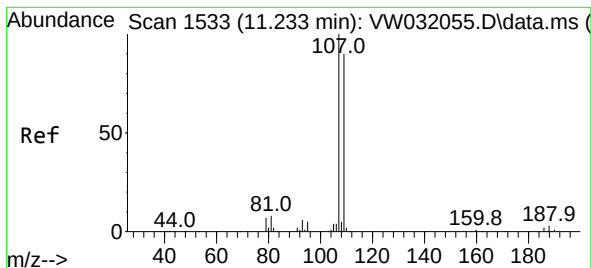
Tgt Ion: 43 Resp: 431742
Ion Ratio Lower Upper
43 100
58 53.9 28.3 85.0



#60
Dibromochloromethane
Concen: 60.364 ug/l
RT: 11.129 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VW032080.D
Acq: 14 Aug 2025 09:27

Tgt Ion:129 Resp: 149280
Ion Ratio Lower Upper
129 100
127 76.7 39.0 116.9

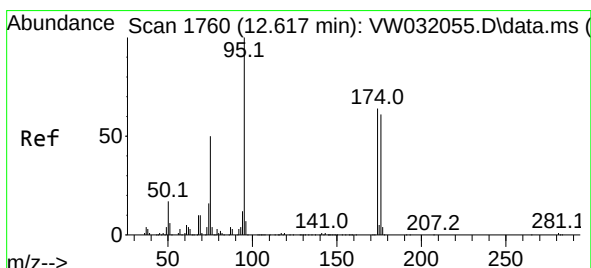
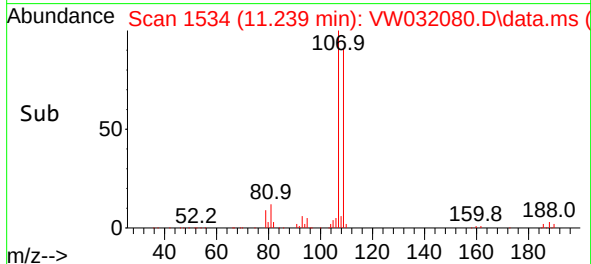
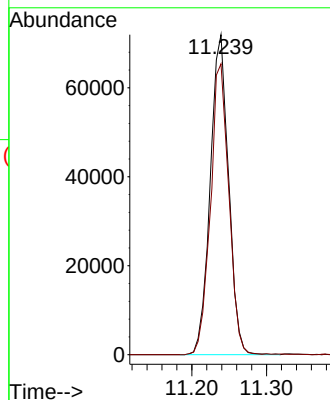
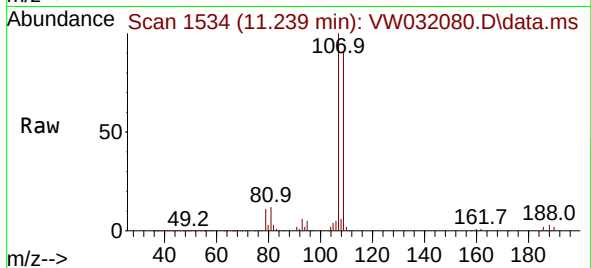




#61
1,2-Dibromoethane
Concen: 58.108 ug/l
RT: 11.239 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW032080.D
Acq: 14 Aug 2025 09:27

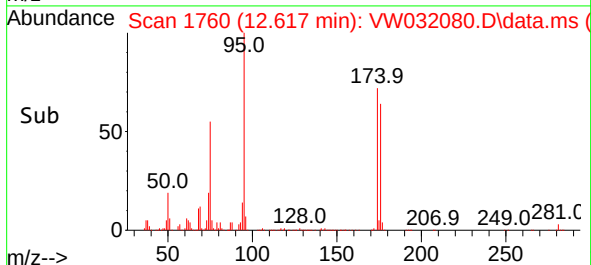
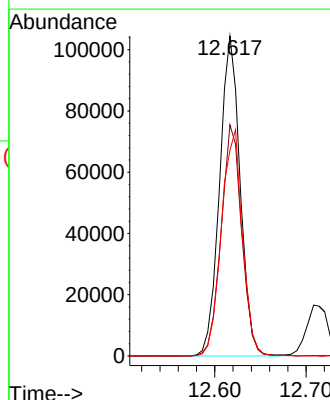
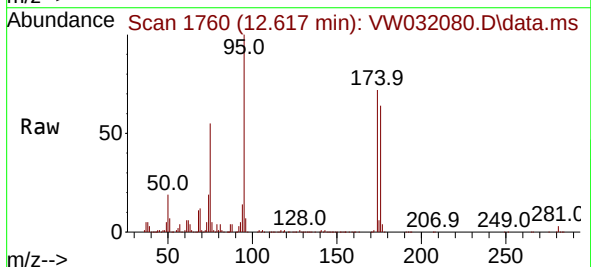
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

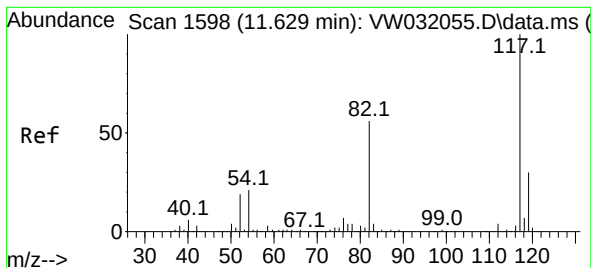
Tgt Ion:107 Resp: 122248
Ion Ratio Lower Upper
107 100
109 91.1 74.2 111.4



#62
4-Bromofluorobenzene
Concen: 50.275 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032080.D
Acq: 14 Aug 2025 09:27

Tgt Ion: 95 Resp: 163398
Ion Ratio Lower Upper
95 100
174 72.4 0.0 129.0
176 72.4 0.0 124.6

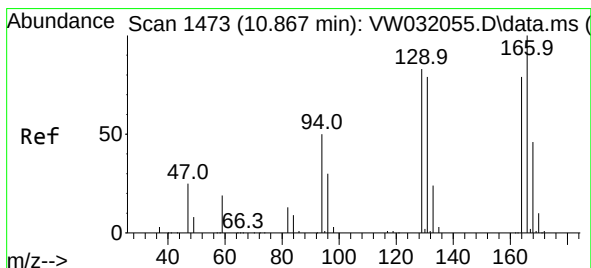
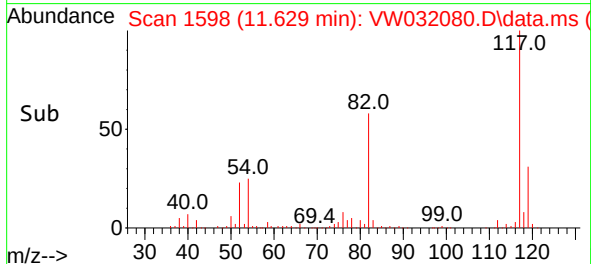
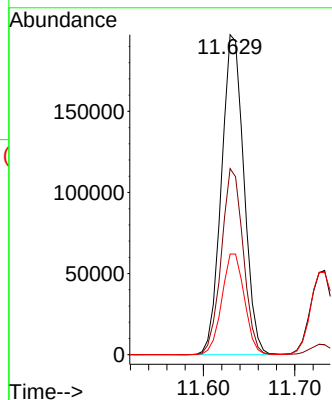
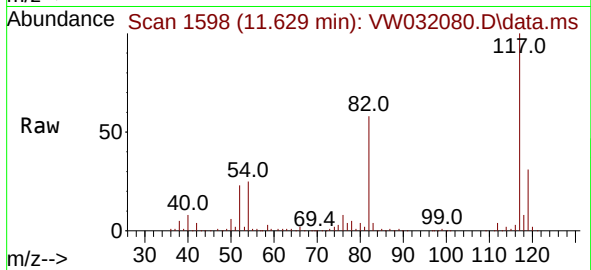




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW032080.D
Acq: 14 Aug 2025 09:27

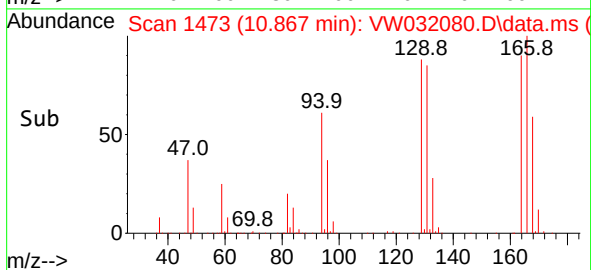
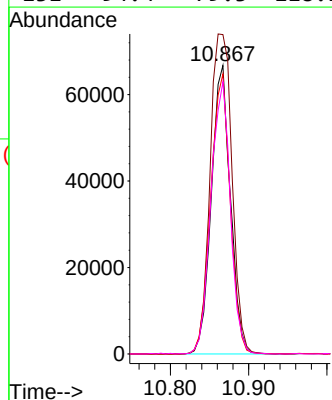
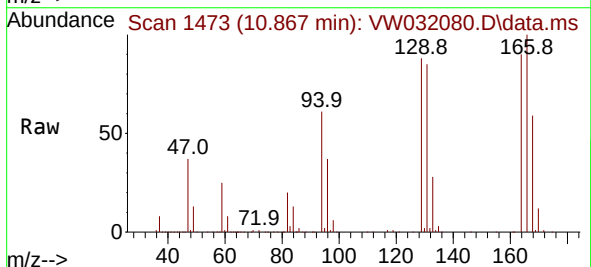
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

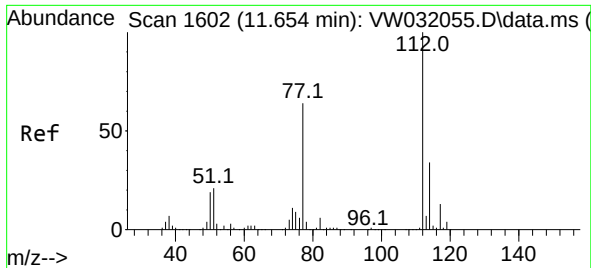
Tgt Ion:117 Resp: 337227
Ion Ratio Lower Upper
117 100
82 58.1 45.0 67.4
119 31.5 24.2 36.4



#64
Tetrachloroethene
Concen: 57.783 ug/l
RT: 10.867 min Scan# 1473
Delta R.T. -0.000 min
Lab File: VW032080.D
Acq: 14 Aug 2025 09:27

Tgt Ion:164 Resp: 112551
Ion Ratio Lower Upper
164 100
166 110.7 100.9 151.3
129 97.1 83.6 125.4
131 94.4 79.3 118.9

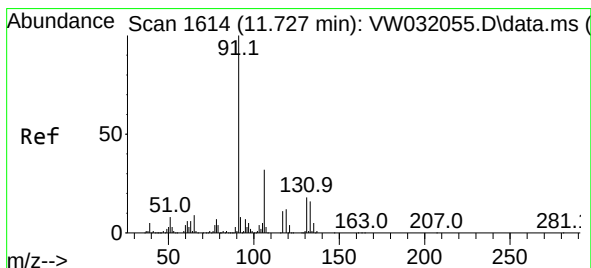
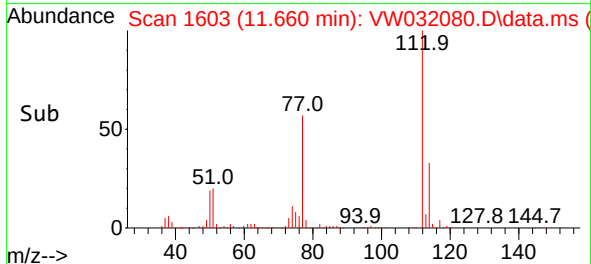
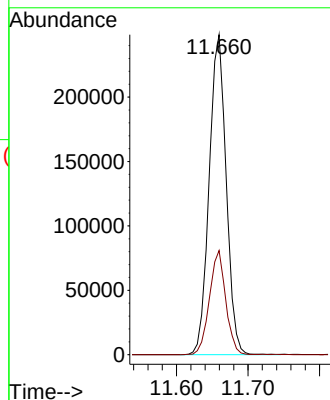
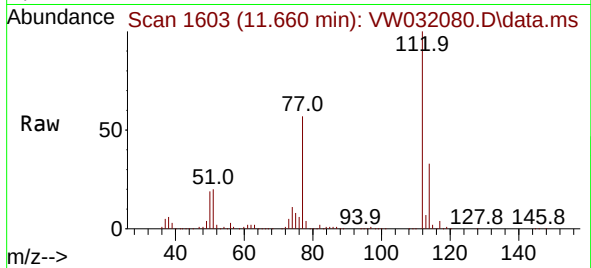




#65
Chlorobenzene
Concen: 55.882 ug/l
RT: 11.660 min Scan# 1112
Delta R.T. 0.006 min
Lab File: VW032080.D
Acq: 14 Aug 2025 09:27

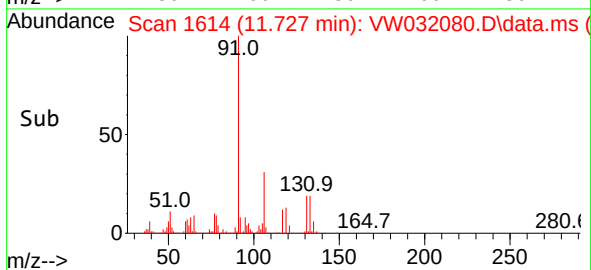
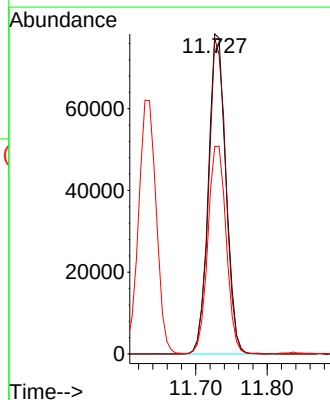
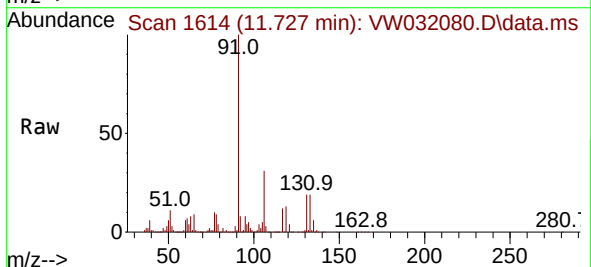
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

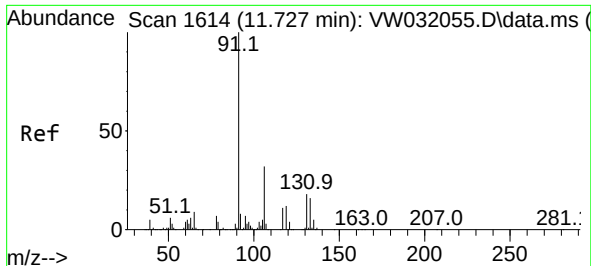
Tgt Ion:112 Resp: 410189
Ion Ratio Lower Upper
112 100
114 32.6 26.9 40.3



#66
1,1,1,2-Tetrachloroethane
Concen: 58.241 ug/l
RT: 11.727 min Scan# 1614
Delta R.T. -0.000 min
Lab File: VW032080.D
Acq: 14 Aug 2025 09:27

Tgt Ion:131 Resp: 133382
Ion Ratio Lower Upper
131 100
133 97.1 47.3 142.0
119 67.9 34.5 103.5





#67

Ethyl Benzene

Concen: 54.505 ug/l

RT: 11.733 min Scan# 1

Delta R.T. 0.006 min

Lab File: VW032080.D

Acq: 14 Aug 2025 09:27

Instrument :

MSVOA_W

ClientSampleId :

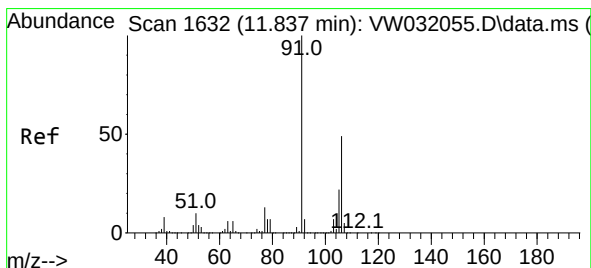
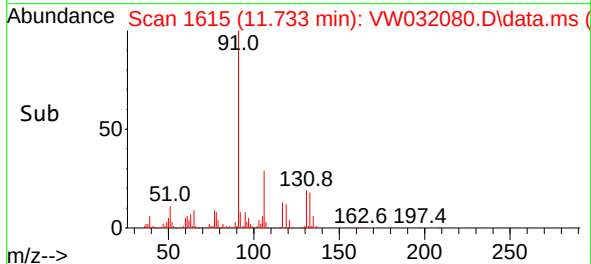
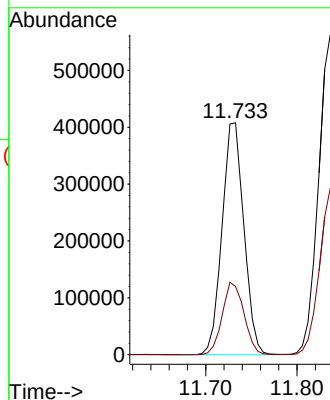
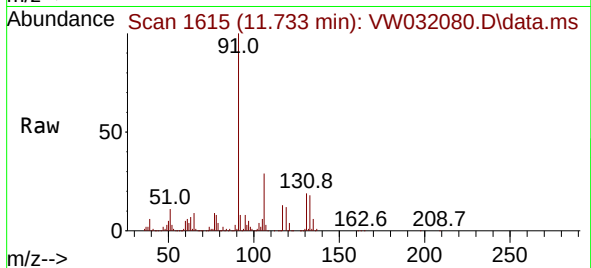
VSTDCCC050

Tgt Ion: 91 Resp: 677681

Ion Ratio Lower Upper

91 100

106 29.4 25.4 38.0



#68

m/p-Xylenes

Concen: 112.646 ug/l

RT: 11.836 min Scan# 1632

Delta R.T. -0.000 min

Lab File: VW032080.D

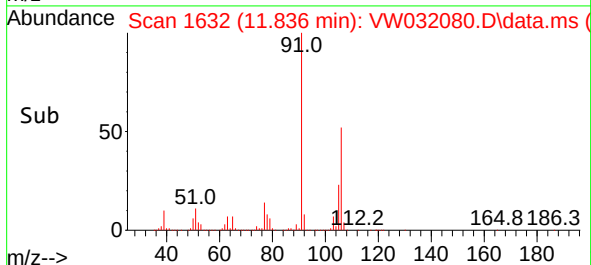
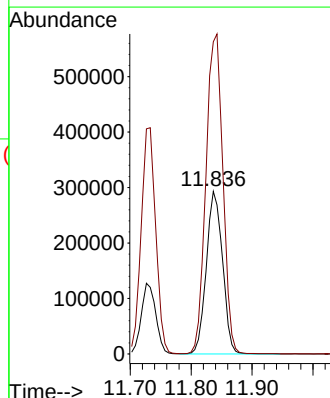
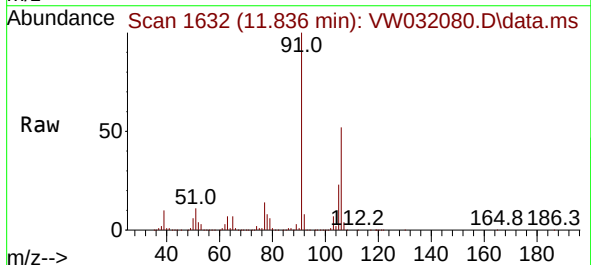
Acq: 14 Aug 2025 09:27

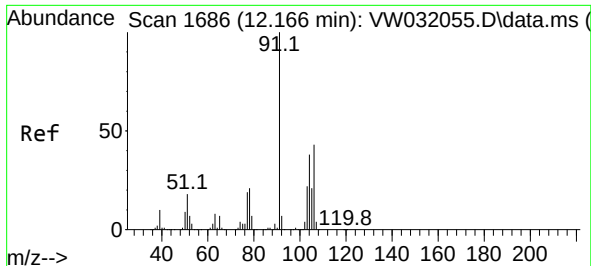
Tgt Ion:106 Resp: 540433

Ion Ratio Lower Upper

106 100

91 206.6 162.2 243.2

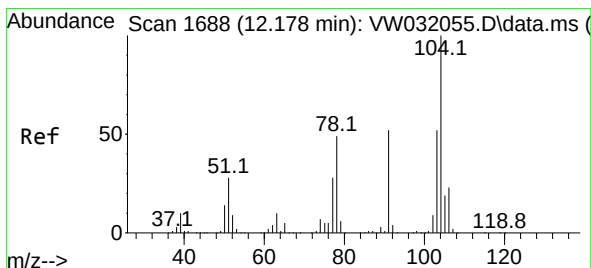
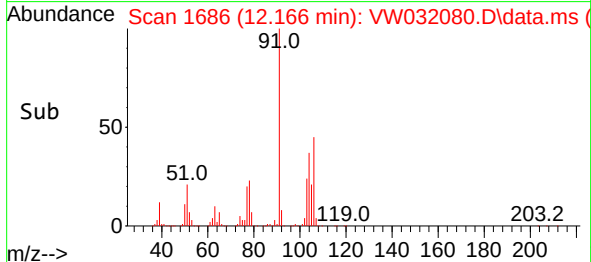
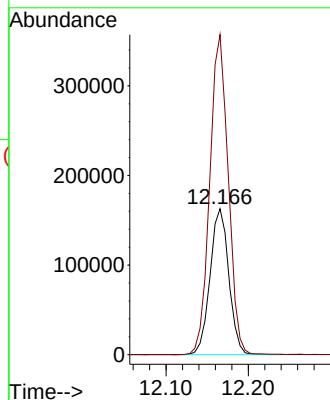
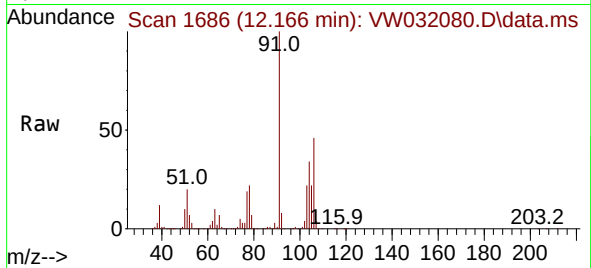




#69
o-Xylene
Concen: 58.137 ug/l
RT: 12.166 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VW032080.D
Acq: 14 Aug 2025 09:27

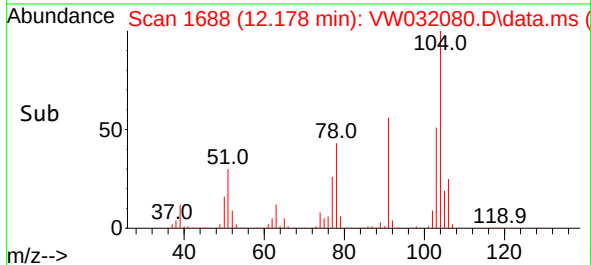
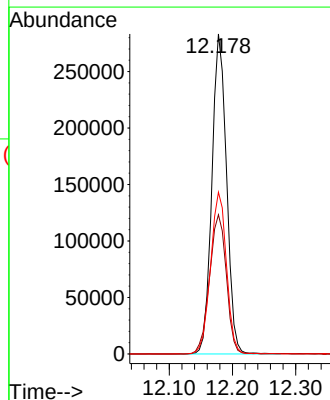
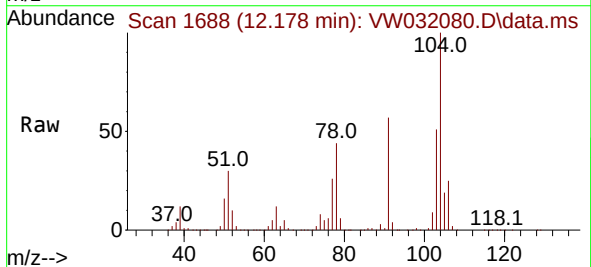
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

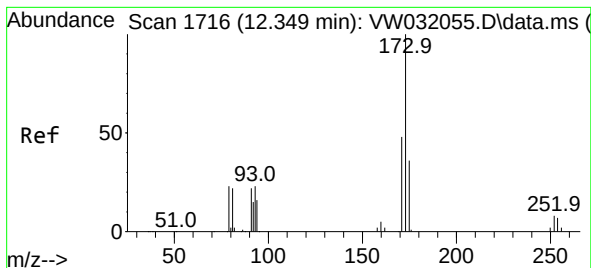
Tgt Ion:106 Resp: 257799
Ion Ratio Lower Upper
106 100
91 216.5 110.8 332.3



#70
Styrene
Concen: 57.835 ug/l
RT: 12.178 min Scan# 1688
Delta R.T. -0.000 min
Lab File: VW032080.D
Acq: 14 Aug 2025 09:27

Tgt Ion:104 Resp: 455535
Ion Ratio Lower Upper
104 100
78 49.8 41.2 61.8
103 55.0 43.8 65.8





#71

Bromoform

Concen: 63.831 ug/l

RT: 12.348 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW032080.D

Acq: 14 Aug 2025 09:27

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

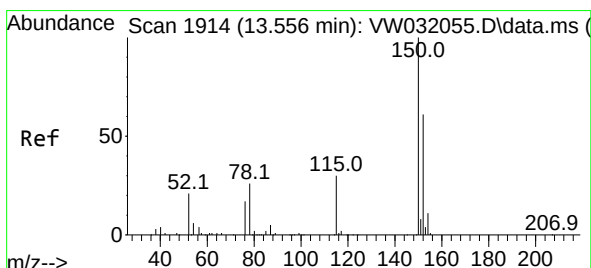
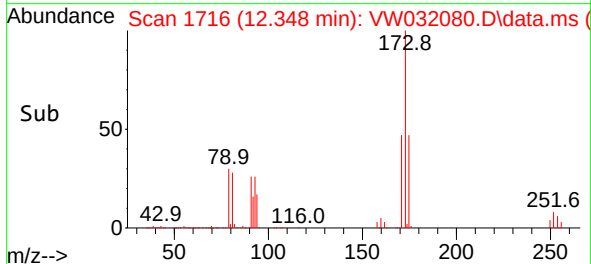
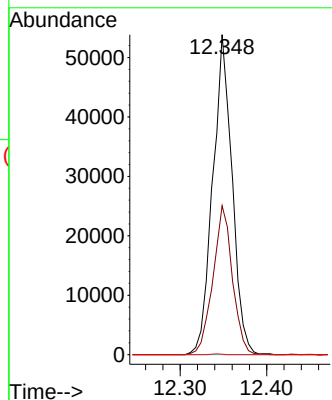
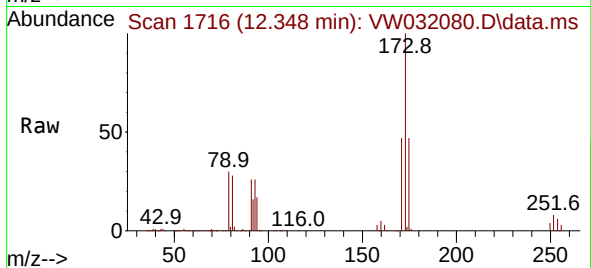
Tgt Ion:173 Resp: 83619

Ion Ratio Lower Upper

173 100

175 46.8 22.9 68.7

254 0.1 0.0 0.0#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.556 min Scan# 1914

Delta R.T. -0.000 min

Lab File: VW032080.D

Acq: 14 Aug 2025 09:27

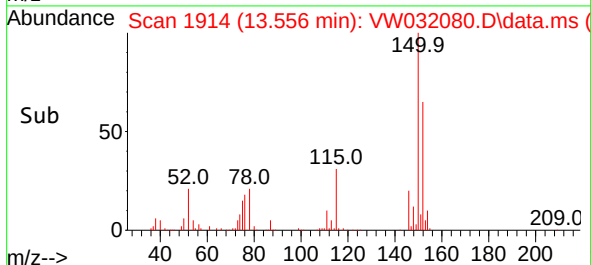
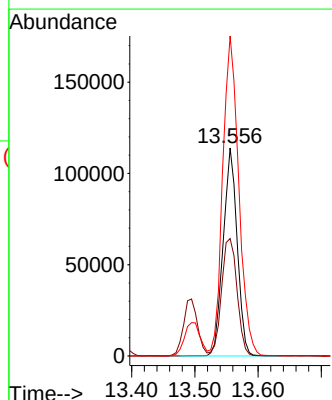
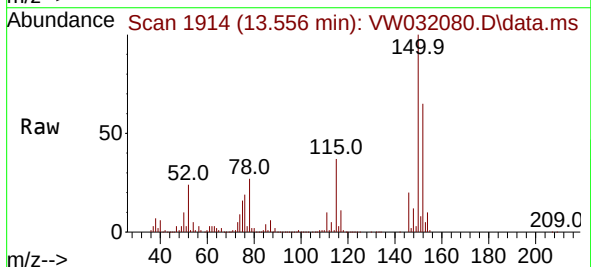
Tgt Ion:152 Resp: 174813

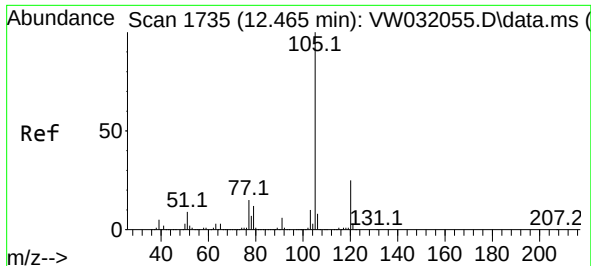
Ion Ratio Lower Upper

152 100

115 62.3 32.6 97.8

150 175.9 0.0 359.4

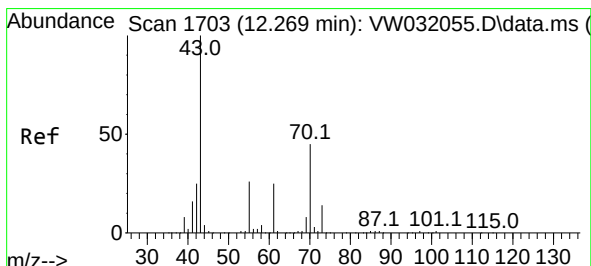
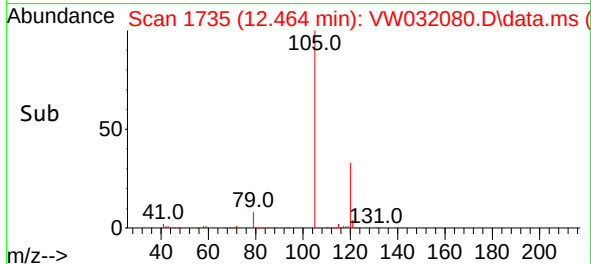
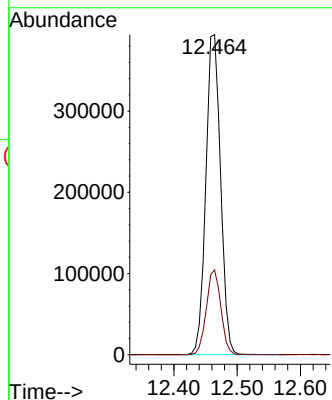
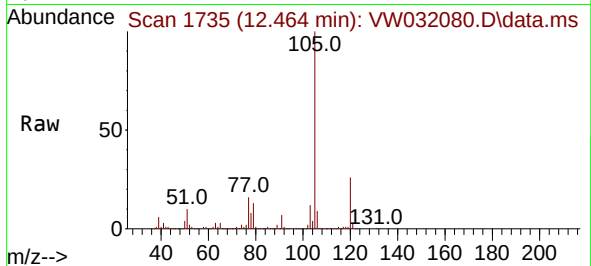




#73
Isopropylbenzene
Concen: 52.307 ug/l
RT: 12.464 min Scan# 1735
Delta R.T. -0.000 min
Lab File: VW032080.D
Acq: 14 Aug 2025 09:27

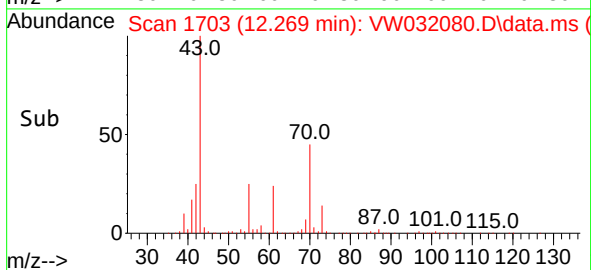
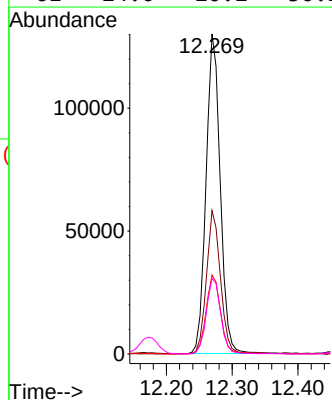
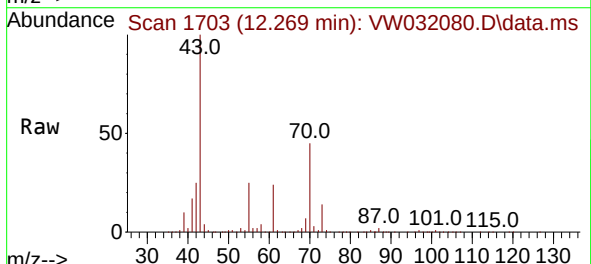
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

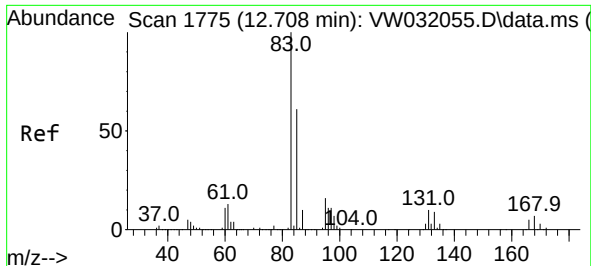
Tgt Ion:105 Resp: 639037
Ion Ratio Lower Upper
105 100
120 26.1 12.8 38.4



#74
N-ethyl acetate
Concen: 55.601 ug/l
RT: 12.269 min Scan# 1703
Delta R.T. -0.000 min
Lab File: VW032080.D
Acq: 14 Aug 2025 09:27

Tgt Ion: 43 Resp: 194883
Ion Ratio Lower Upper
43 100
70 44.4 37.0 55.4
55 25.6 21.1 31.7
61 24.0 20.2 30.2

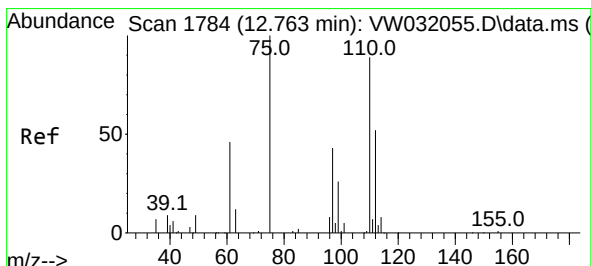
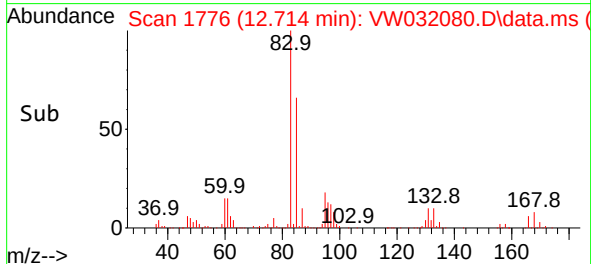
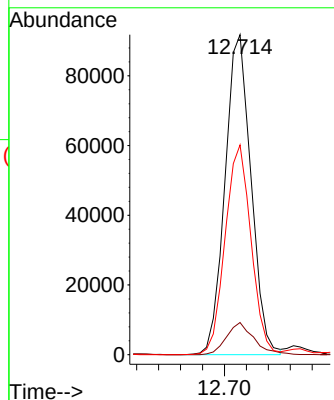
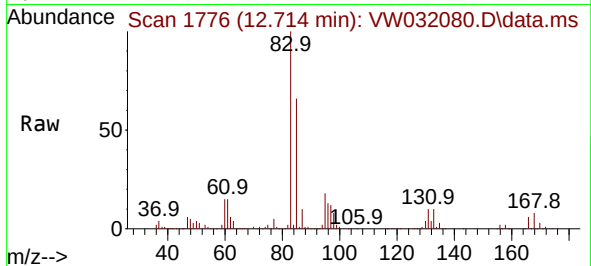




#75
1,1,2,2-Tetrachloroethane
Concen: 52.197 ug/l
RT: 12.714 min Scan# 1776
Delta R.T. 0.006 min
Lab File: VW032080.D
Acq: 14 Aug 2025 09:27

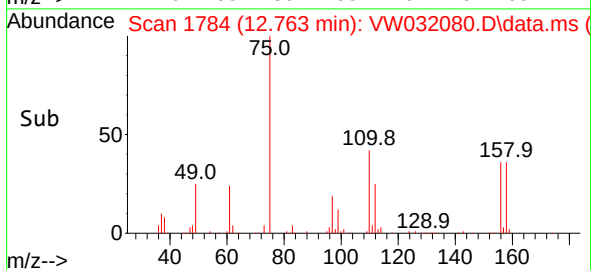
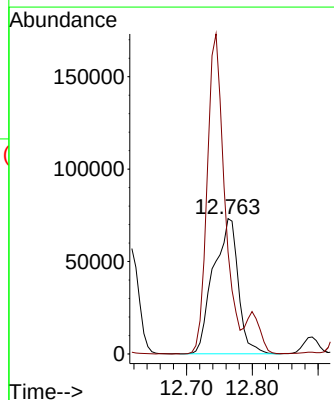
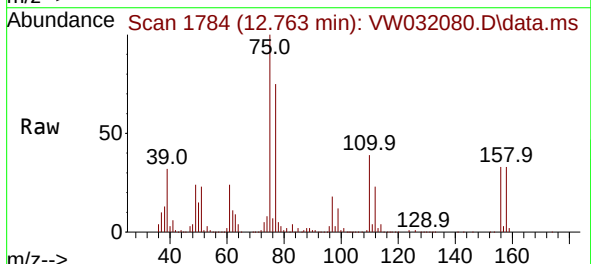
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

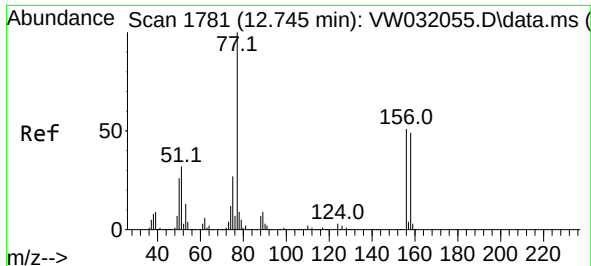
Tgt Ion: 83 Resp: 151408
Ion Ratio Lower Upper
83 100
131 10.6 5.1 15.4
85 65.3 32.2 96.6



#76
1,2,3-Trichloropropane
Concen: 80.822 ug/l
RT: 12.763 min Scan# 1784
Delta R.T. -0.000 min
Lab File: VW032080.D
Acq: 14 Aug 2025 09:27

Tgt Ion: 75 Resp: 191760
Ion Ratio Lower Upper
75 100
77 166.1 123.5 370.5

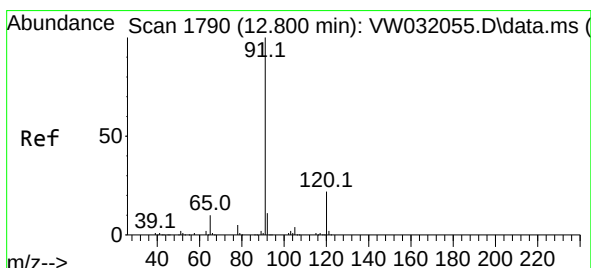
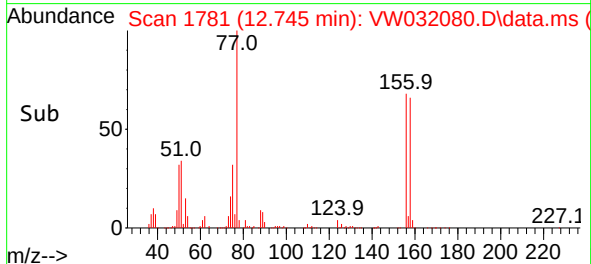
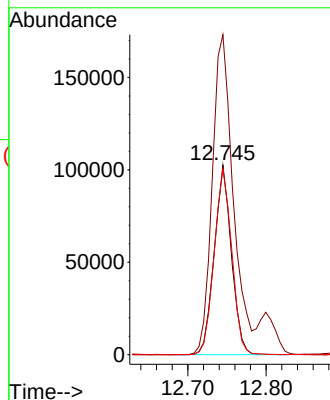
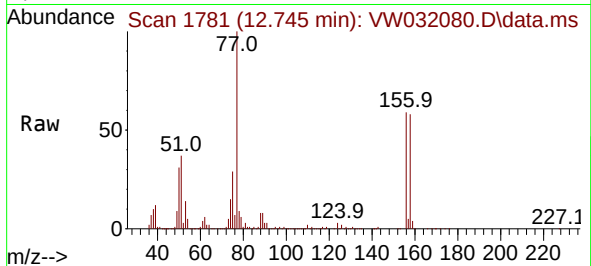




#77
Bromobenzene
Concen: 53.753 ug/l
RT: 12.745 min Scan# 1781
Delta R.T. -0.000 min
Lab File: VW032080.D
Acq: 14 Aug 2025 09:27

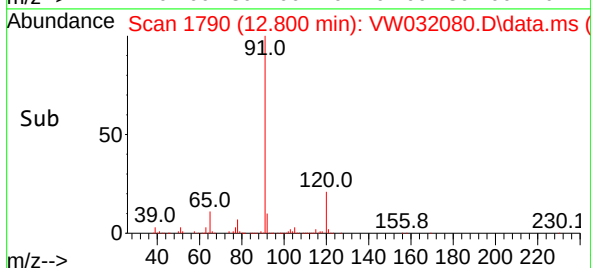
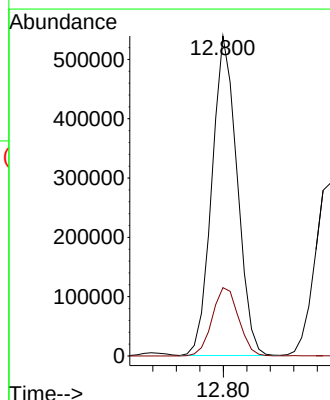
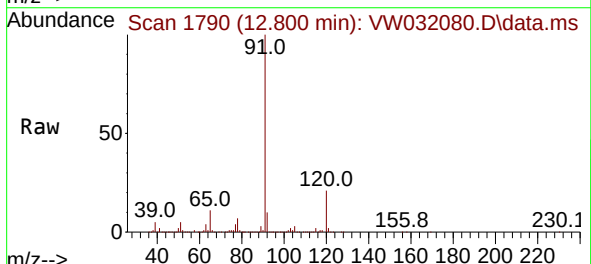
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

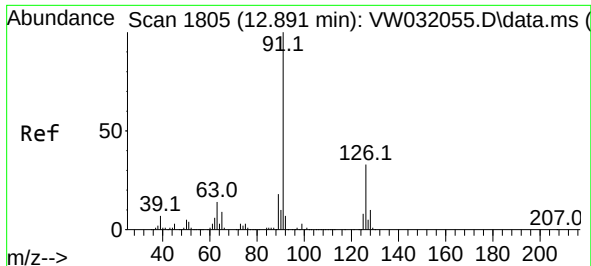
Tgt Ion:156 Resp: 156846
Ion Ratio Lower Upper
156 100
77 203.1 108.7 326.3
158 100.2 48.3 144.9



#78
n-propylbenzene
Concen: 53.406 ug/l
RT: 12.800 min Scan# 1790
Delta R.T. -0.000 min
Lab File: VW032080.D
Acq: 14 Aug 2025 09:27

Tgt Ion: 91 Resp: 803277
Ion Ratio Lower Upper
91 100
120 22.4 11.1 33.3

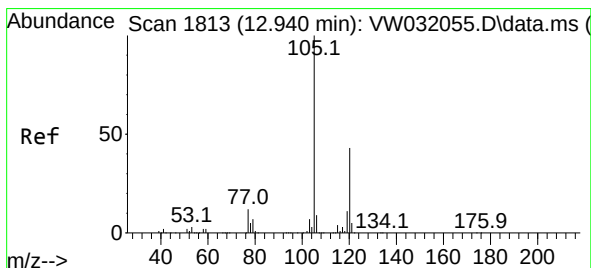
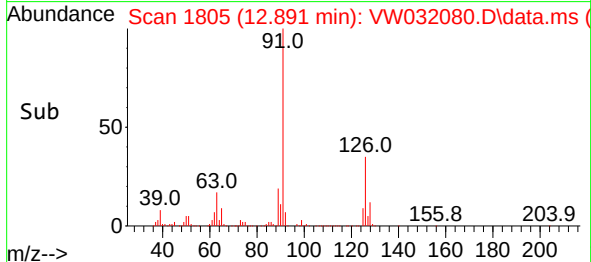
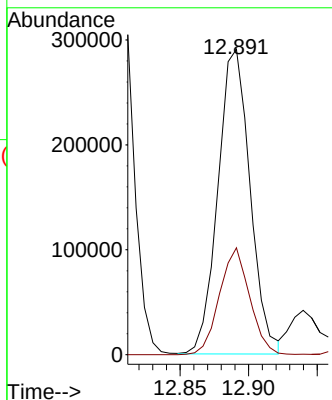
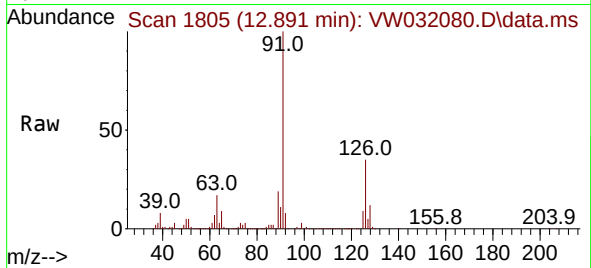




#79
2-Chlorotoluene
Concen: 51.172 ug/l
RT: 12.891 min Scan# 1805
Delta R.T. -0.000 min
Lab File: VW032080.D
Acq: 14 Aug 2025 09:27

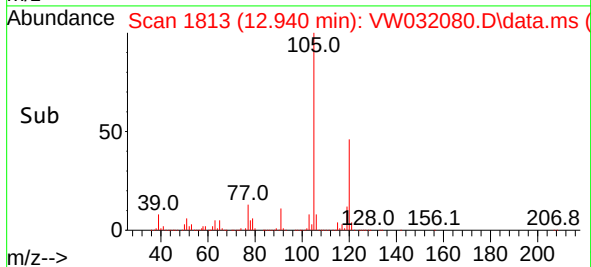
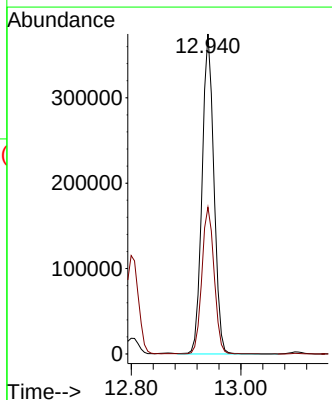
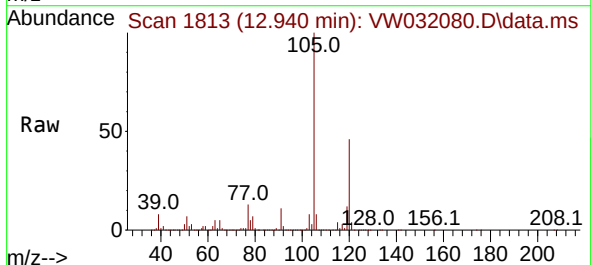
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

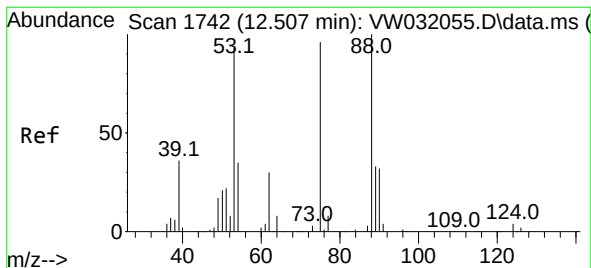
Tgt Ion: 91 Resp: 475026
Ion Ratio Lower Upper
91 100
126 33.0 15.9 47.7



#80
1,3,5-Trimethylbenzene
Concen: 53.983 ug/l
RT: 12.940 min Scan# 1813
Delta R.T. -0.000 min
Lab File: VW032080.D
Acq: 14 Aug 2025 09:27

Tgt Ion: 105 Resp: 559898
Ion Ratio Lower Upper
105 100
120 47.3 23.4 70.0

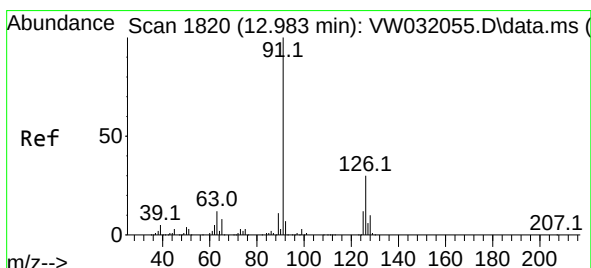
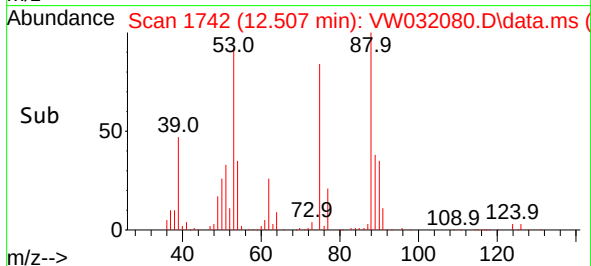
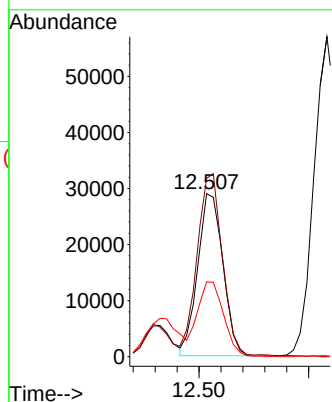
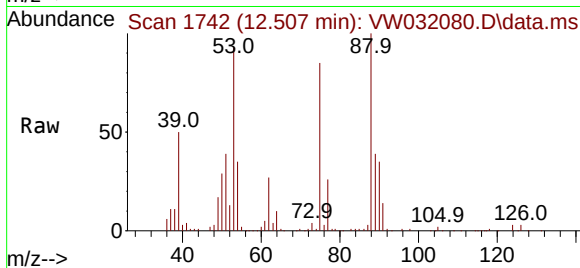




#81
trans-1,4-Dichloro-2-butene
Concen: 50.402 ug/l
RT: 12.507 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW032080.D
Acq: 14 Aug 2025 09:27

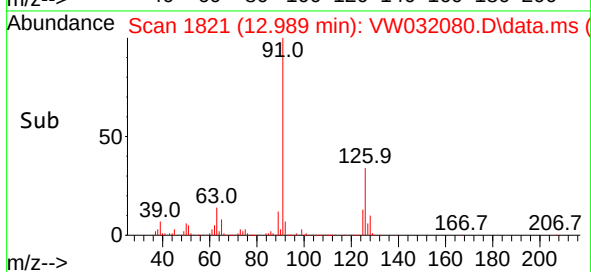
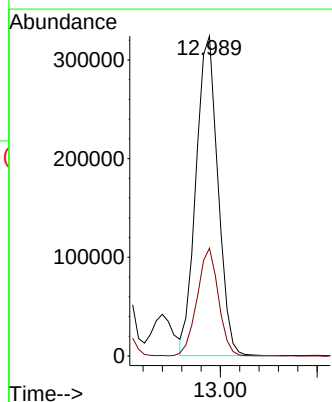
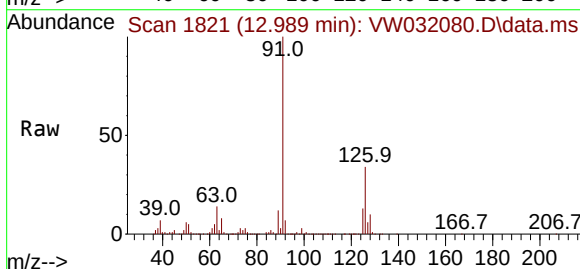
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

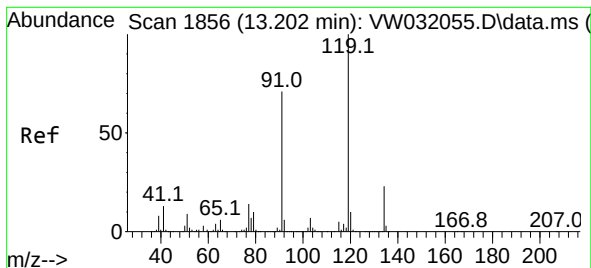
Tgt Ion:	75	Resp:	46191
Ion	Ratio	Lower	Upper
75	100		
53	113.8	81.0	121.6
89	48.0	37.3	55.9



#82
4-Chlorotoluene
Concen: 51.725 ug/l
RT: 12.989 min Scan# 1821
Delta R.T. 0.006 min
Lab File: VW032080.D
Acq: 14 Aug 2025 09:27

Tgt Ion:	91	Resp:	510140
Ion	Ratio	Lower	Upper
91	100		
126	32.9	15.5	46.5

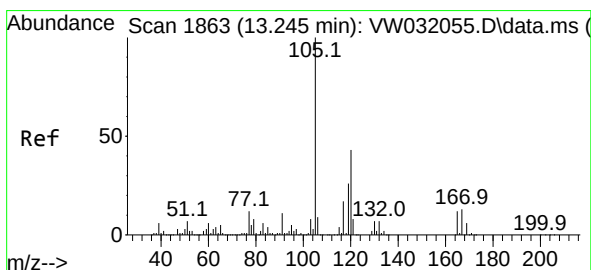
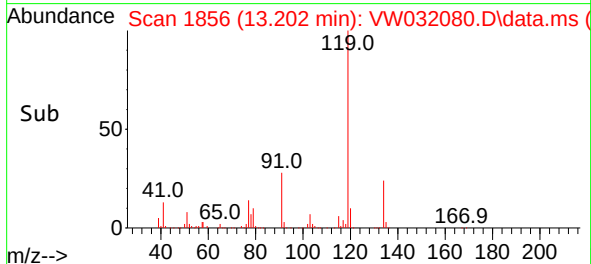
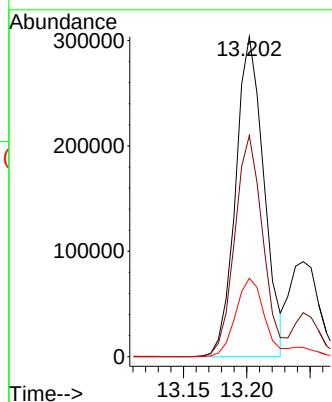
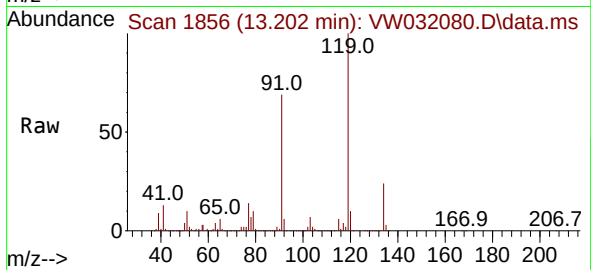




#83
tert-Butylbenzene
Concen: 54.905 ug/l
RT: 13.202 min Scan# 1856
Delta R.T. -0.000 min
Lab File: VW032080.D
Acq: 14 Aug 2025 09:27

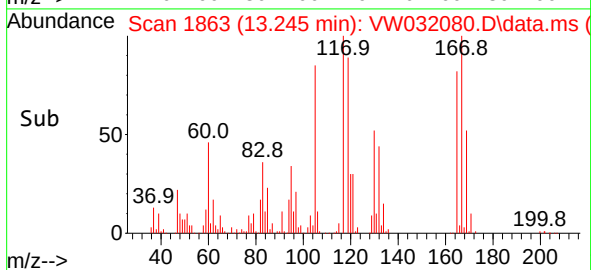
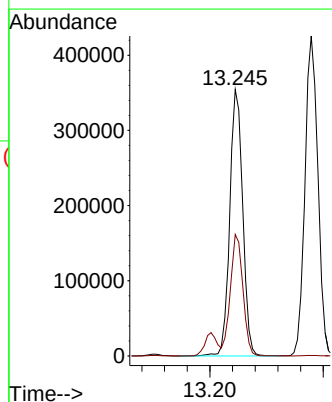
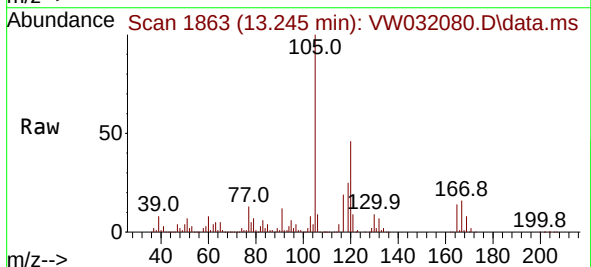
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

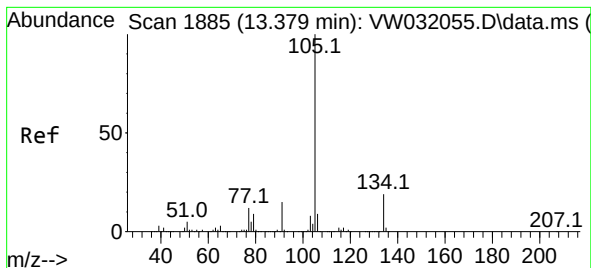
Tgt Ion:119 Resp: 472615
Ion Ratio Lower Upper
119 100
91 69.3 35.3 105.9
134 25.0 12.1 36.3



#84
1,2,4-Trimethylbenzene
Concen: 53.062 ug/l
RT: 13.245 min Scan# 1863
Delta R.T. -0.000 min
Lab File: VW032080.D
Acq: 14 Aug 2025 09:27

Tgt Ion:105 Resp: 560238
Ion Ratio Lower Upper
105 100
120 44.2 21.6 64.8

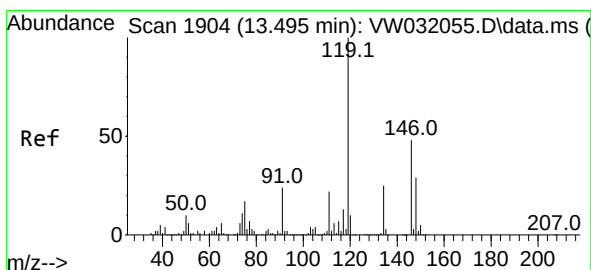
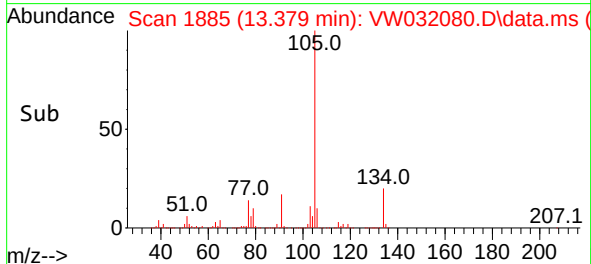
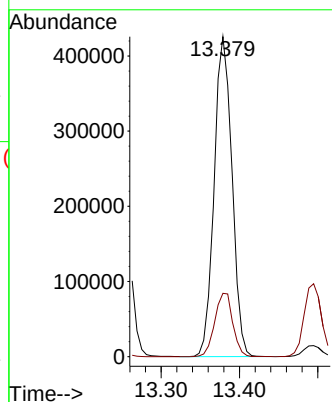
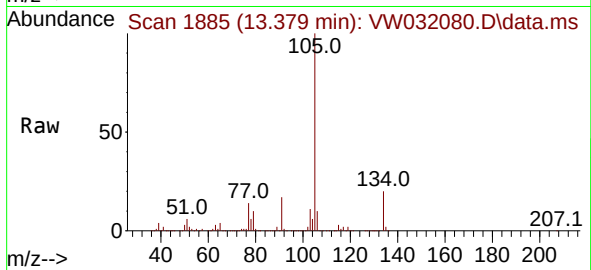




#85
 sec-Butylbenzene
 Concen: 51.695 ug/l
 RT: 13.379 min Scan# 1885
 Delta R.T. -0.000 min
 Lab File: VW032080.D
 Acq: 14 Aug 2025 09:27

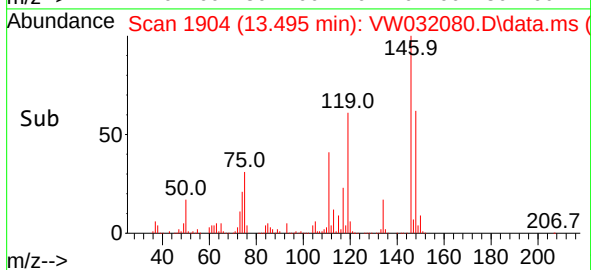
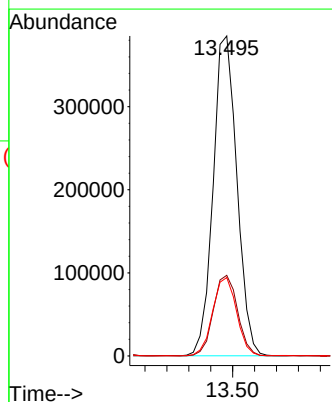
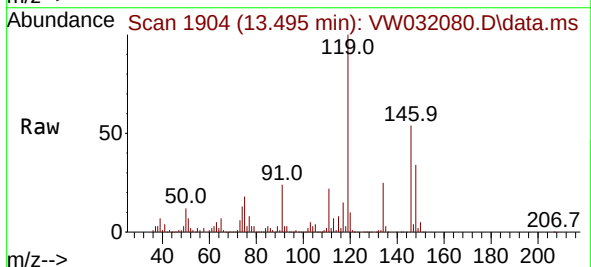
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

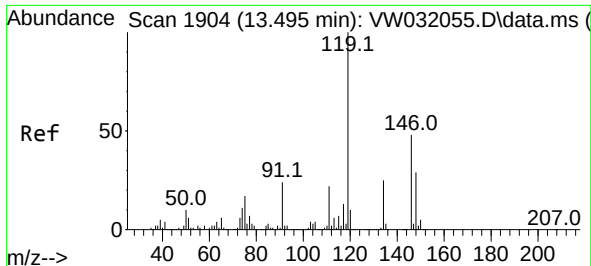
Tgt Ion:105 Resp: 672760
 Ion Ratio Lower Upper
 105 100
 134 20.1 9.9 29.7



#86
 p-Isopropyltoluene
 Concen: 53.502 ug/l
 RT: 13.495 min Scan# 1904
 Delta R.T. -0.000 min
 Lab File: VW032080.D
 Acq: 14 Aug 2025 09:27

Tgt Ion:119 Resp: 580472
 Ion Ratio Lower Upper
 119 100
 134 25.7 12.4 37.0
 91 24.7 12.1 36.3

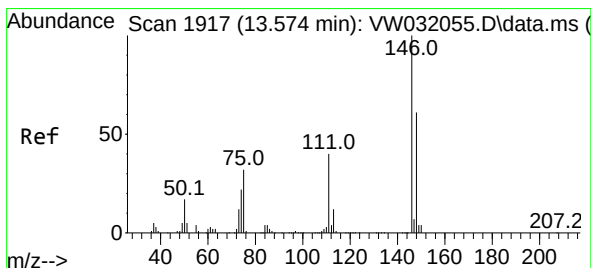
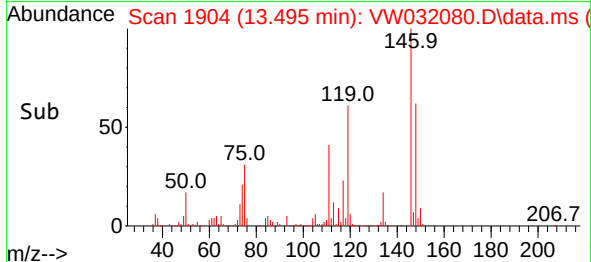
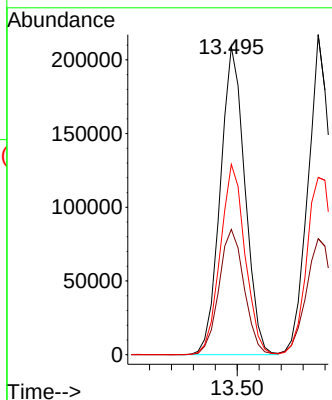
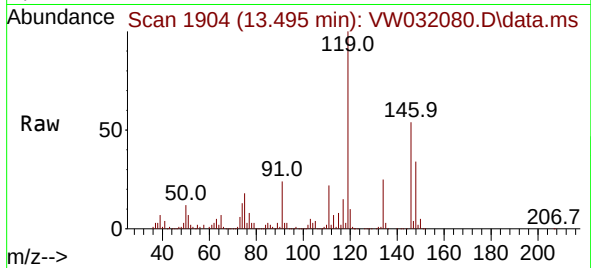




#87
1,3-Dichlorobenzene
Concen: 56.169 ug/l
RT: 13.495 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VW032080.D
Acq: 14 Aug 2025 09:27

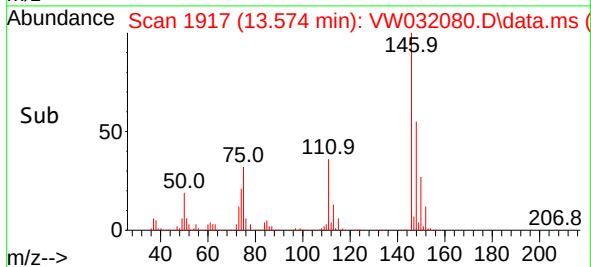
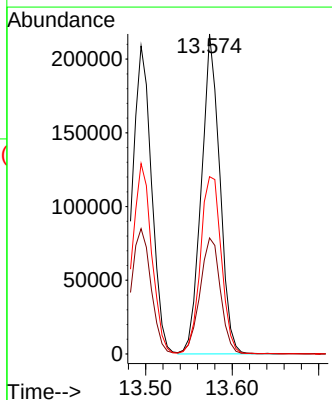
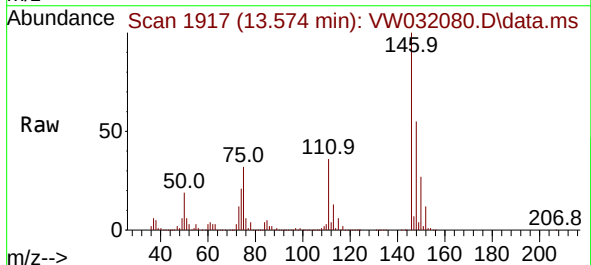
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

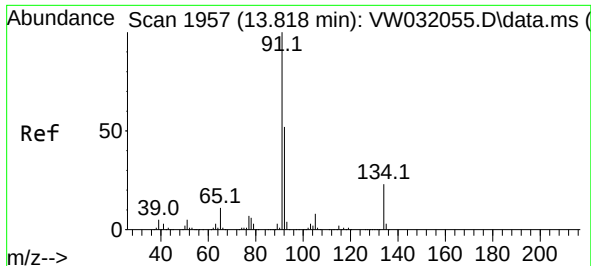
Tgt Ion:146 Resp: 326126
Ion Ratio Lower Upper
146 100
111 41.6 21.2 63.6
148 62.1 30.3 90.8



#88
1,4-Dichlorobenzene
Concen: 54.595 ug/l
RT: 13.574 min Scan# 1917
Delta R.T. -0.000 min
Lab File: VW032080.D
Acq: 14 Aug 2025 09:27

Tgt Ion:146 Resp: 320333
Ion Ratio Lower Upper
146 100
111 40.3 21.6 64.6
148 62.9 32.0 96.2





#89

n-Butylbenzene

Concen: 53.618 ug/l

RT: 13.818 min Scan# 1957

Delta R.T. -0.000 min

Lab File: VW032080.D

Acq: 14 Aug 2025 09:27

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

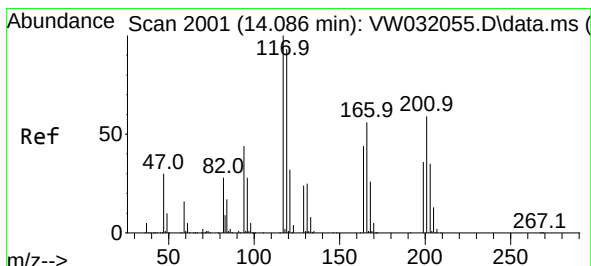
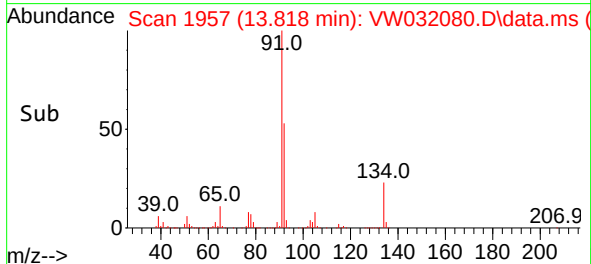
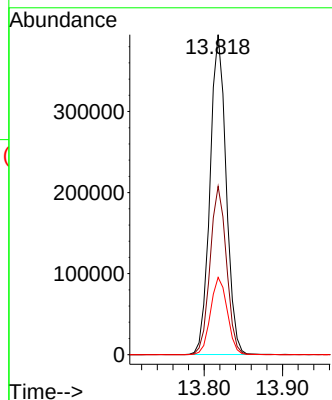
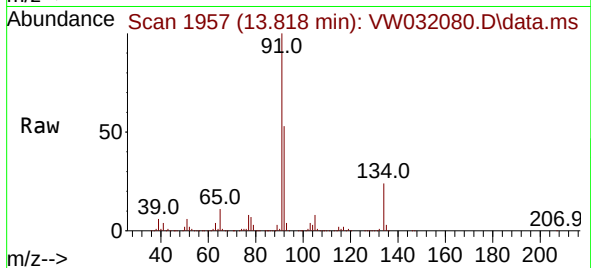
Tgt Ion: 91 Resp: 565150

Ion Ratio Lower Upper

91 100

92 53.4 26.7 80.1

134 25.0 12.0 36.1



#90

Hexachloroethane

Concen: 51.649 ug/l

RT: 14.086 min Scan# 2001

Delta R.T. -0.000 min

Lab File: VW032080.D

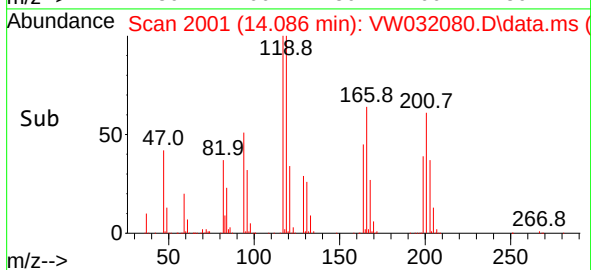
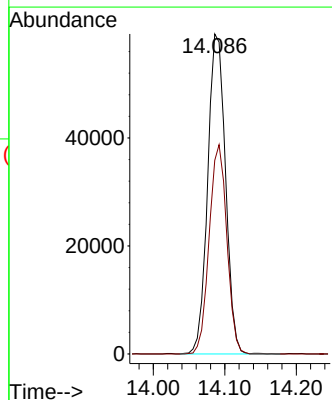
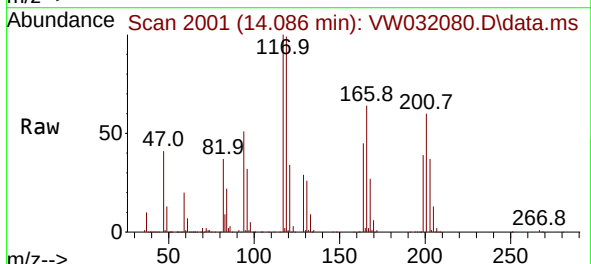
Acq: 14 Aug 2025 09:27

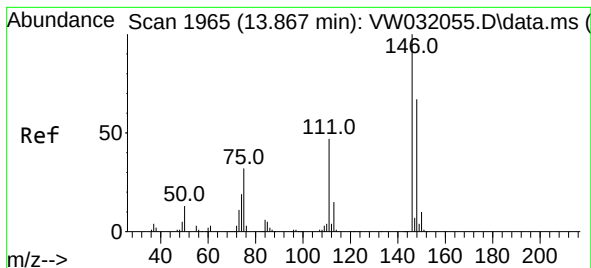
Tgt Ion: 117 Resp: 102479

Ion Ratio Lower Upper

117 100

201 64.8 30.9 92.5





#91

1,2-Dichlorobenzene

Concen: 56.464 ug/l

RT: 13.866 min Scan# 1965

Delta R.T. -0.000 min

Lab File: VW032080.D

Acq: 14 Aug 2025 09:27

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

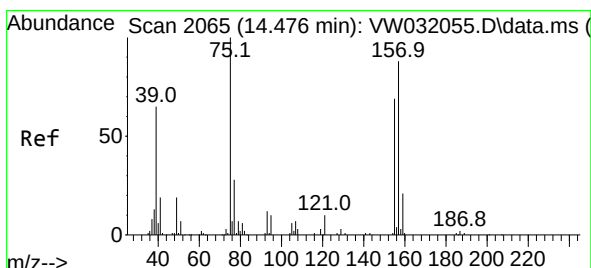
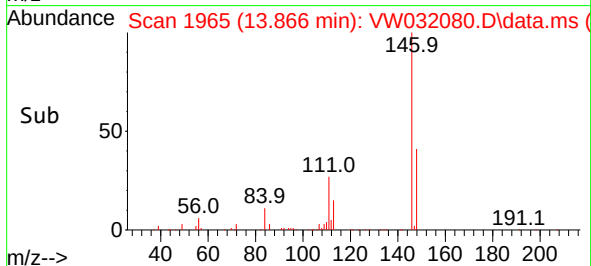
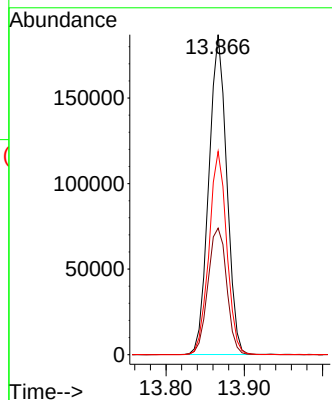
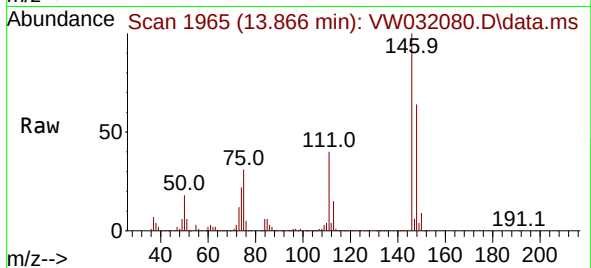
Tgt Ion:146 Resp: 296975

Ion Ratio Lower Upper

146 100

111 41.7 23.1 69.3

148 62.9 32.9 98.6



#92

1,2-Dibromo-3-Chloropropane

Concen: 52.473 ug/l

RT: 14.482 min Scan# 2066

Delta R.T. 0.006 min

Lab File: VW032080.D

Acq: 14 Aug 2025 09:27

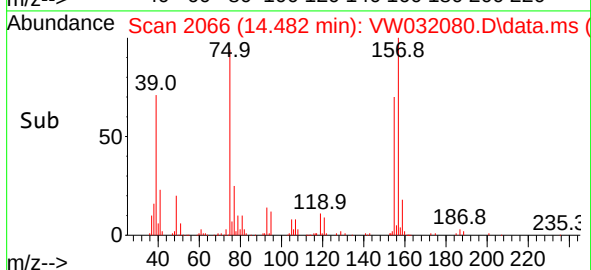
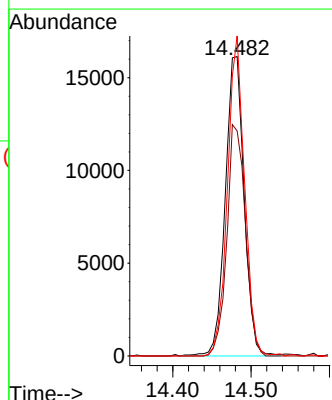
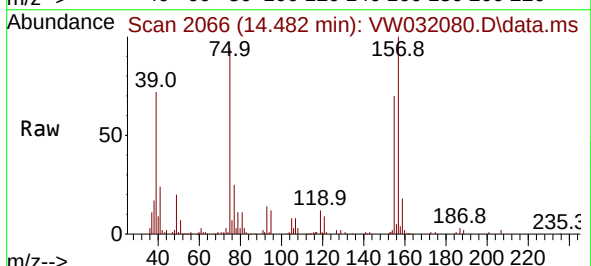
Tgt Ion: 75 Resp: 27059

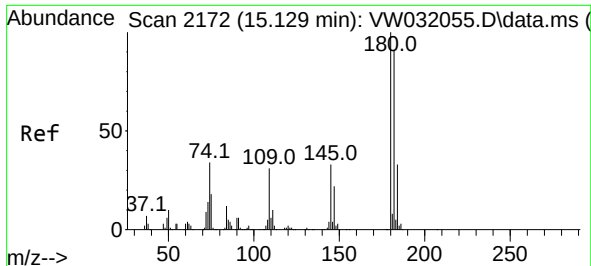
Ion Ratio Lower Upper

75 100

155 75.8 35.2 105.6

157 96.7 47.5 142.6

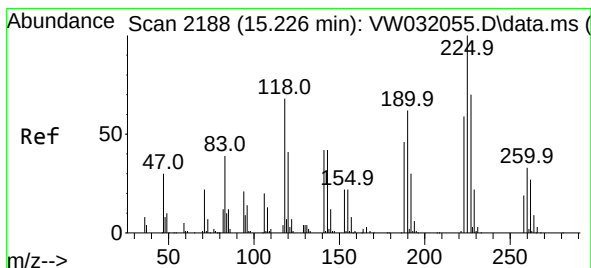
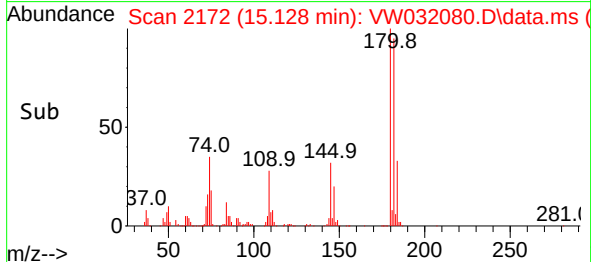
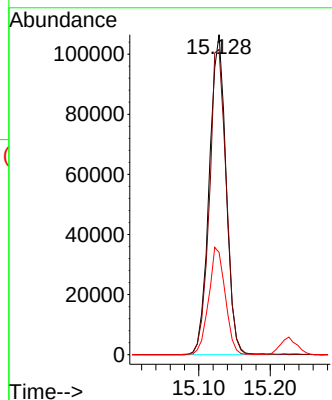
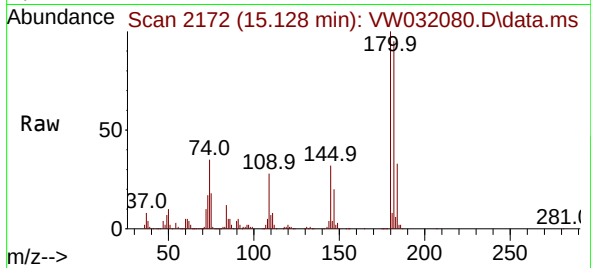




#93
1,2,4-Trichlorobenzene
Concen: 55.052 ug/l
RT: 15.128 min Scan# 2172
Delta R.T. -0.000 min
Lab File: VW032080.D
Acq: 14 Aug 2025 09:27

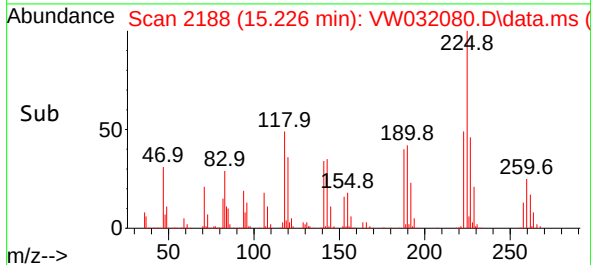
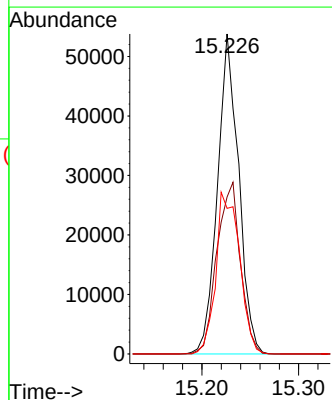
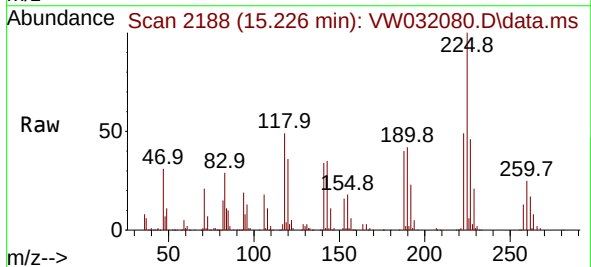
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

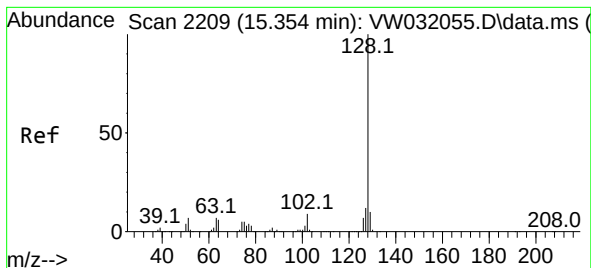
Tgt Ion:180 Resp: 173211
Ion Ratio Lower Upper
180 100
182 96.0 49.0 147.0
145 33.3 17.3 51.9



#94
Hexachlorobutadiene
Concen: 57.968 ug/l
RT: 15.226 min Scan# 2188
Delta R.T. -0.000 min
Lab File: VW032080.D
Acq: 14 Aug 2025 09:27

Tgt Ion:225 Resp: 81528
Ion Ratio Lower Upper
225 100
223 59.7 31.8 95.3
227 56.6 33.5 100.5





#95

Naphthalene

Concen: 57.653 ug/l

RT: 15.360 min Scan# 21

Delta R.T. 0.006 min

Lab File: VW032080.D

Acq: 14 Aug 2025 09:27

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

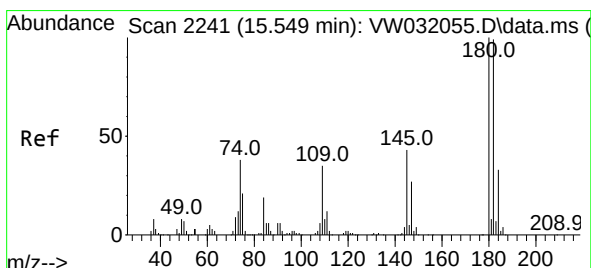
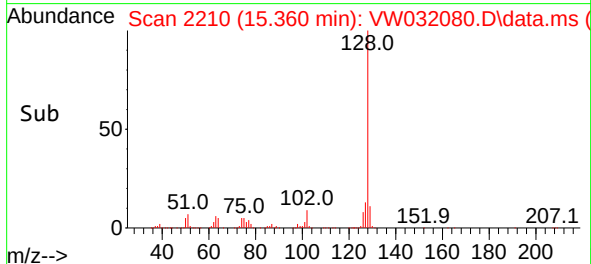
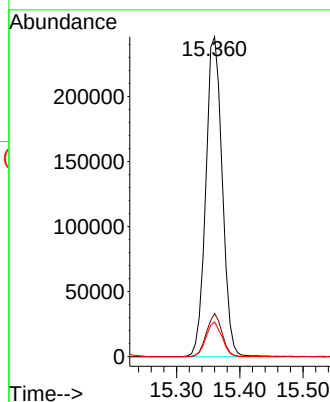
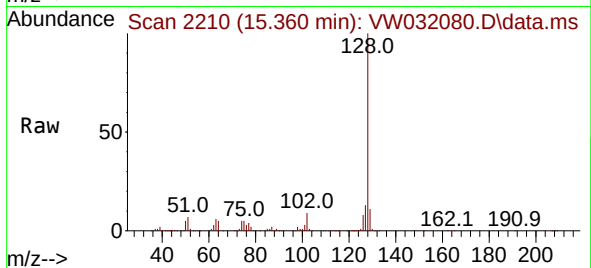
Tgt Ion:128 Resp: 444478

Ion Ratio Lower Upper

128 100

127 12.8 10.5 15.7

129 10.6 8.2 12.4



#96

1,2,3-Trichlorobenzene

Concen: 56.917 ug/l

RT: 15.543 min Scan# 2240

Delta R.T. -0.006 min

Lab File: VW032080.D

Acq: 14 Aug 2025 09:27

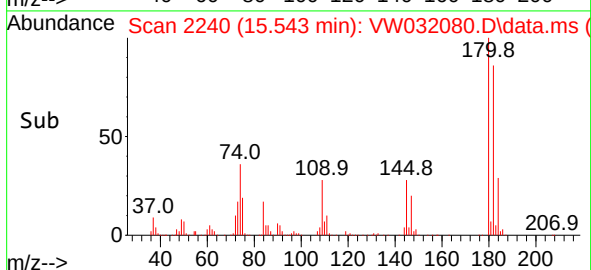
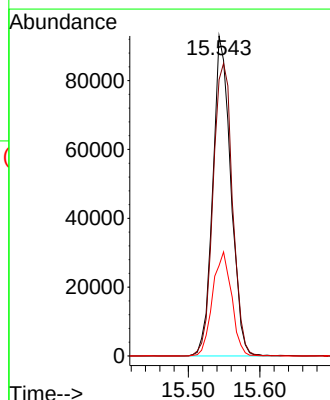
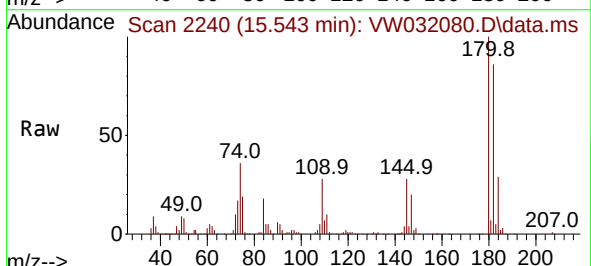
Tgt Ion:180 Resp: 162937

Ion Ratio Lower Upper

180 100

182 98.6 46.0 138.0

145 34.3 19.2 57.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
 Data File : VW032082.D
 Acq On : 14 Aug 2025 10:27
 Operator : SY/MD
 Sample : VW0814SBS01
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0814SBS01

Quant Time: Aug 18 03:47:20 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 12 04:04:48 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.959	168	208549	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	361028	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	335310	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	173541	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	148274	49.159	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	98.320%
35) Dibromofluoromethane	7.898	113	124570	53.409	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	106.820%
50) Toluene-d8	10.325	98	447242	51.843	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	103.680%
62) 4-Bromofluorobenzene	12.617	95	156394	49.195	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	98.380%

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	2.039	85	32981	22.111	ug/l	95
3) Chloromethane	2.253	50	36714	18.273	ug/l	100
4) Vinyl Chloride	2.405	62	47688	19.622	ug/l	91
5) Bromomethane	2.820	94	39599	21.718	ug/l	97
6) Chloroethane	2.966	64	32544	20.236	ug/l	97
7) Trichlorofluoromethane	3.295	101	36751	18.876	ug/l	93
8) Diethyl Ether	3.716	74	31522	19.762	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.094	101	50221	21.864	ug/l	97
10) Methyl Iodide	4.301	142	63316	19.442	ug/l	96
11) Tert butyl alcohol	5.222	59	17609	90.159	ug/l #	86
12) 1,1-Dichloroethene	4.076	96	54130	21.402	ug/l	99
13) Acrolein	3.923	56	25014	80.380	ug/l	99
14) Allyl chloride	4.704	41	62252	16.912	ug/l	89
15) Acrylonitrile	5.393	53	66066	86.957	ug/l	97
16) Acetone	4.155	43	81154	116.212	ug/l	96
17) Carbon Disulfide	4.417	76	118861	17.509	ug/l	97
18) Methyl Acetate	4.704	43	37911	17.156	ug/l	99
19) Methyl tert-butyl Ether	5.460	73	80442	18.051	ug/l	97
20) Methylene Chloride	4.947	84	56840	17.604	ug/l	99
21) trans-1,2-Dichloroethene	5.454	96	49845	18.571	ug/l	97
22) Diisopropyl ether	6.337	45	139100	17.925	ug/l	93
23) Vinyl Acetate	6.283	43	471681	92.580	ug/l	99
24) 1,1-Dichloroethane	6.240	63	90076	18.168	ug/l	99
25) 2-Butanone	7.191	43	94859	95.576	ug/l	99
26) 2,2-Dichloropropane	7.185	77	46011	18.498	ug/l	100
27) cis-1,2-Dichloroethene	7.185	96	59218	18.875	ug/l	96
28) Bromochloromethane	7.526	49	43295	19.189	ug/l	94
29) Tetrahydrofuran	7.551	42	57438	87.753	ug/l	98
30) Chloroform	7.691	83	102932	19.583	ug/l	96
31) Cyclohexane	7.965	56	74302	17.286	ug/l	96
32) 1,1,1-Trichloroethane	7.892	97	74063	19.399	ug/l	99
36) 1,1-Dichloropropene	8.093	75	67400	20.499	ug/l	100
37) Ethyl Acetate	7.276	43	39578	20.438	ug/l	97
38) Carbon Tetrachloride	8.087	117	70115	22.097	ug/l	98
39) Methylcyclohexane	9.343	83	75369	18.806	ug/l	96
40) Benzene	8.331	78	208337	20.384	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
 Data File : VW032082.D
 Acq On : 14 Aug 2025 10:27
 Operator : SY/MD
 Sample : VW0814SBS01
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0814SBS01

Quant Time: Aug 18 03:47:20 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 12 04:04:48 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.502	41	20590	18.749	ug/l	92
42) 1,2-Dichloroethane	8.410	62	71790	21.951	ug/l	99
43) Isopropyl Acetate	8.435	43	69849	19.605	ug/l	99
44) Trichloroethene	9.099	130	50257	20.648	ug/l	97
45) 1,2-Dichloropropane	9.374	63	48874	19.794	ug/l	99
46) Dibromomethane	9.465	93	34741	21.800	ug/l	99
47) Bromodichloromethane	9.648	83	77846	21.199	ug/l	98
48) Methyl methacrylate	9.441	41	32666	18.991	ug/l #	92
49) 1,4-Dioxane	9.459	88	7897	383.262	ug/l #	79
51) 4-Methyl-2-Pentanone	10.209	43	207218	103.043	ug/l	96
52) Toluene	10.392	92	132319	20.554	ug/l	99
53) t-1,3-Dichloropropene	10.605	75	66557	19.346	ug/l	98
54) cis-1,3-Dichloropropene	10.075	75	77941	19.970	ug/l	93
55) 1,1,2-Trichloroethane	10.788	97	43846	20.705	ug/l	96
56) Ethyl methacrylate	10.648	69	54454	19.216	ug/l #	94
57) 1,3-Dichloropropane	10.934	76	75241	20.384	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.928	63	150289	95.881	ug/l	99
59) 2-Hexanone	10.971	43	145508	104.476	ug/l	94
60) Dibromochloromethane	11.129	129	52415	21.668	ug/l	97
61) 1,2-Dibromoethane	11.239	107	43206	20.995	ug/l	100
64) Tetrachloroethene	10.867	164	41545	21.451	ug/l	94
65) Chlorobenzene	11.660	112	148850	20.395	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.727	131	49016	21.525	ug/l	96
67) Ethyl Benzene	11.727	91	249471	20.179	ug/l	98
68) m/p-Xylenes	11.836	106	191394	40.121	ug/l	96
69) o-Xylene	12.166	106	87428	19.829	ug/l	98
70) Styrene	12.178	104	157674	20.133	ug/l	100
71) Bromoform	12.349	173	28805	22.114	ug/l #	99
73) Isopropylbenzene	12.464	105	234043	19.298	ug/l	98
74) N-amyl acetate	12.269	43	63547	18.263	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.714	83	55414	19.244	ug/l	99
76) 1,2,3-Trichloropropane	12.763	75	67514	28.664	ug/l	55
77) Bromobenzene	12.745	156	58767	20.288	ug/l	89
78) n-propylbenzene	12.800	91	293106	19.630	ug/l	99
79) 2-Chlorotoluene	12.885	91	172088	18.674	ug/l	96
80) 1,3,5-Trimethylbenzene	12.940	105	199943	19.419	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.507	75	14926	16.406	ug/l #	84
82) 4-Chlorotoluene	12.983	91	186440	19.042	ug/l	98
83) tert-Butylbenzene	13.202	119	162438	19.009	ug/l	99
84) 1,2,4-Trimethylbenzene	13.245	105	204141	19.477	ug/l	97
85) sec-Butylbenzene	13.379	105	246430	19.074	ug/l	100
86) p-Isopropyltoluene	13.495	119	210533	19.547	ug/l	99
87) 1,3-Dichlorobenzene	13.495	146	123661	21.455	ug/l	97
88) 1,4-Dichlorobenzene	13.574	146	112801	19.366	ug/l	96
89) n-Butylbenzene	13.818	91	203065	19.407	ug/l	97
90) Hexachloroethane	14.086	117	37065	18.817	ug/l	97
91) 1,2-Dichlorobenzene	13.867	146	109453	20.963	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	14.482	75	9291	18.149	ug/l	95
93) 1,2,4-Trichlorobenzene	15.123	180	60665	19.423	ug/l	99
94) Hexachlorobutadiene	15.226	225	28357	20.310	ug/l	99
95) Naphthalene	15.360	128	136270	17.805	ug/l	98
96) 1,2,3-Trichlorobenzene	15.549	180	56830	19.997	ug/l	95

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
Data File : VW032082.D
Acq On : 14 Aug 2025 10:27
Operator : SY/MD
Sample : VW0814SBS01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0814SBS01

Quant Time: Aug 18 03:47:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 12 04:04:48 2025
Response via : Initial Calibration

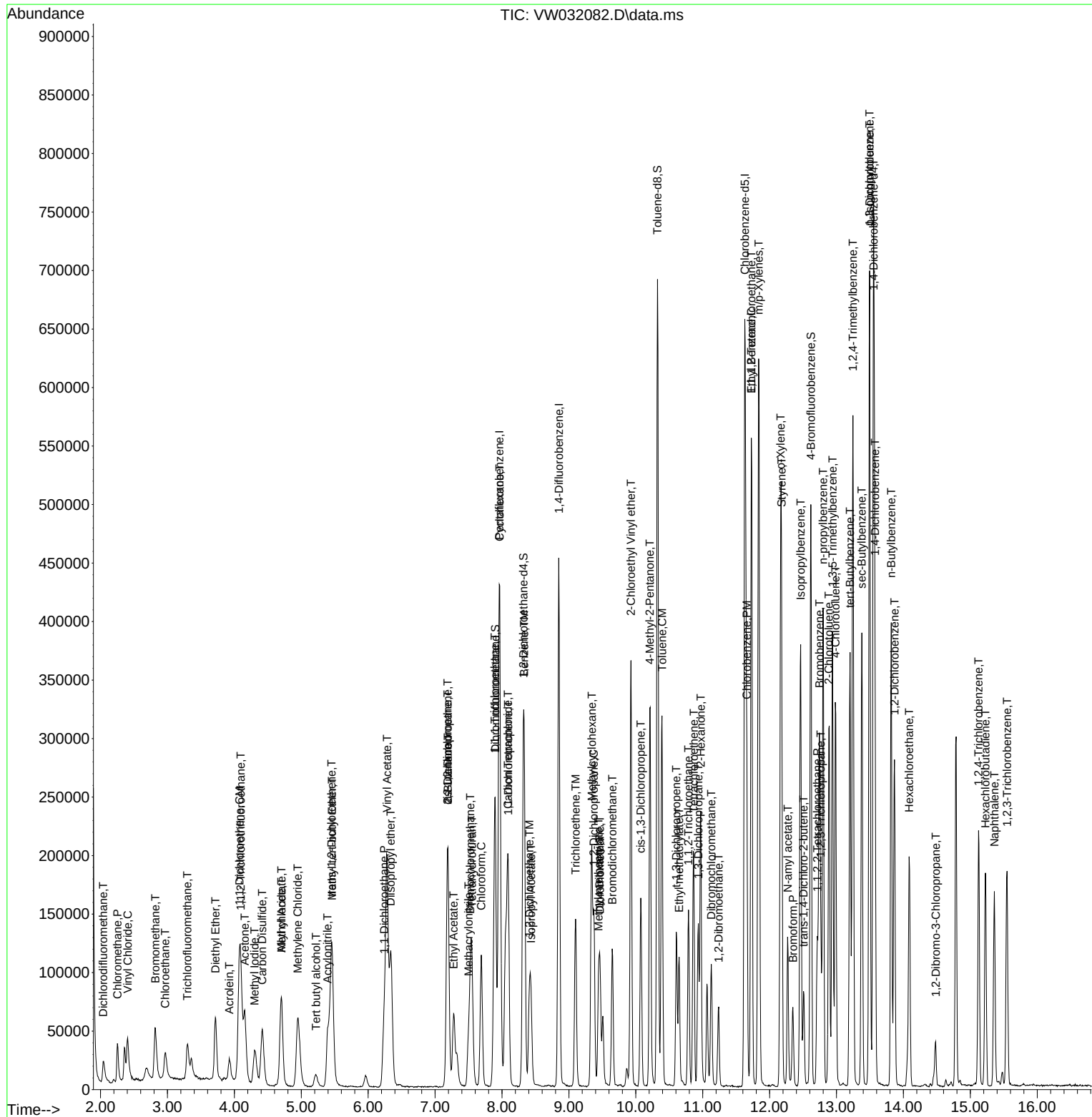
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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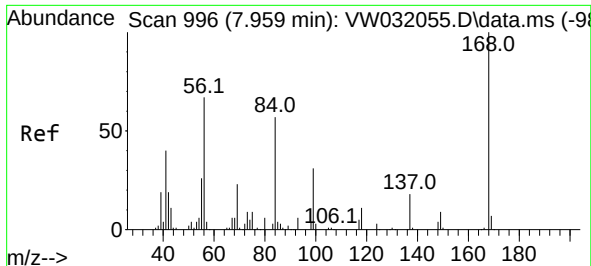
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
Data File : VW032082.D
Acq On : 14 Aug 2025 10:27
Operator : SY/MD
Sample : VW0814SBS01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0814SBS01

Quant Time: Aug 18 03:47:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 12 04:04:48 2025
Response via : Initial Calibration

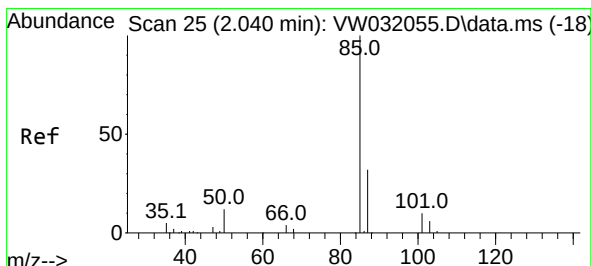
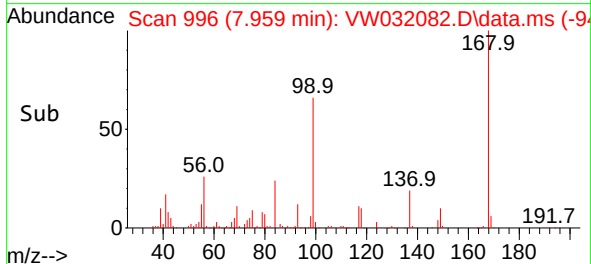
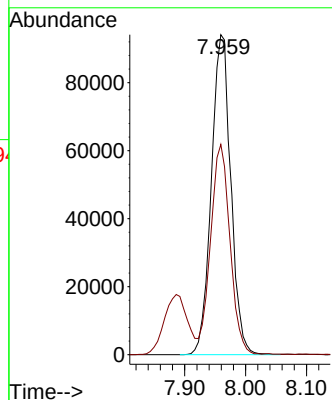
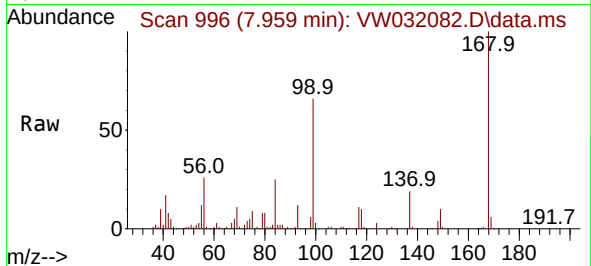




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 99
Delta R.T. 0.000 min
Lab File: VW032082.D
Acq: 14 Aug 2025 10:27

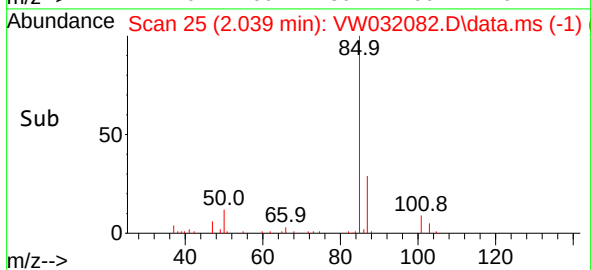
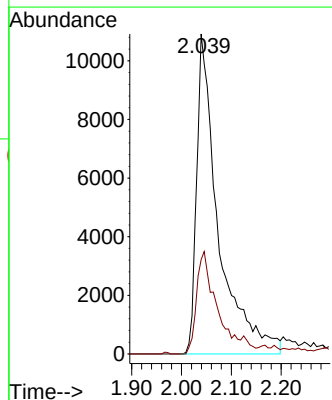
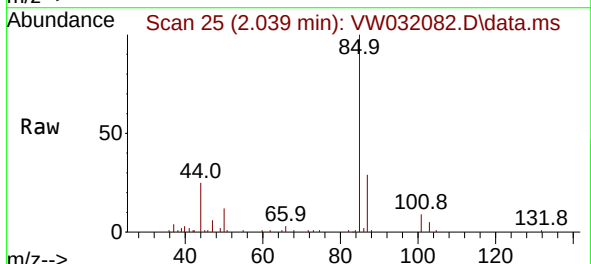
Instrument :
MSVOA_W
ClientSampleId :
VW0814SBS01

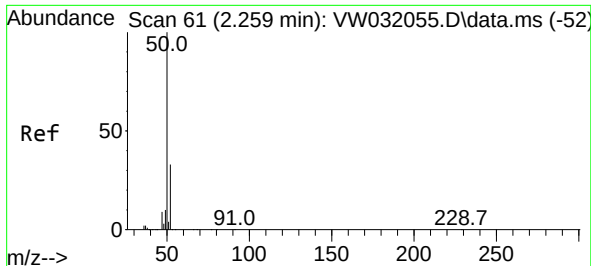
Tgt Ion:168 Resp: 208549
Ion Ratio Lower Upper
168 100
99 65.5 56.0 84.0



#2
Dichlorodifluoromethane
Concen: 22.111 ug/l
RT: 2.039 min Scan# 25
Delta R.T. -0.000 min
Lab File: VW032082.D
Acq: 14 Aug 2025 10:27

Tgt Ion: 85 Resp: 32981
Ion Ratio Lower Upper
85 100
87 29.5 16.2 48.6

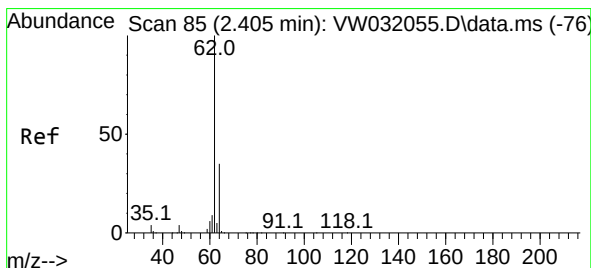
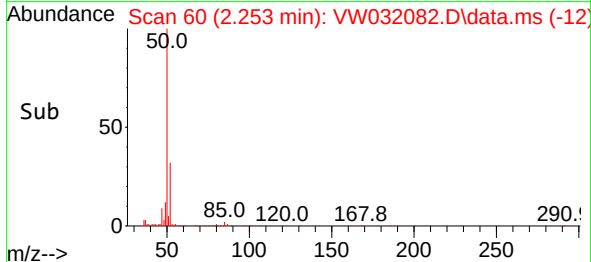
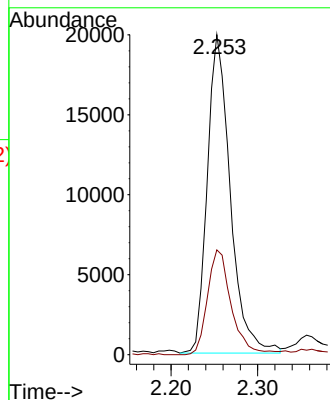
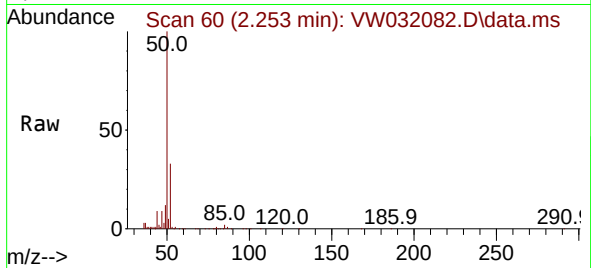




#3
Chloromethane
Concen: 18.273 ug/l
RT: 2.253 min Scan# 60
Delta R.T. -0.006 min
Lab File: VW032082.D
Acq: 14 Aug 2025 10:27

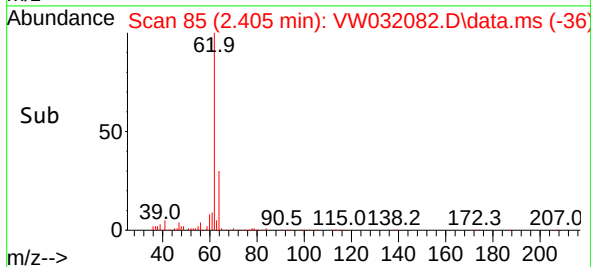
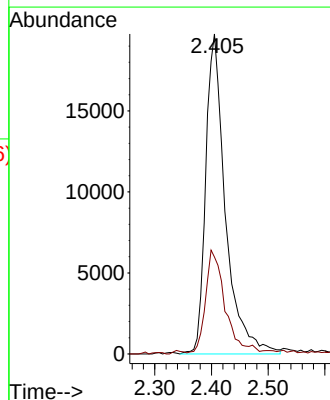
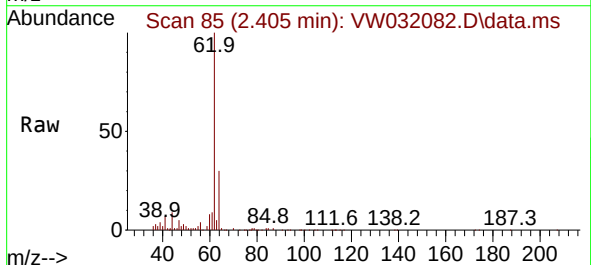
Instrument :
MSVOA_W
ClientSampleId :
VW0814SBS01

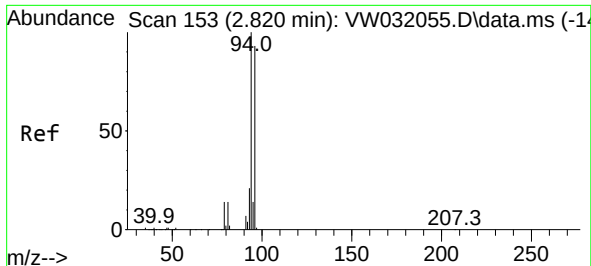
Tgt Ion: 50 Resp: 36714
Ion Ratio Lower Upper
50 100
52 32.9 26.6 39.8



#4
Vinyl Chloride
Concen: 19.622 ug/l
RT: 2.405 min Scan# 85
Delta R.T. -0.000 min
Lab File: VW032082.D
Acq: 14 Aug 2025 10:27

Tgt Ion: 62 Resp: 47688
Ion Ratio Lower Upper
62 100
64 29.5 27.8 41.6

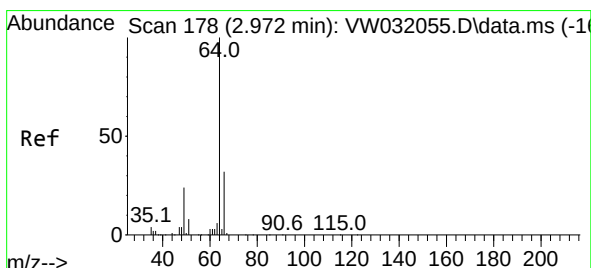
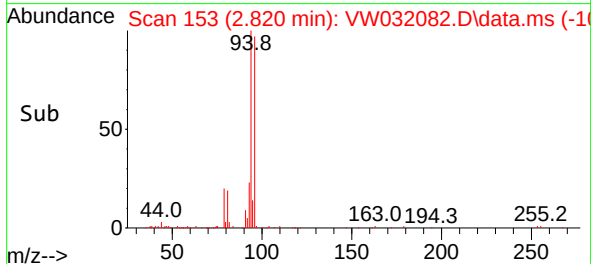
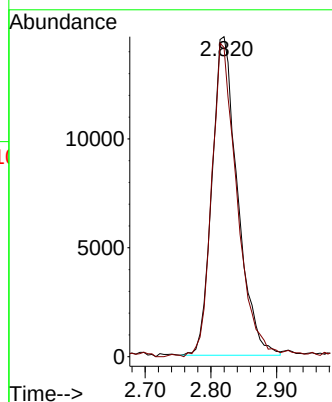
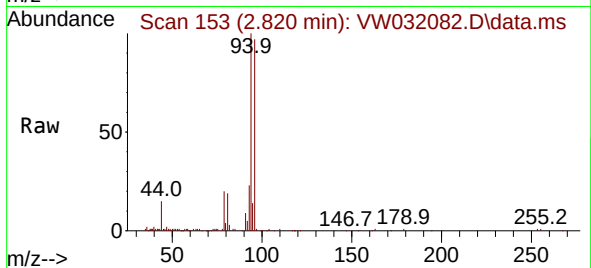




#5
Bromomethane
Concen: 21.718 ug/l
RT: 2.820 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW032082.D
Acq: 14 Aug 2025 10:27

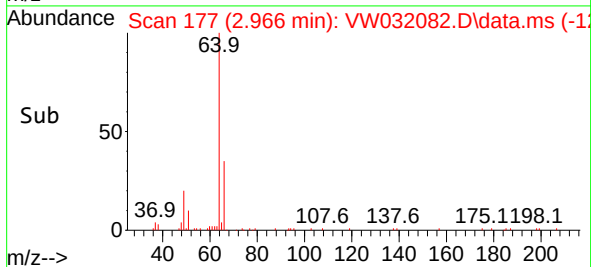
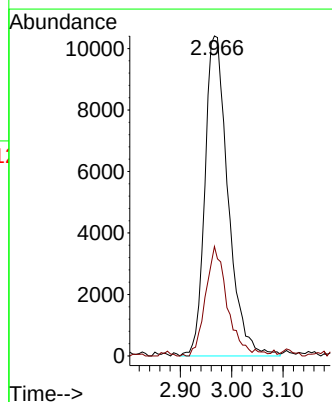
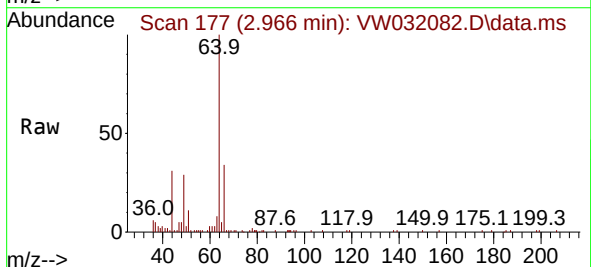
Instrument :
MSVOA_W
ClientSampleId :
VW0814SBS01

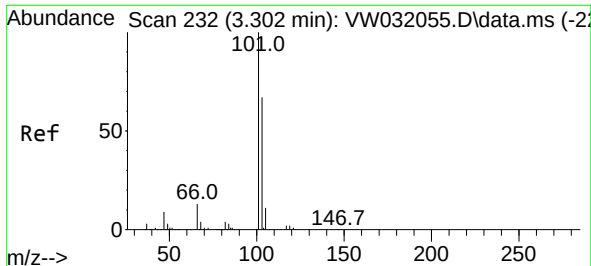
Tgt Ion: 94 Resp: 39599
Ion Ratio Lower Upper
94 100
96 96.6 74.7 112.1



#6
Chloroethane
Concen: 20.236 ug/l
RT: 2.966 min Scan# 177
Delta R.T. -0.006 min
Lab File: VW032082.D
Acq: 14 Aug 2025 10:27

Tgt Ion: 64 Resp: 32544
Ion Ratio Lower Upper
64 100
66 34.2 26.0 39.0

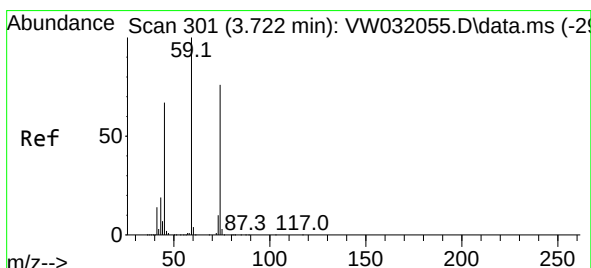
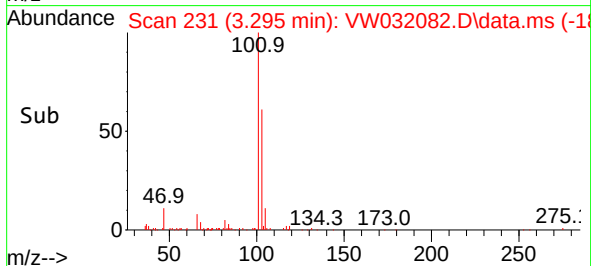
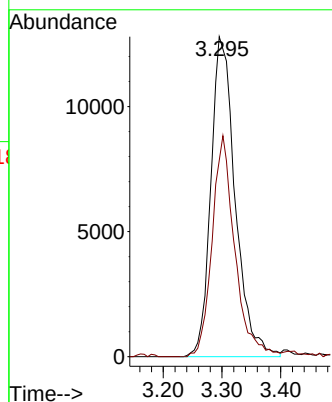
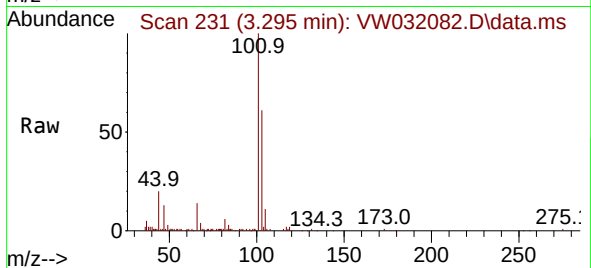




#7
Trichlorofluoromethane
Concen: 18.876 ug/l
RT: 3.295 min Scan# 21
Delta R.T. -0.006 min
Lab File: VW032082.D
Acq: 14 Aug 2025 10:27

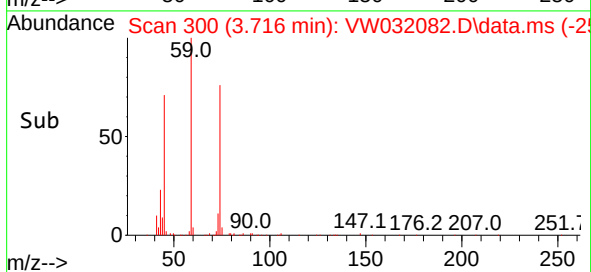
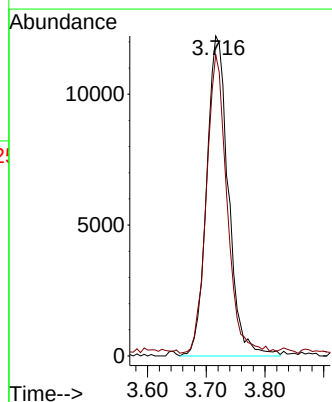
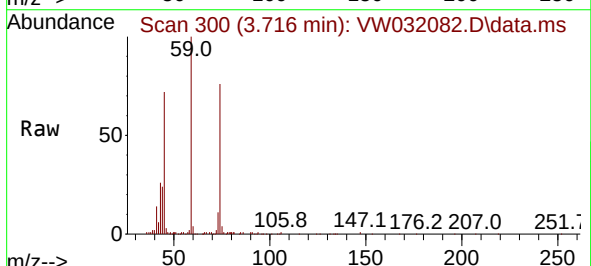
Instrument :
MSVOA_W
ClientSampleId :
VW0814SBS01

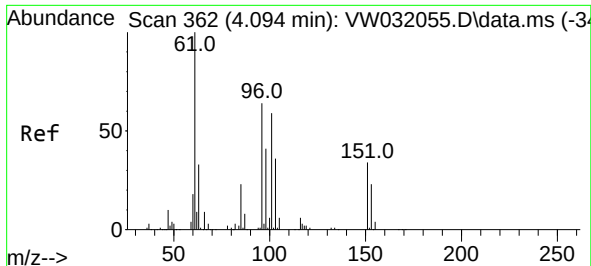
Tgt Ion:101 Resp: 36751
Ion Ratio Lower Upper
101 100
103 61.3 53.4 80.0



#8
Diethyl Ether
Concen: 19.762 ug/l
RT: 3.716 min Scan# 300
Delta R.T. -0.006 min
Lab File: VW032082.D
Acq: 14 Aug 2025 10:27

Tgt Ion: 74 Resp: 31522
Ion Ratio Lower Upper
74 100
45 88.4 45.4 136.2

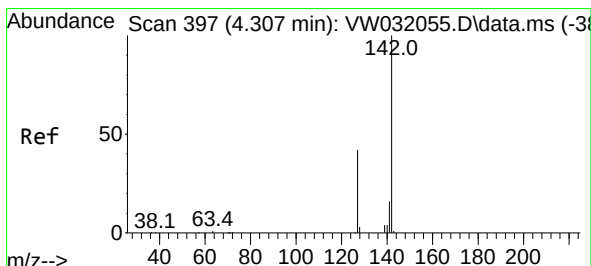
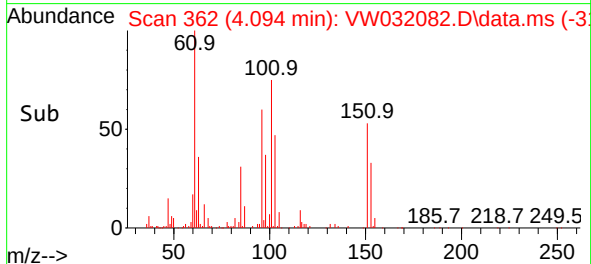
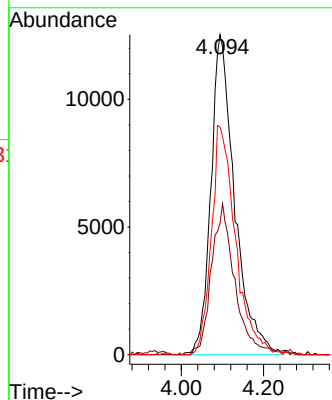
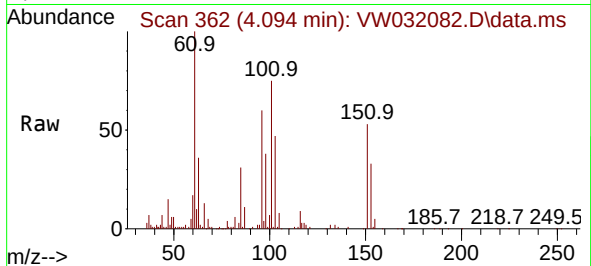




#9
1,1,2-Trichlorotrifluoroethane
Concen: 21.864 ug/l
RT: 4.094 min Scan# 301
Delta R.T. -0.000 min
Lab File: VW032082.D
Acq: 14 Aug 2025 10:27

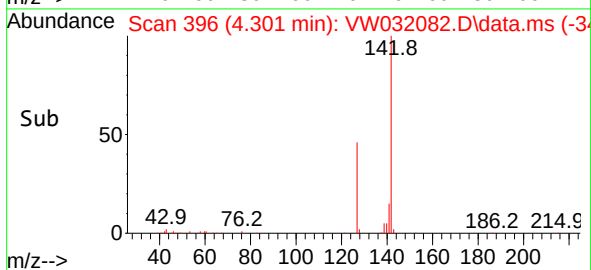
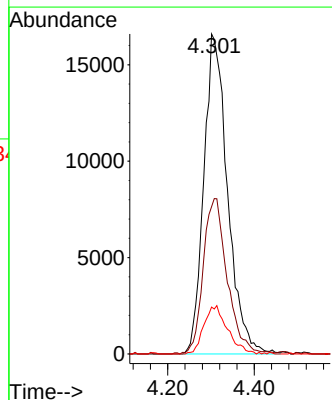
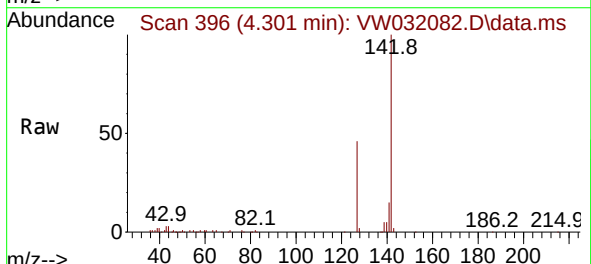
Instrument :
MSVOA_W
ClientSampleId :
VW0814SBS01

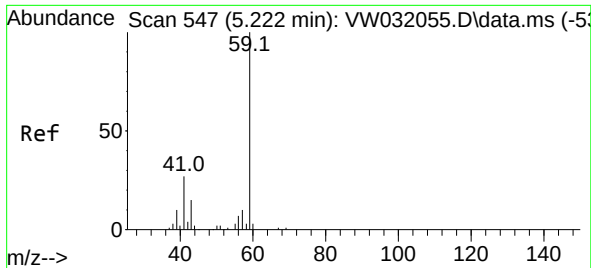
Tgt Ion:	101	Resp:	50221
Ion	Ratio	Lower	Upper
101	100		
85	46.1	34.9	52.3
151	72.6	56.2	84.4



#10
Methyl Iodide
Concen: 19.442 ug/l
RT: 4.301 min Scan# 396
Delta R.T. -0.006 min
Lab File: VW032082.D
Acq: 14 Aug 2025 10:27

Tgt Ion:	142	Resp:	63316
Ion	Ratio	Lower	Upper
142	100		
127	49.0	36.6	55.0
141	15.0	12.1	18.1

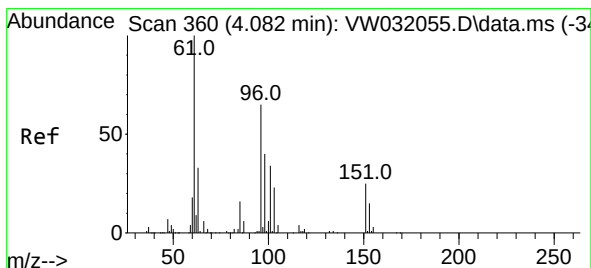
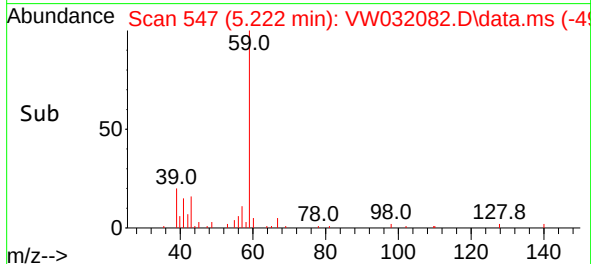
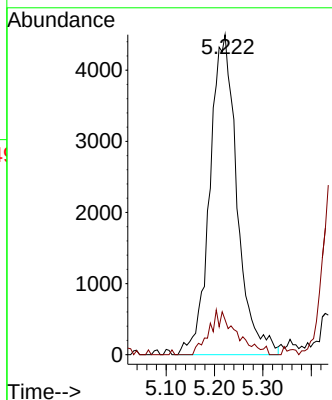
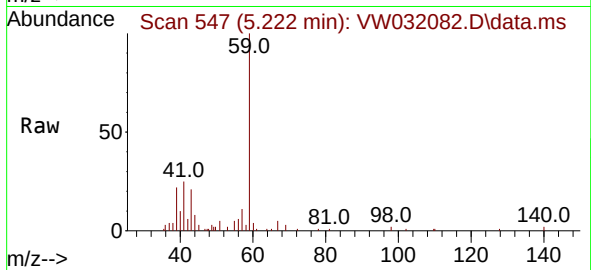




#11
Tert butyl alcohol
Concen: 90.159 ug/l
RT: 5.222 min Scan# 547
Delta R.T. -0.000 min
Lab File: VW032082.D
Acq: 14 Aug 2025 10:27

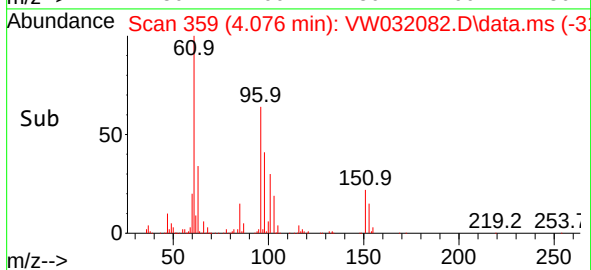
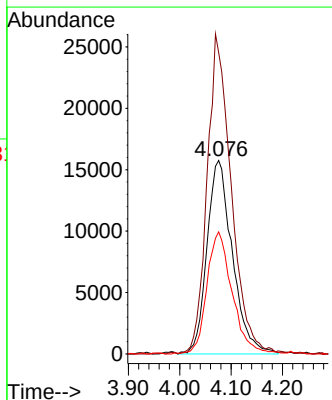
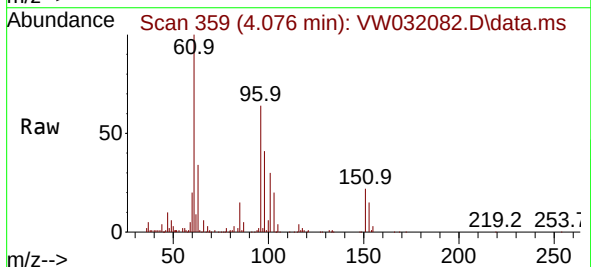
Instrument :
MSVOA_W
ClientSampleId :
VW0814SBS01

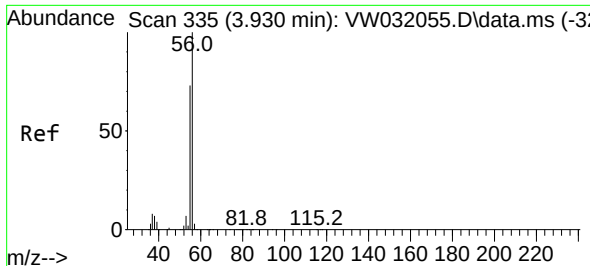
Tgt Ion: 59 Resp: 17609
Ion Ratio Lower Upper
59 100
57 5.5 8.7 13.1#



#12
1,1-Dichloroethene
Concen: 21.402 ug/l
RT: 4.076 min Scan# 359
Delta R.T. -0.006 min
Lab File: VW032082.D
Acq: 14 Aug 2025 10:27

Tgt Ion: 96 Resp: 54130
Ion Ratio Lower Upper
96 100
61 155.8 123.4 185.2
98 62.7 49.5 74.3

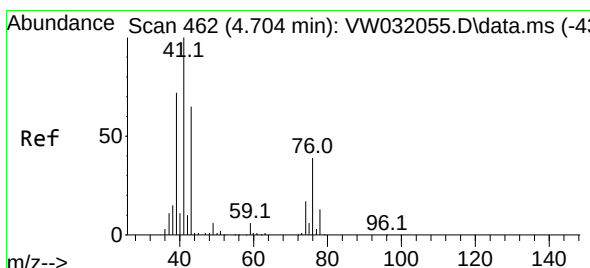
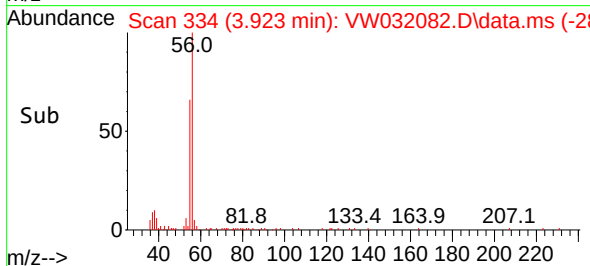
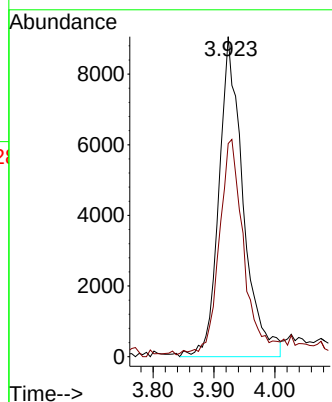
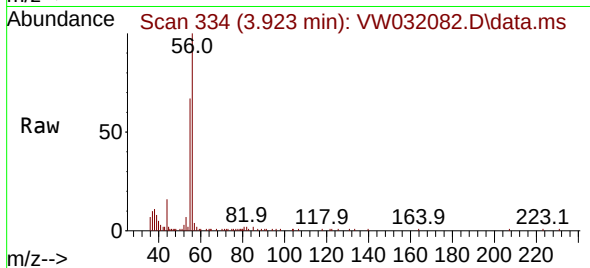




#13
Acrolein
Concen: 80.380 ug/l
RT: 3.923 min Scan# 31
Delta R.T. -0.006 min
Lab File: VW032082.D
Acq: 14 Aug 2025 10:27

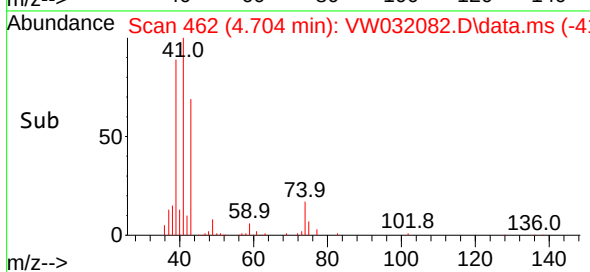
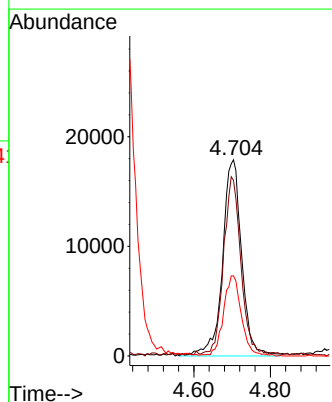
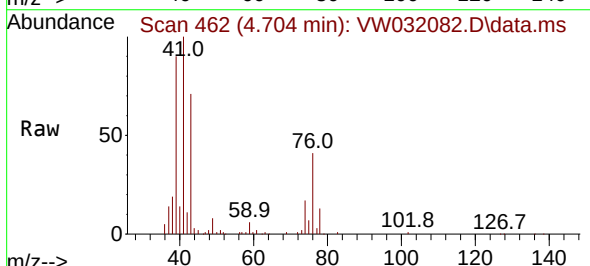
Instrument :
MSVOA_W
ClientSampleId :
VW0814SBS01

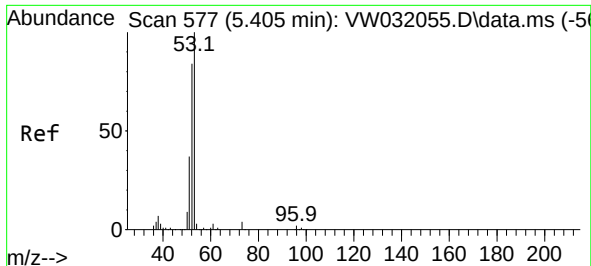
Tgt Ion: 56 Resp: 25014
Ion Ratio Lower Upper
56 100
55 68.2 55.4 83.2



#14
Allyl chloride
Concen: 16.912 ug/l
RT: 4.704 min Scan# 462
Delta R.T. -0.000 min
Lab File: VW032082.D
Acq: 14 Aug 2025 10:27

Tgt Ion: 41 Resp: 62252
Ion Ratio Lower Upper
41 100
39 80.3 54.5 81.7
76 38.2 29.3 43.9

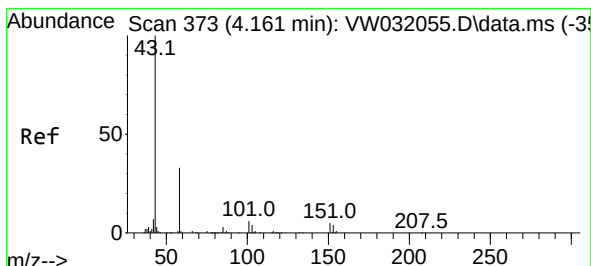
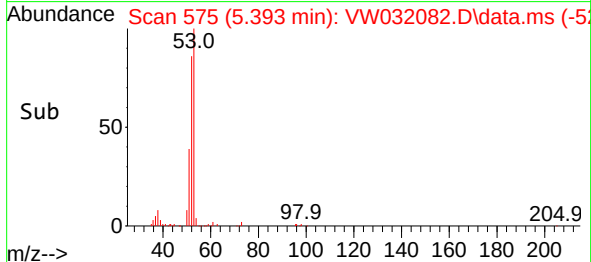
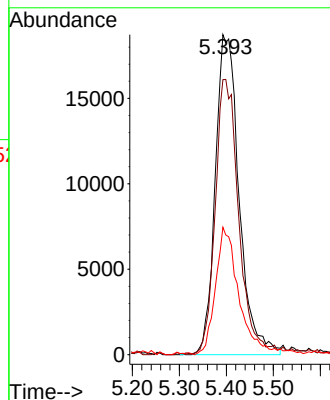
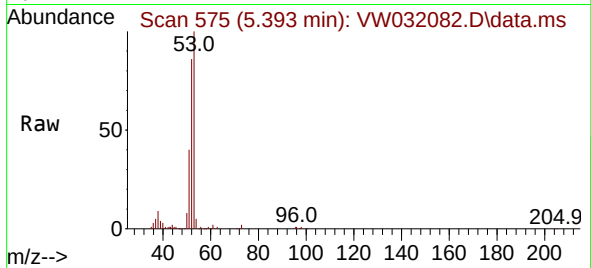




#15
Acrylonitrile
Concen: 86.957 ug/l
RT: 5.393 min Scan# 51
Delta R.T. -0.012 min
Lab File: VW032082.D
Acq: 14 Aug 2025 10:27

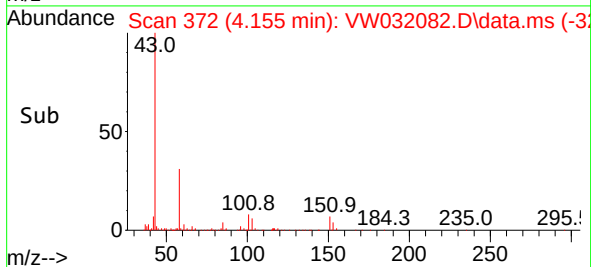
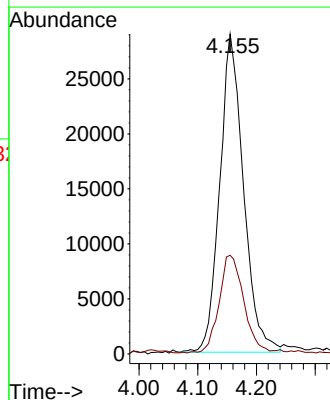
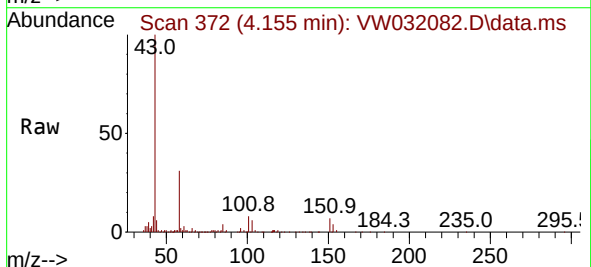
Instrument :
MSVOA_W
ClientSampleId :
VW0814SBS01

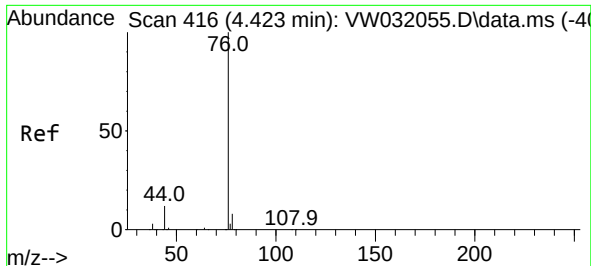
Tgt Ion:	53	Resp:	66066
Ion	Ratio	Lower	Upper
53	100		
52	84.8	66.1	99.1
51	38.5	29.2	43.8



#16
Acetone
Concen: 116.212 ug/l
RT: 4.155 min Scan# 372
Delta R.T. -0.006 min
Lab File: VW032082.D
Acq: 14 Aug 2025 10:27

Tgt Ion:	43	Resp:	81154
Ion	Ratio	Lower	Upper
43	100		
58	30.7	26.6	39.8

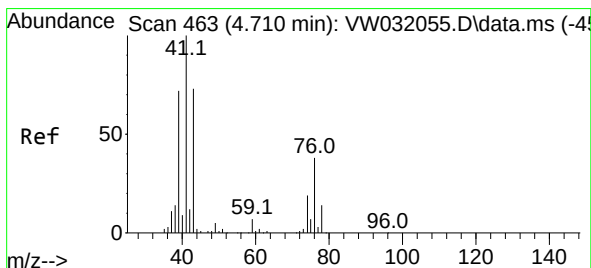
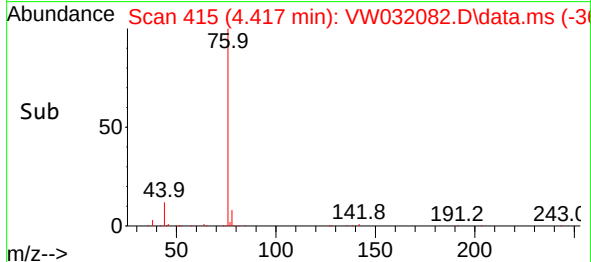
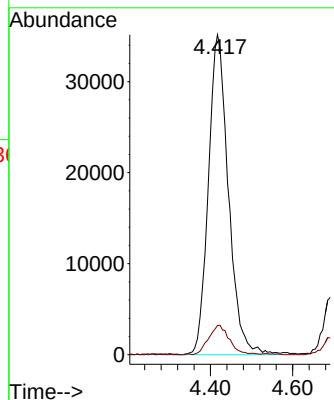
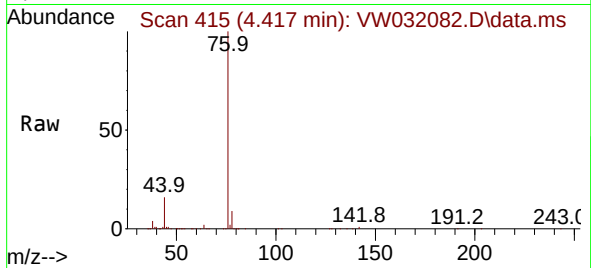




#17
Carbon Disulfide
Concen: 17.509 ug/l
RT: 4.417 min Scan# 416
Delta R.T. -0.006 min
Lab File: VW032082.D
Acq: 14 Aug 2025 10:27

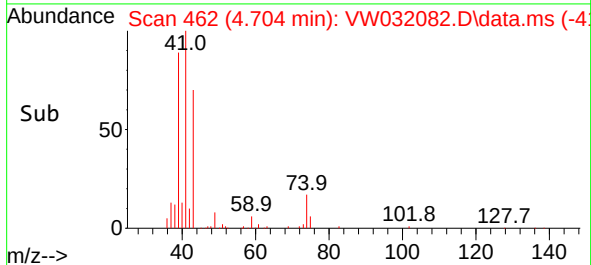
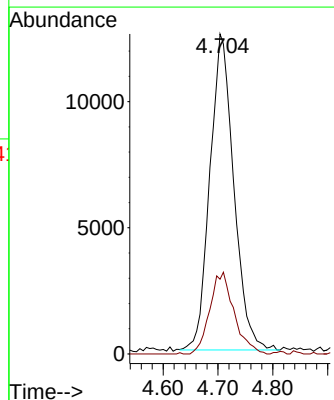
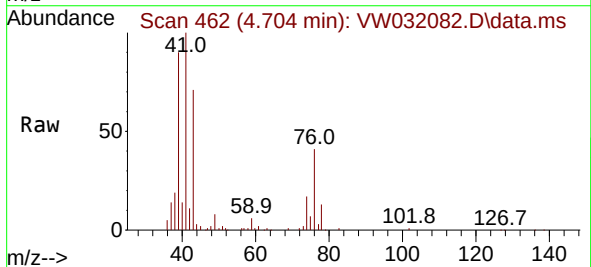
Instrument :
MSVOA_W
ClientSampleId :
VW0814SBS01

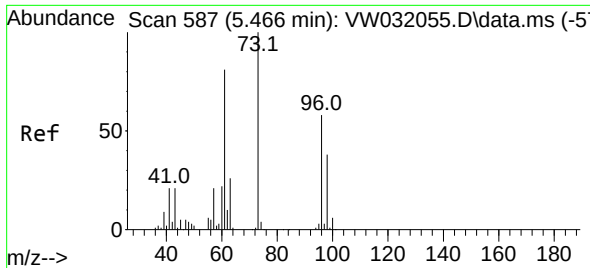
Tgt Ion: 76 Resp: 118861
Ion Ratio Lower Upper
76 100
78 9.1 6.4 9.6



#18
Methyl Acetate
Concen: 17.156 ug/l
RT: 4.704 min Scan# 462
Delta R.T. -0.006 min
Lab File: VW032082.D
Acq: 14 Aug 2025 10:27

Tgt Ion: 43 Resp: 37911
Ion Ratio Lower Upper
43 100
74 26.2 20.6 31.0

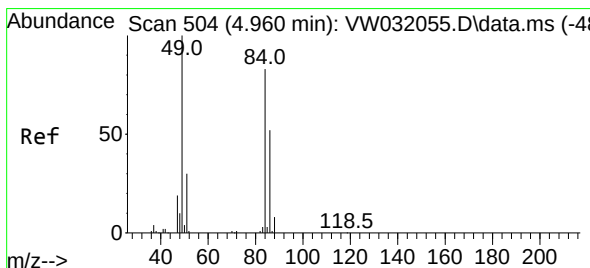
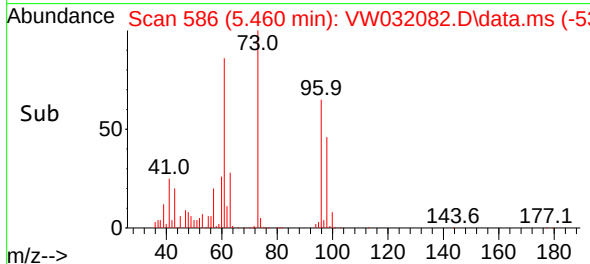
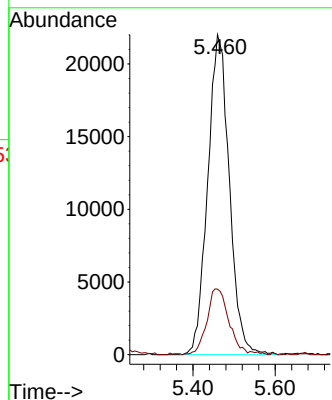
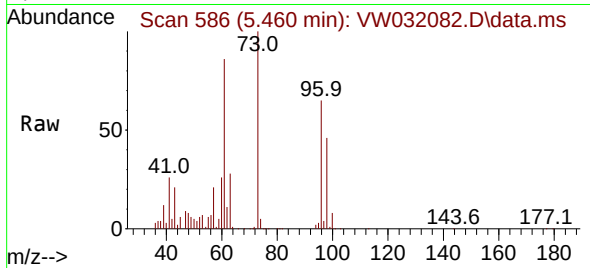




#19
Methyl tert-butyl Ether
Concen: 18.051 ug/l
RT: 5.460 min Scan# 51
Delta R.T. -0.006 min
Lab File: VW032082.D
Acq: 14 Aug 2025 10:27

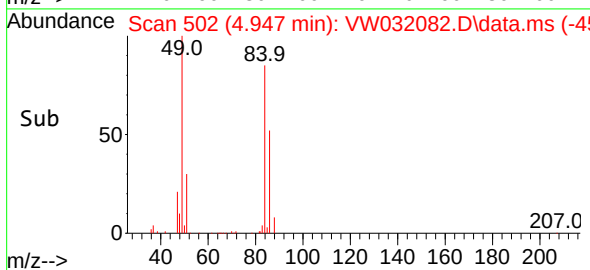
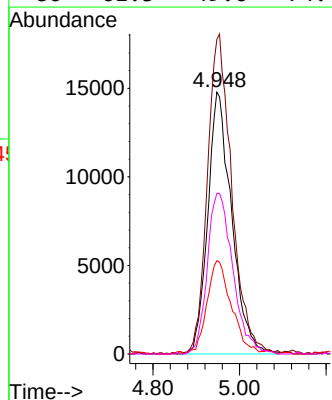
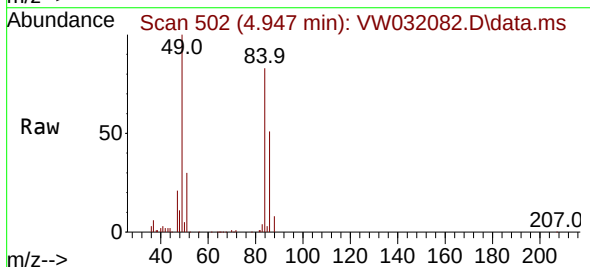
Instrument :
MSVOA_W
ClientSampleId :
VW0814SBS01

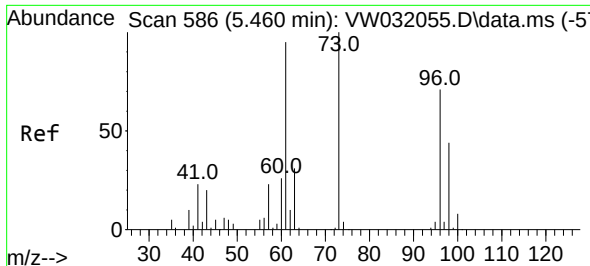
Tgt Ion: 73 Resp: 80442
Ion Ratio Lower Upper
73 100
57 20.3 17.2 25.8



#20
Methylene Chloride
Concen: 17.604 ug/l
RT: 4.947 min Scan# 502
Delta R.T. -0.012 min
Lab File: VW032082.D
Acq: 14 Aug 2025 10:27

Tgt Ion: 84 Resp: 56840
Ion Ratio Lower Upper
84 100
49 119.5 95.9 143.9
51 35.2 28.6 43.0
86 61.3 49.6 74.4

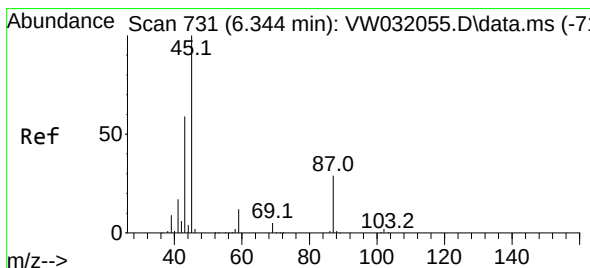
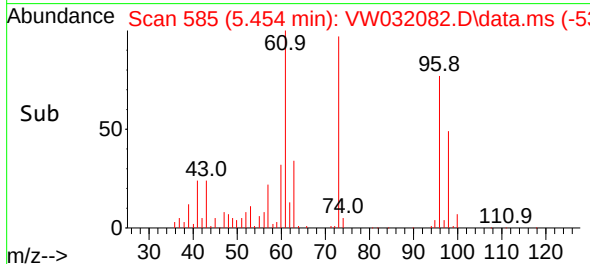
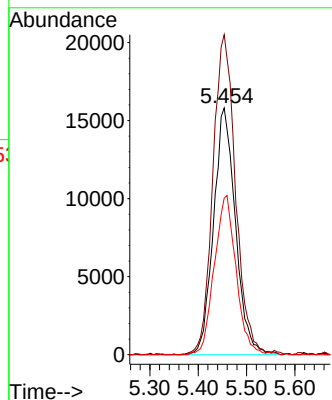
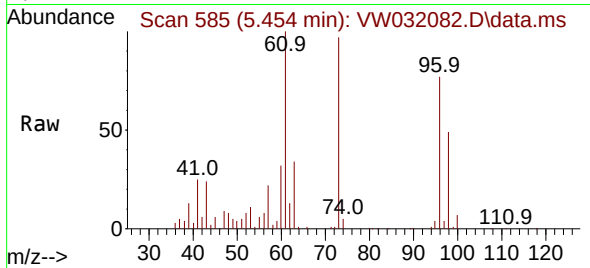




#21
trans-1,2-Dichloroethene
Concen: 18.571 ug/l
RT: 5.454 min Scan# 51
Delta R.T. -0.006 min
Lab File: VW032082.D
Acq: 14 Aug 2025 10:27

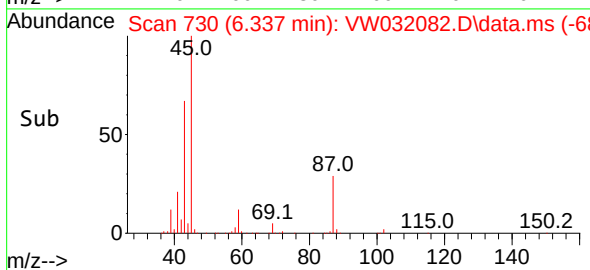
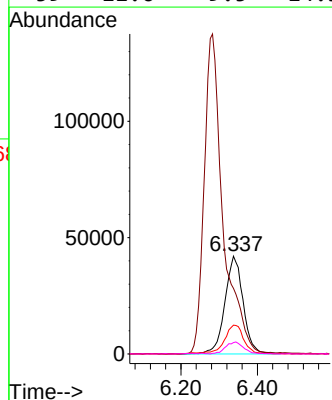
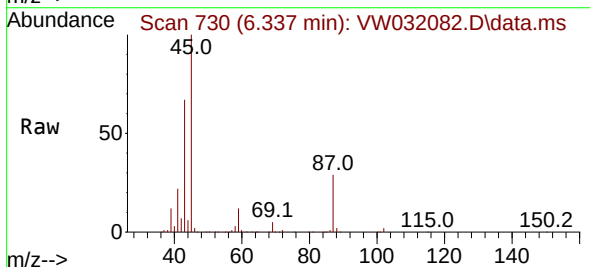
Instrument :
MSVOA_W
ClientSampleId :
VW0814SBS01

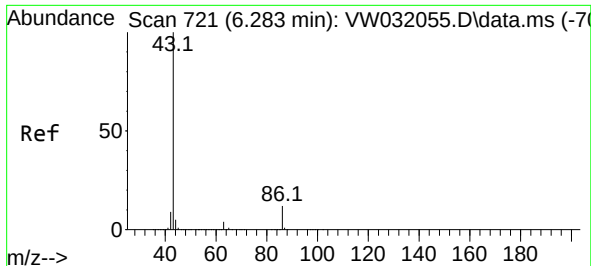
Tgt Ion: 96 Resp: 49845
Ion Ratio Lower Upper
96 100
61 129.7 106.8 160.2
98 63.5 49.6 74.4



#22
Diisopropyl ether
Concen: 17.925 ug/l
RT: 6.337 min Scan# 730
Delta R.T. -0.006 min
Lab File: VW032082.D
Acq: 14 Aug 2025 10:27

Tgt Ion: 45 Resp: 139100
Ion Ratio Lower Upper
45 100
43 67.2 47.0 70.4
87 29.2 23.8 35.8
59 11.6 9.5 14.3

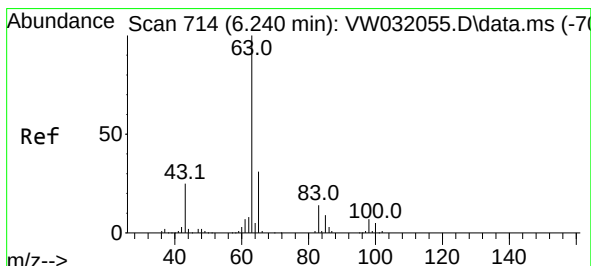
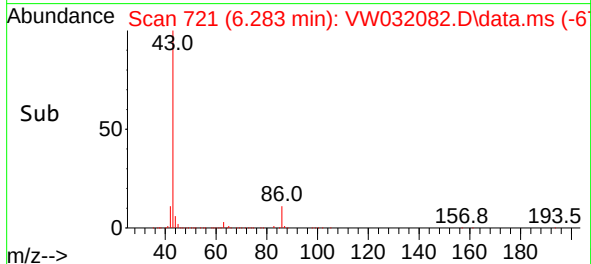
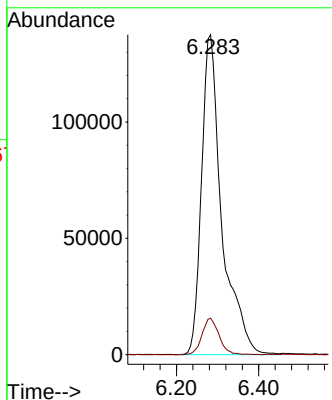
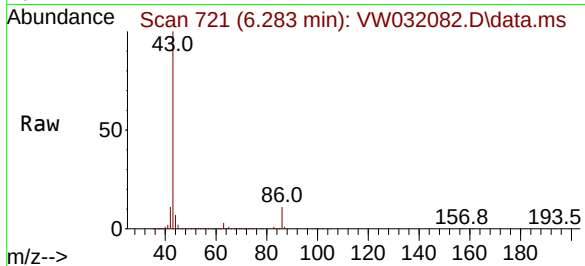




#23
 Vinyl Acetate
 Concen: 92.580 ug/l
 RT: 6.283 min Scan# 714
 Delta R.T. -0.000 min
 Lab File: VW032082.D
 Acq: 14 Aug 2025 10:27

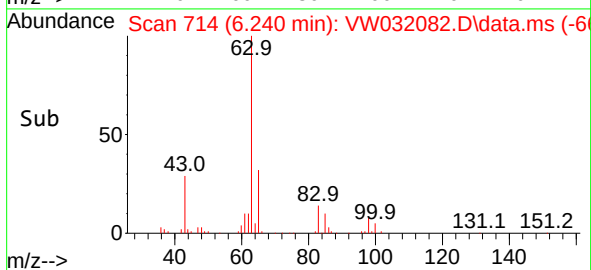
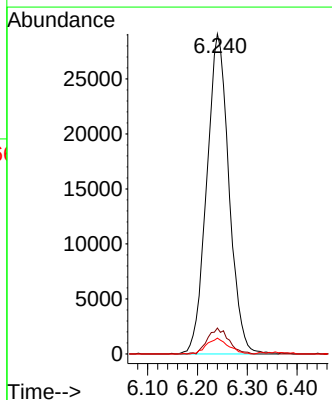
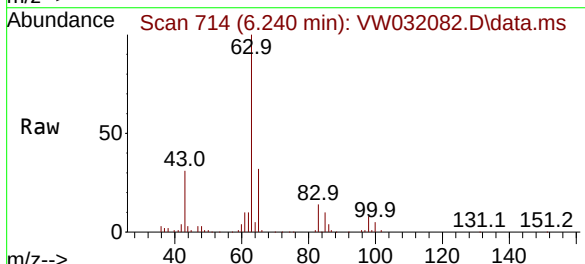
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0814SBS01

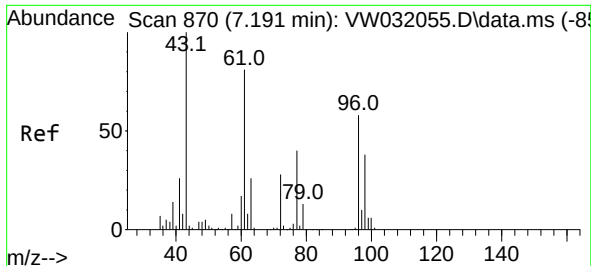
Tgt Ion: 43 Resp: 471681
 Ion Ratio Lower Upper
 43 100
 86 11.4 9.4 14.0



#24
 1,1-Dichloroethane
 Concen: 18.168 ug/l
 RT: 6.240 min Scan# 714
 Delta R.T. -0.000 min
 Lab File: VW032082.D
 Acq: 14 Aug 2025 10:27

Tgt Ion: 63 Resp: 90076
 Ion Ratio Lower Upper
 63 100
 98 8.1 3.7 11.1
 100 4.9 2.5 7.4

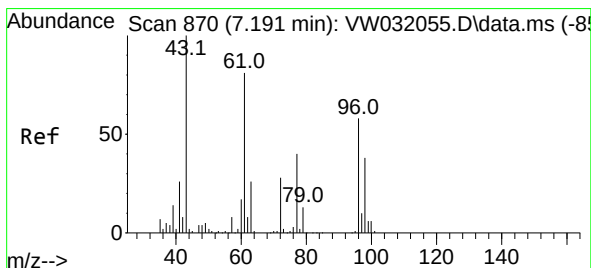
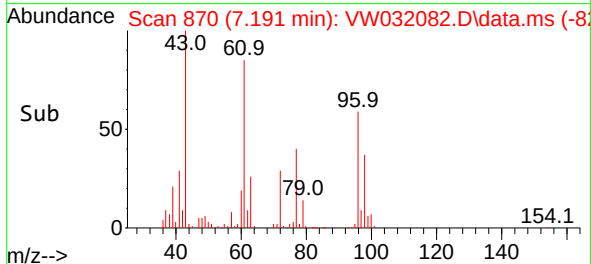
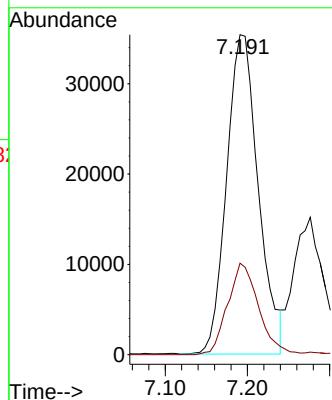
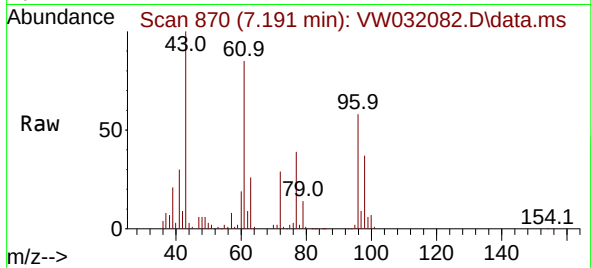




#25
2-Butanone
Concen: 95.576 ug/l
RT: 7.191 min Scan# 81
Delta R.T. -0.000 min
Lab File: VW032082.D
Acq: 14 Aug 2025 10:27

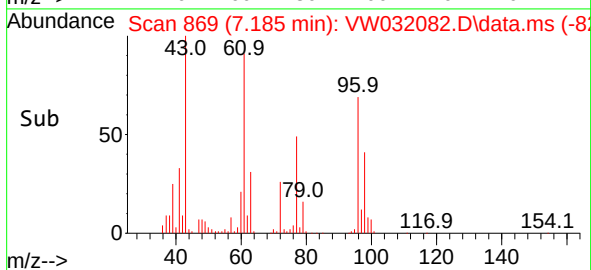
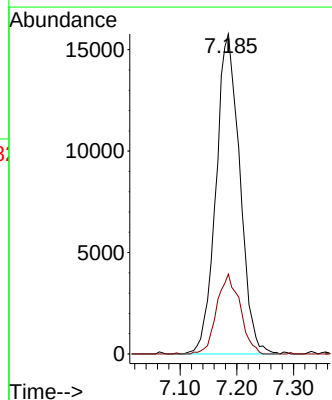
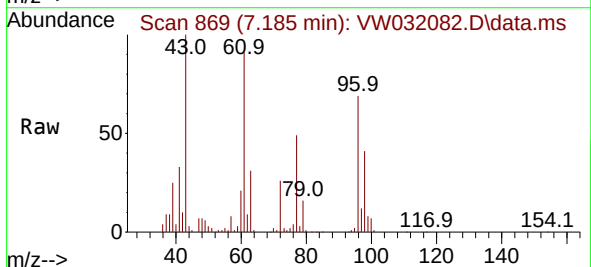
Instrument :
MSVOA_W
ClientSampleId :
VW0814SBS01

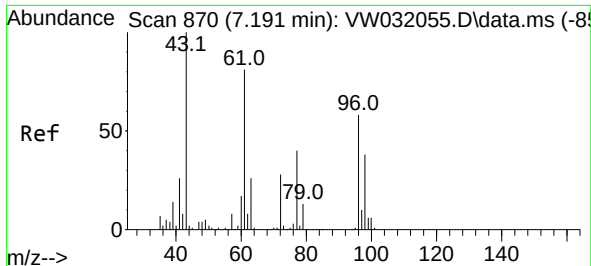
Tgt Ion: 43 Resp: 94859
Ion Ratio Lower Upper
43 100
72 28.6 22.3 33.5



#26
2,2-Dichloropropane
Concen: 18.498 ug/l
RT: 7.185 min Scan# 869
Delta R.T. -0.006 min
Lab File: VW032082.D
Acq: 14 Aug 2025 10:27

Tgt Ion: 77 Resp: 46011
Ion Ratio Lower Upper
77 100
97 24.5 12.3 36.9





#27

cis-1,2-Dichloroethene

Concen: 18.875 ug/l

RT: 7.185 min Scan# 8

Delta R.T. -0.006 min

Lab File: VW032082.D

Acq: 14 Aug 2025 10:27

Instrument :

MSVOA_W

ClientSampleId :

VW0814SBS01

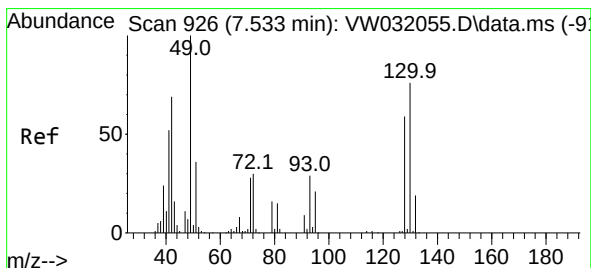
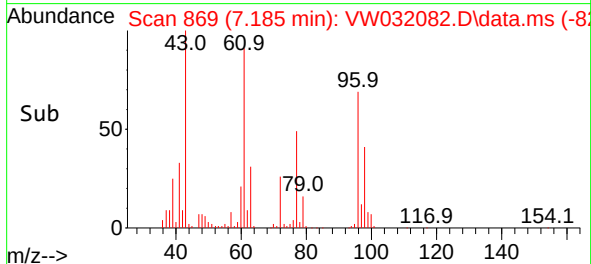
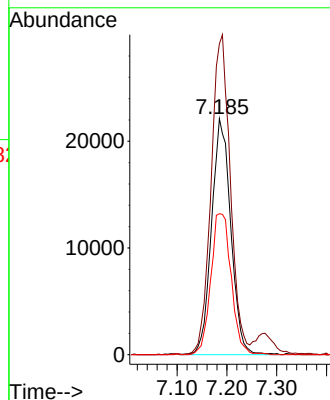
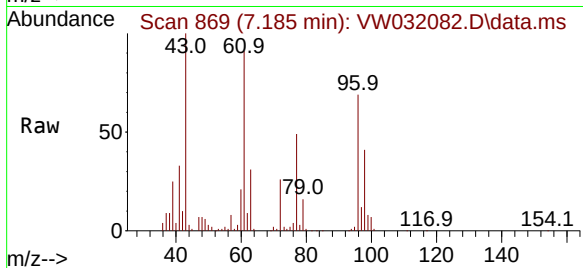
Tgt Ion: 96 Resp: 59218

Ion Ratio Lower Upper

96 100

61 135.8 0.0 281.2

98 63.3 0.0 130.8



#28

Bromochloromethane

Concen: 19.189 ug/l

RT: 7.526 min Scan# 925

Delta R.T. -0.006 min

Lab File: VW032082.D

Acq: 14 Aug 2025 10:27

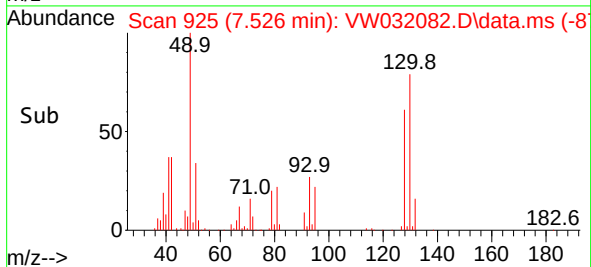
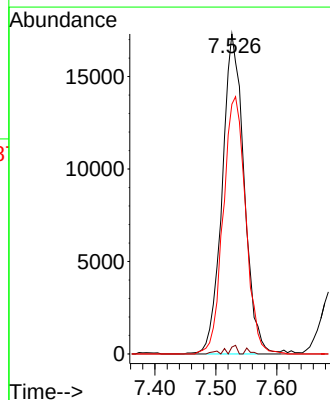
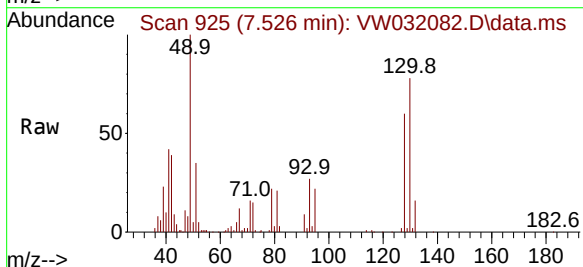
Tgt Ion: 49 Resp: 43295

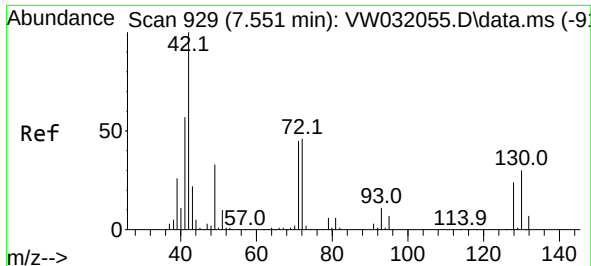
Ion Ratio Lower Upper

49 100

129 1.0 0.0 4.2

130 82.3 61.9 92.9

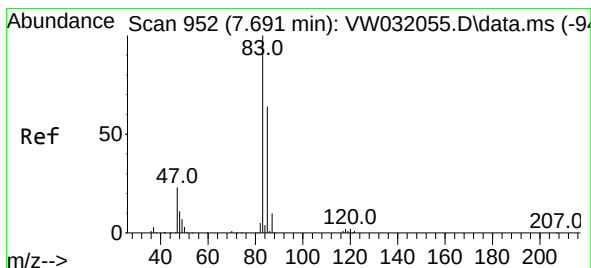
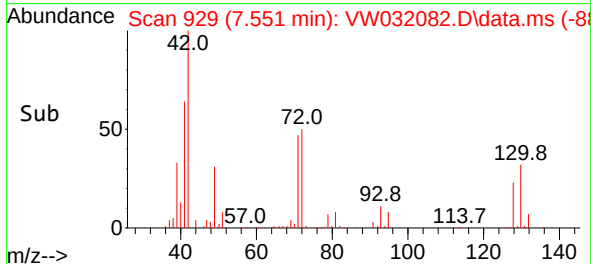
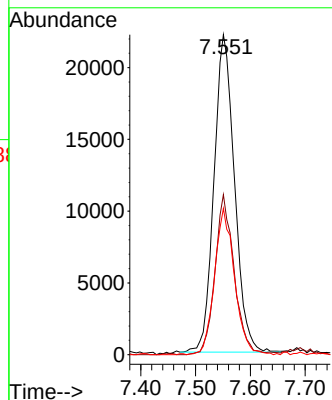
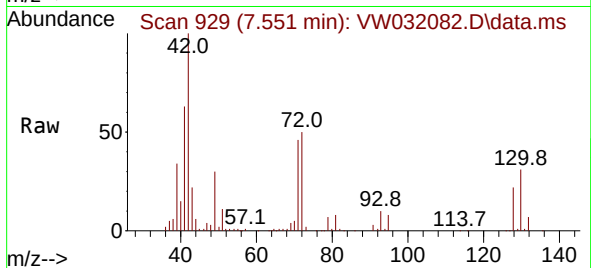




#29
Tetrahydrofuran
Concen: 87.753 ug/l
RT: 7.551 min Scan# 91
Delta R.T. -0.000 min
Lab File: VW032082.D
Acq: 14 Aug 2025 10:27

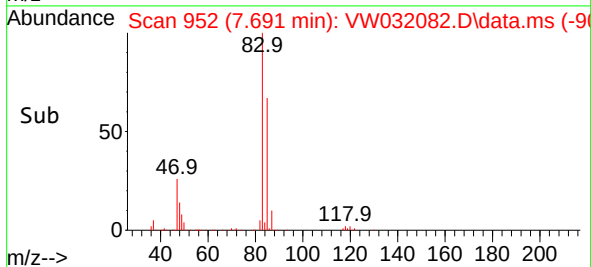
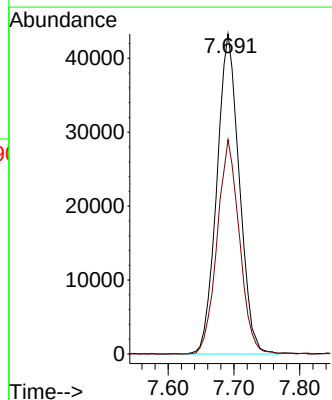
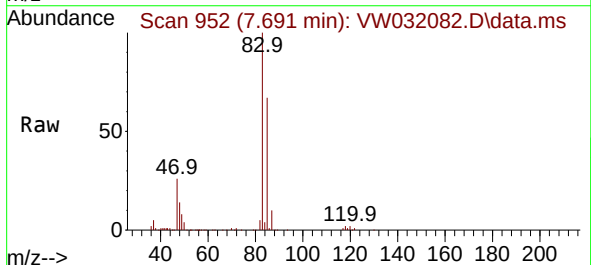
Instrument :
MSVOA_W
ClientSampleId :
VW0814SBS01

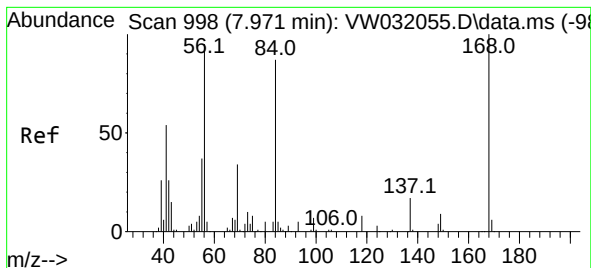
Tgt Ion: 42 Resp: 57438
Ion Ratio Lower Upper
42 100
72 47.1 36.6 55.0
71 44.8 34.7 52.1



#30
Chloroform
Concen: 19.583 ug/l
RT: 7.691 min Scan# 952
Delta R.T. -0.000 min
Lab File: VW032082.D
Acq: 14 Aug 2025 10:27

Tgt Ion: 83 Resp: 102932
Ion Ratio Lower Upper
83 100
85 66.9 51.0 76.4

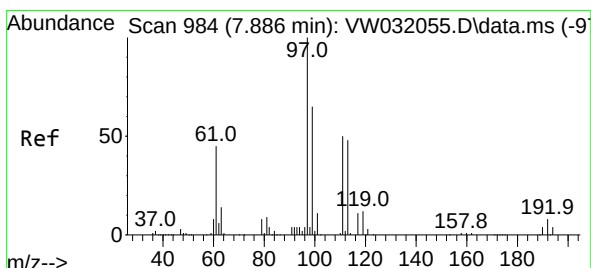
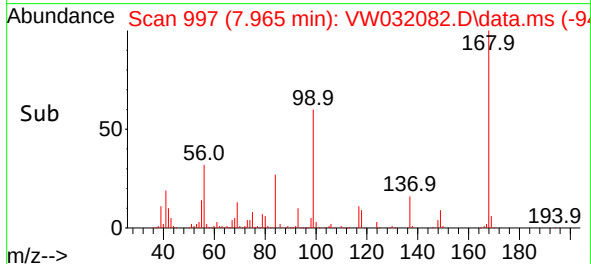
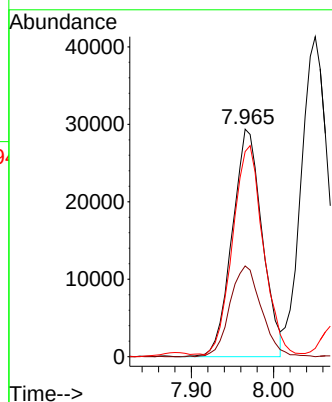
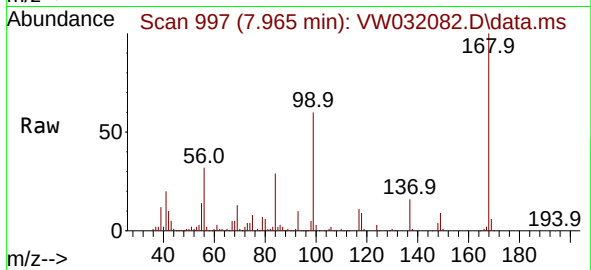




#31
Cyclohexane
Concen: 17.286 ug/l
RT: 7.965 min Scan# 991
Delta R.T. -0.006 min
Lab File: VW032082.D
Acq: 14 Aug 2025 10:27

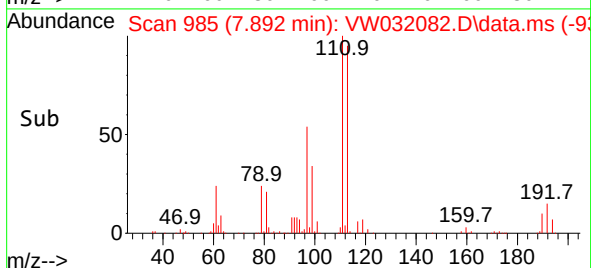
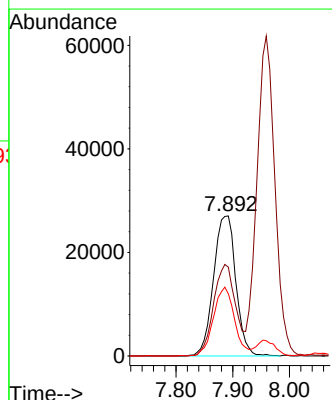
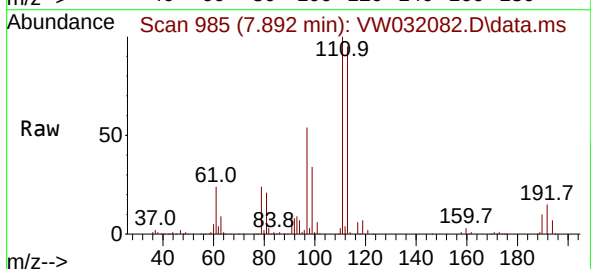
Instrument :
MSVOA_W
ClientSampleId :
VW0814SBS01

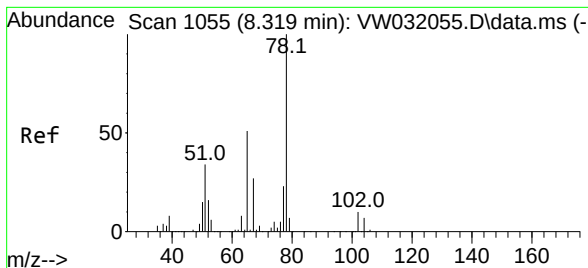
Tgt Ion: 56 Resp: 74302
Ion Ratio Lower Upper
56 100
69 39.5 28.6 42.8
84 88.3 73.0 109.4



#32
1,1,1-Trichloroethane
Concen: 19.399 ug/l
RT: 7.892 min Scan# 985
Delta R.T. 0.006 min
Lab File: VW032082.D
Acq: 14 Aug 2025 10:27

Tgt Ion: 97 Resp: 74063
Ion Ratio Lower Upper
97 100
99 65.2 51.8 77.8
61 46.3 35.9 53.9





#33

1,2-Dichloroethane-d4

Concen: 49.159 ug/l

RT: 8.319 min Scan# 1055

Delta R.T. -0.000 min

Lab File: VW032082.D

Acq: 14 Aug 2025 10:27

Instrument :

MSVOA_W

ClientSampleId :

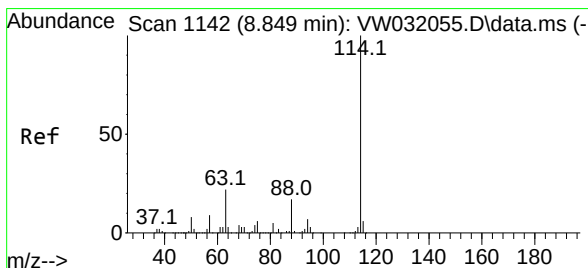
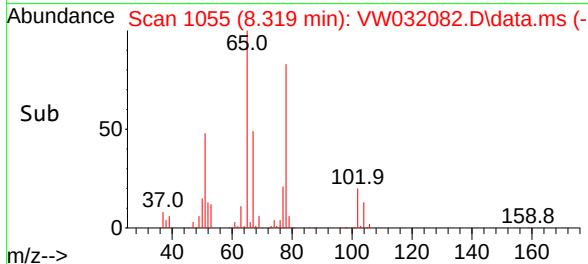
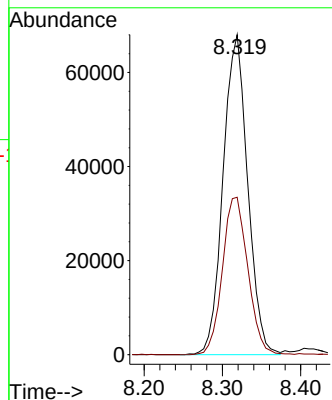
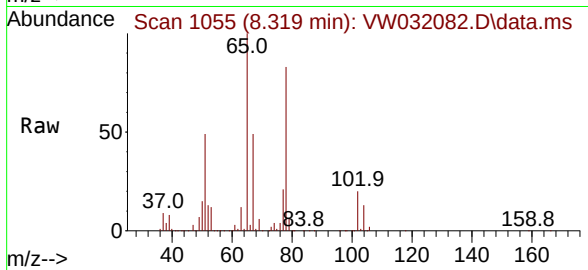
VW0814SBS01

Tgt Ion: 65 Resp: 148274

Ion Ratio Lower Upper

65 100

67 51.0 0.0 102.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.849 min Scan# 1142

Delta R.T. -0.000 min

Lab File: VW032082.D

Acq: 14 Aug 2025 10:27

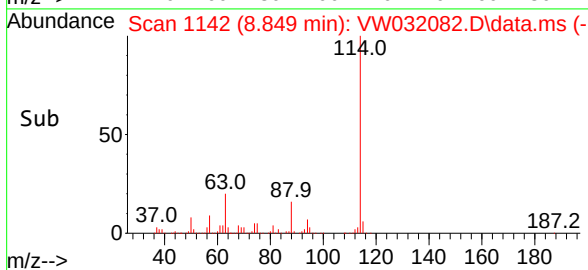
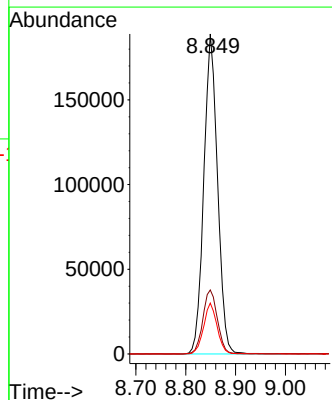
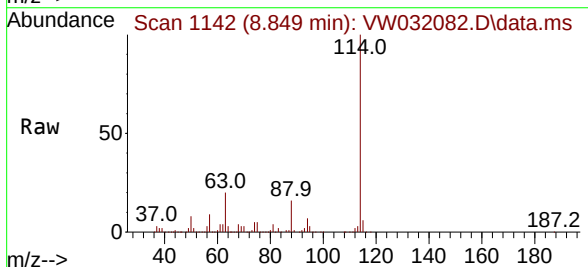
Tgt Ion: 114 Resp: 361028

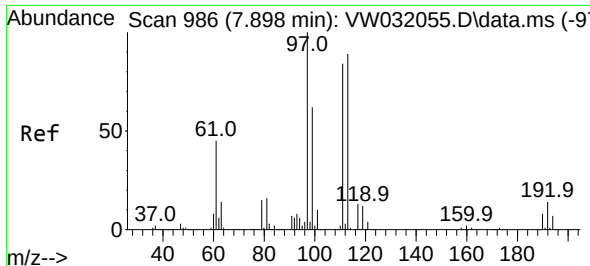
Ion Ratio Lower Upper

114 100

63 20.0 0.0 43.0

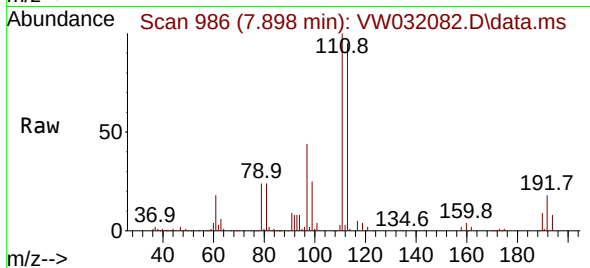
88 15.9 0.0 33.8



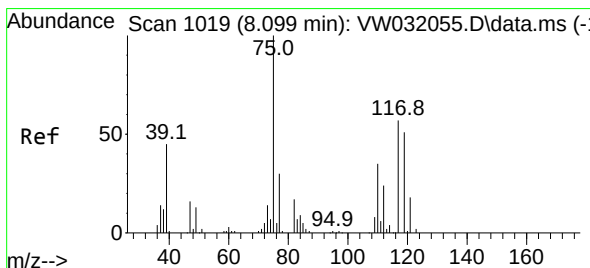
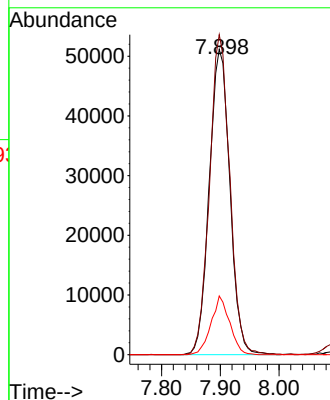
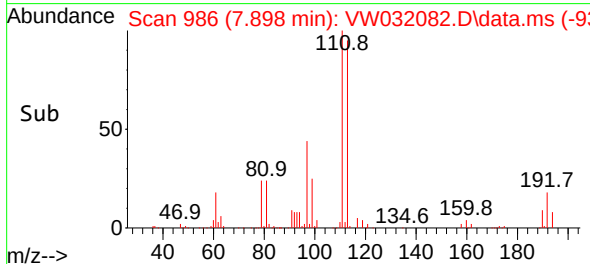


#35
Dibromofluoromethane
Concen: 53.409 ug/l
RT: 7.898 min Scan# 91
Delta R.T. -0.000 min
Lab File: VW032082.D
Acq: 14 Aug 2025 10:27

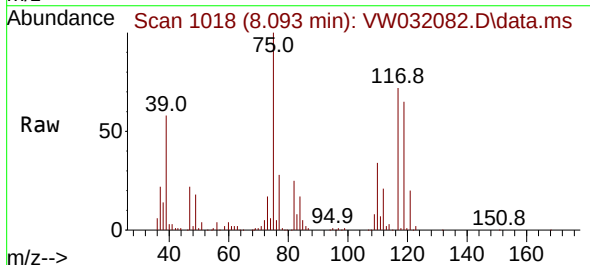
Instrument :
MSVOA_W
ClientSampleId :
VW0814SBS01



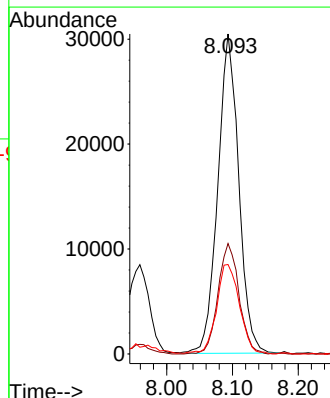
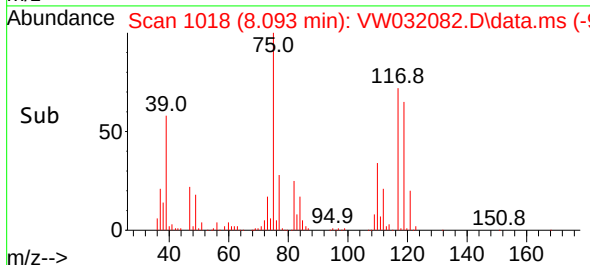
Tgt Ion:113 Resp: 124570
Ion Ratio Lower Upper
113 100
111 103.0 80.1 120.1
192 17.4 13.1 19.7

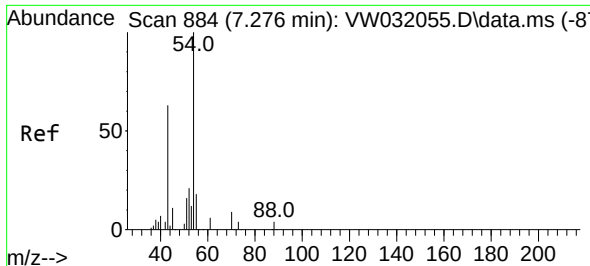


#36
1,1-Dichloropropene
Concen: 20.499 ug/l
RT: 8.093 min Scan# 1018
Delta R.T. -0.006 min
Lab File: VW032082.D
Acq: 14 Aug 2025 10:27



Tgt Ion: 75 Resp: 67400
Ion Ratio Lower Upper
75 100
110 34.8 17.4 52.2
77 30.7 24.7 37.1

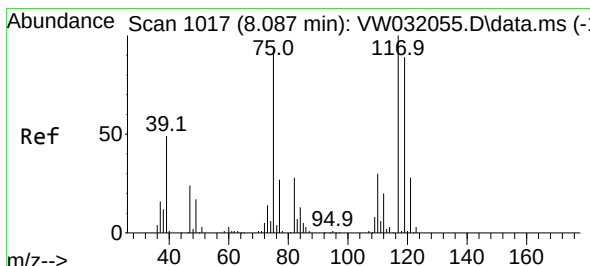
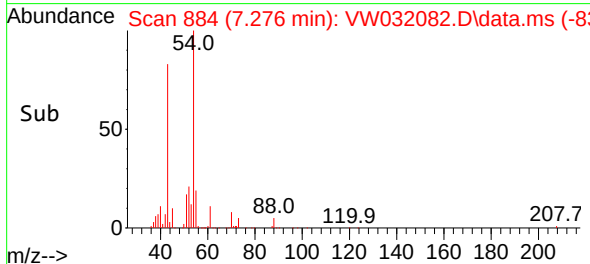
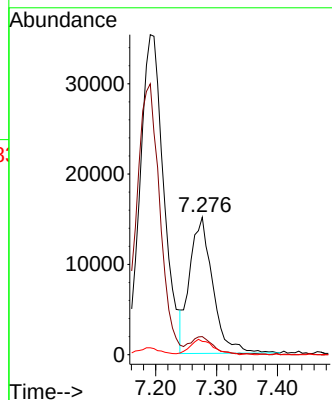
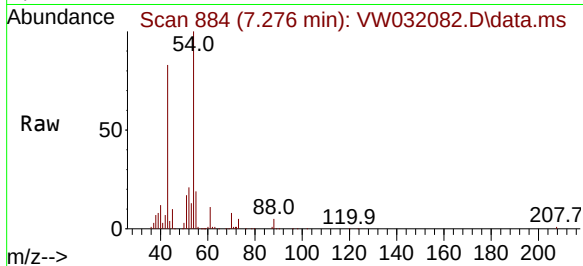




#37
Ethyl Acetate
Concen: 20.438 ug/l
RT: 7.276 min Scan# 884
Delta R.T. -0.000 min
Lab File: VW032082.D
Acq: 14 Aug 2025 10:27

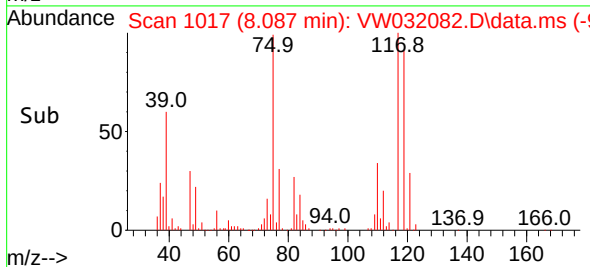
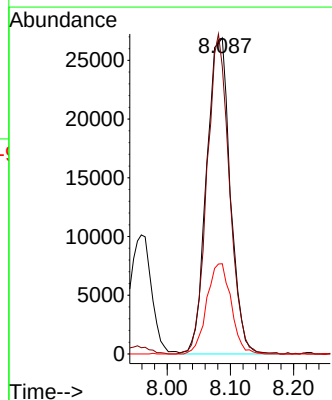
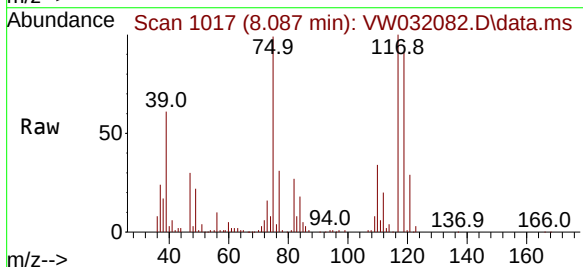
Instrument :
MSVOA_W
ClientSampleId :
VW0814SBS01

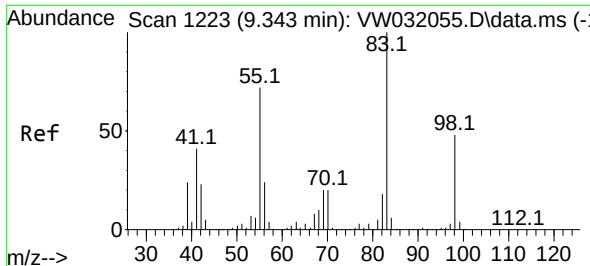
Tgt Ion:	43	Resp:	39578
Ion	Ratio	Lower	Upper
43	100		
61	12.6	11.8	17.6
70	11.3	9.4	14.0



#38
Carbon Tetrachloride
Concen: 22.097 ug/l
RT: 8.087 min Scan# 1017
Delta R.T. -0.000 min
Lab File: VW032082.D
Acq: 14 Aug 2025 10:27

Tgt Ion:	117	Resp:	70115
Ion	Ratio	Lower	Upper
117	100		
119	91.0	71.4	107.2
121	28.5	22.3	33.5





#39

Methylcyclohexane

Concen: 18.806 ug/l

RT: 9.343 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW032082.D

Acq: 14 Aug 2025 10:27

Instrument :

MSVOA_W

ClientSampleId :

VW0814SBS01

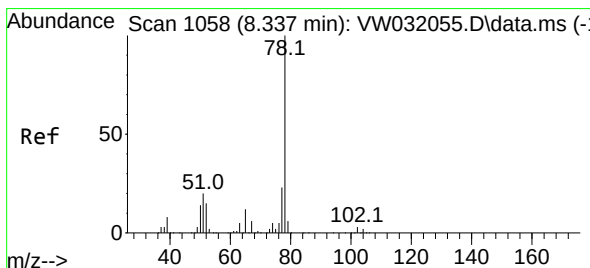
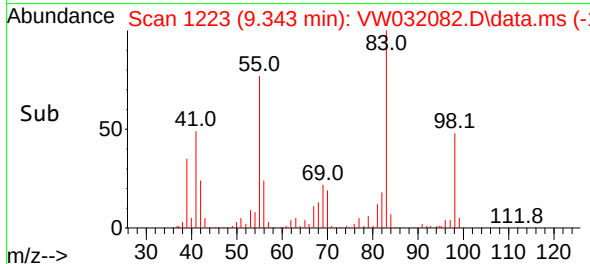
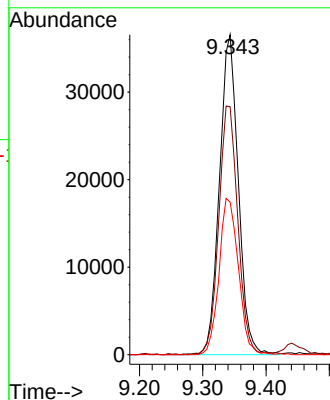
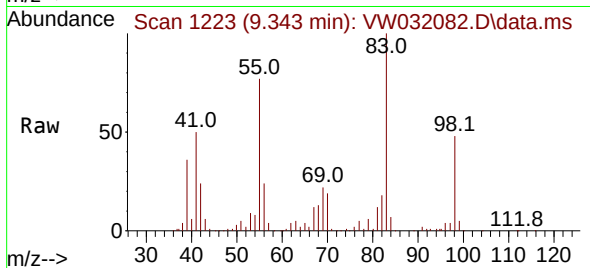
Tgt Ion: 83 Resp: 75369

Ion Ratio Lower Upper

83 100

55 77.5 57.9 86.9

98 47.7 38.3 57.5



#40

Benzene

Concen: 20.384 ug/l

RT: 8.331 min Scan# 1057

Delta R.T. -0.006 min

Lab File: VW032082.D

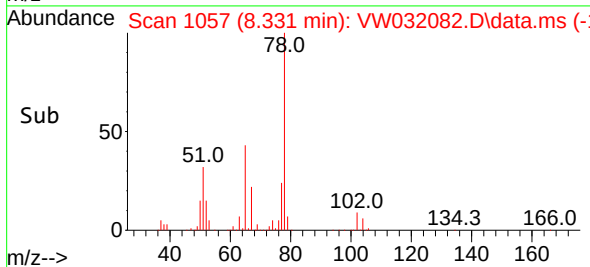
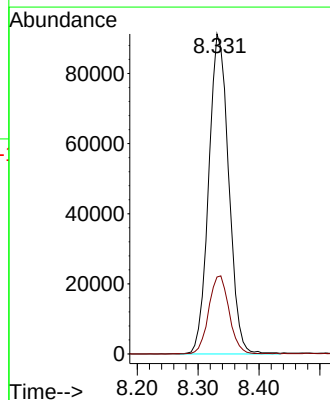
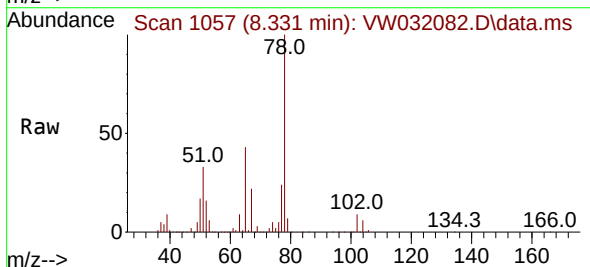
Acq: 14 Aug 2025 10:27

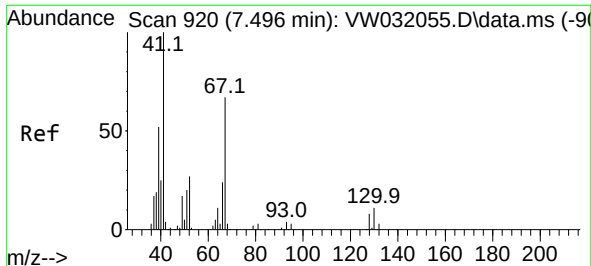
Tgt Ion: 78 Resp: 208337

Ion Ratio Lower Upper

78 100

77 24.0 18.4 27.6

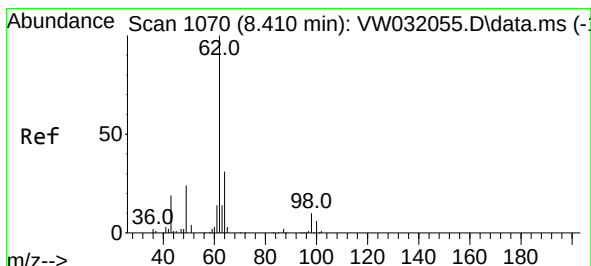
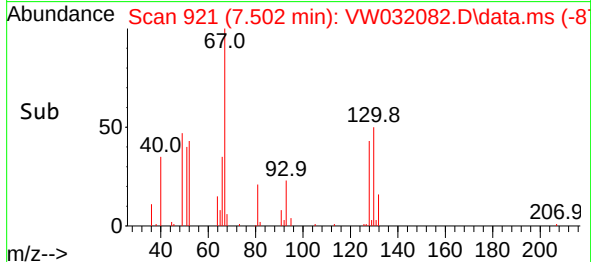
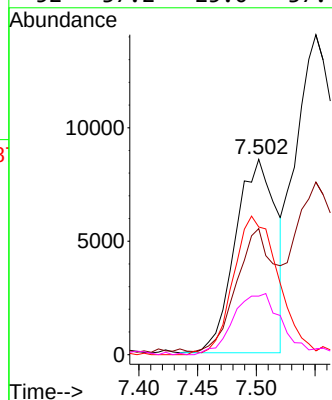
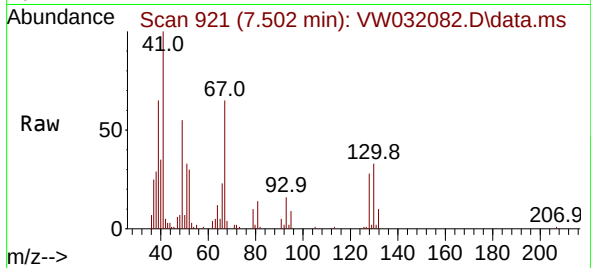




#41
Methacrylonitrile
Concen: 18.749 ug/l
RT: 7.502 min Scan# 91
Delta R.T. 0.006 min
Lab File: VW032082.D
Acq: 14 Aug 2025 10:27

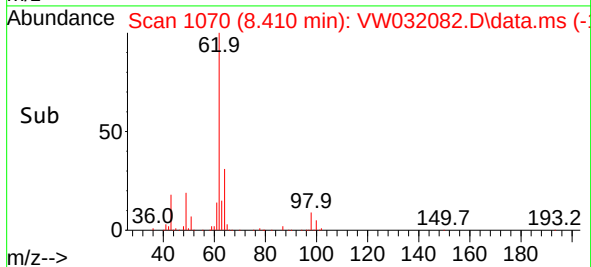
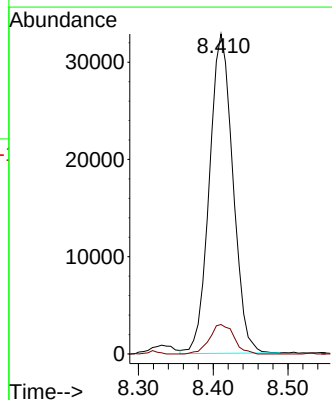
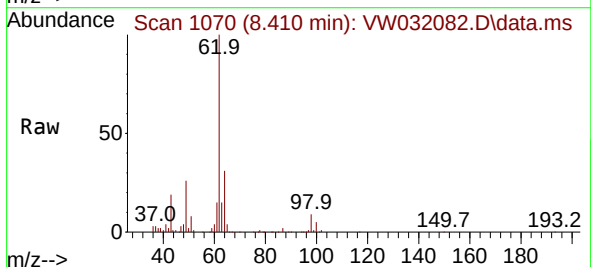
Instrument :
MSVOA_W
ClientSampleId :
VW0814SBS01

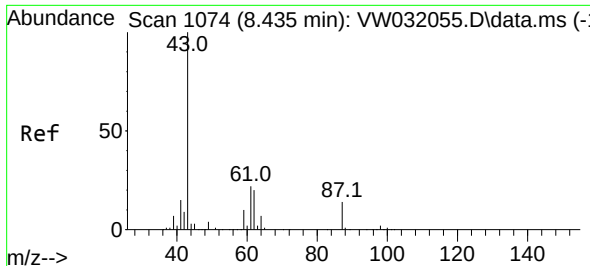
Tgt Ion:	41	Resp:	20590
Ion Ratio	Lower	Upper	
41	100		
39	59.7	42.6	63.8
67	80.9	61.0	91.4
52	37.2	25.0	37.4



#42
1,2-Dichloroethane
Concen: 21.951 ug/l
RT: 8.410 min Scan# 1070
Delta R.T. -0.000 min
Lab File: VW032082.D
Acq: 14 Aug 2025 10:27

Tgt Ion:	62	Resp:	71790
Ion Ratio	Lower	Upper	
62	100		
98	9.6	0.0	19.8

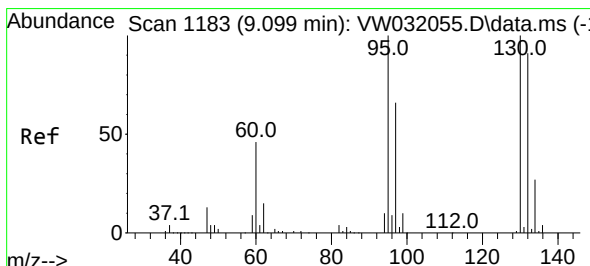
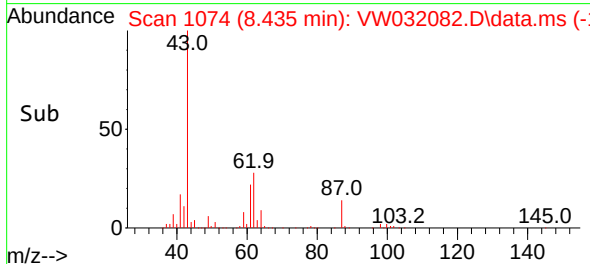
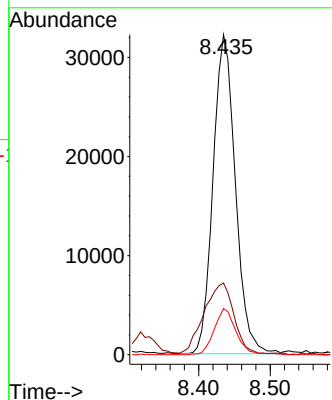
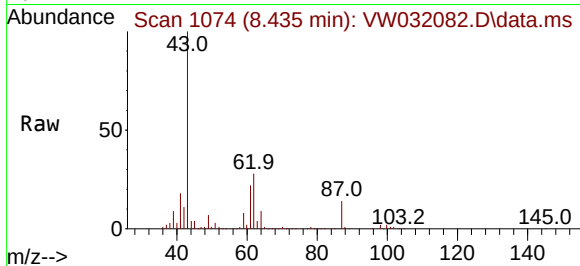




#43
Isopropyl Acetate
Concen: 19.605 ug/l
RT: 8.435 min Scan# 1107
Delta R.T. -0.000 min
Lab File: VW032082.D
Acq: 14 Aug 2025 10:27

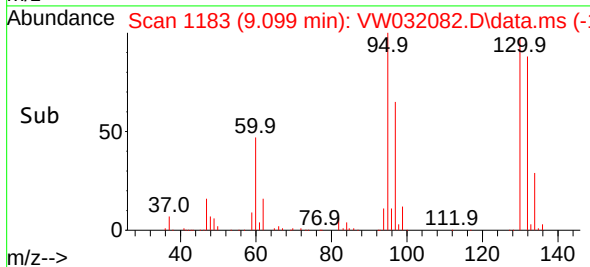
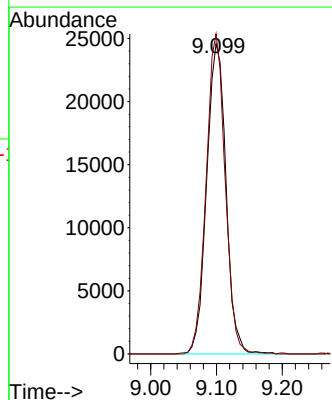
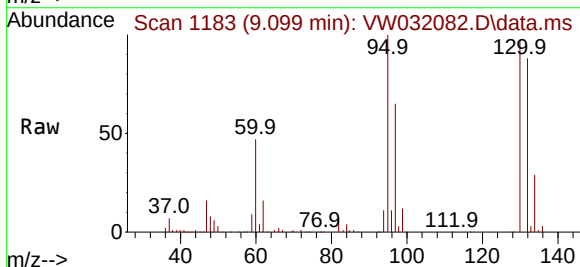
Instrument :
MSVOA_W
ClientSampleId :
VW0814SBS01

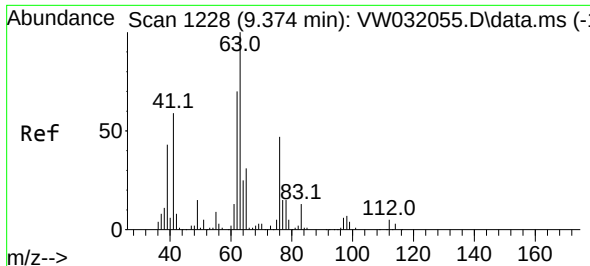
Tgt Ion:	43	Resp:	69849
Ion Ratio	Lower	Upper	
43	100		
61	29.4	23.8	35.8
87	14.1	11.7	17.5



#44
Trichloroethene
Concen: 20.648 ug/l
RT: 9.099 min Scan# 1183
Delta R.T. -0.000 min
Lab File: VW032082.D
Acq: 14 Aug 2025 10:27

Tgt Ion:	130	Resp:	50257
Ion Ratio	Lower	Upper	
130	100		
95	102.9	0.0	200.6

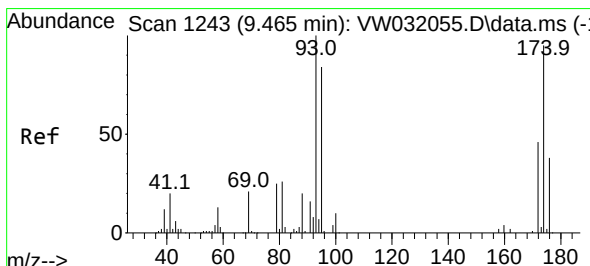
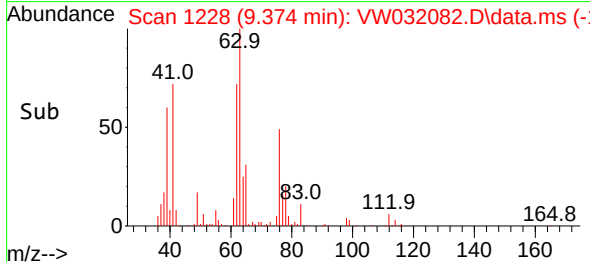
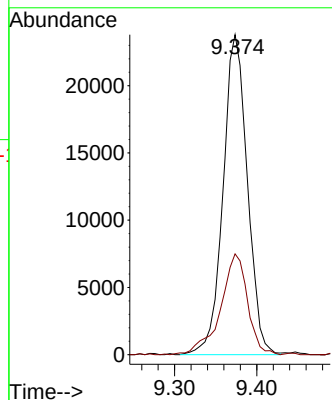
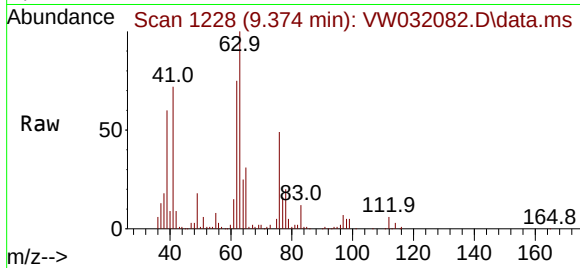




#45
1,2-Dichloropropane
Concen: 19.794 ug/l
RT: 9.374 min Scan# 1228
Delta R.T. -0.000 min
Lab File: VW032082.D
Acq: 14 Aug 2025 10:27

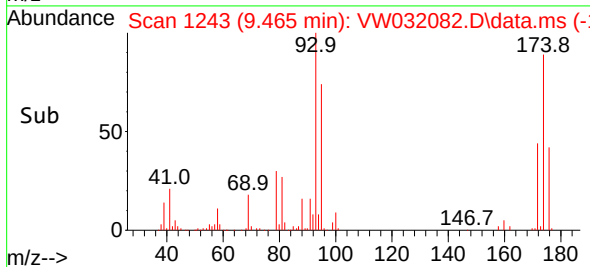
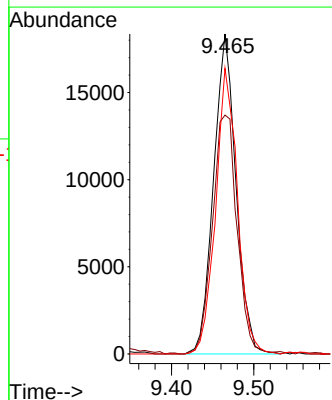
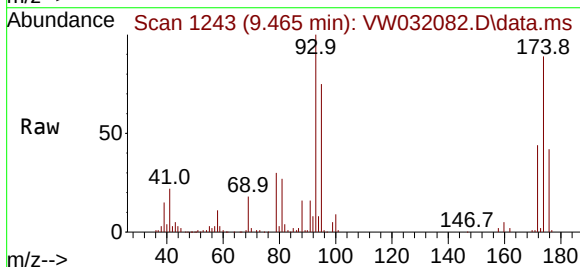
Instrument :
MSVOA_W
ClientSampleId :
VW0814SBS01

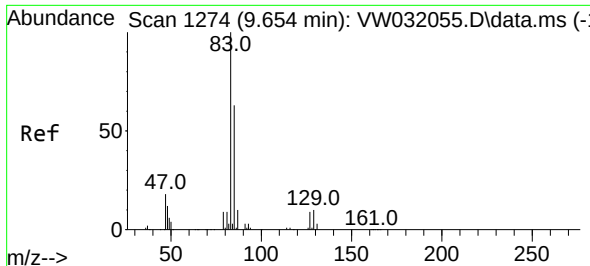
Tgt Ion: 63 Resp: 48874
Ion Ratio Lower Upper
63 100
65 31.5 24.6 36.8



#46
Dibromomethane
Concen: 21.800 ug/l
RT: 9.465 min Scan# 1243
Delta R.T. -0.000 min
Lab File: VW032082.D
Acq: 14 Aug 2025 10:27

Tgt Ion: 93 Resp: 34741
Ion Ratio Lower Upper
93 100
95 82.2 65.3 97.9
174 87.0 68.6 102.8

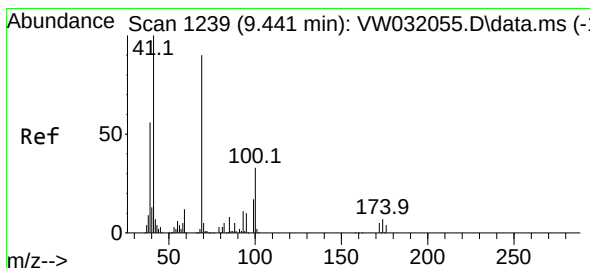
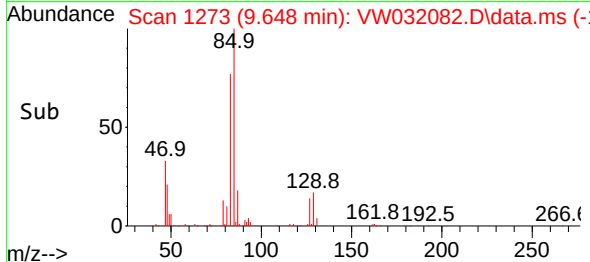
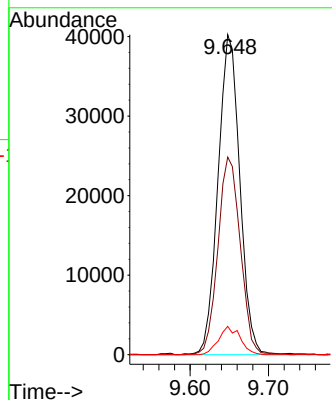
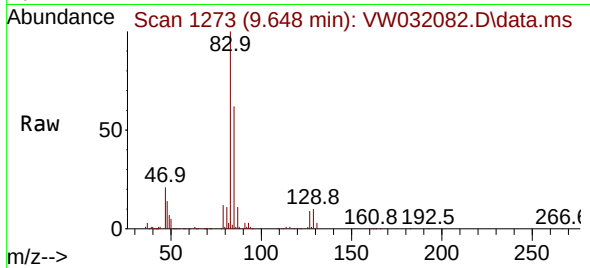




#47
Bromodichloromethane
Concen: 21.199 ug/l
RT: 9.648 min Scan# 1274
Delta R.T. -0.006 min
Lab File: VW032082.D
Acq: 14 Aug 2025 10:27

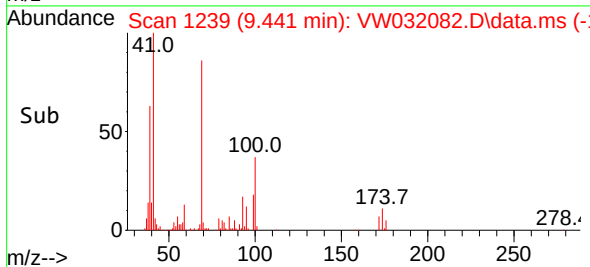
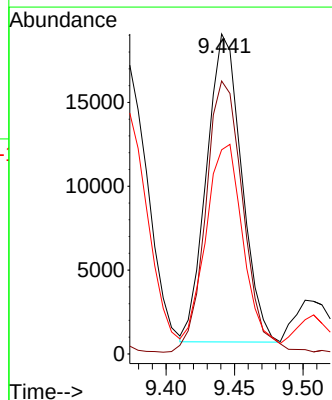
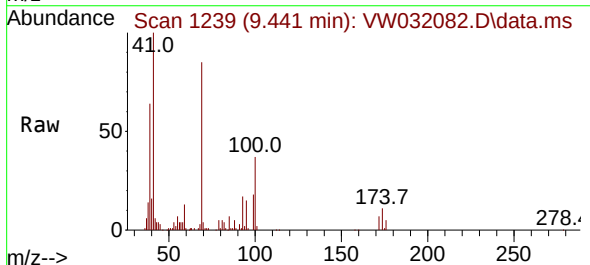
Instrument :
MSVOA_W
ClientSampleId :
VW0814SBS01

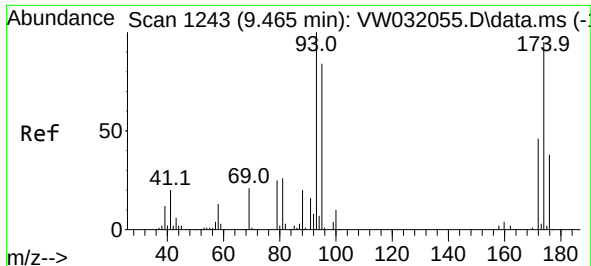
Tgt Ion: 83	Resp: 77846
Ion Ratio	Lower Upper
83 100	
85 61.7	50.6 75.8
127 8.8	6.9 10.3



#48
Methyl methacrylate
Concen: 18.991 ug/l
RT: 9.441 min Scan# 1239
Delta R.T. -0.000 min
Lab File: VW032082.D
Acq: 14 Aug 2025 10:27

Tgt Ion: 41	Resp: 32666
Ion Ratio	Lower Upper
41 100	
69 94.2	73.0 109.6
39 67.6	45.0 67.4#

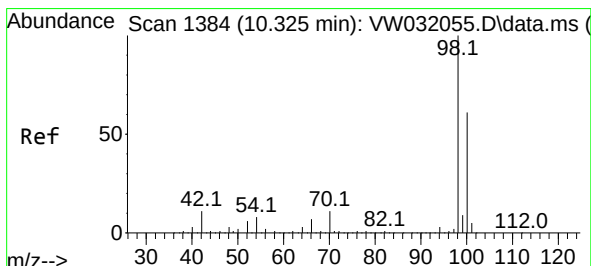
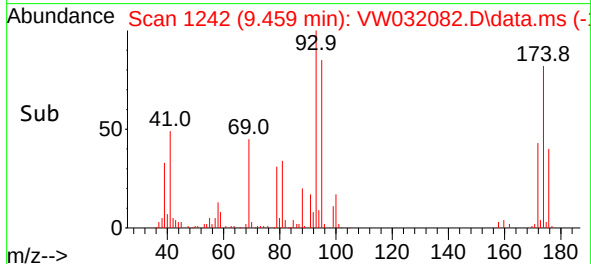
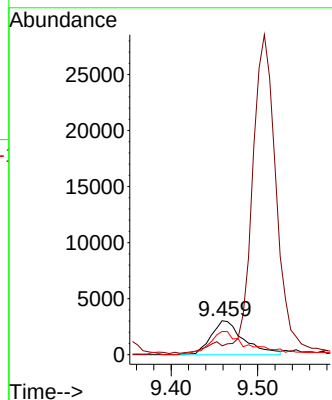
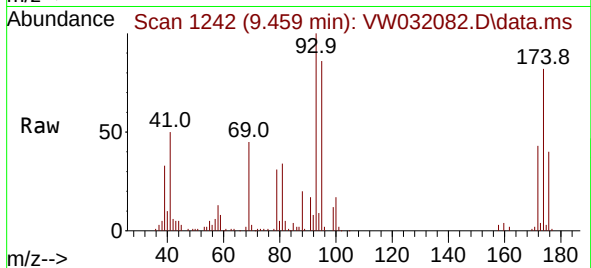




#49
1,4-Dioxane
Concen: 383.262 ug/l
RT: 9.459 min Scan# 1242
Delta R.T. -0.006 min
Lab File: VW032082.D
Acq: 14 Aug 2025 10:27

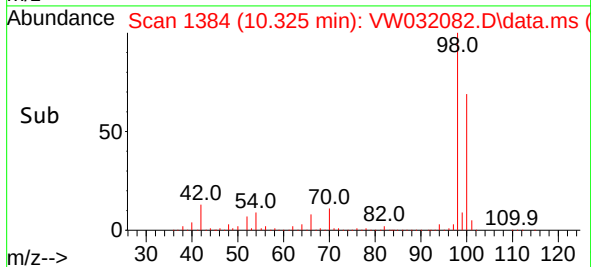
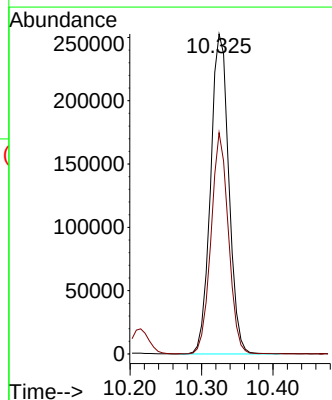
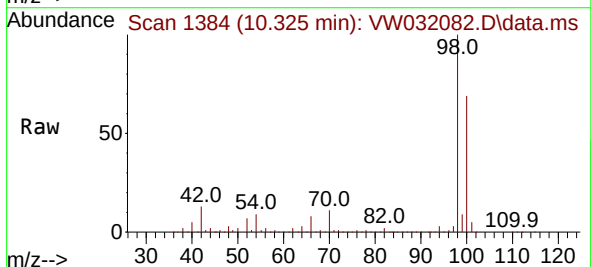
Instrument :
MSVOA_W
ClientSampleId :
VW0814SBS01

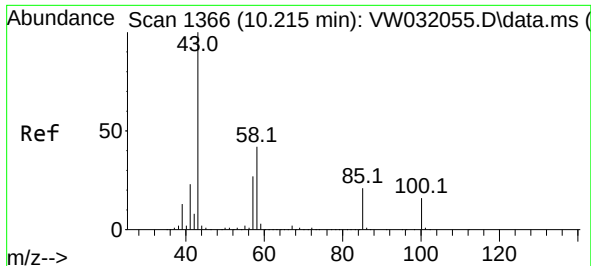
Tgt Ion: 88 Resp: 7897
Ion Ratio Lower Upper
88 100
43 0.0 20.6 30.8#
58 84.4 60.4 90.6



#50
Toluene-d8
Concen: 51.843 ug/l
RT: 10.325 min Scan# 1384
Delta R.T. -0.000 min
Lab File: VW032082.D
Acq: 14 Aug 2025 10:27

Tgt Ion: 98 Resp: 447242
Ion Ratio Lower Upper
98 100
100 65.8 51.1 76.7

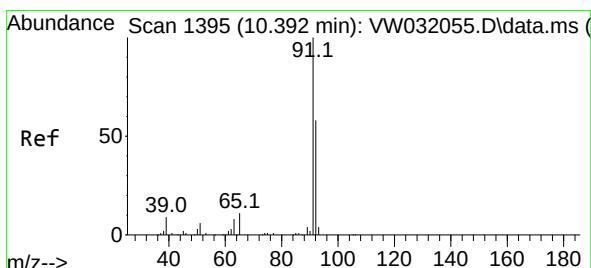
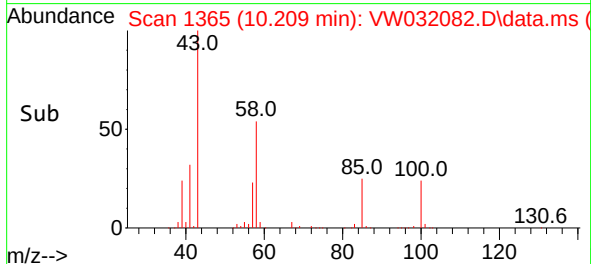
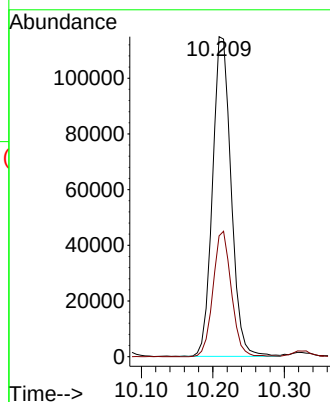
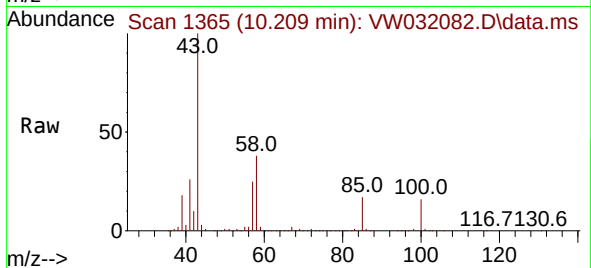




#51
4-Methyl-2-Pentanone
Concen: 103.043 ug/l
RT: 10.209 min Scan# 1365
Delta R.T. -0.006 min
Lab File: VW032082.D
Acq: 14 Aug 2025 10:27

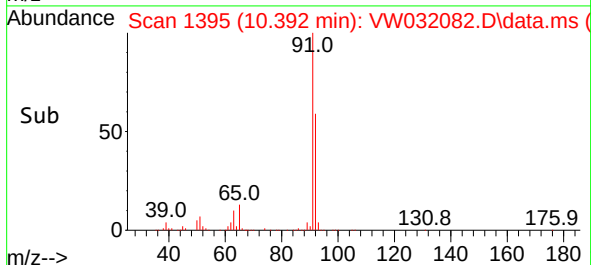
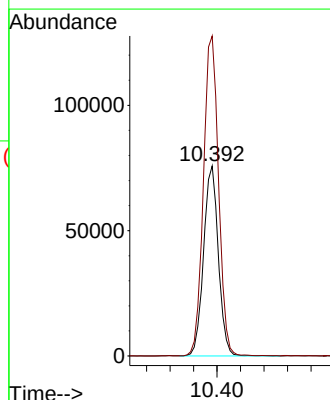
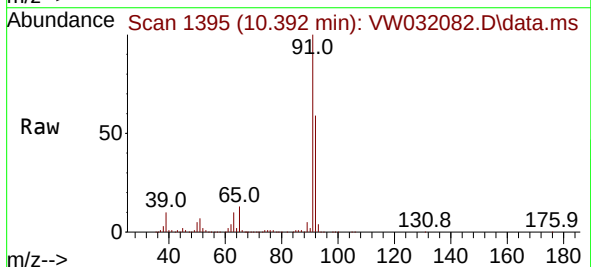
Instrument :
MSVOA_W
ClientSampleId :
VW0814SBS01

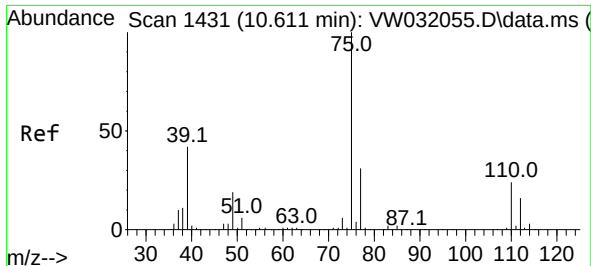
Tgt Ion: 43 Resp: 207218
Ion Ratio Lower Upper
43 100
58 38.8 33.1 49.7



#52
Toluene
Concen: 20.554 ug/l
RT: 10.392 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VW032082.D
Acq: 14 Aug 2025 10:27

Tgt Ion: 92 Resp: 132319
Ion Ratio Lower Upper
92 100
91 172.3 136.3 204.5

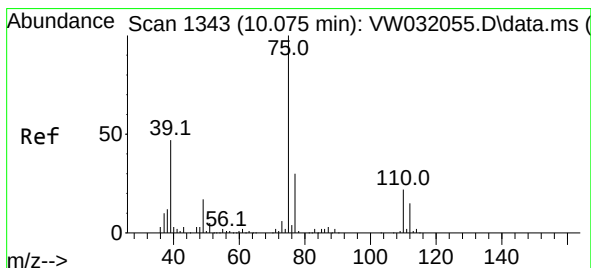
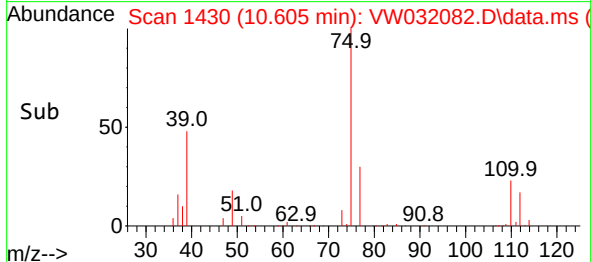
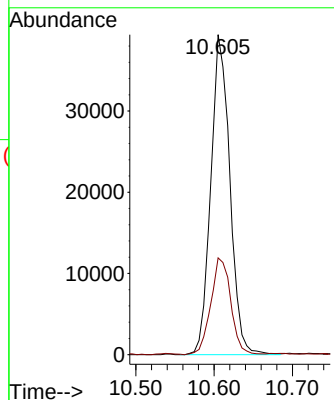
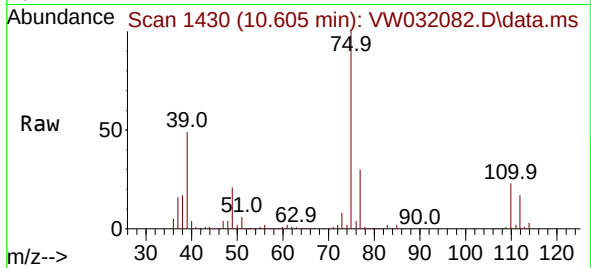




#53
t-1,3-Dichloropropene
Concen: 19.346 ug/l
RT: 10.605 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VW032082.D
Acq: 14 Aug 2025 10:27

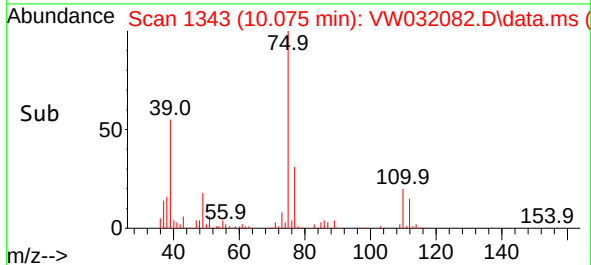
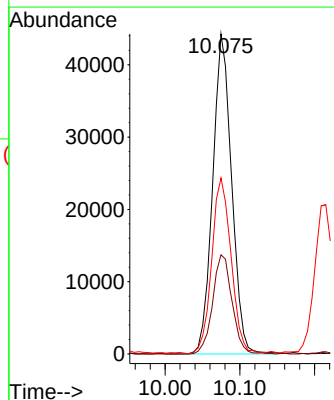
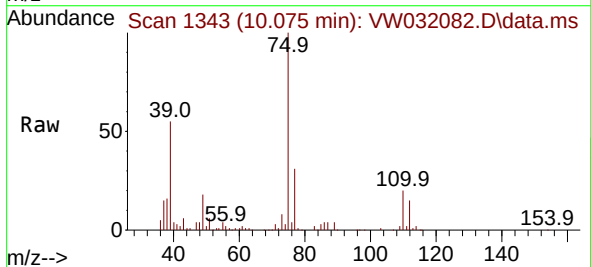
Instrument :
MSVOA_W
ClientSampleId :
VW0814SBS01

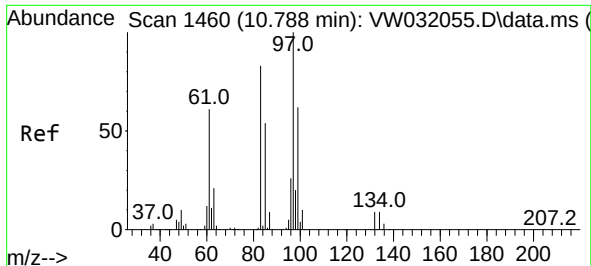
Tgt Ion: 75 Resp: 66557
Ion Ratio Lower Upper
75 100
77 30.1 25.0 37.6



#54
cis-1,3-Dichloropropene
Concen: 19.970 ug/l
RT: 10.075 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VW032082.D
Acq: 14 Aug 2025 10:27

Tgt Ion: 75 Resp: 77941
Ion Ratio Lower Upper
75 100
77 31.0 24.0 36.0
39 54.7 37.8 56.8

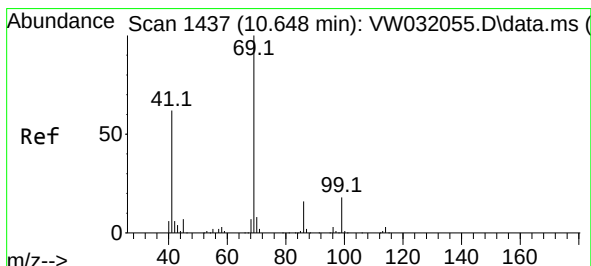
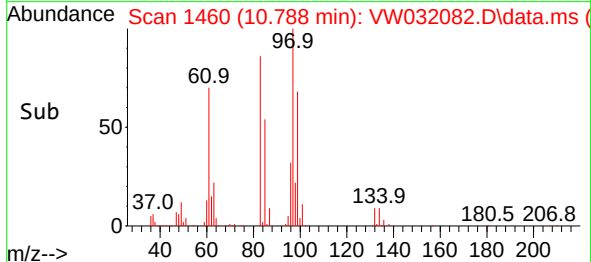
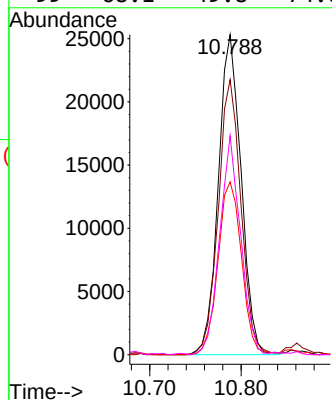
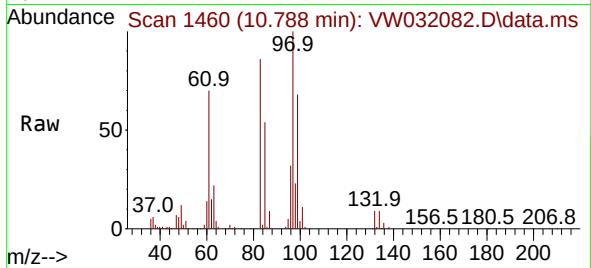




#55
1,1,2-Trichloroethane
Concen: 20.705 ug/l
RT: 10.788 min Scan# 1460
Delta R.T. -0.000 min
Lab File: VW032082.D
Acq: 14 Aug 2025 10:27

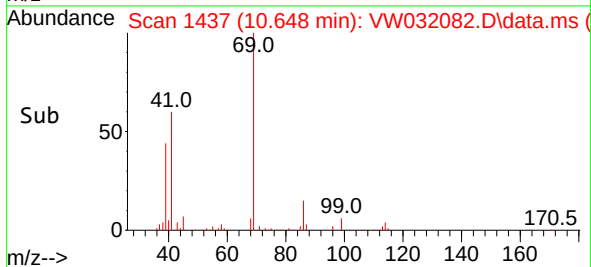
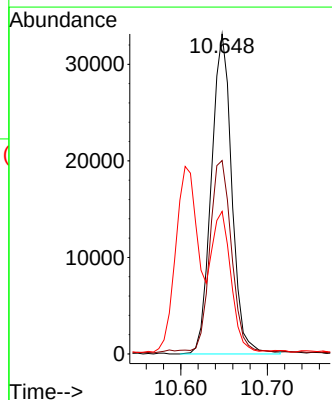
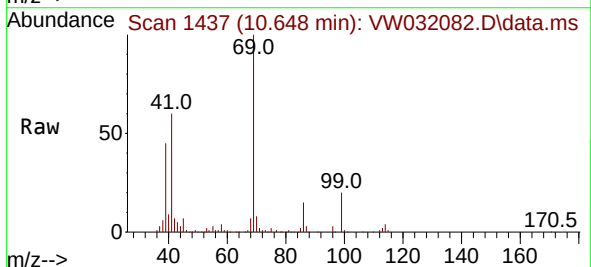
Instrument :
MSVOA_W
ClientSampleId :
VW0814SBS01

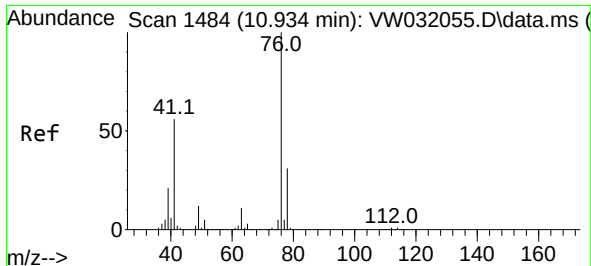
Tgt Ion: 97	Resp: 43846
Ion Ratio	Lower Upper
97 100	
83 85.9	66.4 99.6
85 54.0	43.1 64.7
99 68.1	49.8 74.6



#56
Ethyl methacrylate
Concen: 19.216 ug/l
RT: 10.648 min Scan# 1437
Delta R.T. -0.000 min
Lab File: VW032082.D
Acq: 14 Aug 2025 10:27

Tgt Ion: 69	Resp: 54454
Ion Ratio	Lower Upper
69 100	
41 64.6	51.2 76.8
39 40.4	25.4 38.0#

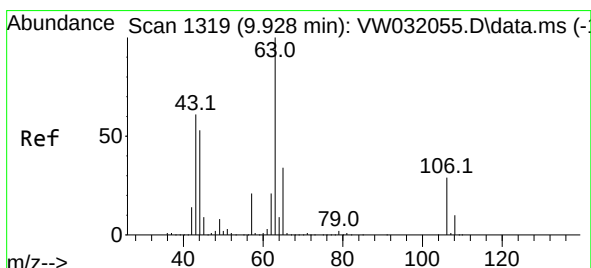
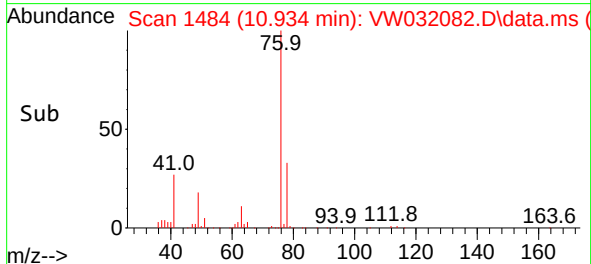
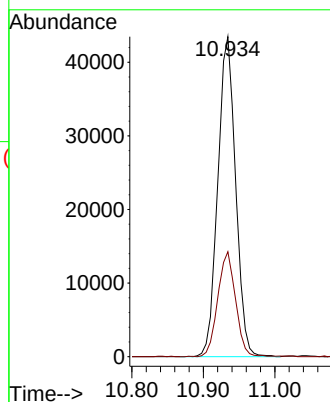
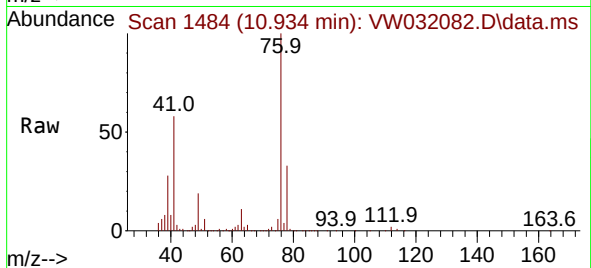




#57
1,3-Dichloropropane
Concen: 20.384 ug/l
RT: 10.934 min Scan# 1484
Delta R.T. -0.000 min
Lab File: VW032082.D
Acq: 14 Aug 2025 10:27

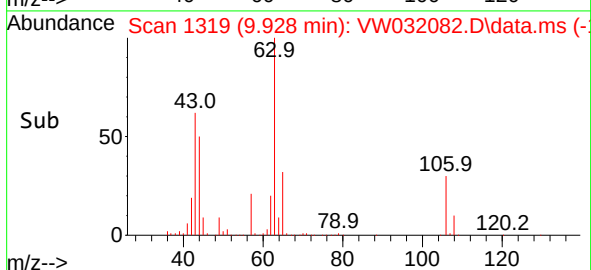
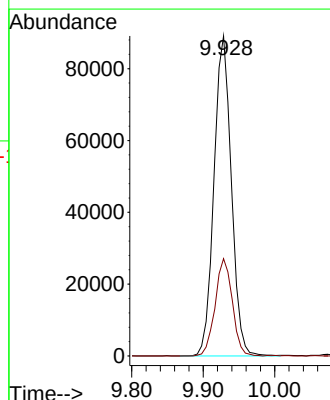
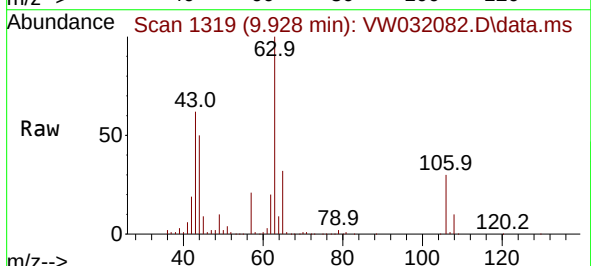
Instrument :
MSVOA_W
ClientSampleId :
VW0814SBS01

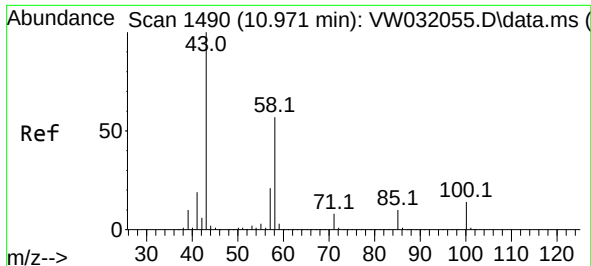
Tgt Ion: 76 Resp: 75241
Ion Ratio Lower Upper
76 100
78 32.7 25.8 38.6



#58
2-Chloroethyl Vinyl ether
Concen: 95.881 ug/l
RT: 9.928 min Scan# 1319
Delta R.T. -0.000 min
Lab File: VW032082.D
Acq: 14 Aug 2025 10:27

Tgt Ion: 63 Resp: 150289
Ion Ratio Lower Upper
63 100
106 30.1 23.5 35.3

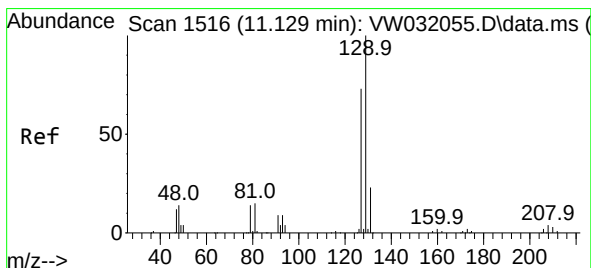
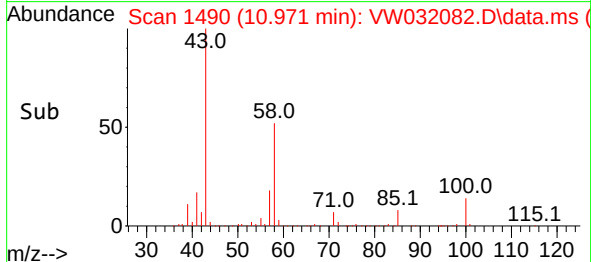
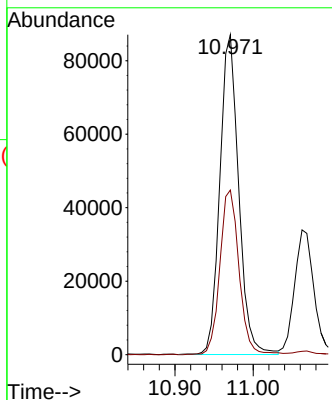
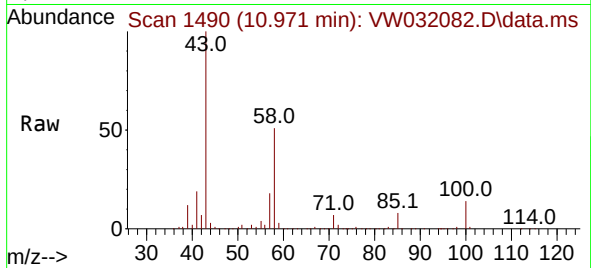




#59
2-Hexanone
Concen: 104.476 ug/l
RT: 10.971 min Scan# 1490
Delta R.T. -0.000 min
Lab File: VW032082.D
Acq: 14 Aug 2025 10:27

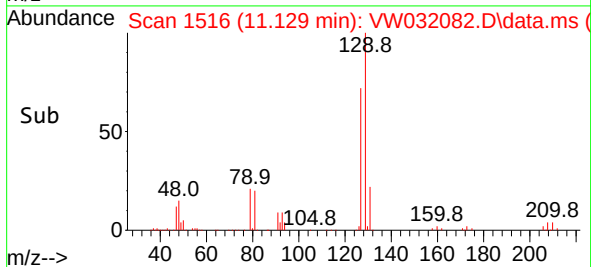
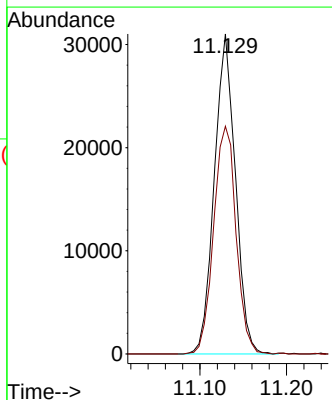
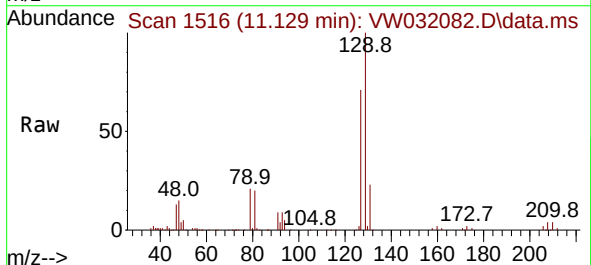
Instrument :
MSVOA_W
ClientSampleId :
VW0814SBS01

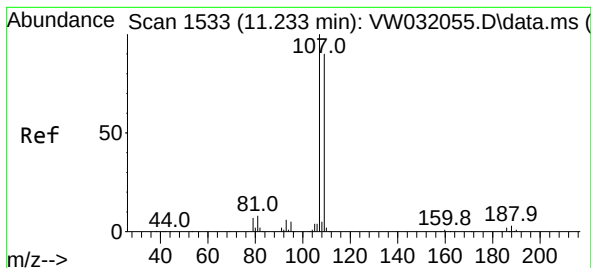
Tgt Ion: 43 Resp: 145508
Ion Ratio Lower Upper
43 100
58 52.4 28.3 85.0



#60
Dibromochloromethane
Concen: 21.668 ug/l
RT: 11.129 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VW032082.D
Acq: 14 Aug 2025 10:27

Tgt Ion: 129 Resp: 52415
Ion Ratio Lower Upper
129 100
127 75.7 39.0 116.9

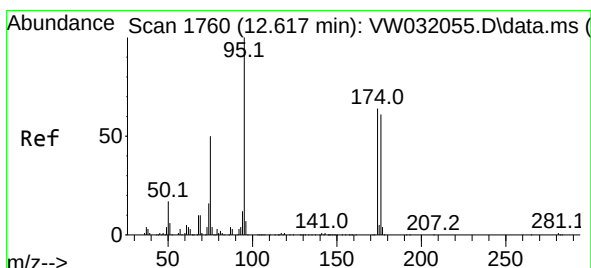
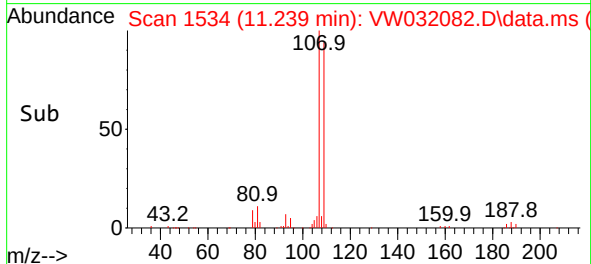
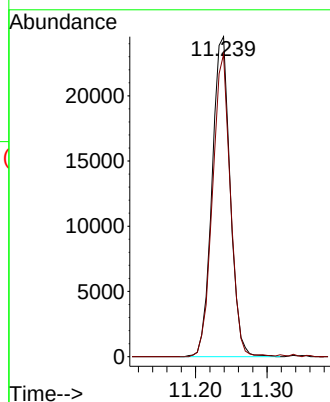
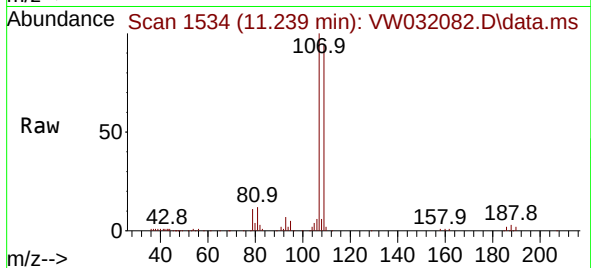




#61
1,2-Dibromoethane
Concen: 20.995 ug/l
RT: 11.239 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW032082.D
Acq: 14 Aug 2025 10:27

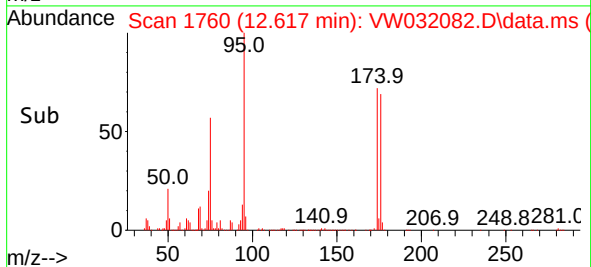
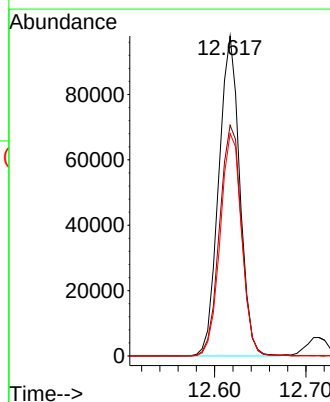
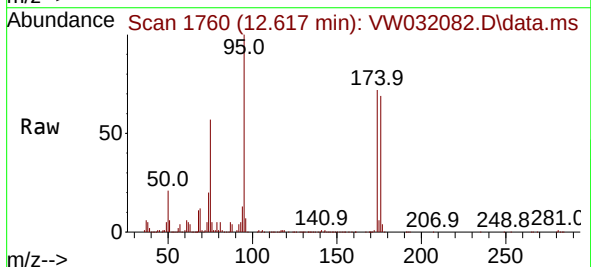
Instrument :
MSVOA_W
ClientSampleId :
VW0814SBS01

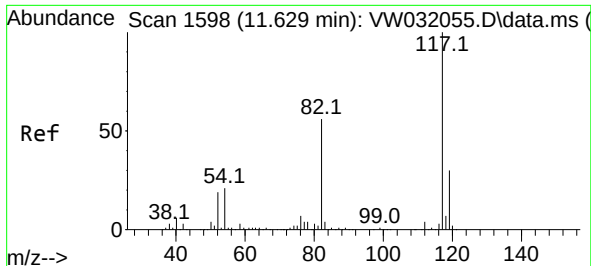
Tgt Ion:107 Resp: 43206
Ion Ratio Lower Upper
107 100
109 93.0 74.2 111.4



#62
4-Bromofluorobenzene
Concen: 49.195 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032082.D
Acq: 14 Aug 2025 10:27

Tgt Ion: 95 Resp: 156394
Ion Ratio Lower Upper
95 100
174 75.5 0.0 129.0
176 71.0 0.0 124.6

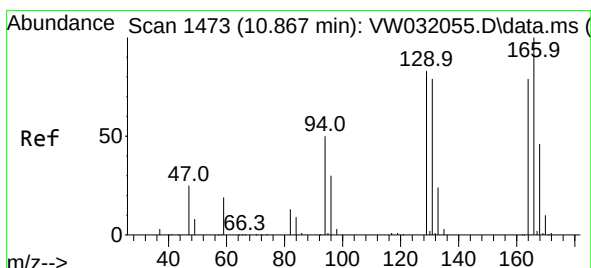
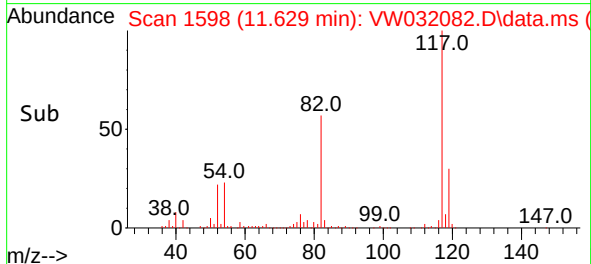
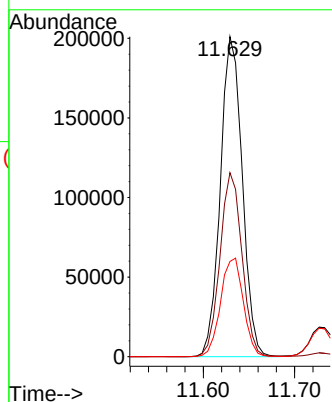
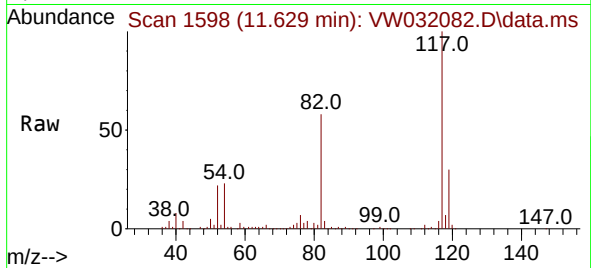




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 117
Delta R.T. -0.000 min
Lab File: VW032082.D
Acq: 14 Aug 2025 10:27

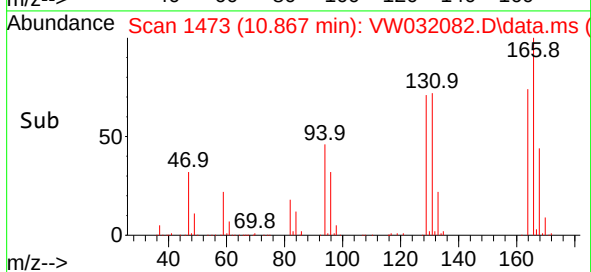
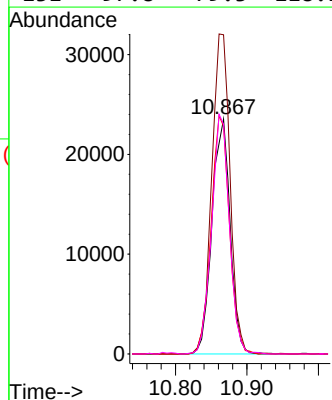
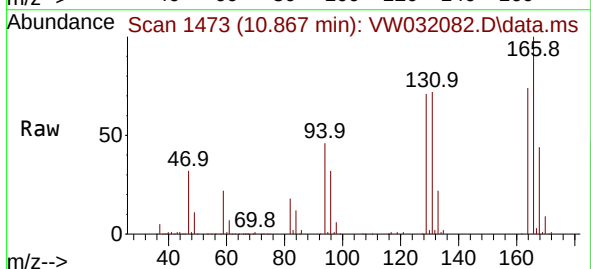
Instrument :
MSVOA_W
ClientSampleId :
VW0814SBS01

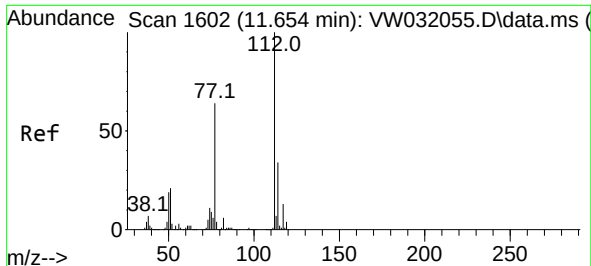
Tgt Ion:117 Resp: 335310
Ion Ratio Lower Upper
117 100
82 57.5 45.0 67.4
119 29.7 24.2 36.4



#64
Tetrachloroethene
Concen: 21.451 ug/l
RT: 10.867 min Scan# 1473
Delta R.T. -0.000 min
Lab File: VW032082.D
Acq: 14 Aug 2025 10:27

Tgt Ion:164 Resp: 41545
Ion Ratio Lower Upper
164 100
166 135.9 100.9 151.3
129 96.9 83.6 125.4
131 97.8 79.3 118.9

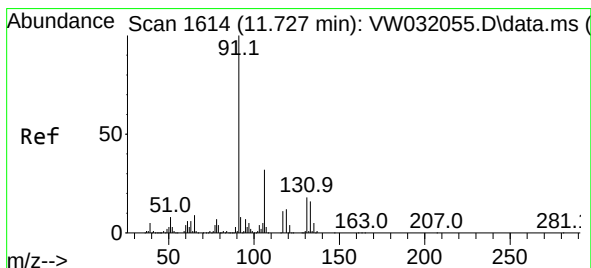
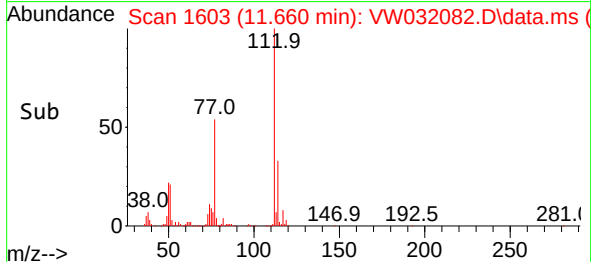
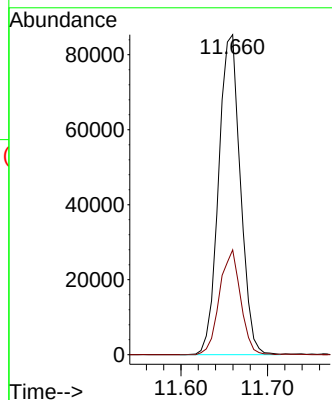
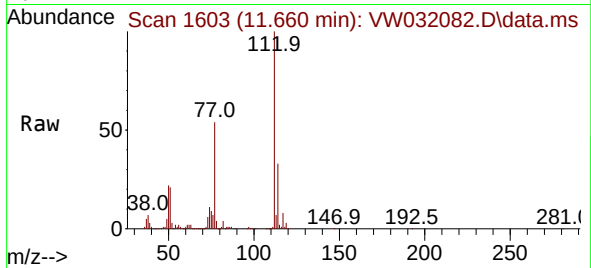




#65
Chlorobenzene
Concen: 20.395 ug/l
RT: 11.660 min Scan# 1603
Delta R.T. 0.006 min
Lab File: VW032082.D
Acq: 14 Aug 2025 10:27

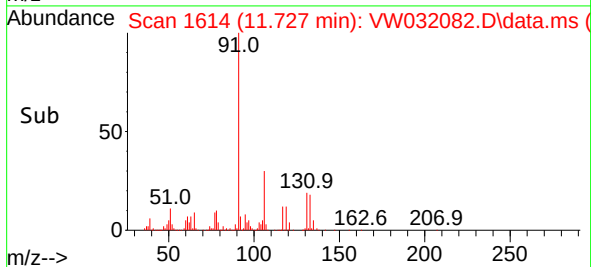
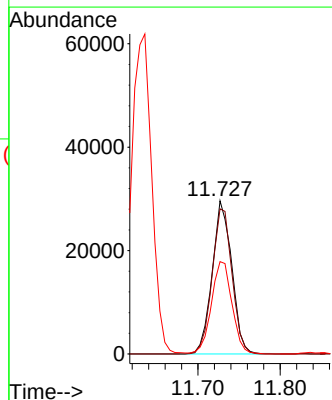
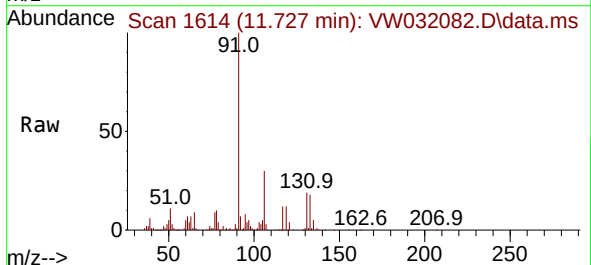
Instrument :
MSVOA_W
ClientSampleId :
VW0814SBS01

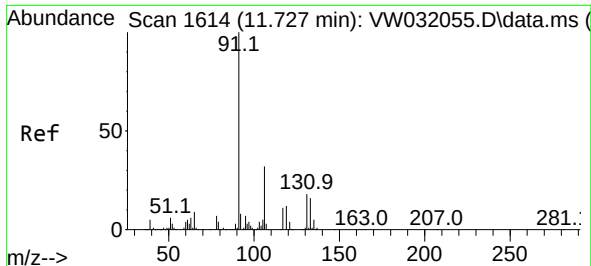
Tgt Ion:112 Resp: 148850
Ion Ratio Lower Upper
112 100
114 32.8 26.9 40.3



#66
1,1,1,2-Tetrachloroethane
Concen: 21.525 ug/l
RT: 11.727 min Scan# 1614
Delta R.T. -0.000 min
Lab File: VW032082.D
Acq: 14 Aug 2025 10:27

Tgt Ion:131 Resp: 49016
Ion Ratio Lower Upper
131 100
133 96.1 47.3 142.0
119 63.4 34.5 103.5

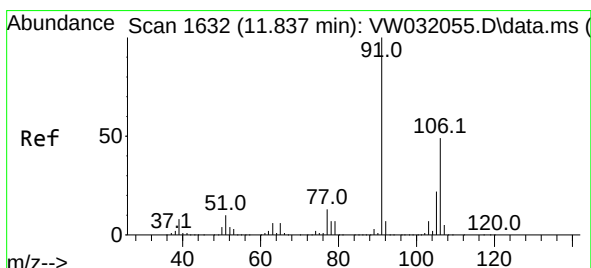
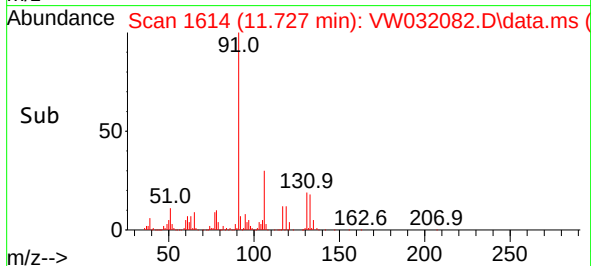
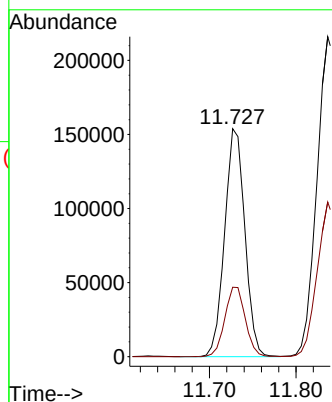
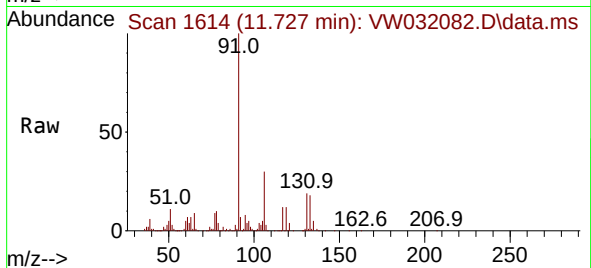




#67
Ethyl Benzene
Concen: 20.179 ug/l
RT: 11.727 min Scan# 1614
Delta R.T. -0.000 min
Lab File: VW032082.D
Acq: 14 Aug 2025 10:27

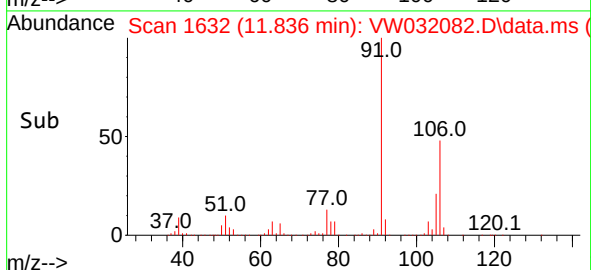
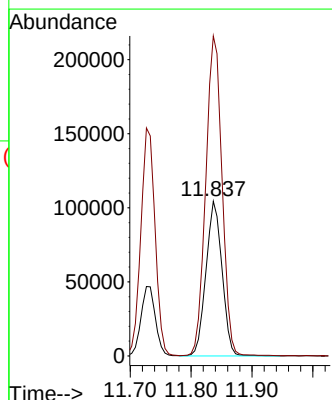
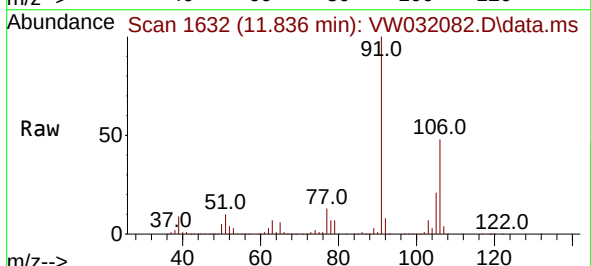
Instrument :
MSVOA_W
ClientSampleId :
VW0814SBS01

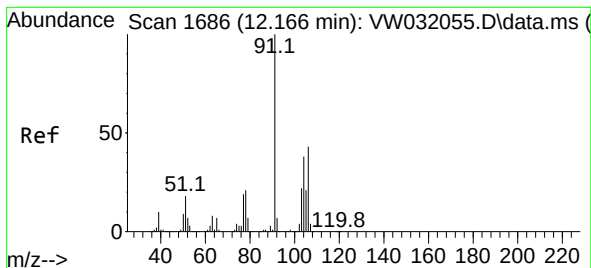
Tgt Ion: 91 Resp: 249471
Ion Ratio Lower Upper
91 100
106 30.5 25.4 38.0



#68
m/p-Xylenes
Concen: 40.121 ug/l
RT: 11.836 min Scan# 1632
Delta R.T. -0.000 min
Lab File: VW032082.D
Acq: 14 Aug 2025 10:27

Tgt Ion: 106 Resp: 191394
Ion Ratio Lower Upper
106 100
91 209.1 162.2 243.2

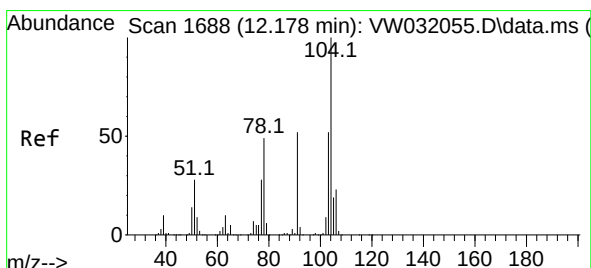
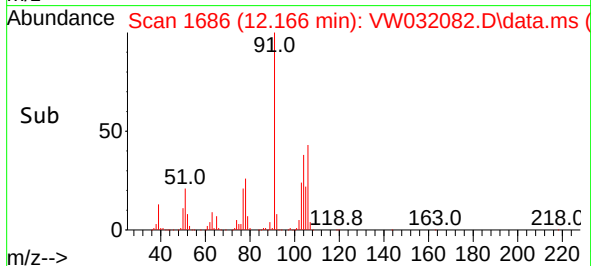
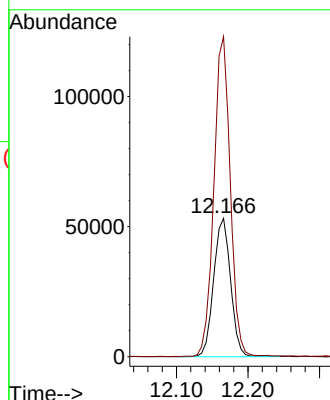
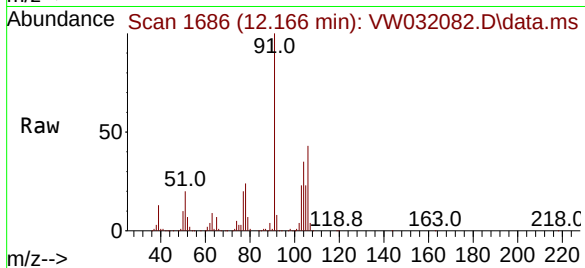




#69
o-Xylene
Concen: 19.829 ug/l
RT: 12.166 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VW032082.D
Acq: 14 Aug 2025 10:27

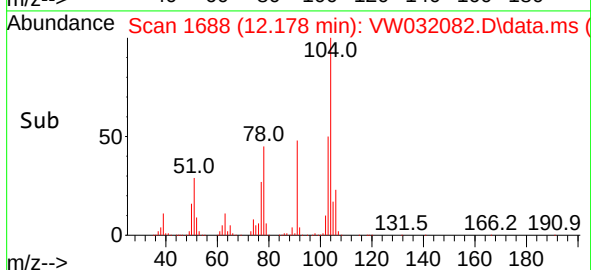
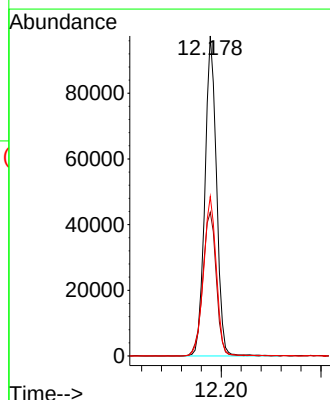
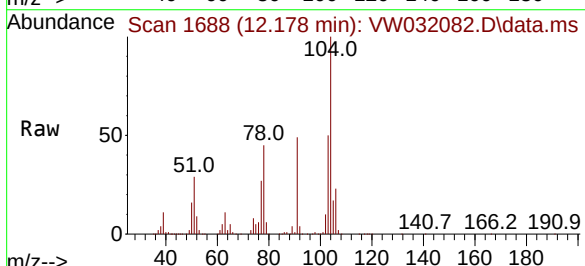
Instrument :
MSVOA_W
ClientSampleId :
VW0814SBS01

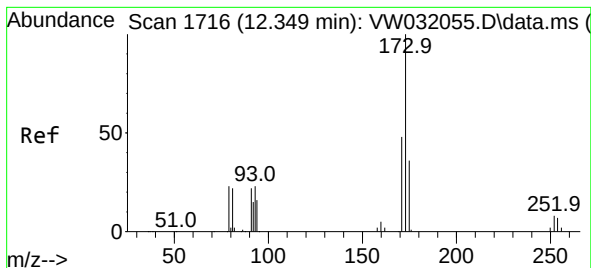
Tgt Ion:106 Resp: 87428
Ion Ratio Lower Upper
106 100
91 224.3 110.8 332.3



#70
Styrene
Concen: 20.133 ug/l
RT: 12.178 min Scan# 1688
Delta R.T. -0.000 min
Lab File: VW032082.D
Acq: 14 Aug 2025 10:27

Tgt Ion:104 Resp: 157674
Ion Ratio Lower Upper
104 100
78 51.7 41.2 61.8
103 54.6 43.8 65.8





#71

Bromoform

Concen: 22.114 ug/l

RT: 12.349 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW032082.D

Acq: 14 Aug 2025 10:27

Instrument :

MSVOA_W

ClientSampleId :

VW0814SBS01

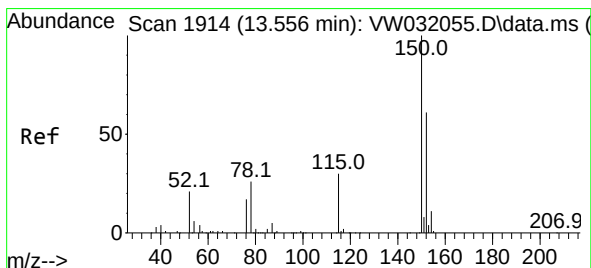
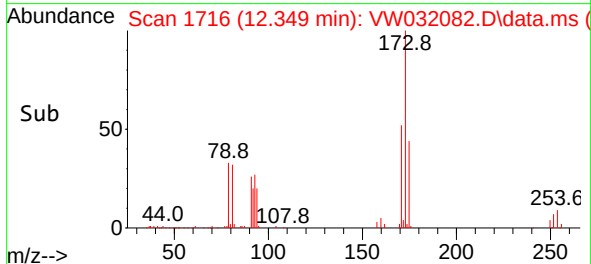
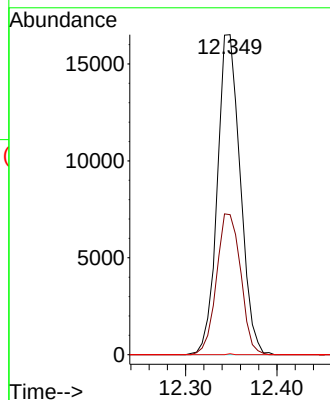
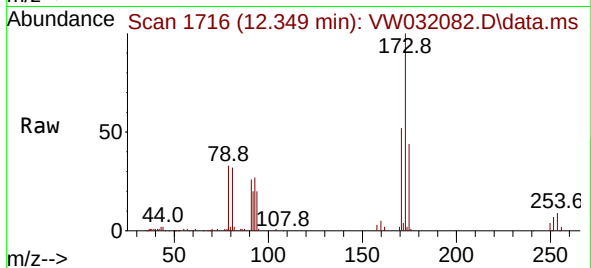
Tgt Ion:173 Resp: 28805

Ion Ratio Lower Upper

173 100

175 46.3 22.9 68.7

254 0.1 0.0 0.0#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.556 min Scan# 1914

Delta R.T. -0.000 min

Lab File: VW032082.D

Acq: 14 Aug 2025 10:27

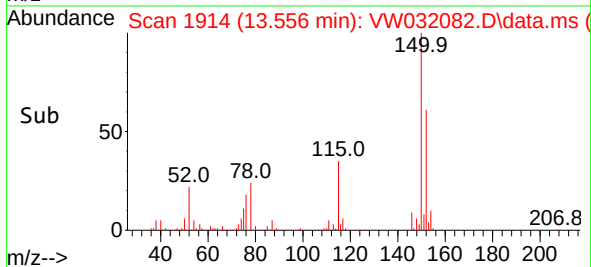
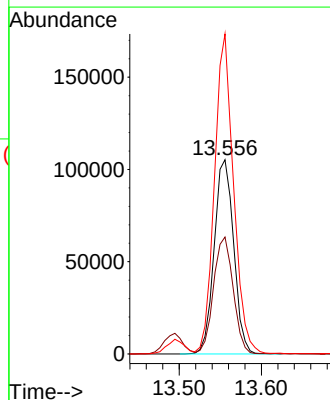
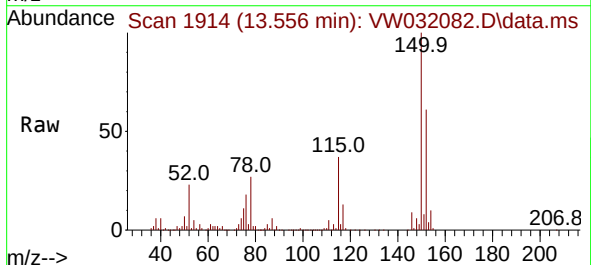
Tgt Ion:152 Resp: 173541

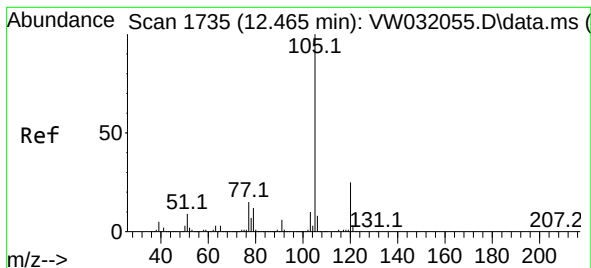
Ion Ratio Lower Upper

152 100

115 60.4 32.6 97.8

150 161.1 0.0 359.4

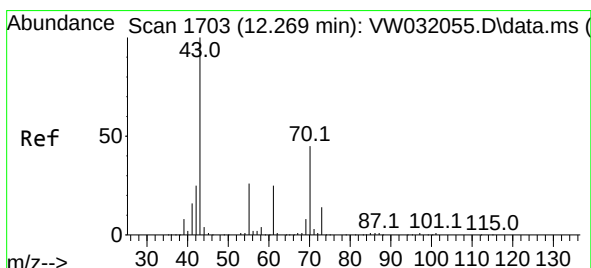
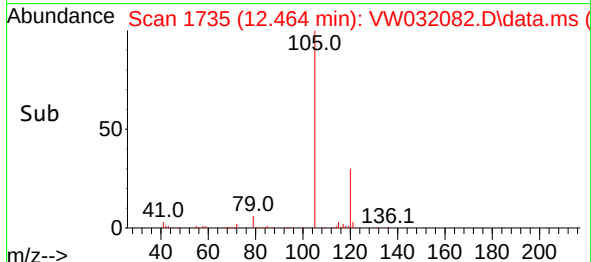
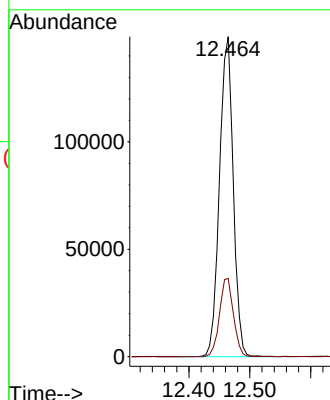
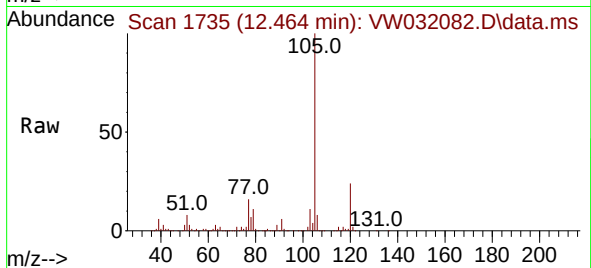




#73
Isopropylbenzene
Concen: 19.298 ug/l
RT: 12.464 min Scan# 1735
Delta R.T. -0.000 min
Lab File: VW032082.D
Acq: 14 Aug 2025 10:27

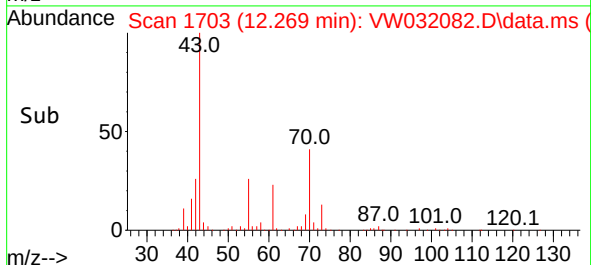
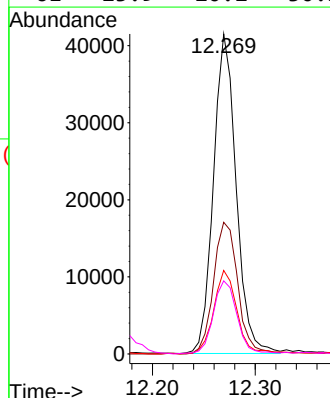
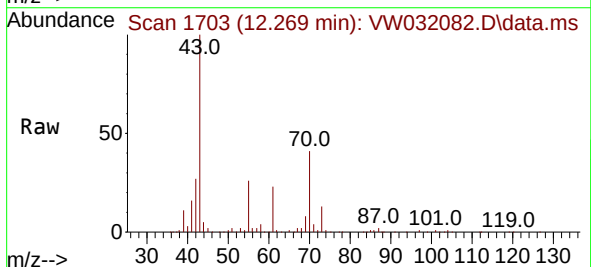
Instrument :
MSVOA_W
ClientSampleId :
VW0814SBS01

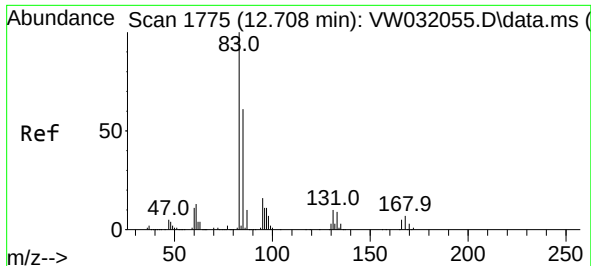
Tgt Ion:105 Resp: 234043
Ion Ratio Lower Upper
105 100
120 24.8 12.8 38.4



#74
N-ethyl acetate
Concen: 18.263 ug/l
RT: 12.269 min Scan# 1703
Delta R.T. -0.000 min
Lab File: VW032082.D
Acq: 14 Aug 2025 10:27

Tgt Ion: 43 Resp: 63547
Ion Ratio Lower Upper
43 100
70 44.6 37.0 55.4
55 27.2 21.1 31.7
61 23.9 20.2 30.2

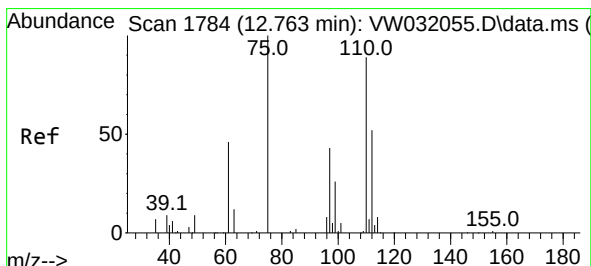
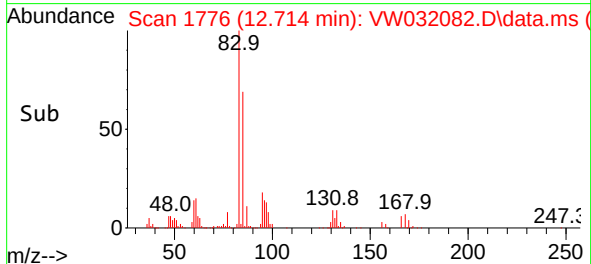
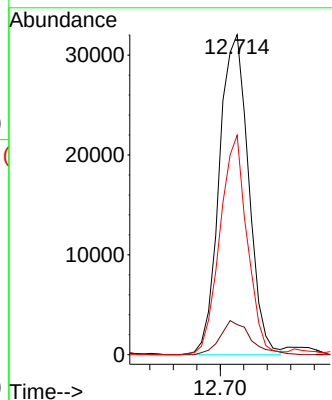
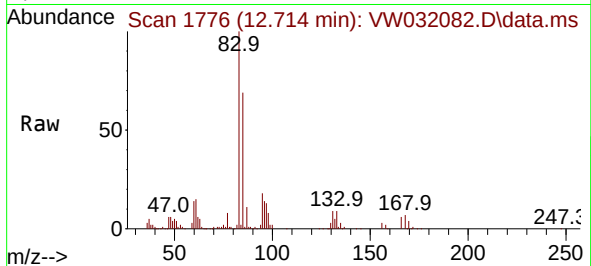




#75
1,1,2,2-Tetrachloroethane
Concen: 19.244 ug/l
RT: 12.714 min Scan# 1776
Delta R.T. 0.006 min
Lab File: VW032082.D
Acq: 14 Aug 2025 10:27

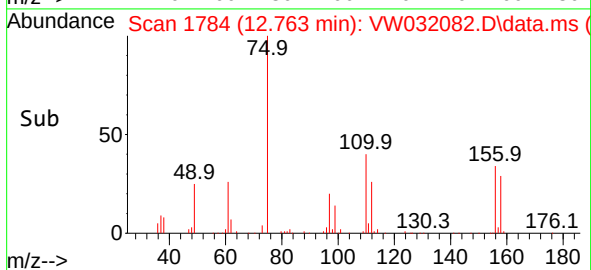
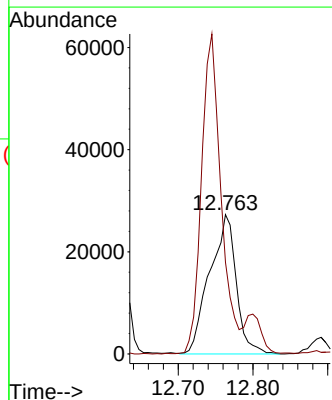
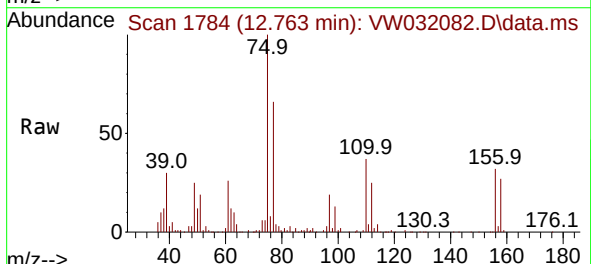
Instrument :
MSVOA_W
ClientSampleId :
VW0814SBS01

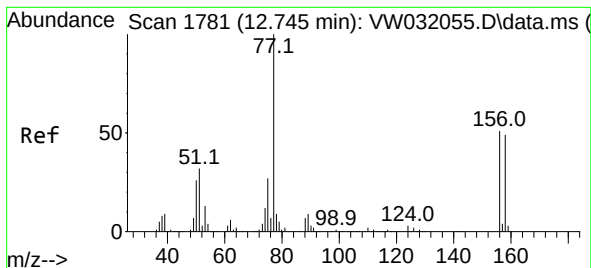
Tgt Ion: 83 Resp: 55414
Ion Ratio Lower Upper
83 100
131 11.1 5.1 15.4
85 64.0 32.2 96.6



#76
1,2,3-Trichloropropane
Concen: 28.664 ug/l
RT: 12.763 min Scan# 1784
Delta R.T. -0.000 min
Lab File: VW032082.D
Acq: 14 Aug 2025 10:27

Tgt Ion: 75 Resp: 67514
Ion Ratio Lower Upper
75 100
77 168.6 123.5 370.5





#77

Bromobenzene

Concen: 20.288 ug/l

RT: 12.745 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW032082.D

Acq: 14 Aug 2025 10:27

Instrument :

MSVOA_W

ClientSampleId :

VW0814SBS01

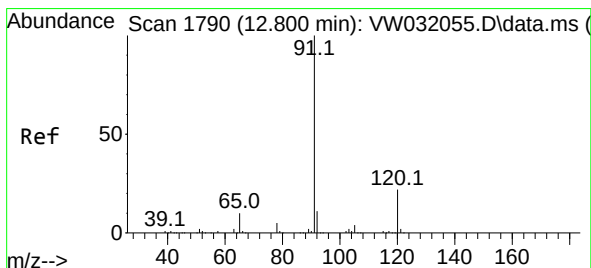
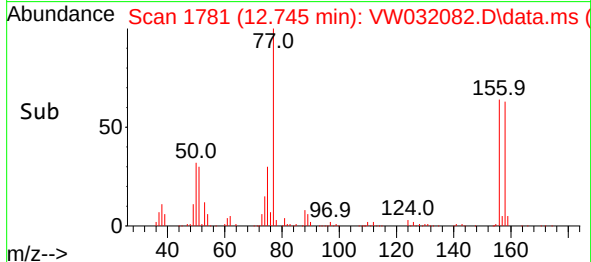
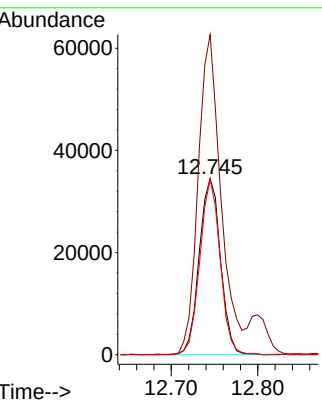
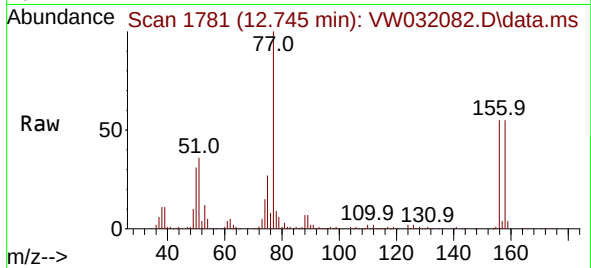
Tgt Ion:156 Resp: 58767

Ion Ratio Lower Upper

156 100

77 193.7 108.7 326.3

158 94.5 48.3 144.9



#78

n-propylbenzene

Concen: 19.630 ug/l

RT: 12.800 min Scan# 1790

Delta R.T. -0.000 min

Lab File: VW032082.D

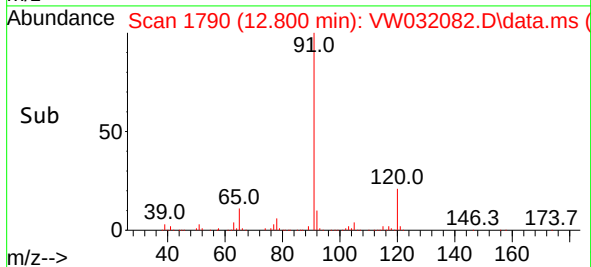
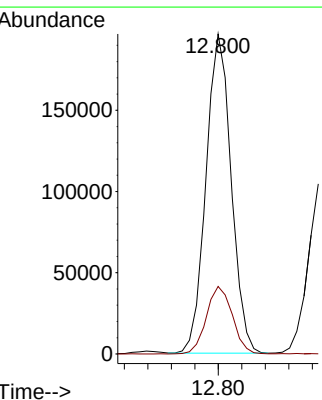
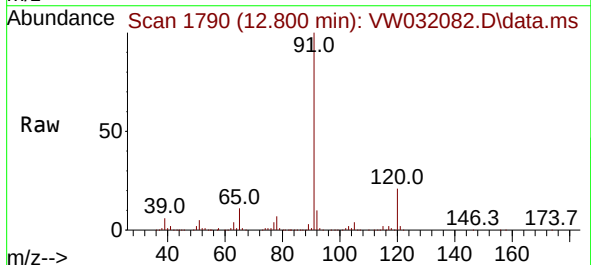
Acq: 14 Aug 2025 10:27

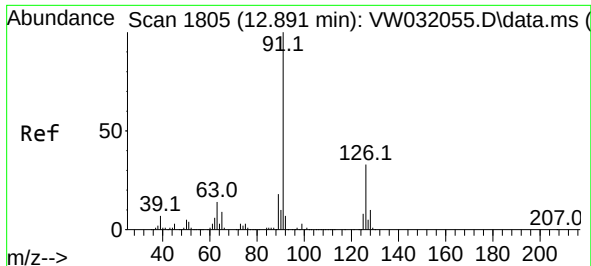
Tgt Ion: 91 Resp: 293106

Ion Ratio Lower Upper

91 100

120 21.8 11.1 33.3

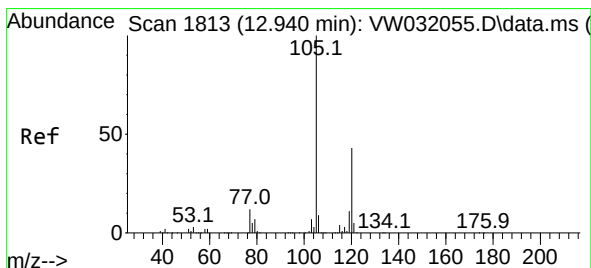
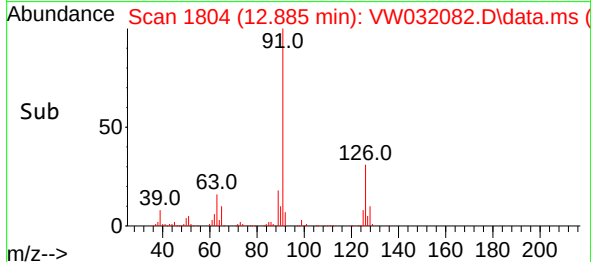
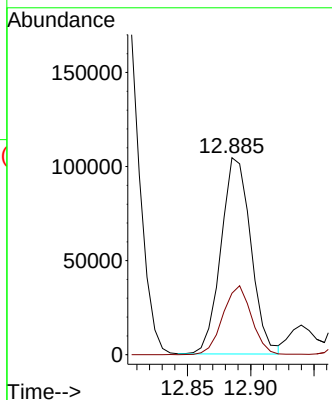
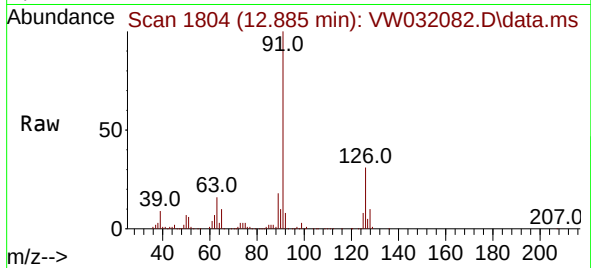




#79
2-Chlorotoluene
Concen: 18.674 ug/l
RT: 12.885 min Scan# 1804
Delta R.T. -0.006 min
Lab File: VW032082.D
Acq: 14 Aug 2025 10:27

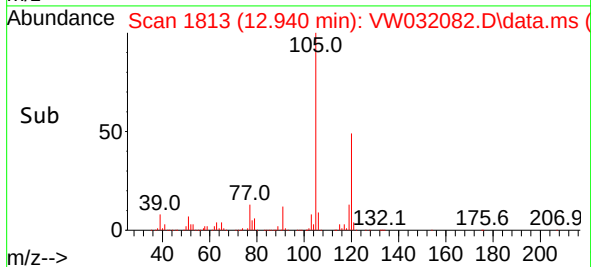
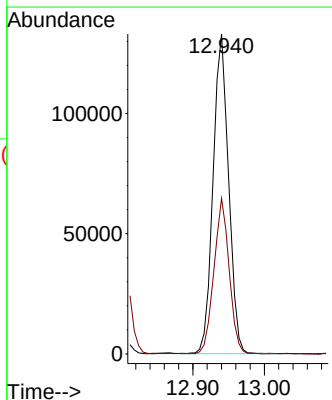
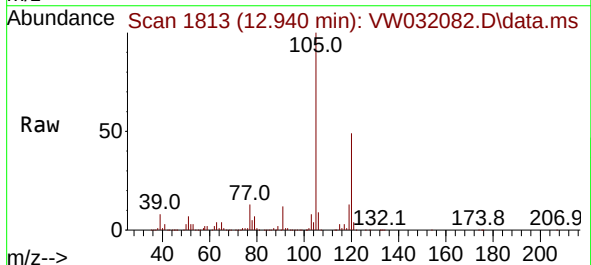
Instrument :
MSVOA_W
ClientSampleId :
VW0814SBS01

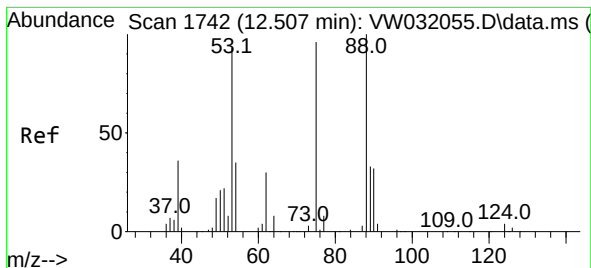
Tgt Ion: 91 Resp: 172088
Ion Ratio Lower Upper
91 100
126 33.8 15.9 47.7



#80
1,3,5-Trimethylbenzene
Concen: 19.419 ug/l
RT: 12.940 min Scan# 1813
Delta R.T. -0.000 min
Lab File: VW032082.D
Acq: 14 Aug 2025 10:27

Tgt Ion: 105 Resp: 199943
Ion Ratio Lower Upper
105 100
120 47.8 23.4 70.0

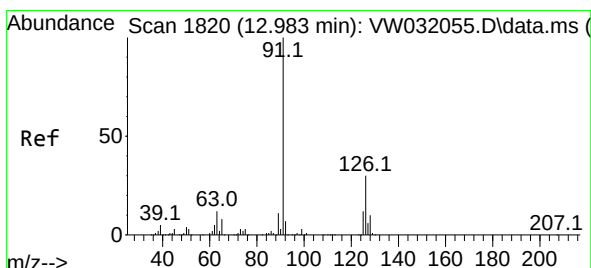
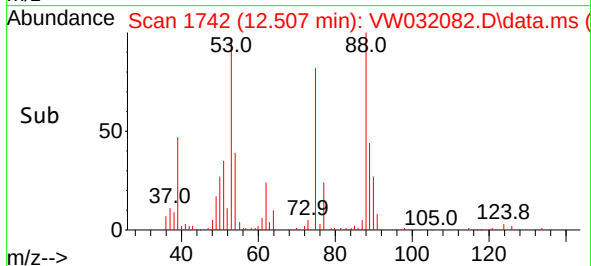
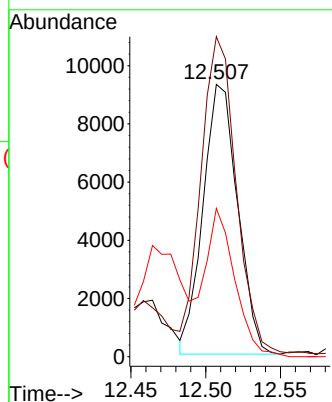
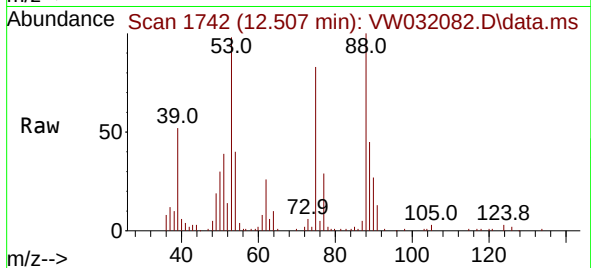




#81
trans-1,4-Dichloro-2-butene
Concen: 16.406 ug/l
RT: 12.507 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW032082.D
Acq: 14 Aug 2025 10:27

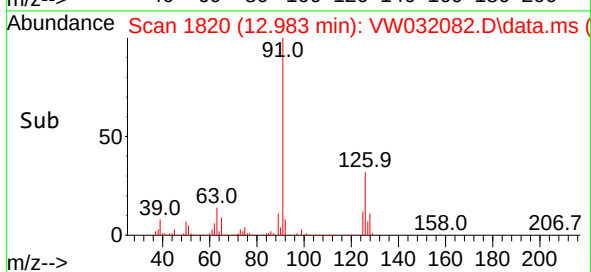
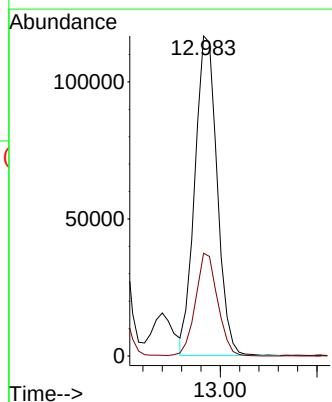
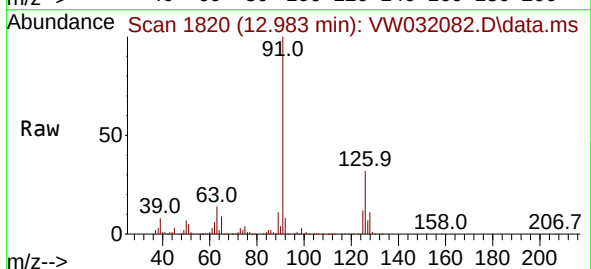
Instrument :
MSVOA_W
ClientSampleId :
VW0814SBS01

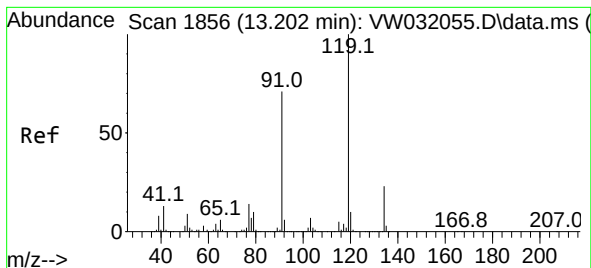
Tgt Ion: 75 Resp: 14926
Ion Ratio Lower Upper
75 100
53 123.4 81.0 121.6#
89 48.6 37.3 55.9



#82
4-Chlorotoluene
Concen: 19.042 ug/l
RT: 12.983 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VW032082.D
Acq: 14 Aug 2025 10:27

Tgt Ion: 91 Resp: 186440
Ion Ratio Lower Upper
91 100
126 32.1 15.5 46.5

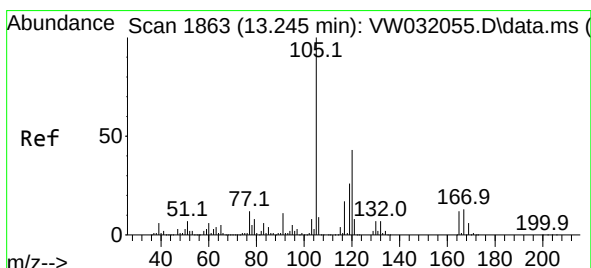
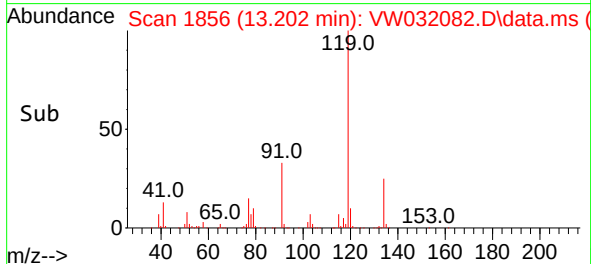
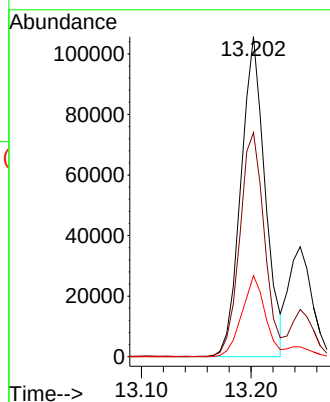
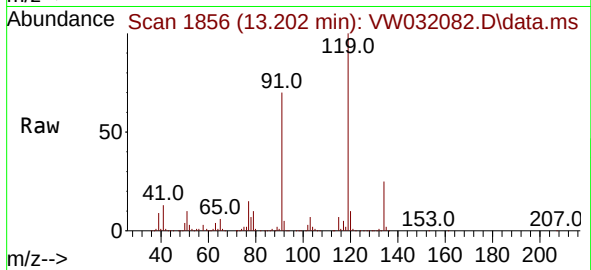




#83
tert-Butylbenzene
Concen: 19.009 ug/l
RT: 13.202 min Scan# 1856
Delta R.T. -0.000 min
Lab File: VW032082.D
Acq: 14 Aug 2025 10:27

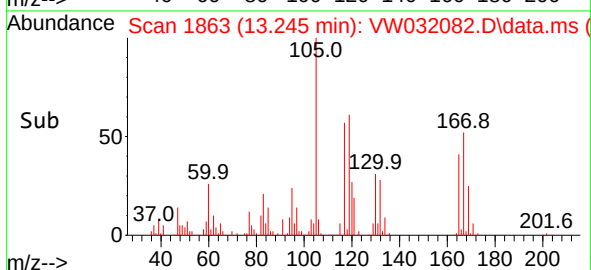
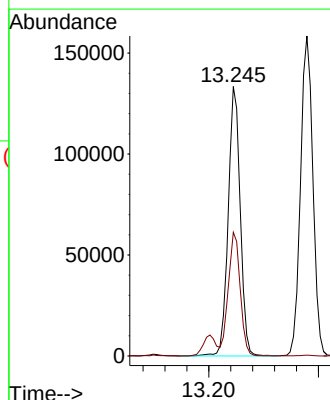
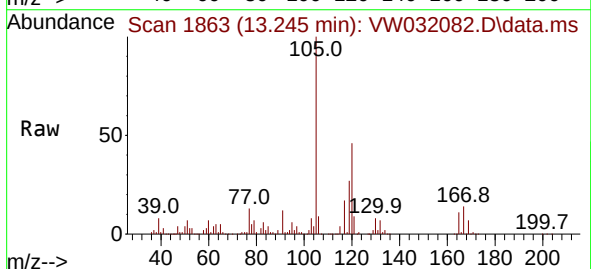
Instrument :
MSVOA_W
ClientSampleId :
VW0814SBS01

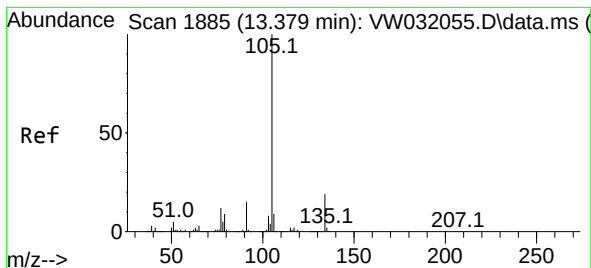
Tgt Ion:119 Resp: 162438
Ion Ratio Lower Upper
119 100
91 70.8 35.3 105.9
134 24.8 12.1 36.3



#84
1,2,4-Trimethylbenzene
Concen: 19.477 ug/l
RT: 13.245 min Scan# 1863
Delta R.T. -0.000 min
Lab File: VW032082.D
Acq: 14 Aug 2025 10:27

Tgt Ion:105 Resp: 204141
Ion Ratio Lower Upper
105 100
120 45.4 21.6 64.8





#85

sec-Butylbenzene

Concen: 19.074 ug/l

RT: 13.379 min Scan# 1885

Delta R.T. -0.000 min

Lab File: VW032082.D

Acq: 14 Aug 2025 10:27

Instrument :

MSVOA_W

ClientSampleId :

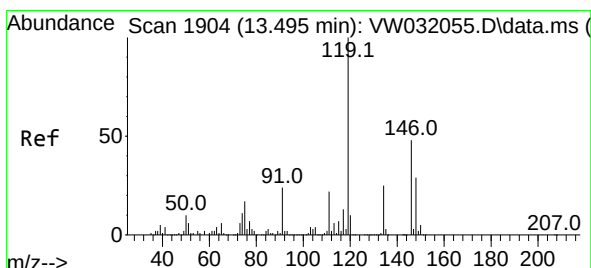
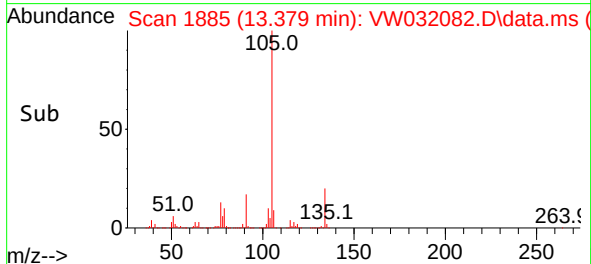
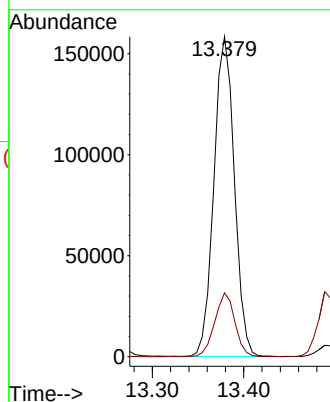
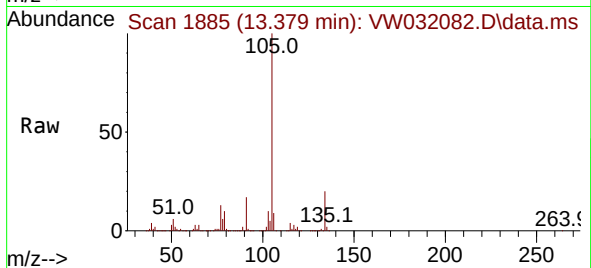
VW0814SBS01

Tgt Ion:105 Resp: 246430

Ion Ratio Lower Upper

105 100

134 19.6 9.9 29.7



#86

p-Isopropyltoluene

Concen: 19.547 ug/l

RT: 13.495 min Scan# 1904

Delta R.T. -0.000 min

Lab File: VW032082.D

Acq: 14 Aug 2025 10:27

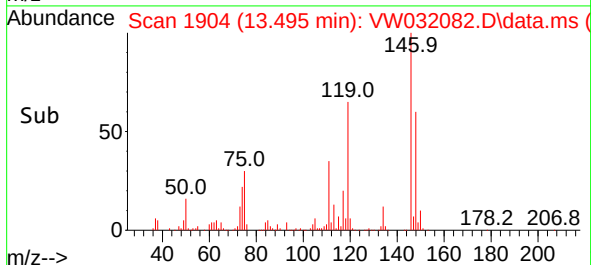
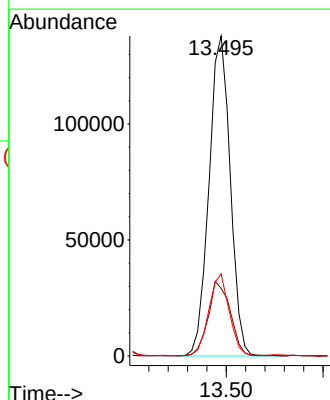
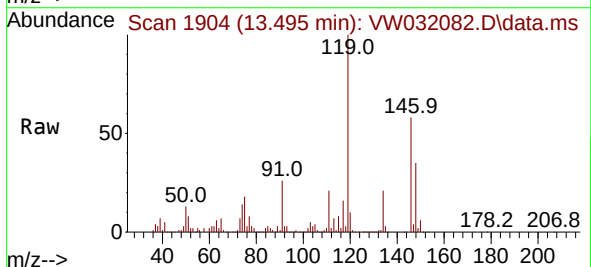
Tgt Ion:119 Resp: 210533

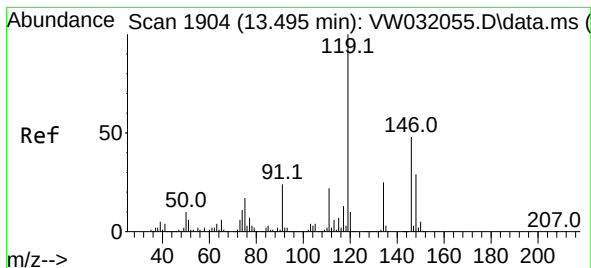
Ion Ratio Lower Upper

119 100

134 24.2 12.4 37.0

91 24.6 12.1 36.3





#87

1,3-Dichlorobenzene

Concen: 21.455 ug/l

RT: 13.495 min Scan# 1904

Delta R.T. -0.000 min

Lab File: VW032082.D

Acq: 14 Aug 2025 10:27

Instrument :

MSVOA_W

ClientSampleId :

VW0814SBS01

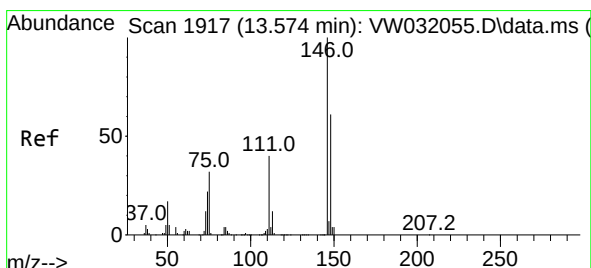
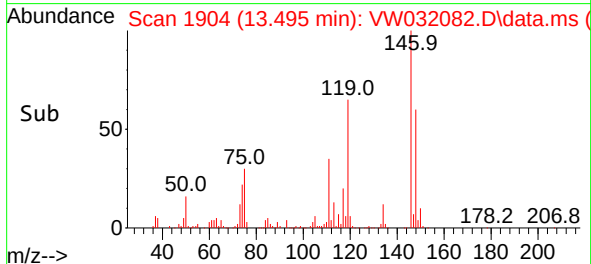
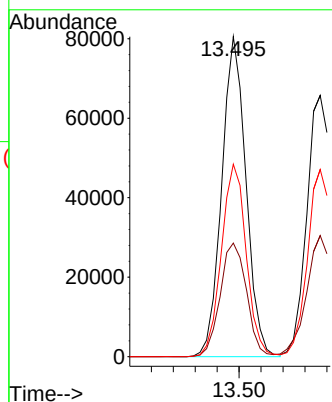
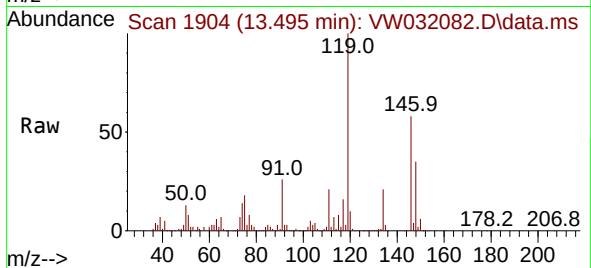
Tgt Ion:146 Resp: 123661

Ion Ratio Lower Upper

146 100

111 38.6 21.2 63.6

148 61.7 30.3 90.8



#88

1,4-Dichlorobenzene

Concen: 19.366 ug/l

RT: 13.574 min Scan# 1917

Delta R.T. -0.000 min

Lab File: VW032082.D

Acq: 14 Aug 2025 10:27

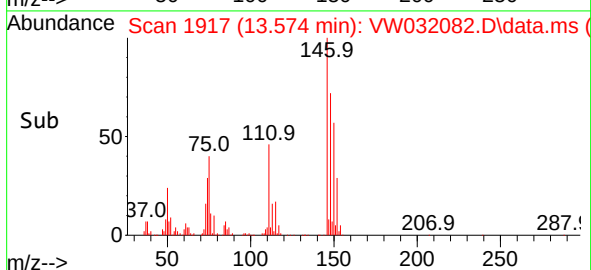
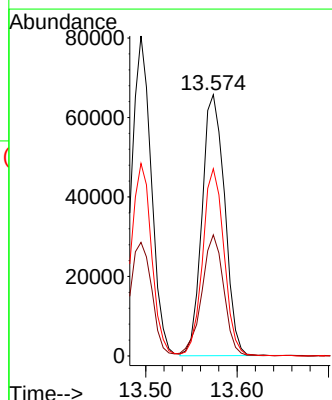
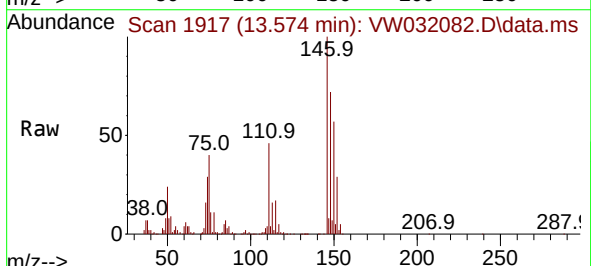
Tgt Ion:146 Resp: 112801

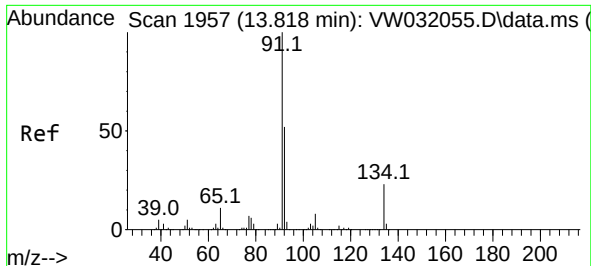
Ion Ratio Lower Upper

146 100

111 45.1 21.6 64.6

148 67.9 32.0 96.2

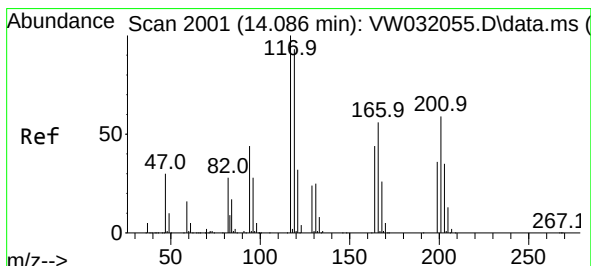
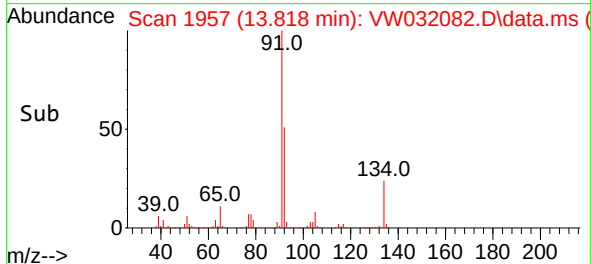
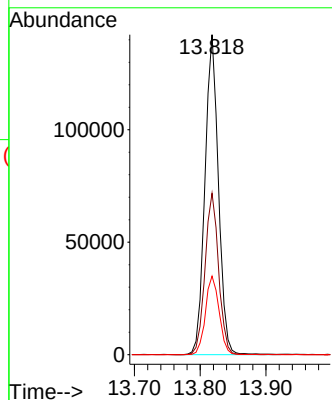
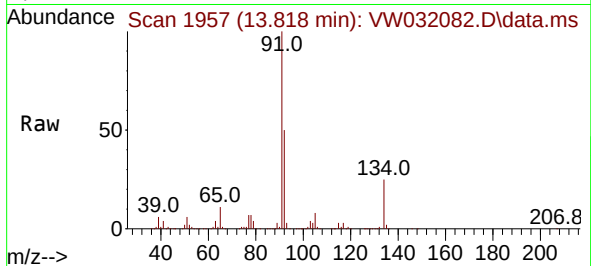




#89
n-Butylbenzene
Concen: 19.407 ug/l
RT: 13.818 min Scan# 1957
Delta R.T. -0.000 min
Lab File: VW032082.D
Acq: 14 Aug 2025 10:27

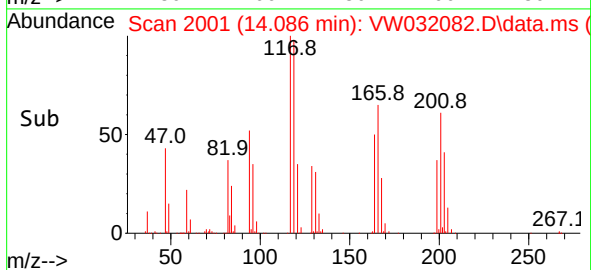
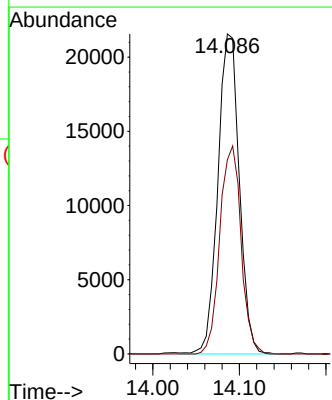
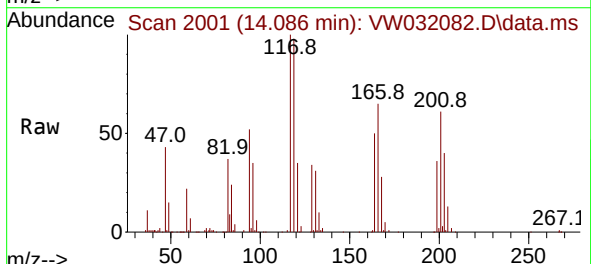
Instrument :
MSVOA_W
ClientSampleId :
VW0814SBS01

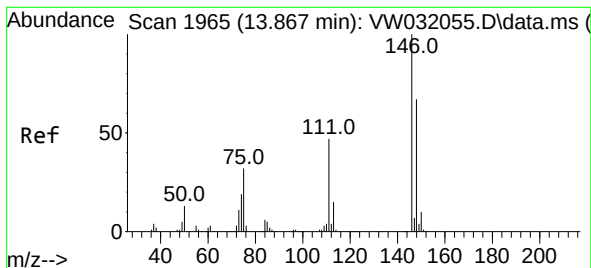
Tgt Ion: 91 Resp: 203065
Ion Ratio Lower Upper
91 100
92 50.9 26.7 80.1
134 24.9 12.0 36.1



#90
Hexachloroethane
Concen: 18.817 ug/l
RT: 14.086 min Scan# 2001
Delta R.T. -0.000 min
Lab File: VW032082.D
Acq: 14 Aug 2025 10:27

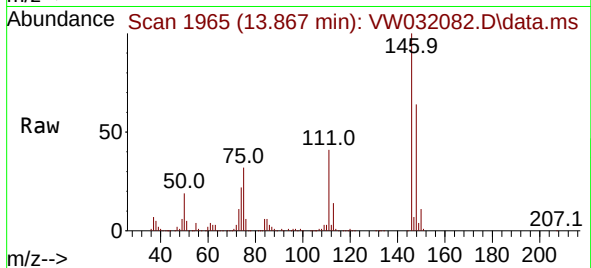
Tgt Ion: 117 Resp: 37065
Ion Ratio Lower Upper
117 100
201 64.3 30.9 92.5



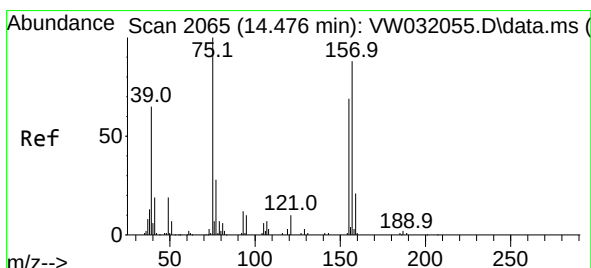
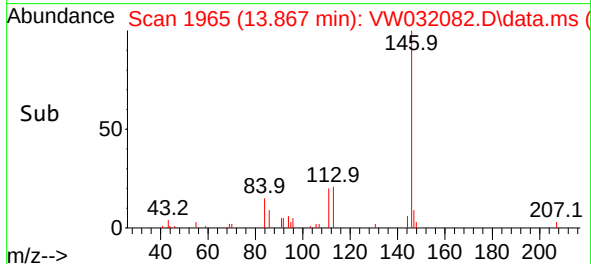
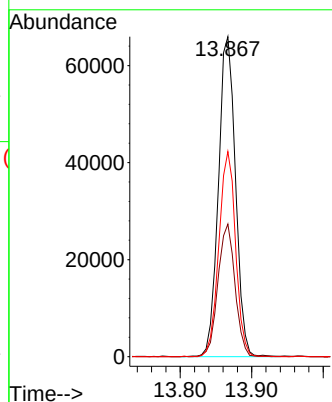


#91
1,2-Dichlorobenzene
Concen: 20.963 ug/l
RT: 13.867 min Scan# 1965
Delta R.T. -0.000 min
Lab File: VW032082.D
Acq: 14 Aug 2025 10:27

Instrument :
MSVOA_W
ClientSampleId :
VW0814SBS01

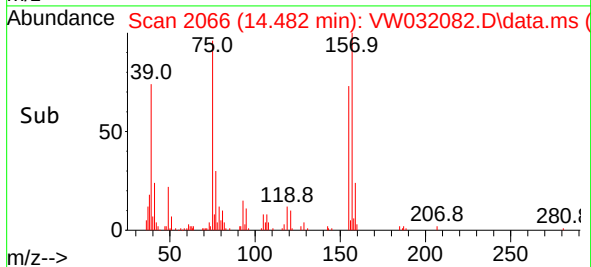
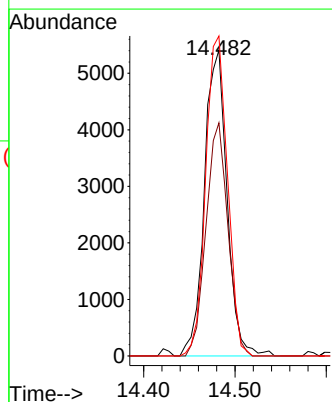
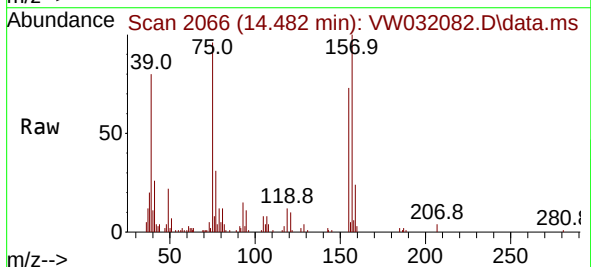


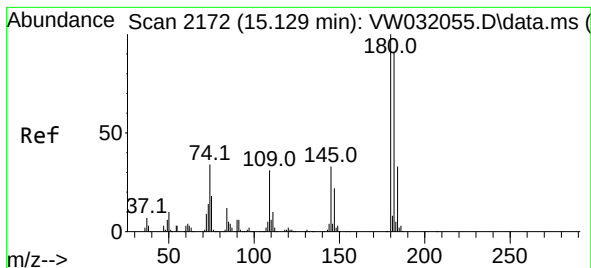
Tgt Ion:146 Resp: 109453
Ion Ratio Lower Upper
146 100
111 41.4 23.1 69.3
148 62.7 32.9 98.6



#92
1,2-Dibromo-3-Chloropropane
Concen: 18.149 ug/l
RT: 14.482 min Scan# 2066
Delta R.T. 0.006 min
Lab File: VW032082.D
Acq: 14 Aug 2025 10:27

Tgt Ion: 75 Resp: 9291
Ion Ratio Lower Upper
75 100
155 74.0 35.2 105.6
157 100.4 47.5 142.6

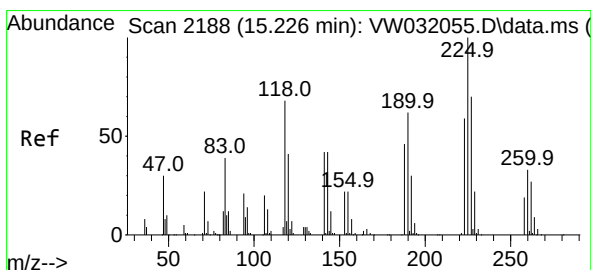
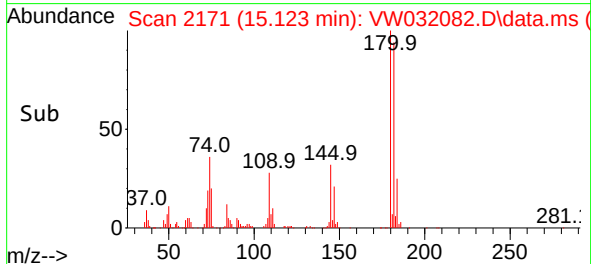
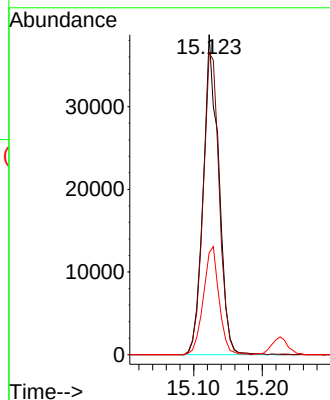
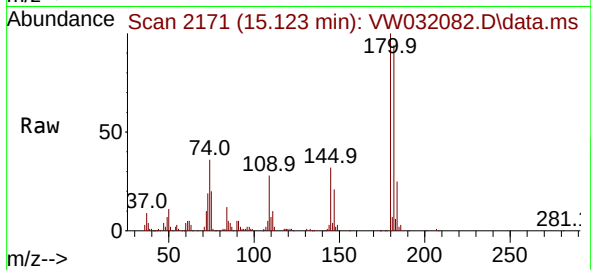




#93
1,2,4-Trichlorobenzene
Concen: 19.423 ug/l
RT: 15.123 min Scan# 2172
Delta R.T. -0.006 min
Lab File: VW032082.D
Acq: 14 Aug 2025 10:27

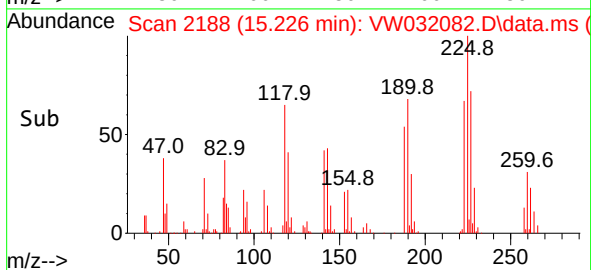
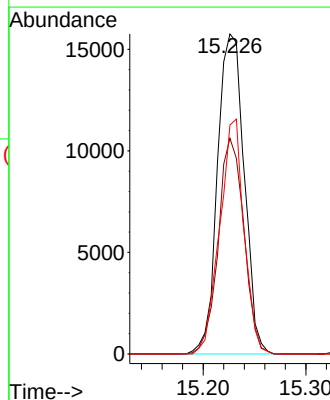
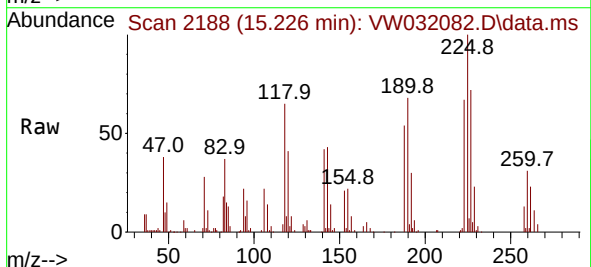
Instrument :
MSVOA_W
ClientSampleId :
VW0814SBS01

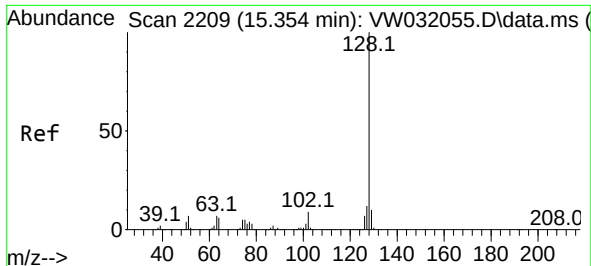
Tgt Ion:180 Resp: 60665
Ion Ratio Lower Upper
180 100
182 99.0 49.0 147.0
145 34.4 17.3 51.9



#94
Hexachlorobutadiene
Concen: 20.310 ug/l
RT: 15.226 min Scan# 2188
Delta R.T. -0.000 min
Lab File: VW032082.D
Acq: 14 Aug 2025 10:27

Tgt Ion:225 Resp: 28357
Ion Ratio Lower Upper
225 100
223 64.8 31.8 95.3
227 66.8 33.5 100.5

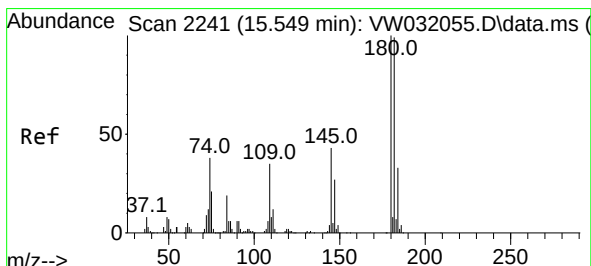
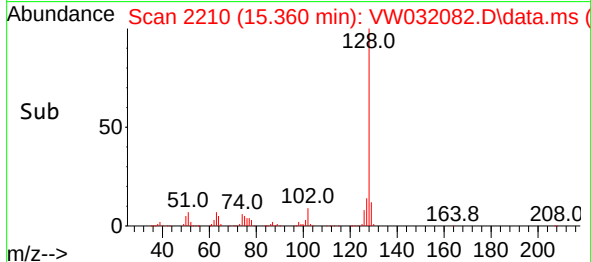
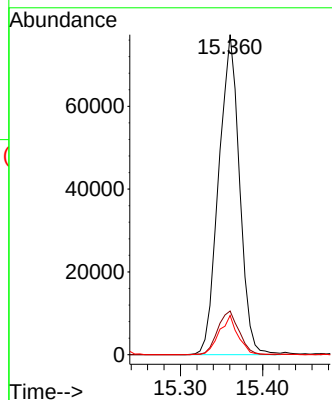
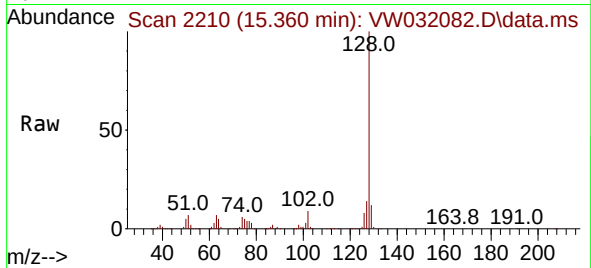




#95
Naphthalene
Concen: 17.805 ug/l
RT: 15.360 min Scan# 2210
Delta R.T. 0.006 min
Lab File: VW032082.D
Acq: 14 Aug 2025 10:27

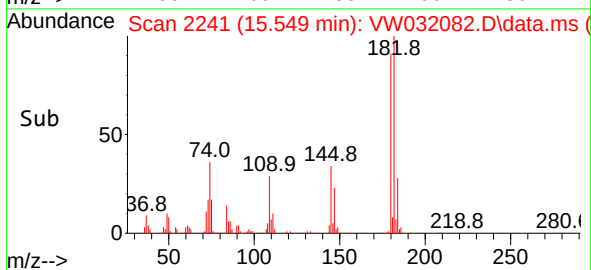
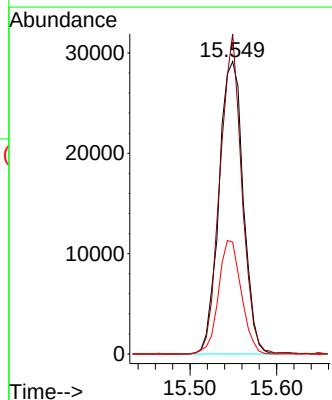
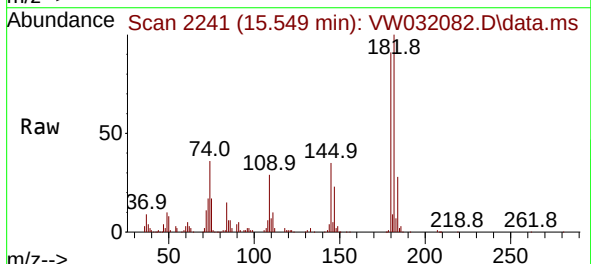
Instrument :
MSVOA_W
ClientSampleId :
VW0814SBS01

Tgt Ion:128 Resp: 136270
Ion Ratio Lower Upper
128 100
127 14.0 10.5 15.7
129 11.2 8.2 12.4



#96
1,2,3-Trichlorobenzene
Concen: 19.997 ug/l
RT: 15.549 min Scan# 2241
Delta R.T. -0.000 min
Lab File: VW032082.D
Acq: 14 Aug 2025 10:27

Tgt Ion:180 Resp: 56830
Ion Ratio Lower Upper
180 100
182 98.1 46.0 138.0
145 36.4 19.2 57.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
 Data File : VW032083.D
 Acq On : 14 Aug 2025 10:58
 Operator : SY/MD
 Sample : VW0814SBS01
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0814SBS01

Quant Time: Aug 18 03:48:20 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 12 04:04:48 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.959	168	218109	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	379951	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	343089	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.550	152	177605	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	147653	46.808	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	93.620%
35) Dibromofluoromethane	7.898	113	124076	50.548	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	101.100%
50) Toluene-d8	10.325	98	454977	50.113	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	100.220%
62) 4-Bromofluorobenzene	12.617	95	166018	49.621	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	99.240%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.040	85	33288	21.339	ug/l	95
3) Chloromethane	2.253	50	37450	17.822	ug/l	98
4) Vinyl Chloride	2.399	62	50061	19.695	ug/l	96
5) Bromomethane	2.814	94	42218	22.140	ug/l	94
6) Chloroethane	2.966	64	34212	20.341	ug/l	100
7) Trichlorofluoromethane	3.301	101	39414	19.357	ug/l	97
8) Diethyl Ether	3.716	74	31376	18.808	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.094	101	53669	22.341	ug/l	98
10) Methyl Iodide	4.307	142	67253	19.745	ug/l	98
11) Tert butyl alcohol	5.216	59	16282	79.711	ug/l	95
12) 1,1-Dichloroethene	4.076	96	55246	20.886	ug/l	94
13) Acrolein	3.929	56	22386	68.782	ug/l	99
14) Allyl chloride	4.698	41	64273	16.695	ug/l	88
15) Acrylonitrile	5.399	53	65441	82.359	ug/l	98
16) Acetone	4.155	43	86139	117.944	ug/l	98
17) Carbon Disulfide	4.423	76	123061	17.333	ug/l	98
18) Methyl Acetate	4.704	43	36534	15.808	ug/l	99
19) Methyl tert-butyl Ether	5.460	73	82841	17.775	ug/l	96
20) Methylene Chloride	4.948	84	58381	17.289	ug/l	97
21) trans-1,2-Dichloroethene	5.454	96	51769	18.442	ug/l	95
22) Diisopropyl ether	6.338	45	141639	17.452	ug/l	92
23) Vinyl Acetate	6.277	43	481360	90.338	ug/l	99
24) 1,1-Dichloroethane	6.240	63	94906	18.303	ug/l	98
25) 2-Butanone	7.191	43	95473	91.978	ug/l	95
26) 2,2-Dichloropropane	7.185	77	49013	18.841	ug/l	99
27) cis-1,2-Dichloroethene	7.185	96	61895	18.864	ug/l	94
28) Bromochloromethane	7.526	49	43111	18.270	ug/l	97
29) Tetrahydrofuran	7.551	42	56439	82.447	ug/l	99
30) Chloroform	7.691	83	105761	19.239	ug/l	97
31) Cyclohexane	7.965	56	78359	17.431	ug/l	92
32) 1,1,1-Trichloroethane	7.886	97	77562	19.425	ug/l	98
36) 1,1-Dichloropropene	8.093	75	69861	20.189	ug/l	99
37) Ethyl Acetate	7.276	43	39212	19.240	ug/l	97
38) Carbon Tetrachloride	8.075	117	71526	21.419	ug/l	97
39) Methylcyclohexane	9.343	83	81832	19.402	ug/l	98
40) Benzene	8.337	78	214937	19.983	ug/l	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
 Data File : VW032083.D
 Acq On : 14 Aug 2025 10:58
 Operator : SY/MD
 Sample : VW0814SBS01
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0814SBS01

Quant Time: Aug 18 03:48:20 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 12 04:04:48 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.502	41	21151	18.301	ug/l #	93
42) 1,2-Dichloroethane	8.410	62	70737	20.552	ug/l	100
43) Isopropyl Acetate	8.435	43	69002	18.403	ug/l	99
44) Trichloroethene	9.099	130	53394	20.845	ug/l	99
45) 1,2-Dichloropropane	9.374	63	50638	19.487	ug/l	100
46) Dibromomethane	9.465	93	34565	20.610	ug/l	99
47) Bromodichloromethane	9.648	83	79691	20.621	ug/l	100
48) Methyl methacrylate	9.441	41	32521	17.966	ug/l #	92
49) 1,4-Dioxane	9.459	88	8402	387.463	ug/l #	83
51) 4-Methyl-2-Pentanone	10.215	43	205106	96.913	ug/l	95
52) Toluene	10.386	92	137378	20.277	ug/l	98
53) t-1,3-Dichloropropene	10.605	75	69323	19.147	ug/l	98
54) cis-1,3-Dichloropropene	10.075	75	79480	19.350	ug/l	92
55) 1,1,2-Trichloroethane	10.788	97	44575	20.001	ug/l	93
56) Ethyl methacrylate	10.648	69	53600	17.973	ug/l #	92
57) 1,3-Dichloropropane	10.934	76	73958	19.038	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.928	63	147647	89.504	ug/l	99
59) 2-Hexanone	10.971	43	142726	97.375	ug/l	96
60) Dibromochloromethane	11.129	129	53091	20.855	ug/l	99
61) 1,2-Dibromoethane	11.233	107	43311	19.998	ug/l	98
64) Tetrachloroethene	10.861	164	43709	22.056	ug/l	97
65) Chlorobenzene	11.654	112	155926	20.880	ug/l	92
66) 1,1,1,2-Tetrachloroethane	11.727	131	49815	21.380	ug/l	97
67) Ethyl Benzene	11.727	91	256167	20.251	ug/l	93
68) m/p-Xylenes	11.837	106	207846	42.582	ug/l	97
69) o-Xylene	12.160	106	95460	21.160	ug/l	93
70) Styrene	12.178	104	163976	20.463	ug/l	99
71) Bromoform	12.349	173	28712	21.543	ug/l #	100
73) Isopropylbenzene	12.458	105	238599	19.223	ug/l	99
74) N-amyl acetate	12.269	43	63466	17.822	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.714	83	55872	18.959	ug/l	98
76) 1,2,3-Trichloropropane	12.763	75	67951	28.190	ug/l	57
77) Bromobenzene	12.745	156	60209	20.310	ug/l	89
78) n-propylbenzene	12.800	91	302042	19.766	ug/l	99
79) 2-Chlorotoluene	12.885	91	177356	18.805	ug/l	98
80) 1,3,5-Trimethylbenzene	12.940	105	205070	19.461	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.507	75	14854	15.953	ug/l	88
82) 4-Chlorotoluene	12.983	91	187599	18.722	ug/l	96
83) tert-Butylbenzene	13.202	119	170175	19.459	ug/l	98
84) 1,2,4-Trimethylbenzene	13.245	105	212657	19.825	ug/l	99
85) sec-Butylbenzene	13.379	105	258452	19.547	ug/l	98
86) p-Isopropyltoluene	13.495	119	220215	19.978	ug/l	98
87) 1,3-Dichlorobenzene	13.495	146	125068	21.202	ug/l	97
88) 1,4-Dichlorobenzene	13.574	146	119783	20.094	ug/l	99
89) n-Butylbenzene	13.818	91	207148	19.344	ug/l	99
90) Hexachloroethane	14.086	117	39591	19.640	ug/l	99
91) 1,2-Dichlorobenzene	13.867	146	108294	20.266	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.476	75	9069	17.310	ug/l	94
93) 1,2,4-Trichlorobenzene	15.129	180	66171	20.701	ug/l	94
94) Hexachlorobutadiene	15.226	225	30219	21.148	ug/l	96
95) Naphthalene	15.360	128	146617	18.719	ug/l	99
96) 1,2,3-Trichlorobenzene	15.549	180	59840	20.574	ug/l	96

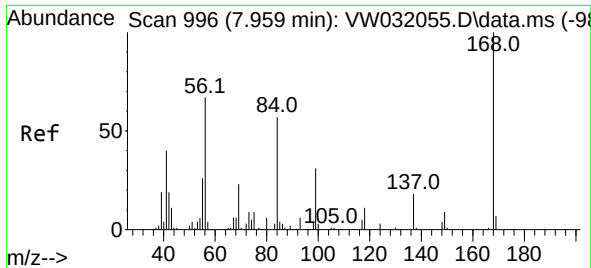
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Acq On : 14 Aug 2025 10:58
Operator : SY/MD
Sample : VW0814SBSD01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0814SBSD01

Quant Time: Aug 18 03:48:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 12 04:04:48 2025
Response via : Initial Calibration

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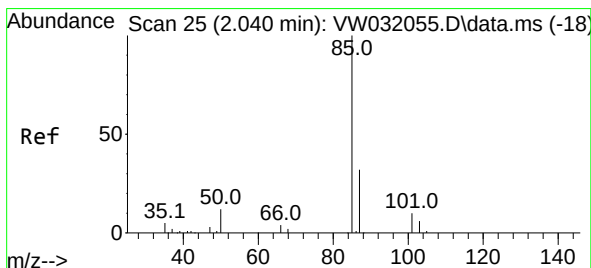
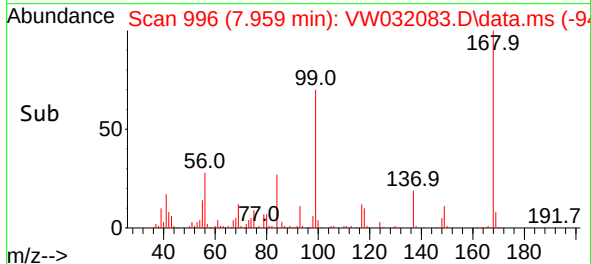
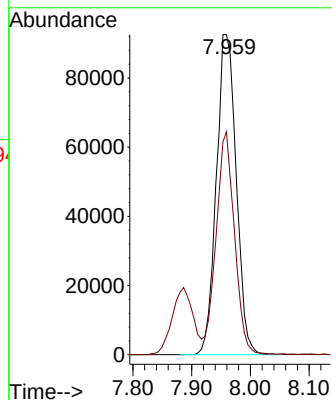
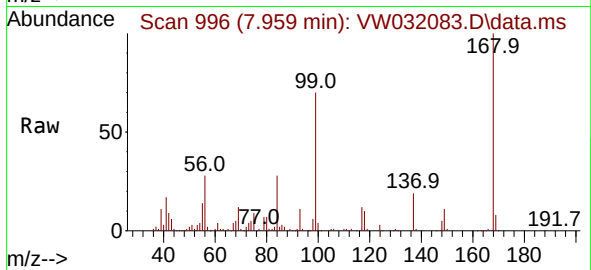
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 996
Delta R.T. 0.000 min
Lab File: VW032083.D
Acq: 14 Aug 2025 10:58

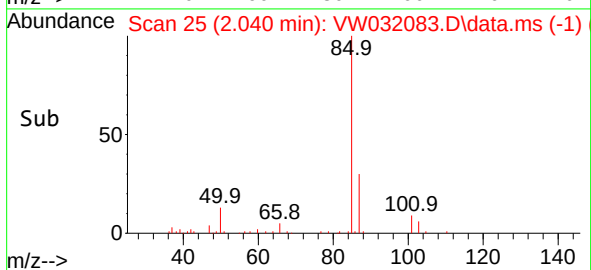
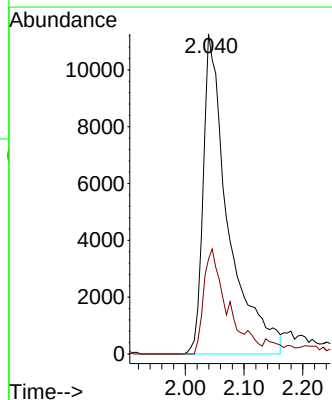
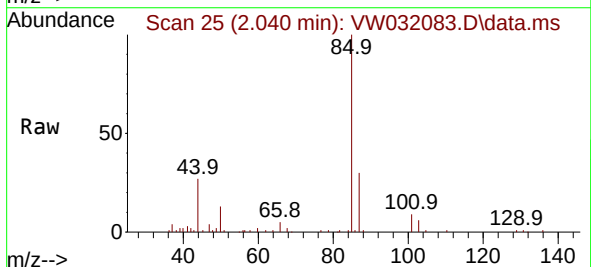
Instrument :
MSVOA_W
ClientSampleId :
VW0814SBSD01

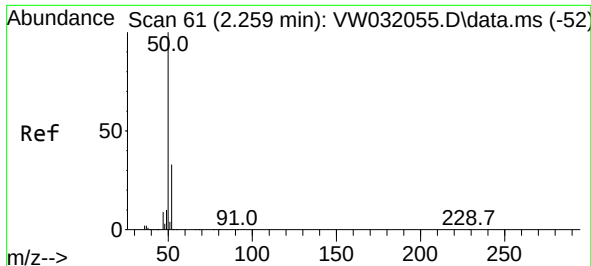
Tgt Ion:168 Resp: 218109
Ion Ratio Lower Upper
168 100
99 69.4 56.0 84.0



#2
Dichlorodifluoromethane
Concen: 21.339 ug/l
RT: 2.040 min Scan# 25
Delta R.T. -0.000 min
Lab File: VW032083.D
Acq: 14 Aug 2025 10:58

Tgt Ion: 85 Resp: 33288
Ion Ratio Lower Upper
85 100
87 29.6 16.2 48.6

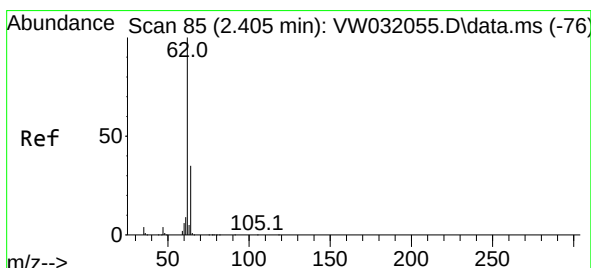
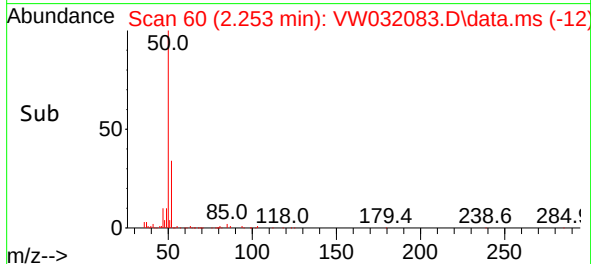
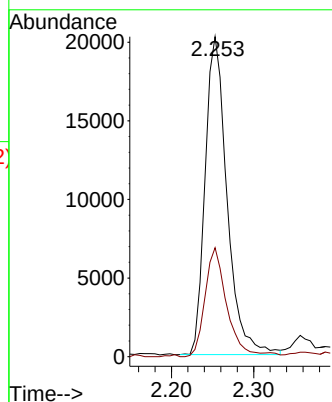
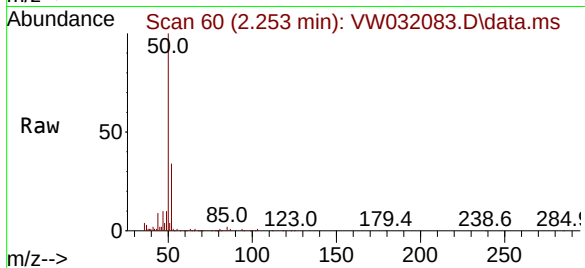




#3
Chloromethane
Concen: 17.822 ug/l
RT: 2.253 min Scan# 60
Delta R.T. -0.006 min
Lab File: VW032083.D
Acq: 14 Aug 2025 10:58

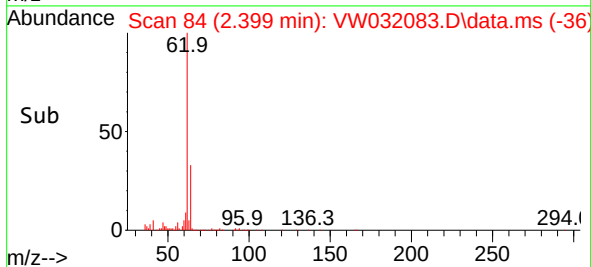
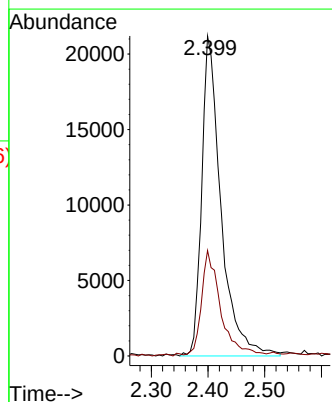
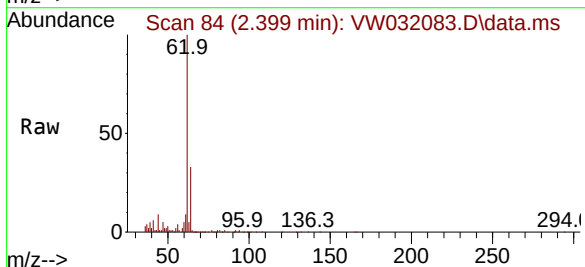
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ClientSampleId :
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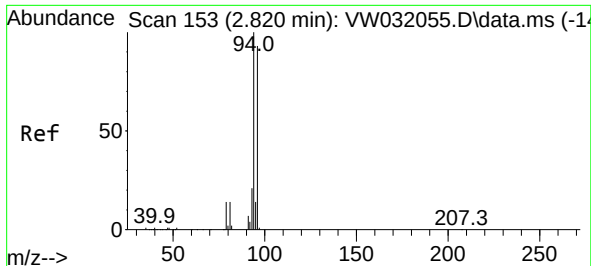
Tgt Ion: 50 Resp: 37450
Ion Ratio Lower Upper
50 100
52 34.3 26.6 39.8



#4
Vinyl Chloride
Concen: 19.695 ug/l
RT: 2.399 min Scan# 84
Delta R.T. -0.006 min
Lab File: VW032083.D
Acq: 14 Aug 2025 10:58

Tgt Ion: 62 Resp: 50061
Ion Ratio Lower Upper
62 100
64 32.3 27.8 41.6

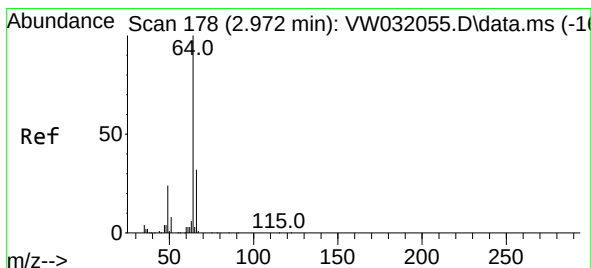
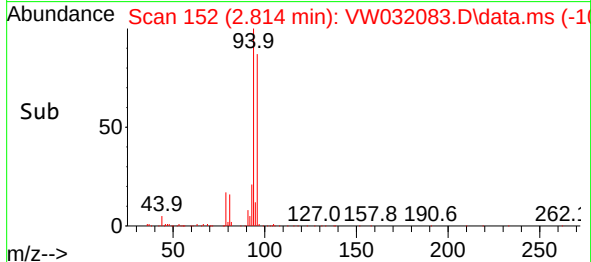
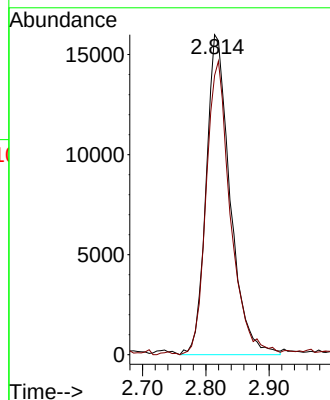
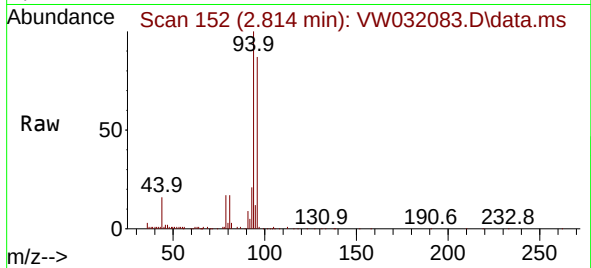




#5
Bromomethane
Concen: 22.140 ug/l
RT: 2.814 min Scan# 11
Delta R.T. -0.006 min
Lab File: VW032083.D
Acq: 14 Aug 2025 10:58

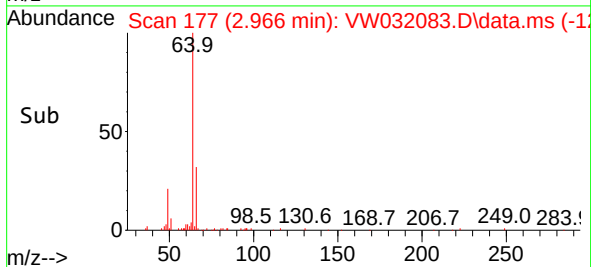
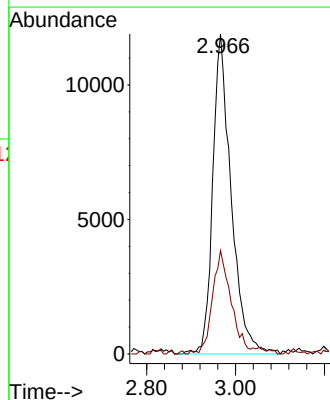
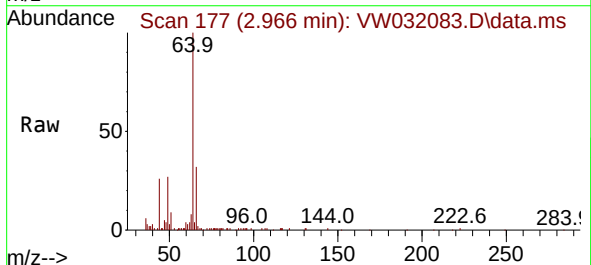
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ClientSampleId :
VW0814SBSD01

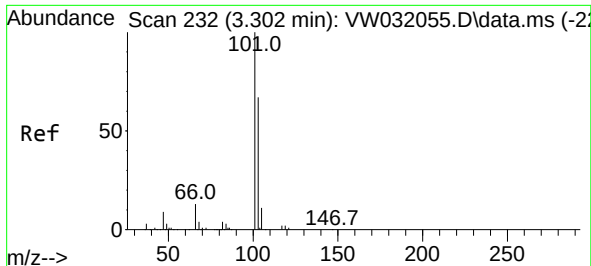
Tgt Ion: 94 Resp: 42218
Ion Ratio Lower Upper
94 100
96 87.3 74.7 112.1



#6
Chloroethane
Concen: 20.341 ug/l
RT: 2.966 min Scan# 177
Delta R.T. -0.006 min
Lab File: VW032083.D
Acq: 14 Aug 2025 10:58

Tgt Ion: 64 Resp: 34212
Ion Ratio Lower Upper
64 100
66 32.2 26.0 39.0

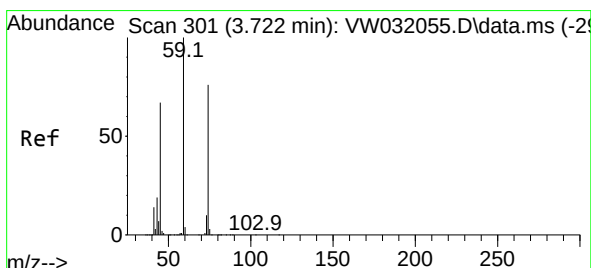
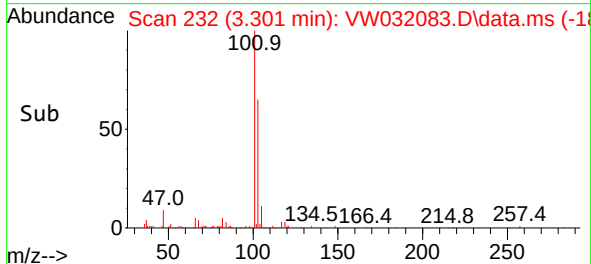
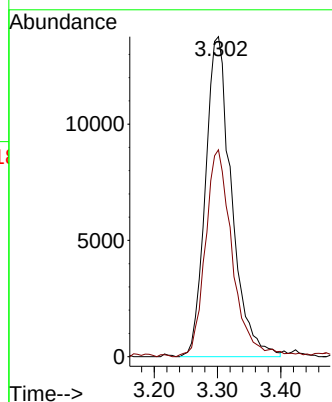
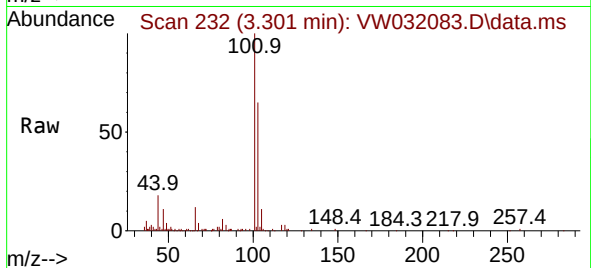




#7
 Trichlorofluoromethane
 Concen: 19.357 ug/l
 RT: 3.301 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VW032083.D
 Acq: 14 Aug 2025 10:58

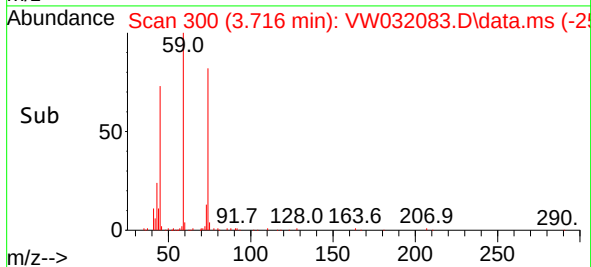
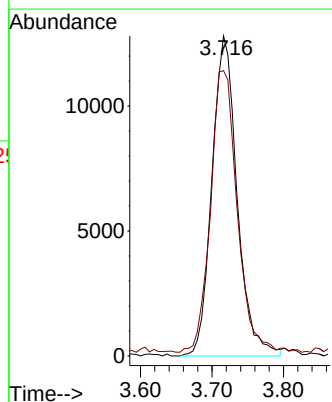
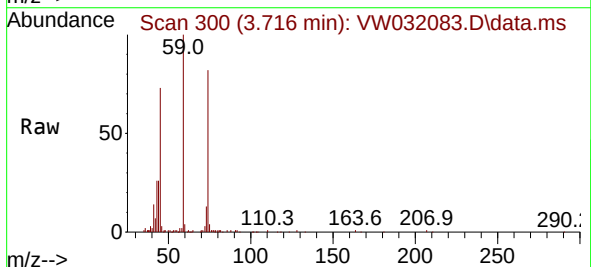
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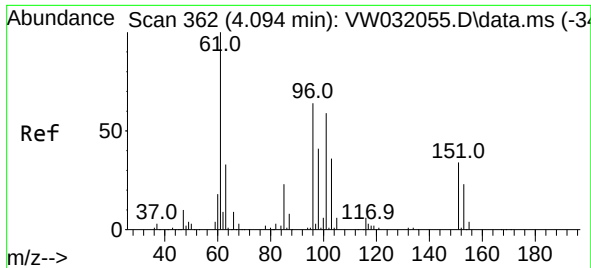
Tgt Ion:101 Resp: 39414
 Ion Ratio Lower Upper
 101 100
 103 64.0 53.4 80.0



#8
 Diethyl Ether
 Concen: 18.808 ug/l
 RT: 3.716 min Scan# 300
 Delta R.T. -0.006 min
 Lab File: VW032083.D
 Acq: 14 Aug 2025 10:58

Tgt Ion: 74 Resp: 31376
 Ion Ratio Lower Upper
 74 100
 45 93.2 45.4 136.2

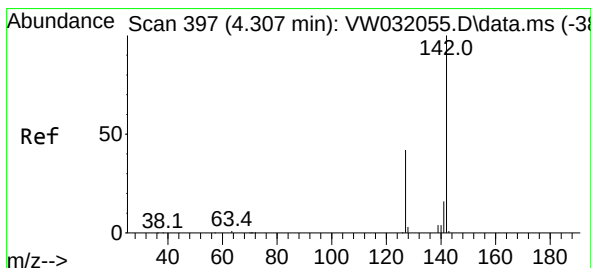
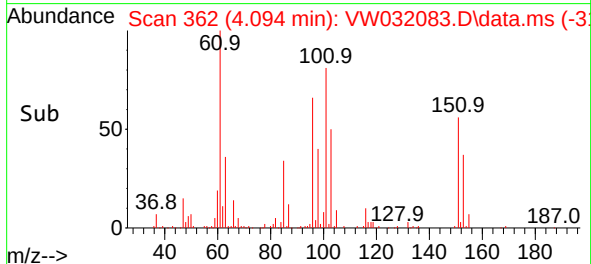
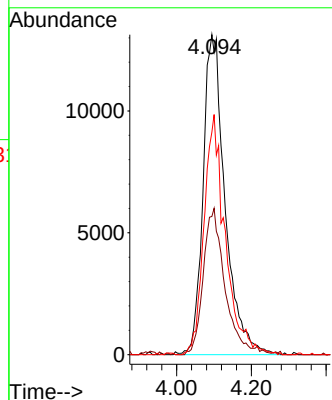
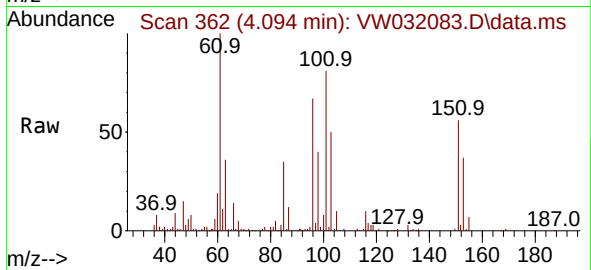




#9
1,1,2-Trichlorotrifluoroethane
Concen: 22.341 ug/l
RT: 4.094 min Scan# 362
Delta R.T. -0.000 min
Lab File: VW032083.D
Acq: 14 Aug 2025 10:58

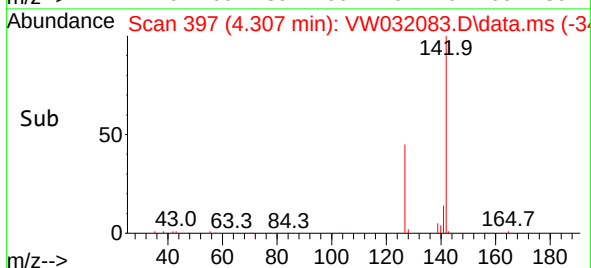
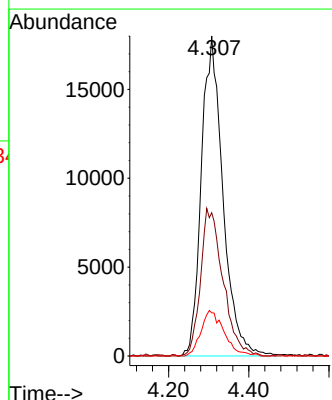
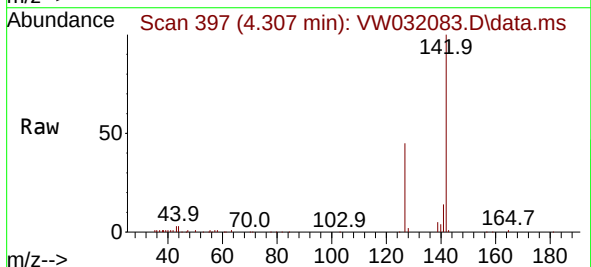
Instrument :
MSVOA_W
ClientSampleId :
VW0814SBSD01

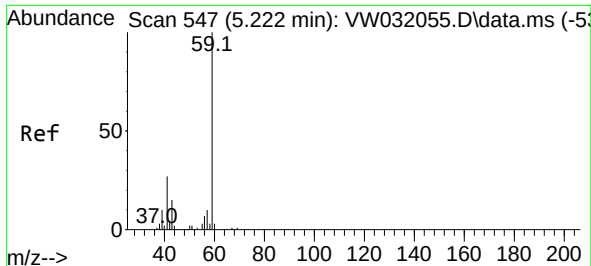
Tgt Ion:101 Resp: 53669
Ion Ratio Lower Upper
101 100
85 44.5 34.9 52.3
151 72.8 56.2 84.4



#10
Methyl Iodide
Concen: 19.745 ug/l
RT: 4.307 min Scan# 397
Delta R.T. -0.000 min
Lab File: VW032083.D
Acq: 14 Aug 2025 10:58

Tgt Ion:142 Resp: 67253
Ion Ratio Lower Upper
142 100
127 47.8 36.6 55.0
141 15.1 12.1 18.1

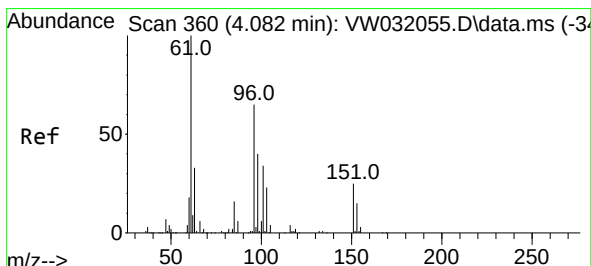
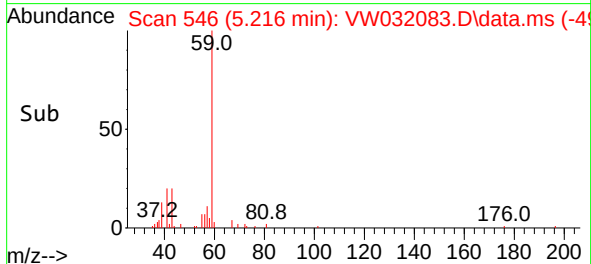
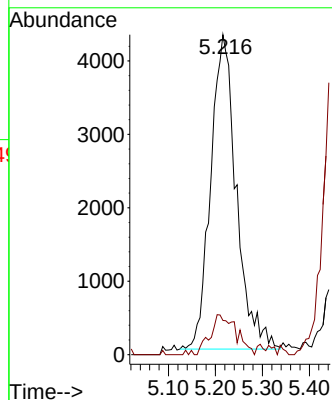
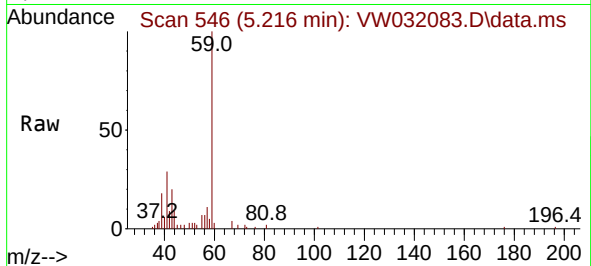




#11
Tert butyl alcohol
Concen: 79.711 ug/l
RT: 5.216 min Scan# 54
Delta R.T. -0.006 min
Lab File: VW032083.D
Acq: 14 Aug 2025 10:58

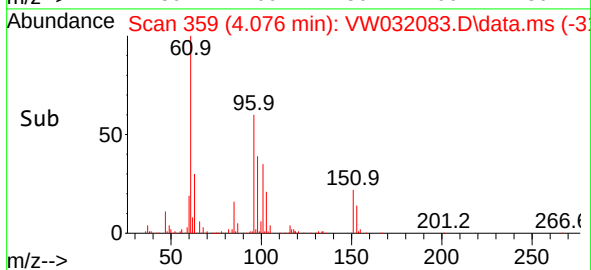
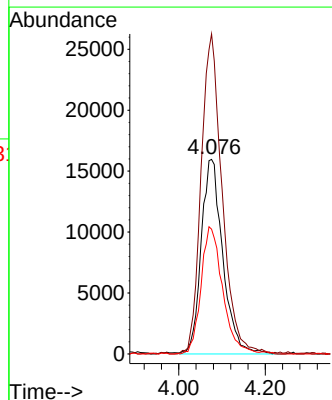
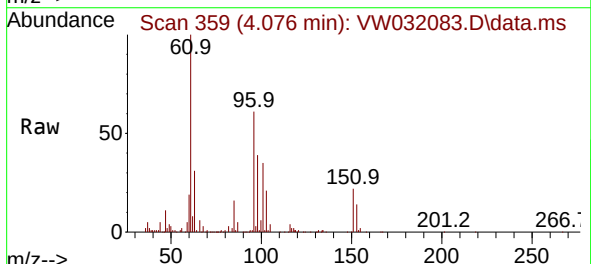
Instrument :
MSVOA_W
ClientSampleId :
VW0814SBS01

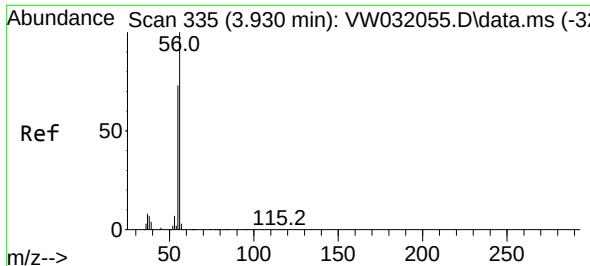
Tgt Ion: 59 Resp: 16282
Ion Ratio Lower Upper
59 100
57 12.8 8.7 13.1



#12
1,1-Dichloroethene
Concen: 20.886 ug/l
RT: 4.076 min Scan# 359
Delta R.T. -0.006 min
Lab File: VW032083.D
Acq: 14 Aug 2025 10:58

Tgt Ion: 96 Resp: 55246
Ion Ratio Lower Upper
96 100
61 163.8 123.4 185.2
98 64.1 49.5 74.3

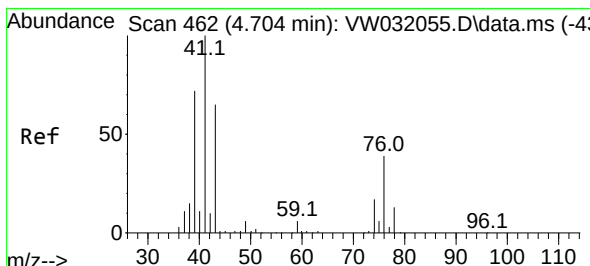
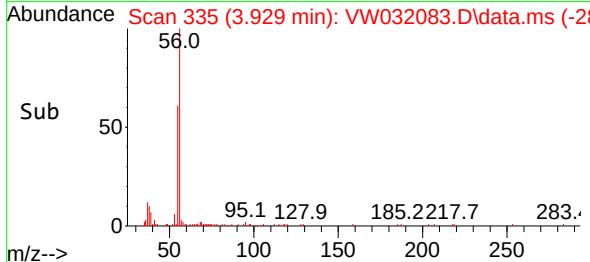
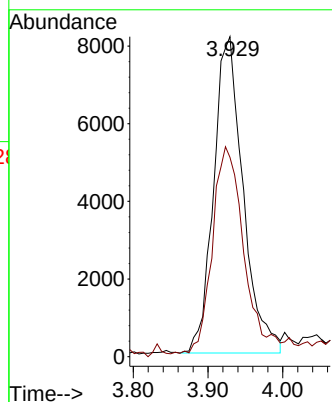
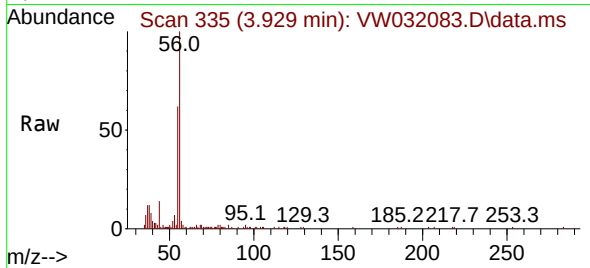




#13
Acrolein
Concen: 68.782 ug/l
RT: 3.929 min Scan# 31
Delta R.T. -0.000 min
Lab File: VW032083.D
Acq: 14 Aug 2025 10:58

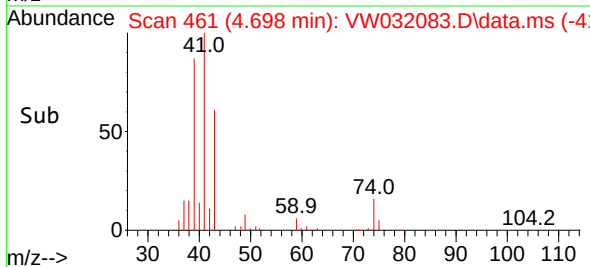
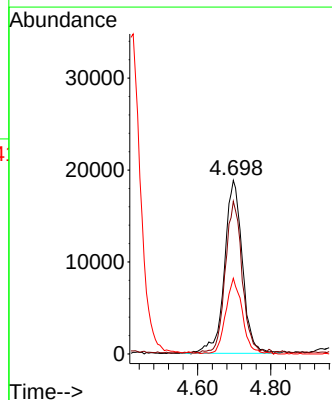
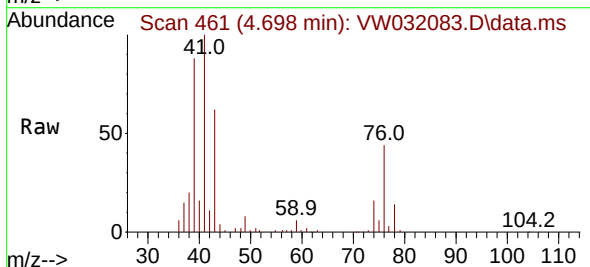
Instrument :
MSVOA_W
ClientSampleId :
VW0814SBSD01

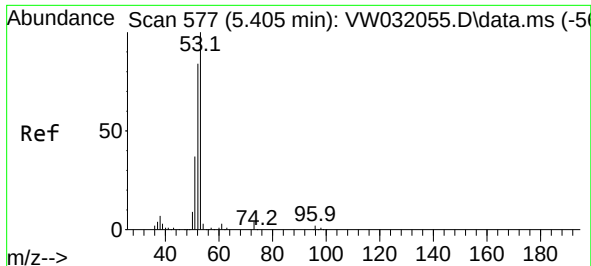
Tgt Ion: 56 Resp: 22386
Ion Ratio Lower Upper
56 100
55 70.0 55.4 83.2



#14
Allyl chloride
Concen: 16.695 ug/l
RT: 4.698 min Scan# 461
Delta R.T. -0.006 min
Lab File: VW032083.D
Acq: 14 Aug 2025 10:58

Tgt Ion: 41 Resp: 64273
Ion Ratio Lower Upper
41 100
39 81.2 54.5 81.7
76 39.4 29.3 43.9

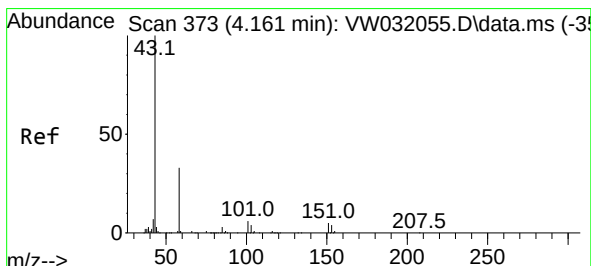
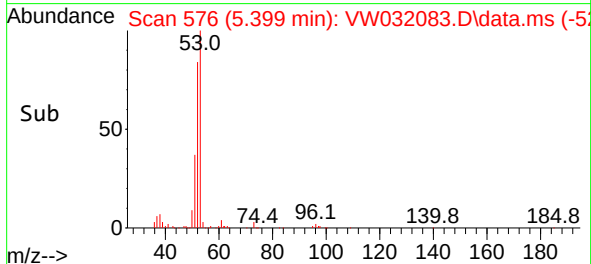
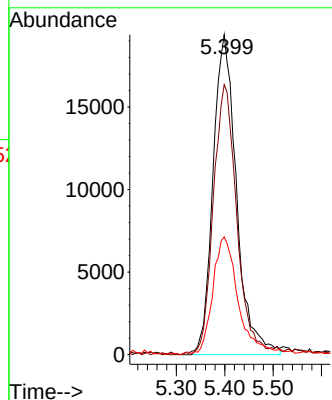
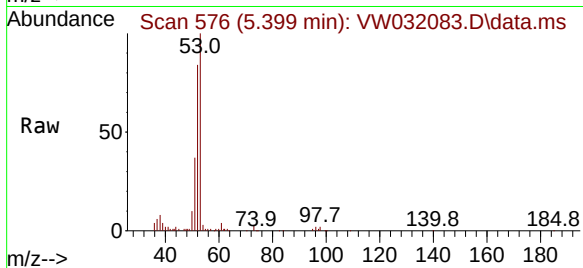




#15
Acrylonitrile
Concen: 82.359 ug/l
RT: 5.399 min Scan# 51
Delta R.T. -0.006 min
Lab File: VW032083.D
Acq: 14 Aug 2025 10:58

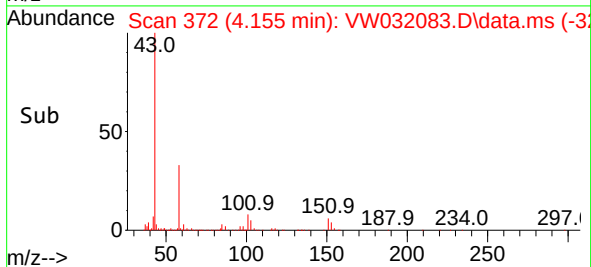
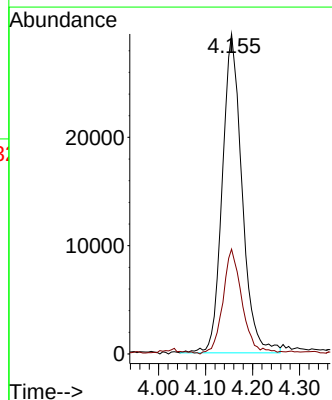
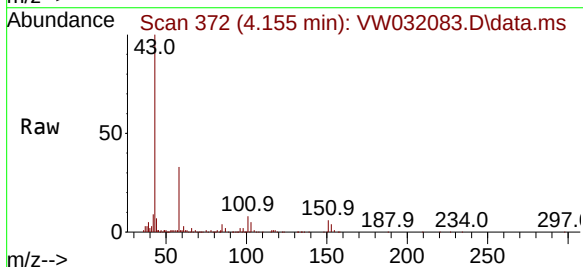
Instrument :
MSVOA_W
ClientSampleId :
VW0814SBSD01

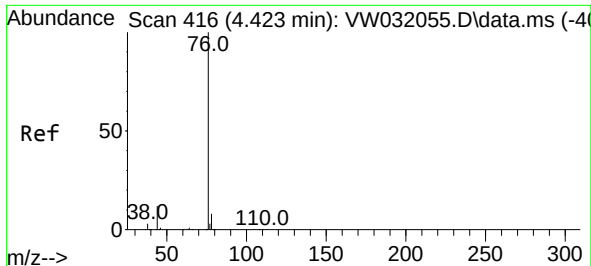
Tgt Ion: 53 Resp: 65441
Ion Ratio Lower Upper
53 100
52 83.4 66.1 99.1
51 38.8 29.2 43.8



#16
Acetone
Concen: 117.944 ug/l
RT: 4.155 min Scan# 372
Delta R.T. -0.006 min
Lab File: VW032083.D
Acq: 14 Aug 2025 10:58

Tgt Ion: 43 Resp: 86139
Ion Ratio Lower Upper
43 100
58 32.0 26.6 39.8

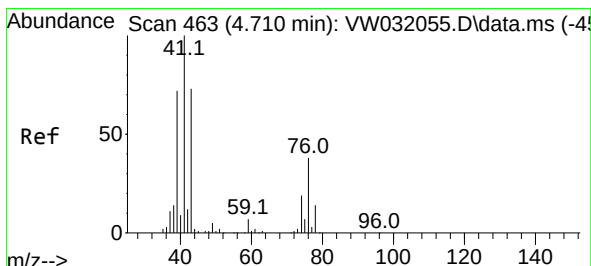
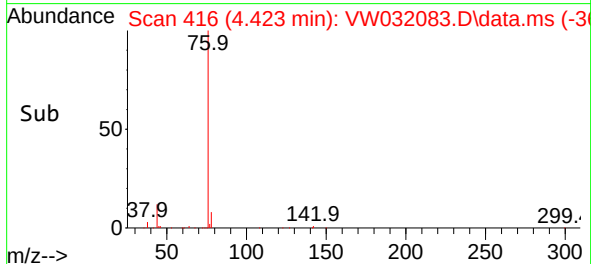
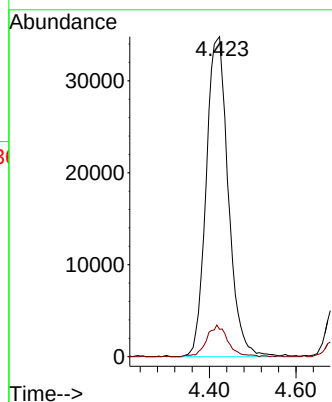
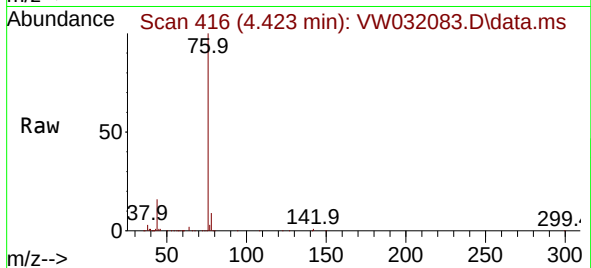




#17
Carbon Disulfide
Concen: 17.333 ug/l
RT: 4.423 min Scan# 416
Delta R.T. -0.000 min
Lab File: VW032083.D
Acq: 14 Aug 2025 10:58

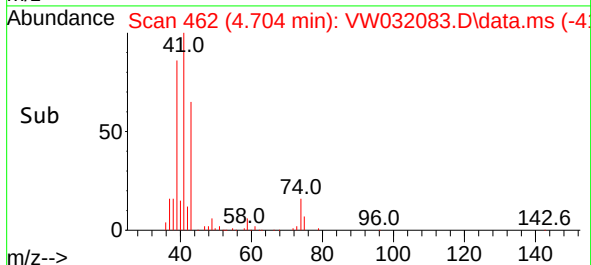
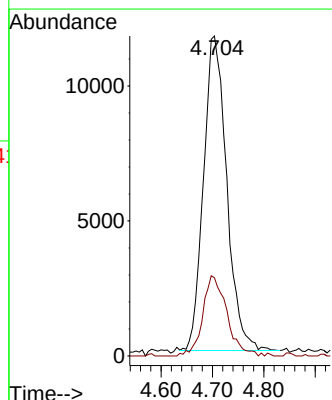
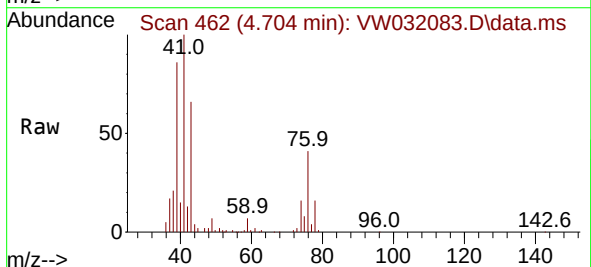
Instrument :
MSVOA_W
ClientSampleId :
VW0814SBSD01

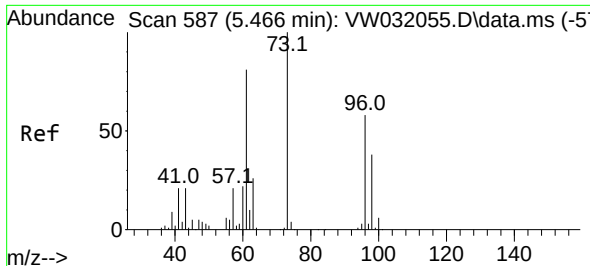
Tgt Ion: 76 Resp: 123061
Ion Ratio Lower Upper
76 100
78 8.6 6.4 9.6



#18
Methyl Acetate
Concen: 15.808 ug/l
RT: 4.704 min Scan# 462
Delta R.T. -0.006 min
Lab File: VW032083.D
Acq: 14 Aug 2025 10:58

Tgt Ion: 43 Resp: 36534
Ion Ratio Lower Upper
43 100
74 26.5 20.6 31.0

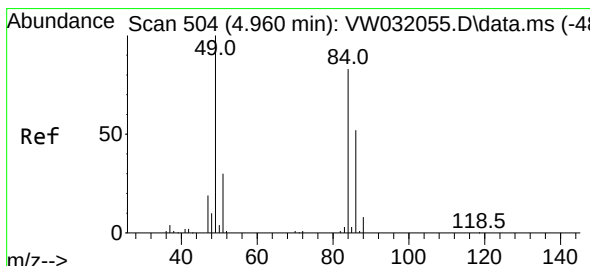
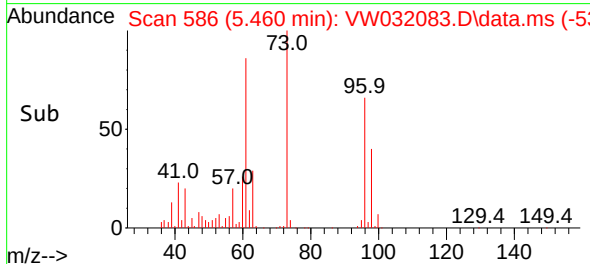
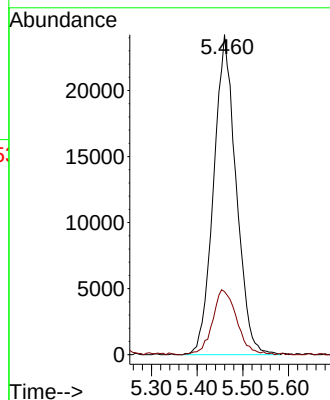
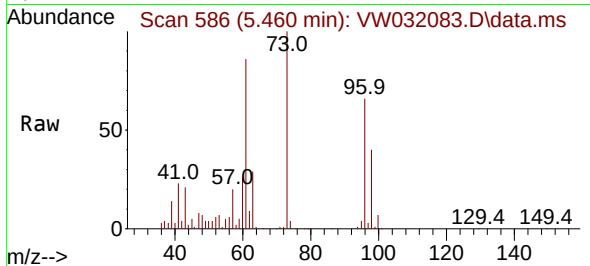




#19
Methyl tert-butyl Ether
Concen: 17.775 ug/l
RT: 5.460 min Scan# 51
Delta R.T. -0.006 min
Lab File: VW032083.D
Acq: 14 Aug 2025 10:58

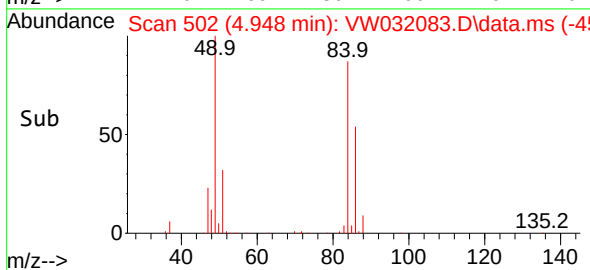
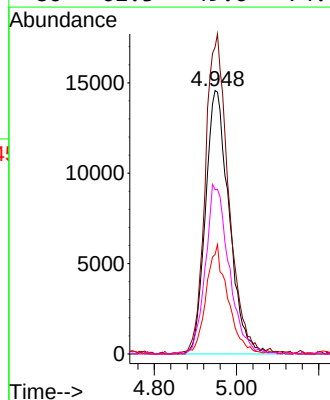
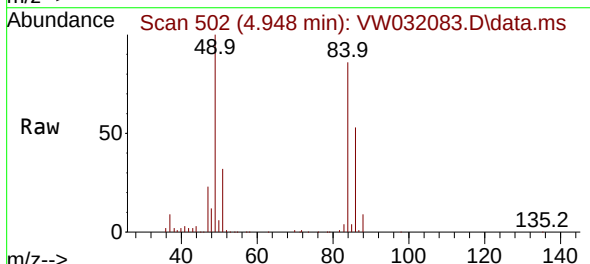
Instrument :
MSVOA_W
ClientSampleId :
VW0814SBS01

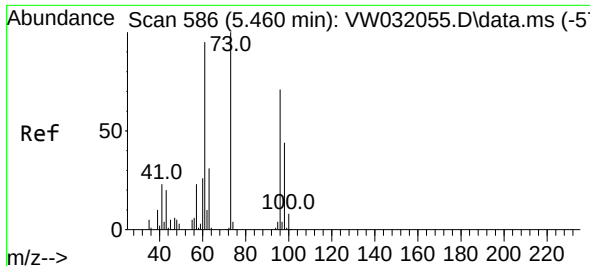
Tgt Ion: 73 Resp: 82841
Ion Ratio Lower Upper
73 100
57 19.7 17.2 25.8



#20
Methylene Chloride
Concen: 17.289 ug/l
RT: 4.948 min Scan# 502
Delta R.T. -0.012 min
Lab File: VW032083.D
Acq: 14 Aug 2025 10:58

Tgt Ion: 84 Resp: 58381
Ion Ratio Lower Upper
84 100
49 116.0 95.9 143.9
51 37.4 28.6 43.0
86 62.3 49.6 74.4

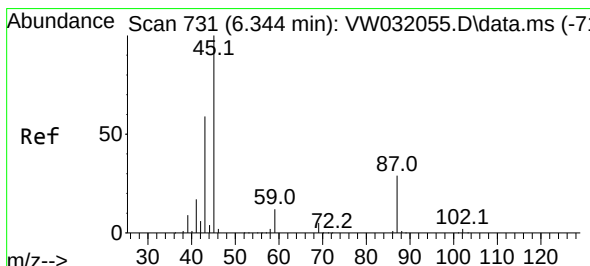
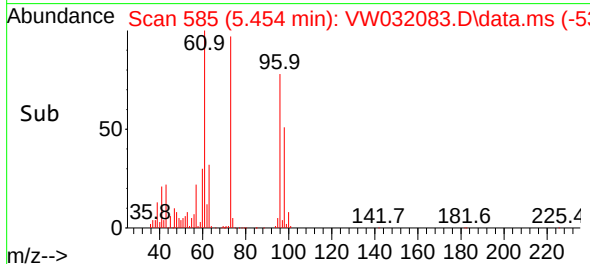
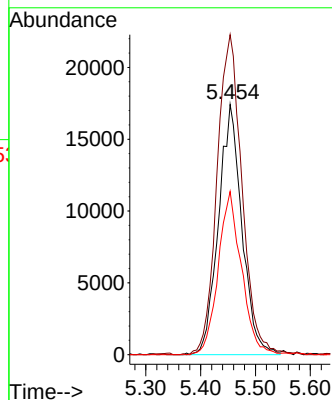
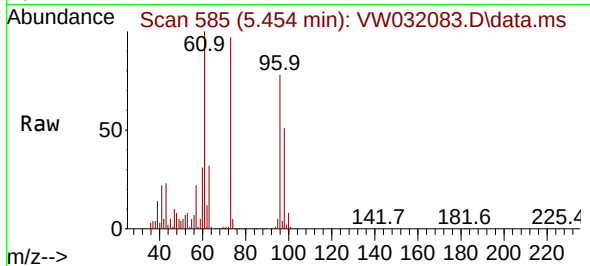




#21
trans-1,2-Dichloroethene
Concen: 18.442 ug/l
RT: 5.454 min Scan# 517
Delta R.T. -0.006 min
Lab File: VW032083.D
Acq: 14 Aug 2025 10:58

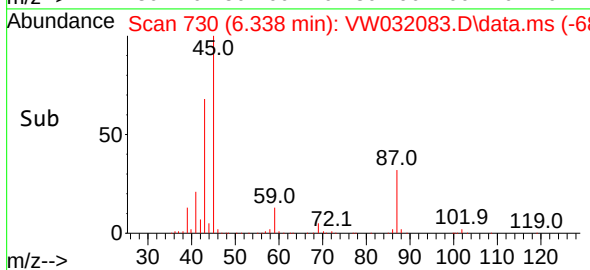
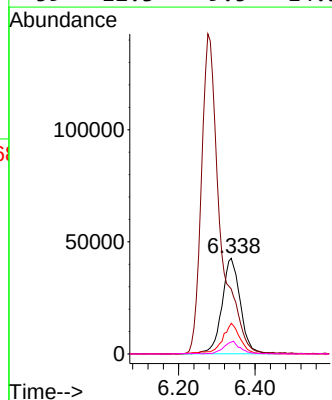
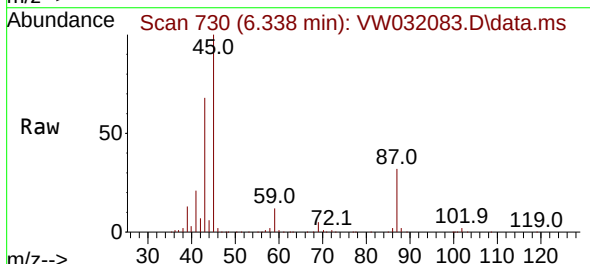
Instrument :
MSVOA_W
ClientSampleId :
VW0814SBSD01

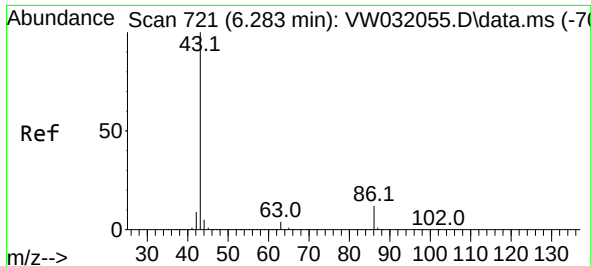
Tgt Ion: 96 Resp: 51769
Ion Ratio Lower Upper
96 100
61 127.9 106.8 160.2
98 65.2 49.6 74.4



#22
Diisopropyl ether
Concen: 17.452 ug/l
RT: 6.338 min Scan# 730
Delta R.T. -0.006 min
Lab File: VW032083.D
Acq: 14 Aug 2025 10:58

Tgt Ion: 45 Resp: 141639
Ion Ratio Lower Upper
45 100
43 67.7 47.0 70.4
87 31.9 23.8 35.8
59 12.3 9.5 14.3

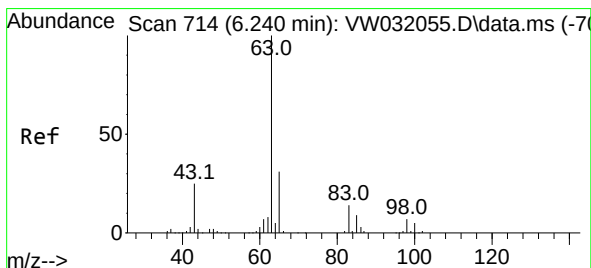
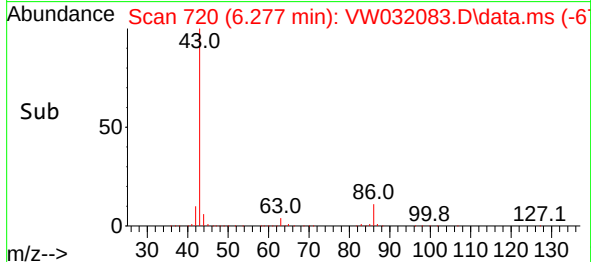
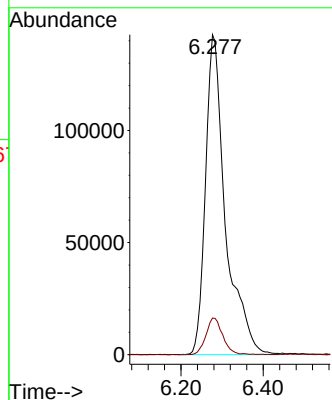
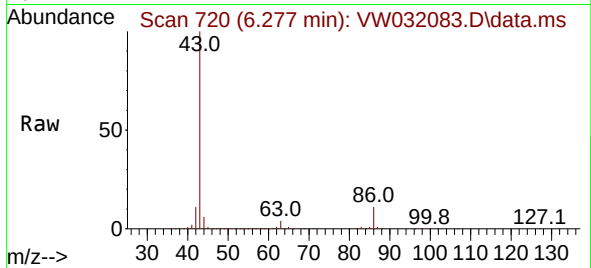




#23
 Vinyl Acetate
 Concen: 90.338 ug/l
 RT: 6.277 min Scan# 714
 Delta R.T. -0.006 min
 Lab File: VW032083.D
 Acq: 14 Aug 2025 10:58

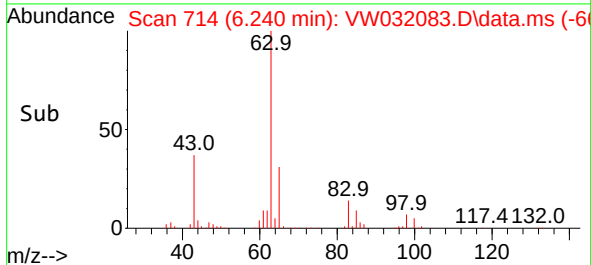
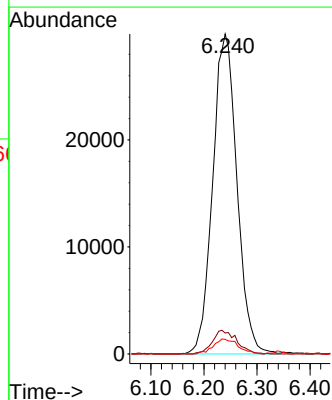
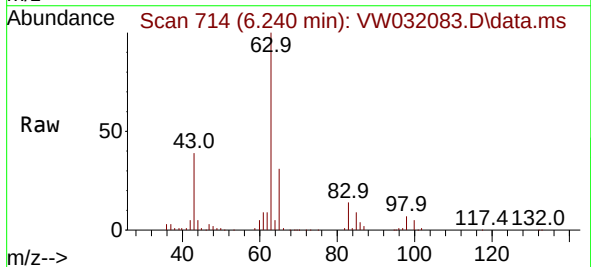
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0814SBS01

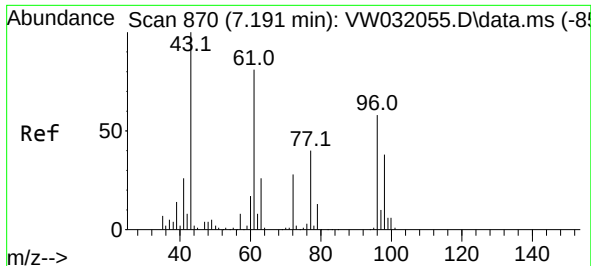
Tgt Ion: 43 Resp: 481360
 Ion Ratio Lower Upper
 43 100
 86 11.4 9.4 14.0



#24
 1,1-Dichloroethane
 Concen: 18.303 ug/l
 RT: 6.240 min Scan# 714
 Delta R.T. -0.000 min
 Lab File: VW032083.D
 Acq: 14 Aug 2025 10:58

Tgt Ion: 63 Resp: 94906
 Ion Ratio Lower Upper
 63 100
 98 6.6 3.7 11.1
 100 4.6 2.5 7.4

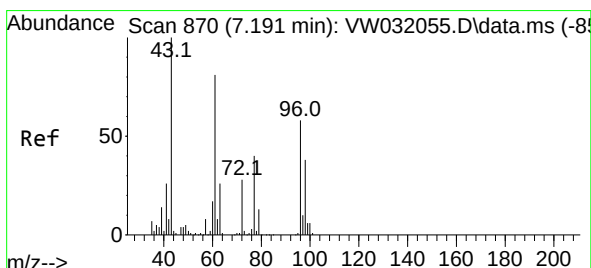
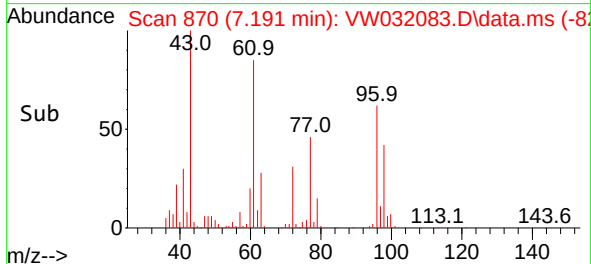
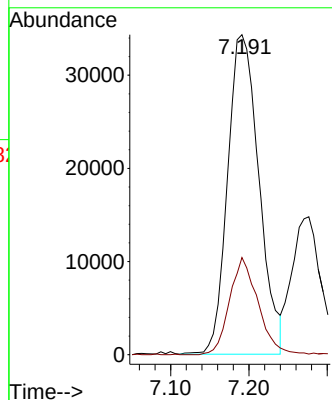
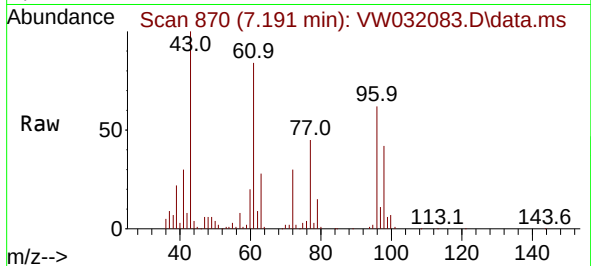




#25
2-Butanone
Concen: 91.978 ug/l
RT: 7.191 min Scan# 81
Delta R.T. -0.000 min
Lab File: VW032083.D
Acq: 14 Aug 2025 10:58

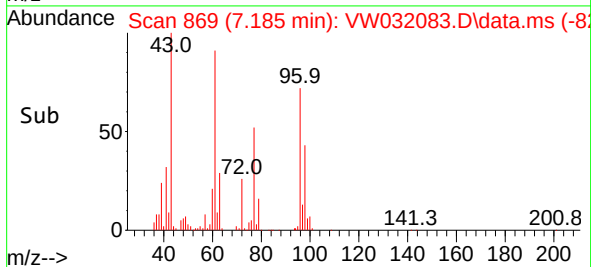
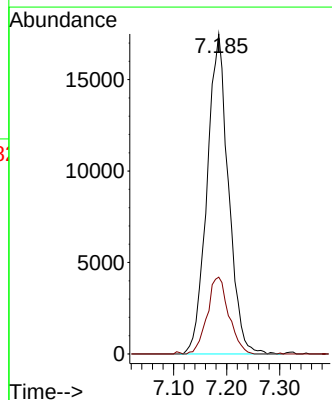
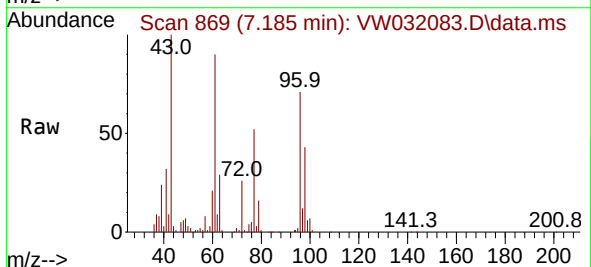
Instrument :
MSVOA_W
ClientSampleId :
VW0814SBS01

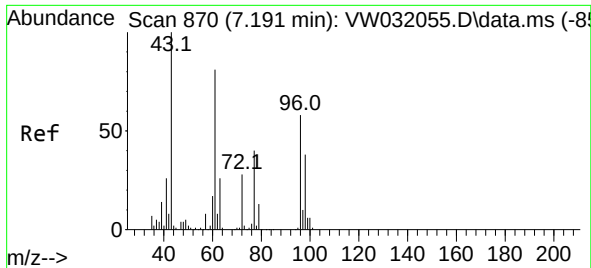
Tgt Ion: 43 Resp: 95473
Ion Ratio Lower Upper
43 100
72 30.4 22.3 33.5



#26
2,2-Dichloropropane
Concen: 18.841 ug/l
RT: 7.185 min Scan# 869
Delta R.T. -0.006 min
Lab File: VW032083.D
Acq: 14 Aug 2025 10:58

Tgt Ion: 77 Resp: 49013
Ion Ratio Lower Upper
77 100
97 24.2 12.3 36.9

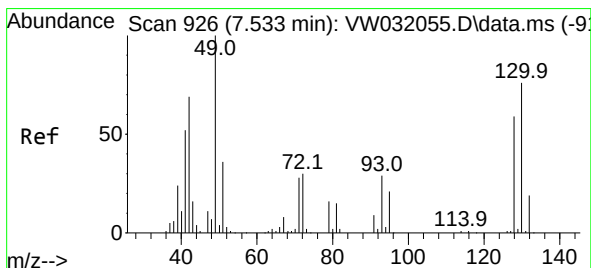
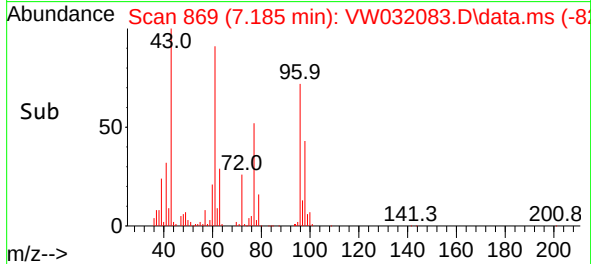
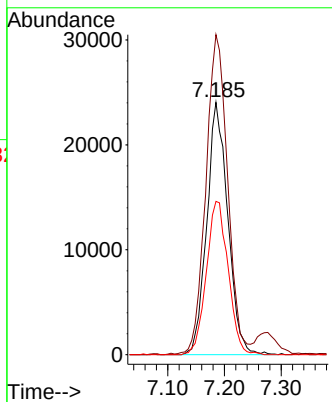
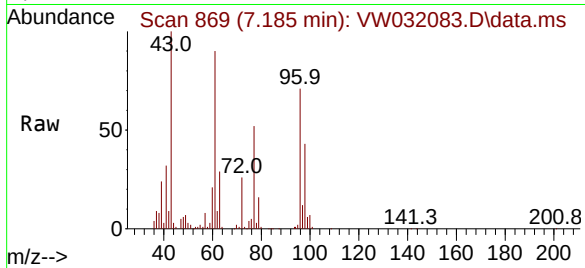




#27
cis-1,2-Dichloroethene
Concen: 18.864 ug/l
RT: 7.185 min Scan# 869
Delta R.T. -0.006 min
Lab File: VW032083.D
Acq: 14 Aug 2025 10:58

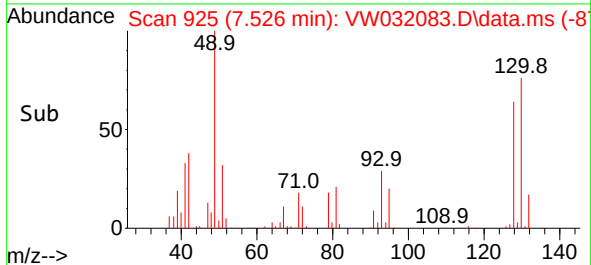
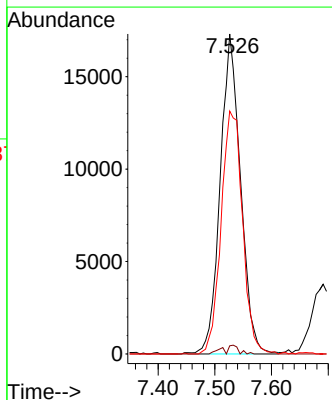
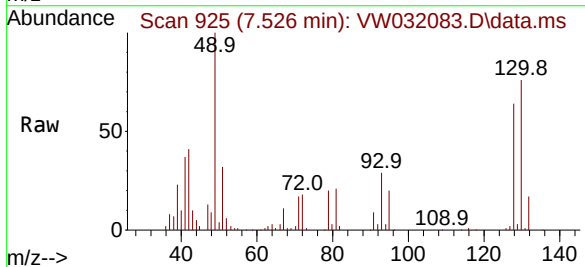
Instrument :
MSVOA_W
ClientSampleId :
VW0814SBSD01

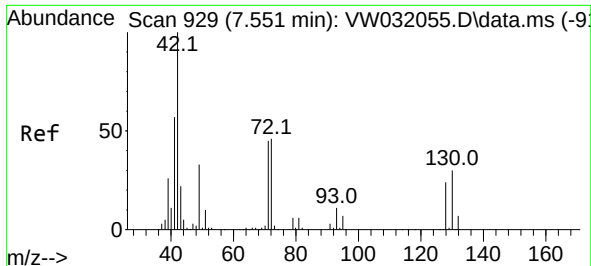
Tgt Ion: 96 Resp: 61895
Ion Ratio Lower Upper
96 100
61 131.5 0.0 281.2
98 63.0 0.0 130.8



#28
Bromochloromethane
Concen: 18.270 ug/l
RT: 7.526 min Scan# 925
Delta R.T. -0.006 min
Lab File: VW032083.D
Acq: 14 Aug 2025 10:58

Tgt Ion: 49 Resp: 43111
Ion Ratio Lower Upper
49 100
129 1.3 0.0 4.2
130 80.0 61.9 92.9

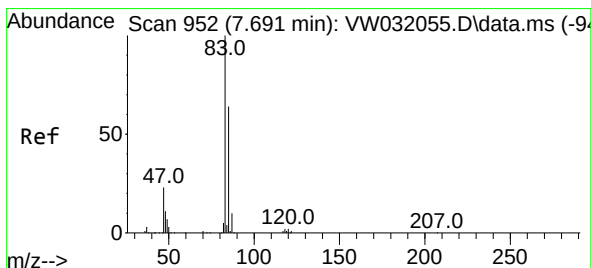
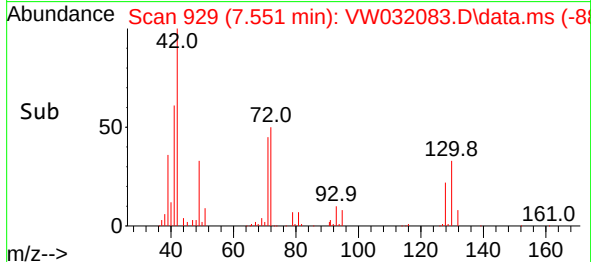
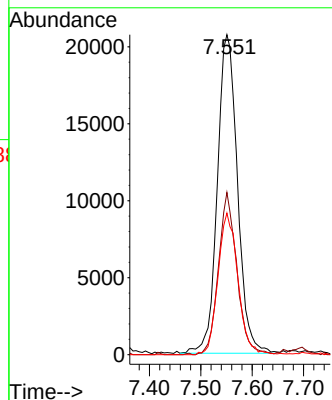
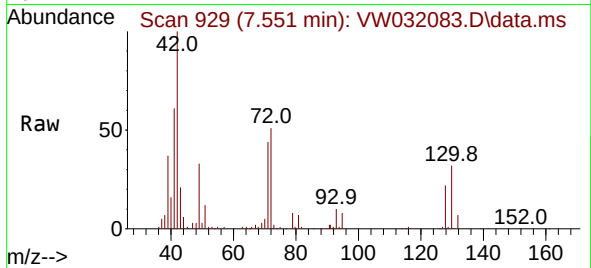




#29
Tetrahydrofuran
Concen: 82.447 ug/l
RT: 7.551 min Scan# 91
Delta R.T. -0.000 min
Lab File: VW032083.D
Acq: 14 Aug 2025 10:58

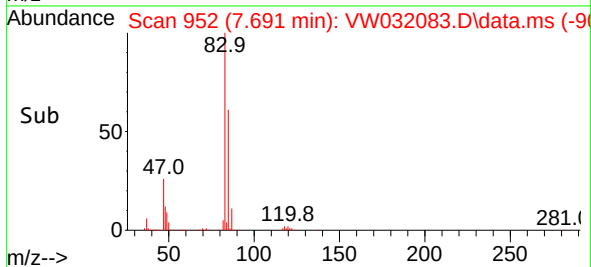
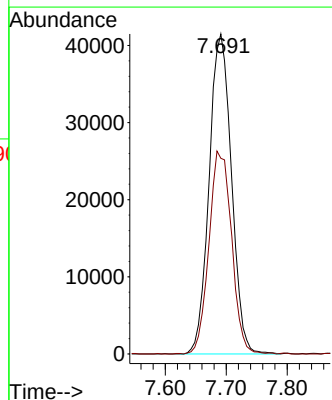
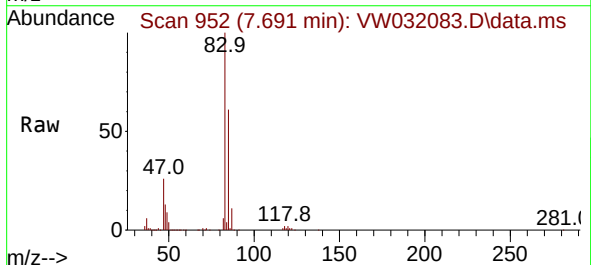
Instrument :
MSVOA_W
ClientSampleId :
VW0814SBSD01

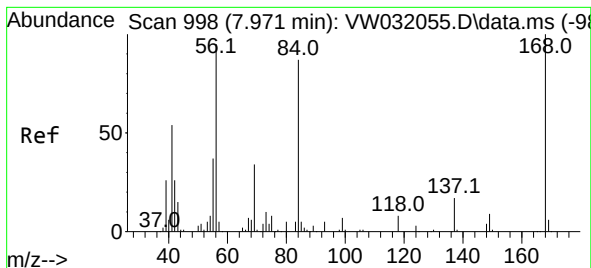
Tgt Ion: 42 Resp: 56439
Ion Ratio Lower Upper
42 100
72 46.6 36.6 55.0
71 43.9 34.7 52.1



#30
Chloroform
Concen: 19.239 ug/l
RT: 7.691 min Scan# 952
Delta R.T. -0.000 min
Lab File: VW032083.D
Acq: 14 Aug 2025 10:58

Tgt Ion: 83 Resp: 105761
Ion Ratio Lower Upper
83 100
85 61.0 51.0 76.4

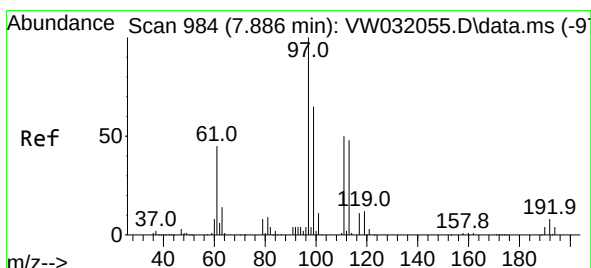
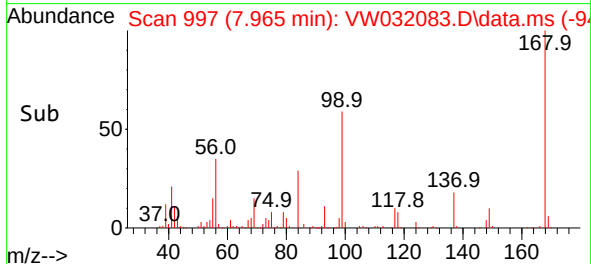
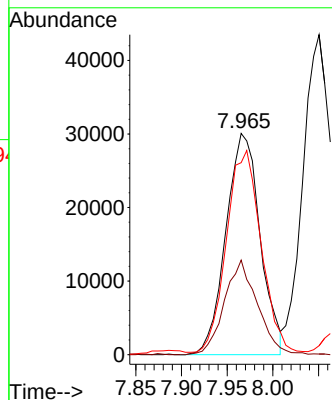
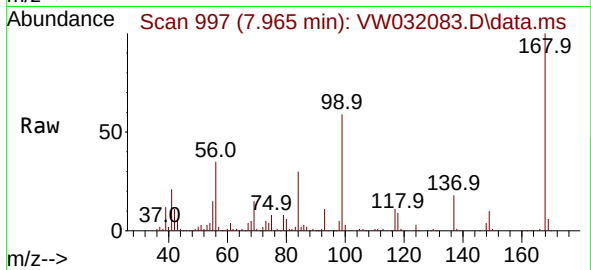




#31
Cyclohexane
Concen: 17.431 ug/l
RT: 7.965 min Scan# 998
Delta R.T. -0.006 min
Lab File: VW032083.D
Acq: 14 Aug 2025 10:58

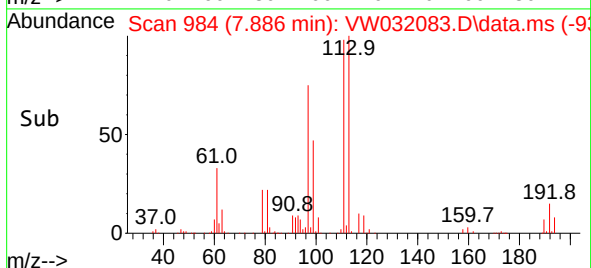
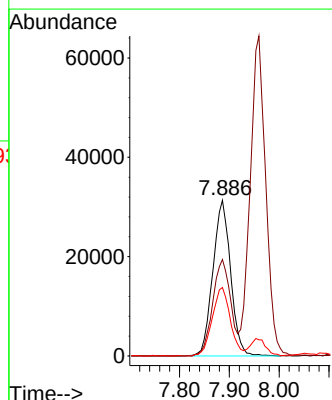
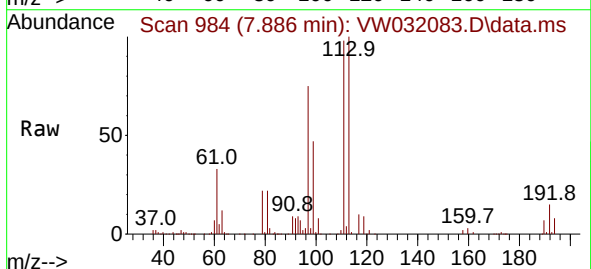
Instrument :
MSVOA_W
ClientSampleId :
VW0814SBS01

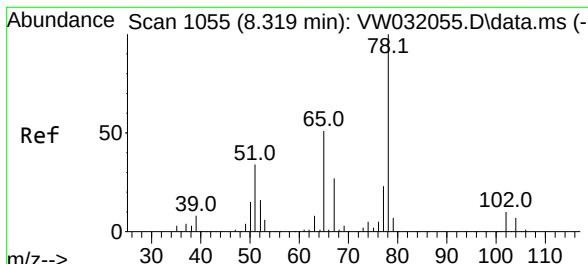
Tgt Ion: 56 Resp: 78359
Ion Ratio Lower Upper
56 100
69 42.2 28.6 42.8
84 85.0 73.0 109.4



#32
1,1,1-Trichloroethane
Concen: 19.425 ug/l
RT: 7.886 min Scan# 984
Delta R.T. -0.000 min
Lab File: VW032083.D
Acq: 14 Aug 2025 10:58

Tgt Ion: 97 Resp: 77562
Ion Ratio Lower Upper
97 100
99 62.4 51.8 77.8
61 44.8 35.9 53.9

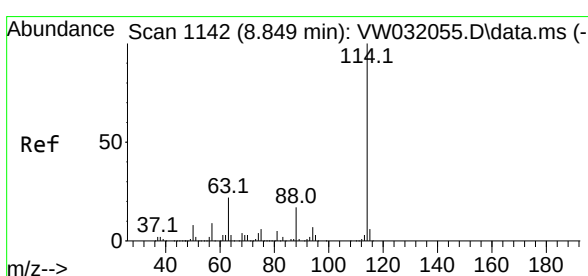
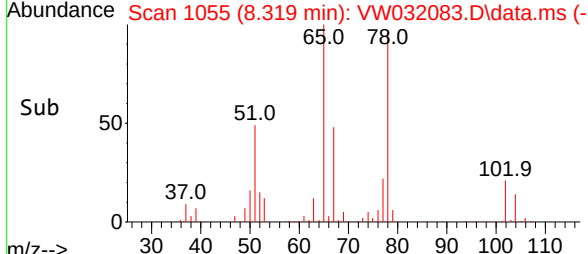
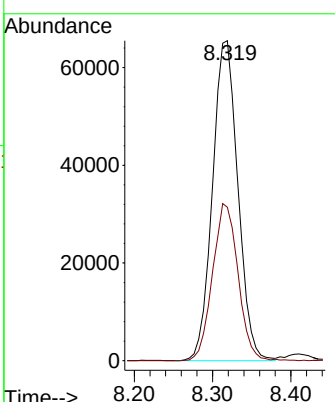
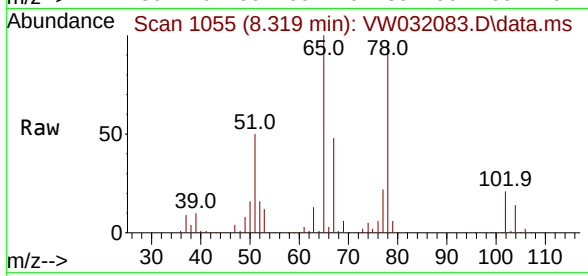




#33
 1,2-Dichloroethane-d4
 Concen: 46.808 ug/l
 RT: 8.319 min Scan# 1055
 Delta R.T. -0.000 min
 Lab File: VW032083.D
 Acq: 14 Aug 2025 10:58

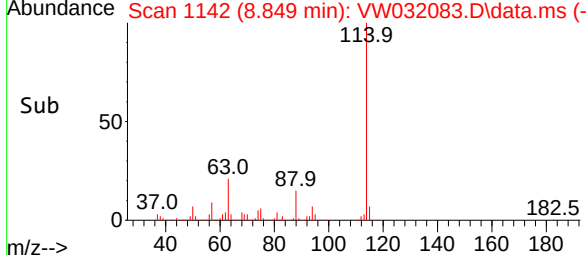
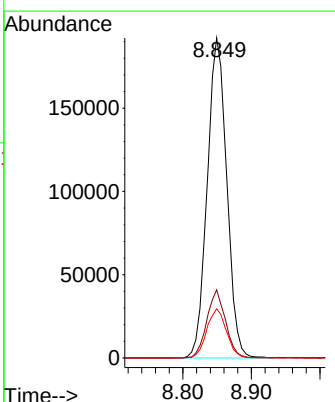
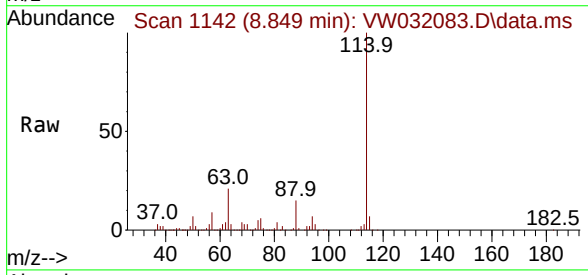
Instrument : MSVOA_W
 ClientSampleId : VW0814SBS01

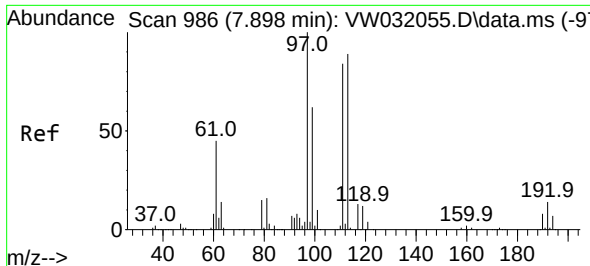
Tgt Ion:	65	Resp:	147653
Ion Ratio	Lower	Upper	
65	100		
67	49.4	0.0	102.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.849 min Scan# 1142
 Delta R.T. -0.000 min
 Lab File: VW032083.D
 Acq: 14 Aug 2025 10:58

Tgt Ion:	114	Resp:	379951
Ion Ratio	Lower	Upper	
114	100		
63	21.3	0.0	43.0
88	15.4	0.0	33.8

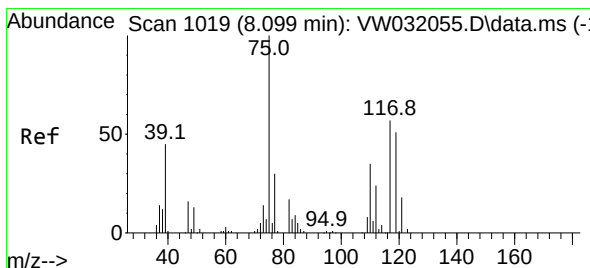
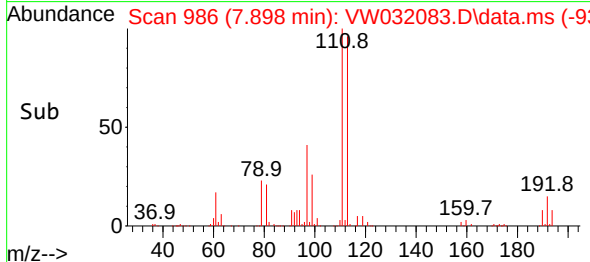
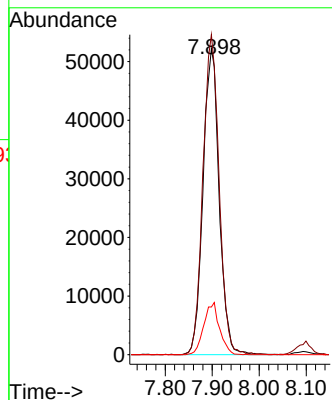
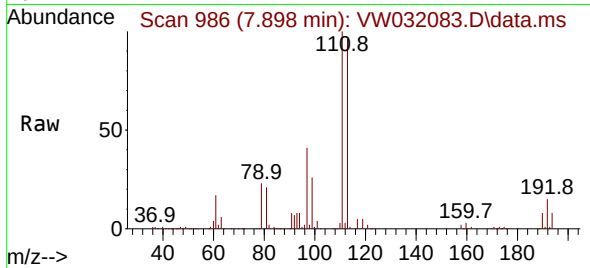




#35
Dibromofluoromethane
Concen: 50.548 ug/l
RT: 7.898 min Scan# 91
Delta R.T. -0.000 min
Lab File: VW032083.D
Acq: 14 Aug 2025 10:58

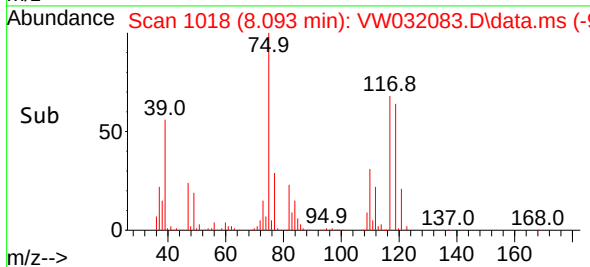
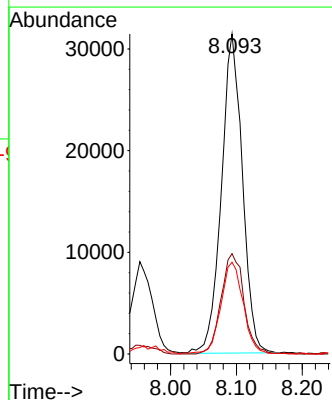
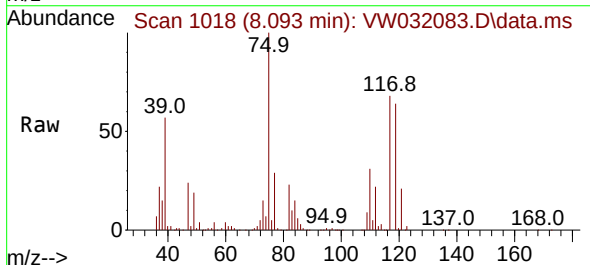
Instrument :
MSVOA_W
ClientSampleId :
VW0814SBSD01

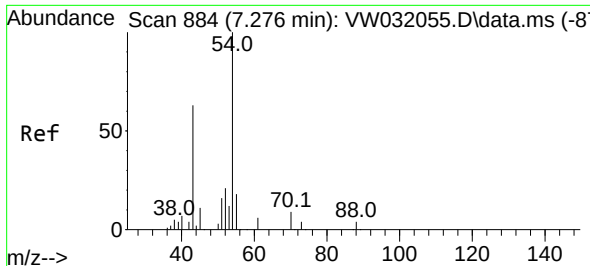
Tgt Ion:113 Resp: 124076
Ion Ratio Lower Upper
113 100
111 105.0 80.1 120.1
192 16.7 13.1 19.7



#36
1,1-Dichloropropene
Concen: 20.189 ug/l
RT: 8.093 min Scan# 1018
Delta R.T. -0.006 min
Lab File: VW032083.D
Acq: 14 Aug 2025 10:58

Tgt Ion: 75 Resp: 69861
Ion Ratio Lower Upper
75 100
110 34.2 17.4 52.2
77 30.6 24.7 37.1

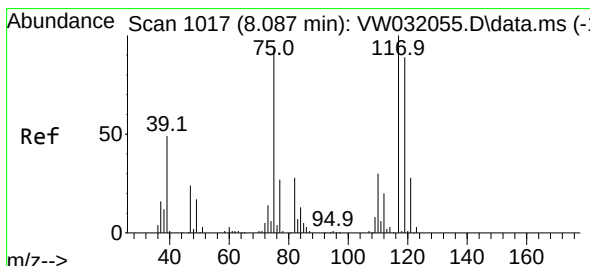
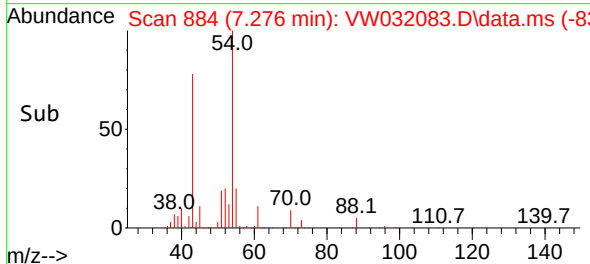
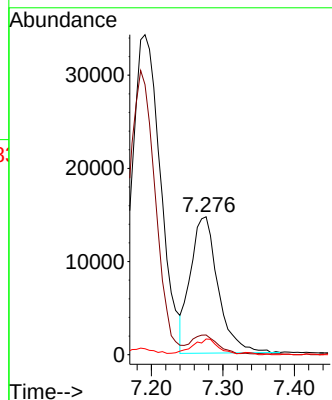
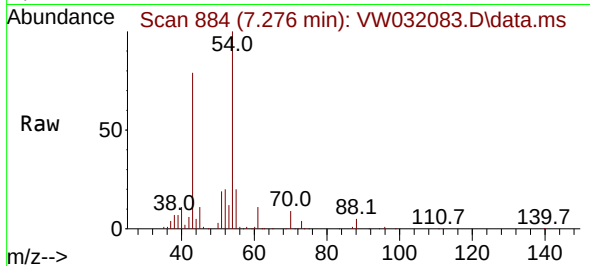




#37
Ethyl Acetate
Concen: 19.240 ug/l
RT: 7.276 min Scan# 81
Delta R.T. -0.000 min
Lab File: VW032083.D
Acq: 14 Aug 2025 10:58

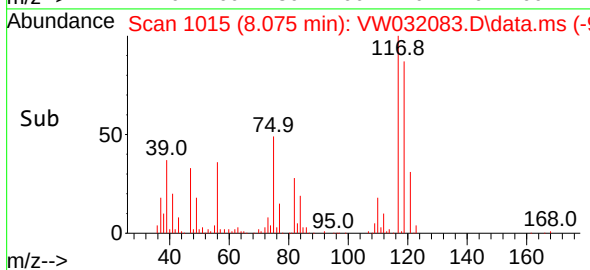
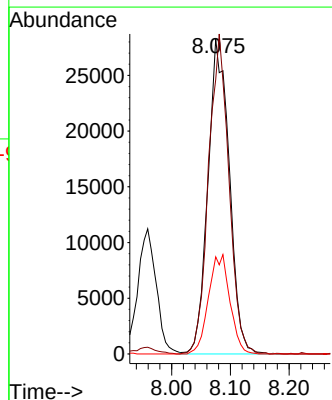
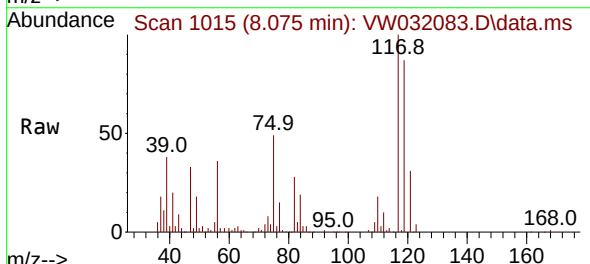
Instrument :
MSVOA_W
ClientSampleId :
VW0814SBSD01

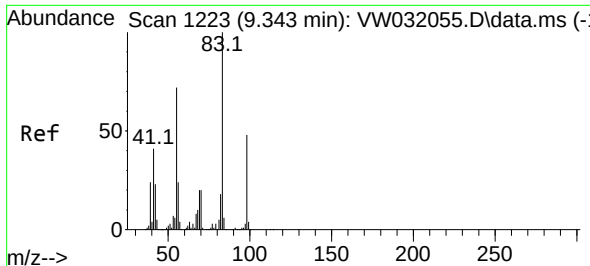
Tgt Ion:	43	Resp:	39212
Ion	Ratio	Lower	Upper
43	100		
61	13.1	11.8	17.6
70	10.9	9.4	14.0



#38
Carbon Tetrachloride
Concen: 21.419 ug/l
RT: 8.075 min Scan# 1015
Delta R.T. -0.012 min
Lab File: VW032083.D
Acq: 14 Aug 2025 10:58

Tgt Ion:	117	Resp:	71526
Ion	Ratio	Lower	Upper
117	100		
119	87.2	71.4	107.2
121	30.8	22.3	33.5





#39

Methylcyclohexane

Concen: 19.402 ug/l

RT: 9.343 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW032083.D

Acq: 14 Aug 2025 10:58

Instrument :

MSVOA_W

ClientSampleId :

VW0814SBS01

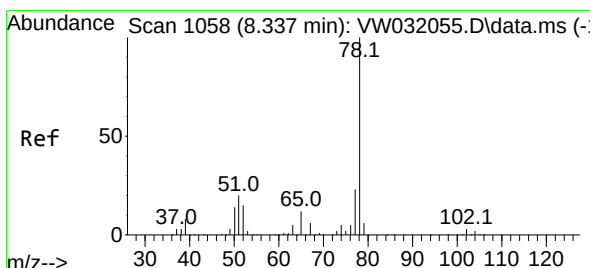
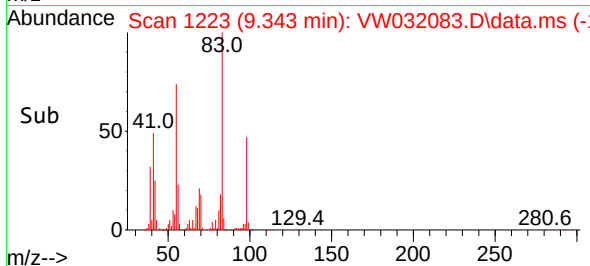
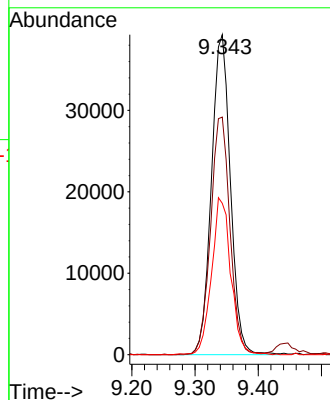
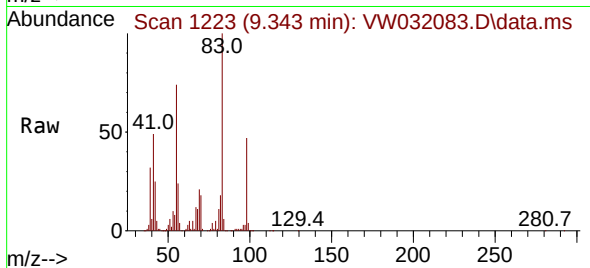
Tgt Ion: 83 Resp: 81832

Ion Ratio Lower Upper

83 100

55 74.1 57.9 86.9

98 47.3 38.3 57.5



#40

Benzene

Concen: 19.983 ug/l

RT: 8.337 min Scan# 1058

Delta R.T. -0.000 min

Lab File: VW032083.D

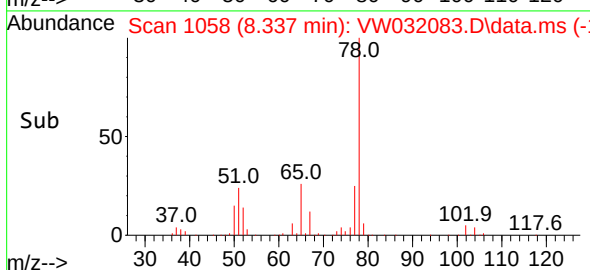
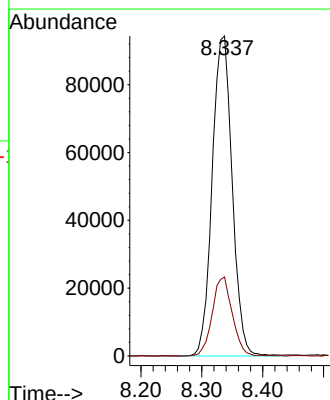
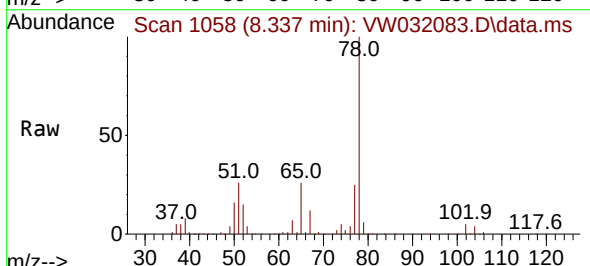
Acq: 14 Aug 2025 10:58

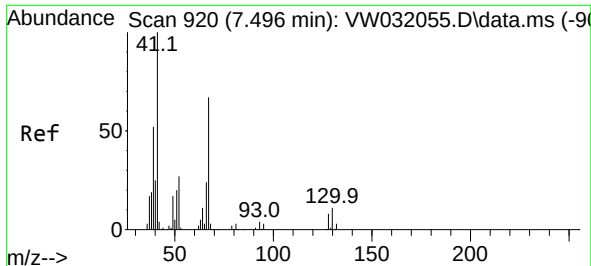
Tgt Ion: 78 Resp: 214937

Ion Ratio Lower Upper

78 100

77 24.7 18.4 27.6

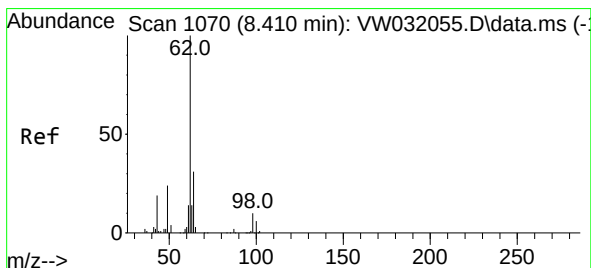
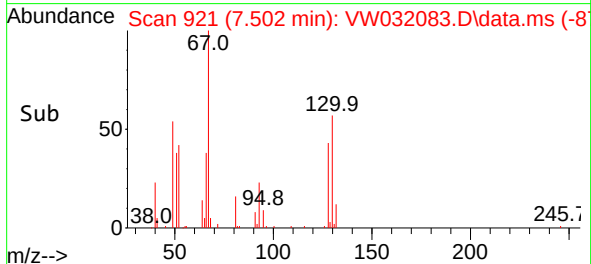
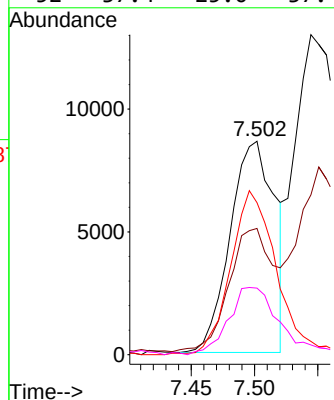
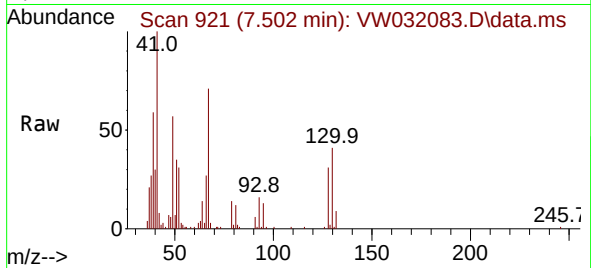




#41
Methacrylonitrile
Concen: 18.301 ug/l
RT: 7.502 min Scan# 91
Delta R.T. 0.006 min
Lab File: VW032083.D
Acq: 14 Aug 2025 10:58

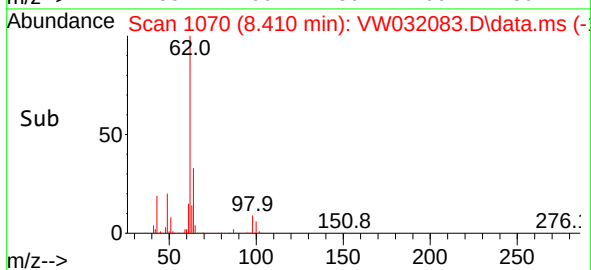
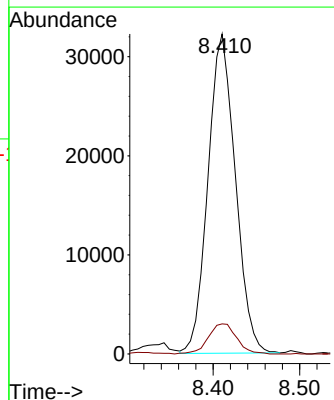
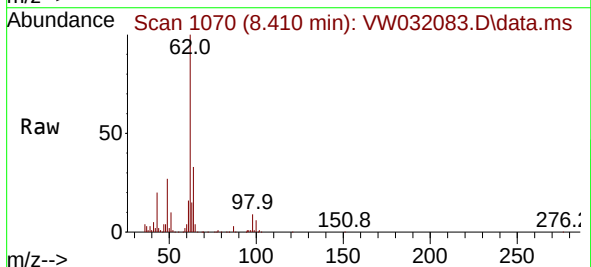
Instrument :
MSVOA_W
ClientSampleId :
VW0814SBSD01

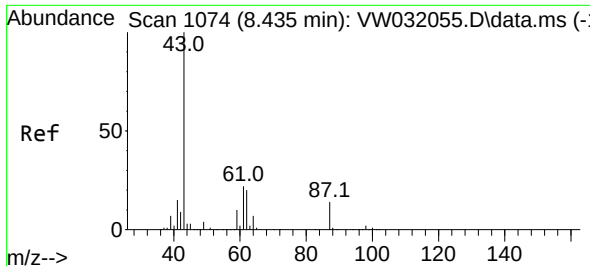
Tgt Ion:	41	Resp:	21151
Ion	Ratio	Lower	Upper
41	100		
39	59.2	42.6	63.8
67	80.1	61.0	91.4
52	37.4	25.0	37.4



#42
1,2-Dichloroethane
Concen: 20.552 ug/l
RT: 8.410 min Scan# 1070
Delta R.T. -0.000 min
Lab File: VW032083.D
Acq: 14 Aug 2025 10:58

Tgt Ion:	62	Resp:	70737
Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	19.8

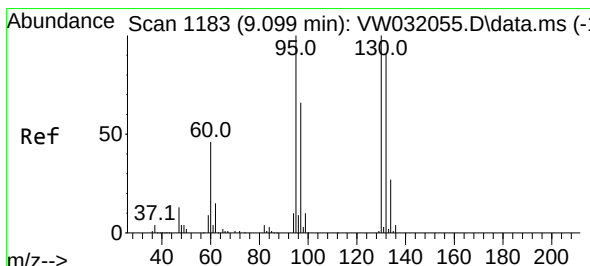
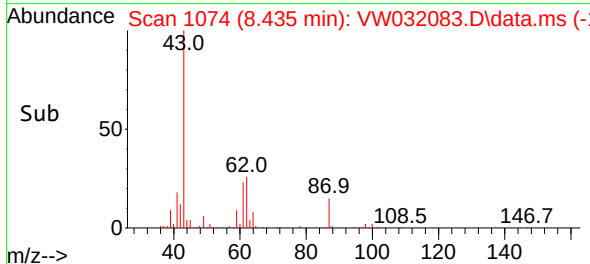
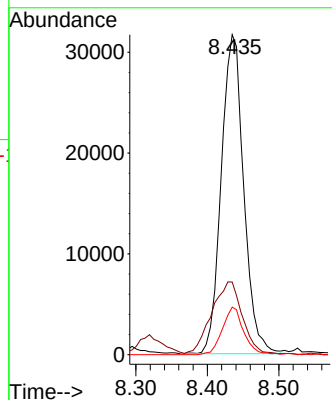
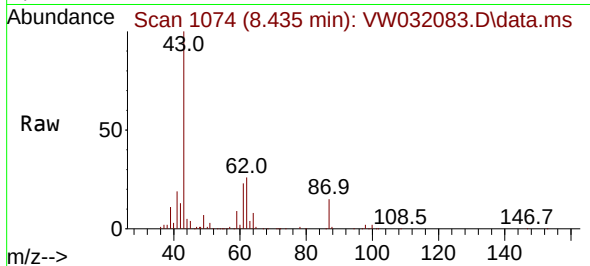




#43
Isopropyl Acetate
Concen: 18.403 ug/l
RT: 8.435 min Scan# 1074
Delta R.T. -0.000 min
Lab File: VW032083.D
Acq: 14 Aug 2025 10:58

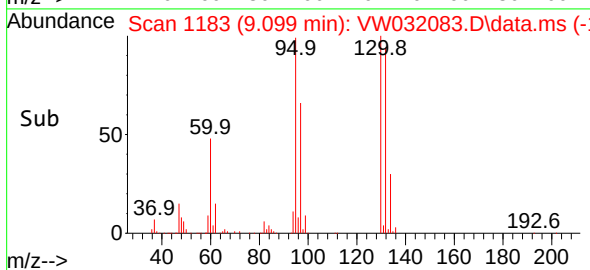
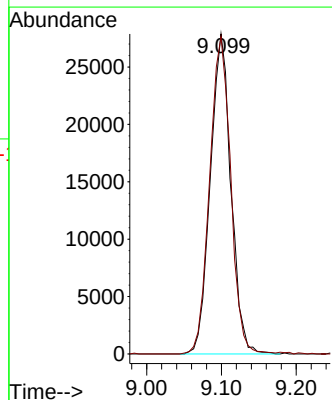
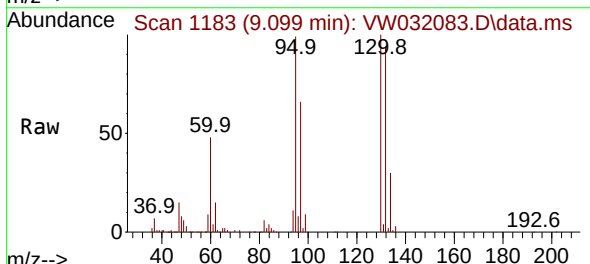
Instrument : MSVOA_W
ClientSampleId : VW0814SBSD01

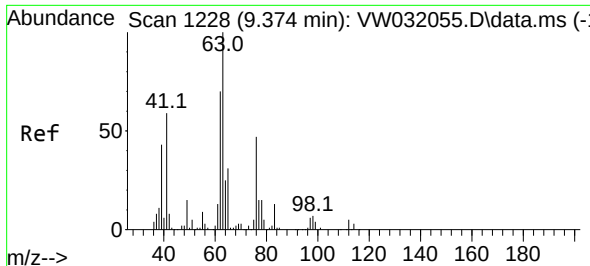
Tgt Ion: 43	Resp: 69002
Ion Ratio	Lower Upper
43 100	
61 30.6	23.8 35.8
87 14.1	11.7 17.5



#44
Trichloroethene
Concen: 20.845 ug/l
RT: 9.099 min Scan# 1183
Delta R.T. -0.000 min
Lab File: VW032083.D
Acq: 14 Aug 2025 10:58

Tgt Ion:130	Resp: 53394
Ion Ratio	Lower Upper
130 100	
95 99.2	0.0 200.6





#45

1,2-Dichloropropane

Concen: 19.487 ug/l

RT: 9.374 min Scan# 1228

Delta R.T. -0.000 min

Lab File: VW032083.D

Acq: 14 Aug 2025 10:58

Instrument :

MSVOA_W

ClientSampleId :

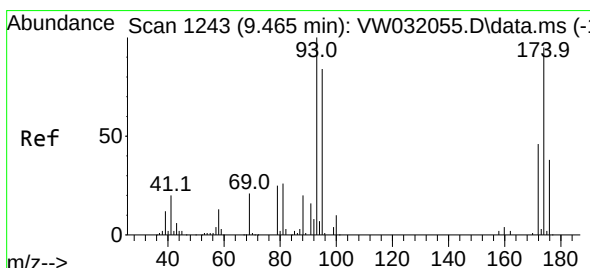
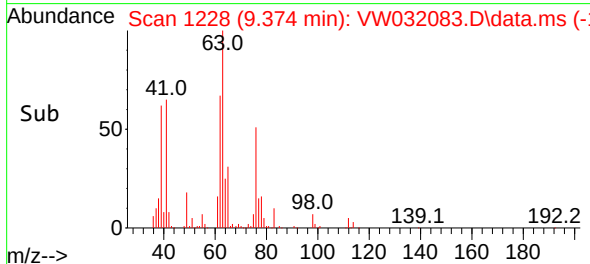
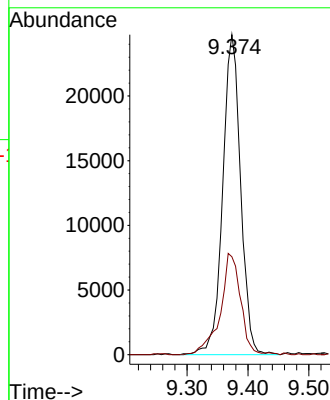
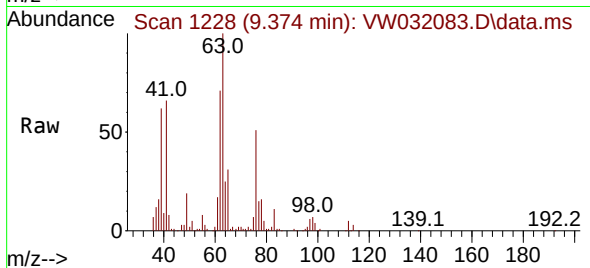
VW0814SBSD01

Tgt Ion: 63 Resp: 50638

Ion Ratio Lower Upper

63 100

65 30.6 24.6 36.8



#46

Dibromomethane

Concen: 20.610 ug/l

RT: 9.465 min Scan# 1243

Delta R.T. -0.000 min

Lab File: VW032083.D

Acq: 14 Aug 2025 10:58

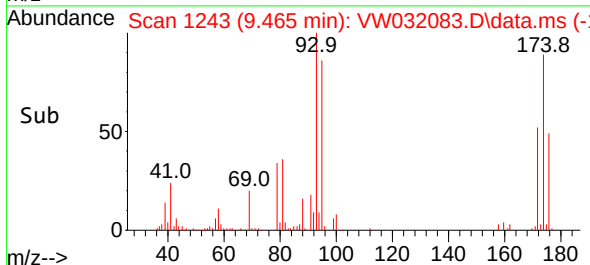
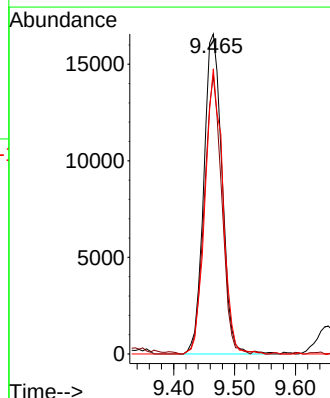
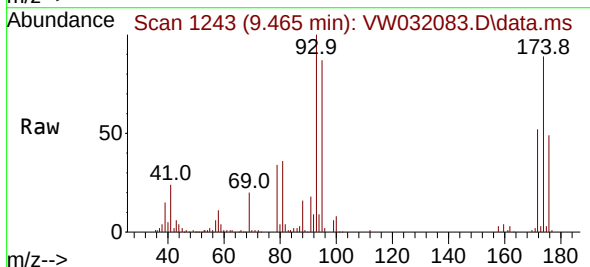
Tgt Ion: 93 Resp: 34565

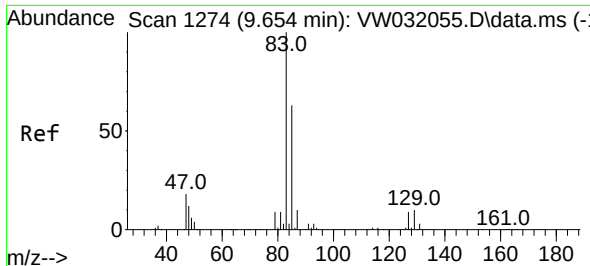
Ion Ratio Lower Upper

93 100

95 82.8 65.3 97.9

174 86.6 68.6 102.8

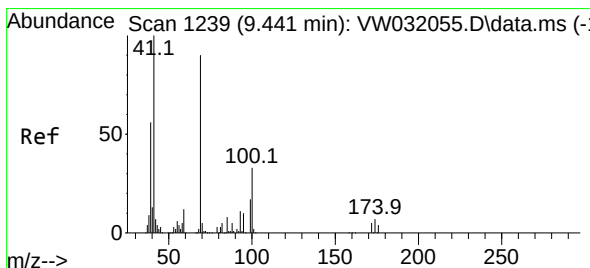
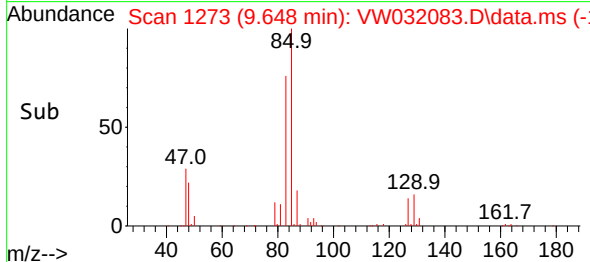
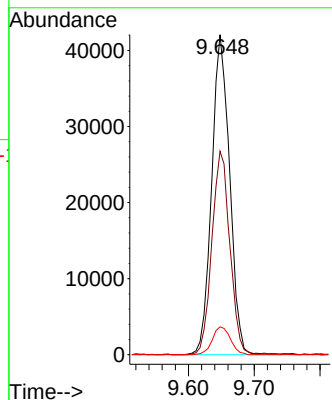
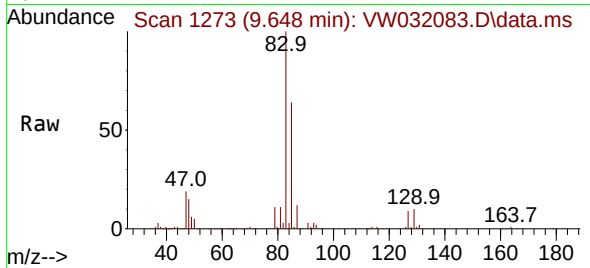




#47
Bromodichloromethane
Concen: 20.621 ug/l
RT: 9.648 min Scan# 1273
Delta R.T. -0.006 min
Lab File: VW032083.D
Acq: 14 Aug 2025 10:58

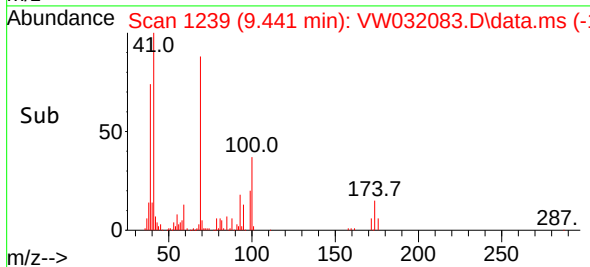
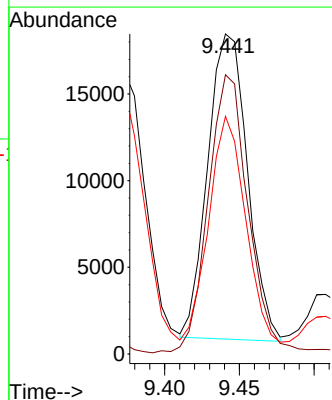
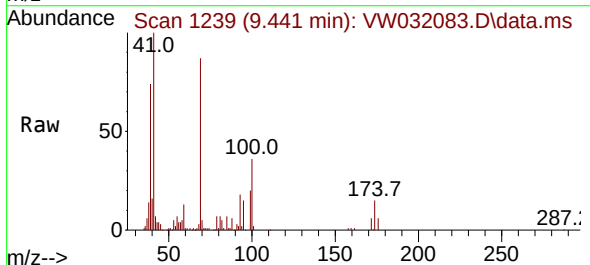
Instrument :
MSVOA_W
ClientSampleId :
VW0814SBSD01

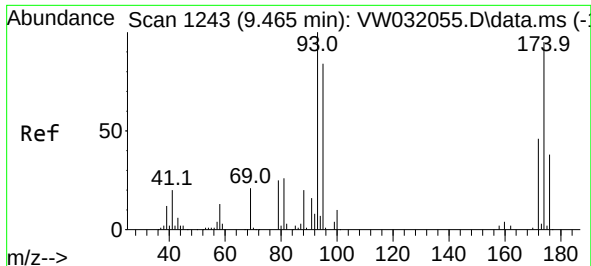
Tgt Ion: 83 Resp: 79691
Ion Ratio Lower Upper
83 100
85 63.5 50.6 75.8
127 8.7 6.9 10.3



#48
Methyl methacrylate
Concen: 17.966 ug/l
RT: 9.441 min Scan# 1239
Delta R.T. -0.000 min
Lab File: VW032083.D
Acq: 14 Aug 2025 10:58

Tgt Ion: 41 Resp: 32521
Ion Ratio Lower Upper
41 100
69 93.1 73.0 109.6
39 68.4 45.0 67.4

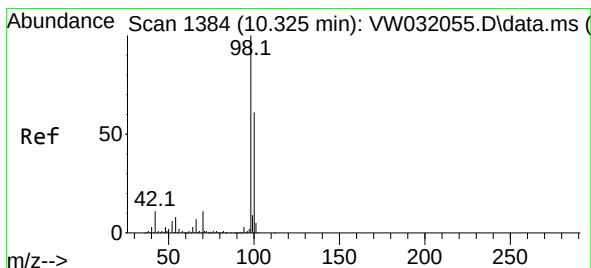
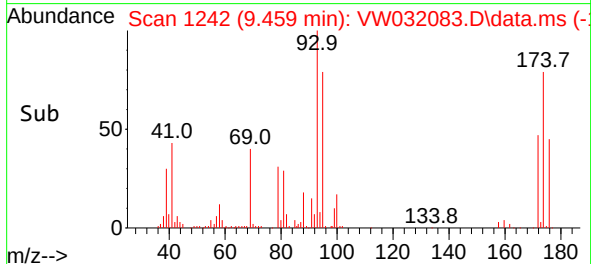
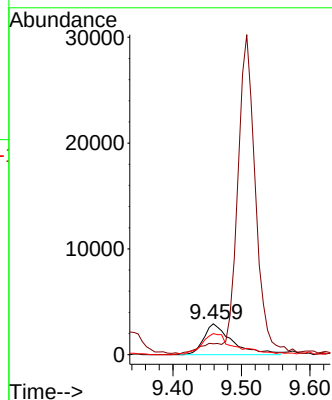
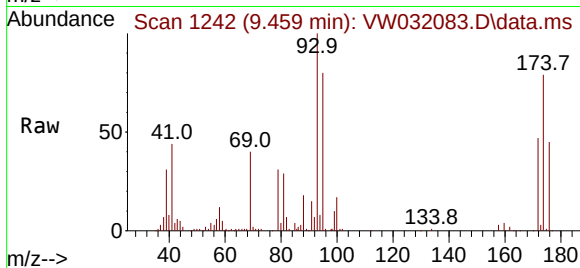




#49
 1,4-Dioxane
 Concen: 387.463 ug/l
 RT: 9.459 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: VW032083.D
 Acq: 14 Aug 2025 10:58

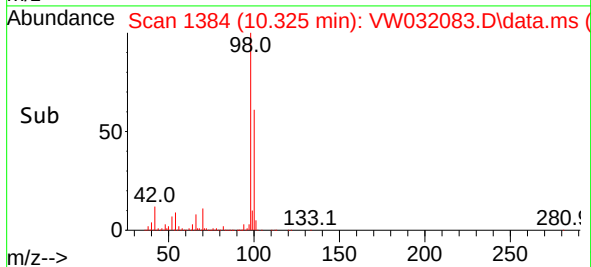
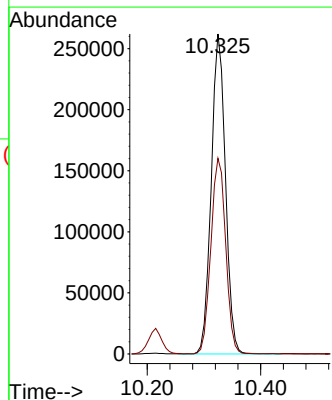
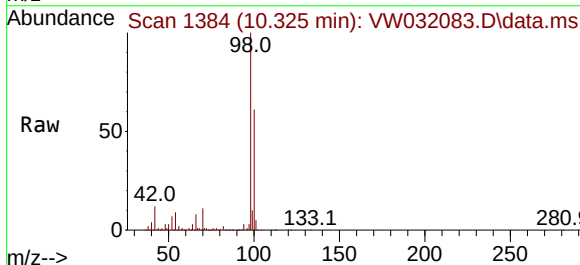
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0814SBSD01

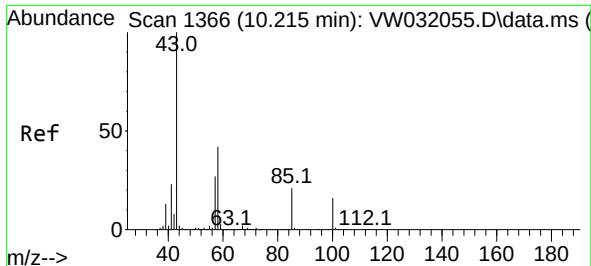
Tgt Ion: 88 Resp: 8402
 Ion Ratio Lower Upper
 88 100
 43 0.0 20.6 30.8#
 58 80.8 60.4 90.6



#50
 Toluene-d8
 Concen: 50.113 ug/l
 RT: 10.325 min Scan# 1384
 Delta R.T. -0.000 min
 Lab File: VW032083.D
 Acq: 14 Aug 2025 10:58

Tgt Ion: 98 Resp: 454977
 Ion Ratio Lower Upper
 98 100
 100 63.7 51.1 76.7

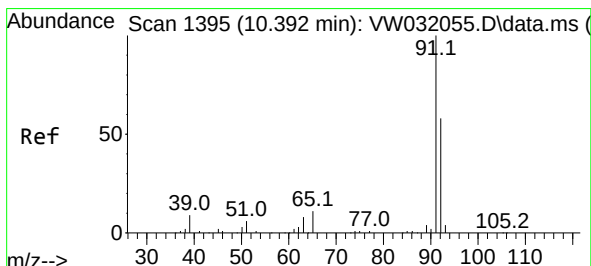
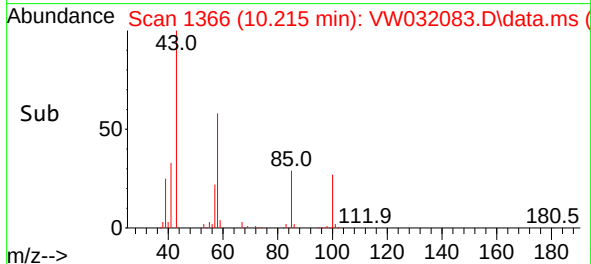
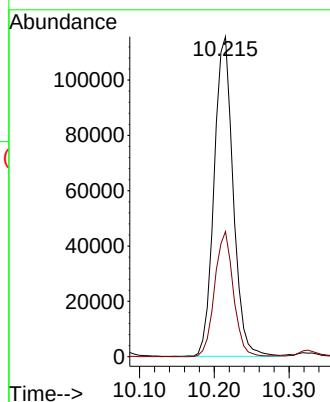
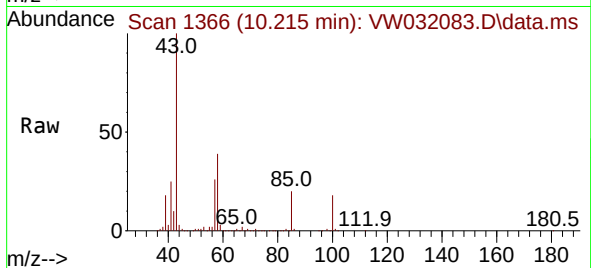




#51
4-Methyl-2-Pentanone
Concen: 96.913 ug/l
RT: 10.215 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW032083.D
Acq: 14 Aug 2025 10:58

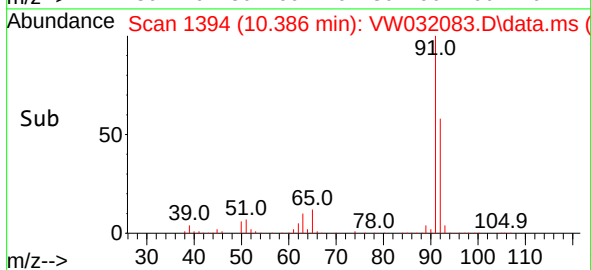
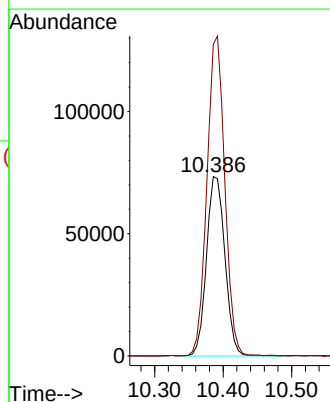
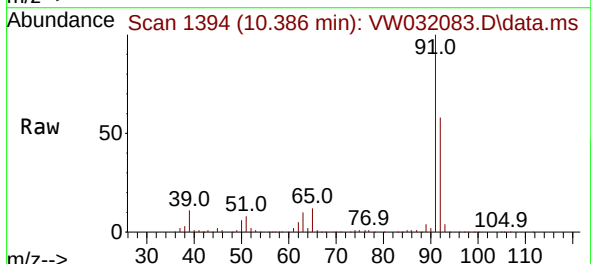
Instrument :
MSVOA_W
ClientSampleId :
VW0814SBSD01

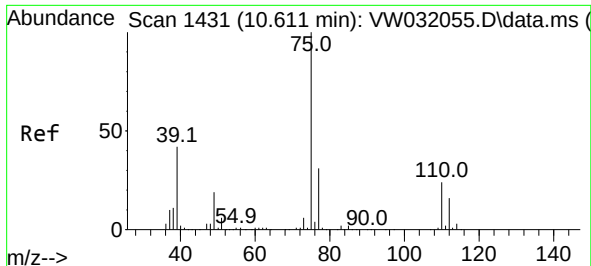
Tgt Ion: 43 Resp: 205106
Ion Ratio Lower Upper
43 100
58 38.5 33.1 49.7



#52
Toluene
Concen: 20.277 ug/l
RT: 10.386 min Scan# 1394
Delta R.T. -0.006 min
Lab File: VW032083.D
Acq: 14 Aug 2025 10:58

Tgt Ion: 92 Resp: 137378
Ion Ratio Lower Upper
92 100
91 172.5 136.3 204.5

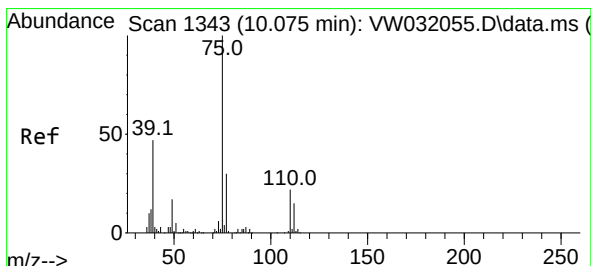
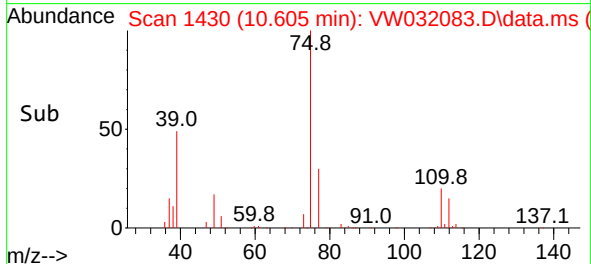
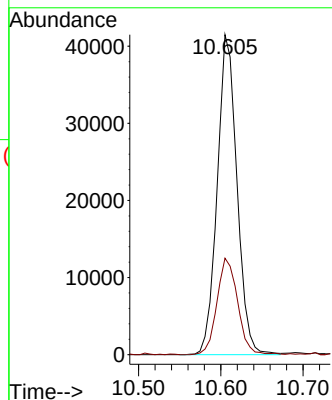
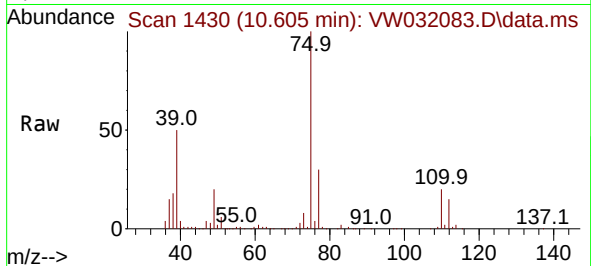




#53
 t-1,3-Dichloropropene
 Concen: 19.147 ug/l
 RT: 10.605 min Scan# 1431
 Delta R.T. -0.006 min
 Lab File: VW032083.D
 Acq: 14 Aug 2025 10:58

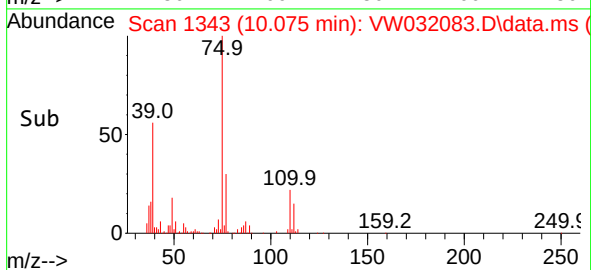
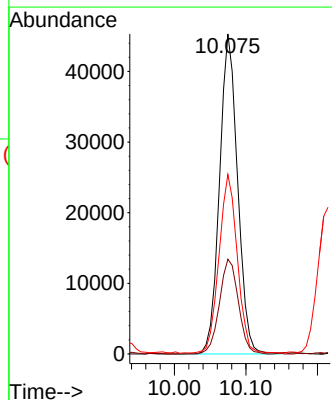
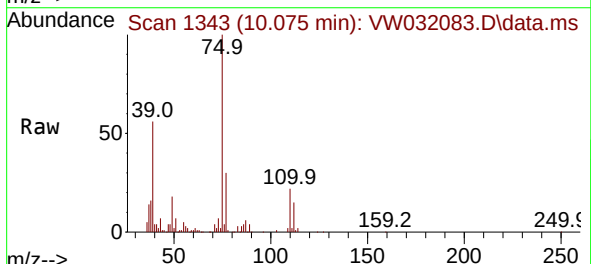
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0814SBSD01

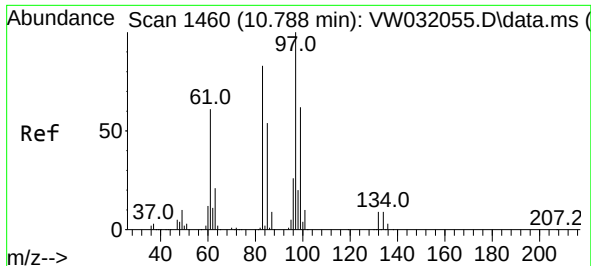
Tgt Ion: 75 Resp: 69323
 Ion Ratio Lower Upper
 75 100
 77 30.2 25.0 37.6



#54
 cis-1,3-Dichloropropene
 Concen: 19.350 ug/l
 RT: 10.075 min Scan# 1343
 Delta R.T. -0.000 min
 Lab File: VW032083.D
 Acq: 14 Aug 2025 10:58

Tgt Ion: 75 Resp: 79480
 Ion Ratio Lower Upper
 75 100
 77 29.5 24.0 36.0
 39 55.9 37.8 56.8

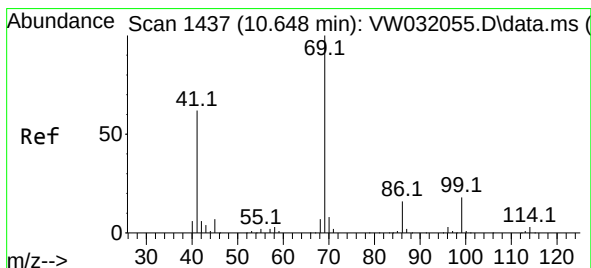
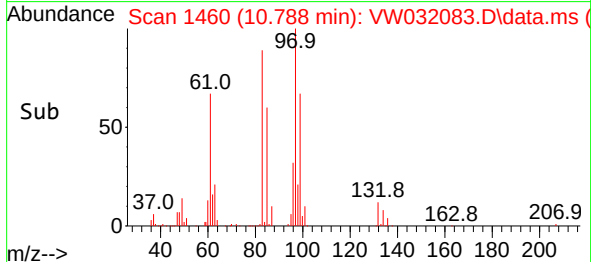
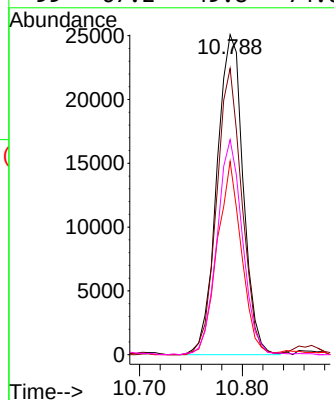
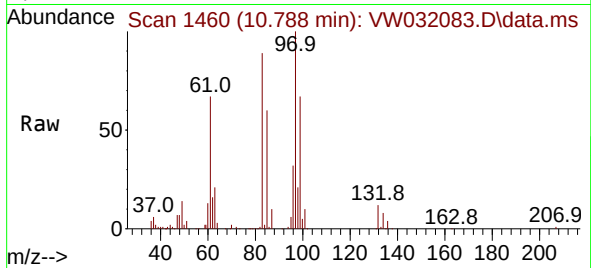




#55
1,1,2-Trichloroethane
Concen: 20.001 ug/l
RT: 10.788 min Scan# 1460
Delta R.T. -0.000 min
Lab File: VW032083.D
Acq: 14 Aug 2025 10:58

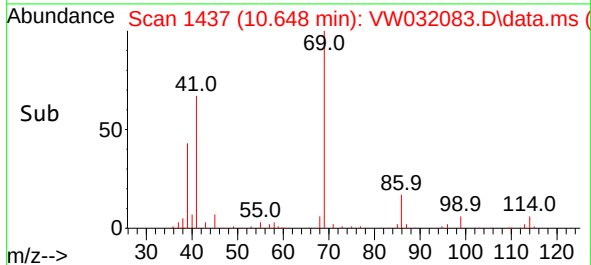
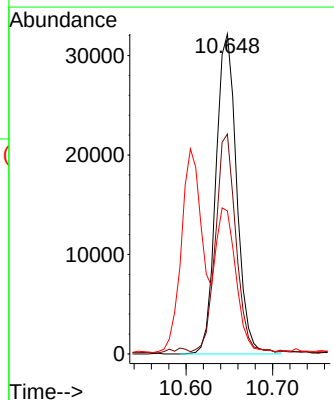
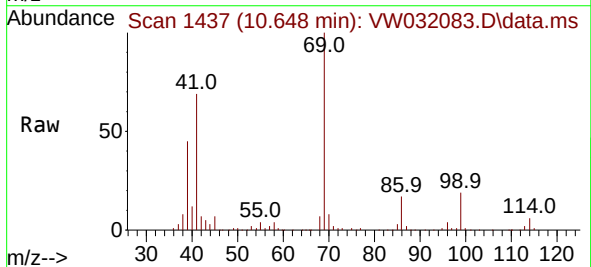
Instrument :
MSVOA_W
ClientSampleId :
VW0814SBSD01

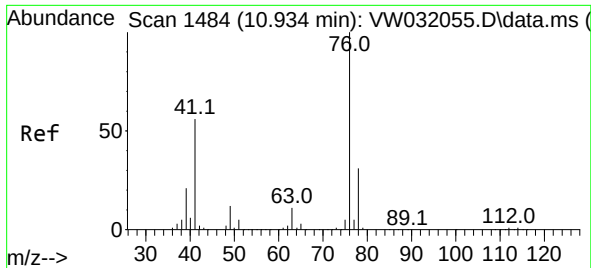
Tgt Ion:	97	Resp:	44575
Ion	Ratio	Lower	Upper
97	100		
83	89.4	66.4	99.6
85	60.4	43.1	64.7
99	67.2	49.8	74.6



#56
Ethyl methacrylate
Concen: 17.973 ug/l
RT: 10.648 min Scan# 1437
Delta R.T. -0.000 min
Lab File: VW032083.D
Acq: 14 Aug 2025 10:58

Tgt Ion:	69	Resp:	53600
Ion	Ratio	Lower	Upper
69	100		
41	66.3	51.2	76.8
39	41.7	25.4	38.0

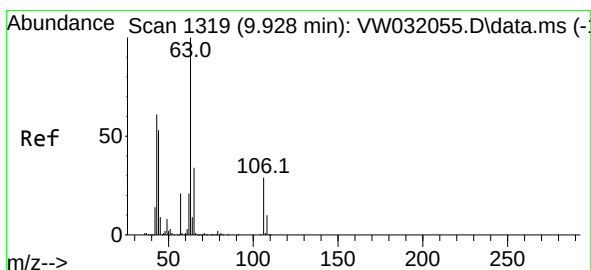
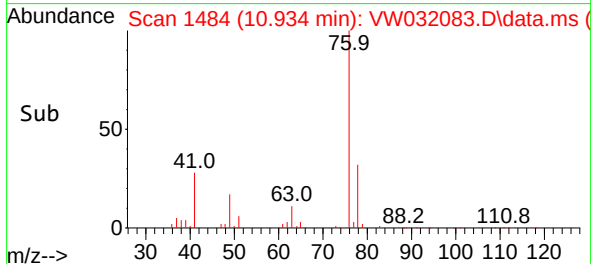
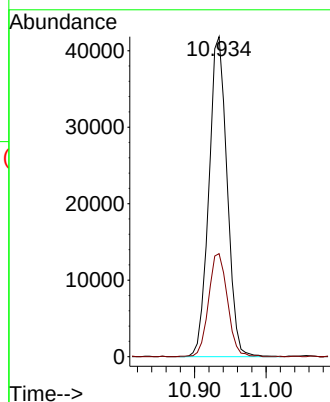
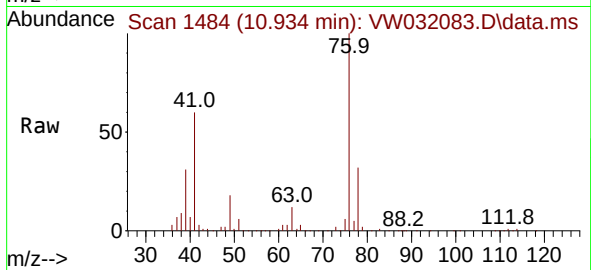




#57
1,3-Dichloropropane
Concen: 19.038 ug/l
RT: 10.934 min Scan# 1484
Delta R.T. -0.000 min
Lab File: VW032083.D
Acq: 14 Aug 2025 10:58

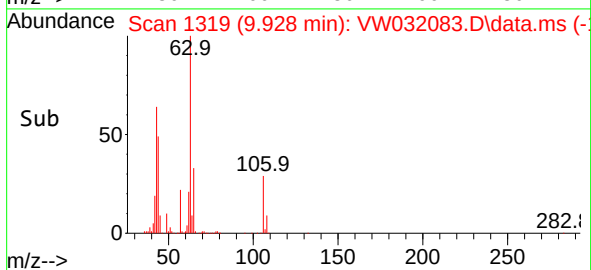
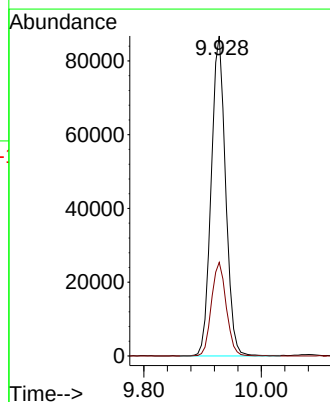
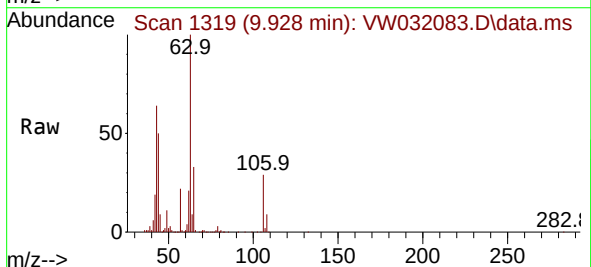
Instrument :
MSVOA_W
ClientSampleId :
VW0814SBSD01

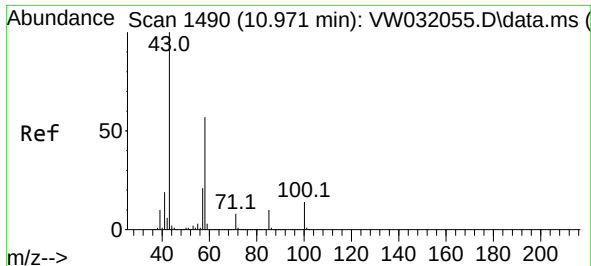
Tgt Ion	Ratio	Lower	Upper
76	100		
78	33.5	25.8	38.6



#58
2-Chloroethyl Vinyl ether
Concen: 89.504 ug/l
RT: 9.928 min Scan# 1319
Delta R.T. -0.000 min
Lab File: VW032083.D
Acq: 14 Aug 2025 10:58

Tgt Ion	Ratio	Lower	Upper
63	100		
106	30.0	23.5	35.3

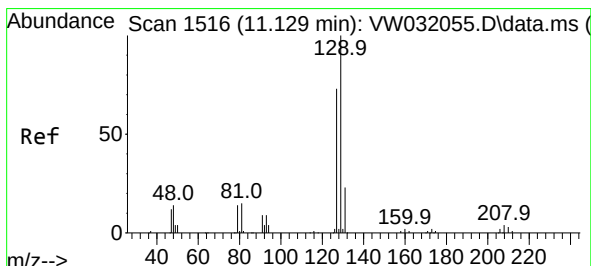
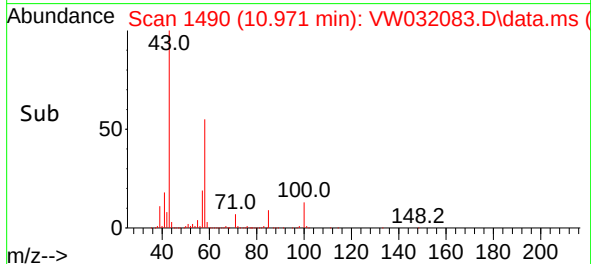
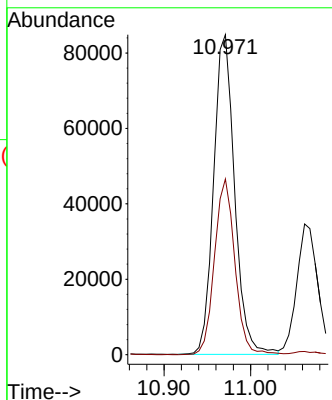
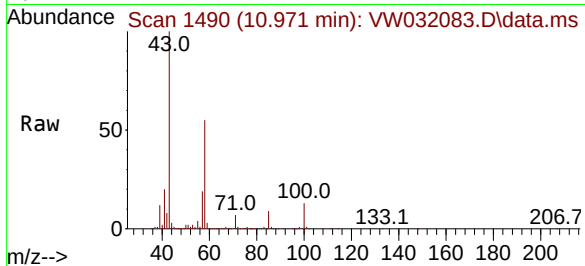




#59
2-Hexanone
Concen: 97.375 ug/l
RT: 10.971 min Scan# 1490
Delta R.T. -0.000 min
Lab File: VW032083.D
Acq: 14 Aug 2025 10:58

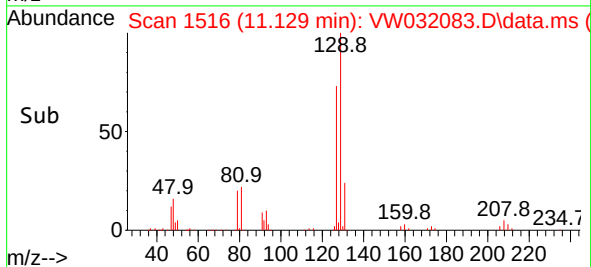
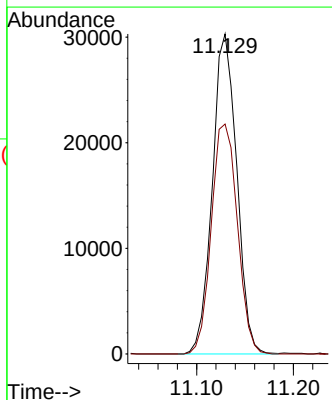
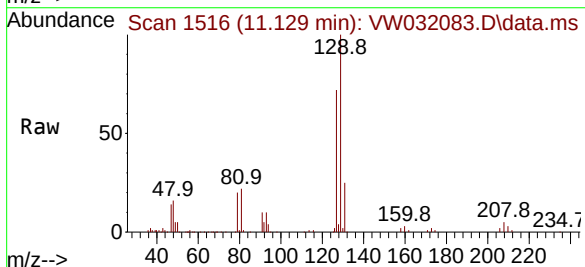
Instrument :
MSVOA_W
ClientSampleId :
VW0814SBSD01

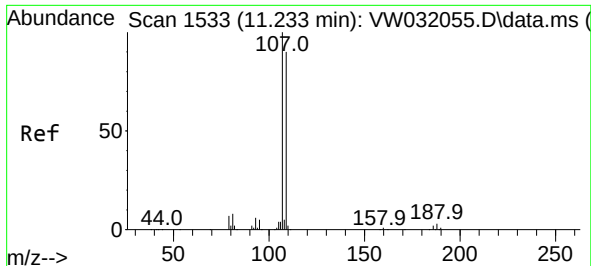
Tgt Ion: 43 Resp: 142726
Ion Ratio Lower Upper
43 100
58 53.4 28.3 85.0



#60
Dibromochloromethane
Concen: 20.855 ug/l
RT: 11.129 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VW032083.D
Acq: 14 Aug 2025 10:58

Tgt Ion: 129 Resp: 53091
Ion Ratio Lower Upper
129 100
127 76.7 39.0 116.9

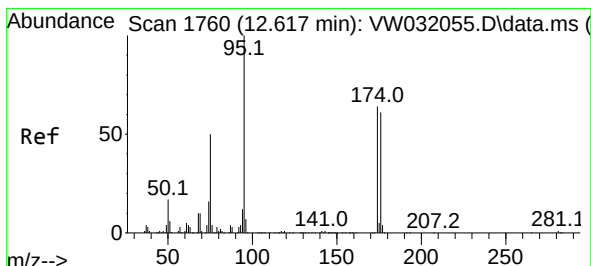
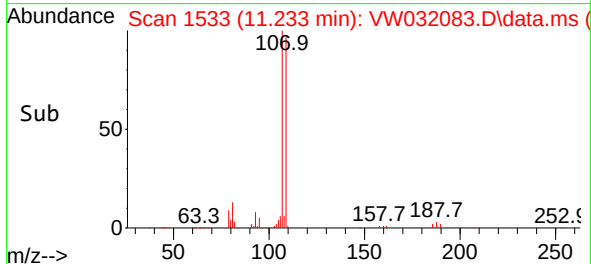
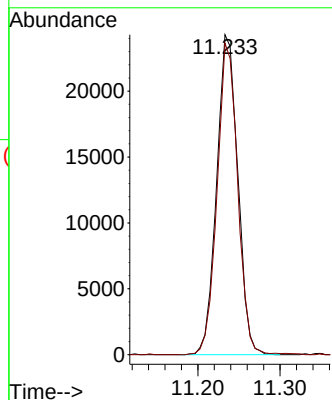
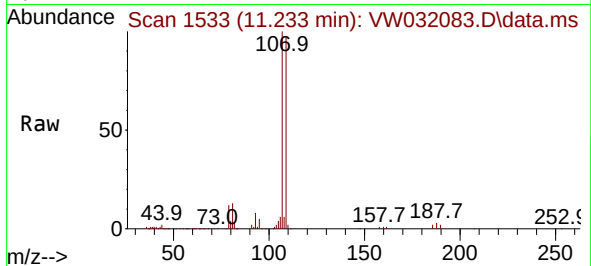




#61
1,2-Dibromoethane
Concen: 19.998 ug/l
RT: 11.233 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW032083.D
Acq: 14 Aug 2025 10:58

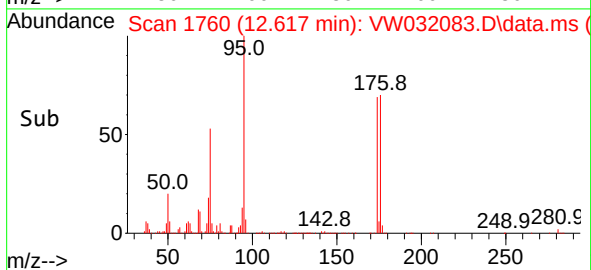
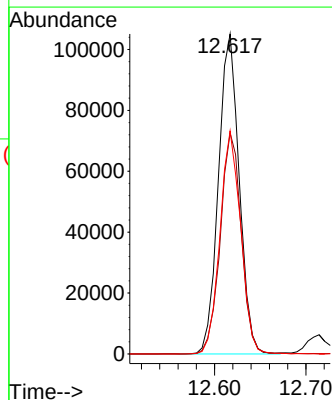
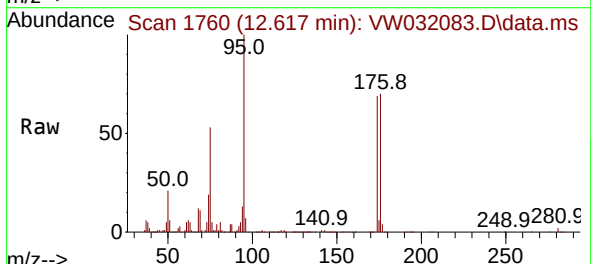
Instrument :
MSVOA_W
ClientSampleId :
VW0814SBSD01

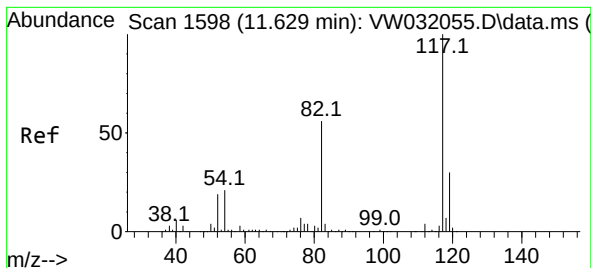
Tgt Ion:107 Resp: 43311
Ion Ratio Lower Upper
107 100
109 95.0 74.2 111.4



#62
4-Bromofluorobenzene
Concen: 49.621 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032083.D
Acq: 14 Aug 2025 10:58

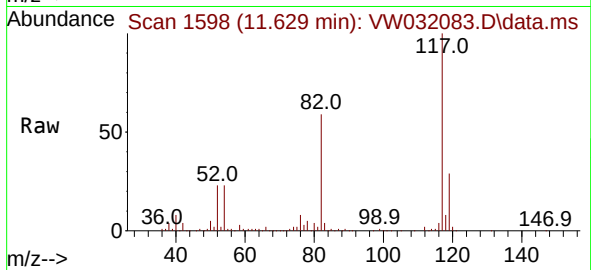
Tgt Ion: 95 Resp: 166018
Ion Ratio Lower Upper
95 100
174 69.7 0.0 129.0
176 69.9 0.0 124.6



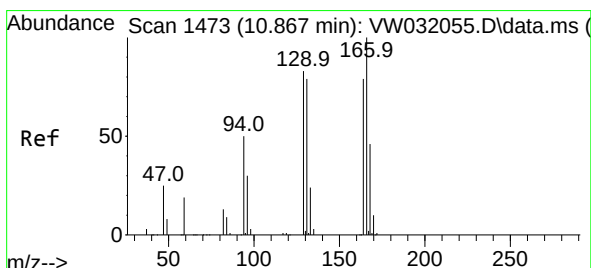
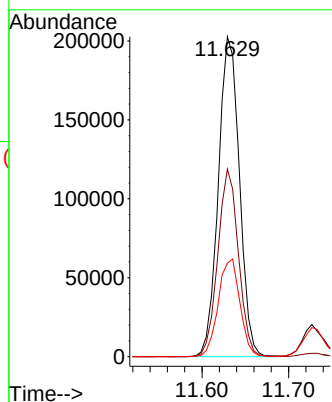
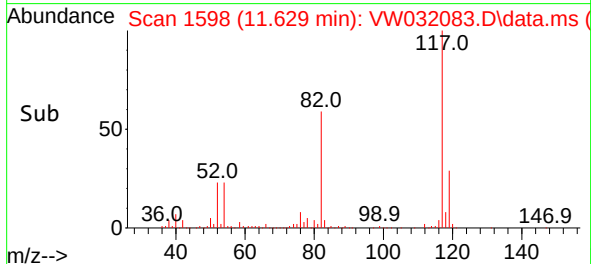


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW032083.D
Acq: 14 Aug 2025 10:58

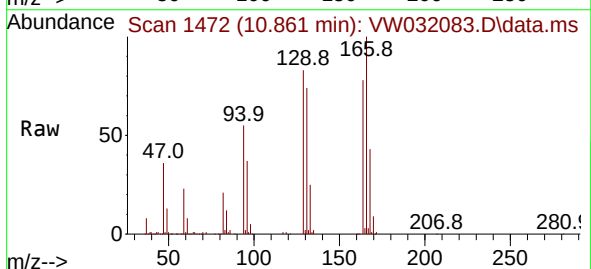
Instrument :
MSVOA_W
ClientSampleId :
VW0814SBSD01



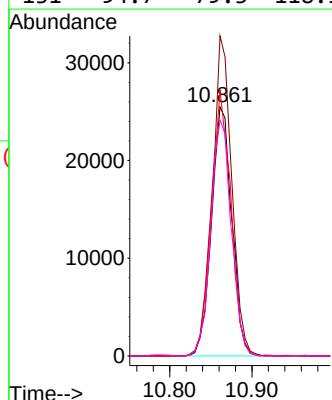
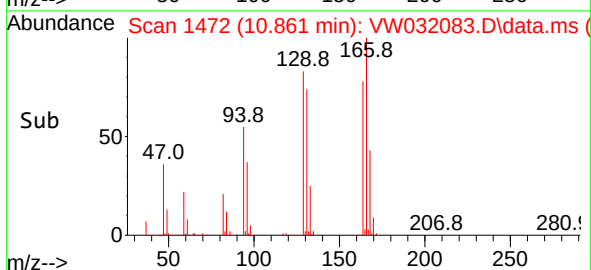
Tgt Ion:117 Resp: 343089
Ion Ratio Lower Upper
117 100
82 58.6 45.0 67.4
119 29.2 24.2 36.4

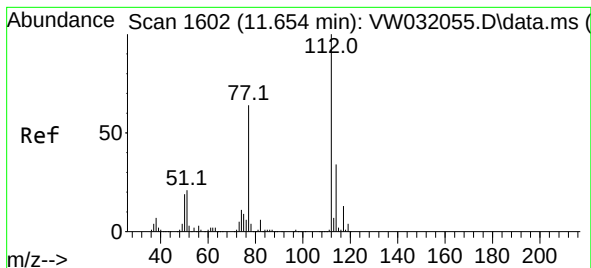


#64
Tetrachloroethene
Concen: 22.056 ug/l
RT: 10.861 min Scan# 1472
Delta R.T. -0.006 min
Lab File: VW032083.D
Acq: 14 Aug 2025 10:58



Tgt Ion:164 Resp: 43709
Ion Ratio Lower Upper
164 100
166 128.5 100.9 151.3
129 106.7 83.6 125.4
131 94.7 79.3 118.9

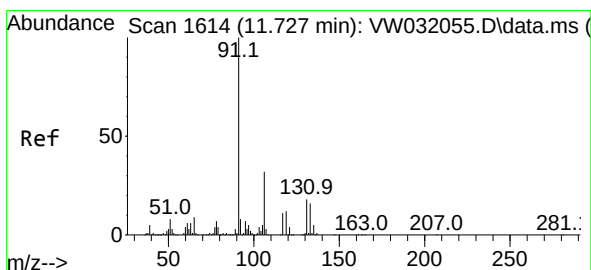
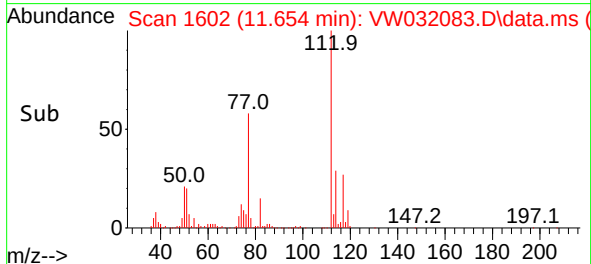
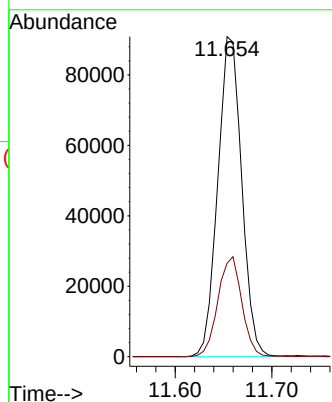
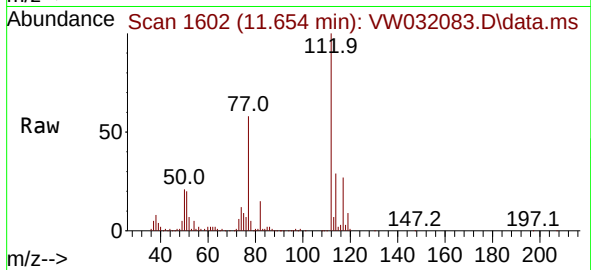




#65
Chlorobenzene
Concen: 20.880 ug/l
RT: 11.654 min Scan# 111
Delta R.T. -0.000 min
Lab File: VW032083.D
Acq: 14 Aug 2025 10:58

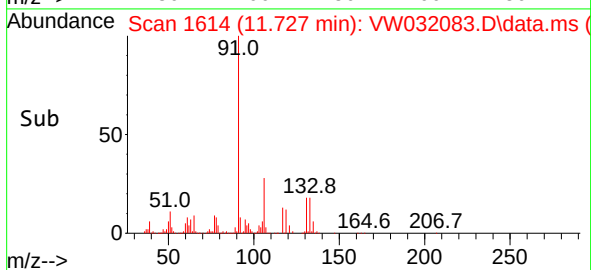
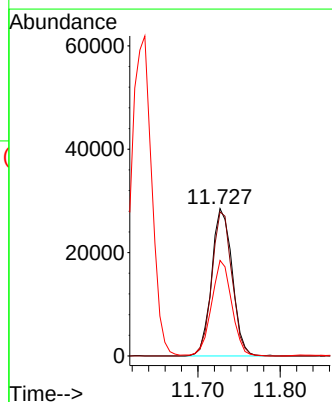
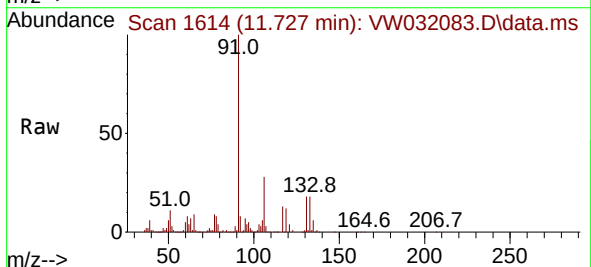
Instrument :
MSVOA_W
ClientSampleId :
VW0814SBSD01

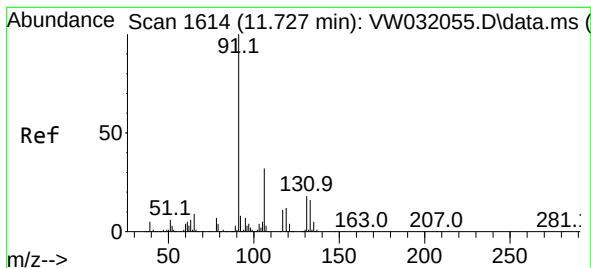
Tgt Ion:112 Resp: 155926
Ion Ratio Lower Upper
112 100
114 29.2 26.9 40.3



#66
1,1,1,2-Tetrachloroethane
Concen: 21.380 ug/l
RT: 11.727 min Scan# 1614
Delta R.T. -0.000 min
Lab File: VW032083.D
Acq: 14 Aug 2025 10:58

Tgt Ion:131 Resp: 49815
Ion Ratio Lower Upper
131 100
133 95.6 47.3 142.0
119 63.5 34.5 103.5

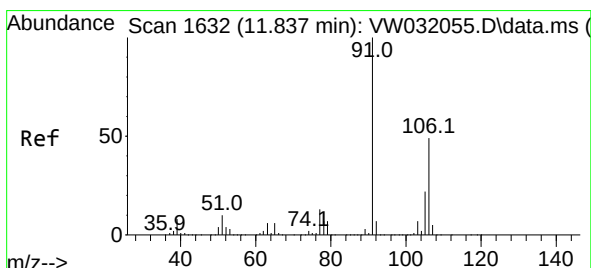
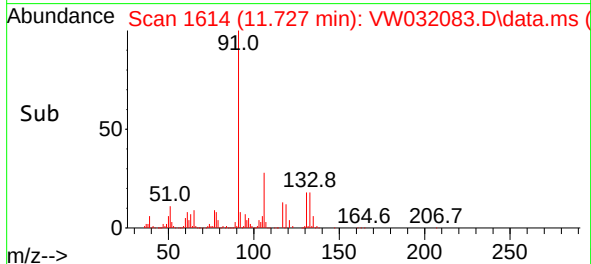
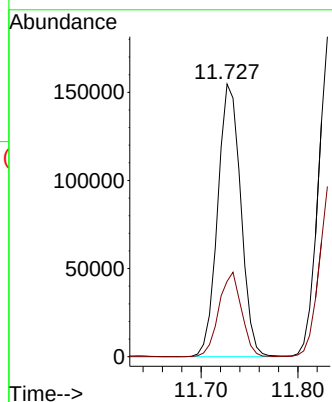
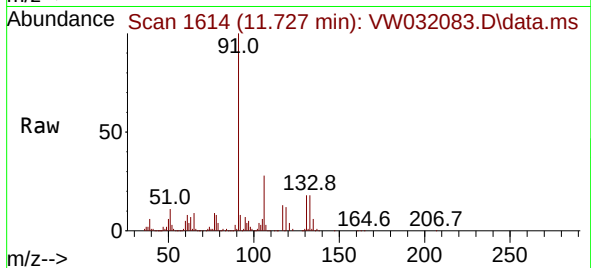




#67
Ethyl Benzene
Concen: 20.251 ug/l
RT: 11.727 min Scan# 1614
Delta R.T. -0.000 min
Lab File: VW032083.D
Acq: 14 Aug 2025 10:58

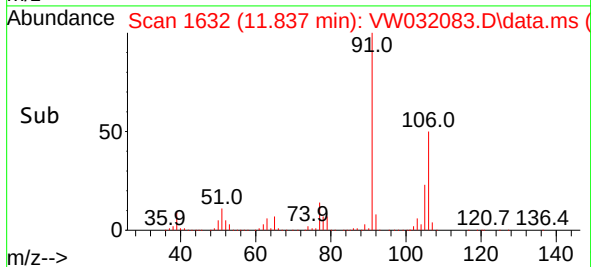
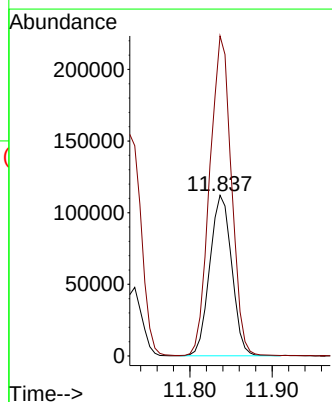
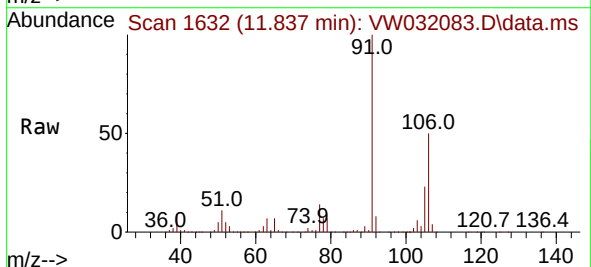
Instrument :
MSVOA_W
ClientSampleId :
VW0814SBSD01

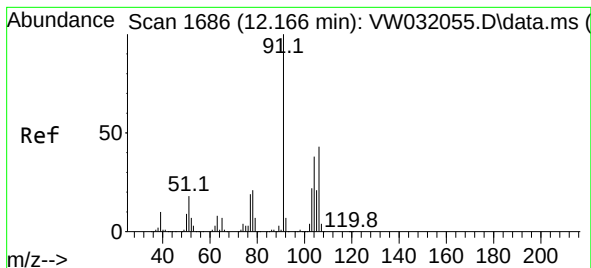
Tgt Ion: 91 Resp: 256167
Ion Ratio Lower Upper
91 100
106 27.6 25.4 38.0



#68
m/p-Xylenes
Concen: 42.582 ug/l
RT: 11.837 min Scan# 1632
Delta R.T. -0.000 min
Lab File: VW032083.D
Acq: 14 Aug 2025 10:58

Tgt Ion: 106 Resp: 207846
Ion Ratio Lower Upper
106 100
91 197.5 162.2 243.2





#69

o-Xylene

Concen: 21.160 ug/l

RT: 12.160 min Scan# 1

Delta R.T. -0.006 min

Lab File: VW032083.D

Acq: 14 Aug 2025 10:58

Instrument :

MSVOA_W

ClientSampleId :

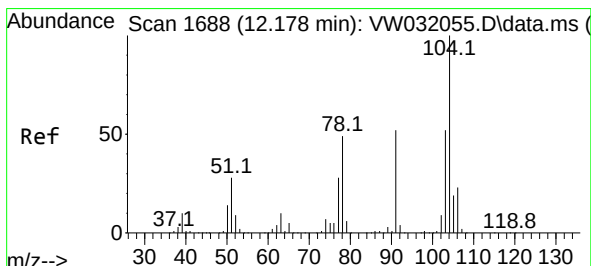
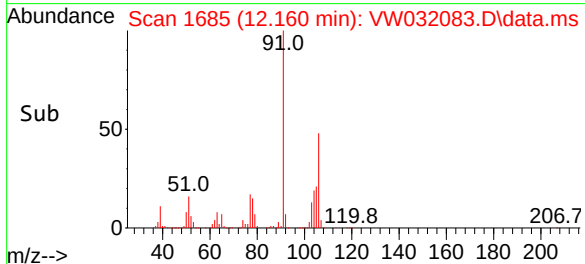
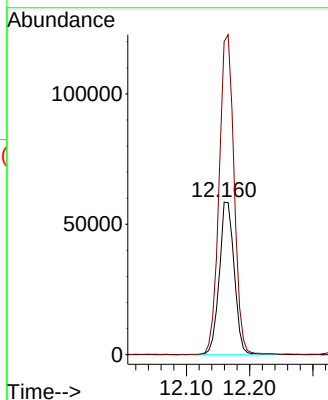
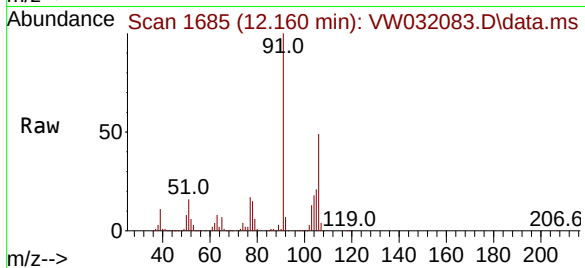
VW0814SBS01

Tgt Ion:106 Resp: 95460

Ion Ratio Lower Upper

106 100

91 211.0 110.8 332.3



#70

Styrene

Concen: 20.463 ug/l

RT: 12.178 min Scan# 1688

Delta R.T. -0.000 min

Lab File: VW032083.D

Acq: 14 Aug 2025 10:58

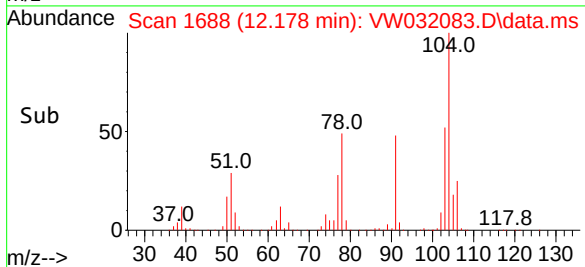
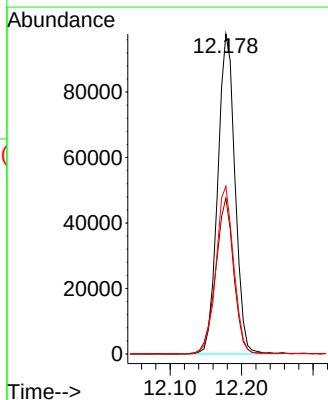
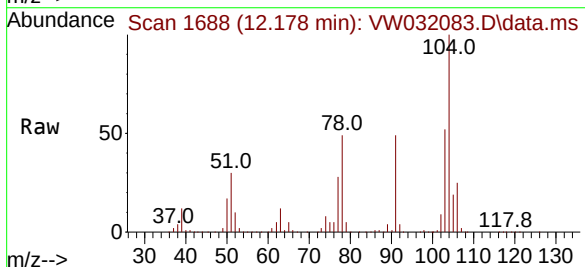
Tgt Ion:104 Resp: 163976

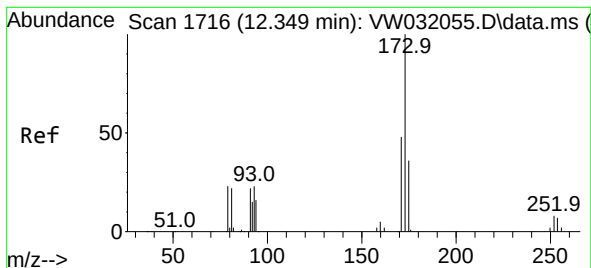
Ion Ratio Lower Upper

104 100

78 51.1 41.2 61.8

103 53.7 43.8 65.8





#71

Bromoform

Concen: 21.543 ug/l

RT: 12.349 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW032083.D

Acq: 14 Aug 2025 10:58

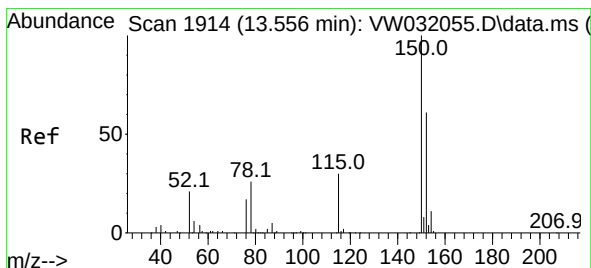
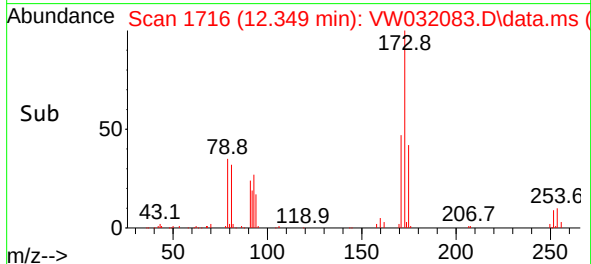
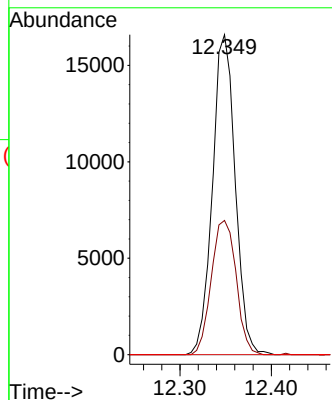
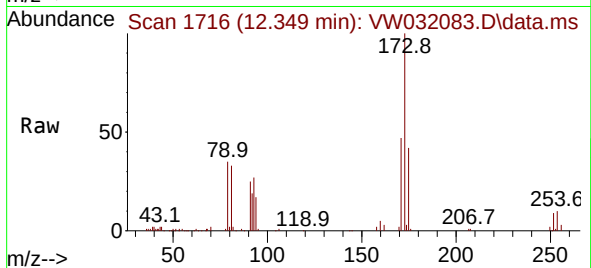
Instrument :

MSVOA_W

ClientSampleId :

VW0814SBSD01

Tgt Ion:173	Resp:	28712
Ion Ratio	Lower	Upper
173	100	
175	45.7	22.9 68.7
254	0.0	0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

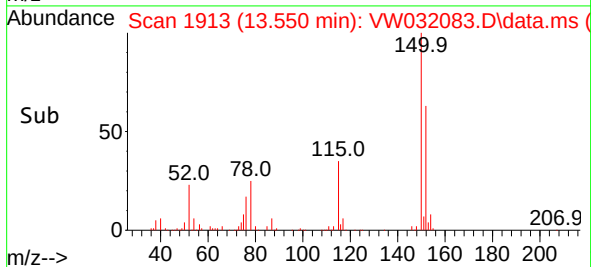
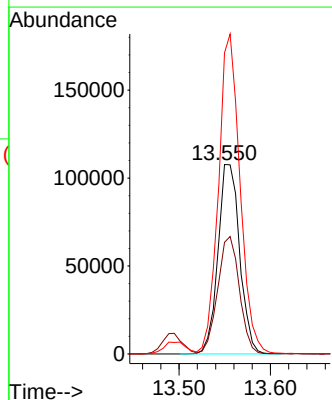
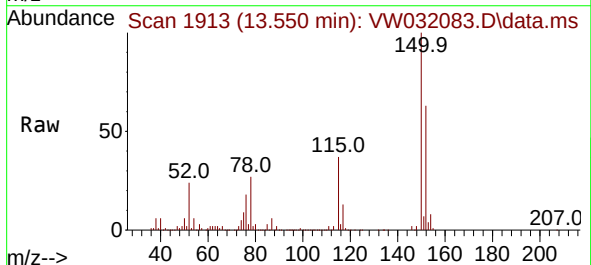
RT: 13.550 min Scan# 1913

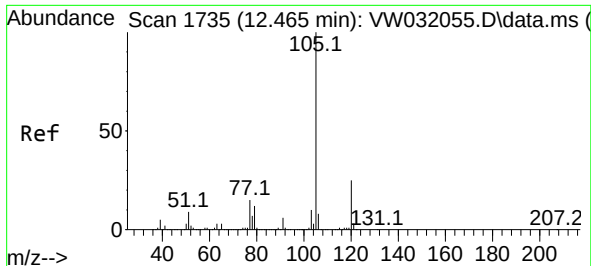
Delta R.T. -0.006 min

Lab File: VW032083.D

Acq: 14 Aug 2025 10:58

Tgt Ion:152	Resp:	177605
Ion Ratio	Lower	Upper
152	100	
115	62.3	32.6 97.8
150	167.8	0.0 359.4

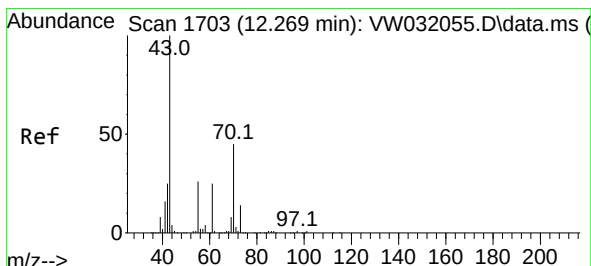
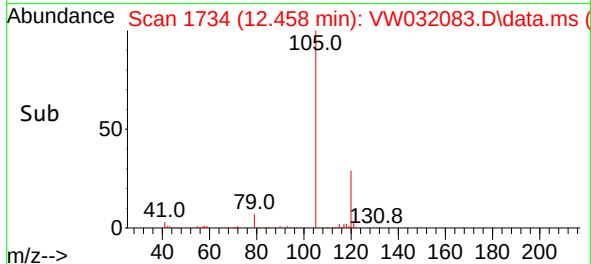
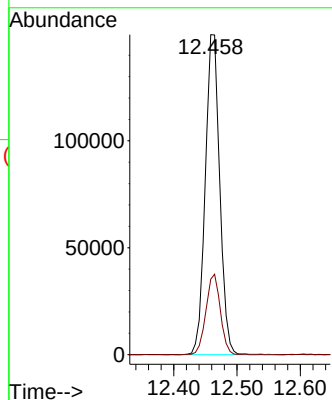
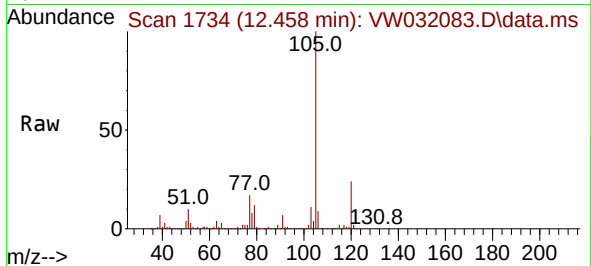




#73
Isopropylbenzene
Concen: 19.223 ug/l
RT: 12.458 min Scan# 1735
Delta R.T. -0.006 min
Lab File: VW032083.D
Acq: 14 Aug 2025 10:58

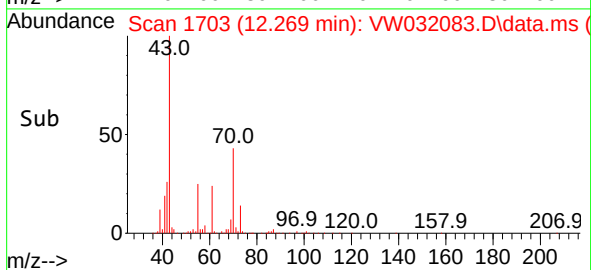
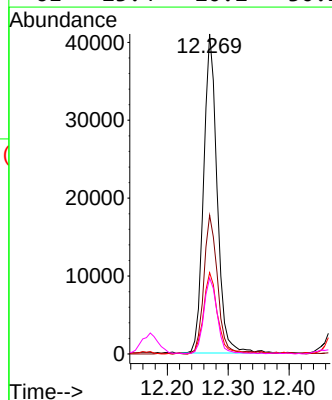
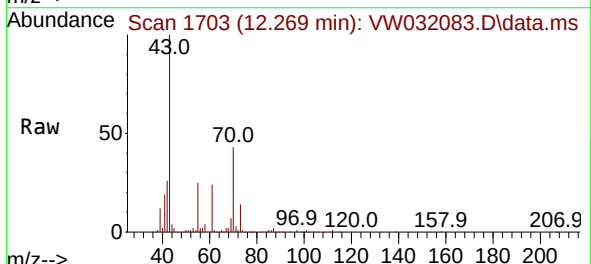
Instrument :
MSVOA_W
ClientSampleId :
VW0814SBS01

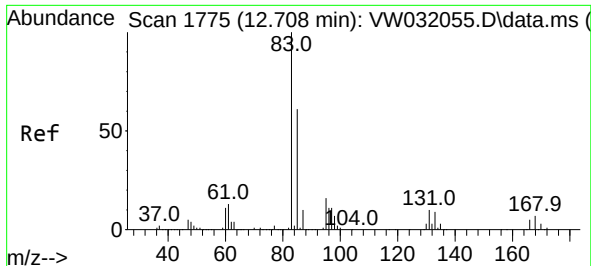
Tgt Ion:105 Resp: 238599
Ion Ratio Lower Upper
105 100
120 25.1 12.8 38.4



#74
N-ethyl acetate
Concen: 17.822 ug/l
RT: 12.269 min Scan# 1703
Delta R.T. -0.000 min
Lab File: VW032083.D
Acq: 14 Aug 2025 10:58

Tgt Ion: 43 Resp: 63466
Ion Ratio Lower Upper
43 100
70 43.4 37.0 55.4
55 26.4 21.1 31.7
61 23.4 20.2 30.2

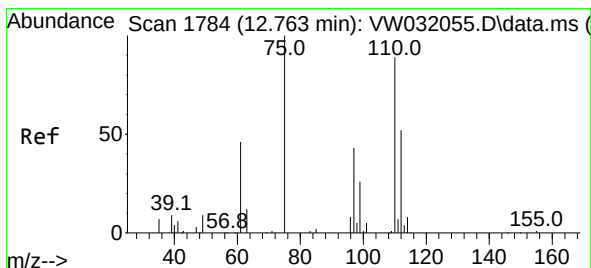
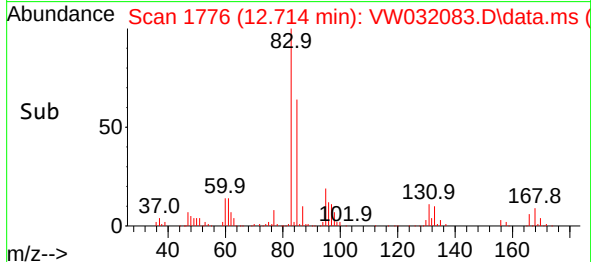
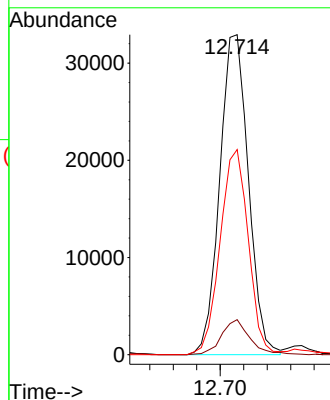
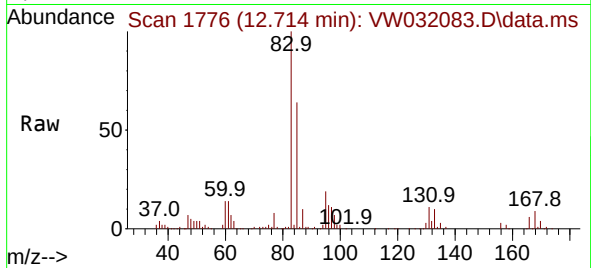




#75
1,1,2,2-Tetrachloroethane
Concen: 18.959 ug/l
RT: 12.714 min Scan# 1776
Delta R.T. 0.006 min
Lab File: VW032083.D
Acq: 14 Aug 2025 10:58

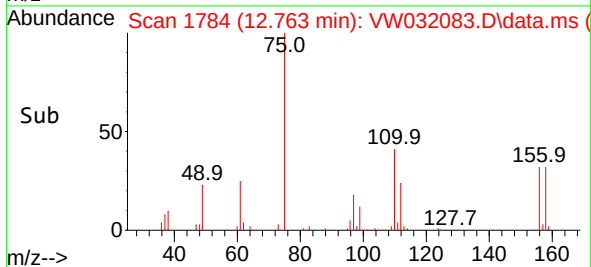
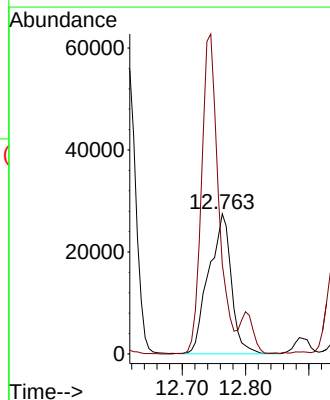
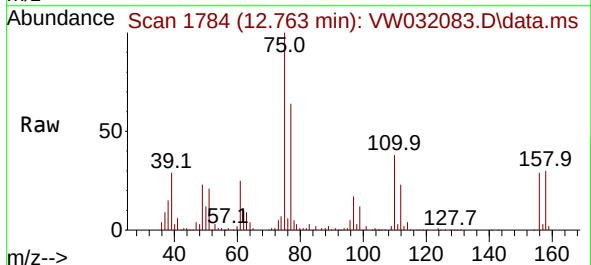
Instrument :
MSVOA_W
ClientSampleId :
VW0814SBSD01

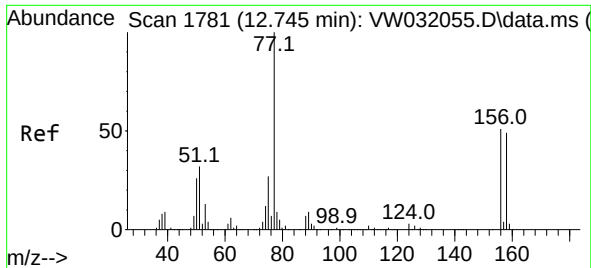
Tgt Ion: 83 Resp: 55872
Ion Ratio Lower Upper
83 100
131 10.8 5.1 15.4
85 63.0 32.2 96.6



#76
1,2,3-Trichloropropane
Concen: 28.190 ug/l
RT: 12.763 min Scan# 1784
Delta R.T. -0.000 min
Lab File: VW032083.D
Acq: 14 Aug 2025 10:58

Tgt Ion: 75 Resp: 67951
Ion Ratio Lower Upper
75 100
77 172.6 123.5 370.5

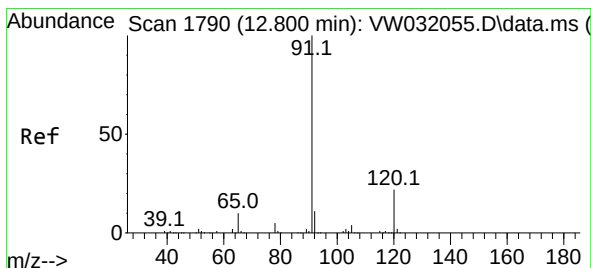
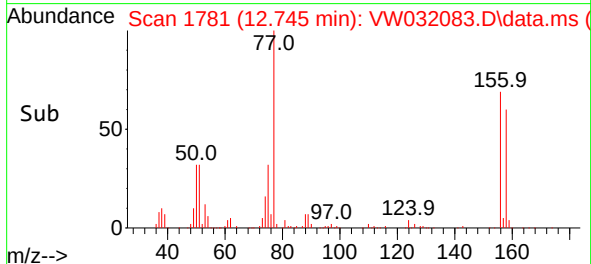
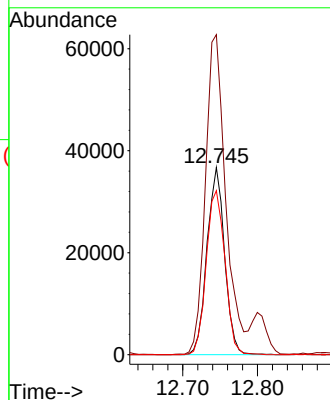
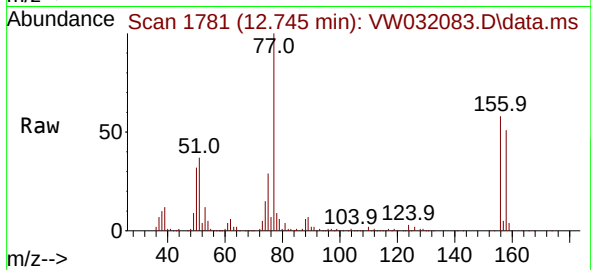




#77
Bromobenzene
Concen: 20.310 ug/l
RT: 12.745 min Scan# 1781
Delta R.T. -0.000 min
Lab File: VW032083.D
Acq: 14 Aug 2025 10:58

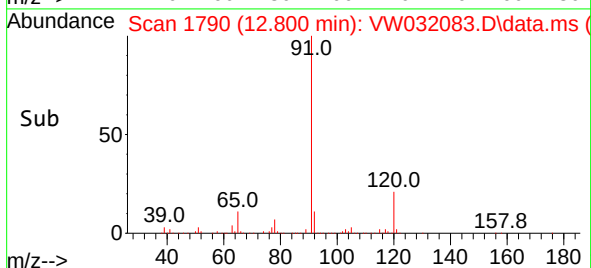
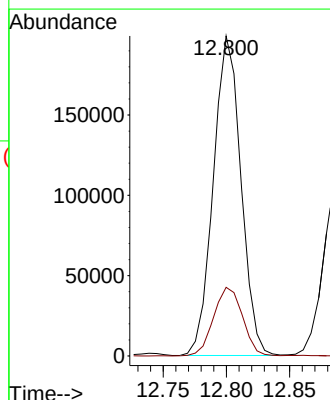
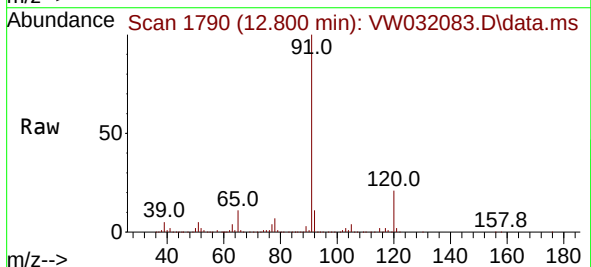
Instrument :
MSVOA_W
ClientSampleId :
VW0814SBSD01

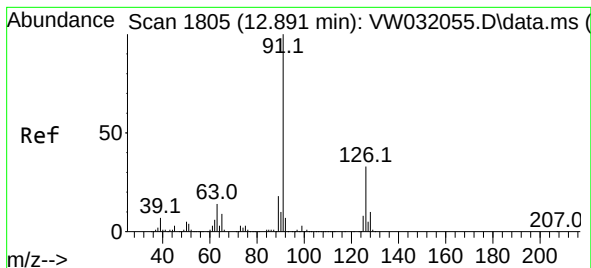
Tgt Ion	Resp	Lower	Upper
156	60209		
Ion Ratio			
156	100		
77	194.8	108.7	326.3
158	93.1	48.3	144.9



#78
n-propylbenzene
Concen: 19.766 ug/l
RT: 12.800 min Scan# 1790
Delta R.T. -0.000 min
Lab File: VW032083.D
Acq: 14 Aug 2025 10:58

Tgt Ion	Resp	Lower	Upper
91	302042		
Ion Ratio			
91	100		
120	22.5	11.1	33.3

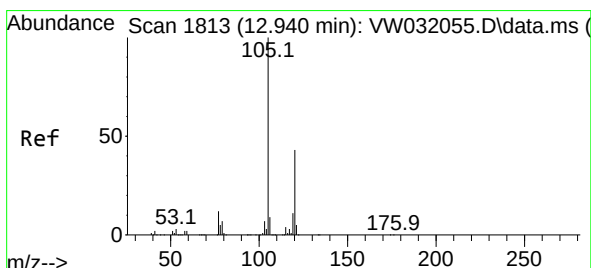
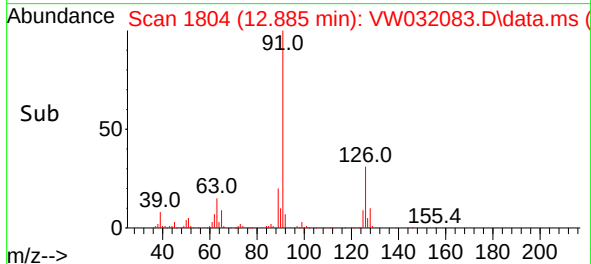
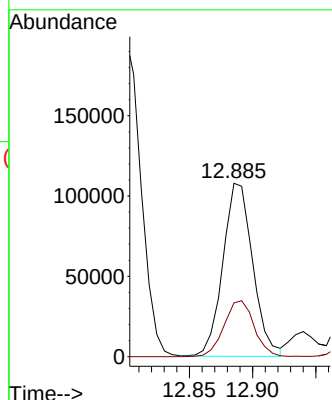
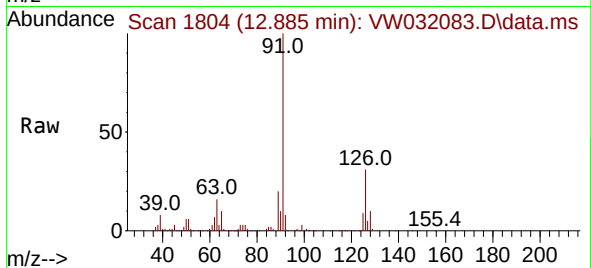




#79
2-Chlorotoluene
Concen: 18.805 ug/l
RT: 12.885 min Scan# 1804
Delta R.T. -0.006 min
Lab File: VW032083.D
Acq: 14 Aug 2025 10:58

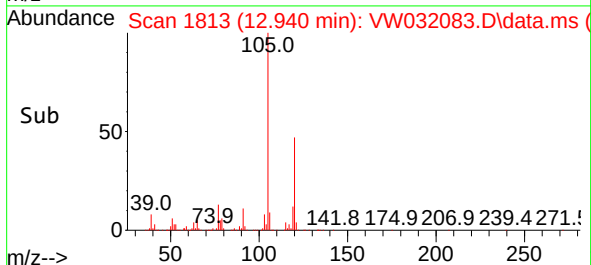
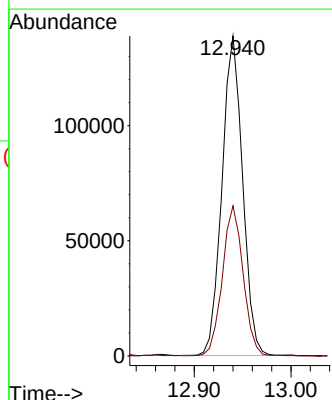
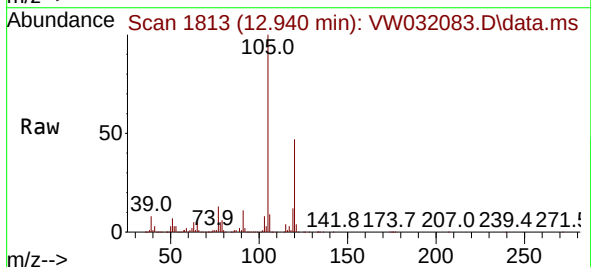
Instrument :
MSVOA_W
ClientSampleId :
VW0814SBS01

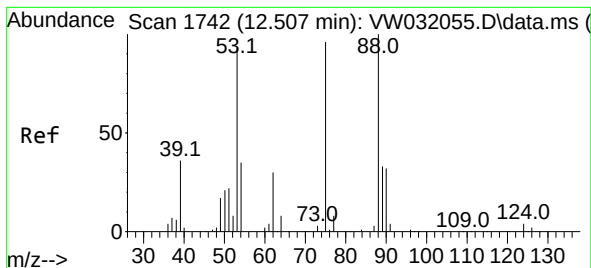
Tgt Ion: 91 Resp: 177356
Ion Ratio Lower Upper
91 100
126 32.7 15.9 47.7



#80
1,3,5-Trimethylbenzene
Concen: 19.461 ug/l
RT: 12.940 min Scan# 1813
Delta R.T. -0.000 min
Lab File: VW032083.D
Acq: 14 Aug 2025 10:58

Tgt Ion: 105 Resp: 205070
Ion Ratio Lower Upper
105 100
120 47.4 23.4 70.0

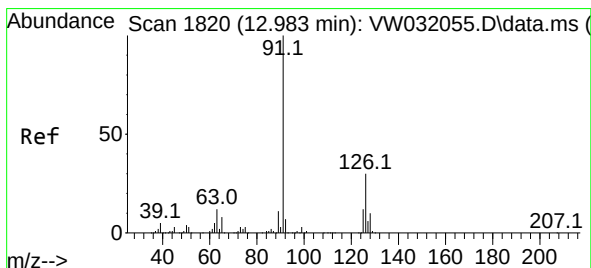
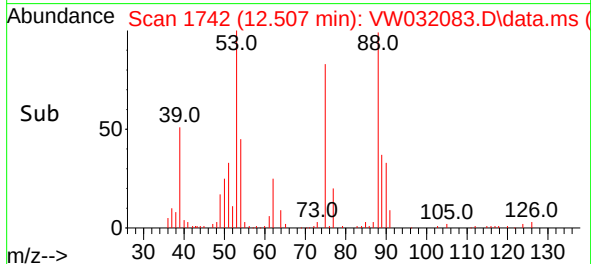
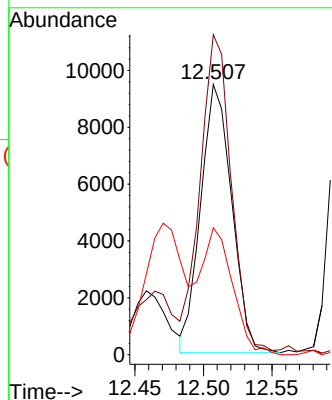
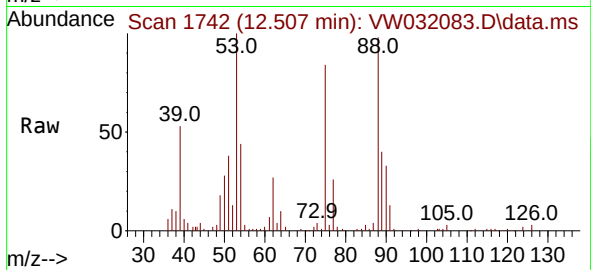




#81
trans-1,4-Dichloro-2-butene
Concen: 15.953 ug/l
RT: 12.507 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032083.D
Acq: 14 Aug 2025 10:58

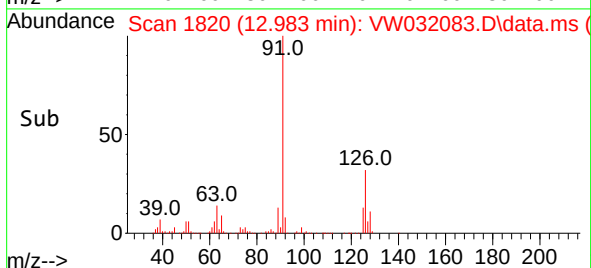
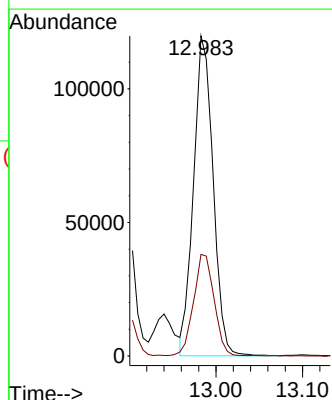
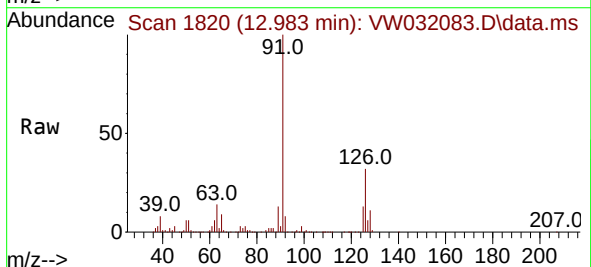
Instrument :
MSVOA_W
ClientSampleId :
VW0814SBSD01

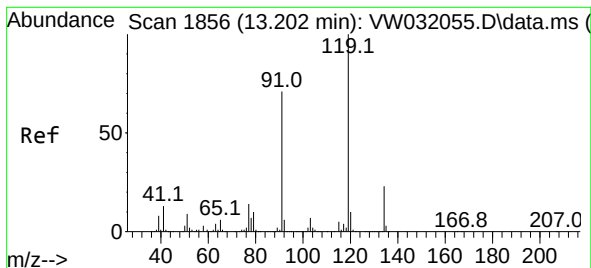
Tgt Ion: 75 Resp: 14854
Ion Ratio Lower Upper
75 100
53 116.8 81.0 121.6
89 49.6 37.3 55.9



#82
4-Chlorotoluene
Concen: 18.722 ug/l
RT: 12.983 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VW032083.D
Acq: 14 Aug 2025 10:58

Tgt Ion: 91 Resp: 187599
Ion Ratio Lower Upper
91 100
126 33.4 15.5 46.5

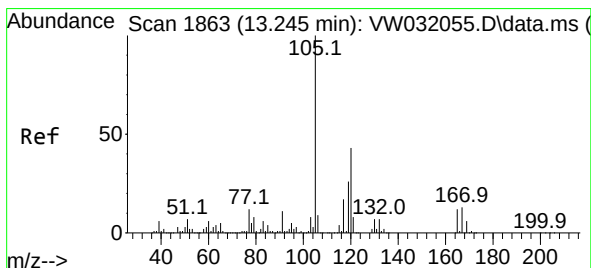
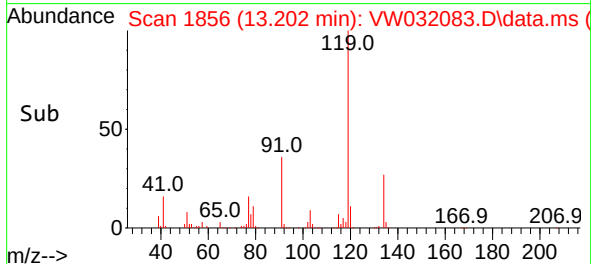
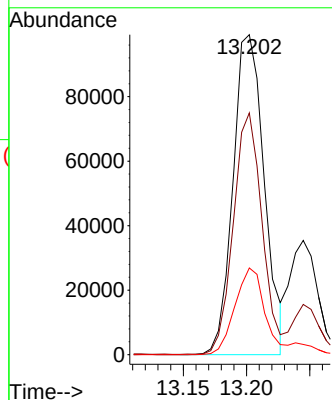
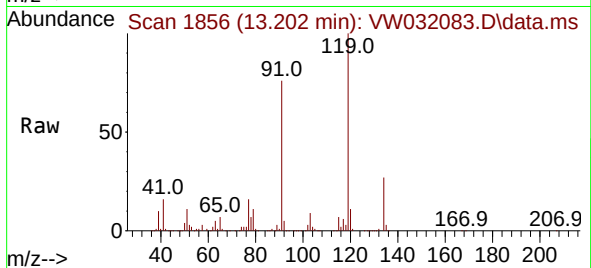




#83
tert-Butylbenzene
Concen: 19.459 ug/l
RT: 13.202 min Scan# 1856
Delta R.T. -0.000 min
Lab File: VW032083.D
Acq: 14 Aug 2025 10:58

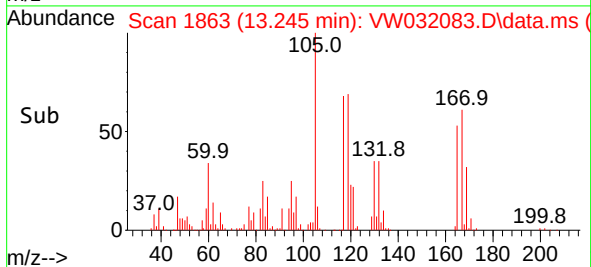
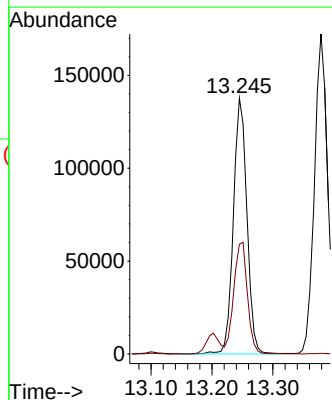
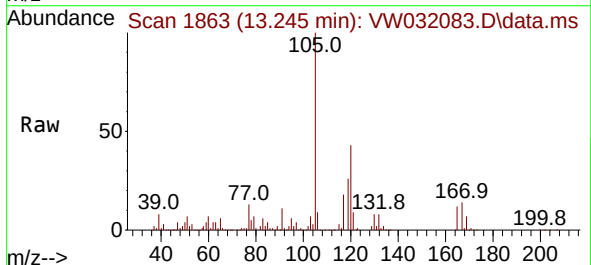
Instrument :
MSVOA_W
ClientSampleId :
VW0814SBSD01

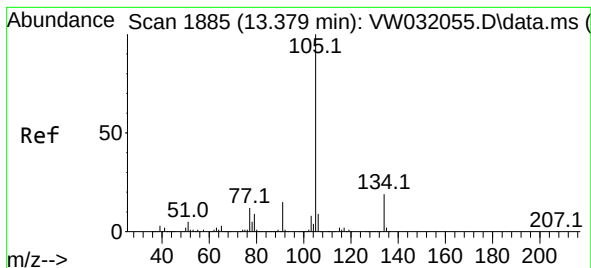
Tgt Ion:119 Resp: 170175
Ion Ratio Lower Upper
119 100
91 69.3 35.3 105.9
134 26.0 12.1 36.3



#84
1,2,4-Trimethylbenzene
Concen: 19.825 ug/l
RT: 13.245 min Scan# 1863
Delta R.T. -0.000 min
Lab File: VW032083.D
Acq: 14 Aug 2025 10:58

Tgt Ion:105 Resp: 212657
Ion Ratio Lower Upper
105 100
120 44.0 21.6 64.8

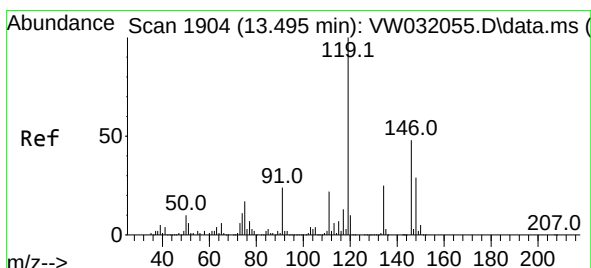
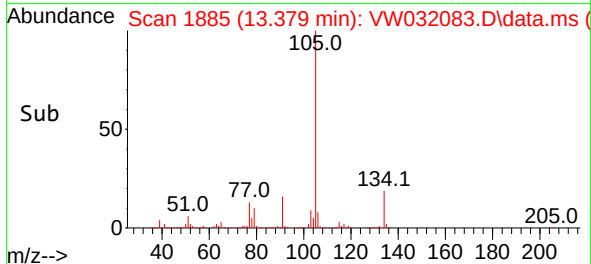
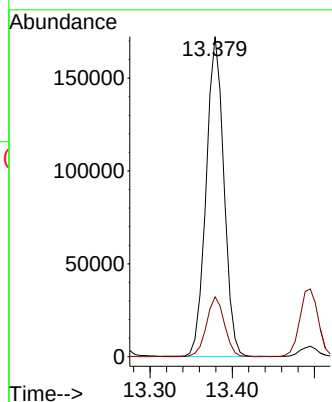
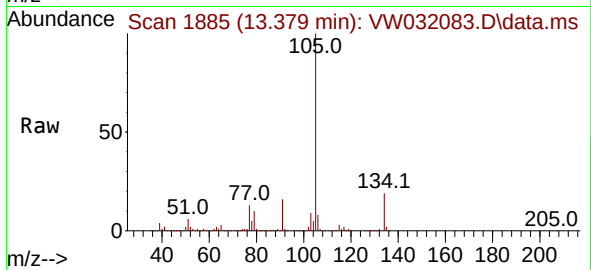




#85
 sec-Butylbenzene
 Concen: 19.547 ug/l
 RT: 13.379 min Scan# 1885
 Delta R.T. -0.000 min
 Lab File: VW032083.D
 Acq: 14 Aug 2025 10:58

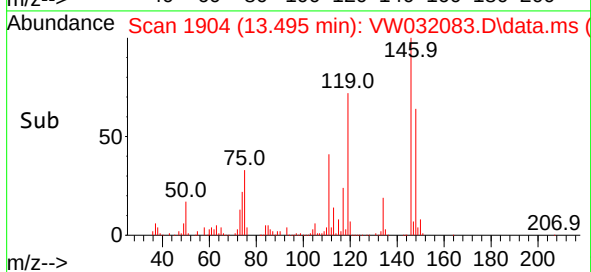
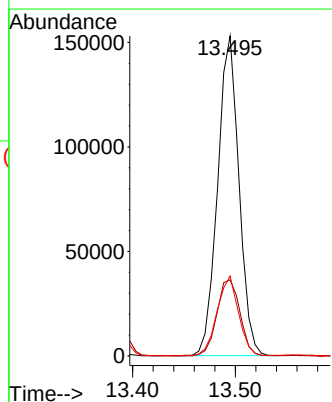
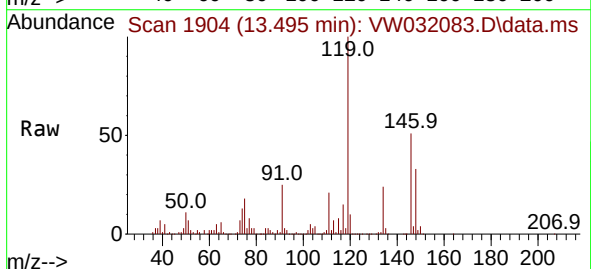
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0814SBSD01

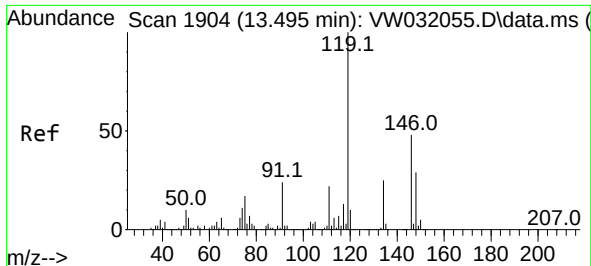
Tgt Ion:105 Resp: 258452
 Ion Ratio Lower Upper
 105 100
 134 19.0 9.9 29.7



#86
 p-Isopropyltoluene
 Concen: 19.978 ug/l
 RT: 13.495 min Scan# 1904
 Delta R.T. -0.000 min
 Lab File: VW032083.D
 Acq: 14 Aug 2025 10:58

Tgt Ion:119 Resp: 220215
 Ion Ratio Lower Upper
 119 100
 134 25.8 12.4 37.0
 91 25.0 12.1 36.3





#87

1,3-Dichlorobenzene

Concen: 21.202 ug/l

RT: 13.495 min Scan# 1904

Delta R.T. -0.000 min

Lab File: VW032083.D

Acq: 14 Aug 2025 10:58

Instrument :

MSVOA_W

ClientSampleId :

VW0814SBS01

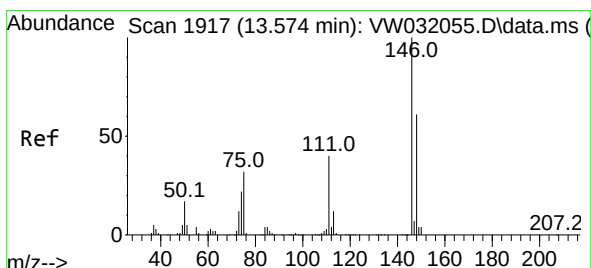
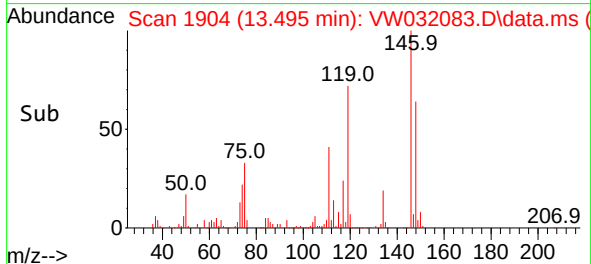
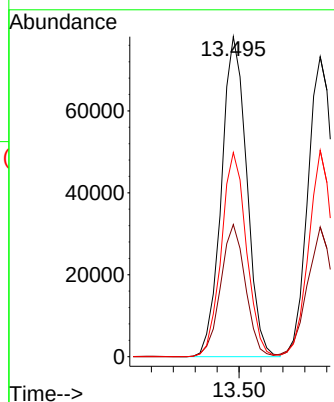
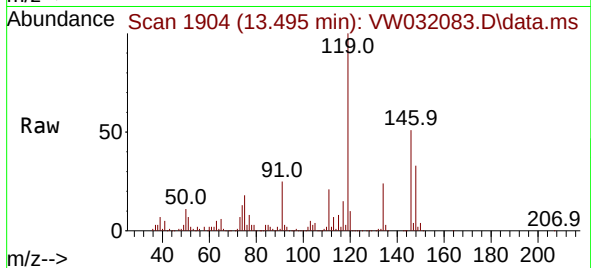
Tgt Ion:146 Resp: 125068

Ion Ratio Lower Upper

146 100

111 40.5 21.2 63.6

148 63.3 30.3 90.8



#88

1,4-Dichlorobenzene

Concen: 20.094 ug/l

RT: 13.574 min Scan# 1917

Delta R.T. -0.000 min

Lab File: VW032083.D

Acq: 14 Aug 2025 10:58

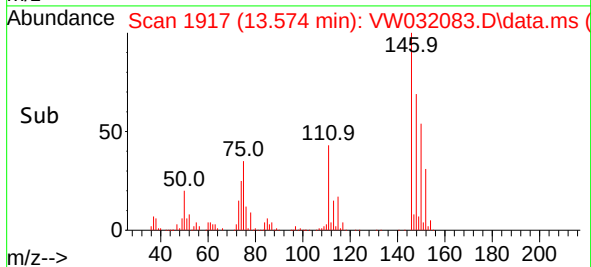
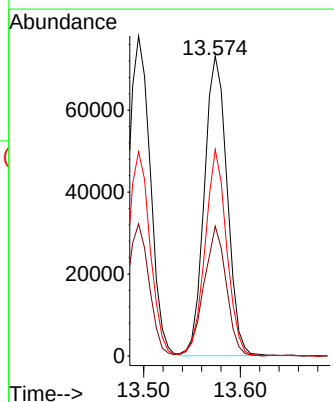
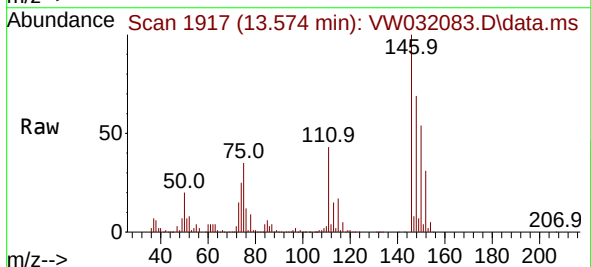
Tgt Ion:146 Resp: 119783

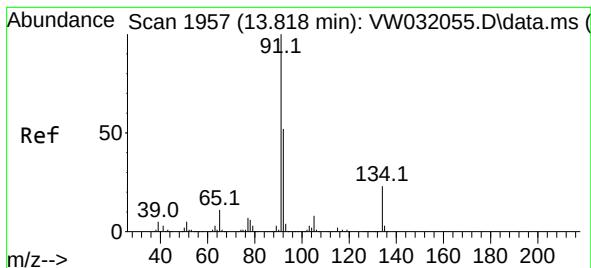
Ion Ratio Lower Upper

146 100

111 42.6 21.6 64.6

148 65.0 32.0 96.2





#89

n-Butylbenzene

Concen: 19.344 ug/l

RT: 13.818 min Scan# 1957

Delta R.T. -0.000 min

Lab File: VW032083.D

Acq: 14 Aug 2025 10:58

Instrument :

MSVOA_W

ClientSampleId :

VW0814SBSD01

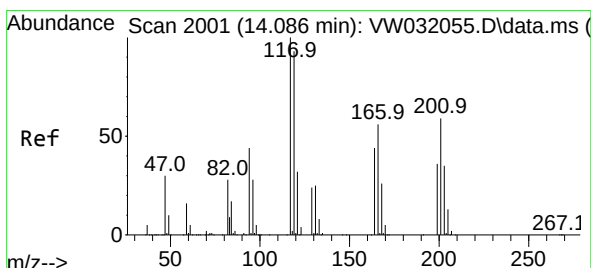
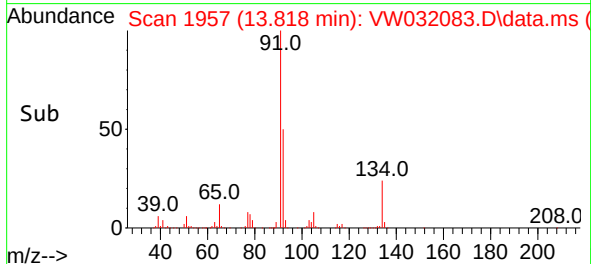
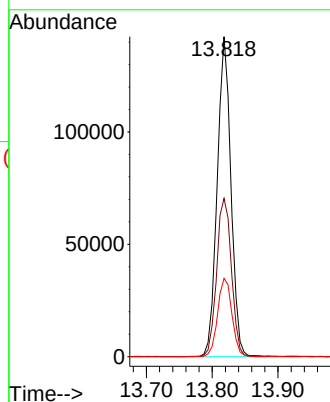
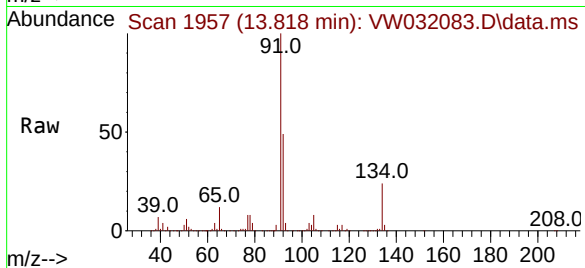
Tgt Ion: 91 Resp: 207148

Ion Ratio Lower Upper

91 100

92 53.1 26.7 80.1

134 25.5 12.0 36.1



#90

Hexachloroethane

Concen: 19.640 ug/l

RT: 14.086 min Scan# 2001

Delta R.T. -0.000 min

Lab File: VW032083.D

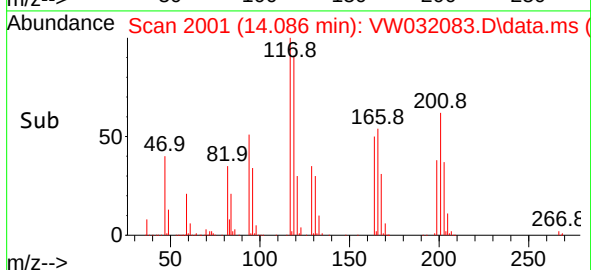
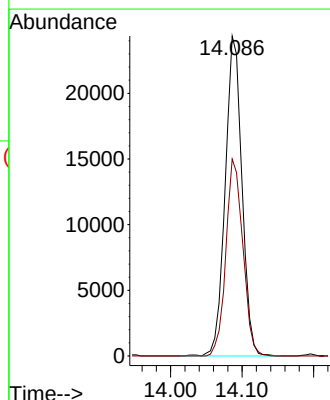
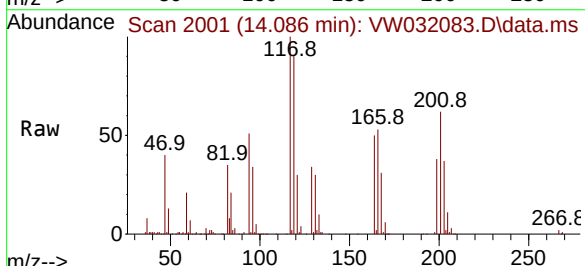
Acq: 14 Aug 2025 10:58

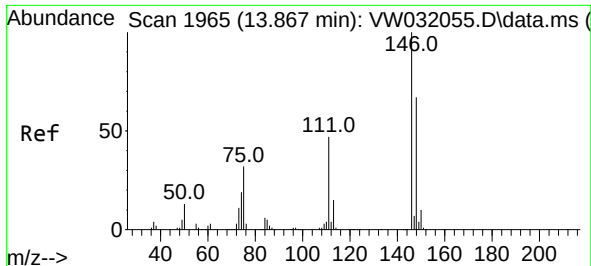
Tgt Ion: 117 Resp: 39591

Ion Ratio Lower Upper

117 100

201 62.3 30.9 92.5

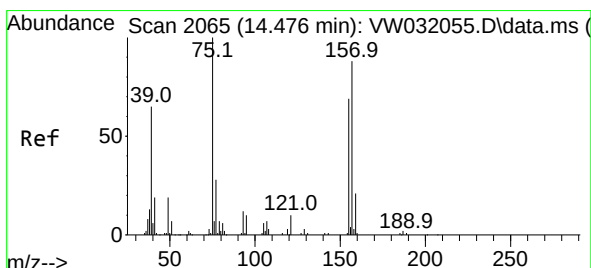
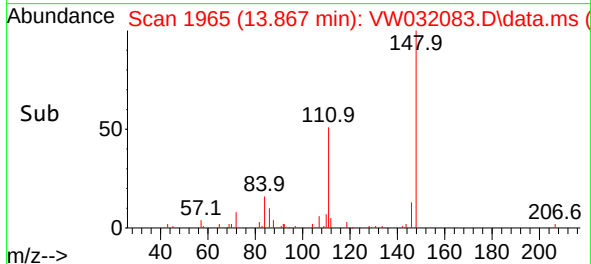
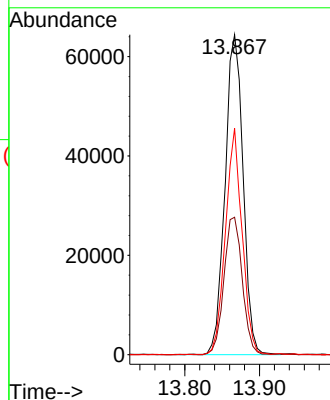
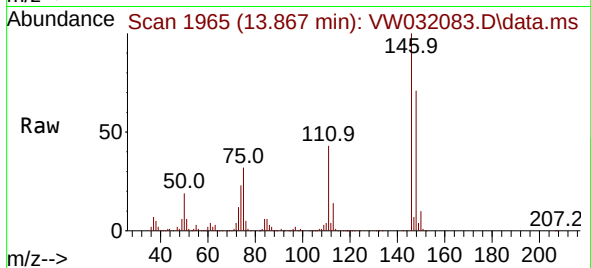




#91
1,2-Dichlorobenzene
Concen: 20.266 ug/l
RT: 13.867 min Scan# 1965
Delta R.T. -0.000 min
Lab File: VW032083.D
Acq: 14 Aug 2025 10:58

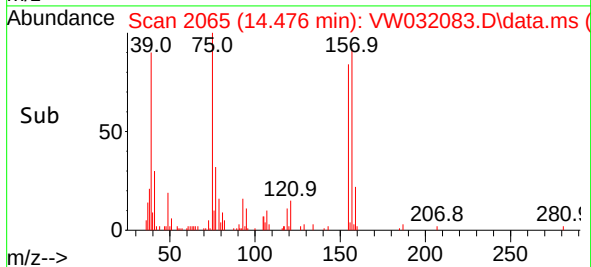
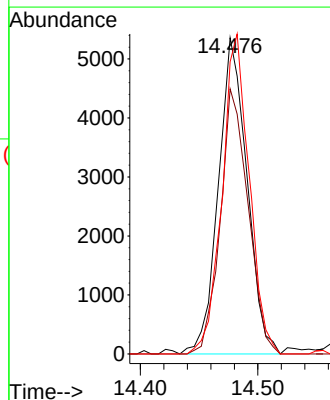
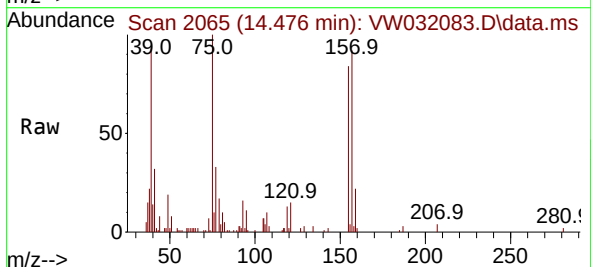
Instrument :
MSVOA_W
ClientSampleId :
VW0814SBSD01

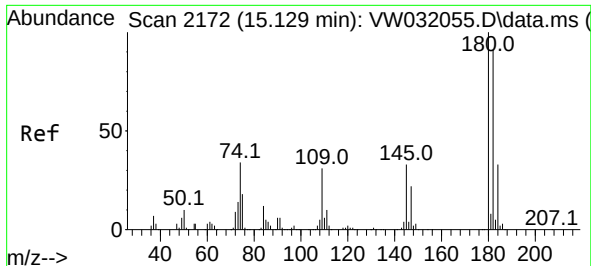
Tgt Ion:146 Resp: 108294
Ion Ratio Lower Upper
146 100
111 43.3 23.1 69.3
148 65.1 32.9 98.6



#92
1,2-Dibromo-3-Chloropropane
Concen: 17.310 ug/l
RT: 14.476 min Scan# 2065
Delta R.T. -0.000 min
Lab File: VW032083.D
Acq: 14 Aug 2025 10:58

Tgt Ion: 75 Resp: 9069
Ion Ratio Lower Upper
75 100
155 81.2 35.2 105.6
157 95.9 47.5 142.6

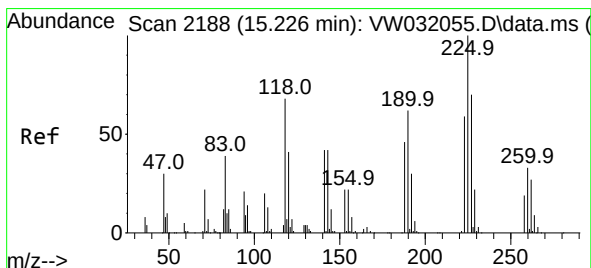
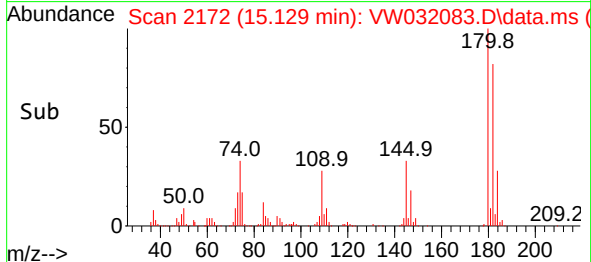
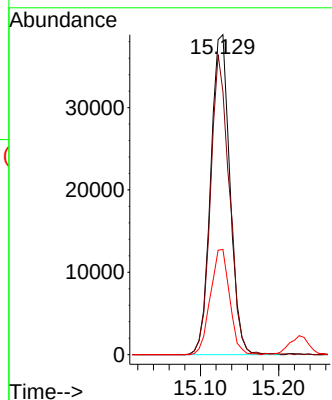
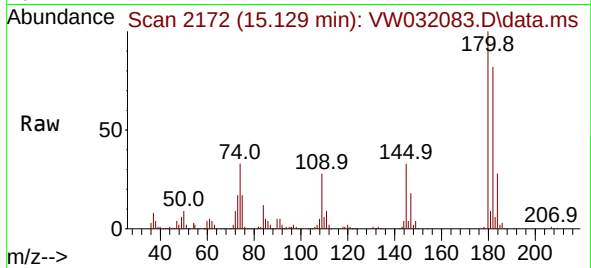




#93
1,2,4-Trichlorobenzene
Concen: 20.701 ug/l
RT: 15.129 min Scan# 2172
Delta R.T. -0.000 min
Lab File: VW032083.D
Acq: 14 Aug 2025 10:58

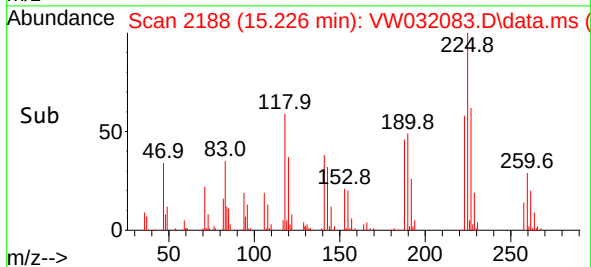
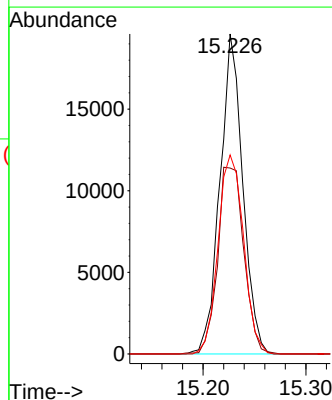
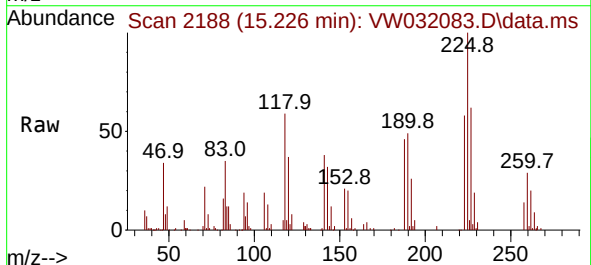
Instrument :
MSVOA_W
ClientSampleId :
VW0814SBS01

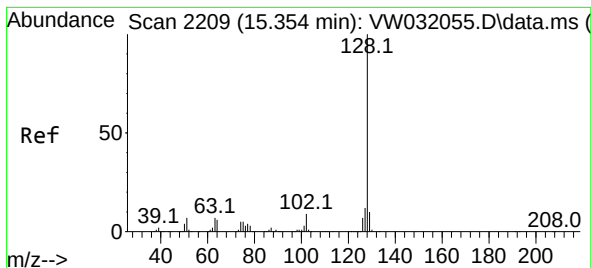
Tgt Ion:180 Resp: 66171
Ion Ratio Lower Upper
180 100
182 91.6 49.0 147.0
145 32.9 17.3 51.9



#94
Hexachlorobutadiene
Concen: 21.148 ug/l
RT: 15.226 min Scan# 2188
Delta R.T. -0.000 min
Lab File: VW032083.D
Acq: 14 Aug 2025 10:58

Tgt Ion:225 Resp: 30219
Ion Ratio Lower Upper
225 100
223 67.0 31.8 95.3
227 69.4 33.5 100.5





#95

Naphthalene

Concen: 18.719 ug/l

RT: 15.360 min Scan# 21

Delta R.T. 0.006 min

Lab File: VW032083.D

Acq: 14 Aug 2025 10:58

Instrument :

MSVOA_W

ClientSampleId :

VW0814SBS01

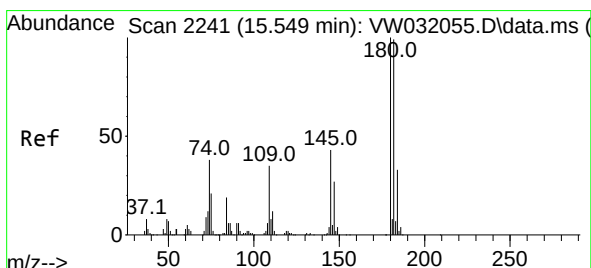
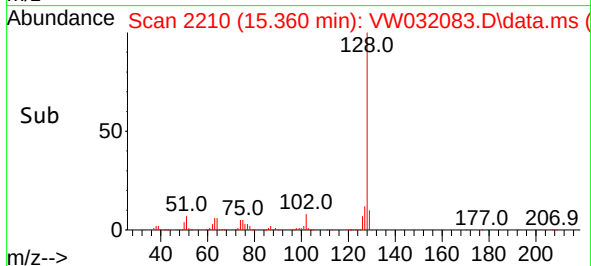
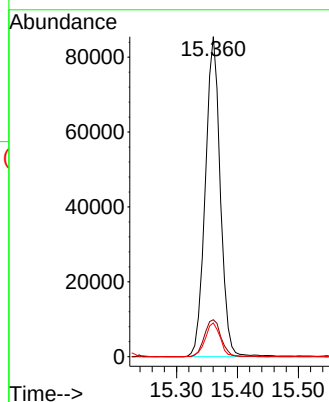
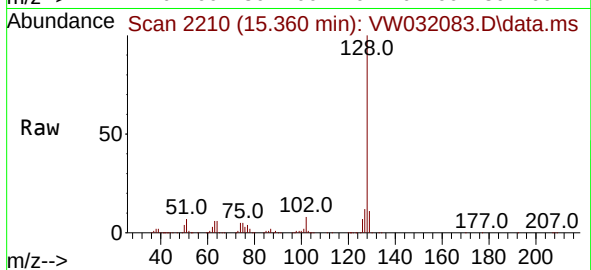
Tgt Ion:128 Resp: 146617

Ion Ratio Lower Upper

128 100

127 12.8 10.5 15.7

129 10.7 8.2 12.4



#96

1,2,3-Trichlorobenzene

Concen: 20.574 ug/l

RT: 15.549 min Scan# 2241

Delta R.T. -0.000 min

Lab File: VW032083.D

Acq: 14 Aug 2025 10:58

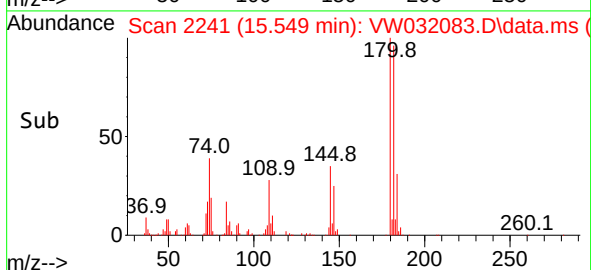
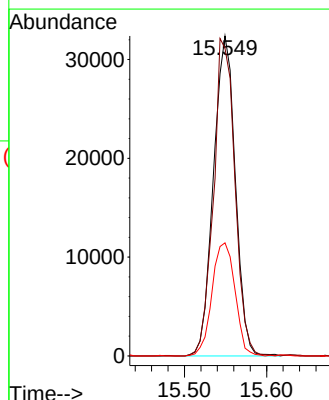
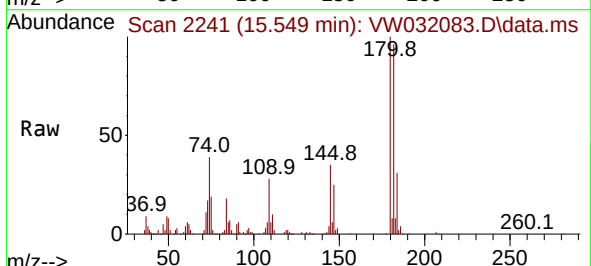
Tgt Ion:180 Resp: 59840

Ion Ratio Lower Upper

180 100

182 97.2 46.0 138.0

145 37.2 19.2 57.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
 Data File : VW032085.D
 Acq On : 14 Aug 2025 12:02
 Operator : SY/MD
 Sample : Q2820-02
 Misc : 7.92g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 82H-W

Quant Time: Aug 18 03:49:48 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 12 04:04:48 2025
 Response via : Initial Calibration

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

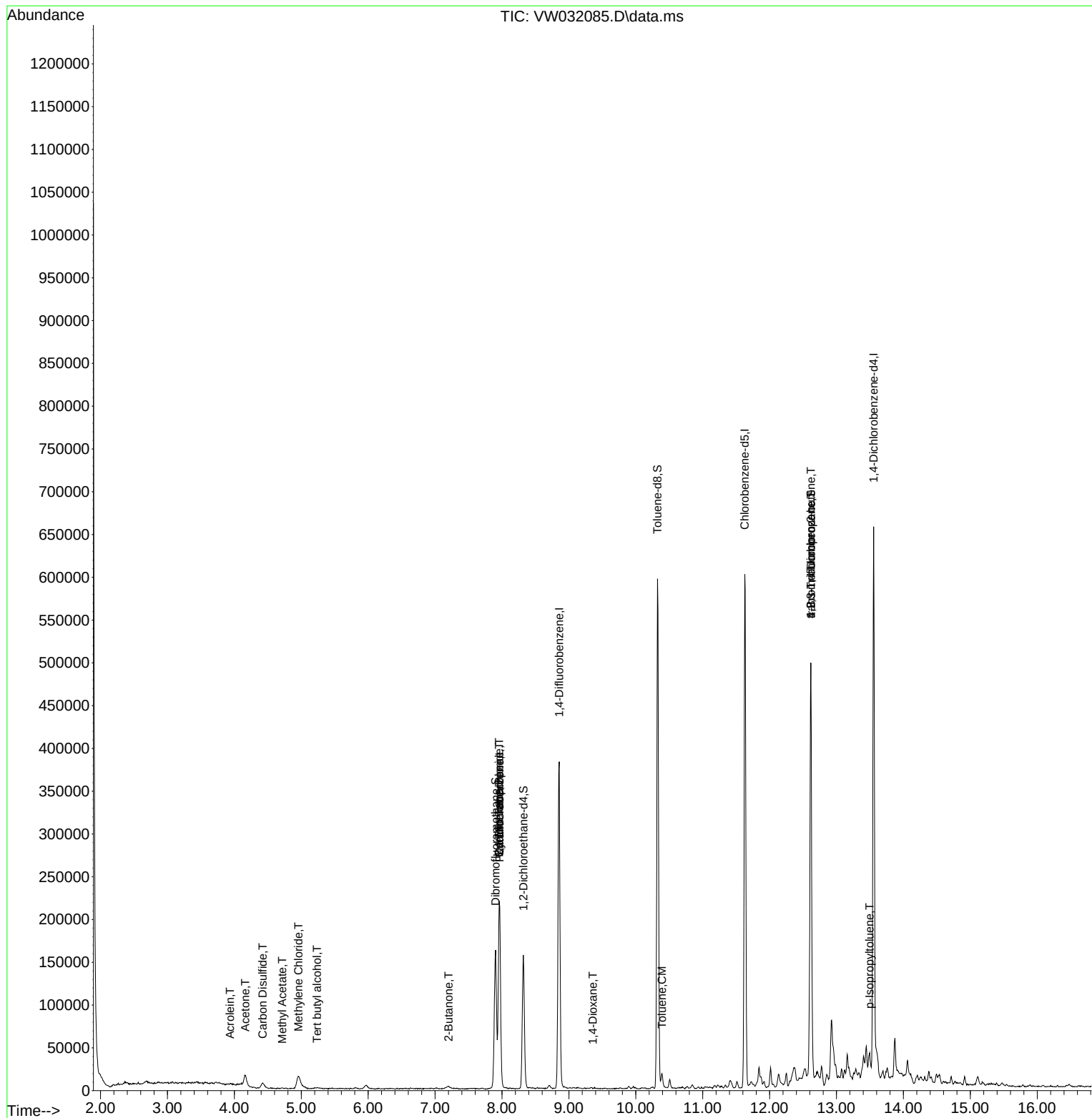
Internal Standards						
1) Pentafluorobenzene	7.965	168	150560	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	312304	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	317114	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	149119	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	126653	58.164	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	= 116.320%		
35) Dibromofluoromethane	7.904	113	111867	55.445	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	= 110.900%		
50) Toluene-d8	10.325	98	379321	50.830	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	= 101.660%		
62) 4-Bromofluorobenzene	12.617	95	141794	51.561	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	= 103.120%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.234	59	490	3.475	ug/l #	71
13) Acrolein	3.935	56	260	1.157	ug/l #	39
16) Acetone	4.161	43	20268	40.202	ug/l #	87
17) Carbon Disulfide	4.423	76	14117	2.880	ug/l	97
18) Methyl Acetate	4.716	43	1775	1.113	ug/l #	83
20) Methylene Chloride	4.960	84	13643	5.853	ug/l	95
25) 2-Butanone	7.203	43	3815	5.324	ug/l #	86
31) Cyclohexane	7.959	56	4583	1.477	ug/l #	1
36) 1,1-Dichloropropene	7.959	75	14746	5.184	ug/l #	51
38) Carbon Tetrachloride	7.959	117	17098	6.229	ug/l #	21
49) 1,4-Dioxane	9.355	88	42	2.356	ug/l #	69
52) Toluene	10.392	92	6167	1.107	ug/l	96
76) 1,2,3-Trichloropropane	12.617	75	80941	39.993	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	80941	103.537	ug/l #	9
86) p-Isopropyltoluene	13.495	119	9717	1.050	ug/l	96

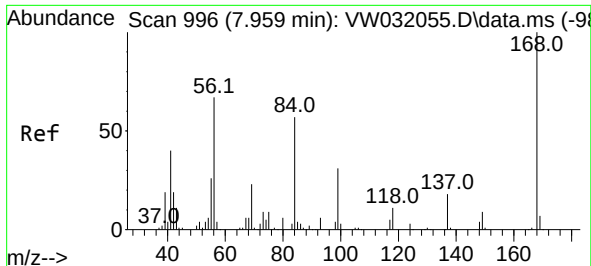
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
Data File : VW032085.D
Acq On : 14 Aug 2025 12:02
Operator : SY/MD
Sample : Q2820-02
Misc : 7.92g/5mL/MSVOA_W/SOIL/A
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
82H-W

Quant Time: Aug 18 03:49:48 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 12 04:04:48 2025
Response via : Initial Calibration

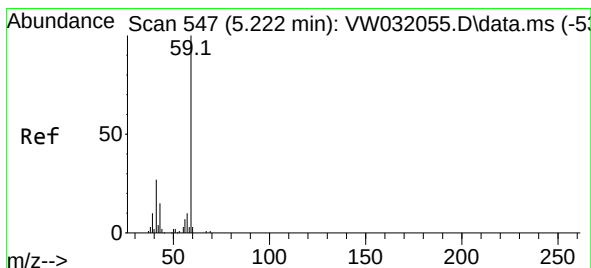
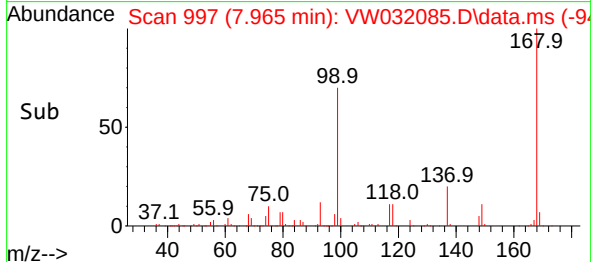
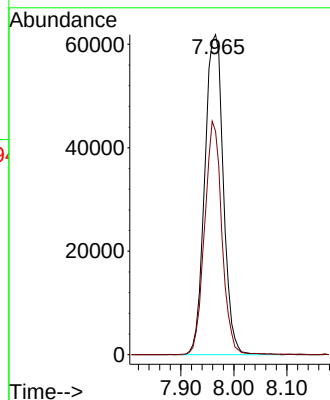
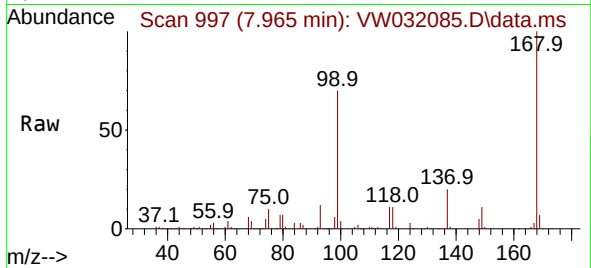




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 996
Delta R.T. 0.006 min
Lab File: VW032085.D
Acq: 14 Aug 2025 12:02

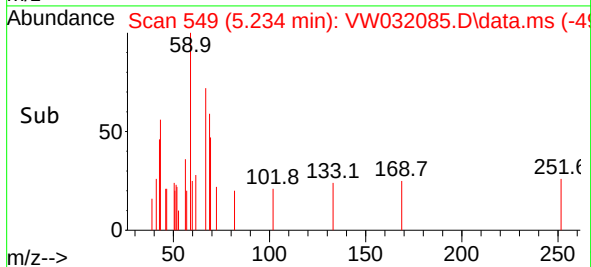
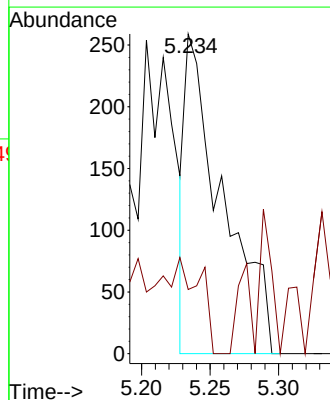
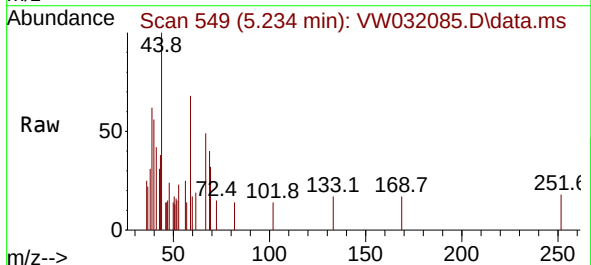
Instrument :
MSVOA_W
ClientSampleId :
82H-W

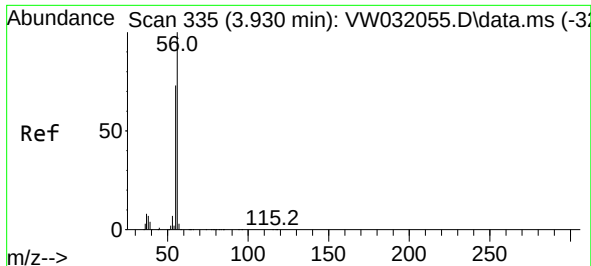
Tgt Ion:168 Resp: 150560
Ion Ratio Lower Upper
168 100
99 69.7 56.0 84.0



#11
Tert butyl alcohol
Concen: 3.475 ug/l
RT: 5.234 min Scan# 549
Delta R.T. 0.012 min
Lab File: VW032085.D
Acq: 14 Aug 2025 12:02

Tgt Ion: 59 Resp: 490
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#





#13

Acrolein

Concen: 1.157 ug/l

RT: 3.935 min Scan# 31

Delta R.T. 0.006 min

Lab File: VW032085.D

Acq: 14 Aug 2025 12:02

Instrument :

MSVOA_W

ClientSampleId :

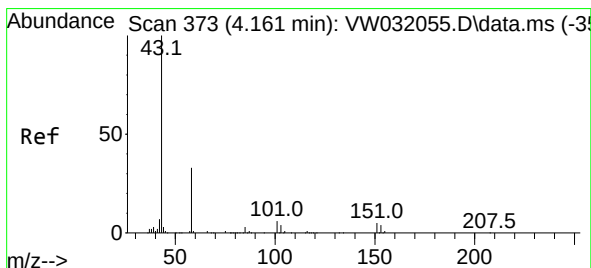
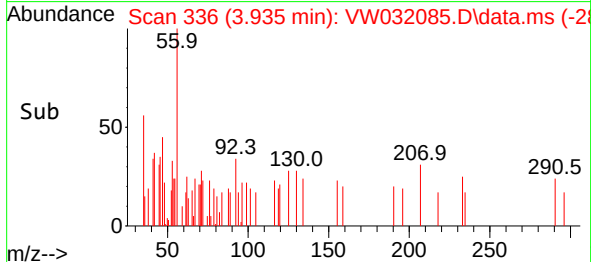
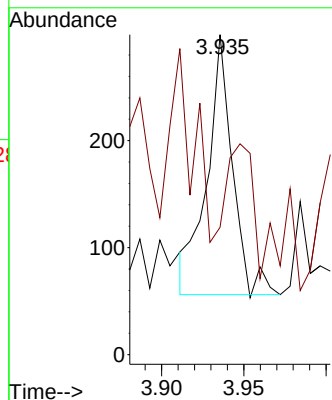
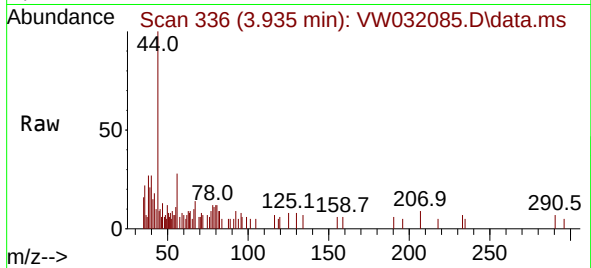
82H-W

Tgt Ion: 56 Resp: 260

Ion Ratio Lower Upper

56 100

55 118.8 55.4 83.2#



#16

Acetone

Concen: 40.202 ug/l

RT: 4.161 min Scan# 373

Delta R.T. -0.000 min

Lab File: VW032085.D

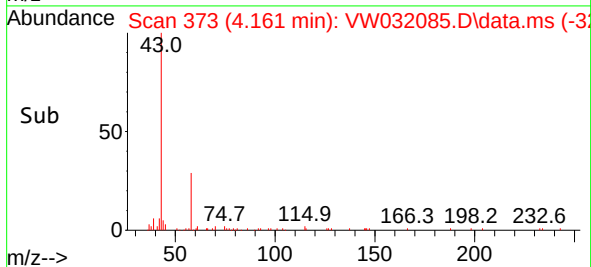
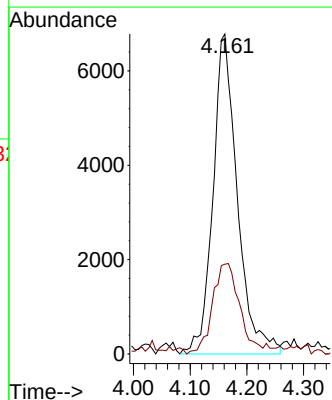
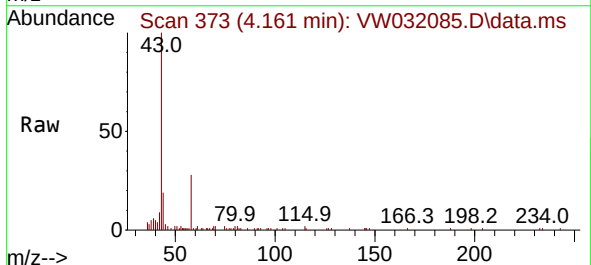
Acq: 14 Aug 2025 12:02

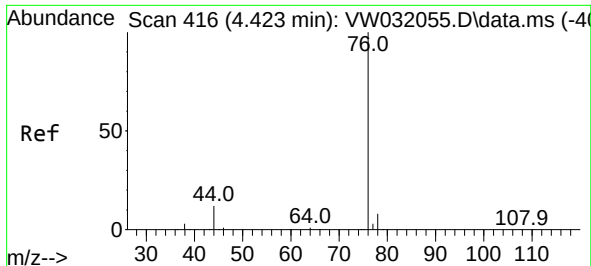
Tgt Ion: 43 Resp: 20268

Ion Ratio Lower Upper

43 100

58 26.1 26.6 39.8#

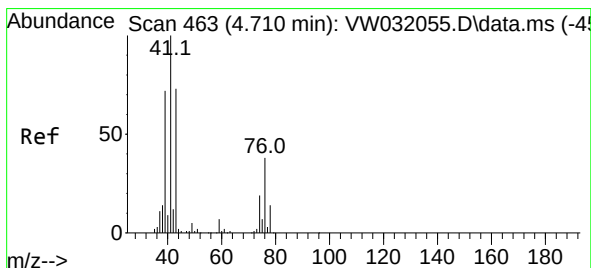
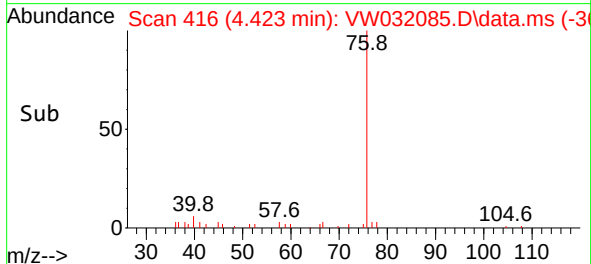
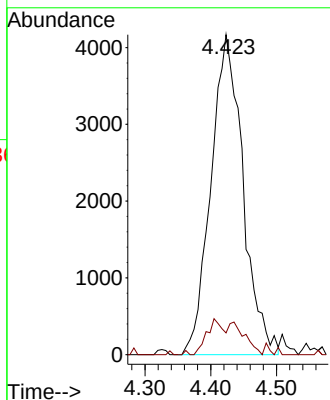
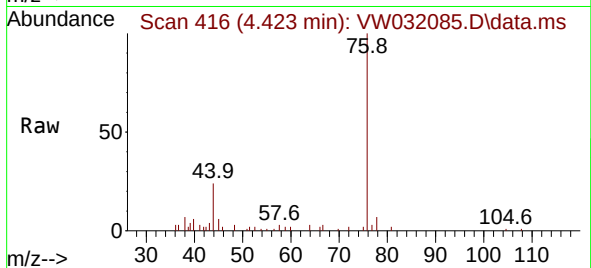




#17
Carbon Disulfide
Concen: 2.880 ug/l
RT: 4.423 min Scan# 416
Delta R.T. -0.000 min
Lab File: VW032085.D
Acq: 14 Aug 2025 12:02

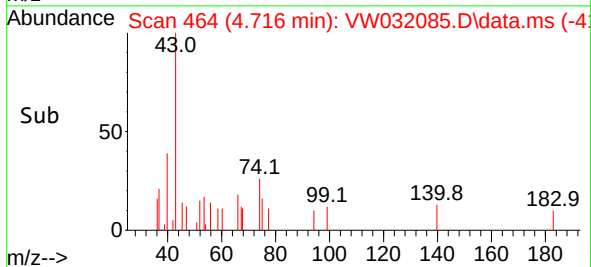
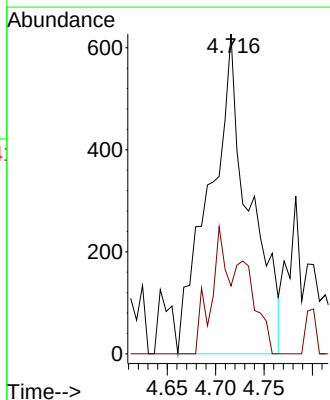
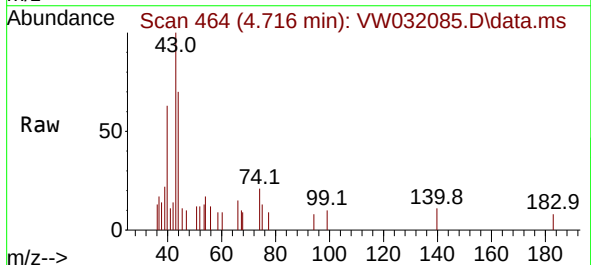
Instrument :
MSVOA_W
ClientSampleId :
82H-W

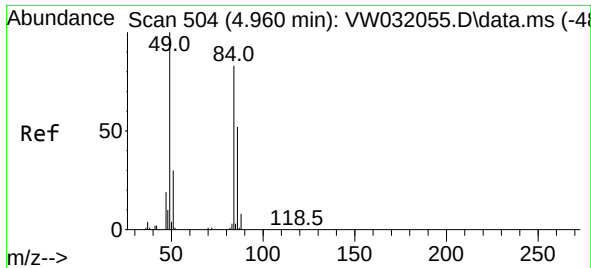
Tgt Ion: 76 Resp: 14117
Ion Ratio Lower Upper
76 100
78 6.8 6.4 9.6



#18
Methyl Acetate
Concen: 1.113 ug/l
RT: 4.716 min Scan# 464
Delta R.T. 0.006 min
Lab File: VW032085.D
Acq: 14 Aug 2025 12:02

Tgt Ion: 43 Resp: 1775
Ion Ratio Lower Upper
43 100
74 17.4 20.6 31.0#

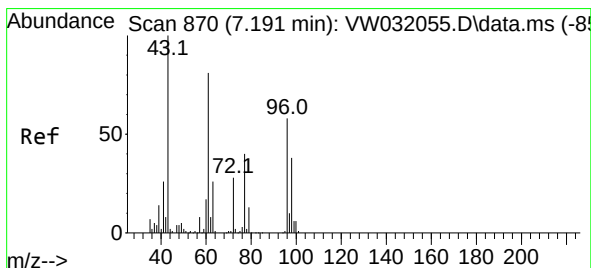
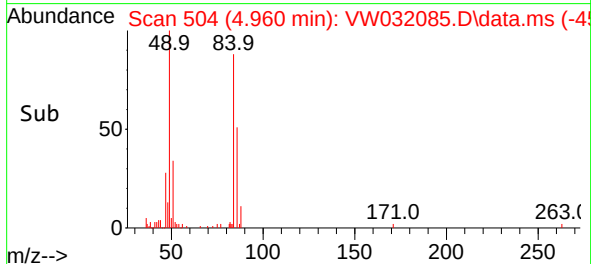
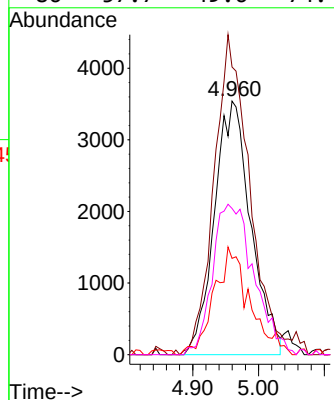
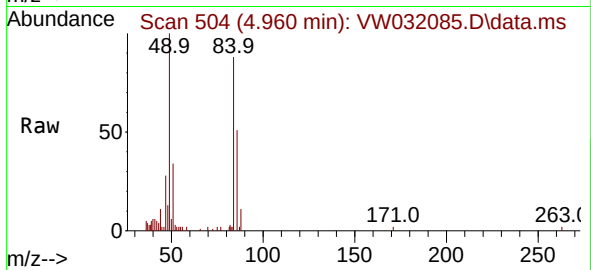




#20
Methylene Chloride
Concen: 5.853 ug/l
RT: 4.960 min Scan# 504
Delta R.T. -0.000 min
Lab File: VW032085.D
Acq: 14 Aug 2025 12:02

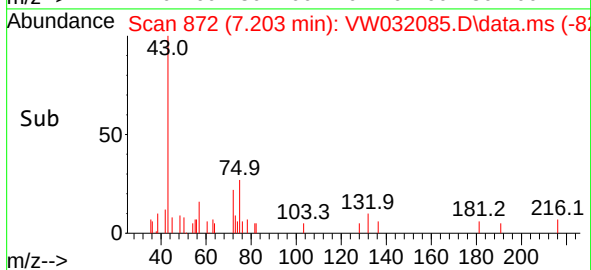
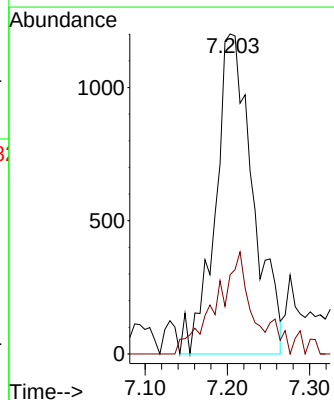
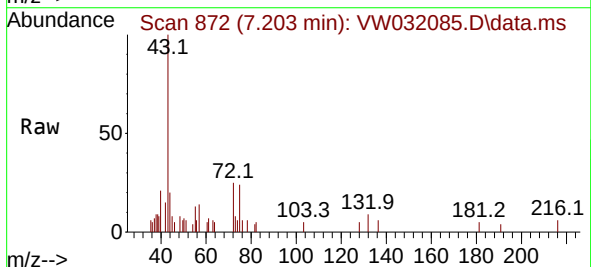
Instrument :
MSVOA_W
ClientSampleId :
82H-W

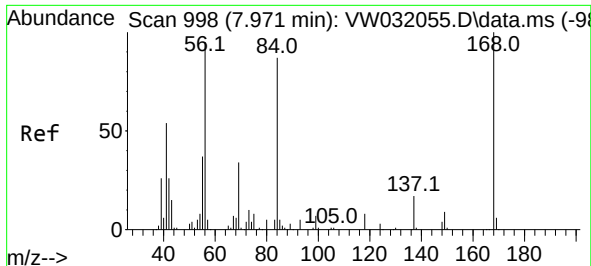
Tgt Ion:	84	Resp:	13643
Ion	Ratio	Lower	Upper
84	100		
49	113.4	95.9	143.9
51	38.0	28.6	43.0
86	57.7	49.6	74.4



#25
2-Butanone
Concen: 5.324 ug/l
RT: 7.203 min Scan# 872
Delta R.T. 0.012 min
Lab File: VW032085.D
Acq: 14 Aug 2025 12:02

Tgt Ion:	43	Resp:	3815
Ion	Ratio	Lower	Upper
43	100		
72	20.5	22.3	33.5#

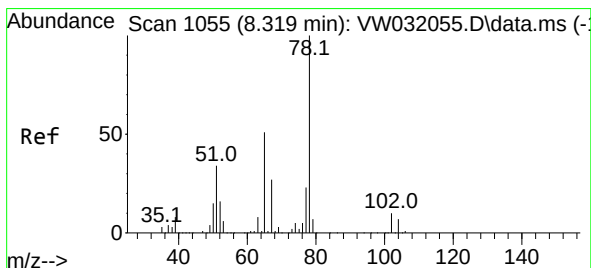
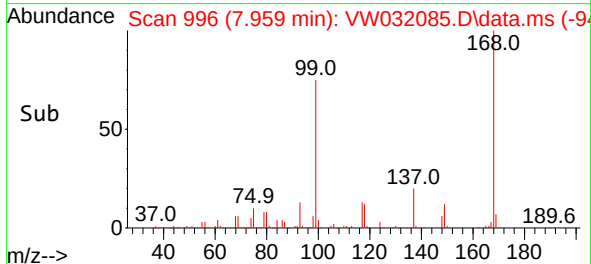
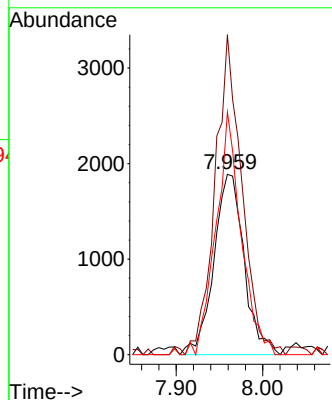
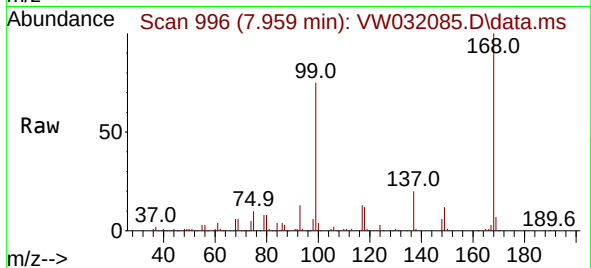




#31
Cyclohexane
Concen: 1.477 ug/l
RT: 7.959 min Scan# 998
Delta R.T. -0.012 min
Lab File: VW032085.D
Acq: 14 Aug 2025 12:02

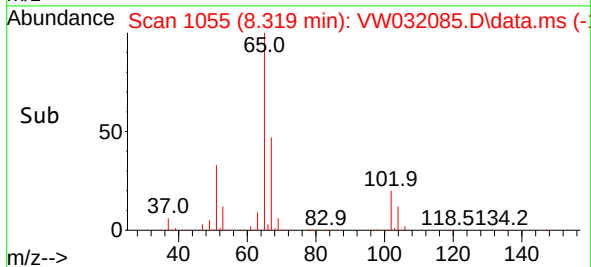
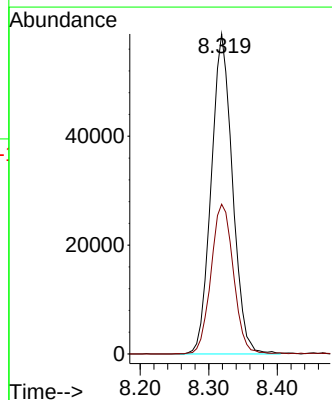
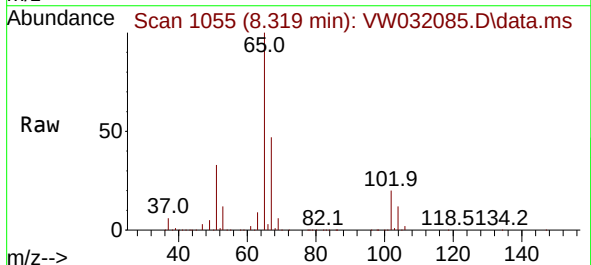
Instrument :
MSVOA_W
ClientSampleId :
82H-W

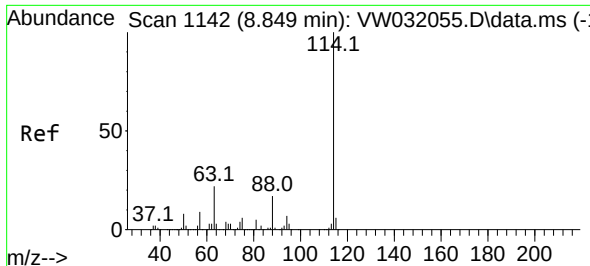
Tgt Ion: 56 Resp: 4583
Ion Ratio Lower Upper
56 100
69 174.0 28.6 42.8#
84 134.4 73.0 109.4#



#33
1,2-Dichloroethane-d4
Concen: 58.164 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VW032085.D
Acq: 14 Aug 2025 12:02

Tgt Ion: 65 Resp: 126653
Ion Ratio Lower Upper
65 100
67 49.3 0.0 102.4

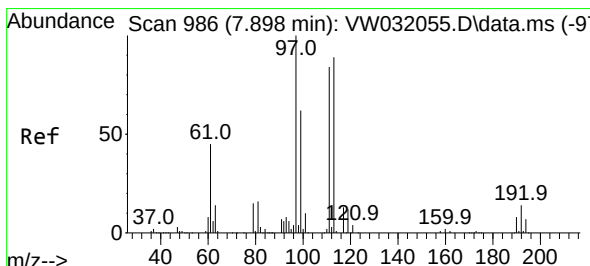
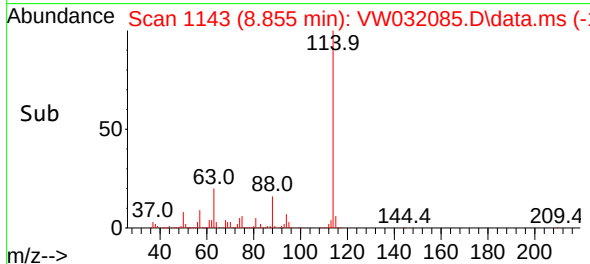
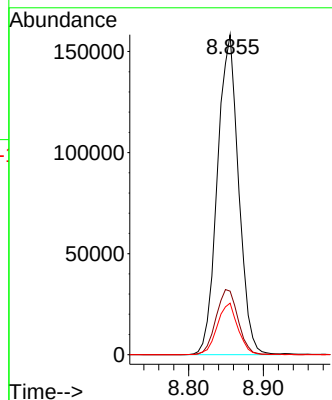
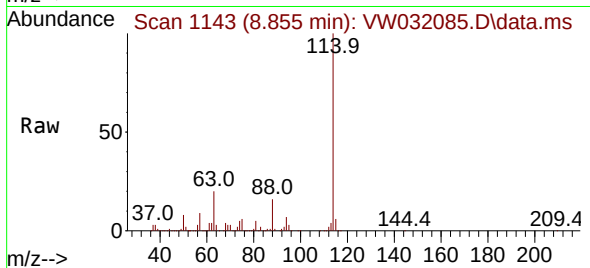




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.855 min Scan# 1143
Delta R.T. 0.006 min
Lab File: VW032085.D
Acq: 14 Aug 2025 12:02

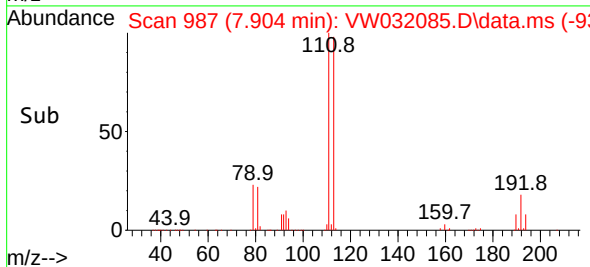
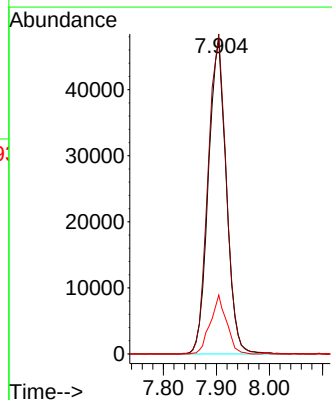
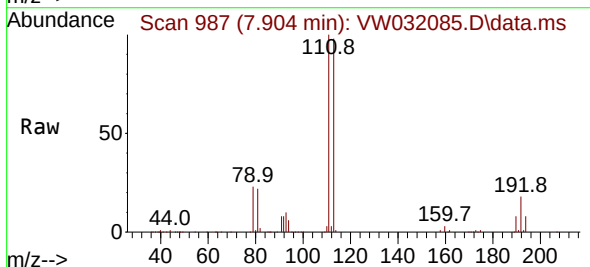
Instrument :
MSVOA_W
ClientSampleId :
82H-W

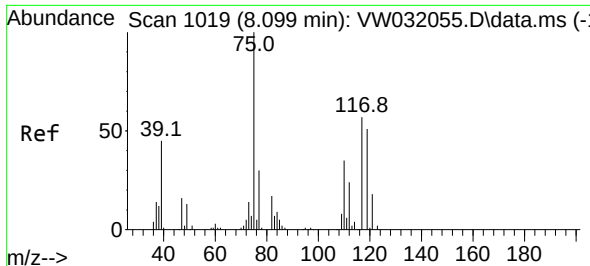
Tgt Ion:114 Resp: 312304
Ion Ratio Lower Upper
114 100
63 19.9 0.0 43.0
88 16.1 0.0 33.8



#35
Dibromofluoromethane
Concen: 55.445 ug/l
RT: 7.904 min Scan# 987
Delta R.T. 0.006 min
Lab File: VW032085.D
Acq: 14 Aug 2025 12:02

Tgt Ion:113 Resp: 111867
Ion Ratio Lower Upper
113 100
111 103.5 80.1 120.1
192 17.0 13.1 19.7

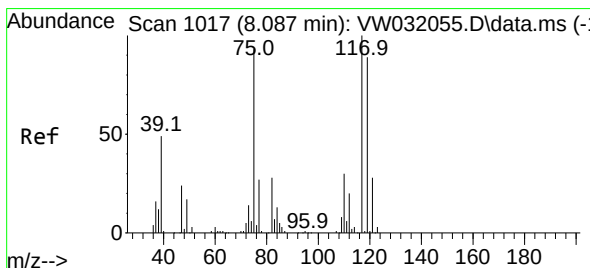
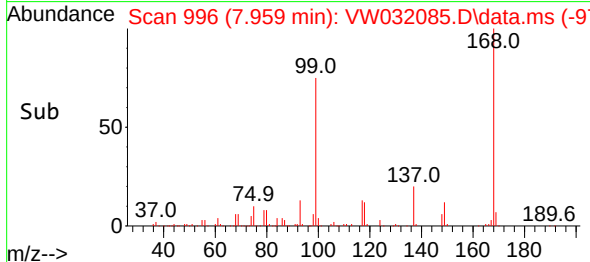
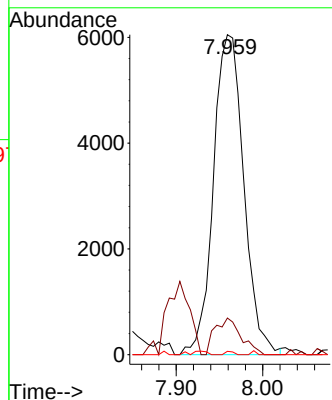
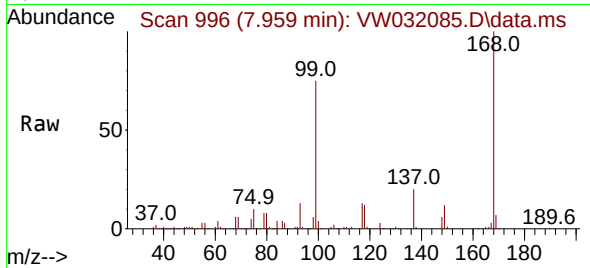




#36
1,1-Dichloropropene
Concen: 5.184 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.140 min
Lab File: VW032085.D
Acq: 14 Aug 2025 12:02

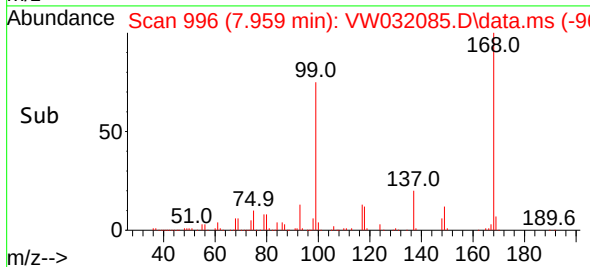
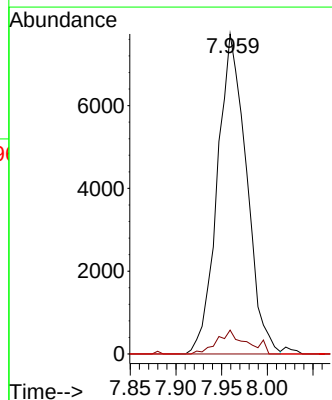
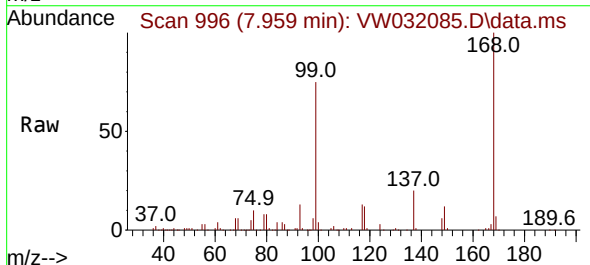
Instrument :
MSVOA_W
ClientSampleId :
82H-W

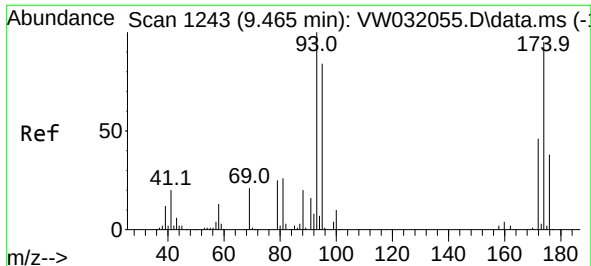
Tgt Ion: 75 Resp: 14746
Ion Ratio Lower Upper
75 100
110 9.9 17.4 52.2#
77 0.3 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 6.229 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.128 min
Lab File: VW032085.D
Acq: 14 Aug 2025 12:02

Tgt Ion: 117 Resp: 17098
Ion Ratio Lower Upper
117 100
119 7.5 71.4 107.2#
121 0.0 22.3 33.5#





#49

1,4-Dioxane

Concen: 2.356 ug/l

RT: 9.355 min Scan# 11

Delta R.T. -0.110 min

Lab File: VW032085.D

Acq: 14 Aug 2025 12:02

Instrument :

MSVOA_W

ClientSampleId :

82H-W

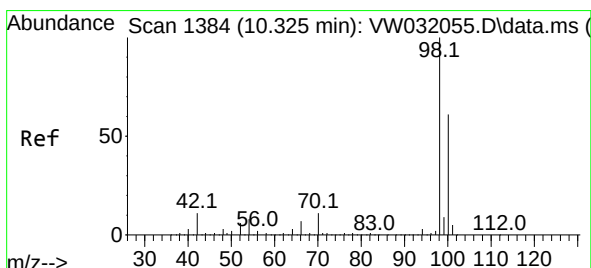
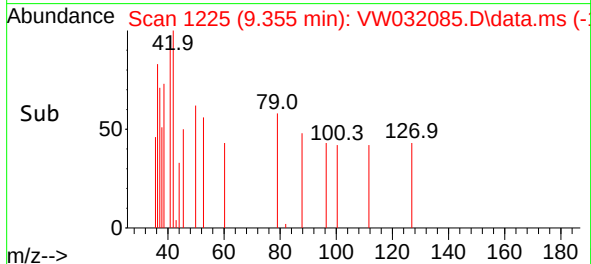
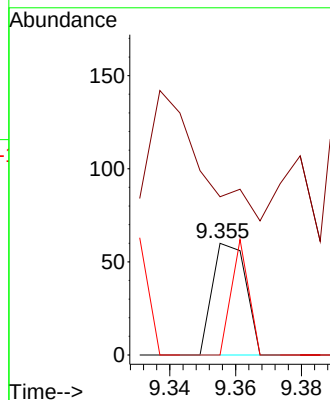
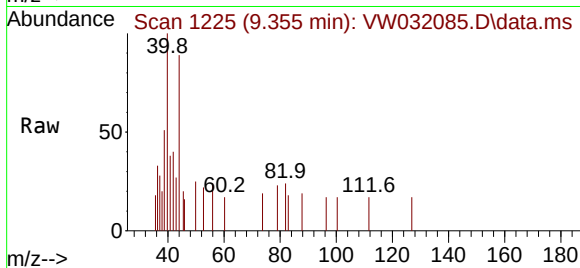
Tgt Ion: 88 Resp: 42

Ion Ratio Lower Upper

88 100

43 0.0 20.6 30.8#

58 54.8 60.4 90.6#



#50

Toluene-d8

Concen: 50.830 ug/l

RT: 10.325 min Scan# 1384

Delta R.T. -0.000 min

Lab File: VW032085.D

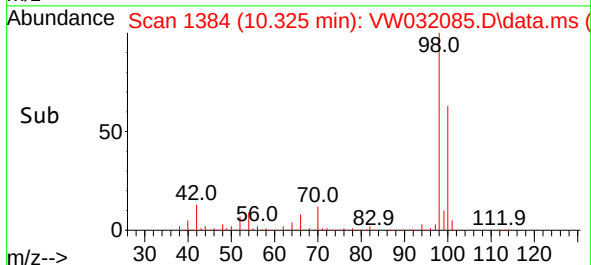
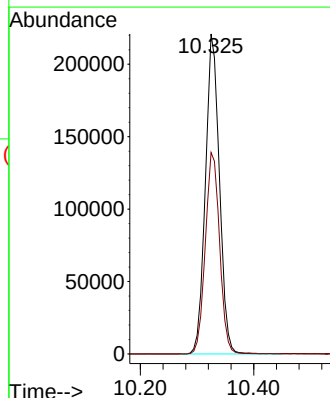
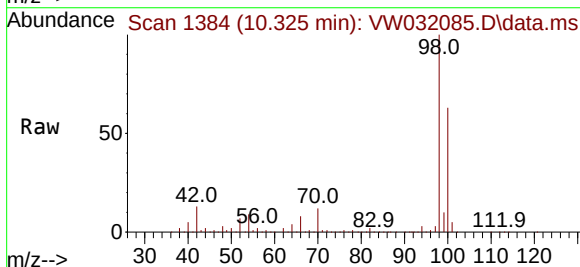
Acq: 14 Aug 2025 12:02

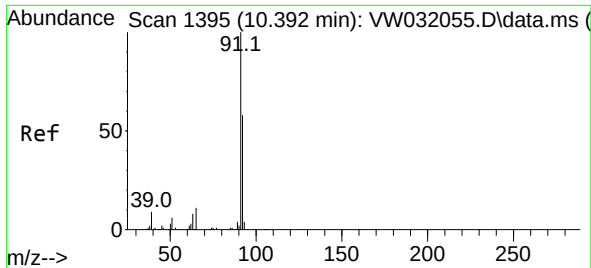
Tgt Ion: 98 Resp: 379321

Ion Ratio Lower Upper

98 100

100 64.2 51.1 76.7

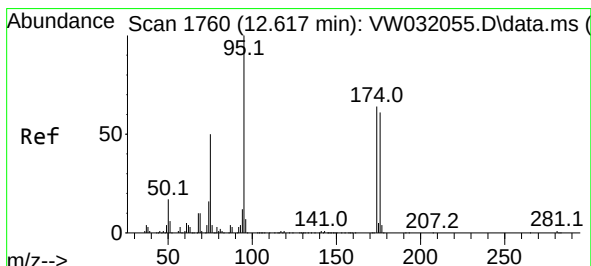
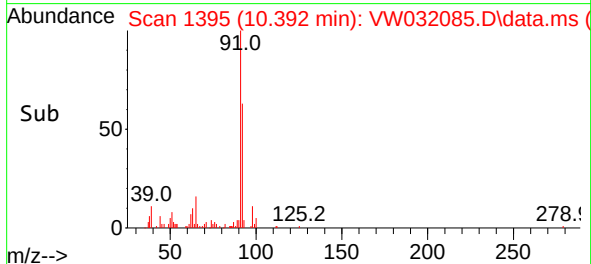
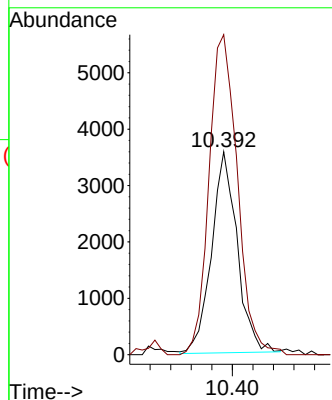
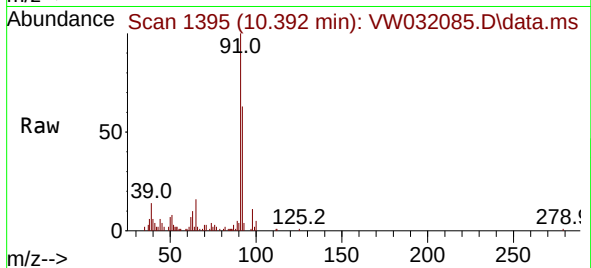




#52
Toluene
Concen: 1.107 ug/l
RT: 10.392 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VW032085.D
Acq: 14 Aug 2025 12:02

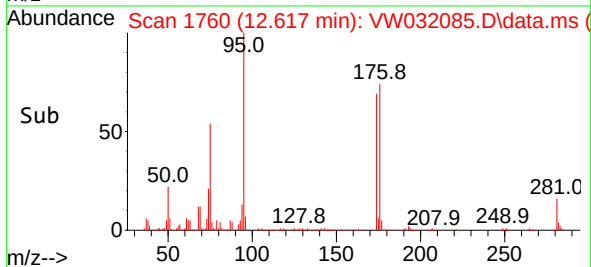
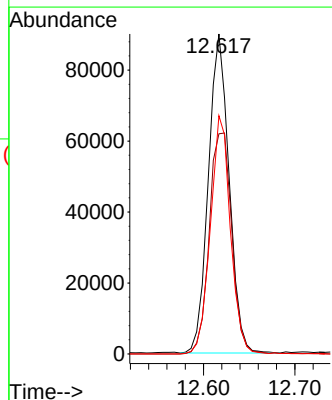
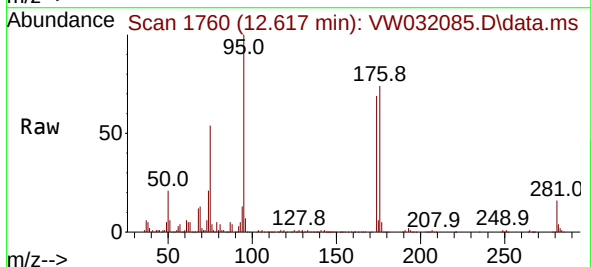
Instrument :
MSVOA_W
ClientSampleId :
82H-W

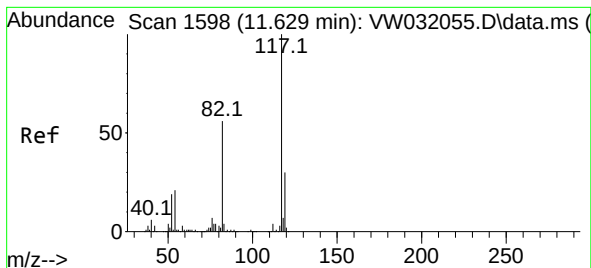
Tgt Ion: 92 Resp: 6167
Ion Ratio Lower Upper
92 100
91 176.4 136.3 204.5



#62
4-Bromofluorobenzene
Concen: 51.561 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032085.D
Acq: 14 Aug 2025 12:02

Tgt Ion: 95 Resp: 141794
Ion Ratio Lower Upper
95 100
174 75.7 0.0 129.0
176 72.2 0.0 124.6

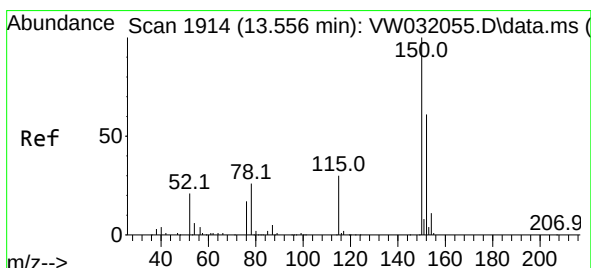
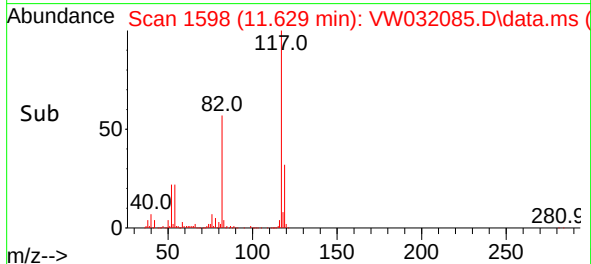
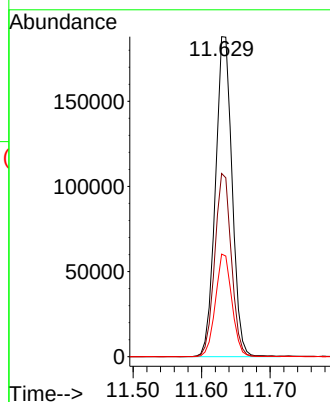
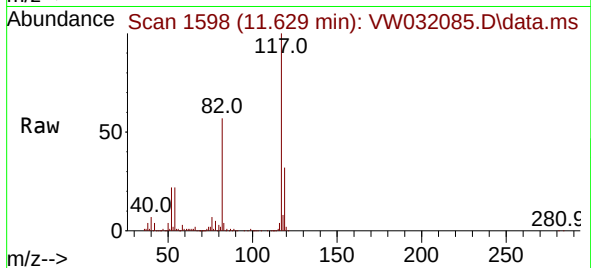




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW032085.D
Acq: 14 Aug 2025 12:02

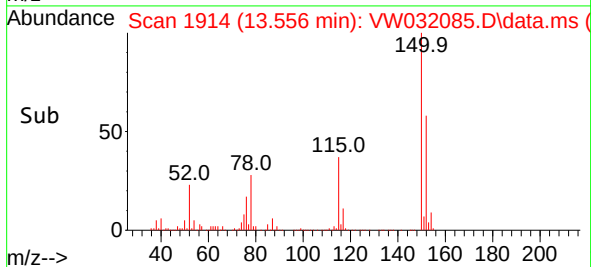
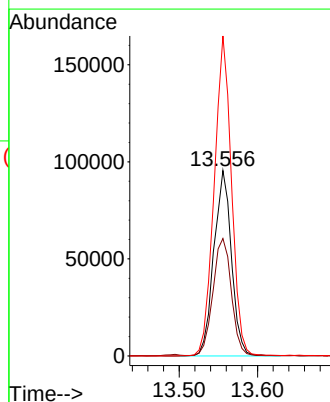
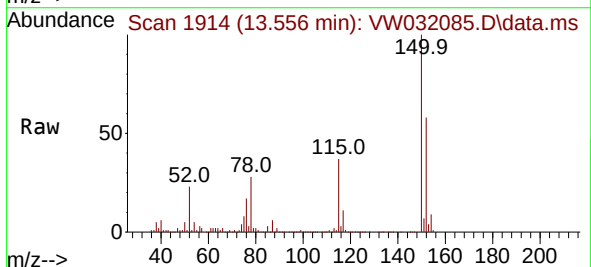
Instrument :
MSVOA_W
ClientSampleId :
82H-W

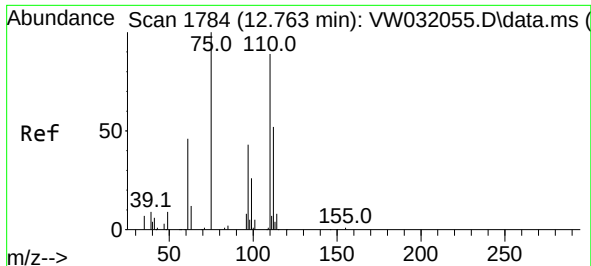
Tgt Ion:117 Resp: 317114
Ion Ratio Lower Upper
117 100
82 57.3 45.0 67.4
119 32.0 24.2 36.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. -0.000 min
Lab File: VW032085.D
Acq: 14 Aug 2025 12:02

Tgt Ion:152 Resp: 149119
Ion Ratio Lower Upper
152 100
115 65.9 32.6 97.8
150 169.6 0.0 359.4

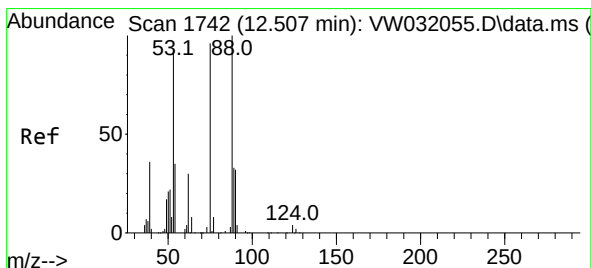
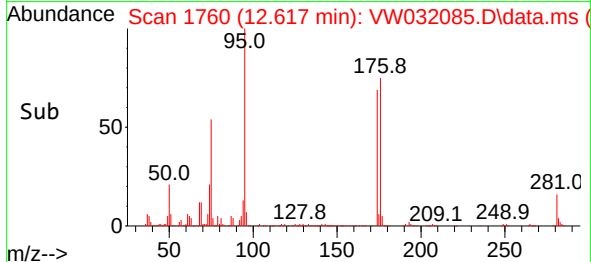
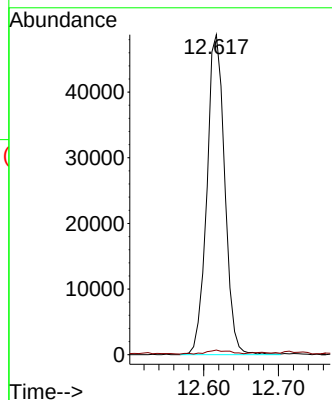
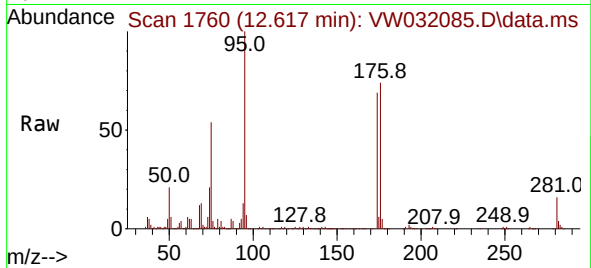




#76
1,2,3-Trichloropropane
Concen: 39.993 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.146 min
Lab File: VW032085.D
Acq: 14 Aug 2025 12:02

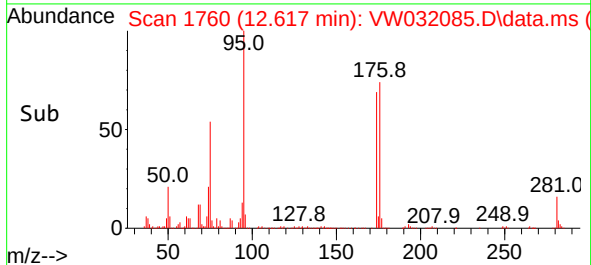
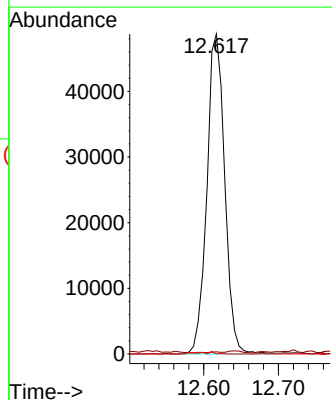
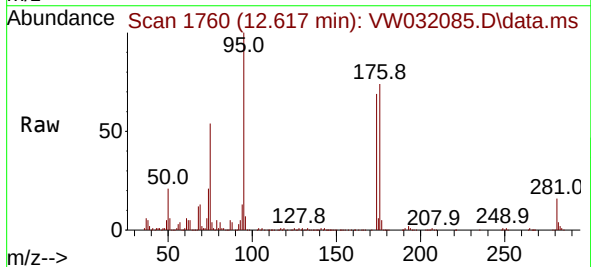
Instrument :
MSVOA_W
ClientSampleId :
82H-W

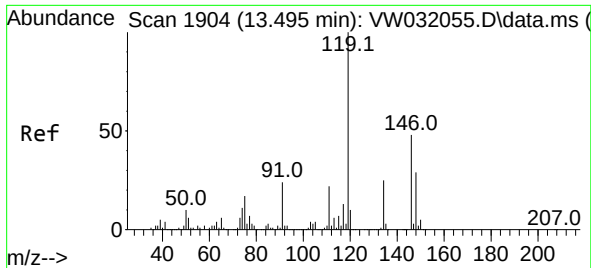
Tgt Ion: 75 Resp: 80941
Ion Ratio Lower Upper
75 100
77 1.5 123.5 370.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 103.537 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.110 min
Lab File: VW032085.D
Acq: 14 Aug 2025 12:02

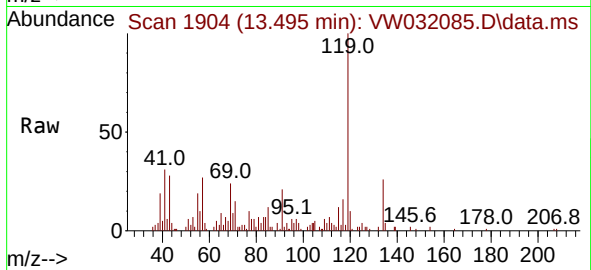
Tgt Ion: 75 Resp: 80941
Ion Ratio Lower Upper
75 100
53 0.0 81.0 121.6#
89 0.4 37.3 55.9#



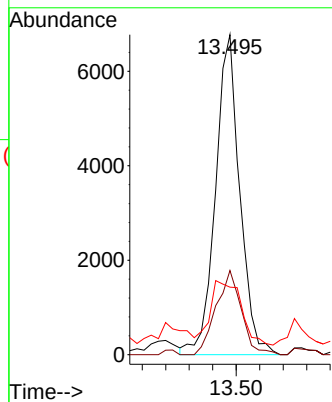
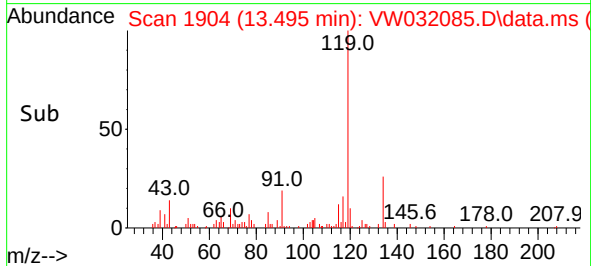


#86
 p-Isopropyltoluene
 Concen: 1.050 ug/l
 RT: 13.495 min Scan# 1904
 Delta R.T. -0.000 min
 Lab File: VW032085.D
 Acq: 14 Aug 2025 12:02

Instrument :
 MSVOA_W
 ClientSampleId :
 82H-W



Tgt Ion:	119	Resp:	9717
Ion Ratio	Lower	Upper	
119	100		
134	27.3	12.4	37.0
91	25.9	12.1	36.3



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
 Data File : VW032105.D
 Acq On : 14 Aug 2025 19:32
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Aug 18 03:58:13 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 12 04:04:48 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.959	168	191295	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	340189	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	325940	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	166040	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	146710	53.028	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	= 106.060%	
35) Dibromofluoromethane	7.904	113	119167	54.222	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	= 108.440%	
50) Toluene-d8	10.331	98	431442	53.076	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	= 106.160%	
62) 4-Bromofluorobenzene	12.617	95	151827	50.684	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	= 101.360%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	2.045	85	61255	44.771	ug/l	96
3) Chloromethane	2.259	50	78292	42.481	ug/l	99
4) Vinyl Chloride	2.405	62	95665	42.913	ug/l	93
5) Bromomethane	2.826	94	81791	48.904	ug/l	96
6) Chloroethane	2.972	64	68704	46.574	ug/l	100
7) Trichlorofluoromethane	3.301	101	92479	51.784	ug/l	97
8) Diethyl Ether	3.722	74	75008	51.265	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.100	101	103933	49.330	ug/l	98
10) Methyl Iodide	4.313	142	144087	48.234	ug/l	97
11) Tert butyl alcohol	5.228	59	36969	206.356	ug/l	96
12) 1,1-Dichloroethene	4.082	96	113815	49.059	ug/l	97
13) Acrolein	3.929	56	35987	126.071	ug/l	97
14) Allyl chloride	4.703	41	134232	39.755	ug/l #	87
15) Acrylonitrile	5.405	53	159692	229.148	ug/l	99
16) Acetone	4.161	43	148614	232.009	ug/l	97
17) Carbon Disulfide	4.423	76	247936	39.816	ug/l	99
18) Methyl Acetate	4.710	43	107582	53.076	ug/l	100
19) Methyl tert-butyl Ether	5.466	73	192043	46.982	ug/l	94
20) Methylene Chloride	4.953	84	124065	41.890	ug/l	96
21) trans-1,2-Dichloroethene	5.453	96	113537	46.116	ug/l	97
22) Diisopropyl ether	6.343	45	335676	47.159	ug/l	96
23) Vinyl Acetate	6.282	43	1070647	229.096	ug/l	97
24) 1,1-Dichloroethane	6.246	63	208500	45.846	ug/l	99
25) 2-Butanone	7.197	43	213535	234.553	ug/l	96
26) 2,2-Dichloropropane	7.191	77	89156	39.077	ug/l	99
27) cis-1,2-Dichloroethene	7.191	96	141078	49.023	ug/l	95
28) Bromochloromethane	7.532	49	105860	51.150	ug/l	98
29) Tetrahydrofuran	7.557	42	143851	239.596	ug/l	100
30) Chloroform	7.691	83	243601	50.525	ug/l	95
31) Cyclohexane	7.971	56	152916	38.784	ug/l	98
32) 1,1,1-Trichloroethane	7.886	97	161712	46.176	ug/l	98
36) 1,1-Dichloropropene	8.093	75	148951	48.076	ug/l	99
37) Ethyl Acetate	7.276	43	92875	50.898	ug/l	97
38) Carbon Tetrachloride	8.081	117	152872	51.129	ug/l	96
39) Methylcyclohexane	9.343	83	169525	44.891	ug/l	94
40) Benzene	8.337	78	480231	49.865	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
 Data File : VW032105.D
 Acq On : 14 Aug 2025 19:32
 Operator : SY/MD
 Sample : VSTDC050EC
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDC050EC

Quant Time: Aug 18 03:58:13 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 12 04:04:48 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.502	41	50217	48.528	ug/l	91
42) 1,2-Dichloroethane	8.410	62	168647	54.726	ug/l	98
43) Isopropyl Acetate	8.434	43	169753	50.564	ug/l	99
44) Trichloroethene	9.105	130	116771	50.915	ug/l	96
45) 1,2-Dichloropropane	9.373	63	115794	49.769	ug/l	97
46) Dibromomethane	9.465	93	79744	53.105	ug/l	96
47) Bromodichloromethane	9.654	83	184629	53.359	ug/l	95
48) Methyl methacrylate	9.440	41	82474	50.886	ug/l #	90
49) 1,4-Dioxane	9.459	88	20213	1041.083	ug/l	93
51) 4-Methyl-2-Pentanone	10.215	43	510331	269.316	ug/l	96
52) Toluene	10.391	92	310694	51.219	ug/l	99
53) t-1,3-Dichloropropene	10.611	75	158355	48.849	ug/l	100
54) cis-1,3-Dichloropropene	10.081	75	177874	48.366	ug/l	91
55) 1,1,2-Trichloroethane	10.788	97	104590	52.415	ug/l	96
56) Ethyl methacrylate	10.648	69	138833	51.993	ug/l #	92
57) 1,3-Dichloropropane	10.934	76	176713	50.807	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.928	63	400276	271.010	ug/l	100
59) 2-Hexanone	10.971	43	354969	270.484	ug/l	96
60) Dibromochloromethane	11.129	129	122381	53.691	ug/l	99
61) 1,2-Dibromoethane	11.233	107	102979	53.107	ug/l	99
64) Tetrachloroethene	10.861	164	107005	56.838	ug/l	92
65) Chlorobenzene	11.660	112	348750	49.157	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.727	131	118751	53.648	ug/l	96
67) Ethyl Benzene	11.733	91	601685	50.069	ug/l	96
68) m/p-Xylenes	11.836	106	455888	98.314	ug/l	98
69) o-Xylene	12.166	106	216903	50.609	ug/l	96
70) Styrene	12.178	104	392538	51.563	ug/l	98
71) Bromoform	12.355	173	69699	55.047	ug/l #	95
73) Isopropylbenzene	12.464	105	540086	46.544	ug/l	98
74) N-amyl acetate	12.269	43	156756	47.086	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.708	83	130940	47.526	ug/l	99
76) 1,2,3-Trichloropropane	12.763	75	155884	69.173	ug/l	59
77) Bromobenzene	12.745	156	132649	47.862	ug/l	94
78) n-propylbenzene	12.800	91	674775	47.233	ug/l	100
79) 2-Chlorotoluene	12.891	91	405968	46.044	ug/l	98
80) 1,3,5-Trimethylbenzene	12.940	105	460118	46.706	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.507	75	34614	39.765	ug/l	90
82) 4-Chlorotoluene	12.989	91	431266	46.038	ug/l	98
83) tert-Butylbenzene	13.202	119	401156	49.066	ug/l	97
84) 1,2,4-Trimethylbenzene	13.245	105	475052	47.371	ug/l	99
85) sec-Butylbenzene	13.379	105	568054	45.955	ug/l	99
86) p-Isopropyltoluene	13.495	119	472729	45.874	ug/l	97
87) 1,3-Dichlorobenzene	13.495	146	270340	49.021	ug/l	97
88) 1,4-Dichlorobenzene	13.574	146	271213	48.665	ug/l	98
89) n-Butylbenzene	13.818	91	466468	46.594	ug/l	99
90) Hexachloroethane	14.086	117	87184	46.262	ug/l	96
91) 1,2-Dichlorobenzene	13.866	146	243969	48.837	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.482	75	21865	44.641	ug/l	98
93) 1,2,4-Trichlorobenzene	15.122	180	146018	48.861	ug/l	96
94) Hexachlorobutadiene	15.226	225	67884	50.817	ug/l	92
95) Naphthalene	15.354	128	345629	47.200	ug/l	98
96) 1,2,3-Trichlorobenzene	15.543	180	136101	50.054	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
Data File : VW032105.D
Acq On : 14 Aug 2025 19:32
Operator : SY/MD
Sample : VSTDCCC050EC
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Quant Time: Aug 18 03:58:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 12 04:04:48 2025
Response via : Initial Calibration

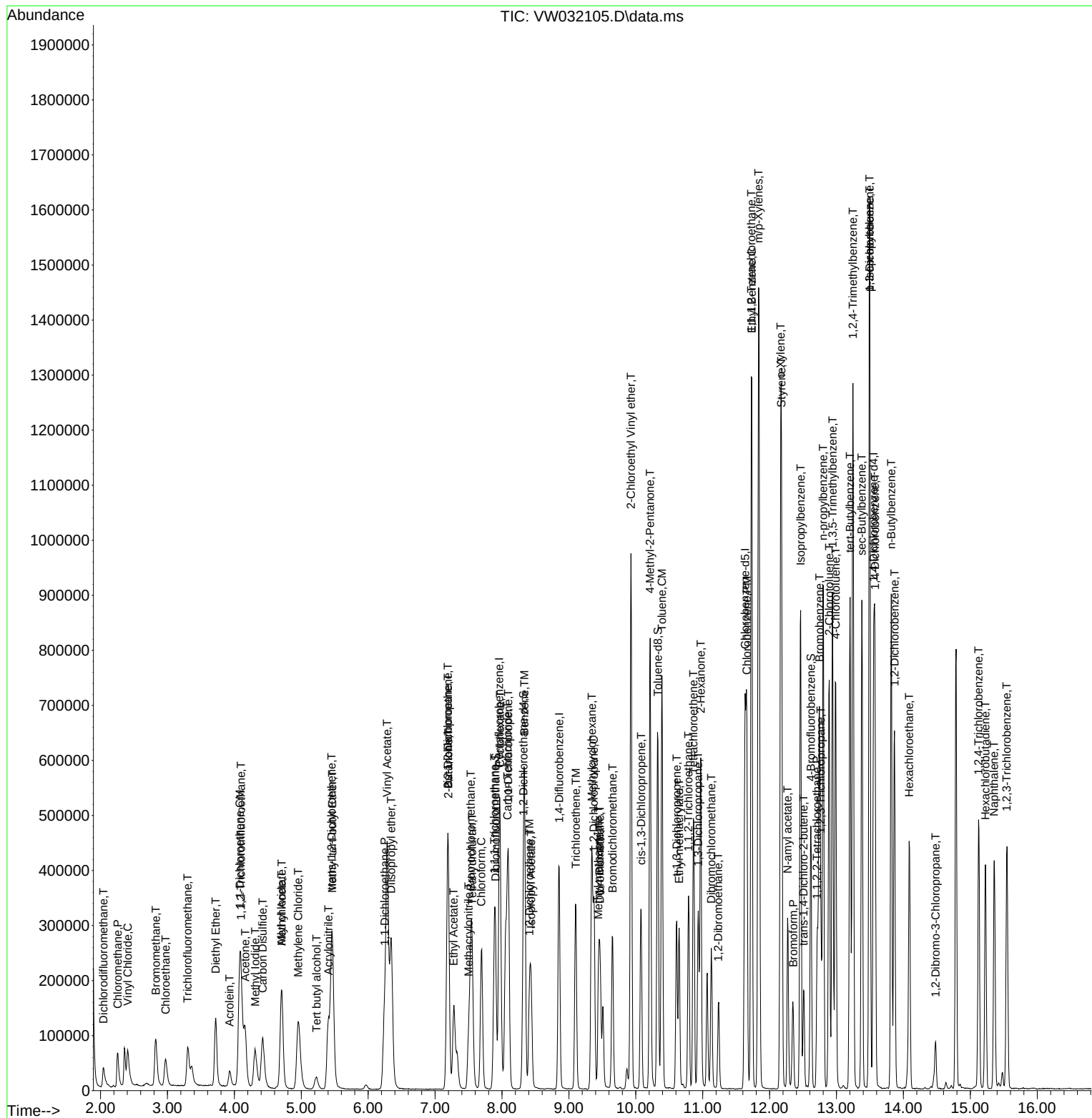
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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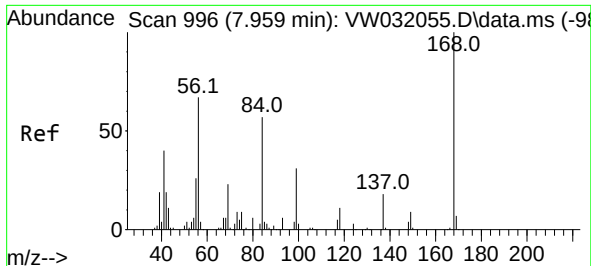
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
 Data File : VW032105.D
 Acq On : 14 Aug 2025 19:32
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Aug 18 03:58:13 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 12 04:04:48 2025
 Response via : Initial Calibration

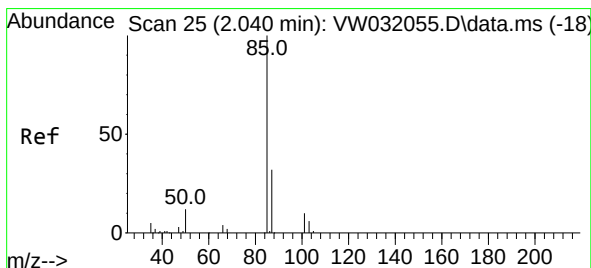
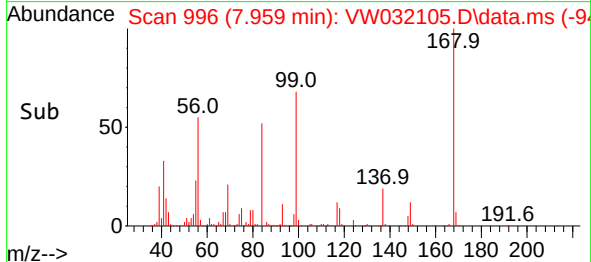
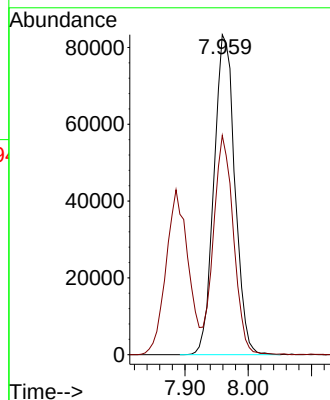
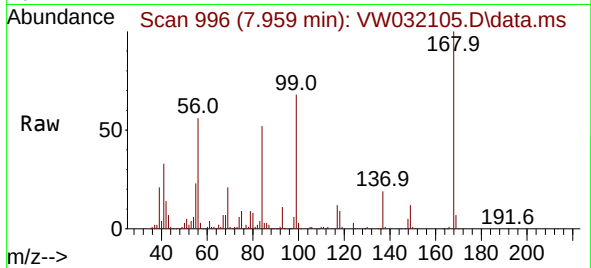




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 99
Delta R.T. -0.000 min
Lab File: VW032105.D
Acq: 14 Aug 2025 19:32

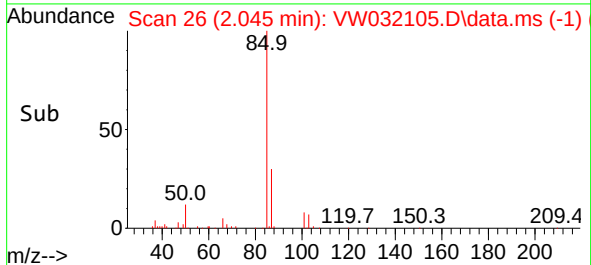
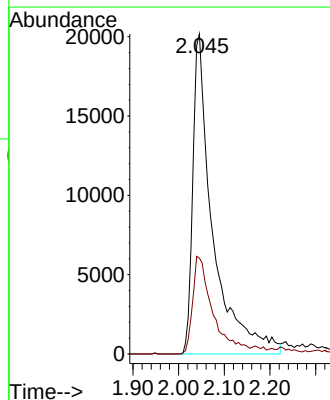
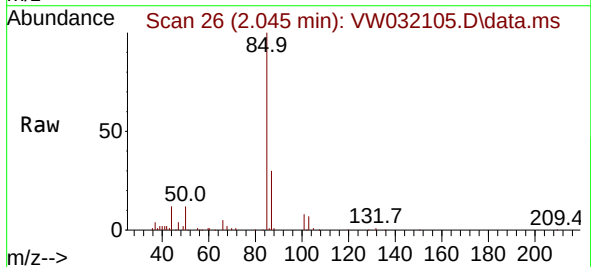
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

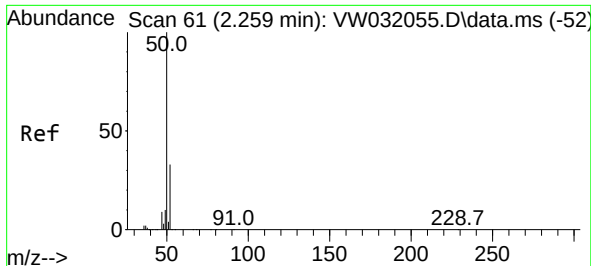
Tgt Ion:168 Resp: 191295
Ion Ratio Lower Upper
168 100
99 68.3 56.0 84.0



#2
Dichlorodifluoromethane
Concen: 44.771 ug/l
RT: 2.045 min Scan# 26
Delta R.T. 0.006 min
Lab File: VW032105.D
Acq: 14 Aug 2025 19:32

Tgt Ion: 85 Resp: 61255
Ion Ratio Lower Upper
85 100
87 29.9 16.2 48.6

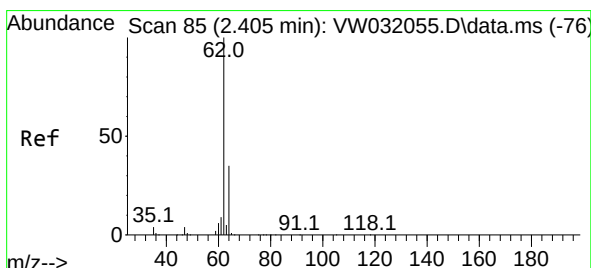
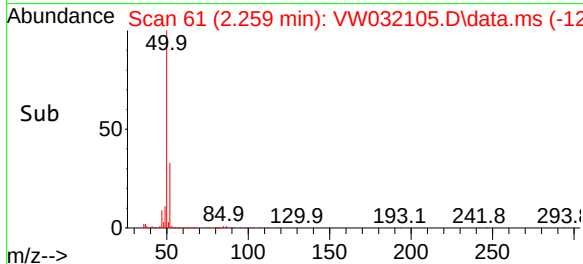
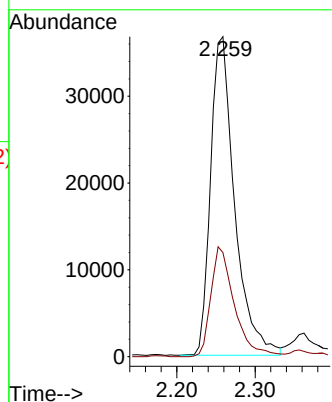
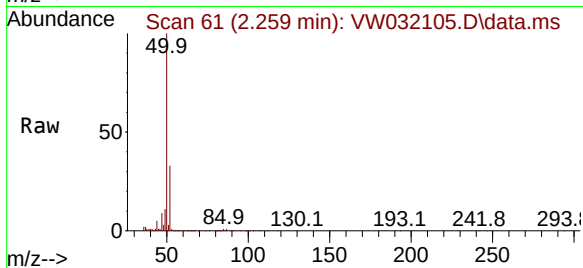




#3
Chloromethane
Concen: 42.481 ug/l
RT: 2.259 min Scan# 61
Delta R.T. -0.000 min
Lab File: VW032105.D
Acq: 14 Aug 2025 19:32

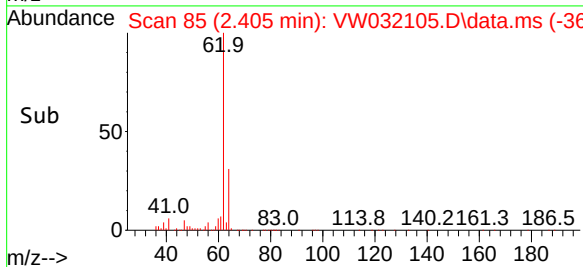
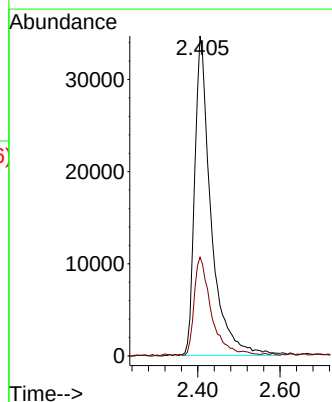
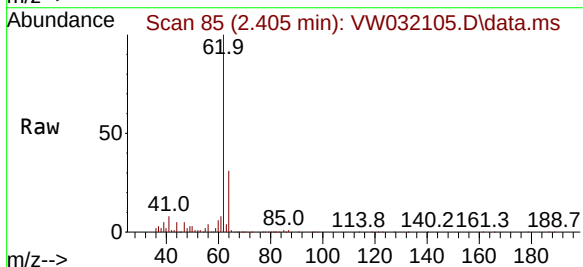
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

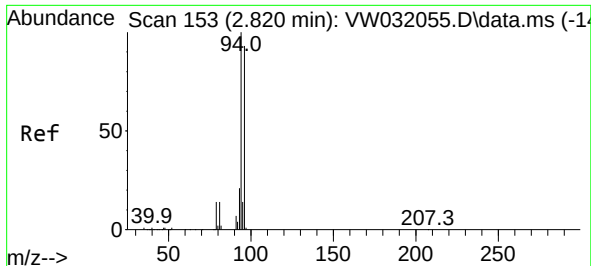
Tgt Ion: 50 Resp: 78292
Ion Ratio Lower Upper
50 100
52 32.7 26.6 39.8



#4
Vinyl Chloride
Concen: 42.913 ug/l
RT: 2.405 min Scan# 85
Delta R.T. -0.000 min
Lab File: VW032105.D
Acq: 14 Aug 2025 19:32

Tgt Ion: 62 Resp: 95665
Ion Ratio Lower Upper
62 100
64 30.6 27.8 41.6

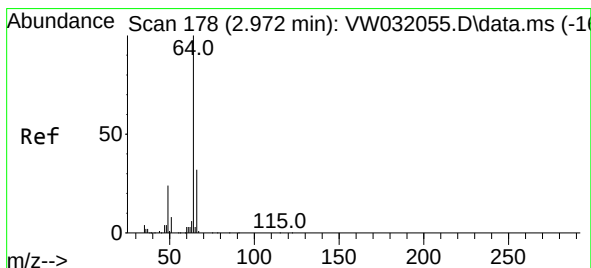
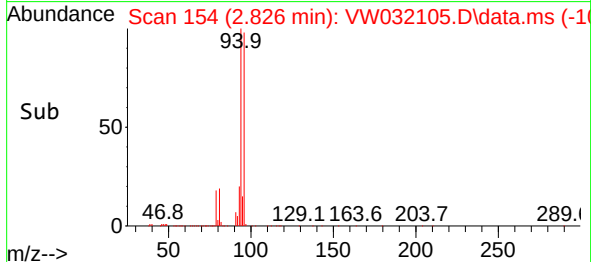
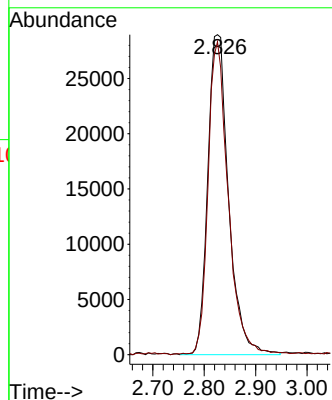
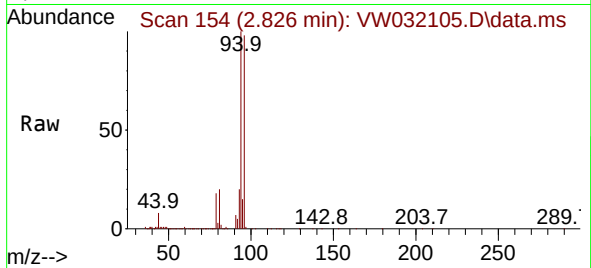




#5
Bromomethane
Concen: 48.904 ug/l
RT: 2.826 min Scan# 153
Delta R.T. 0.006 min
Lab File: VW032105.D
Acq: 14 Aug 2025 19:32

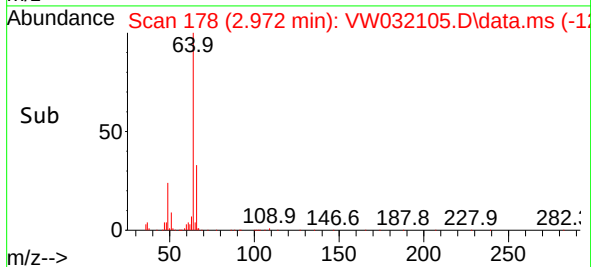
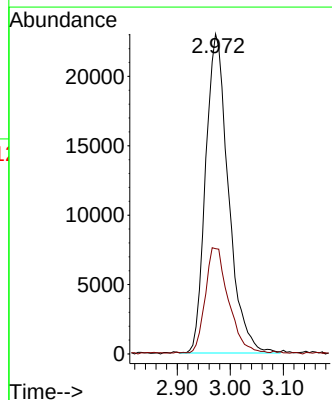
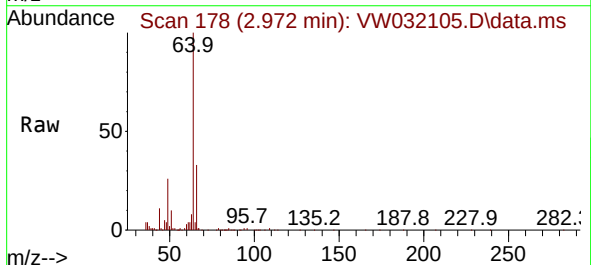
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

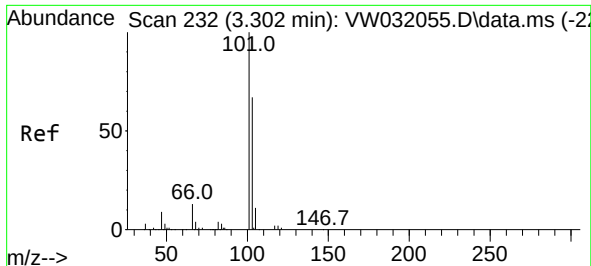
Tgt Ion: 94 Resp: 81791
Ion Ratio Lower Upper
94 100
96 97.6 74.7 112.1



#6
Chloroethane
Concen: 46.574 ug/l
RT: 2.972 min Scan# 178
Delta R.T. -0.000 min
Lab File: VW032105.D
Acq: 14 Aug 2025 19:32

Tgt Ion: 64 Resp: 68704
Ion Ratio Lower Upper
64 100
66 32.6 26.0 39.0

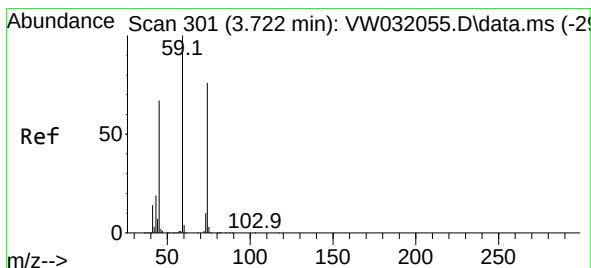
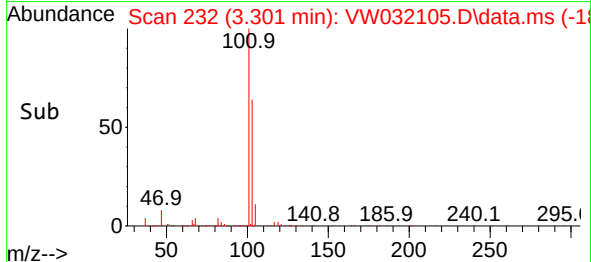
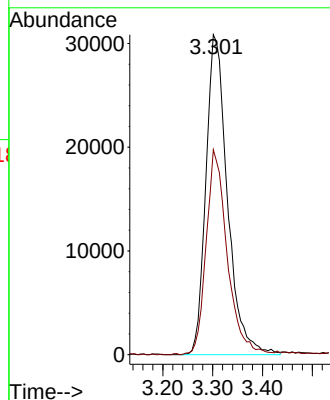
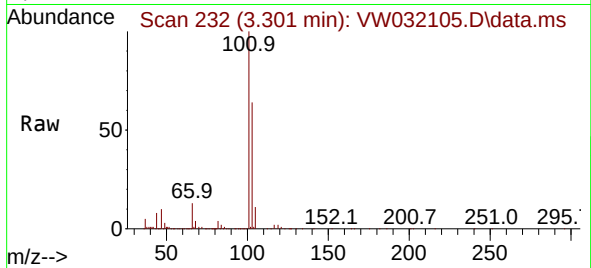




#7
 Trichlorofluoromethane
 Concen: 51.784 ug/l
 RT: 3.301 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VW032105.D
 Acq: 14 Aug 2025 19:32

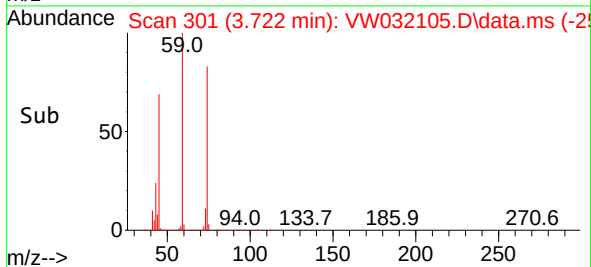
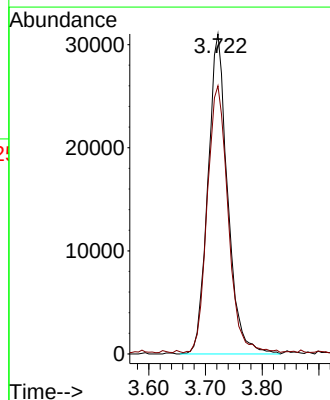
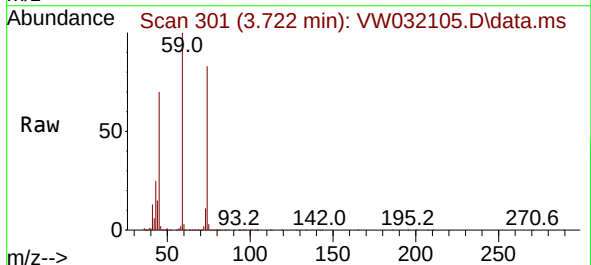
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

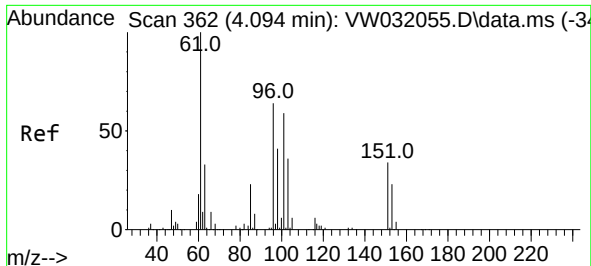
Tgt Ion:101 Resp: 92479
 Ion Ratio Lower Upper
 101 100
 103 64.0 53.4 80.0



#8
 Diethyl Ether
 Concen: 51.265 ug/l
 RT: 3.722 min Scan# 301
 Delta R.T. -0.000 min
 Lab File: VW032105.D
 Acq: 14 Aug 2025 19:32

Tgt Ion: 74 Resp: 75008
 Ion Ratio Lower Upper
 74 100
 45 88.0 45.4 136.2

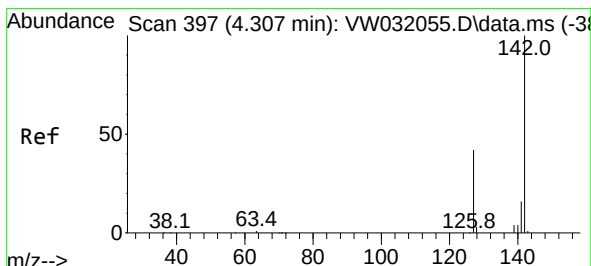
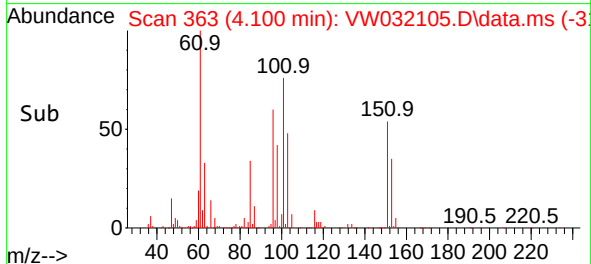
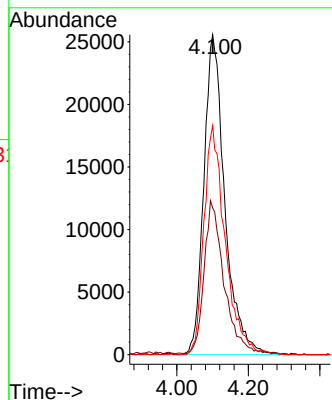
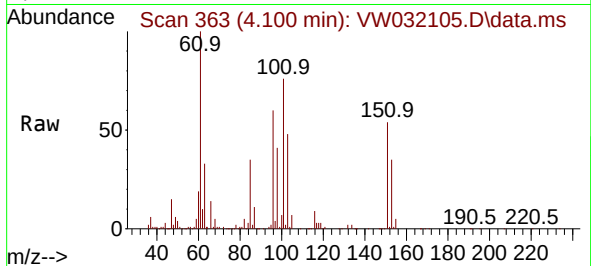




#9
1,1,2-Trichlorotrifluoroethane
Concen: 49.330 ug/l
RT: 4.100 min Scan# 362
Delta R.T. 0.006 min
Lab File: VW032105.D
Acq: 14 Aug 2025 19:32

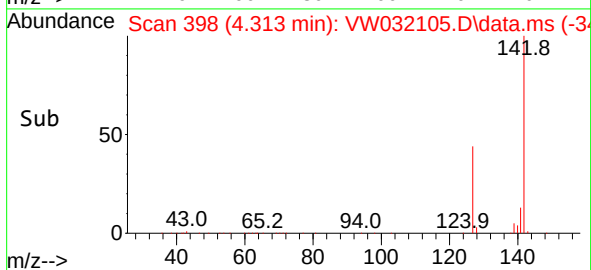
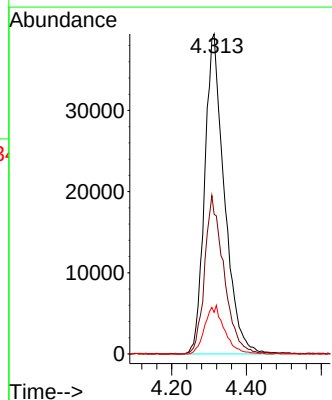
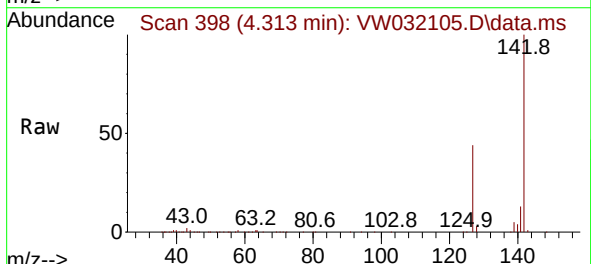
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

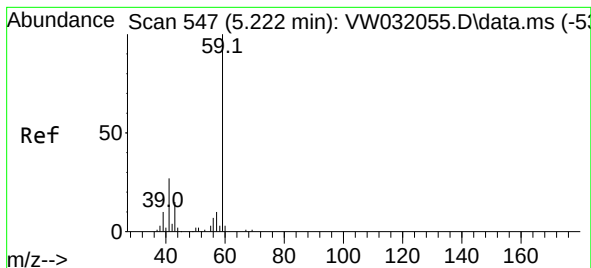
Tgt Ion:101 Resp: 103933
Ion Ratio Lower Upper
101 100
85 45.2 34.9 52.3
151 72.2 56.2 84.4



#10
Methyl Iodide
Concen: 48.234 ug/l
RT: 4.313 min Scan# 398
Delta R.T. 0.006 min
Lab File: VW032105.D
Acq: 14 Aug 2025 19:32

Tgt Ion:142 Resp: 144087
Ion Ratio Lower Upper
142 100
127 48.3 36.6 55.0
141 15.2 12.1 18.1





#11

Tert butyl alcohol

Concen: 206.356 ug/l

RT: 5.228 min Scan# 547

Delta R.T. 0.006 min

Lab File: VW032105.D

Acq: 14 Aug 2025 19:32

Instrument :

MSVOA_W

ClientSampleId :

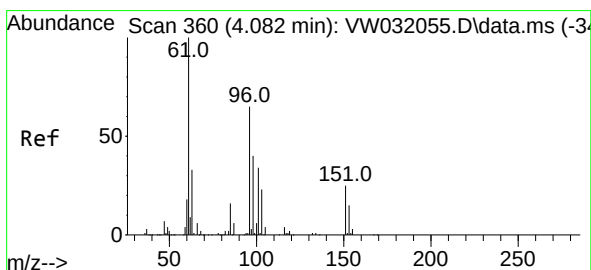
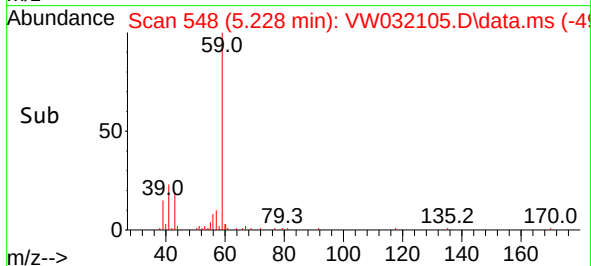
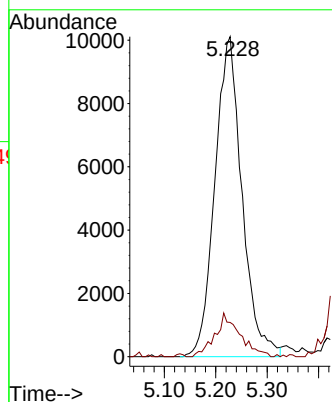
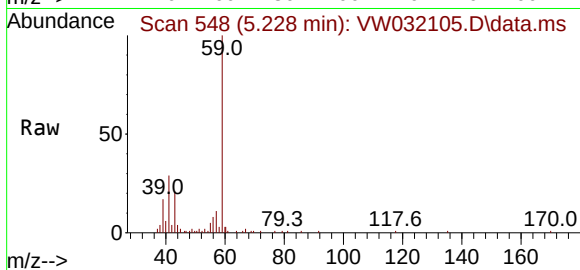
VSTDCCC050EC

Tgt Ion: 59 Resp: 36969

Ion Ratio Lower Upper

59 100

57 12.5 8.7 13.1



#12

1,1-Dichloroethene

Concen: 49.059 ug/l

RT: 4.082 min Scan# 360

Delta R.T. -0.000 min

Lab File: VW032105.D

Acq: 14 Aug 2025 19:32

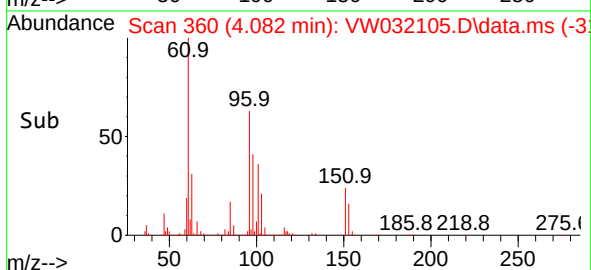
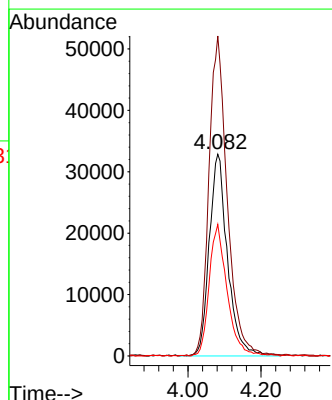
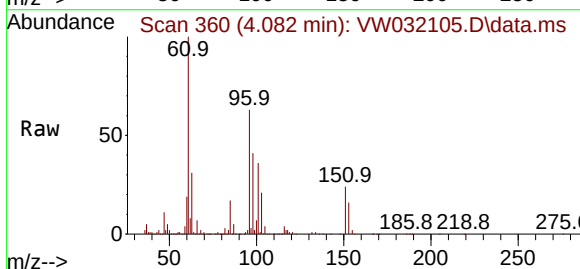
Tgt Ion: 96 Resp: 113815

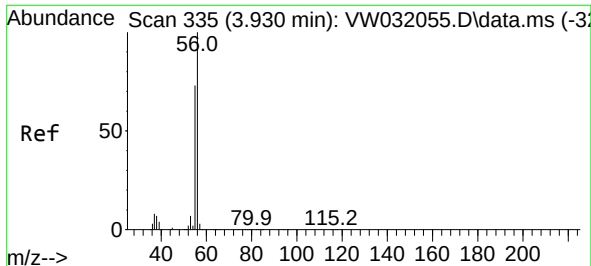
Ion Ratio Lower Upper

96 100

61 158.4 123.4 185.2

98 65.2 49.5 74.3

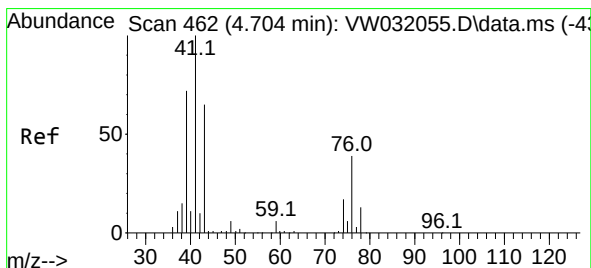
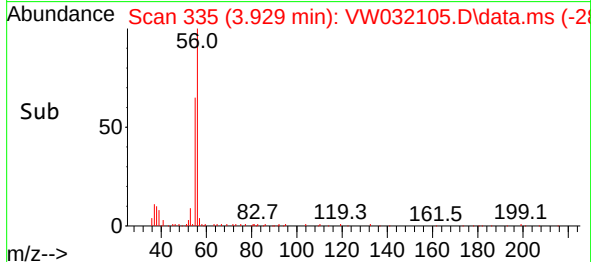
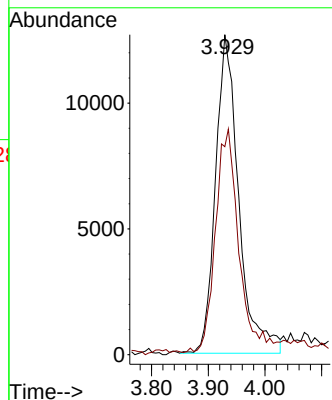
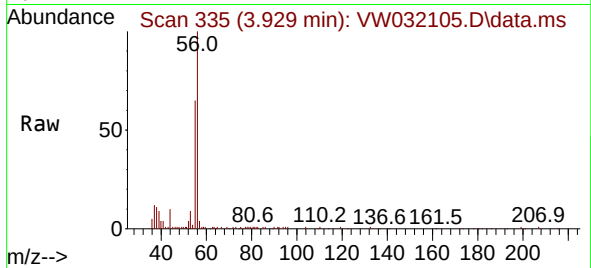




#13
Acrolein
Concen: 126.071 ug/l
RT: 3.929 min Scan# 31
Delta R.T. -0.000 min
Lab File: VW032105.D
Acq: 14 Aug 2025 19:32

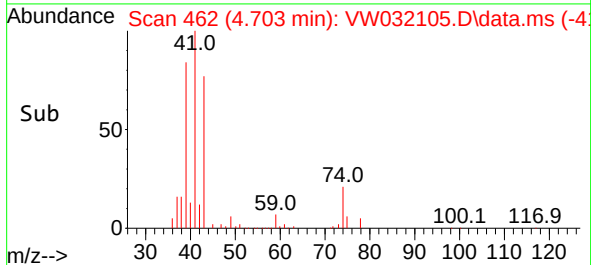
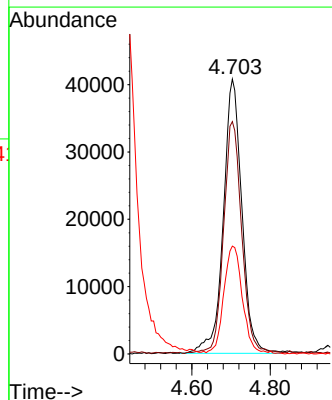
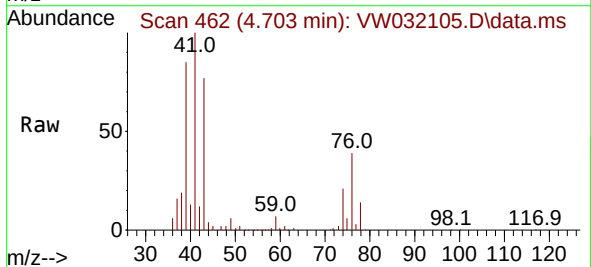
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

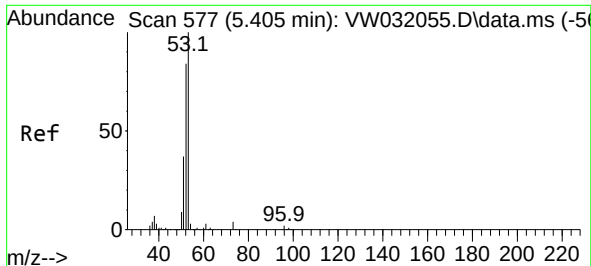
Tgt Ion: 56 Resp: 35987
Ion Ratio Lower Upper
56 100
55 71.4 55.4 83.2



#14
Allyl chloride
Concen: 39.755 ug/l
RT: 4.703 min Scan# 462
Delta R.T. -0.000 min
Lab File: VW032105.D
Acq: 14 Aug 2025 19:32

Tgt Ion: 41 Resp: 134232
Ion Ratio Lower Upper
41 100
39 82.9 54.5 81.7#
76 38.9 29.3 43.9

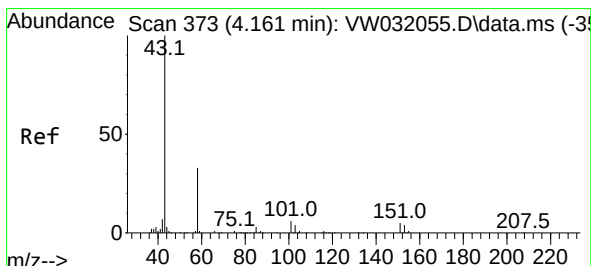
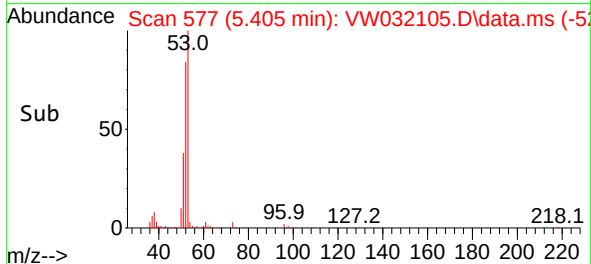
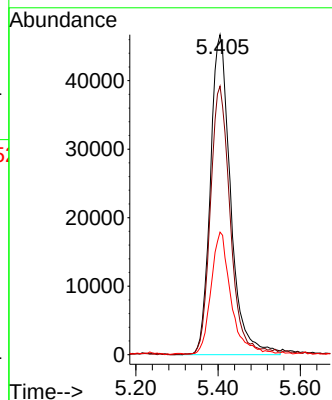
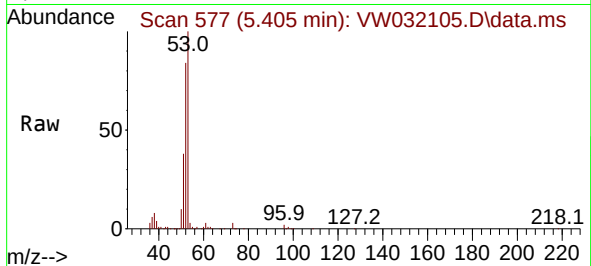




#15
Acrylonitrile
Concen: 229.148 ug/l
RT: 5.405 min Scan# 51
Delta R.T. -0.000 min
Lab File: VW032105.D
Acq: 14 Aug 2025 19:32

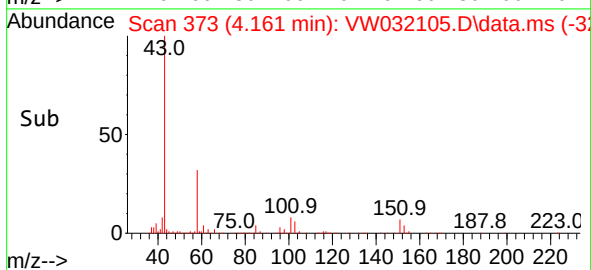
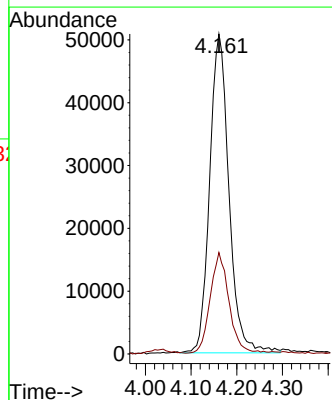
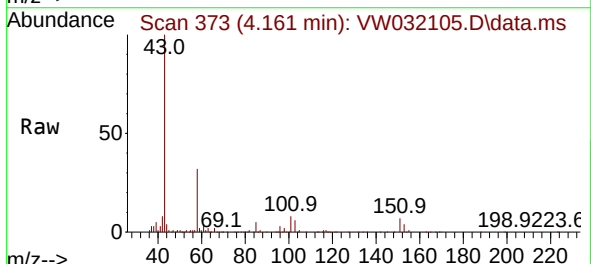
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

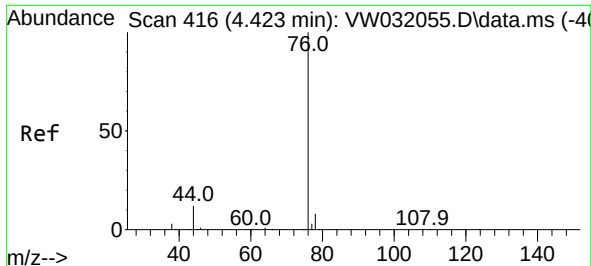
Tgt Ion: 53 Resp: 159692
Ion Ratio Lower Upper
53 100
52 83.6 66.1 99.1
51 37.5 29.2 43.8



#16
Acetone
Concen: 232.009 ug/l
RT: 4.161 min Scan# 373
Delta R.T. -0.000 min
Lab File: VW032105.D
Acq: 14 Aug 2025 19:32

Tgt Ion: 43 Resp: 148614
Ion Ratio Lower Upper
43 100
58 31.4 26.6 39.8

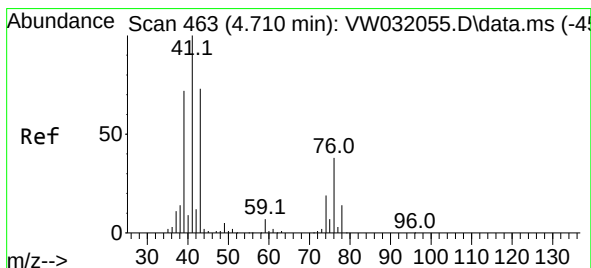
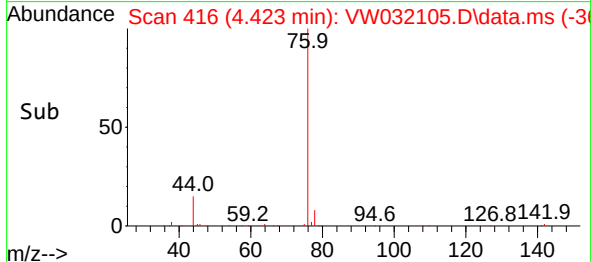
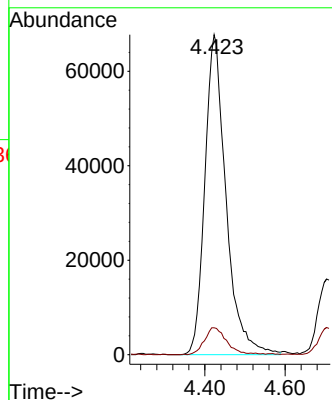
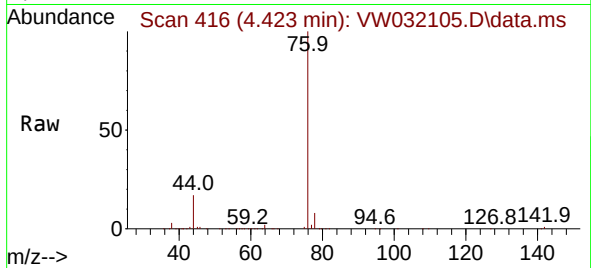




#17
Carbon Disulfide
Concen: 39.816 ug/l
RT: 4.423 min Scan# 416
Delta R.T. -0.000 min
Lab File: VW032105.D
Acq: 14 Aug 2025 19:32

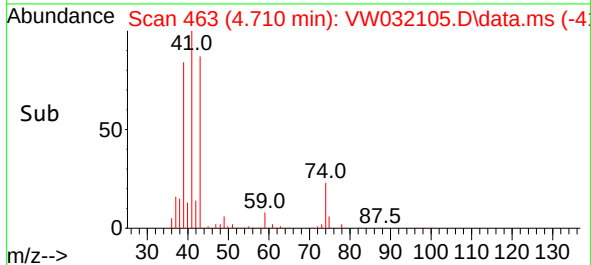
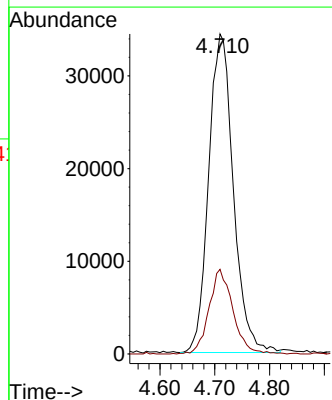
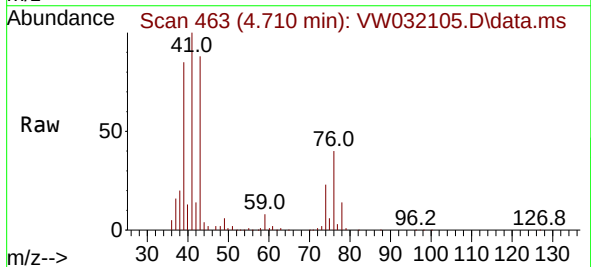
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

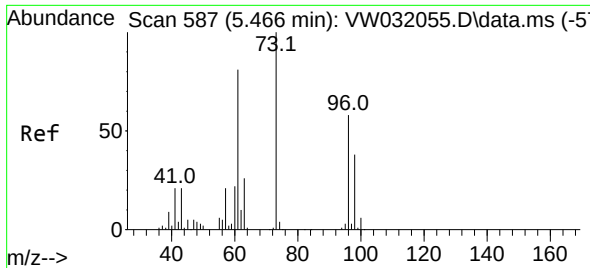
Tgt Ion: 76 Resp: 247936
Ion Ratio Lower Upper
76 100
78 8.4 6.4 9.6



#18
Methyl Acetate
Concen: 53.076 ug/l
RT: 4.710 min Scan# 463
Delta R.T. -0.000 min
Lab File: VW032105.D
Acq: 14 Aug 2025 19:32

Tgt Ion: 43 Resp: 107582
Ion Ratio Lower Upper
43 100
74 25.7 20.6 31.0

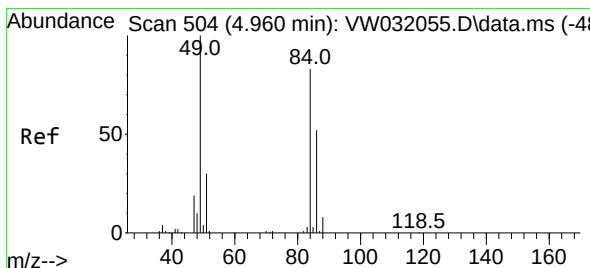
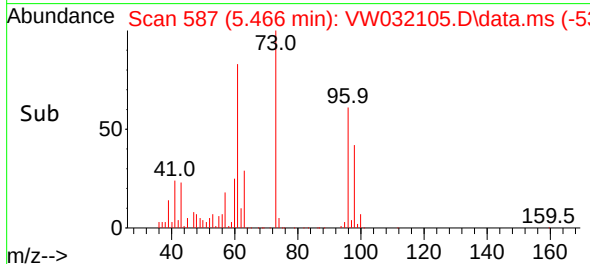
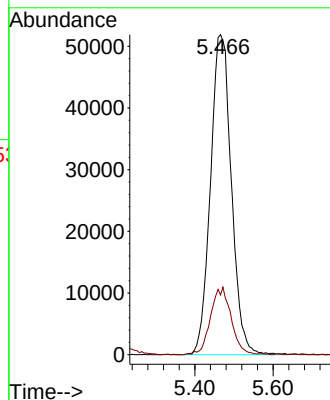
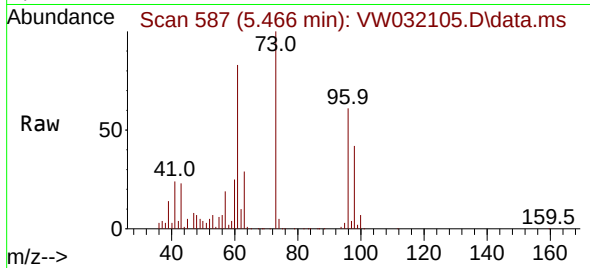




#19
Methyl tert-butyl Ether
Concen: 46.982 ug/l
RT: 5.466 min Scan# 51
Delta R.T. -0.000 min
Lab File: VW032105.D
Acq: 14 Aug 2025 19:32

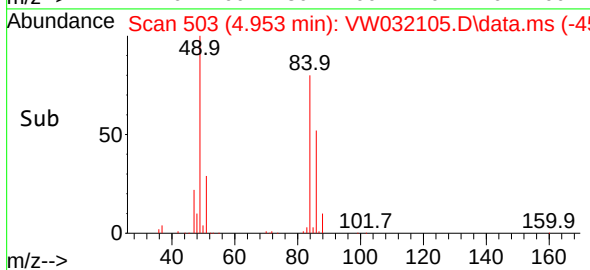
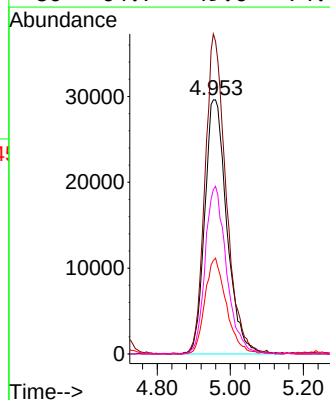
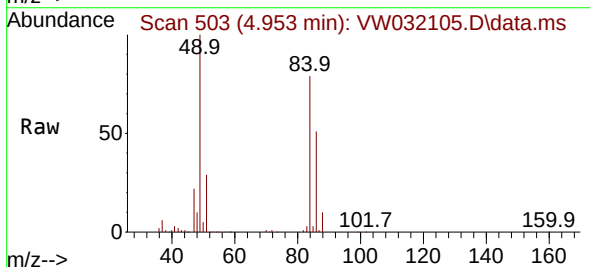
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

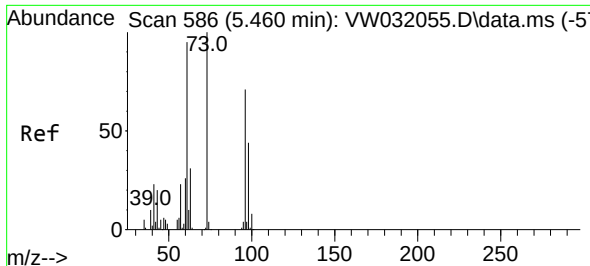
Tgt Ion: 73 Resp: 192043
Ion Ratio Lower Upper
73 100
57 18.6 17.2 25.8



#20
Methylene Chloride
Concen: 41.890 ug/l
RT: 4.953 min Scan# 503
Delta R.T. -0.006 min
Lab File: VW032105.D
Acq: 14 Aug 2025 19:32

Tgt Ion: 84 Resp: 124065
Ion Ratio Lower Upper
84 100
49 125.7 95.9 143.9
51 36.7 28.6 43.0
86 64.7 49.6 74.4

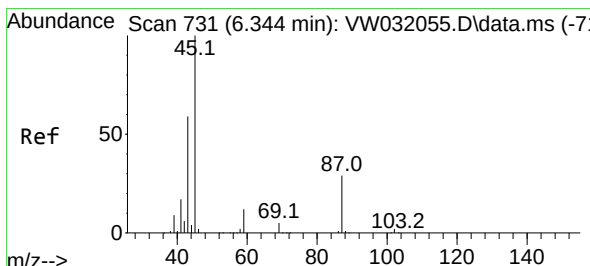
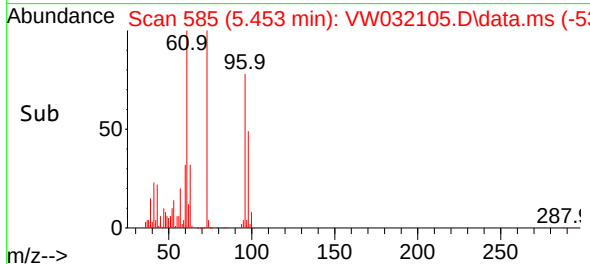
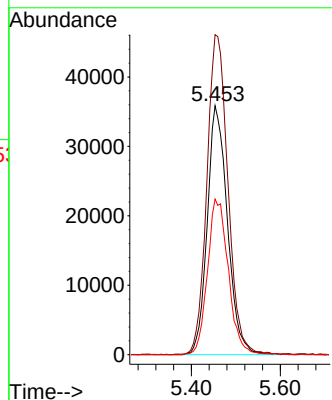
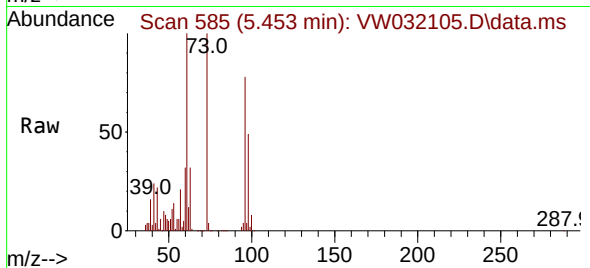




#21
trans-1,2-Dichloroethene
Concen: 46.116 ug/l
RT: 5.453 min Scan# 586
Delta R.T. -0.006 min
Lab File: VW032105.D
Acq: 14 Aug 2025 19:32

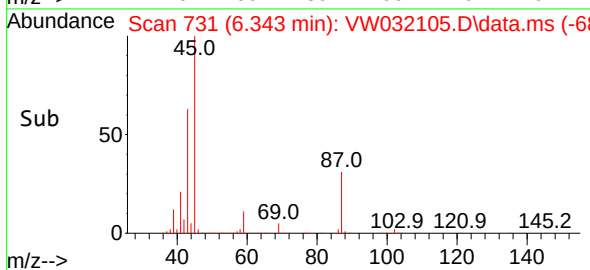
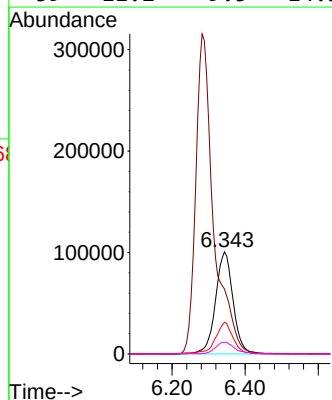
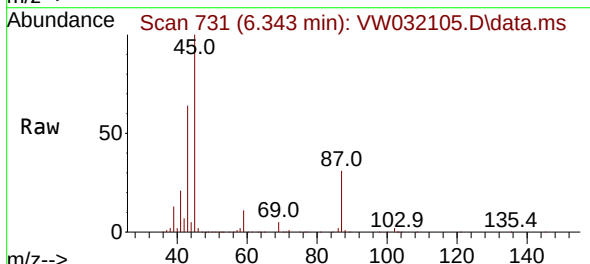
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

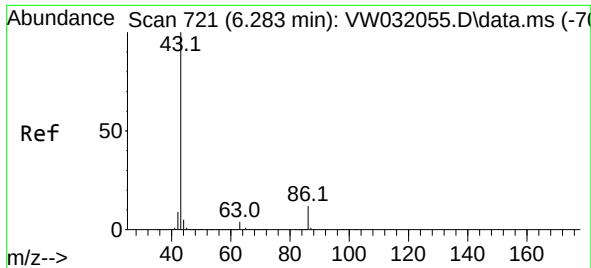
Tgt Ion: 96 Resp: 113537
Ion Ratio Lower Upper
96 100
61 128.3 106.8 160.2
98 62.5 49.6 74.4



#22
Diisopropyl ether
Concen: 47.159 ug/l
RT: 6.343 min Scan# 731
Delta R.T. -0.000 min
Lab File: VW032105.D
Acq: 14 Aug 2025 19:32

Tgt Ion: 45 Resp: 335676
Ion Ratio Lower Upper
45 100
43 63.2 47.0 70.4
87 31.1 23.8 35.8
59 11.2 9.5 14.3

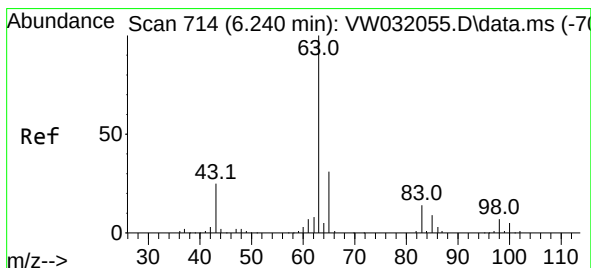
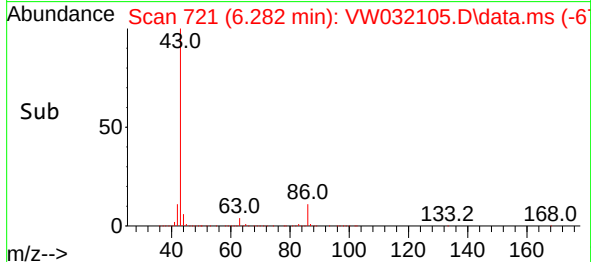
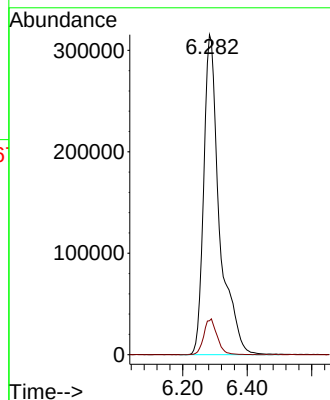
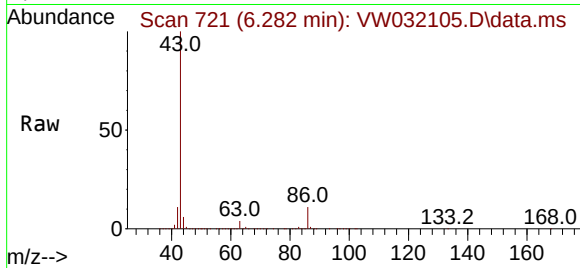




#23
 Vinyl Acetate
 Concen: 229.096 ug/l
 RT: 6.282 min Scan# 715
 Delta R.T. -0.000 min
 Lab File: VW032105.D
 Acq: 14 Aug 2025 19:32

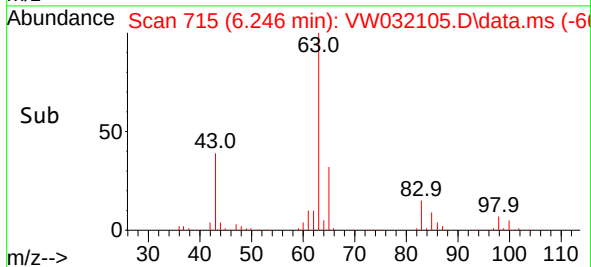
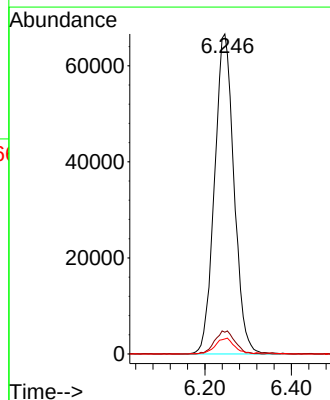
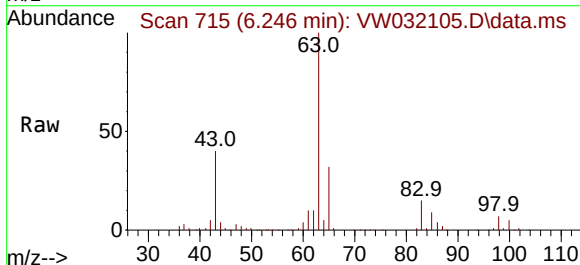
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

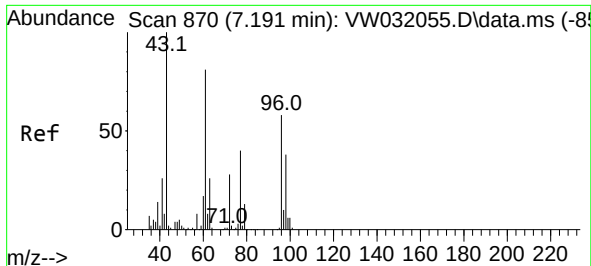
Tgt Ion: 43 Resp: 1070647
 Ion Ratio Lower Upper
 43 100
 86 10.6 9.4 14.0



#24
 1,1-Dichloroethane
 Concen: 45.846 ug/l
 RT: 6.246 min Scan# 715
 Delta R.T. 0.006 min
 Lab File: VW032105.D
 Acq: 14 Aug 2025 19:32

Tgt Ion: 63 Resp: 208500
 Ion Ratio Lower Upper
 63 100
 98 6.8 3.7 11.1
 100 4.7 2.5 7.4

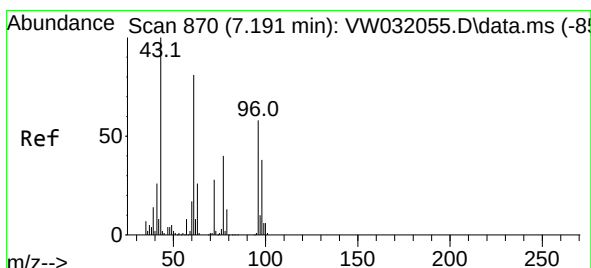
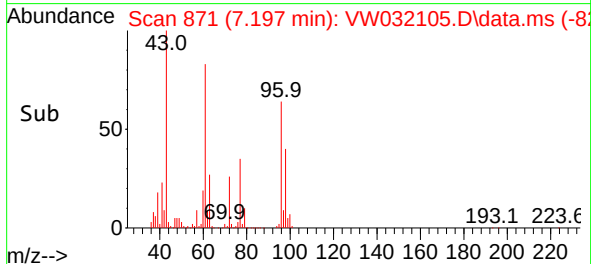
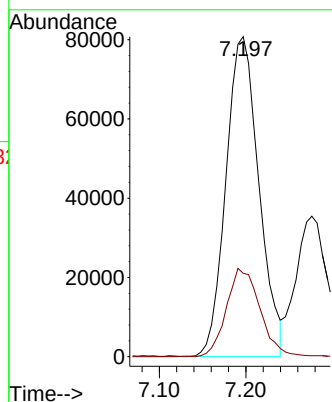
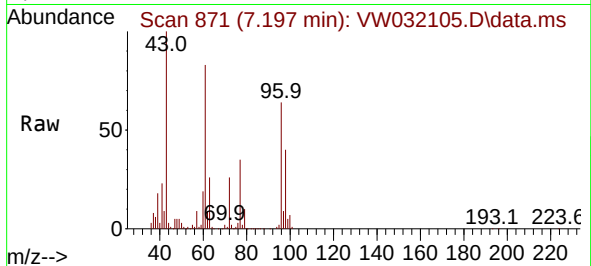




#25
2-Butanone
Concen: 234.553 ug/l
RT: 7.197 min Scan# 81
Delta R.T. 0.006 min
Lab File: VW032105.D
Acq: 14 Aug 2025 19:32

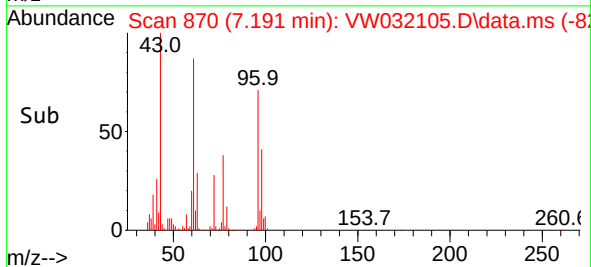
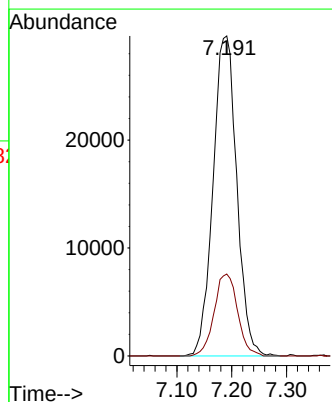
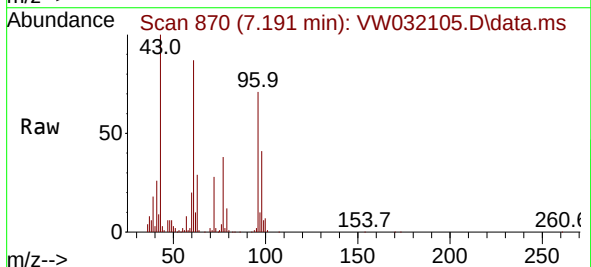
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

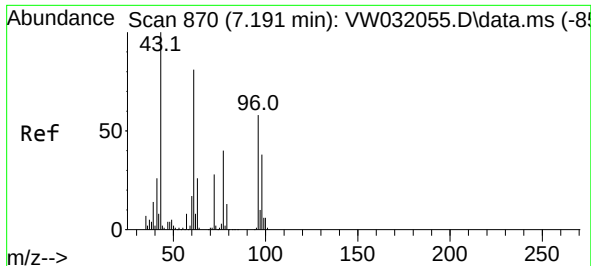
Tgt Ion: 43 Resp: 213535
Ion Ratio Lower Upper
43 100
72 26.0 22.3 33.5



#26
2,2-Dichloropropane
Concen: 39.077 ug/l
RT: 7.191 min Scan# 870
Delta R.T. -0.000 min
Lab File: VW032105.D
Acq: 14 Aug 2025 19:32

Tgt Ion: 77 Resp: 89156
Ion Ratio Lower Upper
77 100
97 25.3 12.3 36.9





#27

cis-1,2-Dichloroethene

Concen: 49.023 ug/l

RT: 7.191 min Scan# 81

Delta R.T. -0.000 min

Lab File: VW032105.D

Acq: 14 Aug 2025 19:32

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

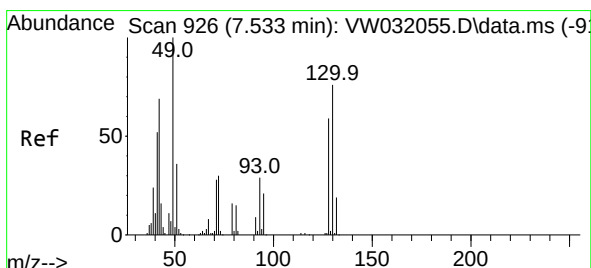
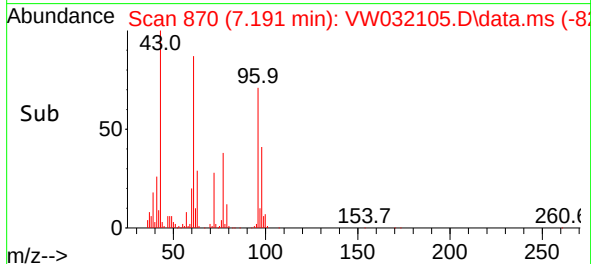
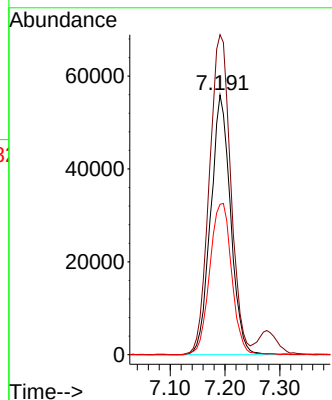
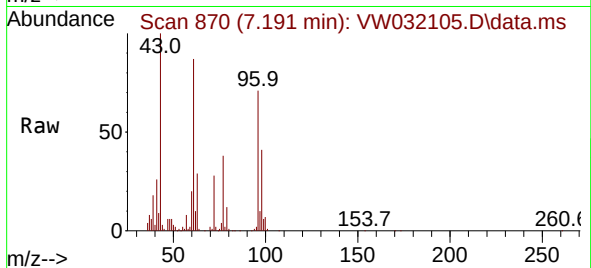
Tgt Ion: 96 Resp: 141078

Ion Ratio Lower Upper

96 100

61 132.2 0.0 281.2

98 63.9 0.0 130.8



#28

Bromochloromethane

Concen: 51.150 ug/l

RT: 7.532 min Scan# 926

Delta R.T. -0.000 min

Lab File: VW032105.D

Acq: 14 Aug 2025 19:32

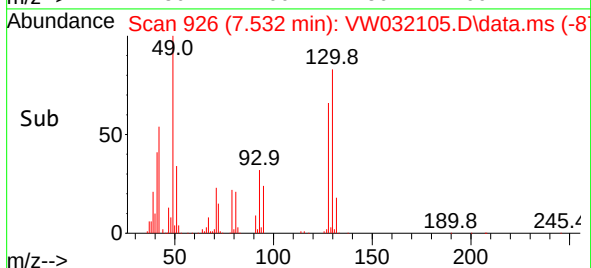
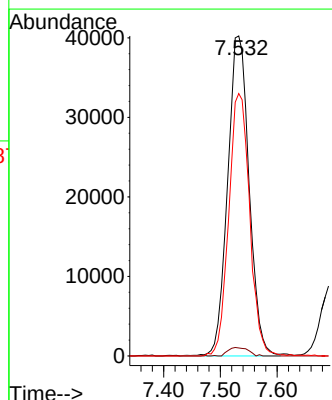
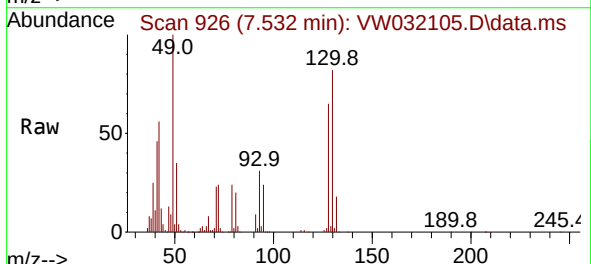
Tgt Ion: 49 Resp: 105860

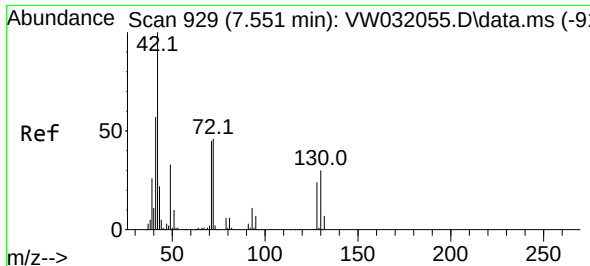
Ion Ratio Lower Upper

49 100

129 2.5 0.0 4.2

130 79.6 61.9 92.9

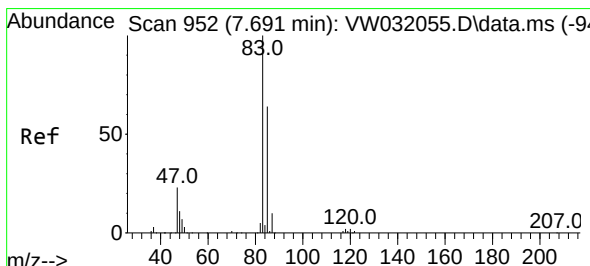
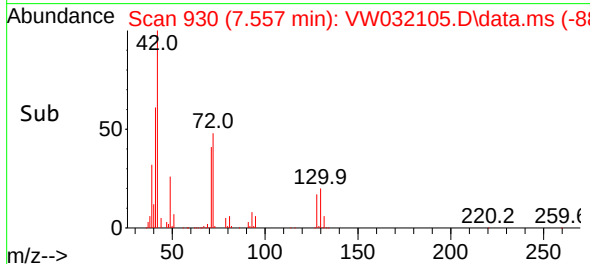
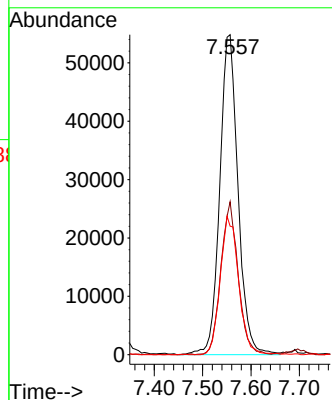
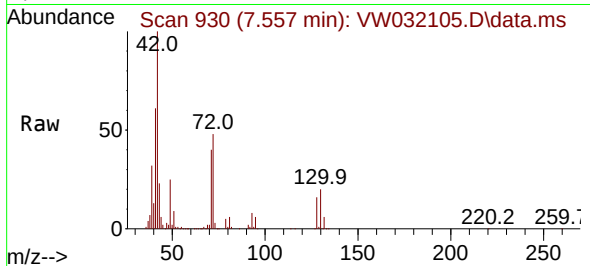




#29
Tetrahydrofuran
Concen: 239.596 ug/l
RT: 7.557 min Scan# 91
Delta R.T. 0.006 min
Lab File: VW032105.D
Acq: 14 Aug 2025 19:32

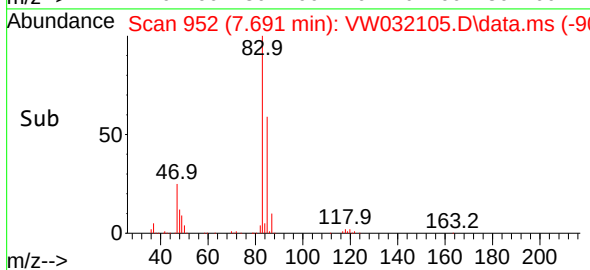
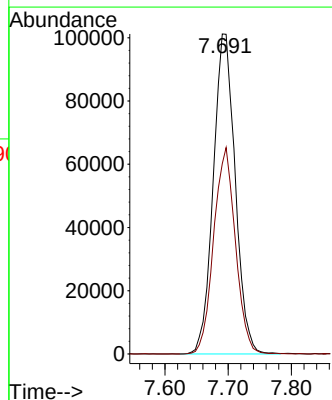
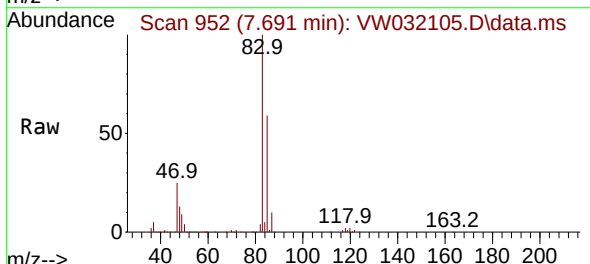
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

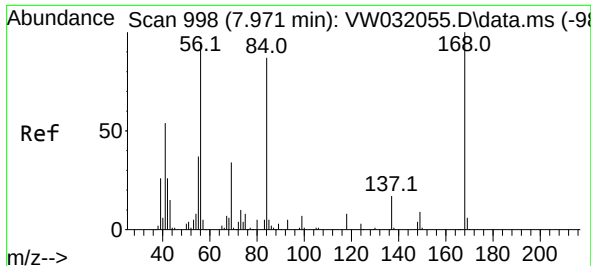
Tgt Ion: 42 Resp: 143851
Ion Ratio Lower Upper
42 100
72 45.4 36.6 55.0
71 43.5 34.7 52.1



#30
Chloroform
Concen: 50.525 ug/l
RT: 7.691 min Scan# 952
Delta R.T. -0.000 min
Lab File: VW032105.D
Acq: 14 Aug 2025 19:32

Tgt Ion: 83 Resp: 243601
Ion Ratio Lower Upper
83 100
85 59.4 51.0 76.4

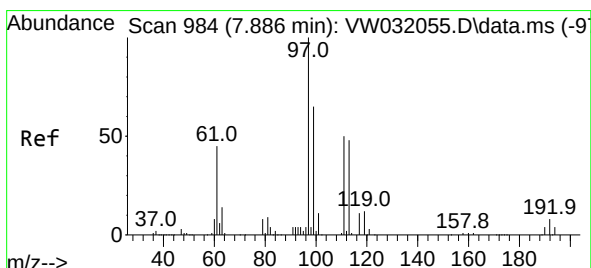
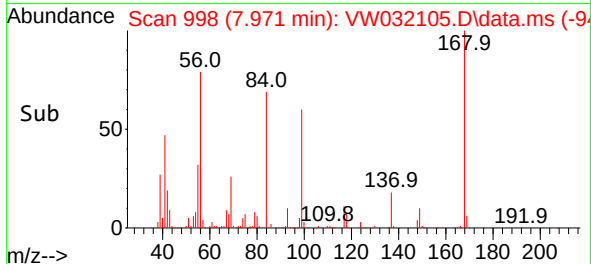
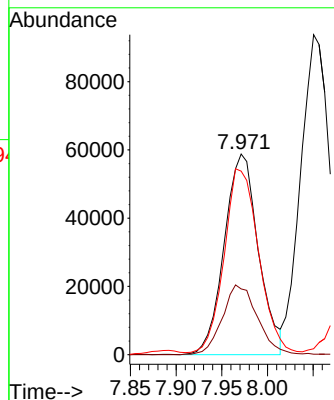
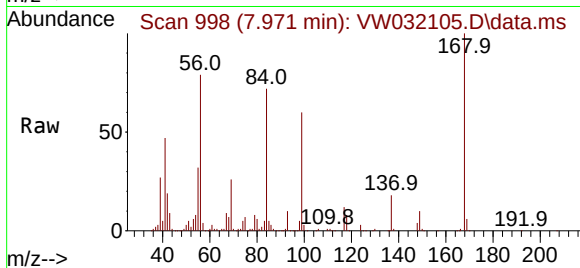




#31
Cyclohexane
Concen: 38.784 ug/l
RT: 7.971 min Scan# 998
Delta R.T. -0.000 min
Lab File: VW032105.D
Acq: 14 Aug 2025 19:32

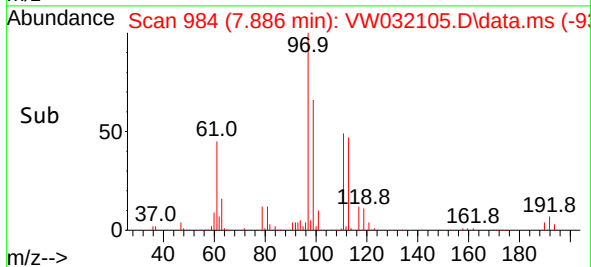
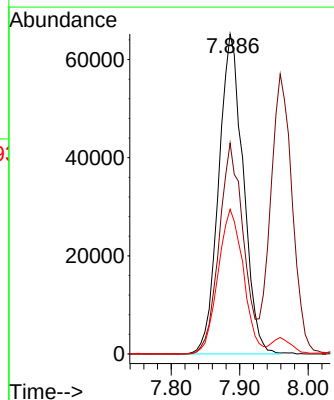
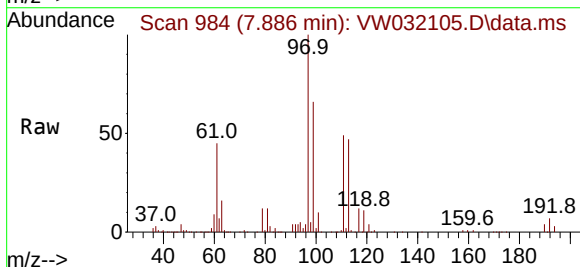
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

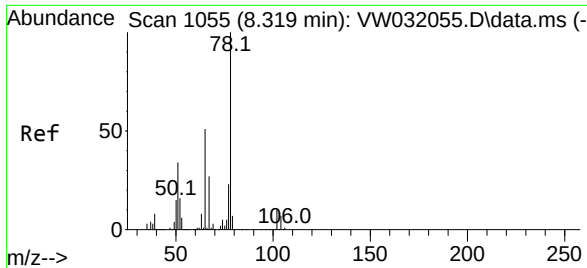
Tgt Ion:	56	Resp:	152916
Ion	Ratio	Lower	Upper
56	100		
69	32.8	28.6	42.8
84	90.3	73.0	109.4



#32
1,1,1-Trichloroethane
Concen: 46.176 ug/l
RT: 7.886 min Scan# 984
Delta R.T. -0.000 min
Lab File: VW032105.D
Acq: 14 Aug 2025 19:32

Tgt Ion:	97	Resp:	161712
Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.8	77.8
61	46.8	35.9	53.9

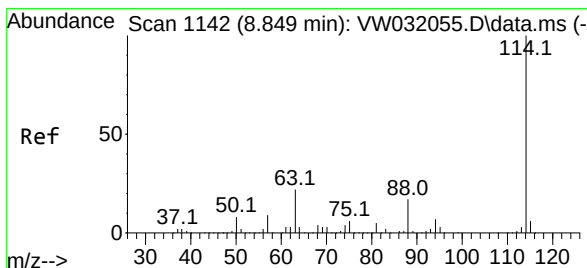
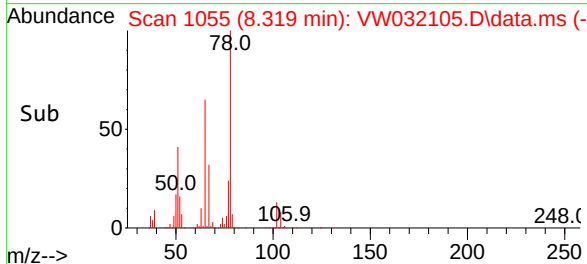
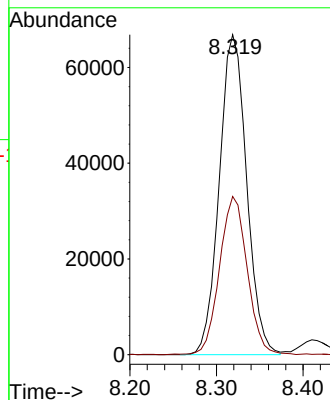
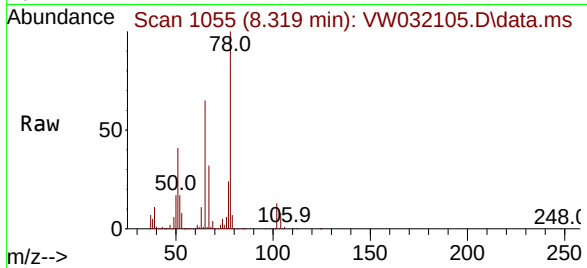




#33
 1,2-Dichloroethane-d4
 Concen: 53.028 ug/l
 RT: 8.319 min Scan# 1055
 Delta R.T. -0.000 min
 Lab File: VW032105.D
 Acq: 14 Aug 2025 19:32

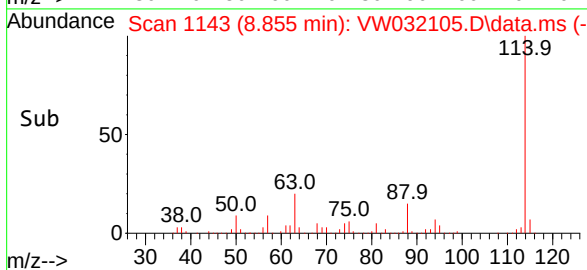
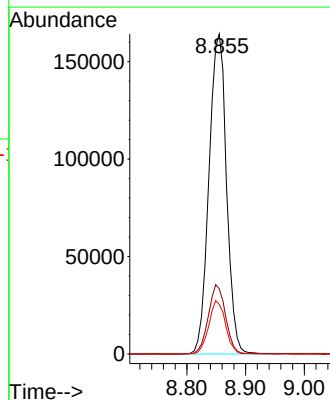
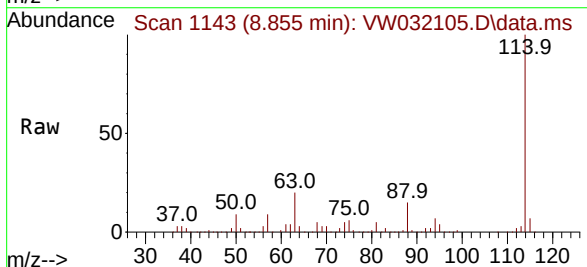
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

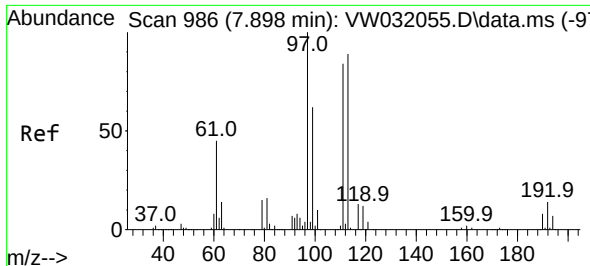
Tgt Ion: 65 Resp: 146710
 Ion Ratio Lower Upper
 65 100
 67 50.1 0.0 102.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.855 min Scan# 1143
 Delta R.T. 0.006 min
 Lab File: VW032105.D
 Acq: 14 Aug 2025 19:32

Tgt Ion: 114 Resp: 340189
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 43.0
 88 15.5 0.0 33.8

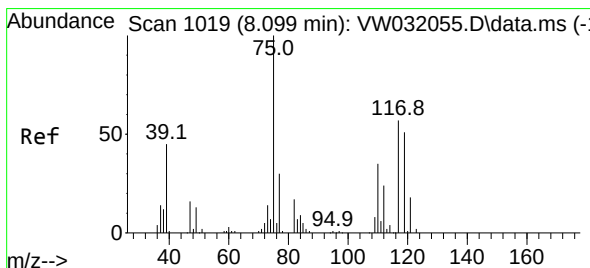
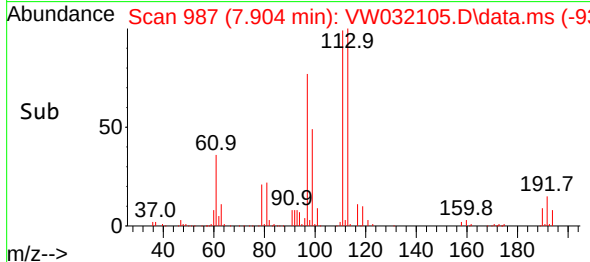
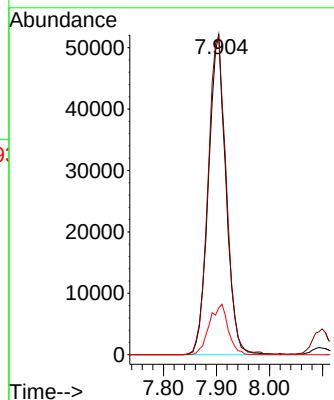
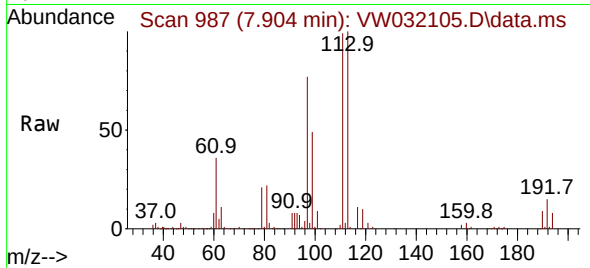




#35
Dibromofluoromethane
Concen: 54.222 ug/l
RT: 7.904 min Scan# 91
Delta R.T. 0.006 min
Lab File: VW032105.D
Acq: 14 Aug 2025 19:32

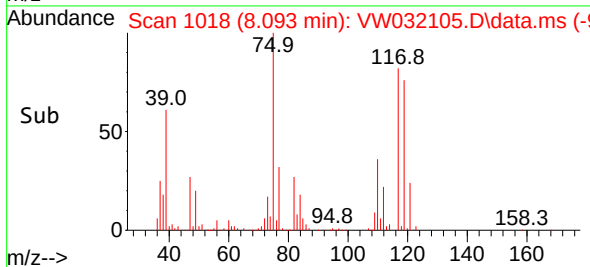
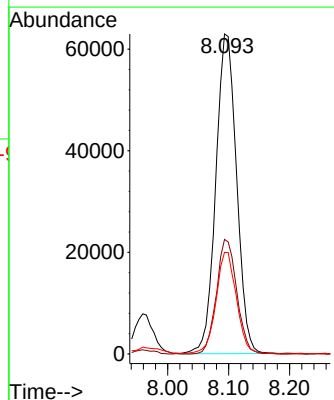
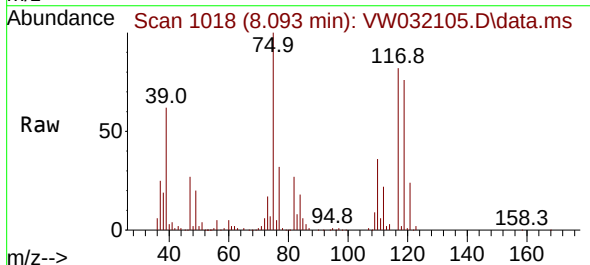
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

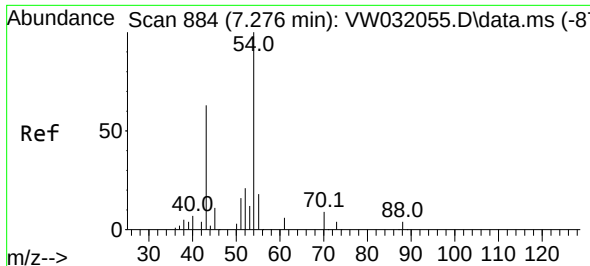
Tgt Ion:113 Resp: 119167
Ion Ratio Lower Upper
113 100
111 103.6 80.1 120.1
192 17.0 13.1 19.7



#36
1,1-Dichloropropene
Concen: 48.076 ug/l
RT: 8.093 min Scan# 1018
Delta R.T. -0.006 min
Lab File: VW032105.D
Acq: 14 Aug 2025 19:32

Tgt Ion: 75 Resp: 148951
Ion Ratio Lower Upper
75 100
110 35.0 17.4 52.2
77 31.4 24.7 37.1





#37

Ethyl Acetate

Concen: 50.898 ug/l

RT: 7.276 min Scan# 884

Delta R.T. -0.000 min

Lab File: VW032105.D

Acq: 14 Aug 2025 19:32

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

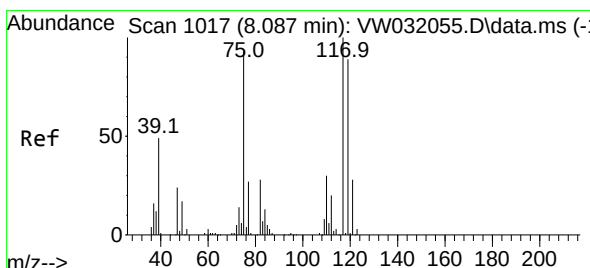
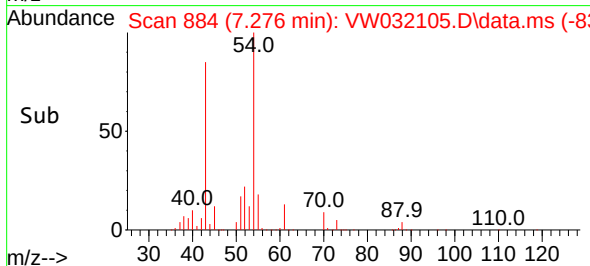
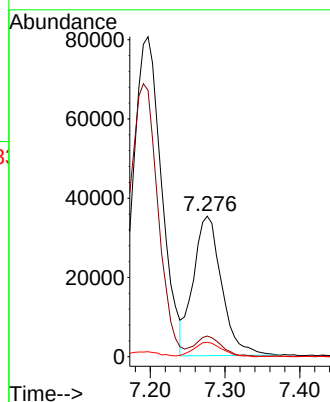
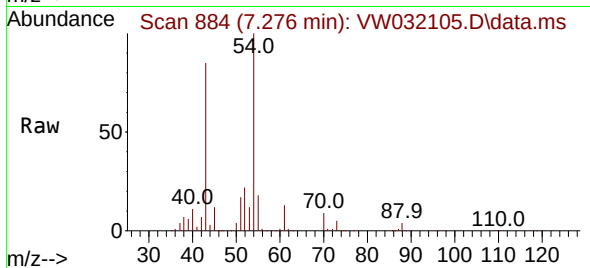
Tgt Ion: 43 Resp: 92875

Ion Ratio Lower Upper

43 100

61 13.6 11.8 17.6

70 10.3 9.4 14.0



#38

Carbon Tetrachloride

Concen: 51.129 ug/l

RT: 8.081 min Scan# 1016

Delta R.T. -0.006 min

Lab File: VW032105.D

Acq: 14 Aug 2025 19:32

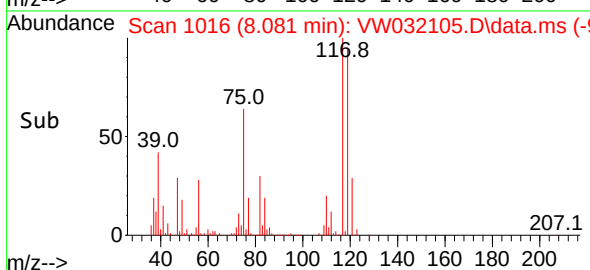
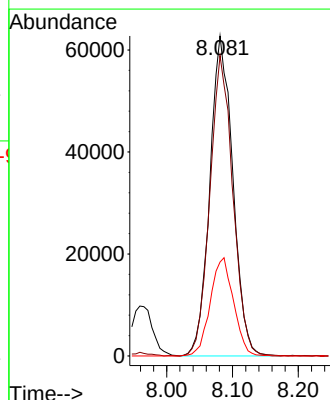
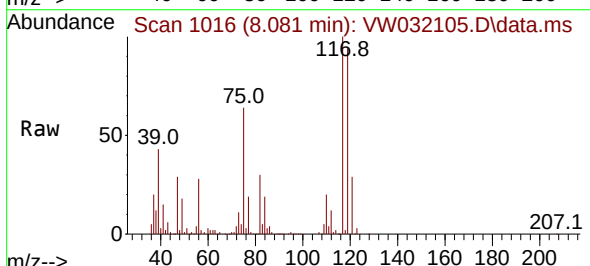
Tgt Ion: 117 Resp: 152872

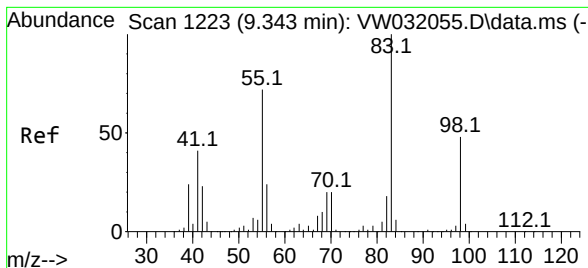
Ion Ratio Lower Upper

117 100

119 93.8 71.4 107.2

121 29.3 22.3 33.5

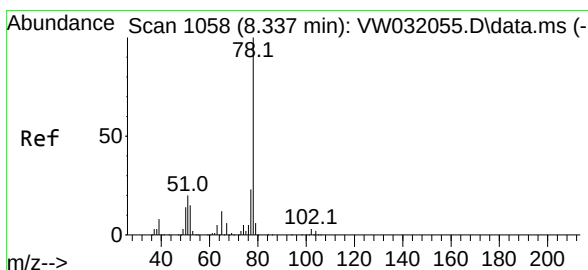
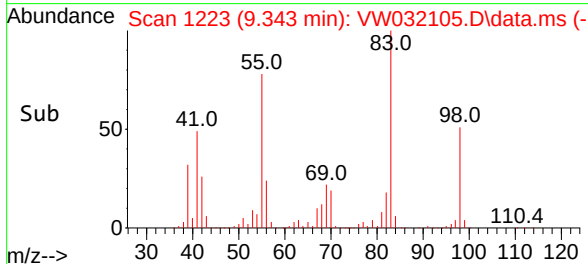
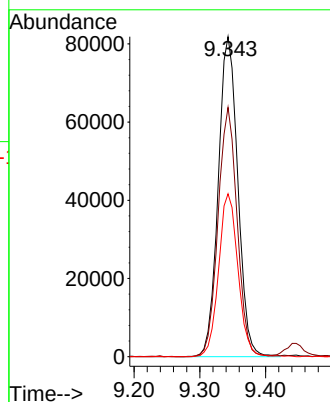
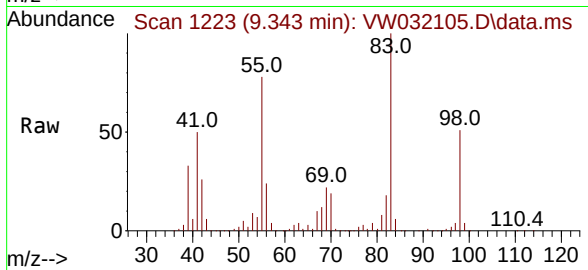




#39
Methylcyclohexane
Concen: 44.891 ug/l
RT: 9.343 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW032105.D
Acq: 14 Aug 2025 19:32

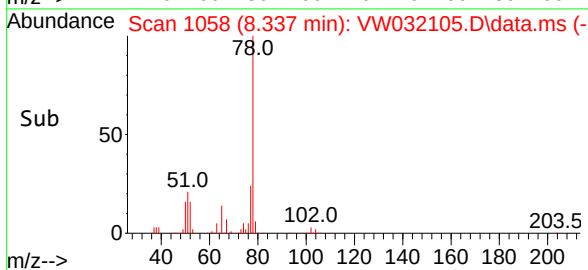
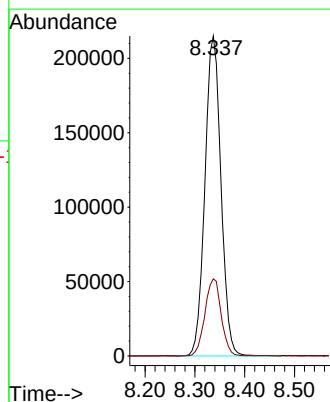
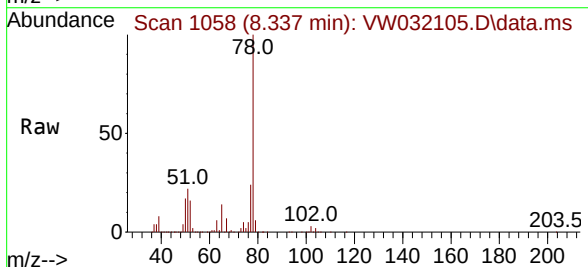
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

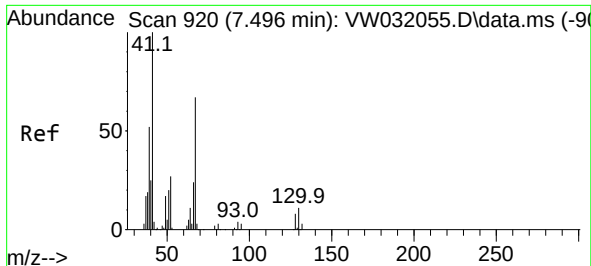
Tgt Ion: 83 Resp: 169525
Ion Ratio Lower Upper
83 100
55 77.9 57.9 86.9
98 50.9 38.3 57.5



#40
Benzene
Concen: 49.865 ug/l
RT: 8.337 min Scan# 1058
Delta R.T. -0.000 min
Lab File: VW032105.D
Acq: 14 Aug 2025 19:32

Tgt Ion: 78 Resp: 480231
Ion Ratio Lower Upper
78 100
77 24.1 18.4 27.6

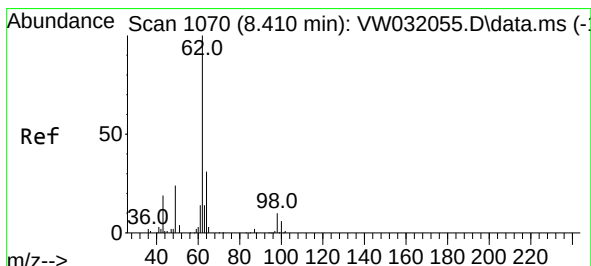
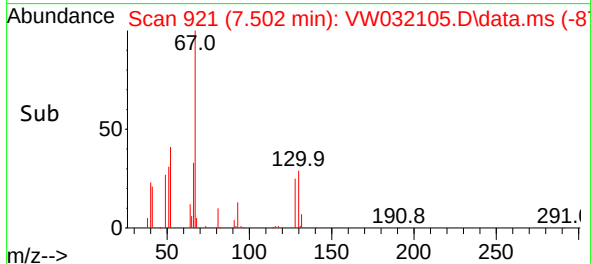
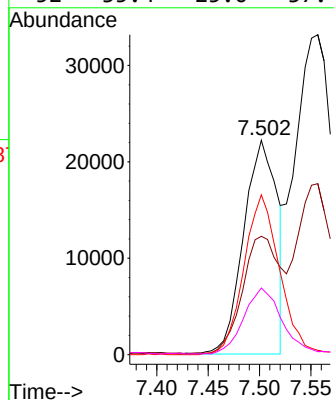
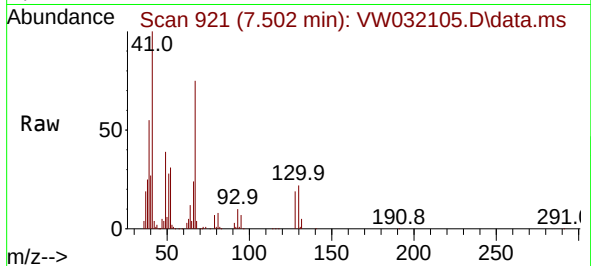




#41
Methacrylonitrile
Concen: 48.528 ug/l
RT: 7.502 min Scan# 91
Delta R.T. 0.006 min
Lab File: VW032105.D
Acq: 14 Aug 2025 19:32

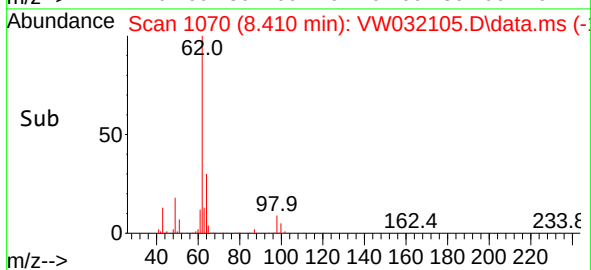
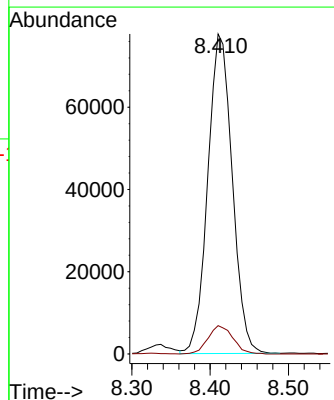
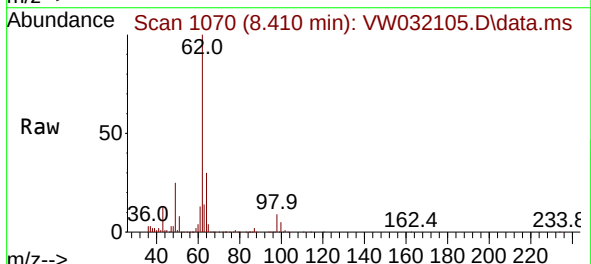
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

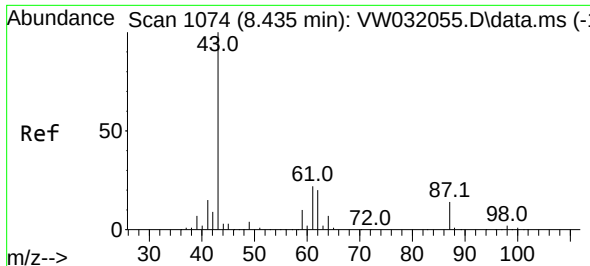
Tgt Ion:	41	Resp:	50217
Ion	Ratio	Lower	Upper
41	100		
39	63.7	42.6	63.8
67	80.8	61.0	91.4
52	35.4	25.0	37.4



#42
1,2-Dichloroethane
Concen: 54.726 ug/l
RT: 8.410 min Scan# 1070
Delta R.T. -0.000 min
Lab File: VW032105.D
Acq: 14 Aug 2025 19:32

Tgt Ion:	62	Resp:	168647
Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	19.8

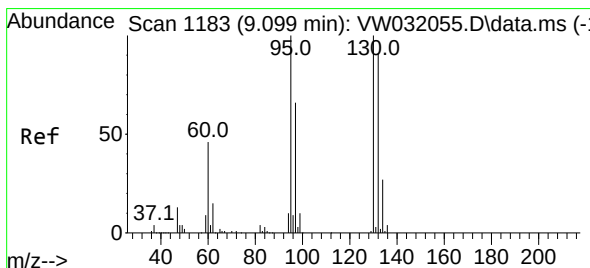
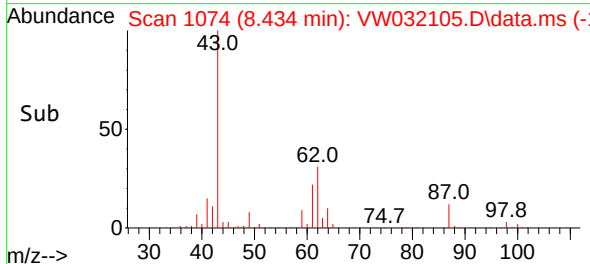
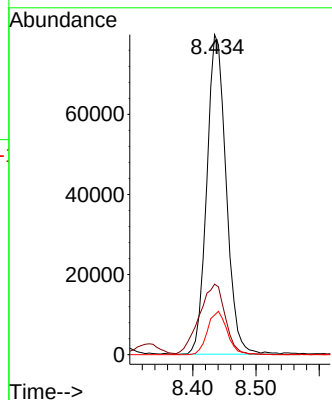
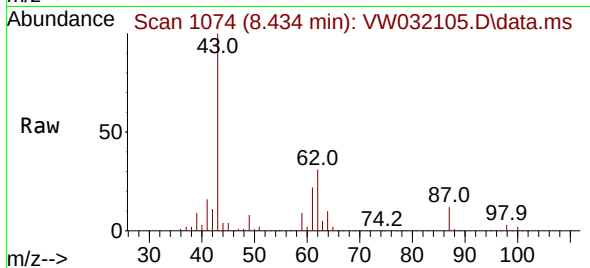




#43
Isopropyl Acetate
Concen: 50.564 ug/l
RT: 8.434 min Scan# 1107
Delta R.T. -0.000 min
Lab File: VW032105.D
Acq: 14 Aug 2025 19:32

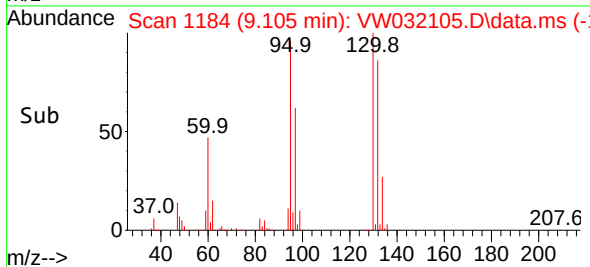
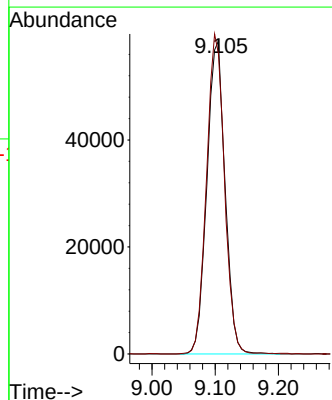
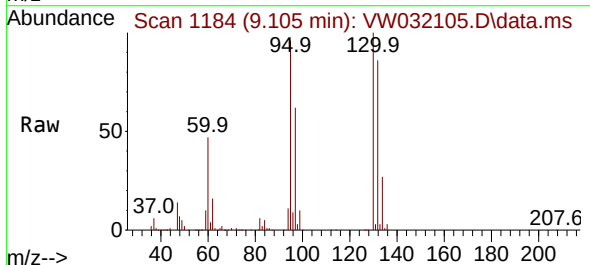
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

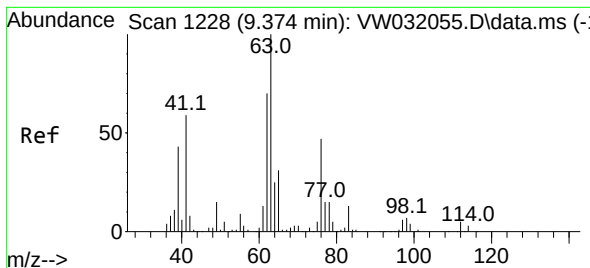
Tgt Ion: 43 Resp: 169753
Ion Ratio Lower Upper
43 100
61 29.7 23.8 35.8
87 13.9 11.7 17.5



#44
Trichloroethene
Concen: 50.915 ug/l
RT: 9.105 min Scan# 1184
Delta R.T. 0.006 min
Lab File: VW032105.D
Acq: 14 Aug 2025 19:32

Tgt Ion:130 Resp: 116771
Ion Ratio Lower Upper
130 100
95 95.8 0.0 200.6





#45

1,2-Dichloropropane

Concen: 49.769 ug/l

RT: 9.373 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW032105.D

Acq: 14 Aug 2025 19:32

Instrument :

MSVOA_W

ClientSampleId :

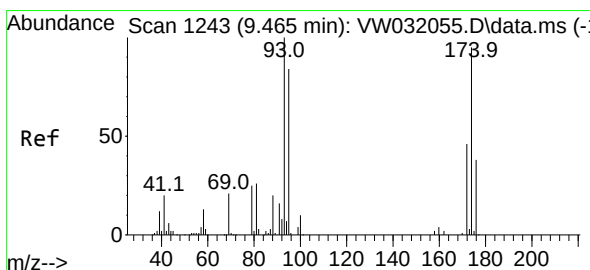
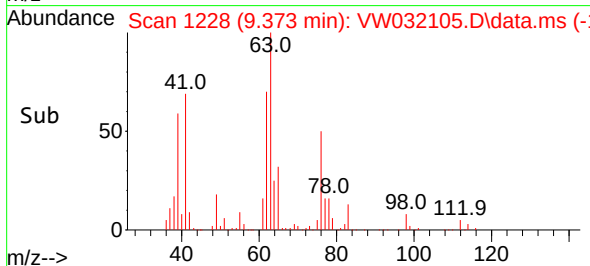
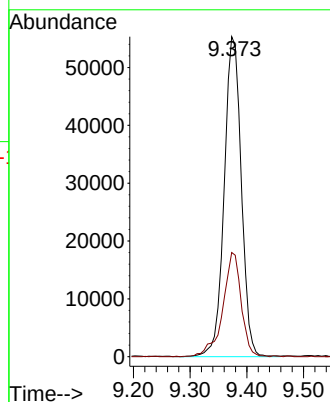
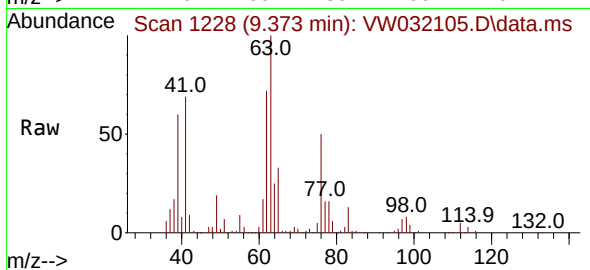
VSTDCCC050EC

Tgt Ion: 63 Resp: 115794

Ion Ratio Lower Upper

63 100

65 32.6 24.6 36.8



#46

Dibromomethane

Concen: 53.105 ug/l

RT: 9.465 min Scan# 1243

Delta R.T. -0.000 min

Lab File: VW032105.D

Acq: 14 Aug 2025 19:32

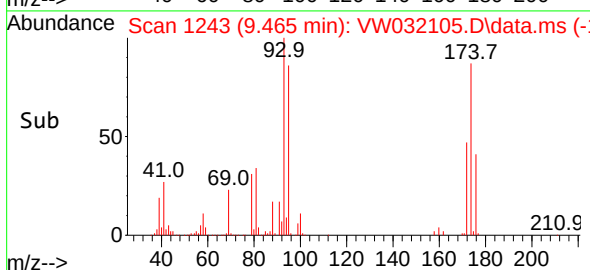
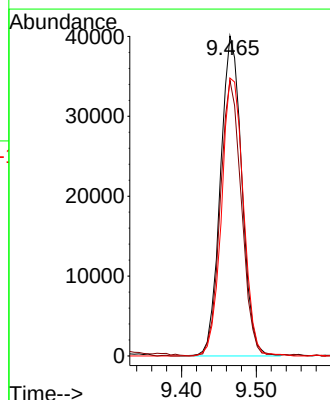
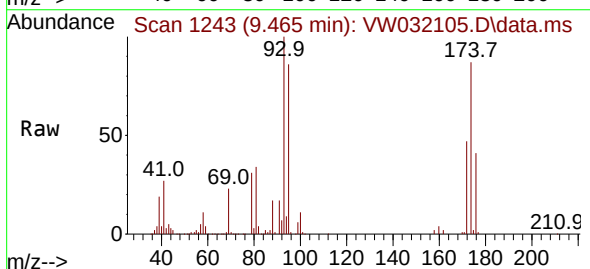
Tgt Ion: 93 Resp: 79744

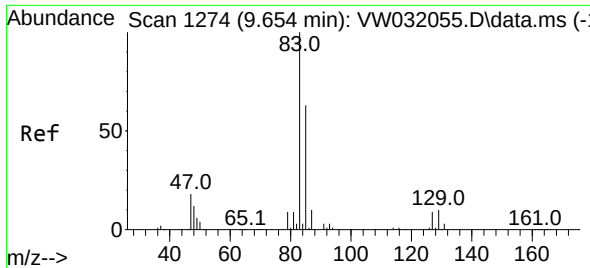
Ion Ratio Lower Upper

93 100

95 85.2 65.3 97.9

174 88.7 68.6 102.8

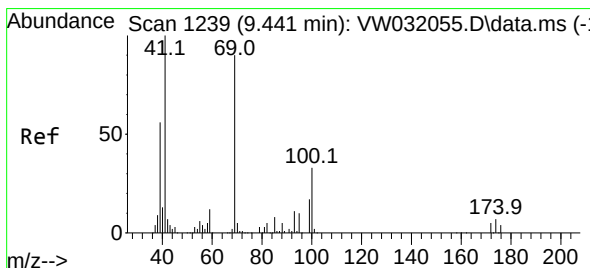
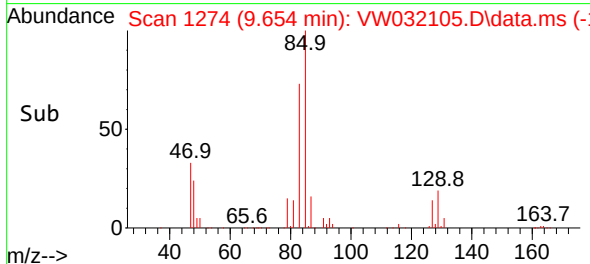
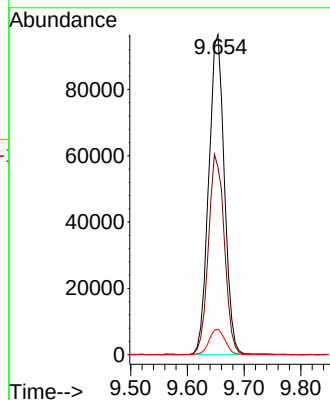
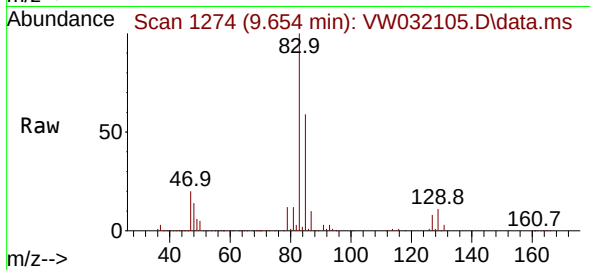




#47
Bromodichloromethane
Concen: 53.359 ug/l
RT: 9.654 min Scan# 1274
Delta R.T. -0.000 min
Lab File: VW032105.D
Acq: 14 Aug 2025 19:32

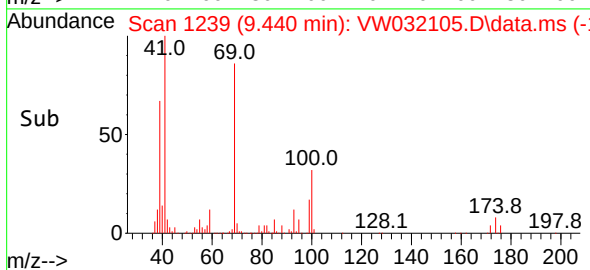
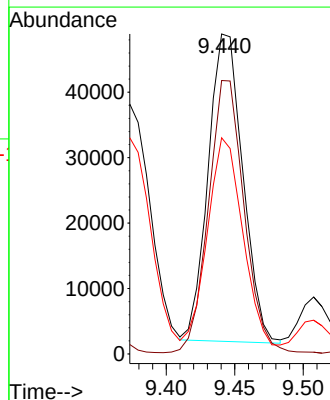
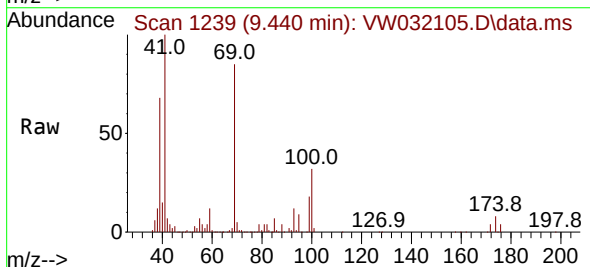
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

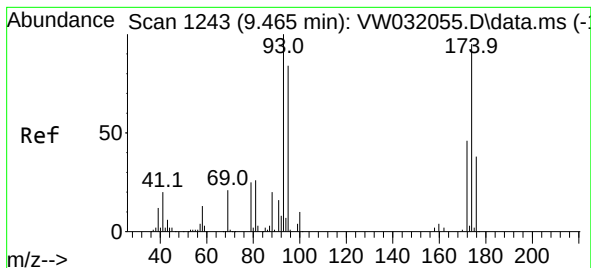
Tgt Ion:	83	Resp:	184629
Ion	Ratio	Lower	Upper
83	100		
85	58.6	50.6	75.8
127	8.0	6.9	10.3



#48
Methyl methacrylate
Concen: 50.886 ug/l
RT: 9.440 min Scan# 1239
Delta R.T. -0.000 min
Lab File: VW032105.D
Acq: 14 Aug 2025 19:32

Tgt Ion:	41	Resp:	82474
Ion	Ratio	Lower	Upper
41	100		
69	91.9	73.0	109.6
39	74.0	45.0	67.4#





#49

1,4-Dioxane

Concen: 1041.083 ug/l

RT: 9.459 min Scan# 11

Delta R.T. -0.006 min

Lab File: VW032105.D

Acq: 14 Aug 2025 19:32

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

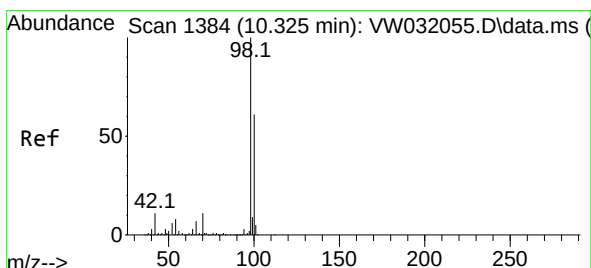
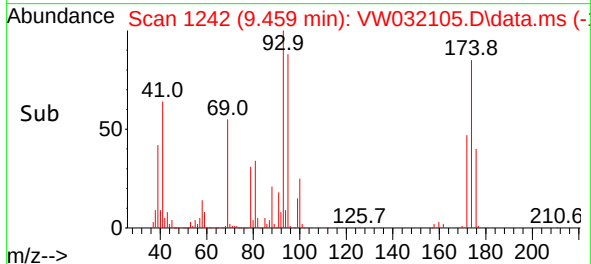
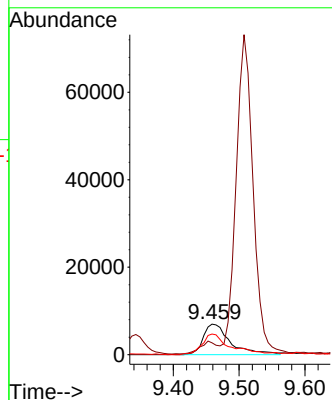
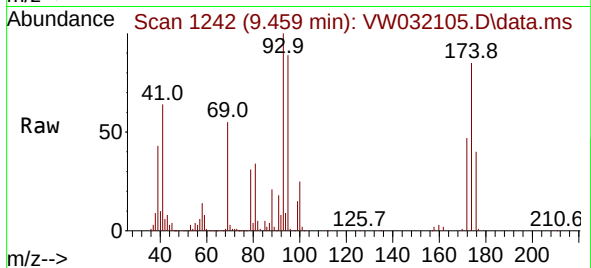
Tgt Ion: 88 Resp: 20213

Ion Ratio Lower Upper

88 100

43 27.2 20.6 30.8

58 68.8 60.4 90.6



#50

Toluene-d8

Concen: 53.076 ug/l

RT: 10.331 min Scan# 1385

Delta R.T. 0.006 min

Lab File: VW032105.D

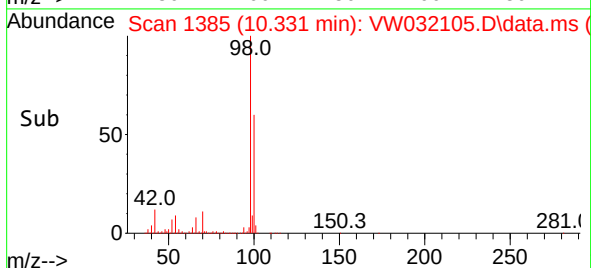
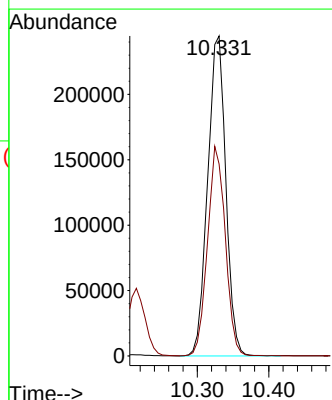
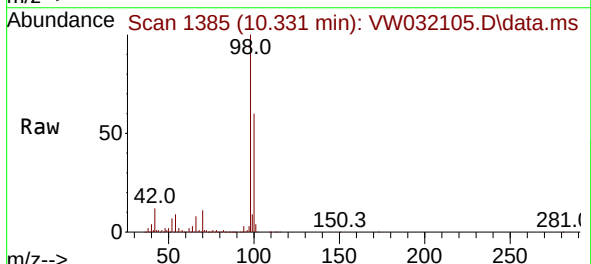
Acq: 14 Aug 2025 19:32

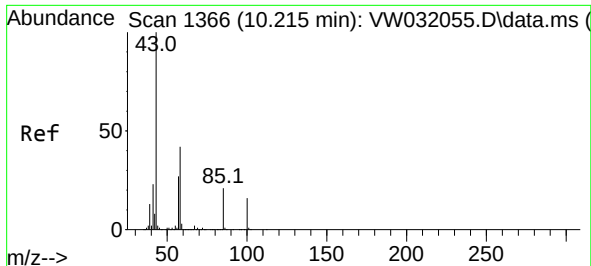
Tgt Ion: 98 Resp: 431442

Ion Ratio Lower Upper

98 100

100 64.2 51.1 76.7

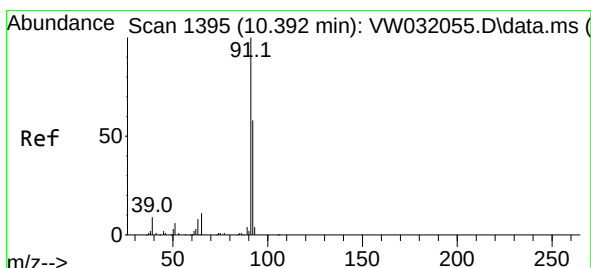
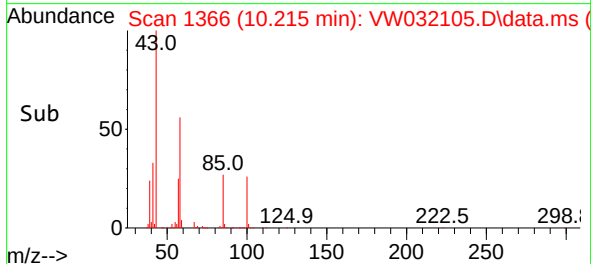
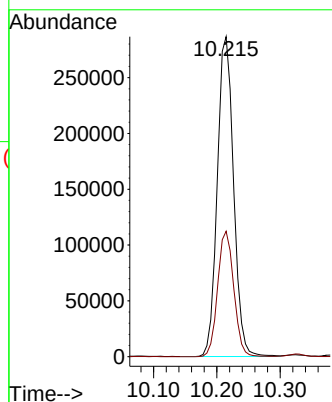
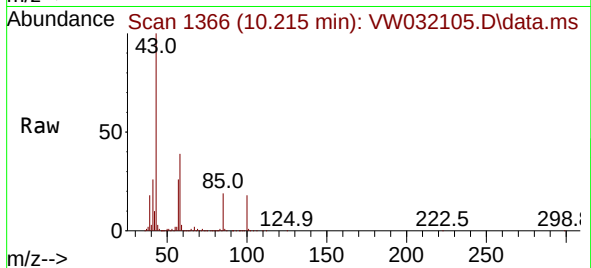




#51
4-Methyl-2-Pentanone
Concen: 269.316 ug/l
RT: 10.215 min Scan# 1366
Delta R.T. -0.000 min
Lab File: VW032105.D
Acq: 14 Aug 2025 19:32

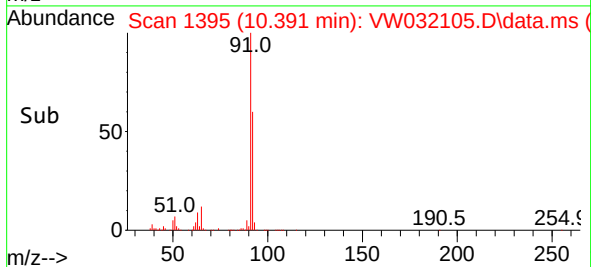
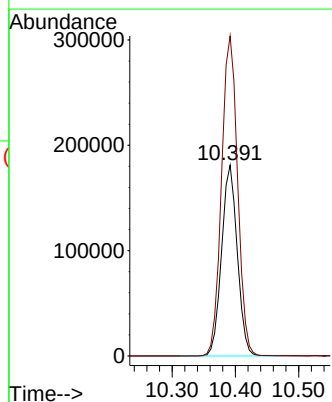
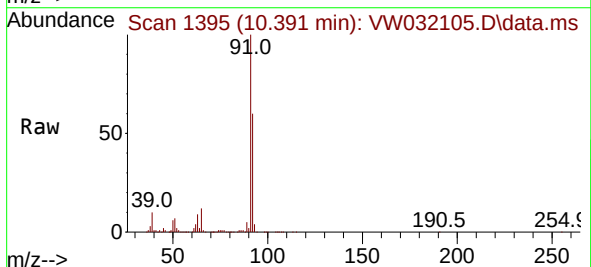
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

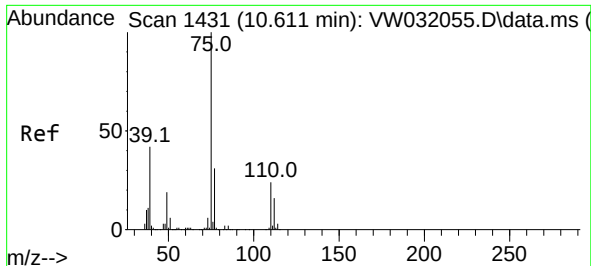
Tgt Ion: 43 Resp: 510331
Ion Ratio Lower Upper
43 100
58 38.9 33.1 49.7



#52
Toluene
Concen: 51.219 ug/l
RT: 10.391 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VW032105.D
Acq: 14 Aug 2025 19:32

Tgt Ion: 92 Resp: 310694
Ion Ratio Lower Upper
92 100
91 171.9 136.3 204.5

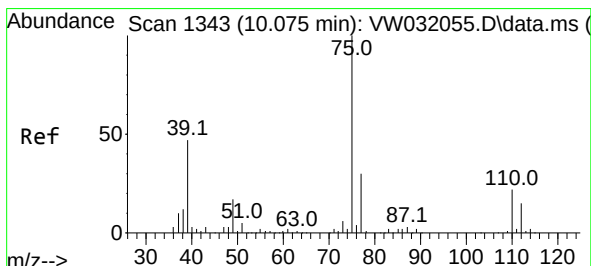
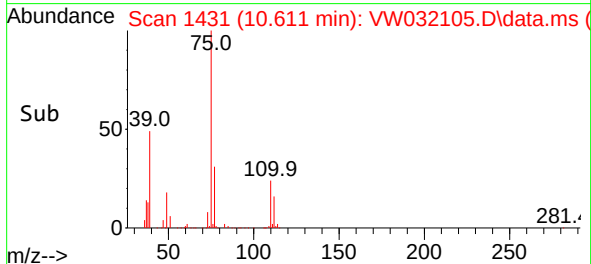
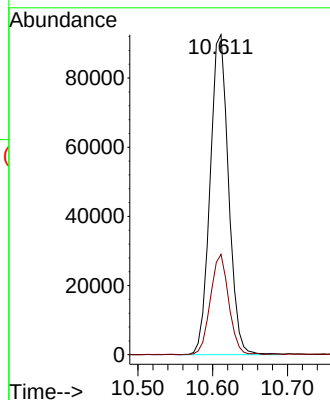
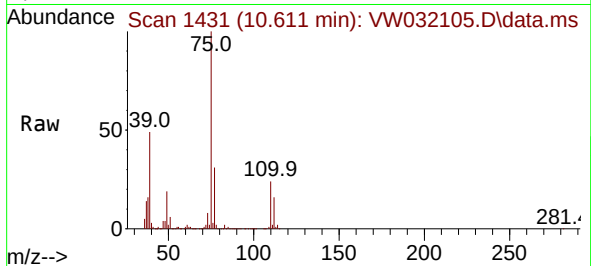




#53
t-1,3-Dichloropropene
Concen: 48.849 ug/l
RT: 10.611 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VW032105.D
Acq: 14 Aug 2025 19:32

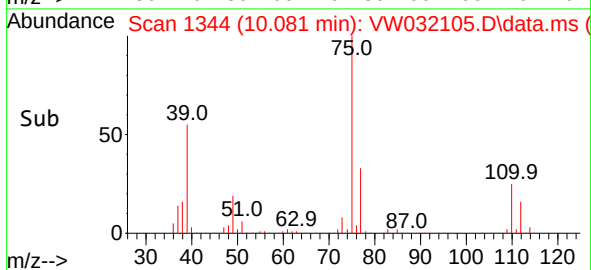
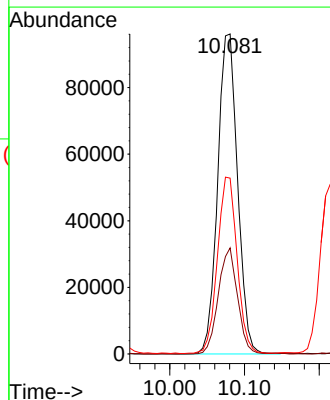
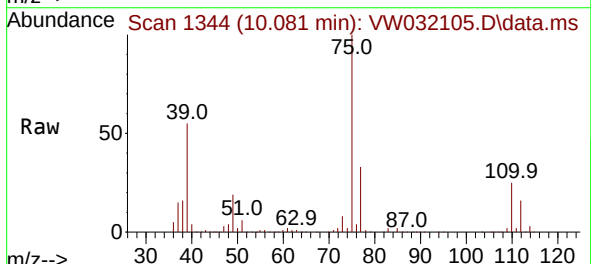
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

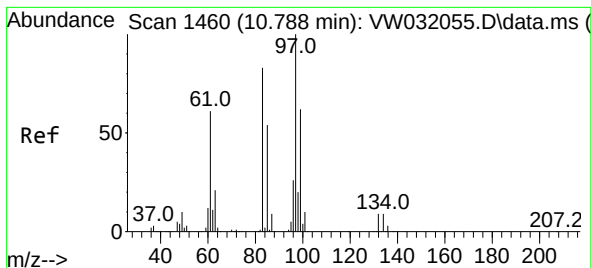
Tgt Ion: 75 Resp: 158355
Ion Ratio Lower Upper
75 100
77 31.4 25.0 37.6



#54
cis-1,3-Dichloropropene
Concen: 48.366 ug/l
RT: 10.081 min Scan# 1344
Delta R.T. 0.006 min
Lab File: VW032105.D
Acq: 14 Aug 2025 19:32

Tgt Ion: 75 Resp: 177874
Ion Ratio Lower Upper
75 100
77 33.2 24.0 36.0
39 54.8 37.8 56.8

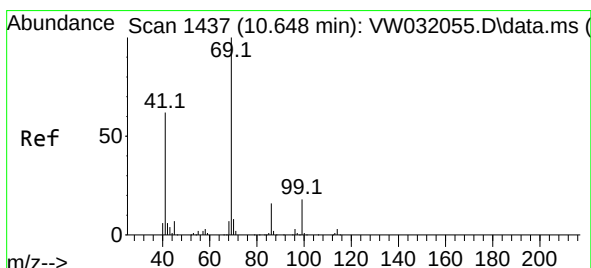
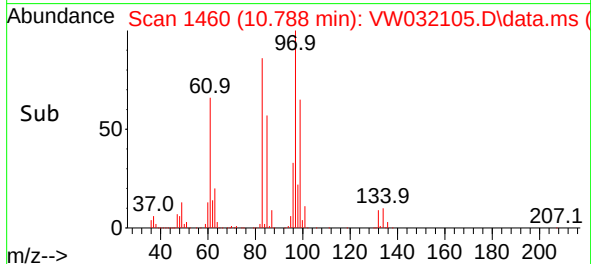
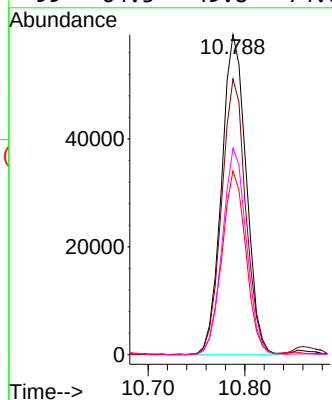
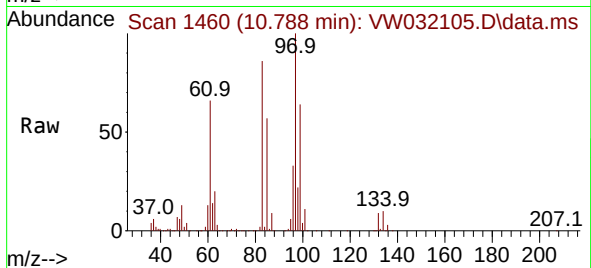




#55
1,1,2-Trichloroethane
Concen: 52.415 ug/l
RT: 10.788 min Scan# 1460
Delta R.T. -0.000 min
Lab File: VW032105.D
Acq: 14 Aug 2025 19:32

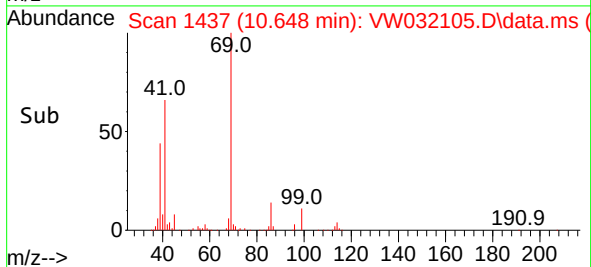
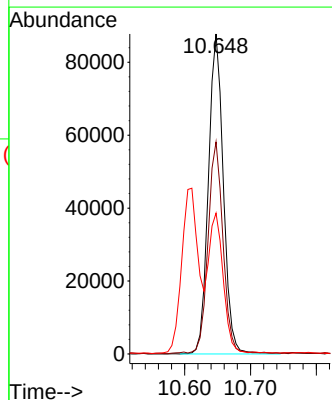
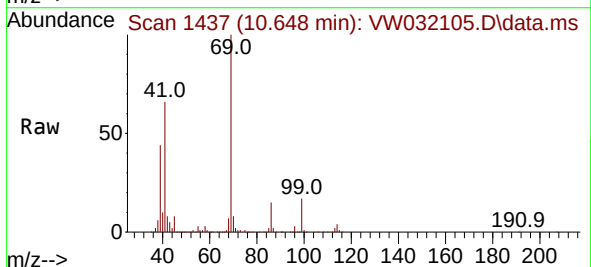
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

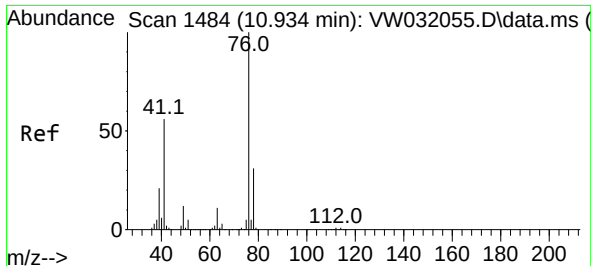
Tgt Ion:	97	Resp:	104590
Ion	Ratio	Lower	Upper
97	100		
83	85.9	66.4	99.6
85	57.5	43.1	64.7
99	64.3	49.8	74.6



#56
Ethyl methacrylate
Concen: 51.993 ug/l
RT: 10.648 min Scan# 1437
Delta R.T. -0.000 min
Lab File: VW032105.D
Acq: 14 Aug 2025 19:32

Tgt Ion:	69	Resp:	138833
Ion	Ratio	Lower	Upper
69	100		
41	66.2	51.2	76.8
39	41.9	25.4	38.0#





#57

1,3-Dichloropropane

Concen: 50.807 ug/l

RT: 10.934 min Scan# 1484

Delta R.T. -0.000 min

Lab File: VW032105.D

Acq: 14 Aug 2025 19:32

Instrument :

MSVOA_W

ClientSampleId :

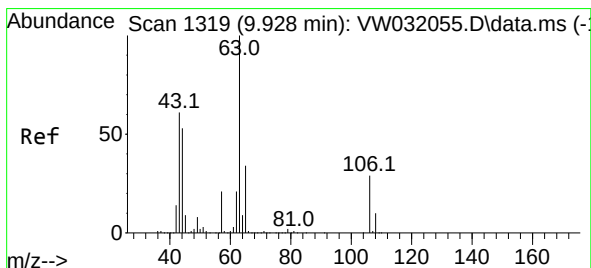
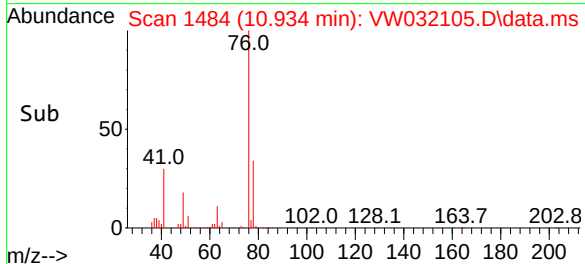
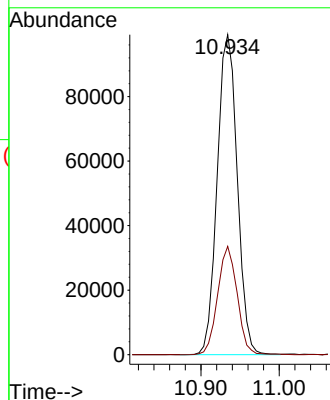
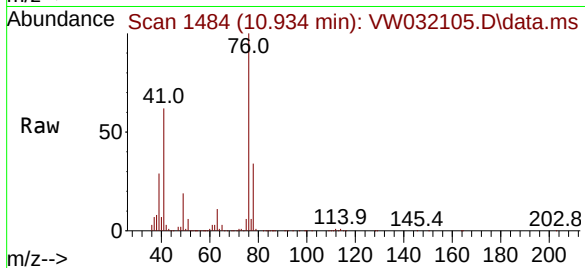
VSTDCCC050EC

Tgt Ion: 76 Resp: 176713

Ion Ratio Lower Upper

76 100

78 32.9 25.8 38.6



#58

2-Chloroethyl Vinyl ether

Concen: 271.010 ug/l

RT: 9.928 min Scan# 1319

Delta R.T. -0.000 min

Lab File: VW032105.D

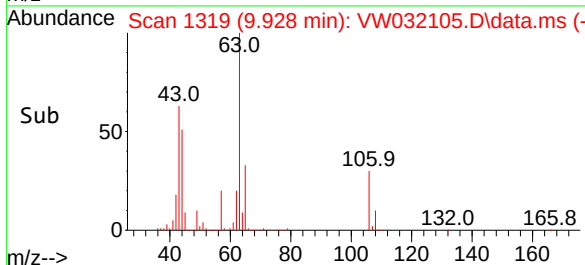
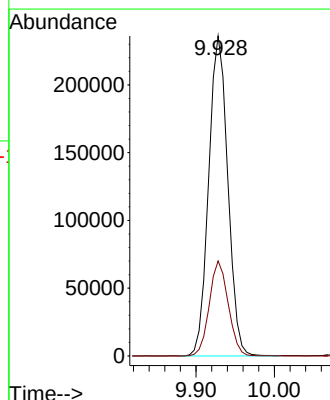
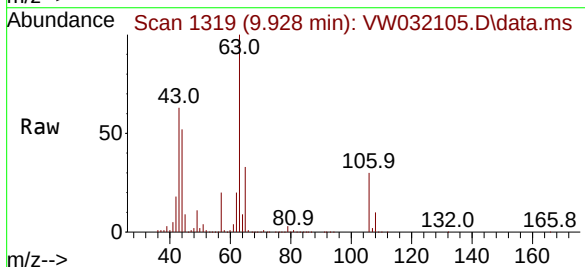
Acq: 14 Aug 2025 19:32

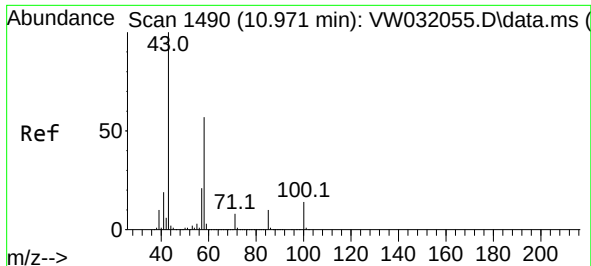
Tgt Ion: 63 Resp: 400276

Ion Ratio Lower Upper

63 100

106 29.3 23.5 35.3

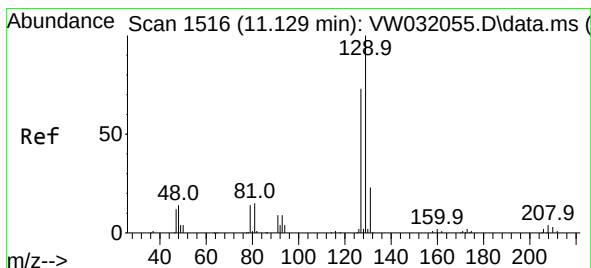
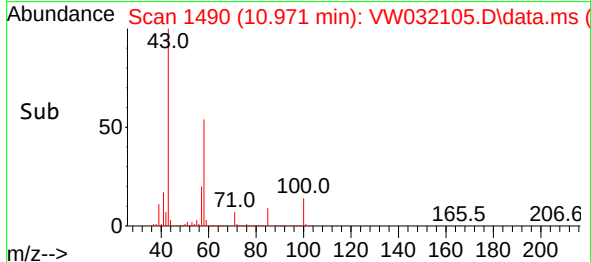
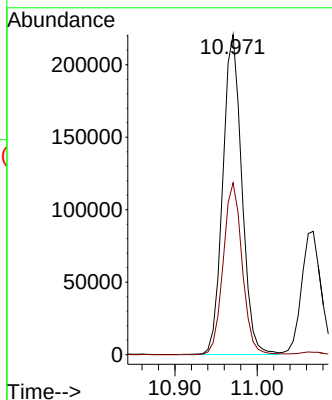
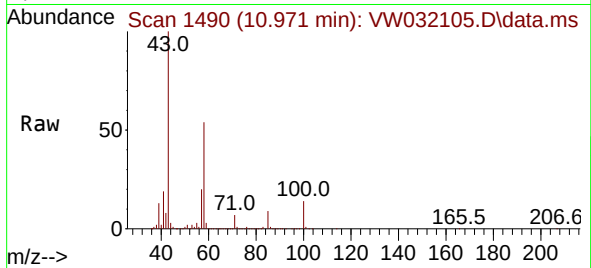




#59
2-Hexanone
Concen: 270.484 ug/l
RT: 10.971 min Scan# 1490
Delta R.T. -0.000 min
Lab File: VW032105.D
Acq: 14 Aug 2025 19:32

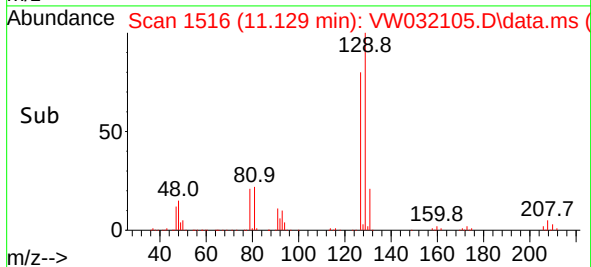
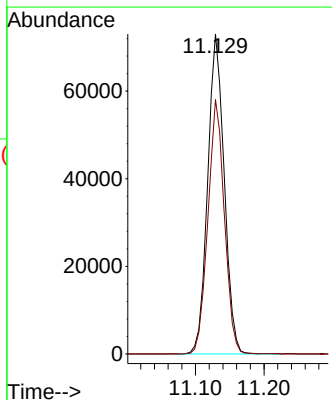
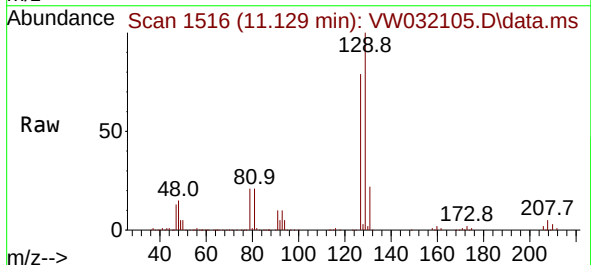
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

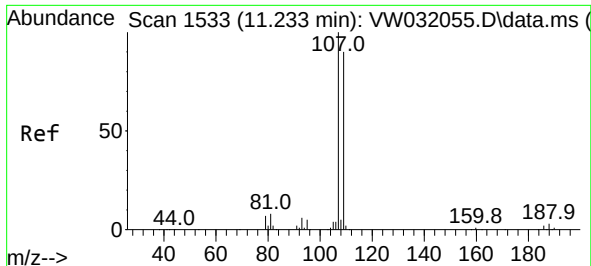
Tgt Ion: 43 Resp: 354969
Ion Ratio Lower Upper
43 100
58 53.6 28.3 85.0



#60
Dibromochloromethane
Concen: 53.691 ug/l
RT: 11.129 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VW032105.D
Acq: 14 Aug 2025 19:32

Tgt Ion:129 Resp: 122381
Ion Ratio Lower Upper
129 100
127 79.1 39.0 116.9

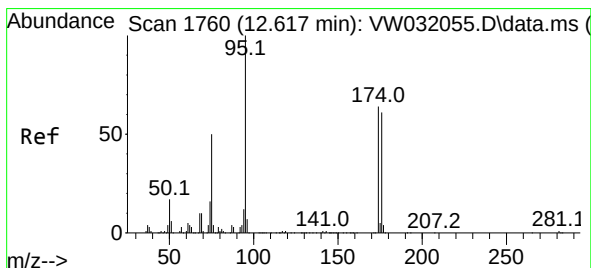
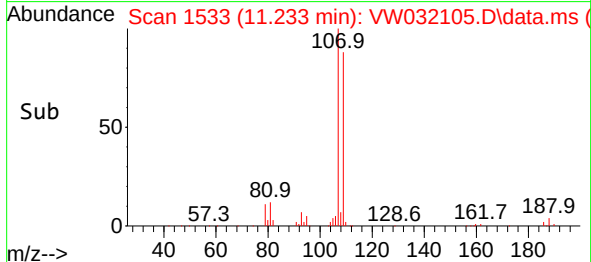
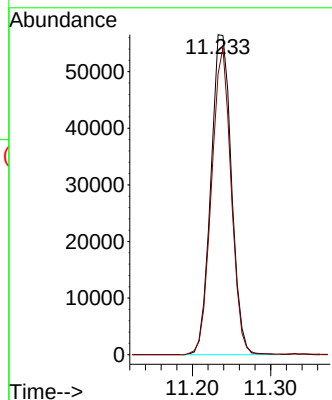
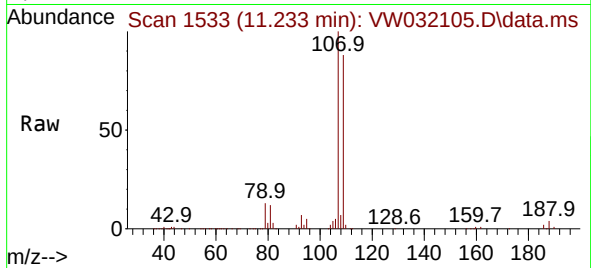




#61
1,2-Dibromoethane
Concen: 53.107 ug/l
RT: 11.233 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW032105.D
Acq: 14 Aug 2025 19:32

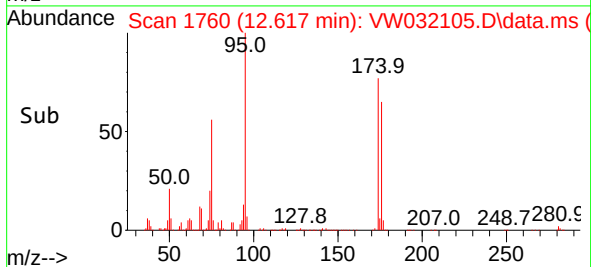
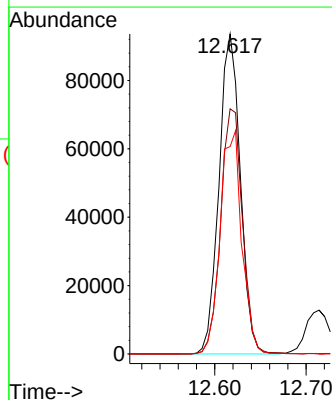
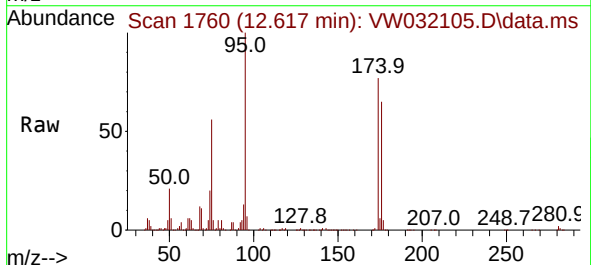
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

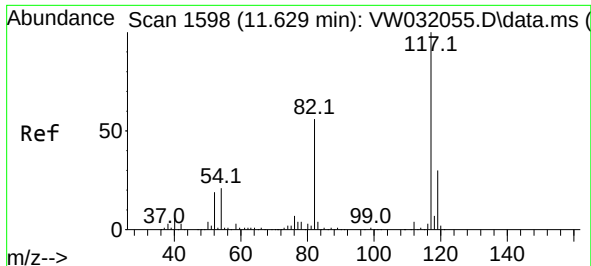
Tgt Ion:107 Resp: 102979
Ion Ratio Lower Upper
107 100
109 91.6 74.2 111.4



#62
4-Bromofluorobenzene
Concen: 50.684 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032105.D
Acq: 14 Aug 2025 19:32

Tgt Ion: 95 Resp: 151827
Ion Ratio Lower Upper
95 100
174 78.2 0.0 129.0
176 71.1 0.0 124.6

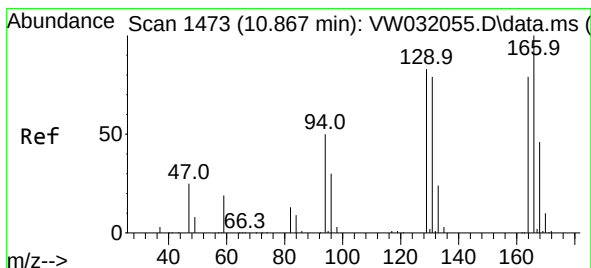
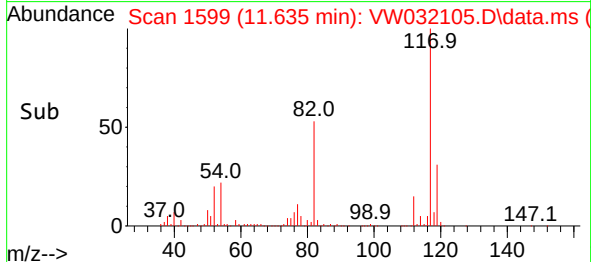
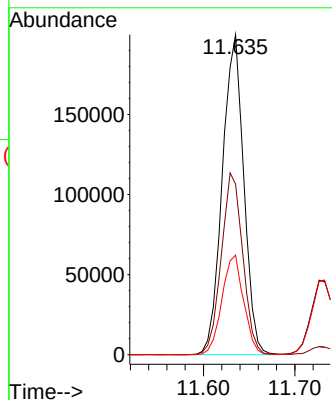
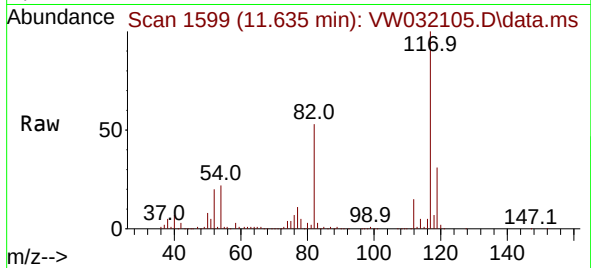




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW032105.D
Acq: 14 Aug 2025 19:32

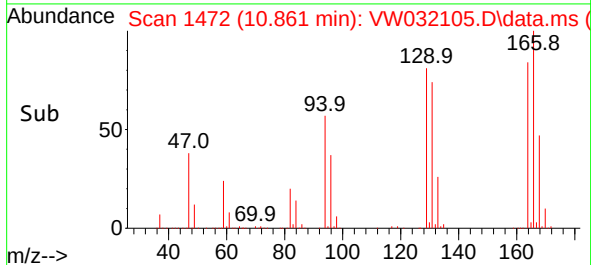
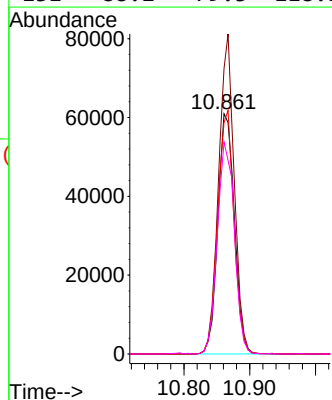
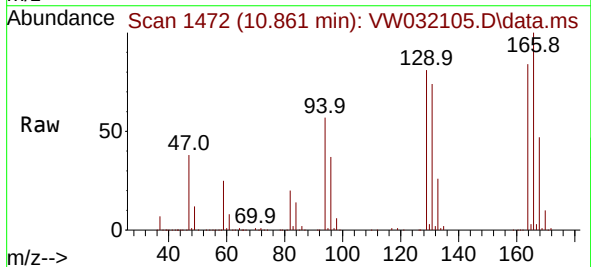
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

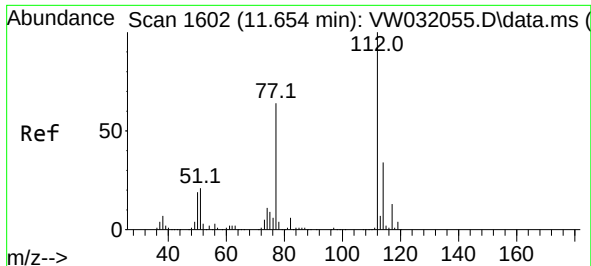
Tgt Ion:117 Resp: 325940
Ion Ratio Lower Upper
117 100
82 53.3 45.0 67.4
119 31.1 24.2 36.4



#64
Tetrachloroethene
Concen: 56.838 ug/l
RT: 10.861 min Scan# 1472
Delta R.T. -0.006 min
Lab File: VW032105.D
Acq: 14 Aug 2025 19:32

Tgt Ion:164 Resp: 107005
Ion Ratio Lower Upper
164 100
166 118.8 100.9 151.3
129 96.4 83.6 125.4
131 88.2 79.3 118.9

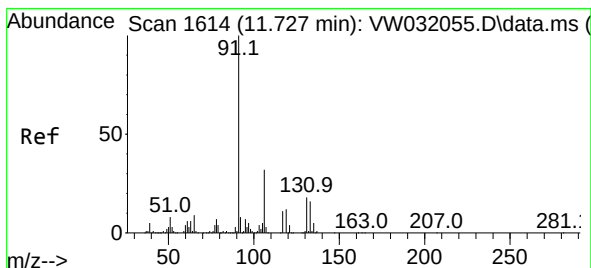
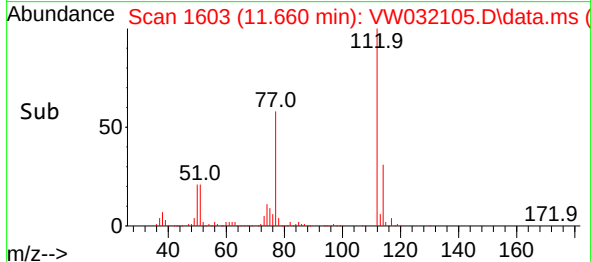
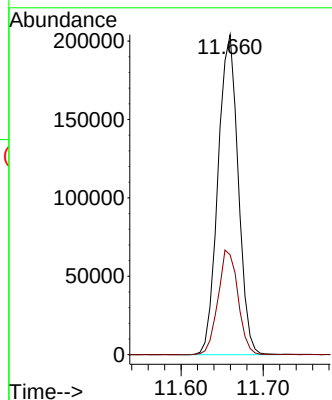
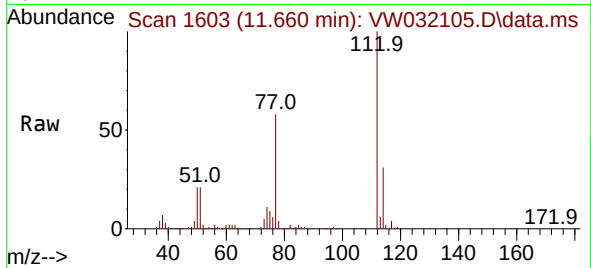




#65
Chlorobenzene
Concen: 49.157 ug/l
RT: 11.660 min Scan# 1603
Delta R.T. 0.006 min
Lab File: VW032105.D
Acq: 14 Aug 2025 19:32

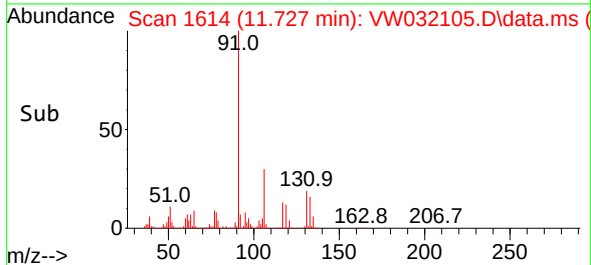
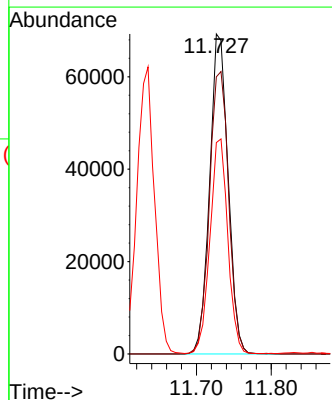
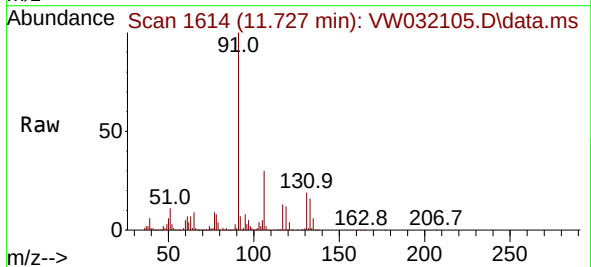
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

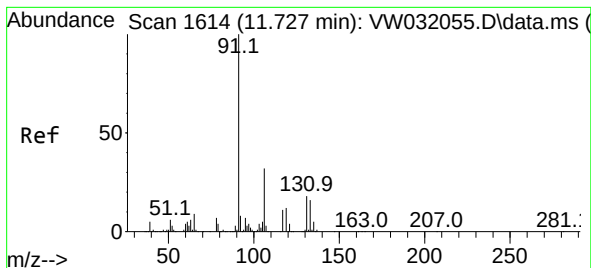
Tgt Ion:112 Resp: 348750
Ion Ratio Lower Upper
112 100
114 31.2 26.9 40.3



#66
1,1,1,2-Tetrachloroethane
Concen: 53.648 ug/l
RT: 11.727 min Scan# 1614
Delta R.T. -0.000 min
Lab File: VW032105.D
Acq: 14 Aug 2025 19:32

Tgt Ion:131 Resp: 118751
Ion Ratio Lower Upper
131 100
133 92.1 47.3 142.0
119 65.1 34.5 103.5

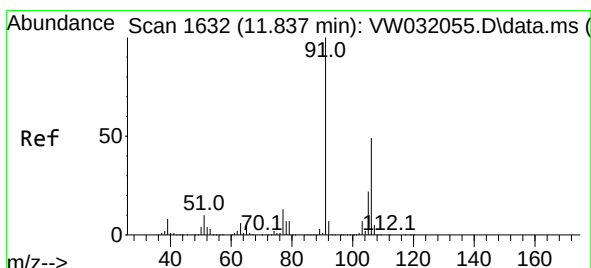
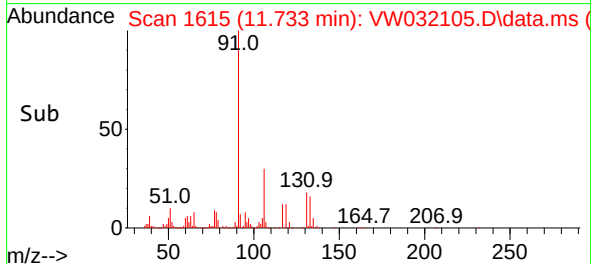
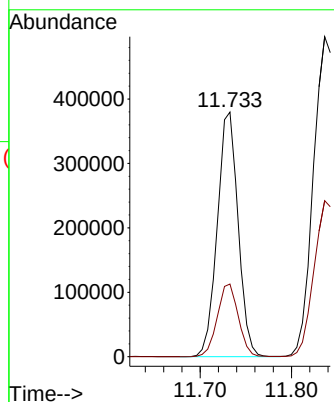
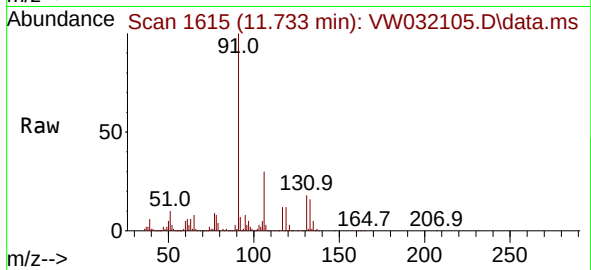




#67
Ethyl Benzene
Concen: 50.069 ug/l
RT: 11.733 min Scan# 1615
Delta R.T. 0.006 min
Lab File: VW032105.D
Acq: 14 Aug 2025 19:32

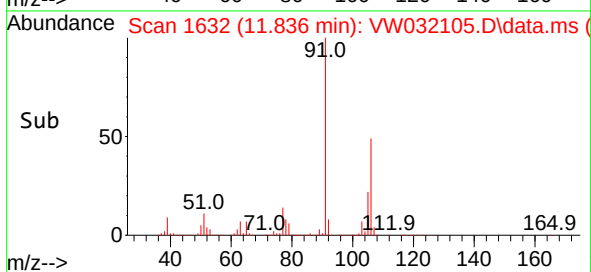
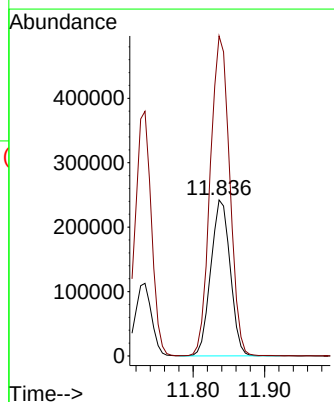
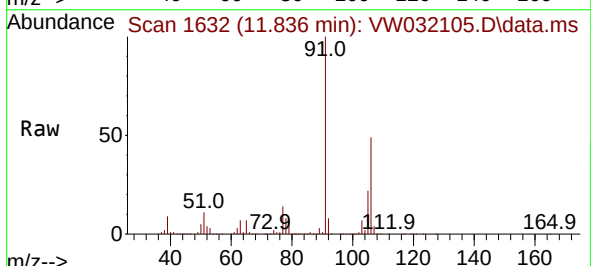
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

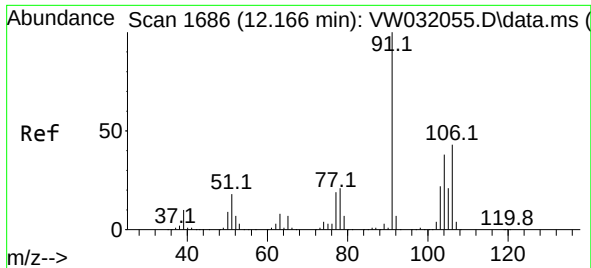
Tgt Ion: 91 Resp: 601685
Ion Ratio Lower Upper
91 100
106 29.7 25.4 38.0



#68
m/p-Xylenes
Concen: 98.314 ug/l
RT: 11.836 min Scan# 1632
Delta R.T. -0.000 min
Lab File: VW032105.D
Acq: 14 Aug 2025 19:32

Tgt Ion: 106 Resp: 455888
Ion Ratio Lower Upper
106 100
91 206.4 162.2 243.2

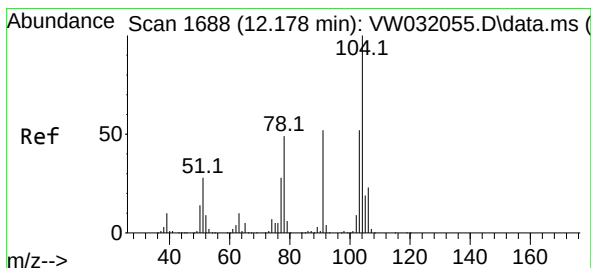
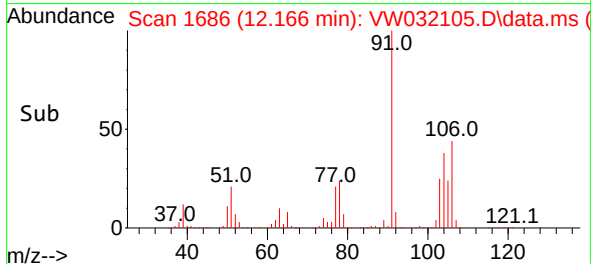
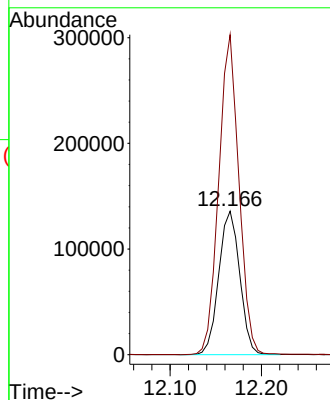
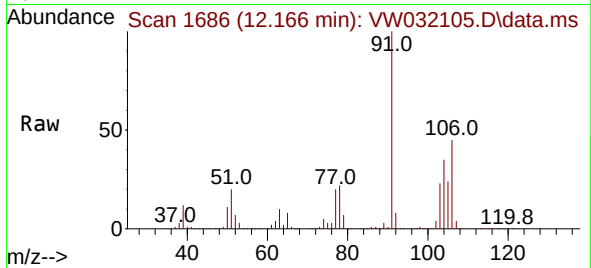




#69
o-Xylene
Concen: 50.609 ug/l
RT: 12.166 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032105.D
Acq: 14 Aug 2025 19:32

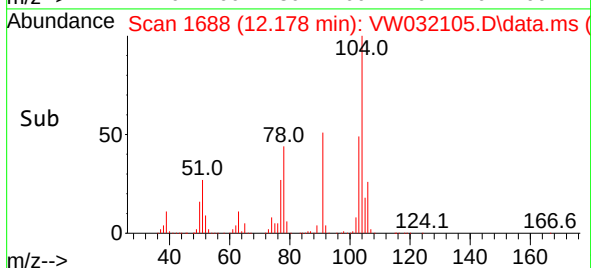
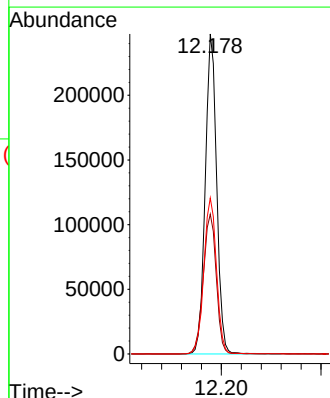
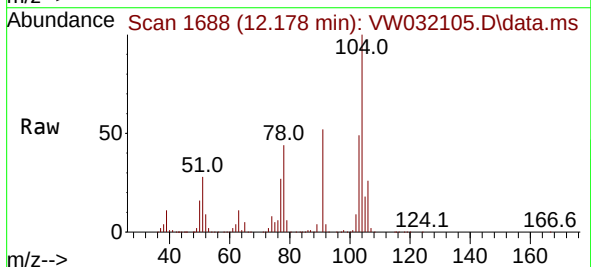
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

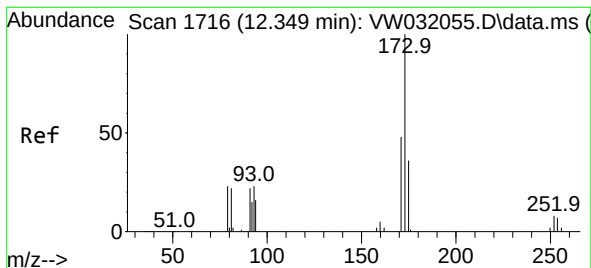
Tgt Ion:106 Resp: 216903
Ion Ratio Lower Upper
106 100
91 215.1 110.8 332.3



#70
Styrene
Concen: 51.563 ug/l
RT: 12.178 min Scan# 1688
Delta R.T. -0.000 min
Lab File: VW032105.D
Acq: 14 Aug 2025 19:32

Tgt Ion:104 Resp: 392538
Ion Ratio Lower Upper
104 100
78 50.0 41.2 61.8
103 54.2 43.8 65.8





#71

Bromoform

Concen: 55.047 ug/l

RT: 12.355 min Scan# 1

Delta R.T. 0.006 min

Lab File: VW032105.D

Acq: 14 Aug 2025 19:32

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

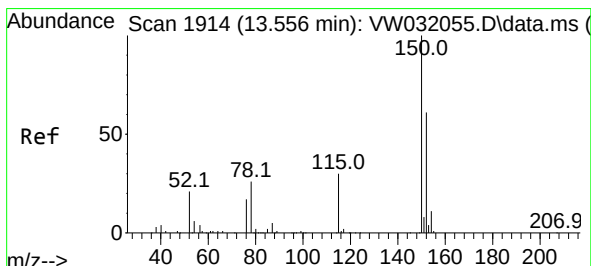
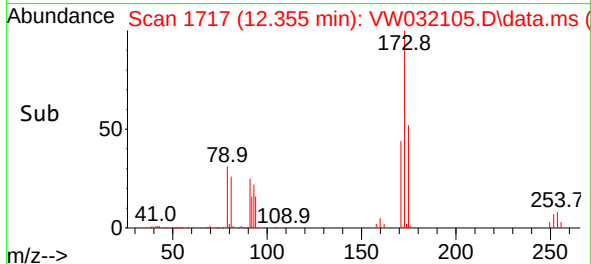
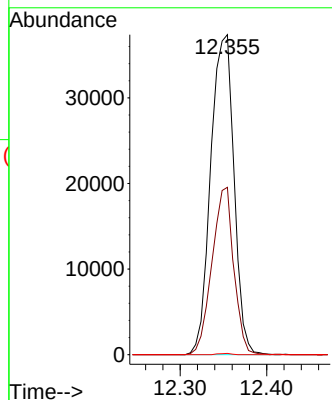
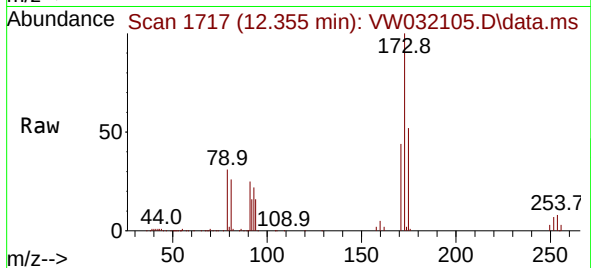
Tgt Ion:173 Resp: 69699

Ion Ratio Lower Upper

173 100

175 49.1 22.9 68.7

254 0.2 0.0 0.0#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.556 min Scan# 1914

Delta R.T. -0.000 min

Lab File: VW032105.D

Acq: 14 Aug 2025 19:32

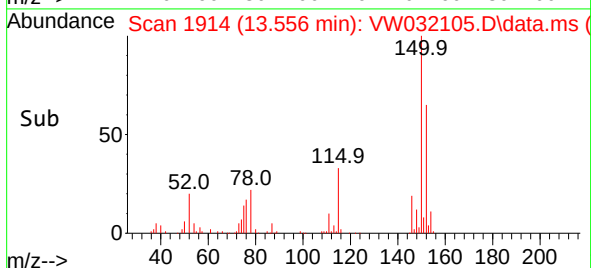
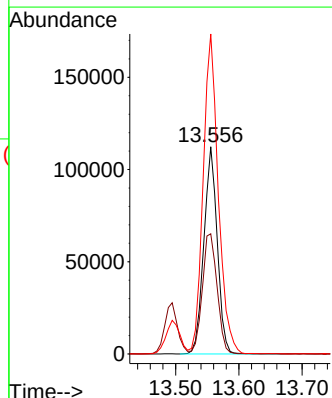
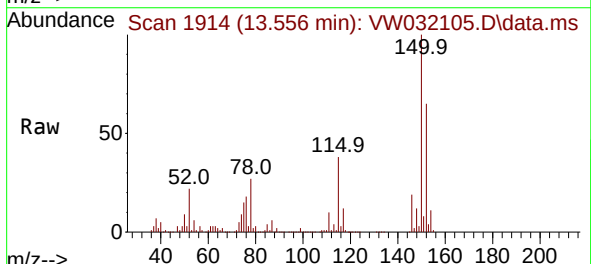
Tgt Ion:152 Resp: 166040

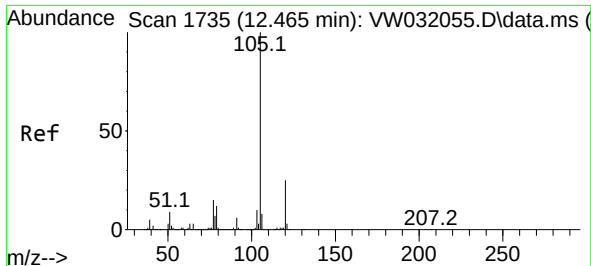
Ion Ratio Lower Upper

152 100

115 63.7 32.6 97.8

150 174.1 0.0 359.4

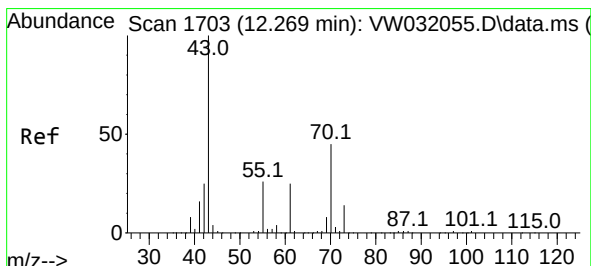
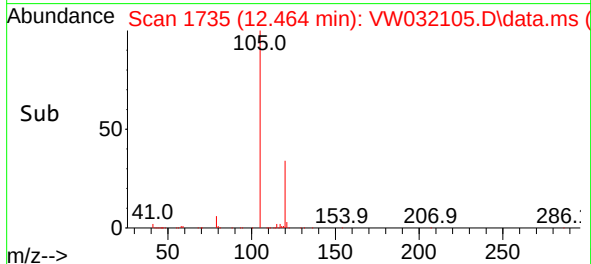
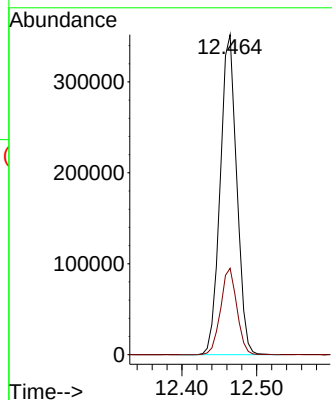
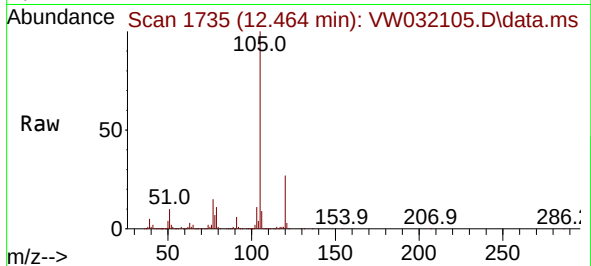




#73
Isopropylbenzene
Concen: 46.544 ug/l
RT: 12.464 min Scan# 1735
Delta R.T. -0.000 min
Lab File: VW032105.D
Acq: 14 Aug 2025 19:32

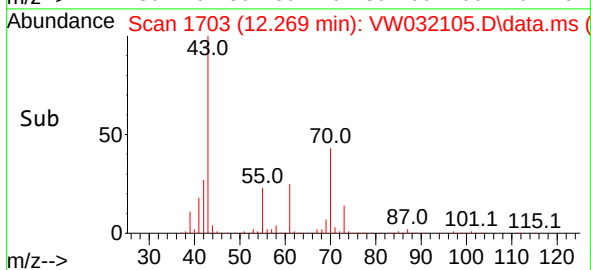
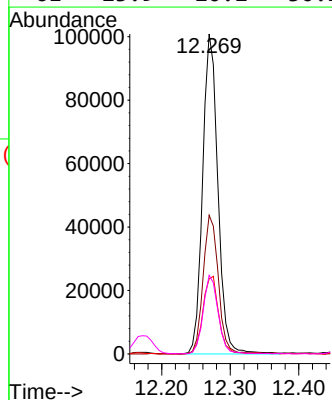
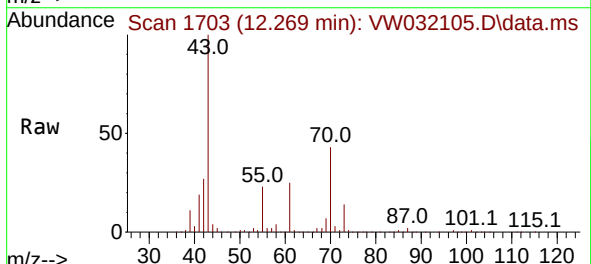
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

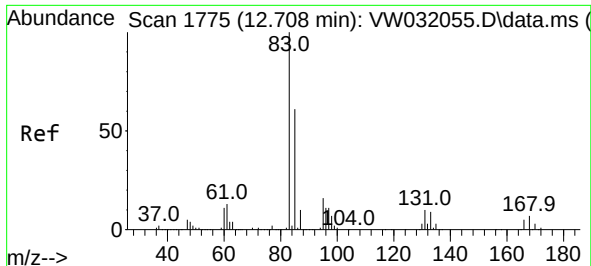
Tgt Ion:105 Resp: 540086
Ion Ratio Lower Upper
105 100
120 26.6 12.8 38.4



#74
N-ethyl acetate
Concen: 47.086 ug/l
RT: 12.269 min Scan# 1703
Delta R.T. -0.000 min
Lab File: VW032105.D
Acq: 14 Aug 2025 19:32

Tgt Ion: 43 Resp: 156756
Ion Ratio Lower Upper
43 100
70 43.4 37.0 55.4
55 25.1 21.1 31.7
61 23.9 20.2 30.2

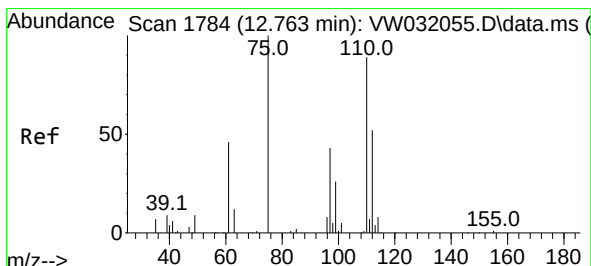
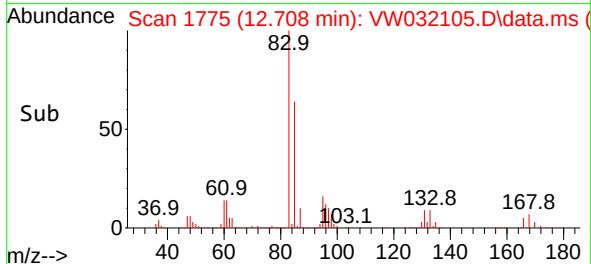
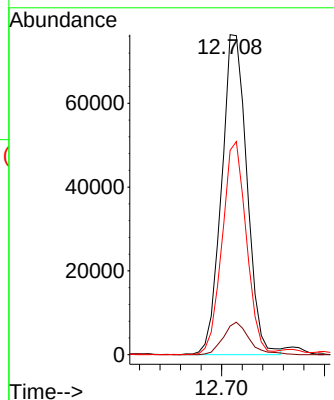
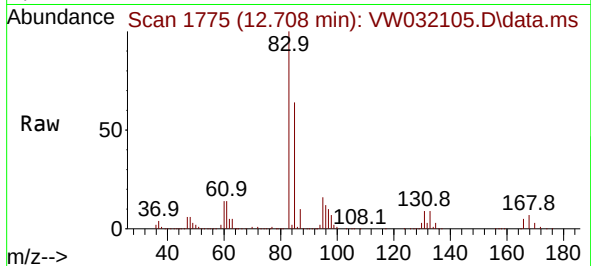




#75
1,1,2,2-Tetrachloroethane
Concen: 47.526 ug/l
RT: 12.708 min Scan# 1775
Delta R.T. -0.000 min
Lab File: VW032105.D
Acq: 14 Aug 2025 19:32

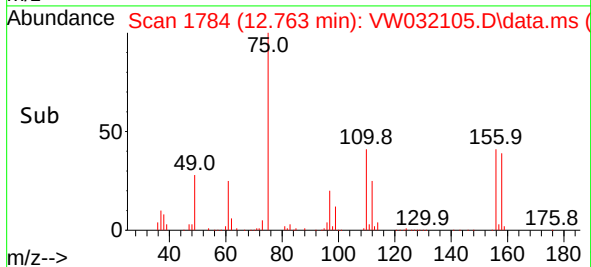
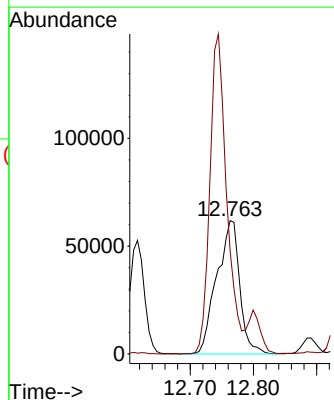
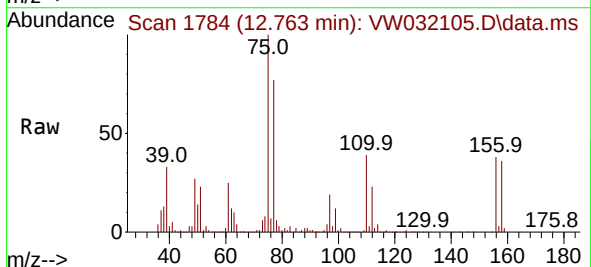
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

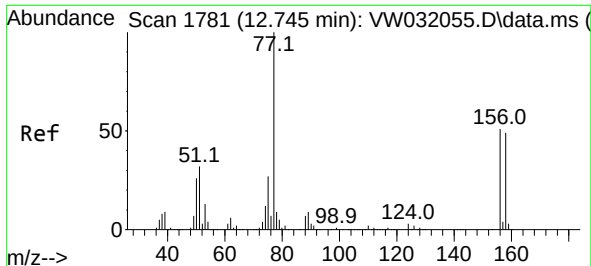
Tgt Ion: 83 Resp: 130940
Ion Ratio Lower Upper
83 100
131 10.3 5.1 15.4
85 63.7 32.2 96.6



#76
1,2,3-Trichloropropane
Concen: 69.173 ug/l
RT: 12.763 min Scan# 1784
Delta R.T. -0.000 min
Lab File: VW032105.D
Acq: 14 Aug 2025 19:32

Tgt Ion: 75 Resp: 155884
Ion Ratio Lower Upper
75 100
77 175.2 123.5 370.5

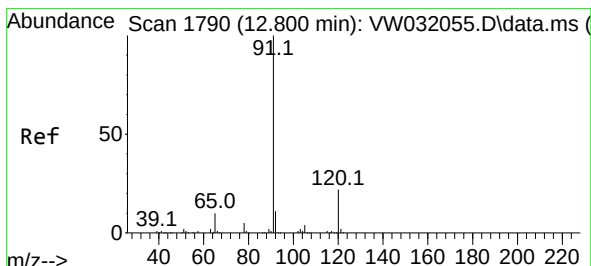
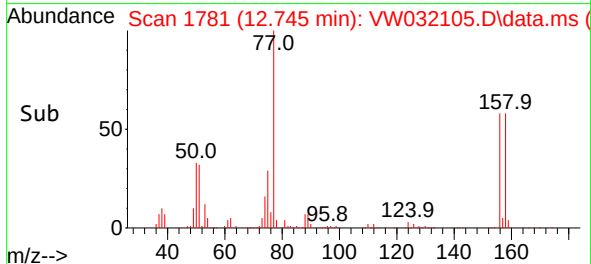
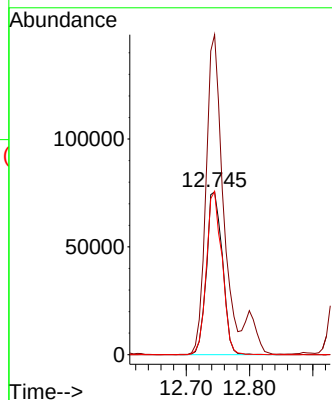
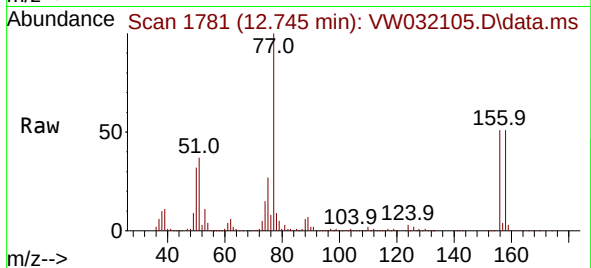




#77
Bromobenzene
Concen: 47.862 ug/l
RT: 12.745 min Scan# 1781
Delta R.T. -0.000 min
Lab File: VW032105.D
Acq: 14 Aug 2025 19:32

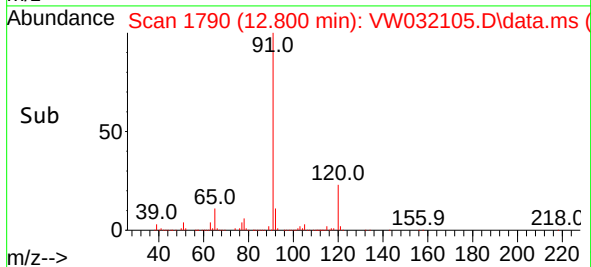
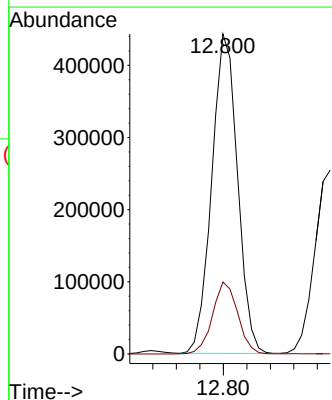
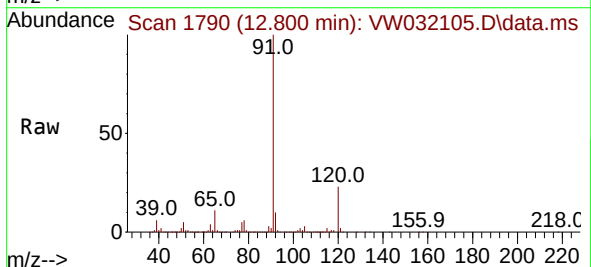
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

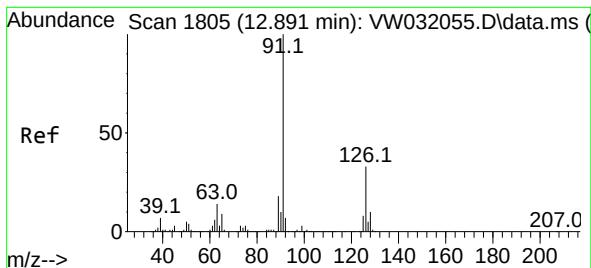
Tgt Ion:156 Resp: 132649
Ion Ratio Lower Upper
156 100
77 205.9 108.7 326.3
158 98.2 48.3 144.9



#78
n-propylbenzene
Concen: 47.233 ug/l
RT: 12.800 min Scan# 1790
Delta R.T. -0.000 min
Lab File: VW032105.D
Acq: 14 Aug 2025 19:32

Tgt Ion: 91 Resp: 674775
Ion Ratio Lower Upper
91 100
120 22.0 11.1 33.3

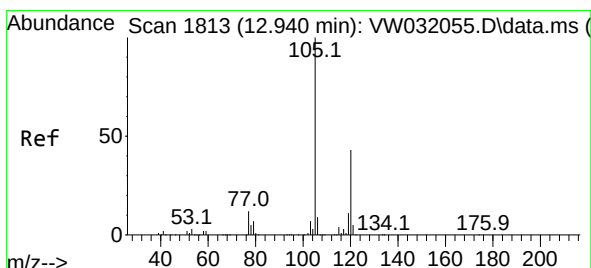
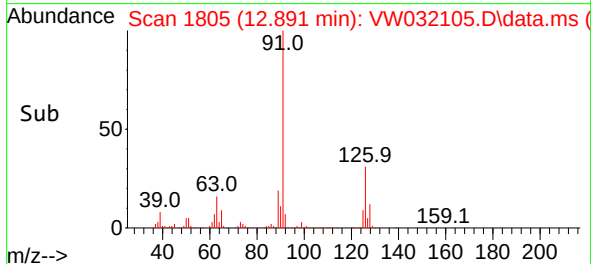
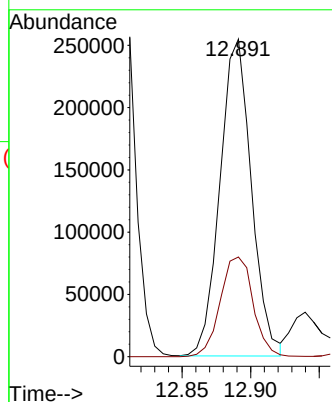
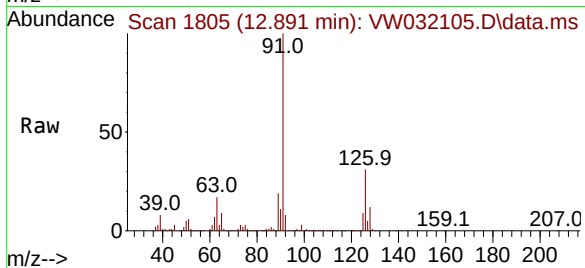




#79
2-Chlorotoluene
Concen: 46.044 ug/l
RT: 12.891 min Scan# 1805
Delta R.T. -0.000 min
Lab File: VW032105.D
Acq: 14 Aug 2025 19:32

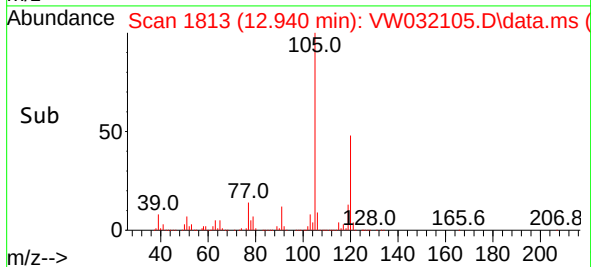
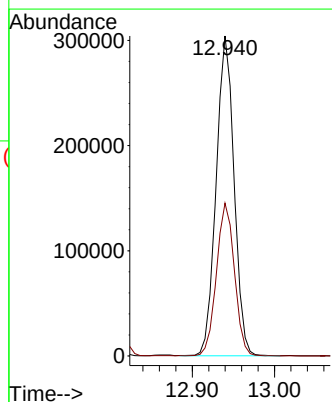
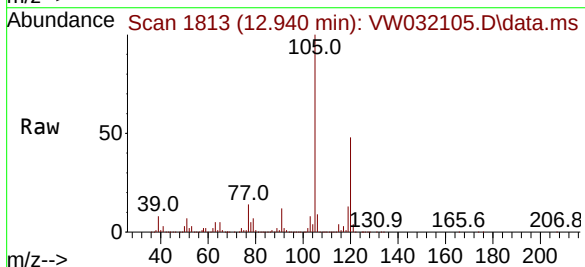
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

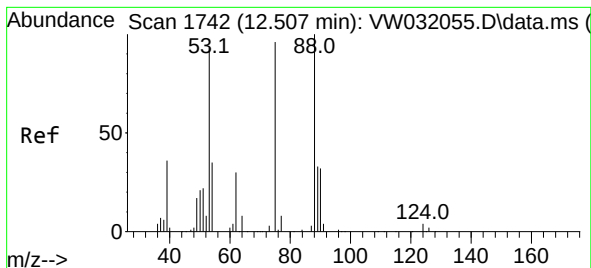
Tgt Ion: 91 Resp: 405968
Ion Ratio Lower Upper
91 100
126 32.9 15.9 47.7



#80
1,3,5-Trimethylbenzene
Concen: 46.706 ug/l
RT: 12.940 min Scan# 1813
Delta R.T. -0.000 min
Lab File: VW032105.D
Acq: 14 Aug 2025 19:32

Tgt Ion: 105 Resp: 460118
Ion Ratio Lower Upper
105 100
120 47.9 23.4 70.0

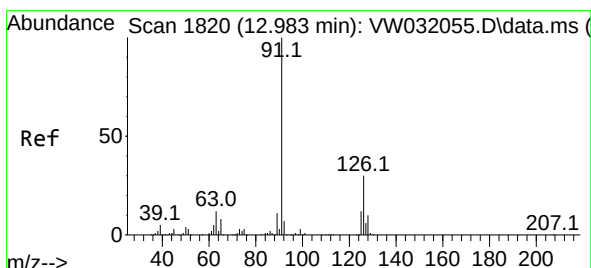
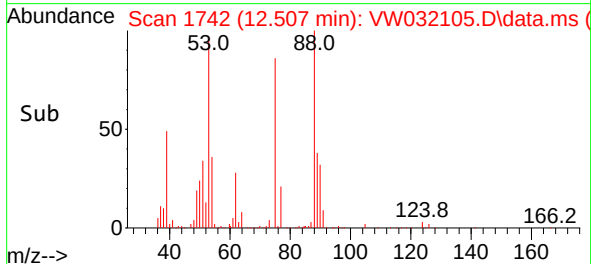
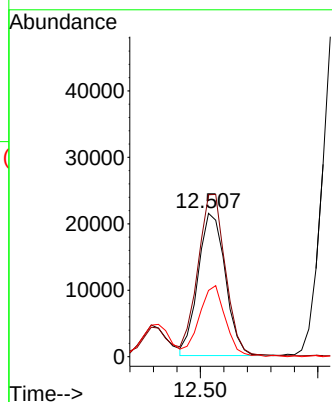
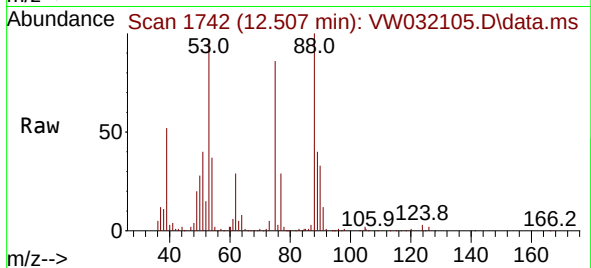




#81
trans-1,4-Dichloro-2-butene
Concen: 39.765 ug/l
RT: 12.507 min Scan# 1742
Delta R.T. -0.000 min
Lab File: VW032105.D
Acq: 14 Aug 2025 19:32

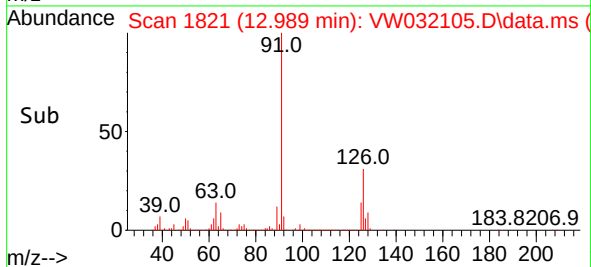
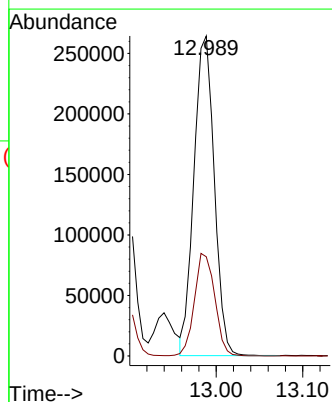
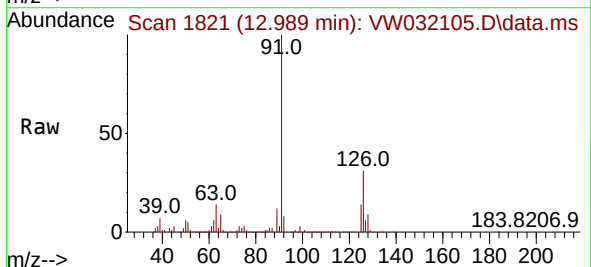
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

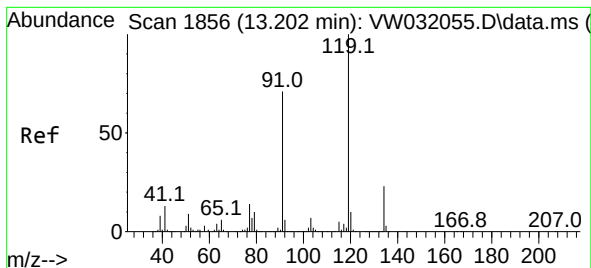
Tgt Ion:	75	Resp:	34614
Ion	Ratio	Lower	Upper
75	100		
53	114.9	81.0	121.6
89	48.3	37.3	55.9



#82
4-Chlorotoluene
Concen: 46.038 ug/l
RT: 12.989 min Scan# 1821
Delta R.T. 0.006 min
Lab File: VW032105.D
Acq: 14 Aug 2025 19:32

Tgt Ion:	91	Resp:	431266
Ion	Ratio	Lower	Upper
91	100		
126	32.2	15.5	46.5

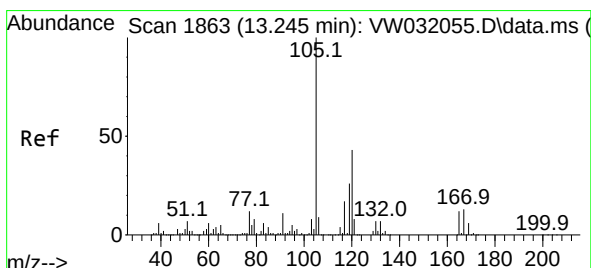
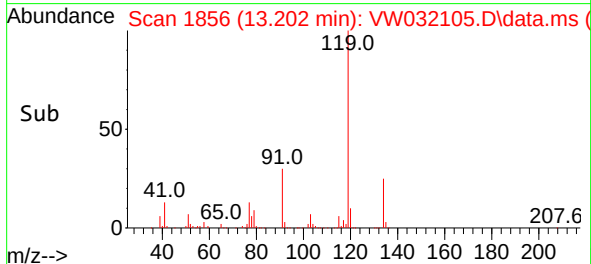
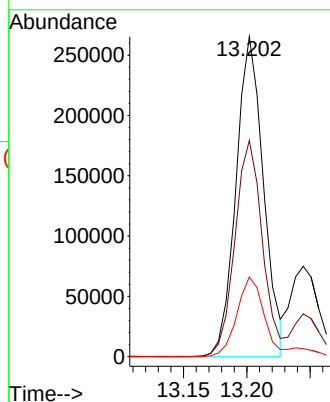
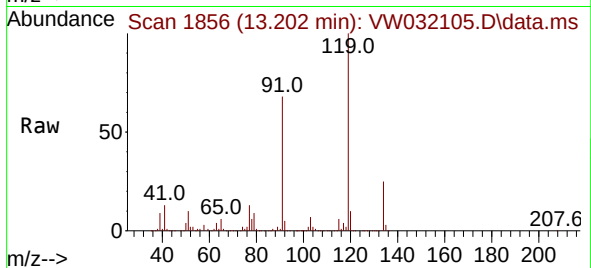




#83
tert-Butylbenzene
Concen: 49.066 ug/l
RT: 13.202 min Scan# 1856
Delta R.T. -0.000 min
Lab File: VW032105.D
Acq: 14 Aug 2025 19:32

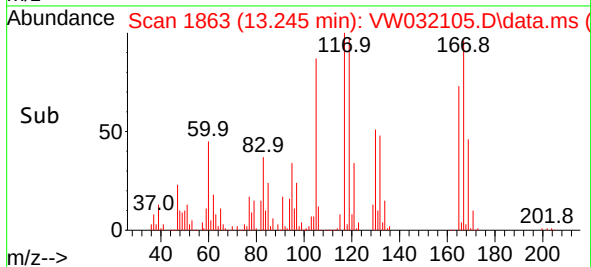
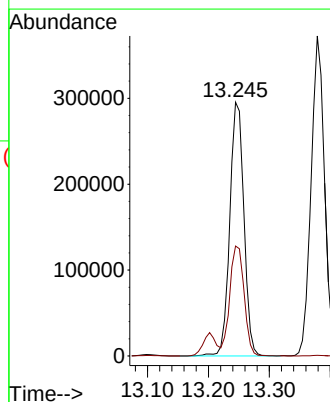
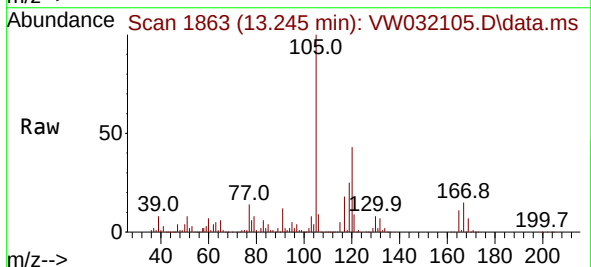
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

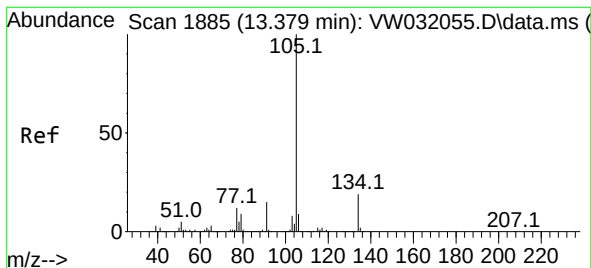
Tgt Ion:119 Resp: 401156
Ion Ratio Lower Upper
119 100
91 67.3 35.3 105.9
134 24.7 12.1 36.3



#84
1,2,4-Trimethylbenzene
Concen: 47.371 ug/l
RT: 13.245 min Scan# 1863
Delta R.T. -0.000 min
Lab File: VW032105.D
Acq: 14 Aug 2025 19:32

Tgt Ion:105 Resp: 475052
Ion Ratio Lower Upper
105 100
120 43.9 21.6 64.8





#85

sec-Butylbenzene

Concen: 45.955 ug/l

RT: 13.379 min Scan# 1885

Delta R.T. -0.000 min

Lab File: VW032105.D

Acq: 14 Aug 2025 19:32

Instrument :

MSVOA_W

ClientSampleId :

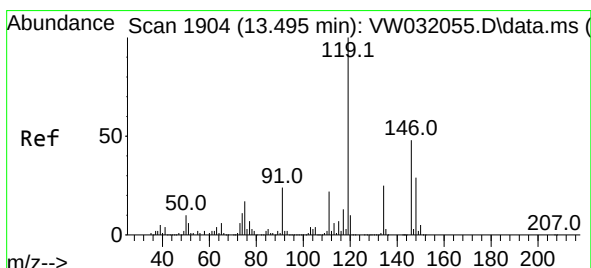
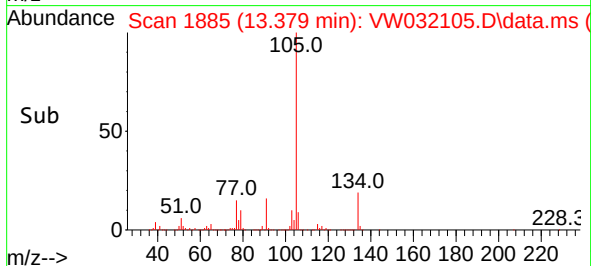
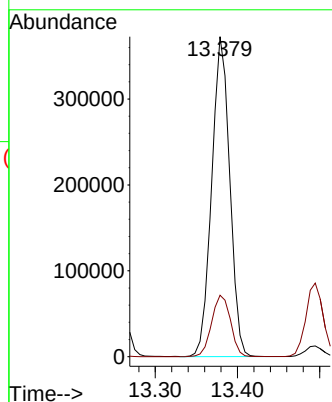
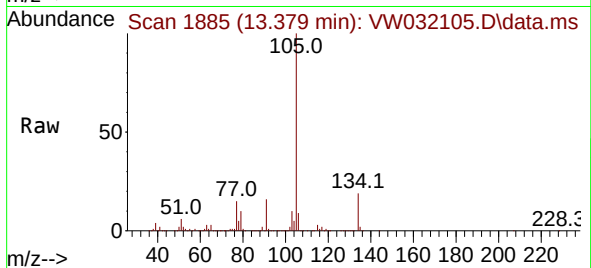
VSTDCCC050EC

Tgt Ion:105 Resp: 568054

Ion Ratio Lower Upper

105 100

134 20.1 9.9 29.7



#86

p-Isopropyltoluene

Concen: 45.874 ug/l

RT: 13.495 min Scan# 1904

Delta R.T. -0.000 min

Lab File: VW032105.D

Acq: 14 Aug 2025 19:32

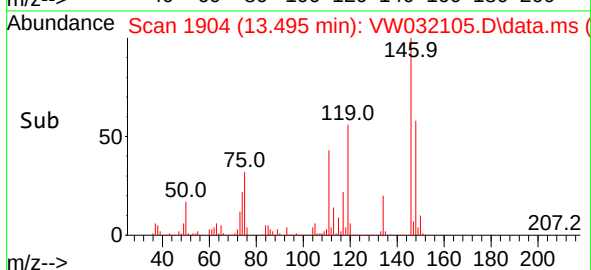
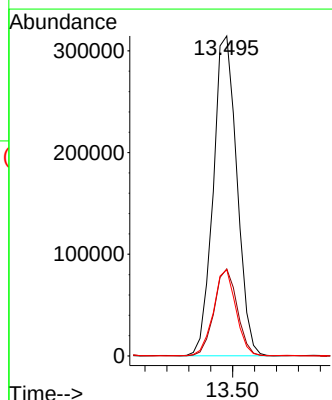
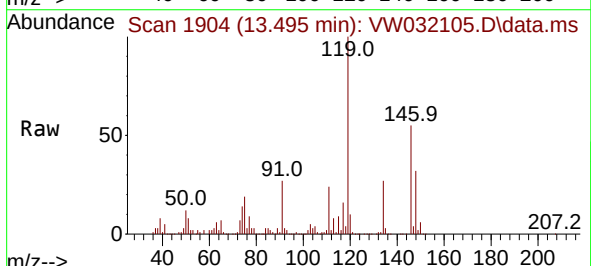
Tgt Ion:119 Resp: 472729

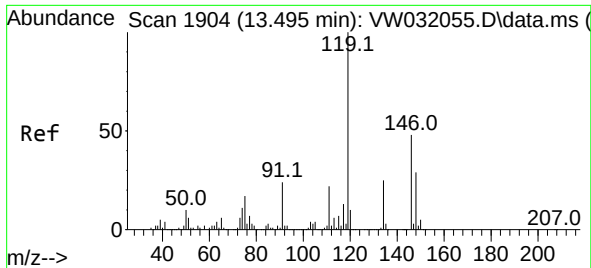
Ion Ratio Lower Upper

119 100

134 26.4 12.4 37.0

91 25.4 12.1 36.3

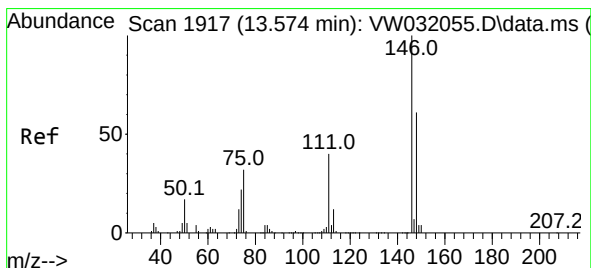
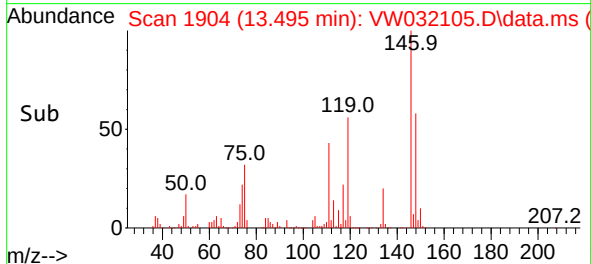
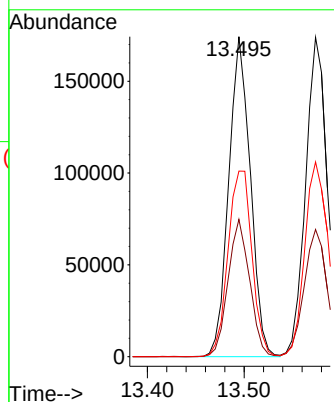
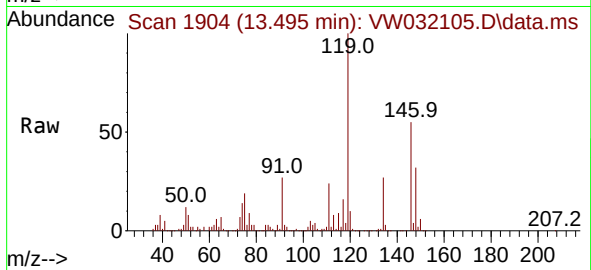




#87
 1,3-Dichlorobenzene
 Concen: 49.021 ug/l
 RT: 13.495 min Scan# 1904
 Delta R.T. -0.000 min
 Lab File: VW032105.D
 Acq: 14 Aug 2025 19:32

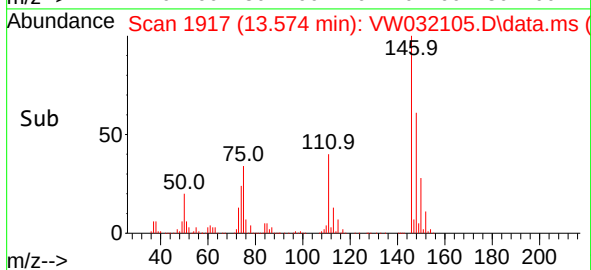
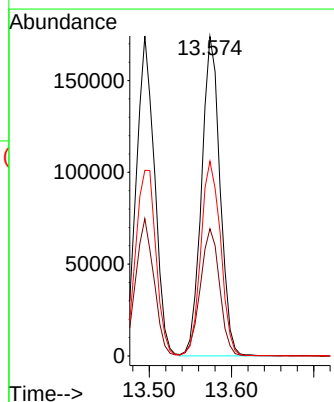
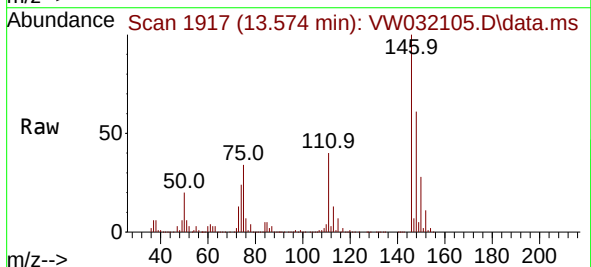
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

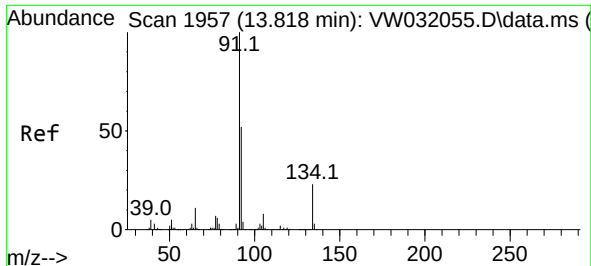
Tgt Ion:146 Resp: 270340
 Ion Ratio Lower Upper
 146 100
 111 42.9 21.2 63.6
 148 64.5 30.3 90.8



#88
 1,4-Dichlorobenzene
 Concen: 48.665 ug/l
 RT: 13.574 min Scan# 1917
 Delta R.T. -0.000 min
 Lab File: VW032105.D
 Acq: 14 Aug 2025 19:32

Tgt Ion:146 Resp: 271213
 Ion Ratio Lower Upper
 146 100
 111 41.4 21.6 64.6
 148 65.1 32.0 96.2

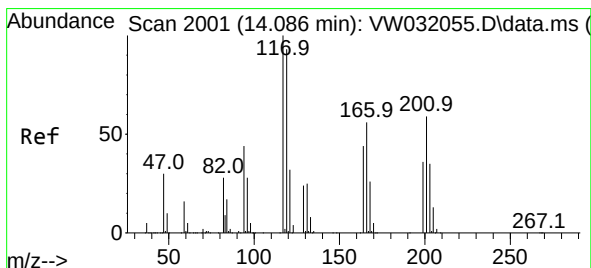
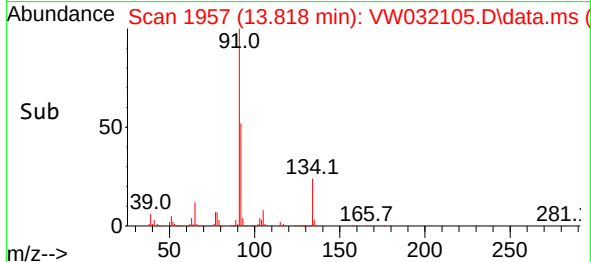
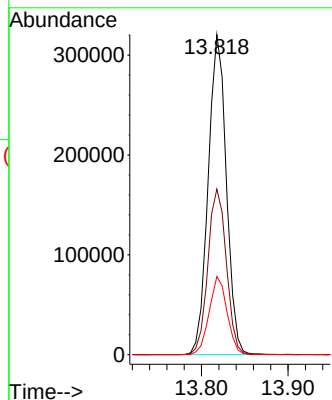
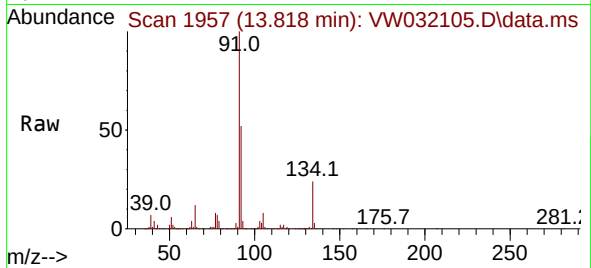




#89
n-Butylbenzene
Concen: 46.594 ug/l
RT: 13.818 min Scan# 1957
Delta R.T. -0.000 min
Lab File: VW032105.D
Acq: 14 Aug 2025 19:32

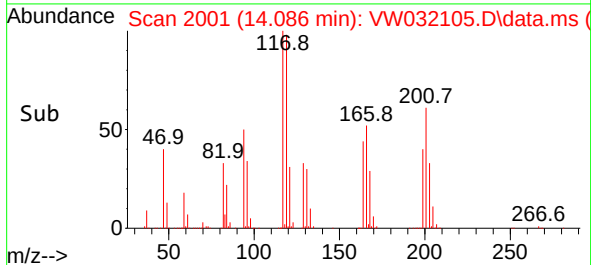
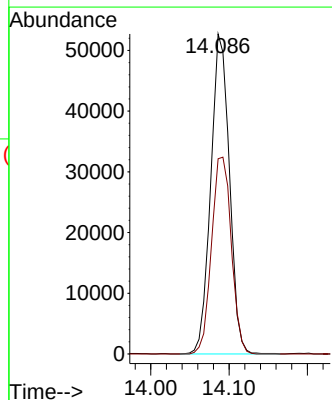
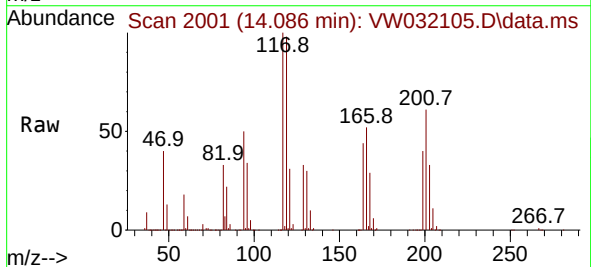
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

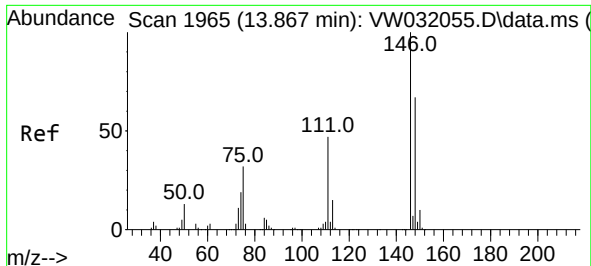
Tgt Ion: 91 Resp: 466468
Ion Ratio Lower Upper
91 100
92 52.7 26.7 80.1
134 24.2 12.0 36.1



#90
Hexachloroethane
Concen: 46.262 ug/l
RT: 14.086 min Scan# 2001
Delta R.T. -0.000 min
Lab File: VW032105.D
Acq: 14 Aug 2025 19:32

Tgt Ion: 117 Resp: 87184
Ion Ratio Lower Upper
117 100
201 65.1 30.9 92.5

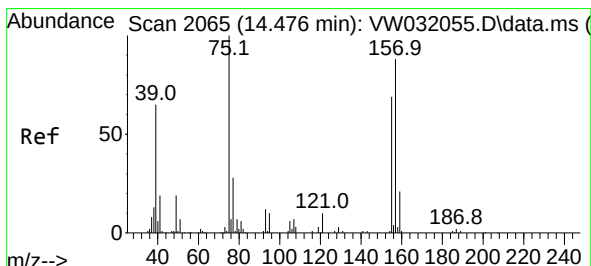
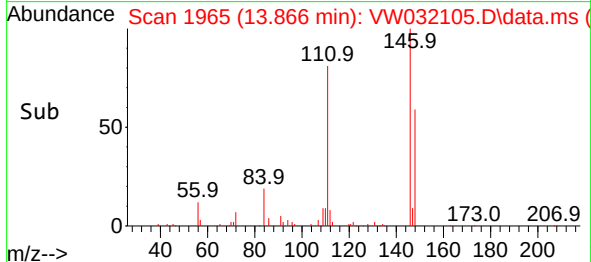
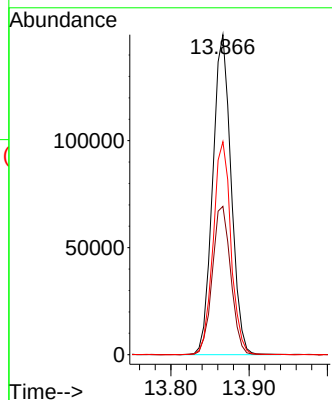
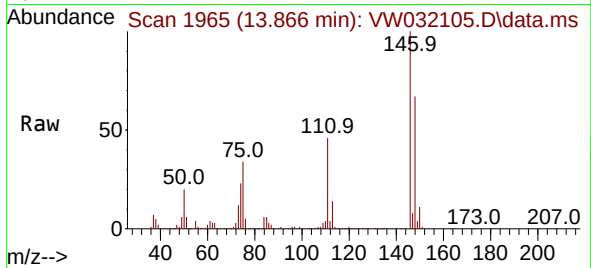




#91
1,2-Dichlorobenzene
Concen: 48.837 ug/l
RT: 13.866 min Scan# 1965
Delta R.T. -0.000 min
Lab File: VW032105.D
Acq: 14 Aug 2025 19:32

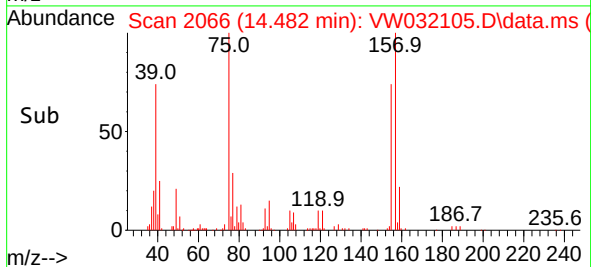
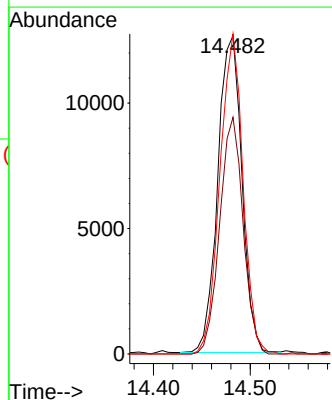
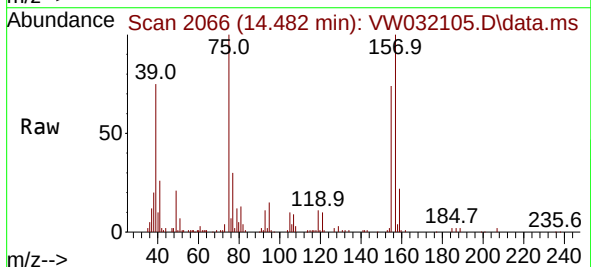
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

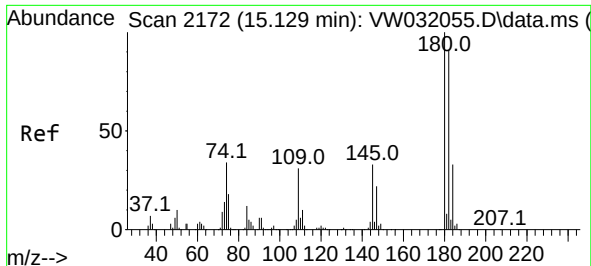
Tgt Ion:146 Resp: 243969
Ion Ratio Lower Upper
146 100
111 46.5 23.1 69.3
148 64.4 32.9 98.6



#92
1,2-Dibromo-3-Chloropropane
Concen: 44.641 ug/l
RT: 14.482 min Scan# 2066
Delta R.T. 0.006 min
Lab File: VW032105.D
Acq: 14 Aug 2025 19:32

Tgt Ion: 75 Resp: 21865
Ion Ratio Lower Upper
75 100
155 72.5 35.2 105.6
157 96.7 47.5 142.6





#93

1,2,4-Trichlorobenzene

Concen: 48.861 ug/l

RT: 15.122 min Scan# 2172

Delta R.T. -0.006 min

Lab File: VW032105.D

Acq: 14 Aug 2025 19:32

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

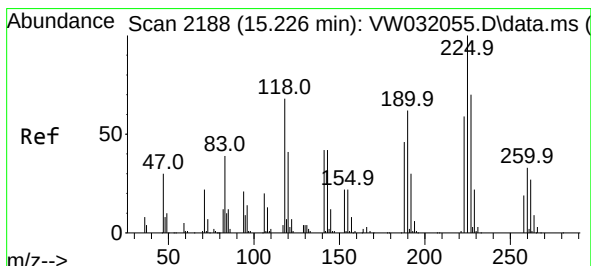
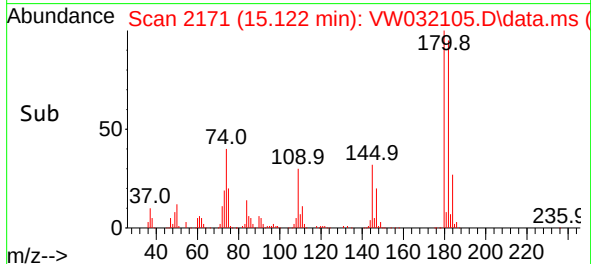
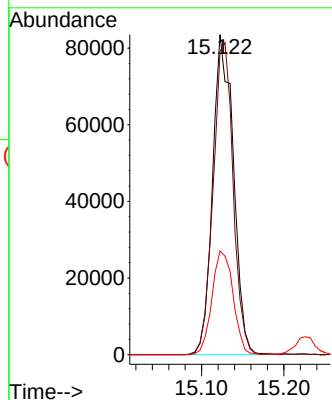
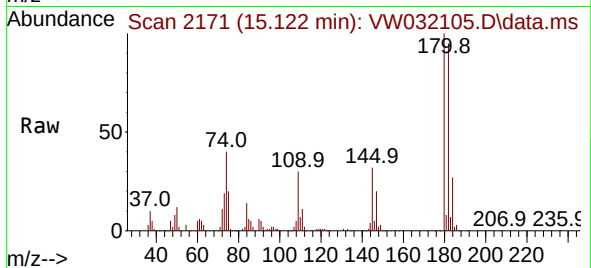
Tgt Ion:180 Resp: 146018

Ion Ratio Lower Upper

180 100

182 94.2 49.0 147.0

145 33.1 17.3 51.9



#94

Hexachlorobutadiene

Concen: 50.817 ug/l

RT: 15.226 min Scan# 2188

Delta R.T. -0.000 min

Lab File: VW032105.D

Acq: 14 Aug 2025 19:32

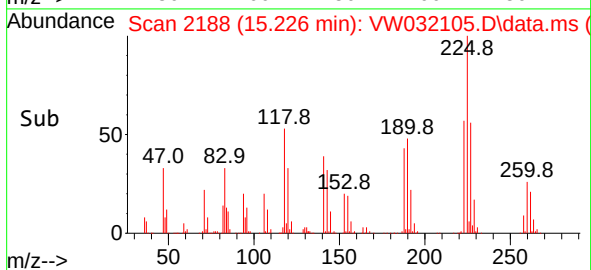
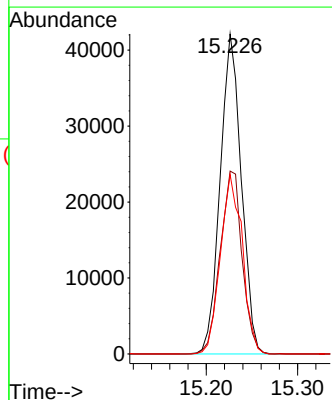
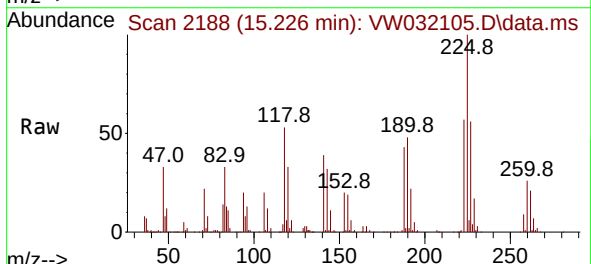
Tgt Ion:225 Resp: 67884

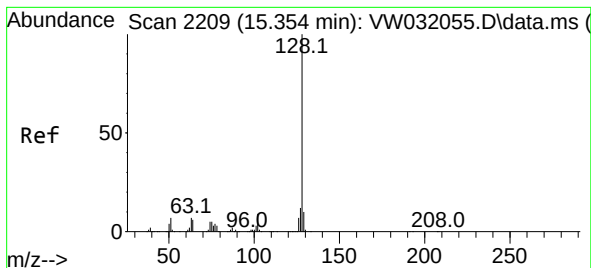
Ion Ratio Lower Upper

225 100

223 59.2 31.8 95.3

227 58.1 33.5 100.5





#95

Naphthalene

Concen: 47.200 ug/l

RT: 15.354 min Scan# 21

Delta R.T. -0.000 min

Lab File: VW032105.D

Acq: 14 Aug 2025 19:32

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

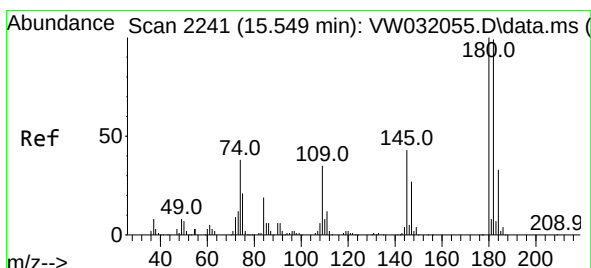
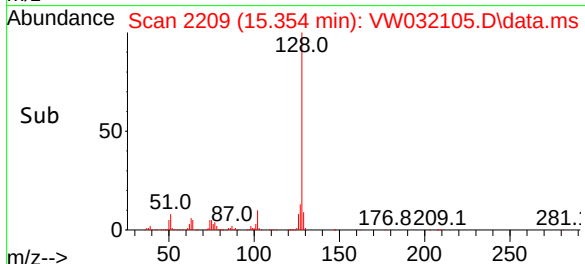
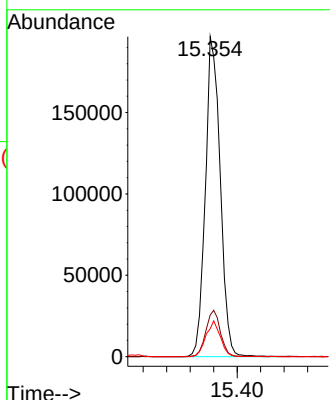
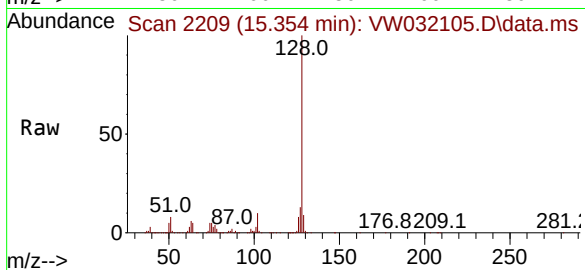
Tgt Ion:128 Resp: 345629

Ion Ratio Lower Upper

128 100

127 14.3 10.5 15.7

129 10.9 8.2 12.4



#96

1,2,3-Trichlorobenzene

Concen: 50.054 ug/l

RT: 15.543 min Scan# 2240

Delta R.T. -0.006 min

Lab File: VW032105.D

Acq: 14 Aug 2025 19:32

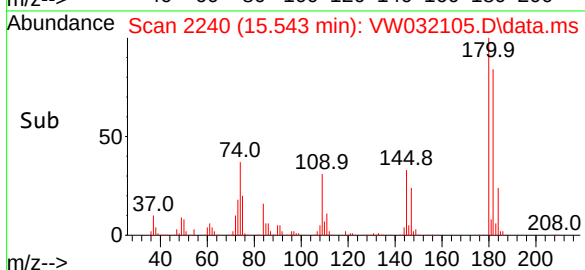
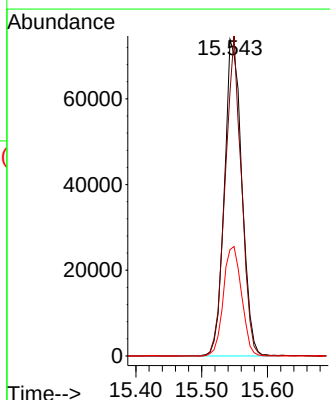
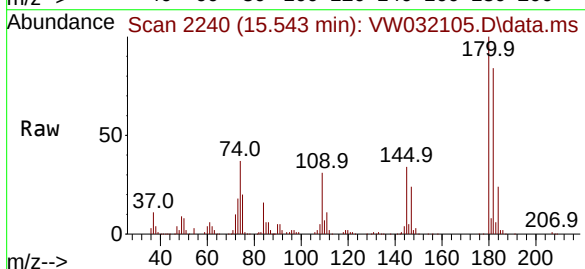
Tgt Ion:180 Resp: 136101

Ion Ratio Lower Upper

180 100

182 94.1 46.0 138.0

145 36.0 19.2 57.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081225\
 Data File : VY023050.D
 Acq On : 12 Aug 2025 14:54
 Operator : SY/MD
 Sample : VSTDICC005
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC005

Quant Time: Aug 13 01:50:18 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 13 01:46:43 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	561390	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	904866	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	759914	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	360397	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	27563	5.152	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	10.300%#
35) Dibromofluoromethane	7.634	113	26265	4.851	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	9.700%#
50) Toluene-d8	10.103	98	104144	4.924	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	9.840%#
62) 4-Bromofluorobenzene	12.402	95	32420	4.766	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	9.540%#

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.861	85	27351	5.969	ug/l	96
3) Chloromethane	2.068	50	39269	5.291	ug/l	98
4) Vinyl Chloride	2.202	62	48736	5.312	ug/l	99
5) Bromomethane	2.592	94	37773	5.513	ug/l	97
6) Chloroethane	2.732	64	32816	5.380	ug/l	98
7) Trichlorofluoromethane	3.050	101	59438	5.328	ug/l	99
8) Diethyl Ether	3.452	74	15231	5.160	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.812	101	29291	5.322	ug/l	98
10) Methyl Iodide	3.994	142	26272	4.424	ug/l	98
11) Tert butyl alcohol	4.866	59	9219	25.147	ug/l #	92
12) 1,1-Dichloroethene	3.787	96	27635	5.108	ug/l	87
13) Acrolein	3.647	56	13391	24.941	ug/l	95
14) Allyl chloride	4.372	41	41201	5.176	ug/l	94
15) Acrylonitrile	5.061	53	28255	23.547	ug/l	95
16) Acetone	3.866	43	30803	26.574	ug/l	98
17) Carbon Disulfide	4.098	76	92964	5.270	ug/l	96
18) Methyl Acetate	4.379	43	16806	4.872	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	66308	4.730	ug/l	98
20) Methylene Chloride	4.604	84	48322	5.657	ug/l	97
21) trans-1,2-Dichloroethene	5.110	96	30021	4.938	ug/l	97
22) Diisopropyl ether	6.012	45	80938	4.679	ug/l	91
23) Vinyl Acetate	5.958	43	221862	23.196	ug/l	97
24) 1,1-Dichloroethane	5.909	63	52152	4.931	ug/l	99
25) 2-Butanone	6.890	43	37821	23.991	ug/l	97
26) 2,2-Dichloropropane	6.878	77	46964	5.147	ug/l	99
27) cis-1,2-Dichloroethene	6.884	96	34877	4.962	ug/l	97
28) Bromochloromethane	7.238	49	20615	4.913	ug/l	96
29) Tetrahydrofuran	7.256	42	23487	24.035	ug/l	96
30) Chloroform	7.415	83	54392	4.987	ug/l	96
31) Cyclohexane	7.701	56	58362	5.856	ug/l #	83
32) 1,1,1-Trichloroethane	7.610	97	48413	5.003	ug/l	99
36) 1,1-Dichloropropene	7.829	75	39978	4.968	ug/l	99
37) Ethyl Acetate	6.982	43	15080	4.461	ug/l #	95
38) Carbon Tetrachloride	7.811	117	44360	5.076	ug/l	99
39) Methylcyclohexane	9.103	83	51931	4.901	ug/l	99
40) Benzene	8.073	78	122482	4.939	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081225\
 Data File : VY023050.D
 Acq On : 12 Aug 2025 14:54
 Operator : SY/MD
 Sample : VSTDICC005
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC005

Quant Time: Aug 13 01:50:18 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 13 01:46:43 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.213	41	6006	3.075	ug/l #	56
42) 1,2-Dichloroethane	8.152	62	31902	4.946	ug/l	98
43) Isopropyl Acetate	8.195	43	31890	4.668	ug/l	100
44) Trichloroethene	8.859	130	32050	5.001	ug/l	93
45) 1,2-Dichloropropane	9.134	63	27418	4.805	ug/l	93
46) Dibromomethane	9.225	93	15033	4.590	ug/l	97
47) Bromodichloromethane	9.420	83	40327	4.785	ug/l	98
48) Methyl methacrylate	9.219	41	13477	4.122	ug/l	90
49) 1,4-Dioxane	9.231	88	3454	89.939	ug/l #	91
51) 4-Methyl-2-Pentanone	9.993	43	75891	21.535	ug/l	100
52) Toluene	10.164	92	73910	4.692	ug/l	100
53) t-1,3-Dichloropropene	10.390	75	34154	4.475	ug/l	99
54) cis-1,3-Dichloropropene	9.853	75	41326	4.579	ug/l	97
55) 1,1,2-Trichloroethane	10.566	97	20795	4.745	ug/l	98
56) Ethyl methacrylate	10.432	69	22376	3.990	ug/l	99
57) 1,3-Dichloropropane	10.713	76	34835	4.687	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.707	63	51585	19.500	ug/l	100
59) 2-Hexanone	10.755	43	50604	21.088	ug/l	97
60) Dibromochloromethane	10.908	129	27141	4.693	ug/l	100
61) 1,2-Dibromoethane	11.012	107	18652	4.528	ug/l	97
64) Tetrachloroethene	10.640	164	36210	5.336	ug/l	97
65) Chlorobenzene	11.438	112	80684	4.922	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.511	131	26397	4.745	ug/l	94
67) Ethyl Benzene	11.511	91	134854	4.781	ug/l	99
68) m/p-Xylenes	11.621	106	102783	9.329	ug/l	97
69) o-Xylene	11.950	106	45944	4.453	ug/l	94
70) Styrene	11.963	104	71801	4.255	ug/l	97
71) Bromoform	12.127	173	14954	4.599	ug/l #	94
73) Isopropylbenzene	12.249	105	123246	4.845	ug/l	99
74) N-amyl acetate	12.066	43	22829	4.232	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.499	83	21057	4.848	ug/l	98
76) 1,2,3-Trichloropropane	12.554	75	28374	8.152	ug/l #	100
77) Bromobenzene	12.530	156	29681	4.891	ug/l	100
78) n-propylbenzene	12.590	91	146043	4.822	ug/l	99
79) 2-Chlorotoluene	12.670	91	84671	4.880	ug/l	99
80) 1,3,5-Trimethylbenzene	12.731	105	96308	4.685	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.298	75	6514	4.533	ug/l	89
82) 4-Chlorotoluene	12.773	91	87454	4.859	ug/l	99
83) tert-Butylbenzene	12.993	119	87496	4.712	ug/l	99
84) 1,2,4-Trimethylbenzene	13.036	105	93551	4.571	ug/l	100
85) sec-Butylbenzene	13.170	105	131079	4.806	ug/l	99
86) p-Isopropyltoluene	13.285	119	103731	4.582	ug/l	99
87) 1,3-Dichlorobenzene	13.279	146	57668	4.819	ug/l	99
88) 1,4-Dichlorobenzene	13.359	146	60781	5.120	ug/l	97
89) n-Butylbenzene	13.609	91	94594	4.549	ug/l	98
90) Hexachloroethane	13.871	117	22980	4.958	ug/l	97
91) 1,2-Dichlorobenzene	13.651	146	50829	4.843	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.267	75	3369	4.982	ug/l	93
93) 1,2,4-Trichlorobenzene	14.913	180	28399	4.576	ug/l	98
94) Hexachlorobutadiene	15.017	225	19196	5.263	ug/l	96
95) Naphthalene	15.133	128	43395	4.100	ug/l	99
96) 1,2,3-Trichlorobenzene	15.322	180	24703	4.619	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081225\
Data File : VY023050.D
Acq On : 12 Aug 2025 14:54
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

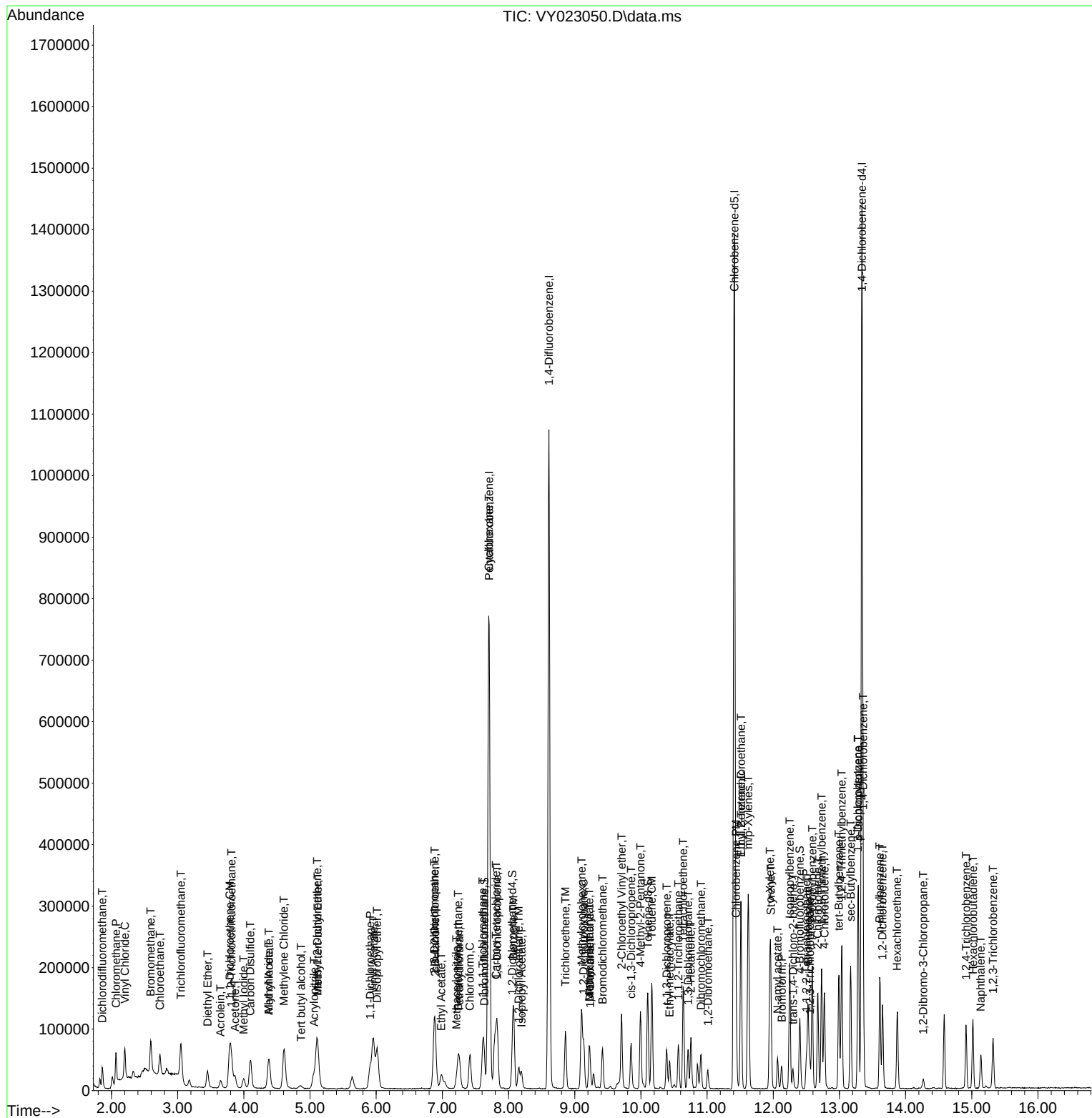
Quant Time: Aug 13 01:50:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 01:46:43 2025
Response via : Initial Calibration

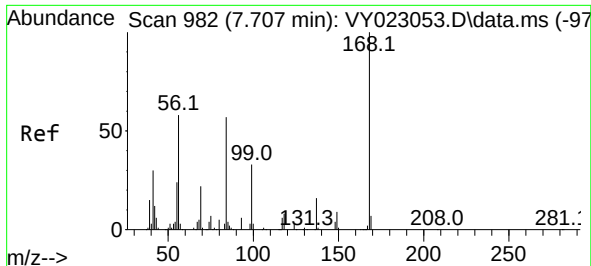
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Quant Time: Aug 13 01:50:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 01:46:43 2025
Response via : Initial Calibration

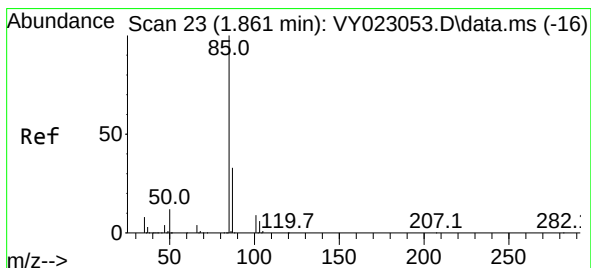
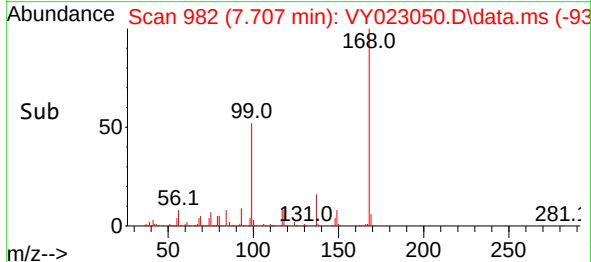
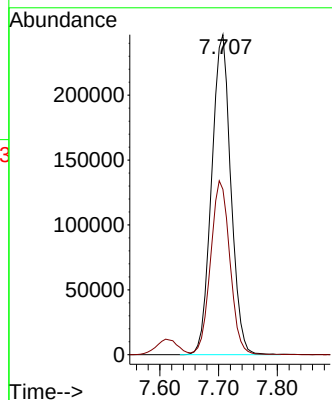
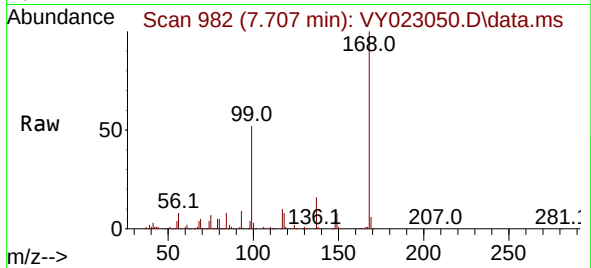




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

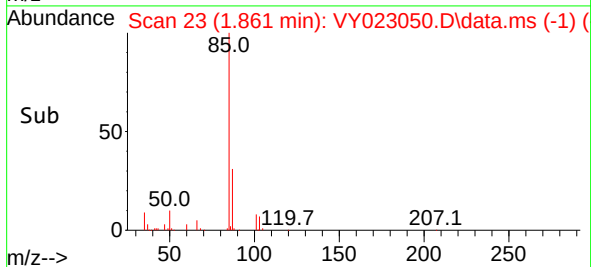
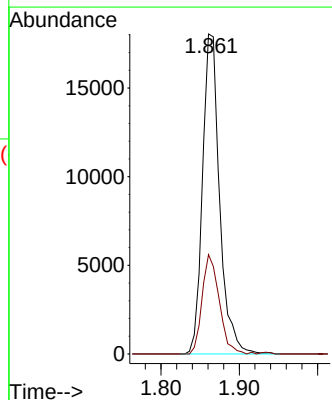
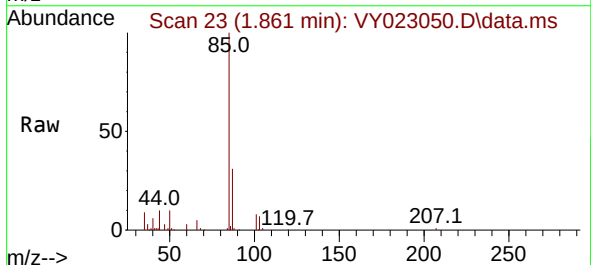
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

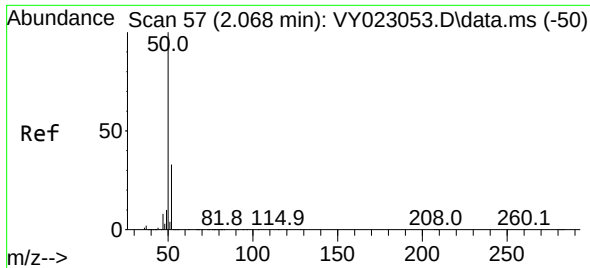
Tgt Ion:168 Resp: 561390
Ion Ratio Lower Upper
168 100
99 51.5 42.8 64.2



#2
Dichlorodifluoromethane
Concen: 5.969 ug/l
RT: 1.861 min Scan# 23
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion: 85 Resp: 27351
Ion Ratio Lower Upper
85 100
87 31.0 16.6 49.8

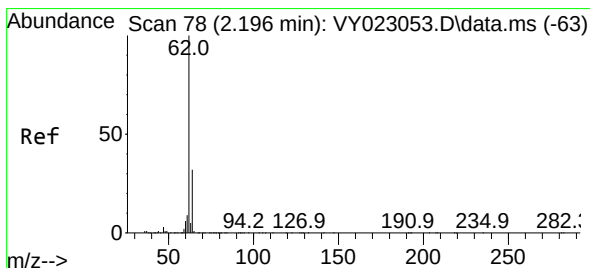
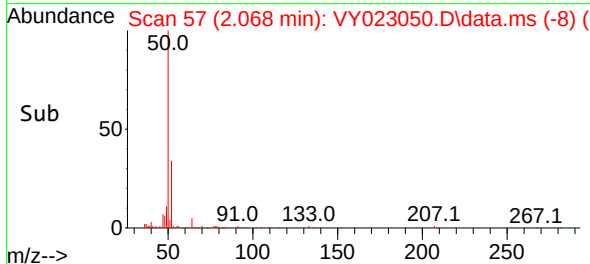
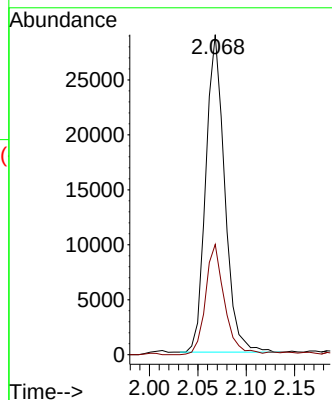
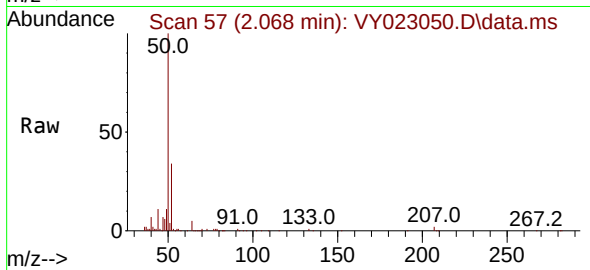




#3
Chloromethane
Concen: 5.291 ug/l
RT: 2.068 min Scan# 51
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

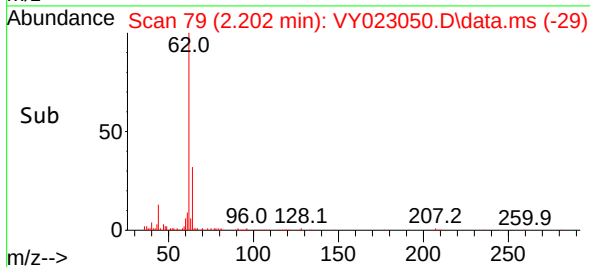
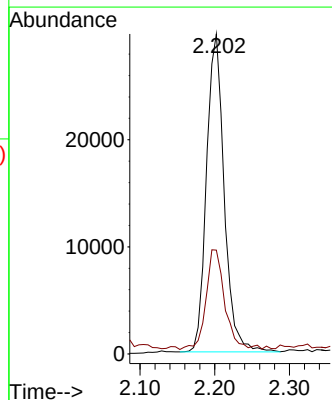
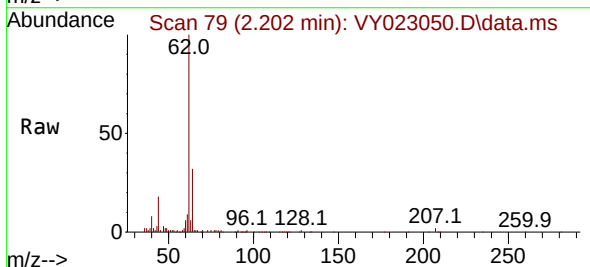
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

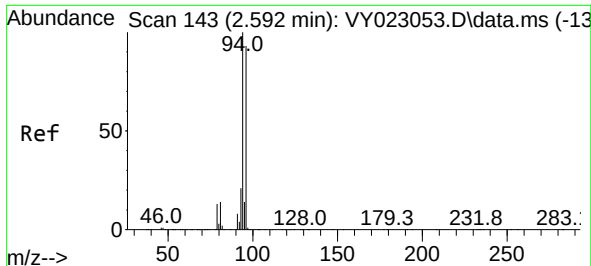
Tgt Ion: 50 Resp: 39269
Ion Ratio Lower Upper
50 100
52 34.7 26.7 40.1



#4
Vinyl Chloride
Concen: 5.312 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.006 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion: 62 Resp: 48736
Ion Ratio Lower Upper
62 100
64 31.3 25.4 38.0

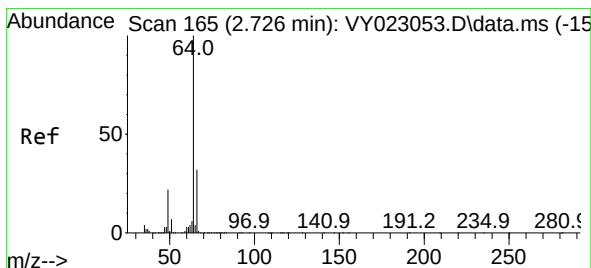
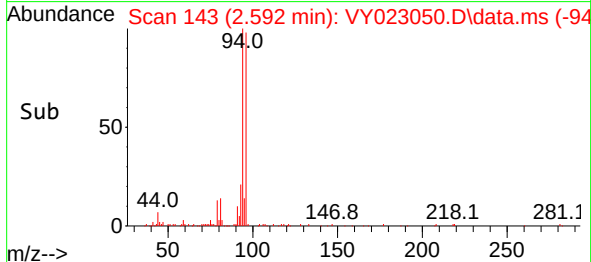
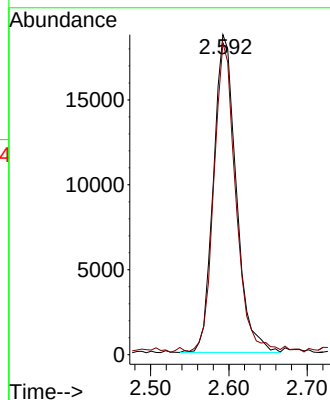
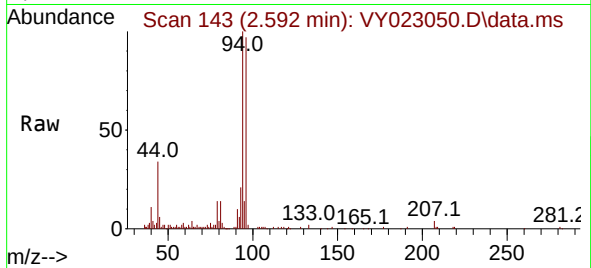




#5
Bromomethane
Concen: 5.513 ug/l
RT: 2.592 min Scan# 143
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

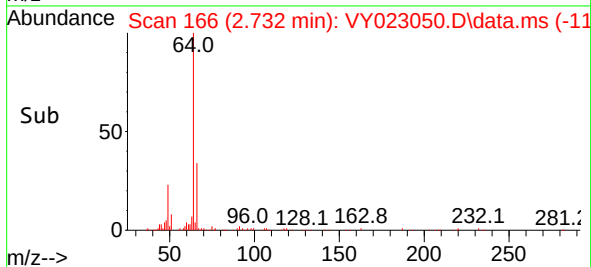
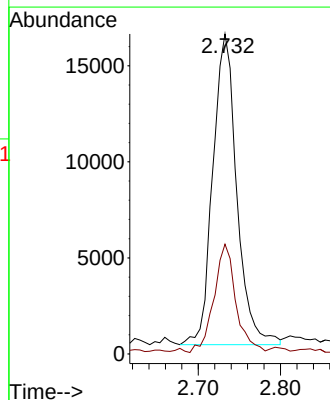
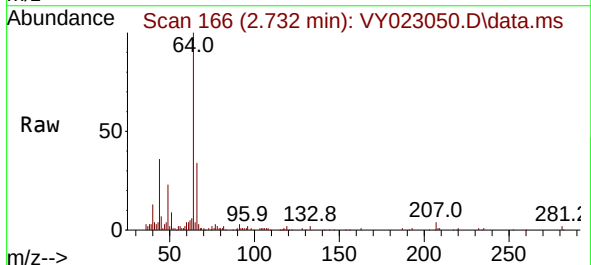
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

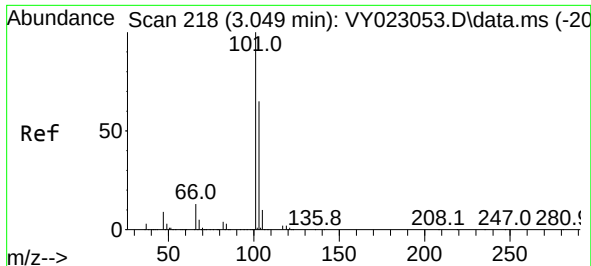
Tgt Ion: 94 Resp: 37773
Ion Ratio Lower Upper
94 100
96 96.5 74.6 112.0



#6
Chloroethane
Concen: 5.380 ug/l
RT: 2.732 min Scan# 166
Delta R.T. 0.006 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion: 64 Resp: 32816
Ion Ratio Lower Upper
64 100
66 33.5 25.8 38.6

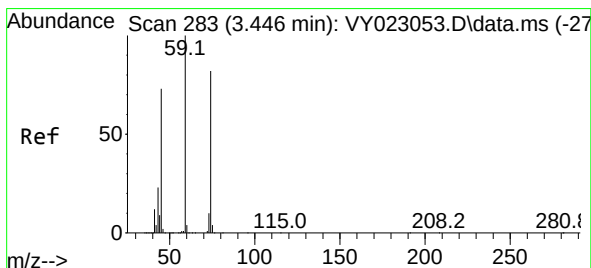
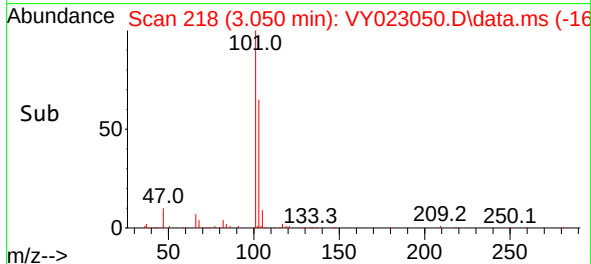
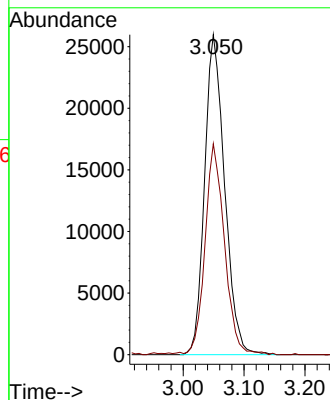
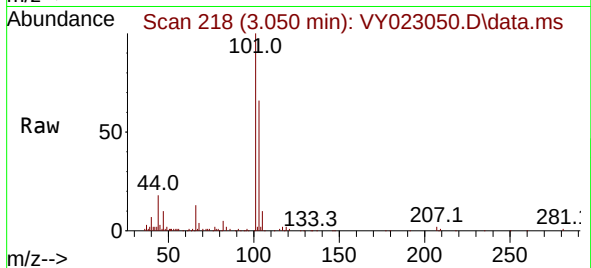




#7
 Trichlorofluoromethane
 Concen: 5.328 ug/l
 RT: 3.050 min Scan# 218
 Delta R.T. 0.000 min
 Lab File: VY023050.D
 Acq: 12 Aug 2025 14:54

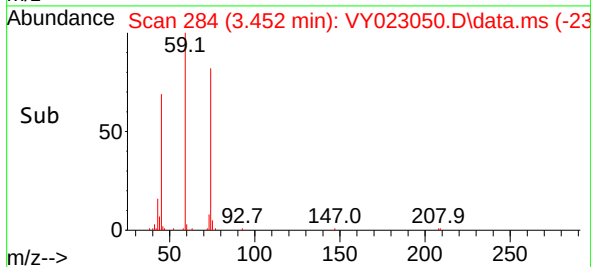
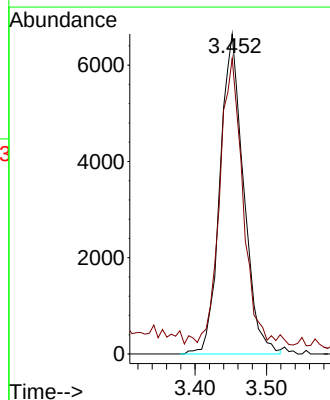
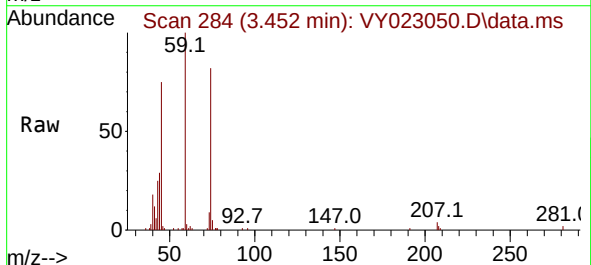
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

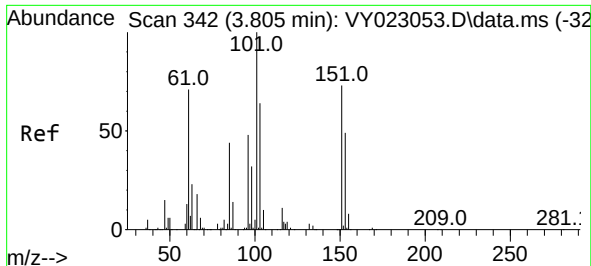
Tgt Ion:101 Resp: 59438
 Ion Ratio Lower Upper
 101 100
 103 65.9 51.9 77.9



#8
 Diethyl Ether
 Concen: 5.160 ug/l
 RT: 3.452 min Scan# 284
 Delta R.T. 0.006 min
 Lab File: VY023050.D
 Acq: 12 Aug 2025 14:54

Tgt Ion: 74 Resp: 15231
 Ion Ratio Lower Upper
 74 100
 45 88.2 44.4 133.2

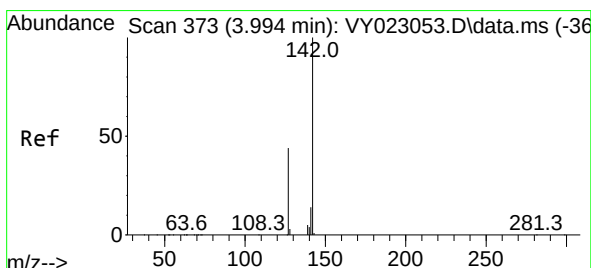
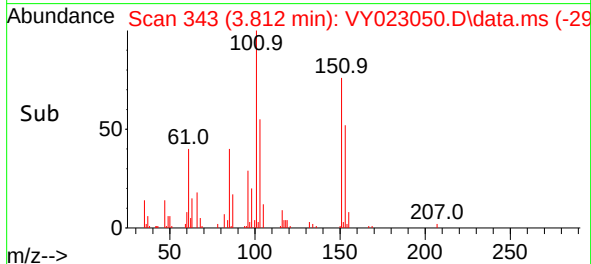
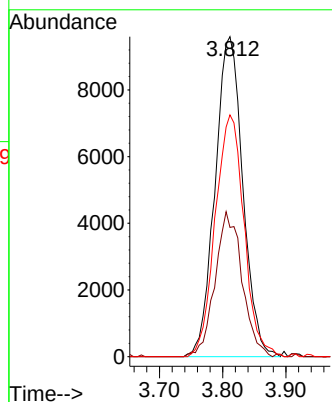
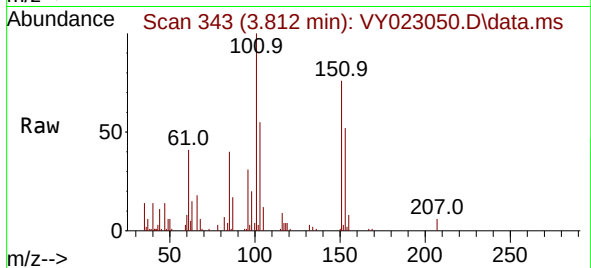




#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.322 ug/l
RT: 3.812 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

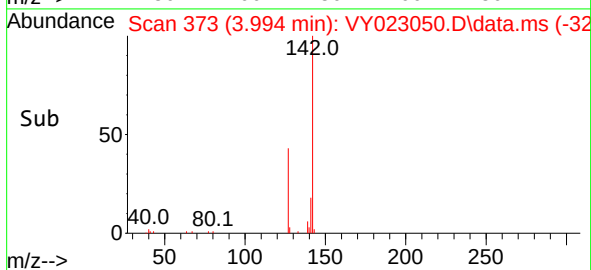
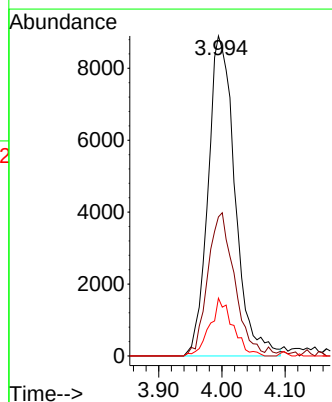
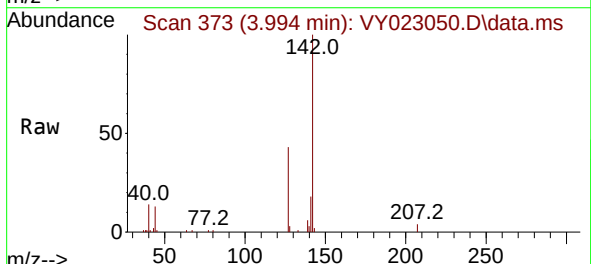
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

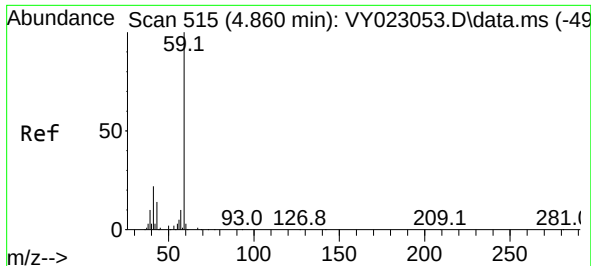
Tgt Ion:101 Resp: 29291
Ion Ratio Lower Upper
101 100
85 44.1 36.3 54.5
151 78.2 61.5 92.3



#10
Methyl Iodide
Concen: 4.424 ug/l
RT: 3.994 min Scan# 373
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion:142 Resp: 26272
Ion Ratio Lower Upper
142 100
127 44.6 34.9 52.3
141 15.6 11.3 16.9

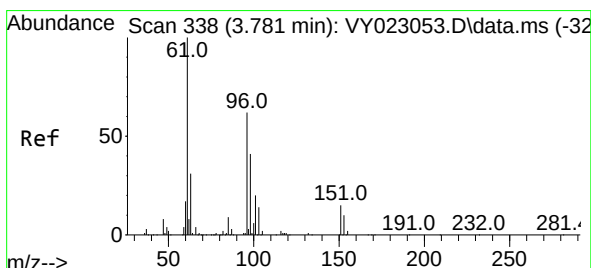
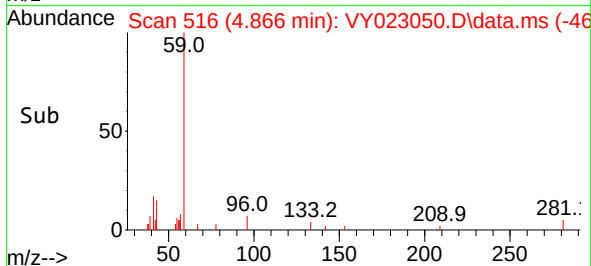
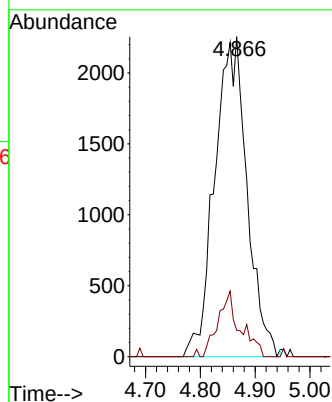
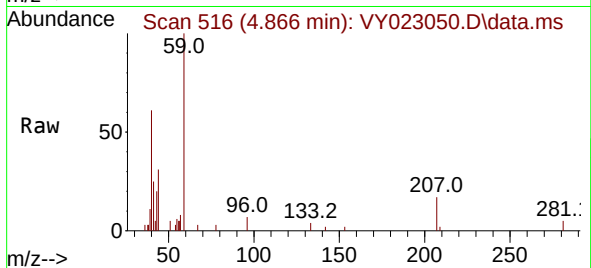




#11
Tert butyl alcohol
Concen: 25.147 ug/l
RT: 4.866 min Scan# 51
Delta R.T. 0.006 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

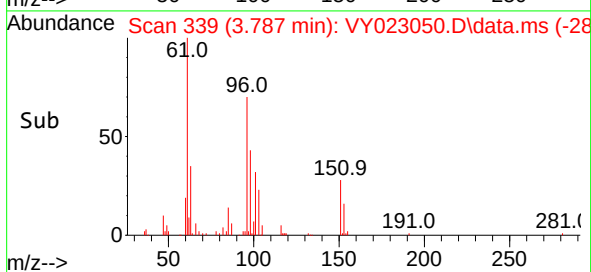
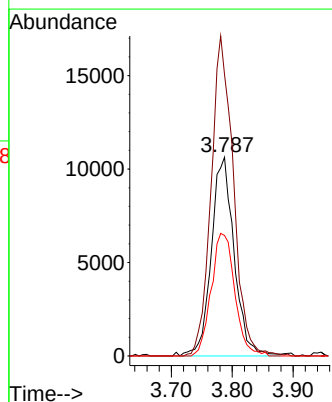
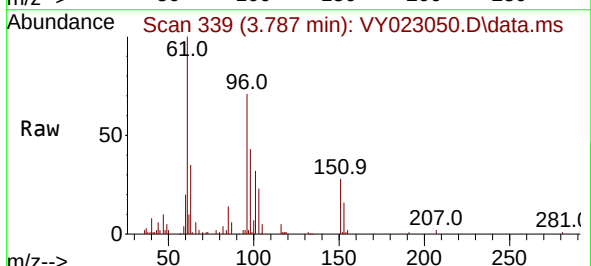
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

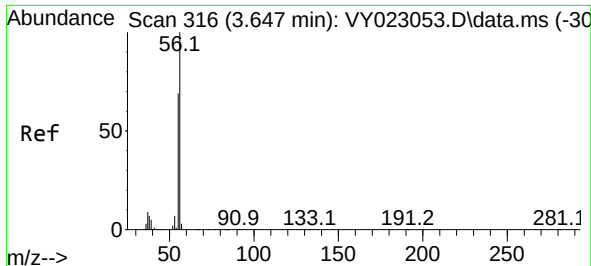
Tgt Ion: 59 Resp: 9219
Ion Ratio Lower Upper
59 100
57 13.9 8.6 13.0#



#12
1,1-Dichloroethene
Concen: 5.108 ug/l
RT: 3.787 min Scan# 339
Delta R.T. 0.006 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion: 96 Resp: 27635
Ion Ratio Lower Upper
96 100
61 141.6 129.4 194.2
98 60.6 52.8 79.2

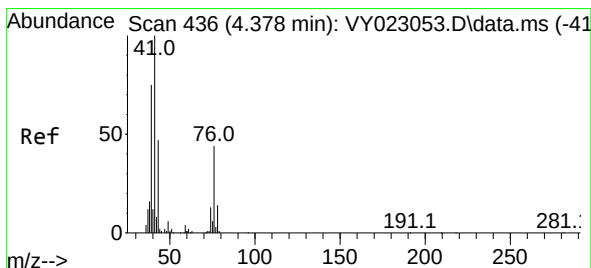
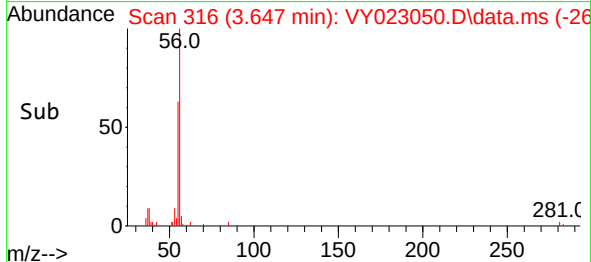
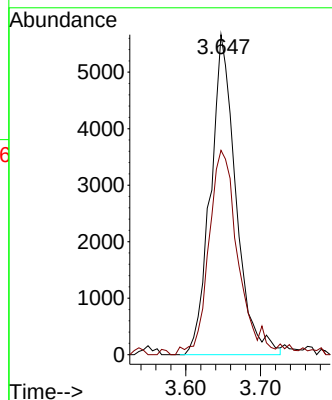
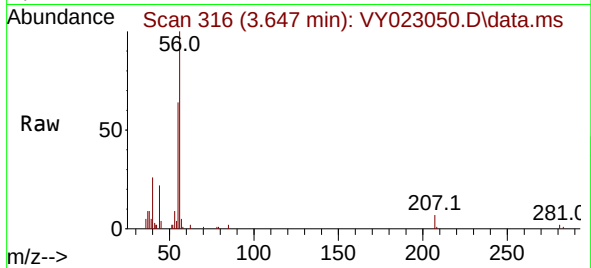




#13
Acrolein
Concen: 24.941 ug/l
RT: 3.647 min Scan# 316
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

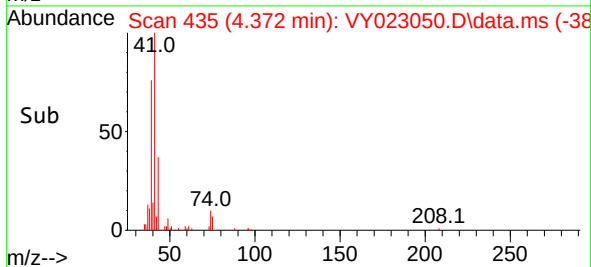
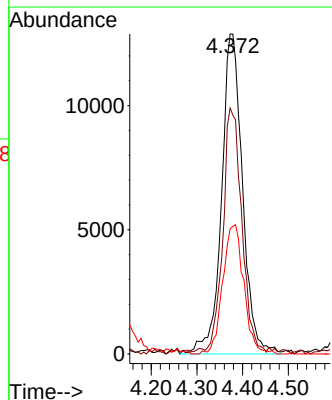
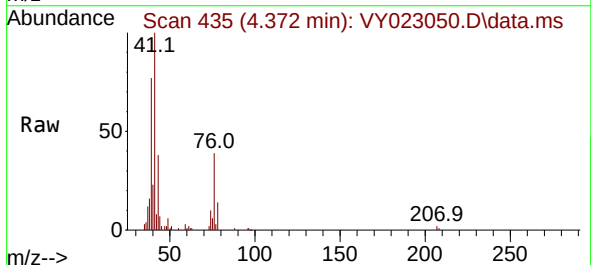
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

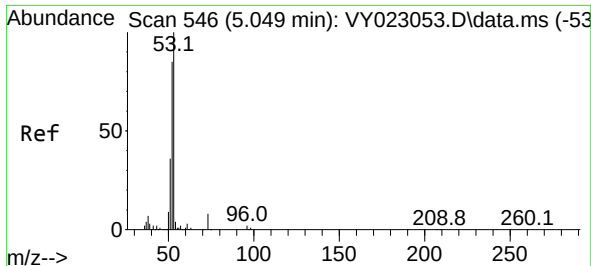
Tgt Ion: 56 Resp: 13391
Ion Ratio Lower Upper
56 100
55 72.8 55.2 82.8



#14
Allyl chloride
Concen: 5.176 ug/l
RT: 4.372 min Scan# 435
Delta R.T. -0.006 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion: 41 Resp: 41201
Ion Ratio Lower Upper
41 100
39 67.7 59.8 89.6
76 40.4 33.7 50.5

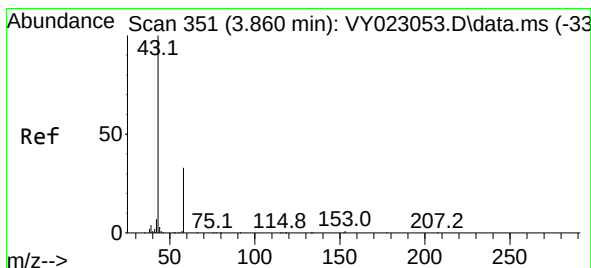
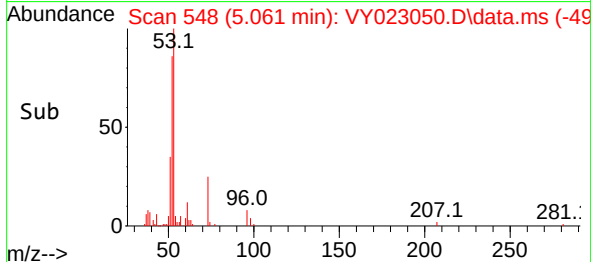
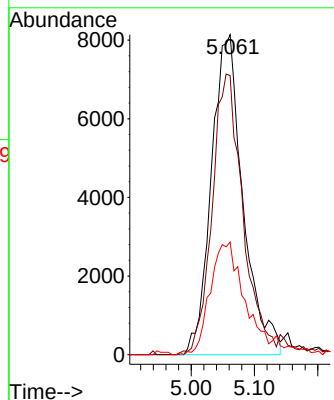
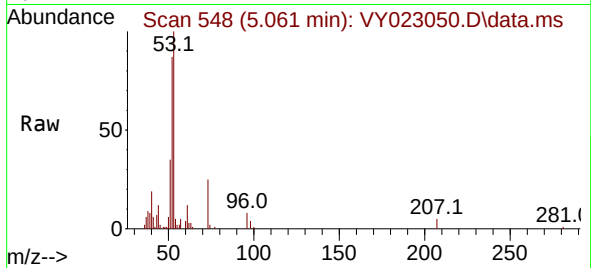




#15
Acrylonitrile
Concen: 23.547 ug/l
RT: 5.061 min Scan# 54
Delta R.T. 0.012 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

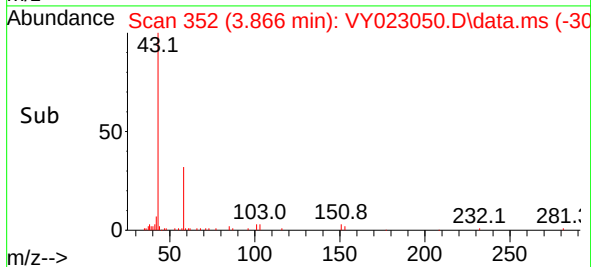
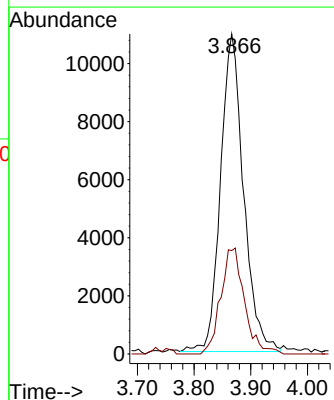
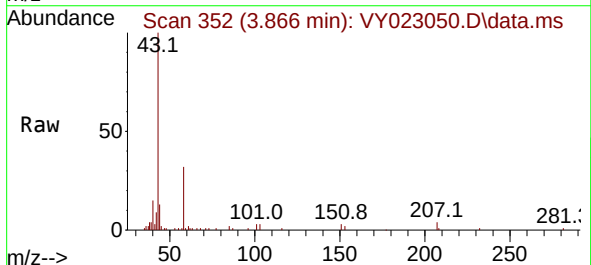
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

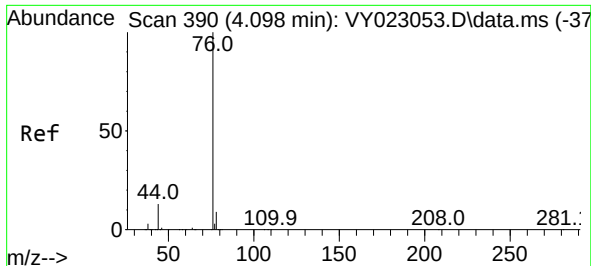
Tgt Ion: 53	Resp: 28255
Ion Ratio	Lower Upper
53	100
52	84.9 65.3 97.9
51	40.9 29.5 44.3



#16
Acetone
Concen: 26.574 ug/l
RT: 3.866 min Scan# 352
Delta R.T. 0.006 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion: 43	Resp: 30803
Ion Ratio	Lower Upper
43	100
58	32.5 27.1 40.7

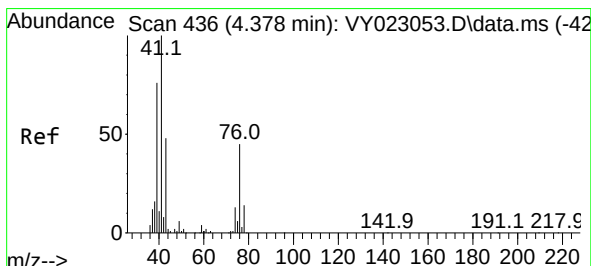
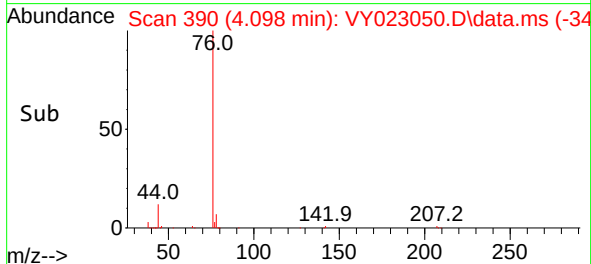
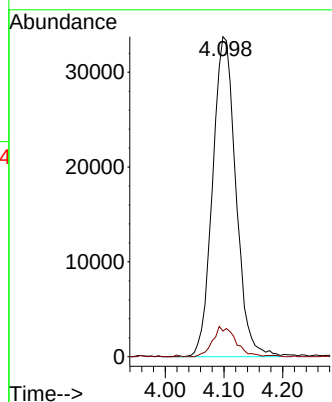
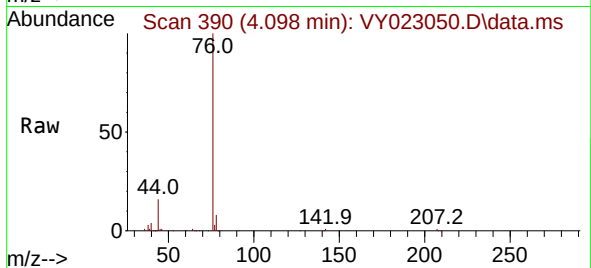




#17
Carbon Disulfide
Concen: 5.270 ug/l
RT: 4.098 min Scan# 390
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

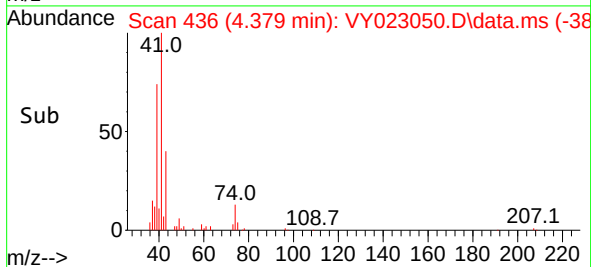
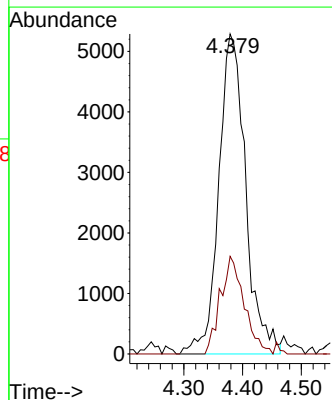
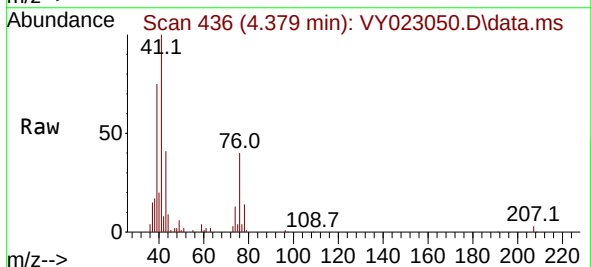
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

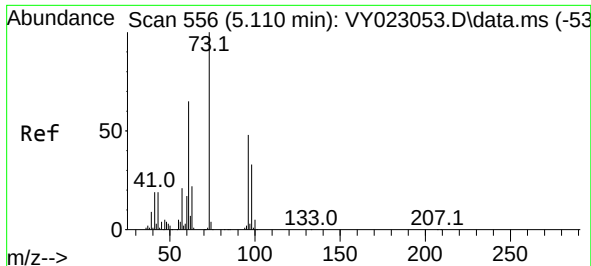
Tgt Ion: 76 Resp: 92964
Ion Ratio Lower Upper
76 100
78 7.8 7.4 11.2



#18
Methyl Acetate
Concen: 4.872 ug/l
RT: 4.379 min Scan# 436
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion: 43 Resp: 16806
Ion Ratio Lower Upper
43 100
74 26.9 21.2 31.8

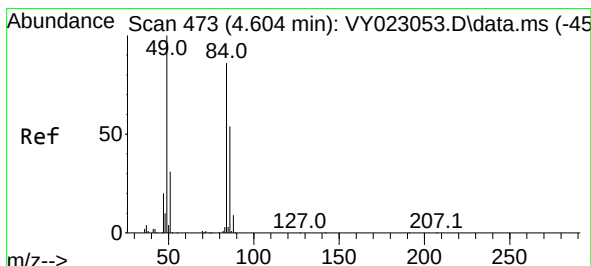
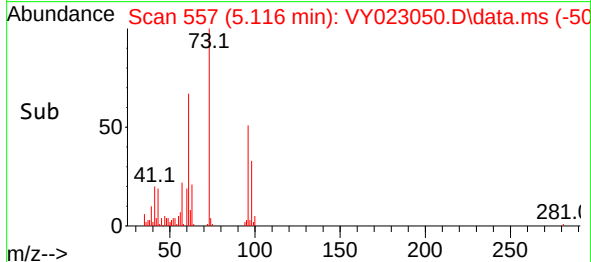
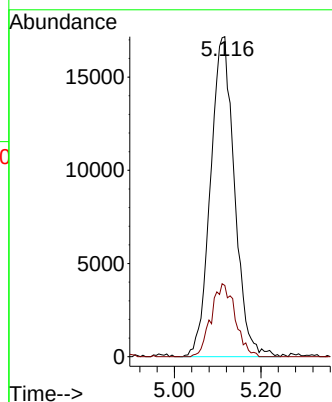
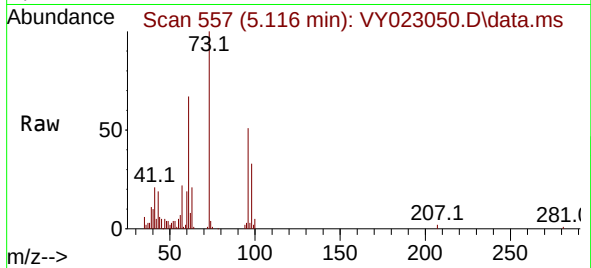




#19
Methyl tert-butyl Ether
Concen: 4.730 ug/l
RT: 5.116 min Scan# 51
Delta R.T. 0.006 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

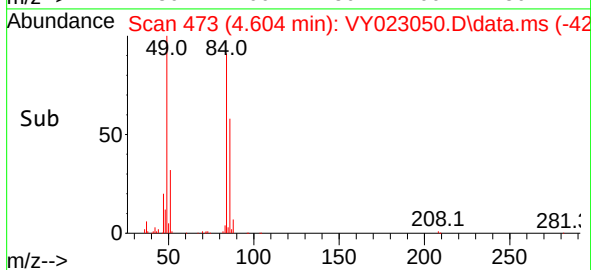
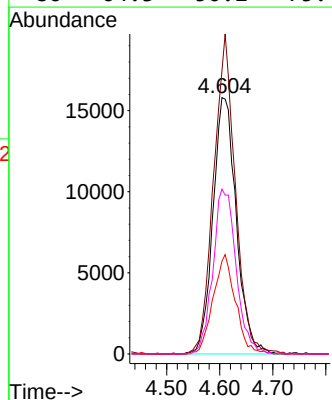
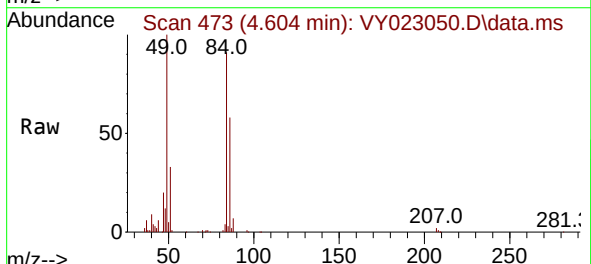
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

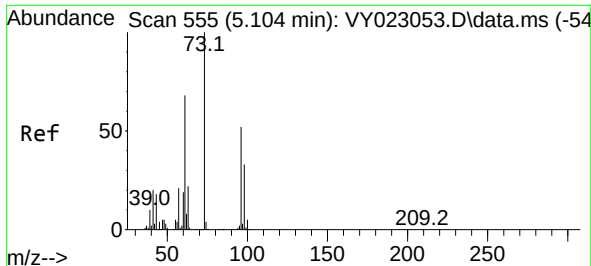
Tgt Ion: 73 Resp: 66308
Ion Ratio Lower Upper
73 100
57 22.3 17.1 25.7



#20
Methylene Chloride
Concen: 5.657 ug/l
RT: 4.604 min Scan# 473
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion: 84 Resp: 48322
Ion Ratio Lower Upper
84 100
49 110.5 93.0 139.6
51 36.2 29.0 43.4
86 64.3 50.2 75.4

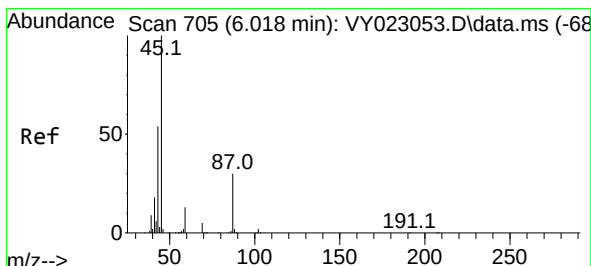
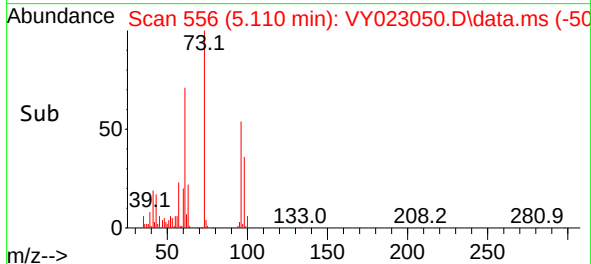
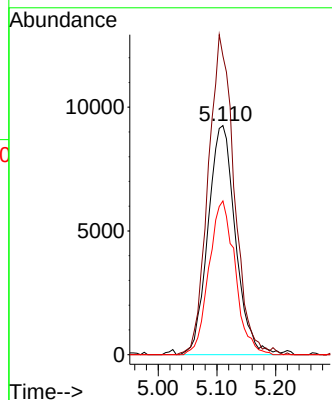
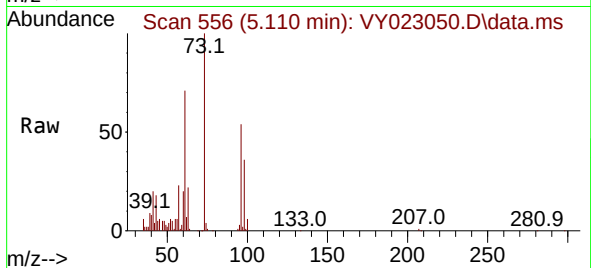




#21
trans-1,2-Dichloroethene
Concen: 4.938 ug/l
RT: 5.110 min Scan# 5110
Delta R.T. 0.006 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

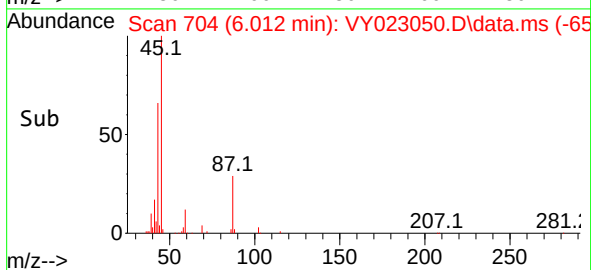
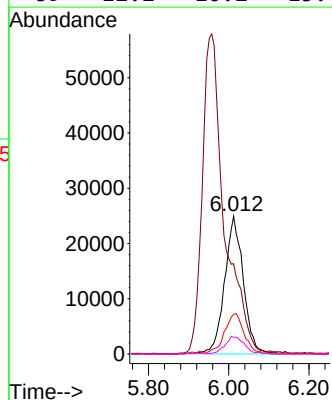
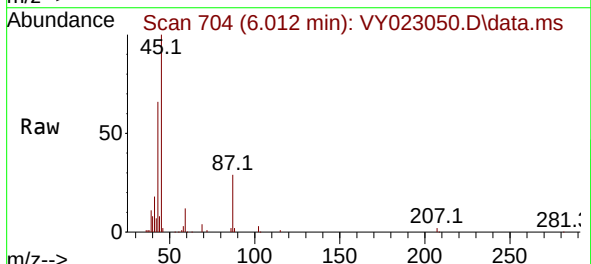
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

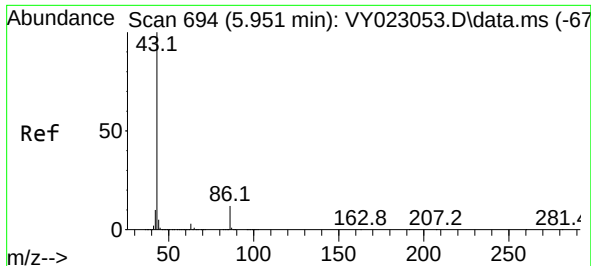
Tgt Ion: 96 Resp: 30021
Ion Ratio Lower Upper
96 100
61 129.7 104.8 157.2
98 67.2 50.1 75.1



#22
Diisopropyl ether
Concen: 4.679 ug/l
RT: 6.012 min Scan# 704
Delta R.T. -0.006 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion: 45 Resp: 80938
Ion Ratio Lower Upper
45 100
43 64.9 43.4 65.0
87 28.9 24.4 36.6
59 12.2 10.2 15.4

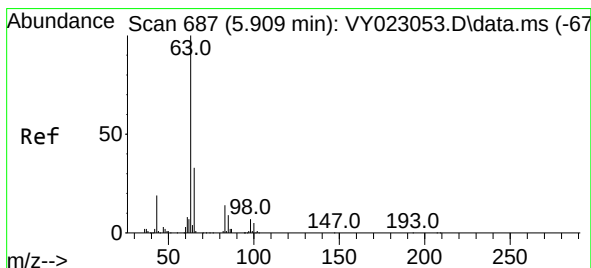
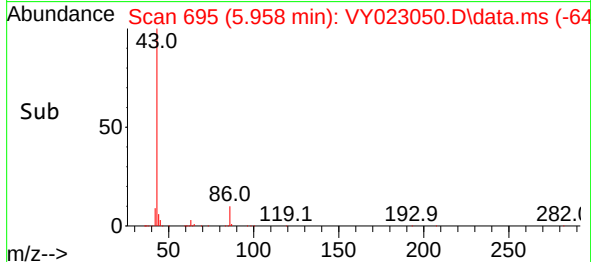
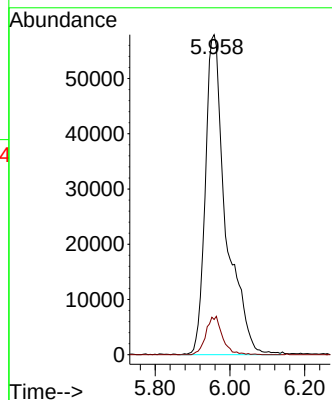
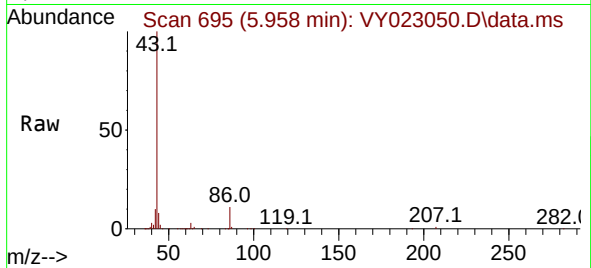




#23
Vinyl Acetate
Concen: 23.196 ug/l
RT: 5.958 min Scan# 694
Delta R.T. 0.006 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

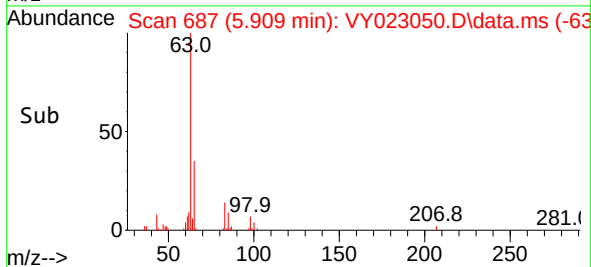
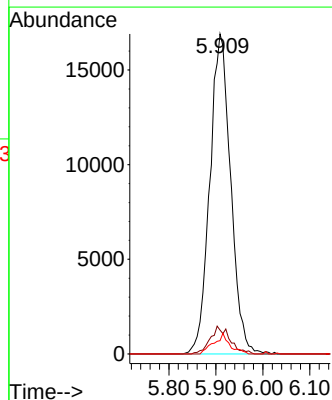
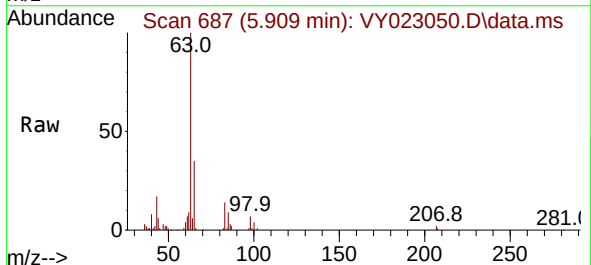
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

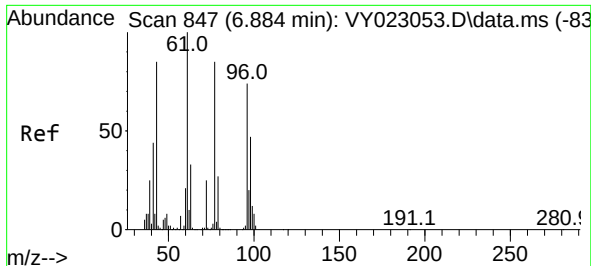
Tgt Ion: 43 Resp: 221862
Ion Ratio Lower Upper
43 100
86 11.0 9.6 14.4



#24
1,1-Dichloroethane
Concen: 4.931 ug/l
RT: 5.909 min Scan# 687
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion: 63 Resp: 52152
Ion Ratio Lower Upper
63 100
98 7.4 3.5 10.6
100 4.1 2.4 7.1

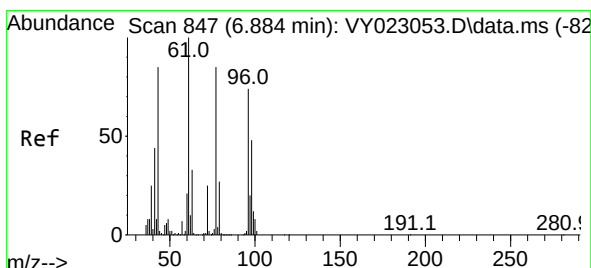
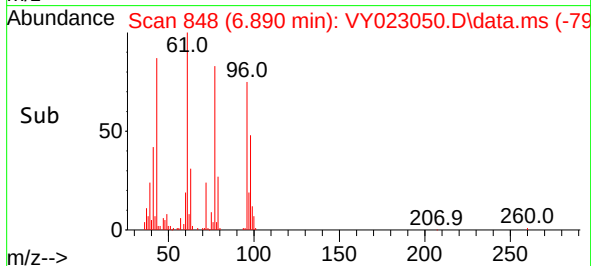
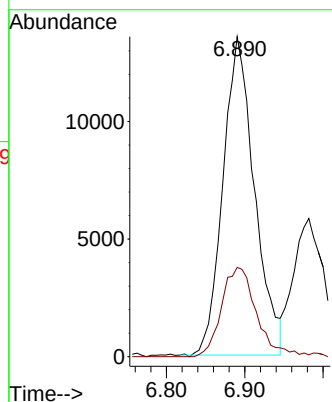
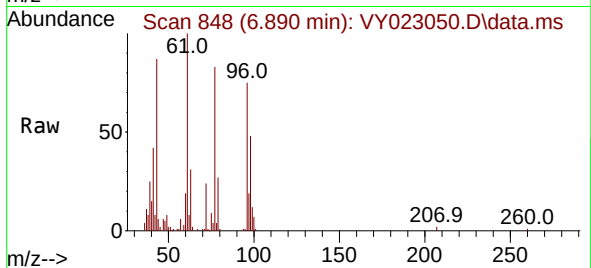




#25
2-Butanone
Concen: 23.991 ug/l
RT: 6.890 min Scan# 847
Delta R.T. 0.006 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

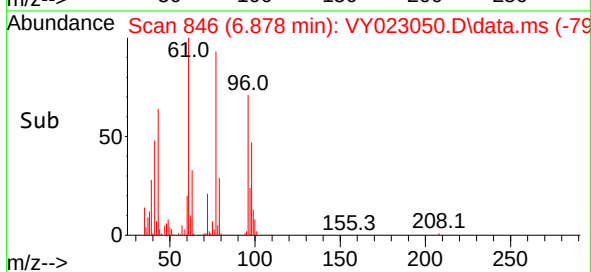
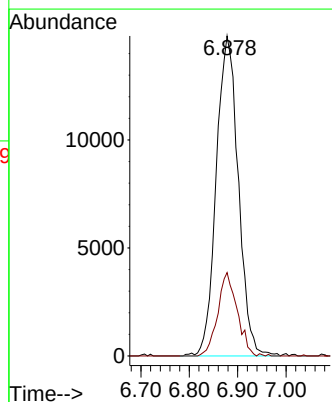
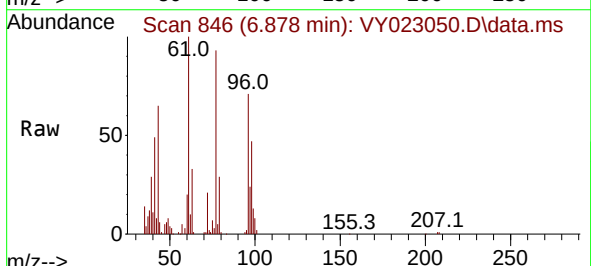
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

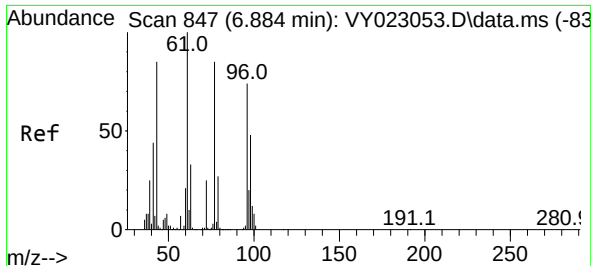
Tgt Ion: 43 Resp: 37821
Ion Ratio Lower Upper
43 100
72 28.0 23.5 35.3



#26
2,2-Dichloropropane
Concen: 5.147 ug/l
RT: 6.878 min Scan# 846
Delta R.T. -0.006 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion: 77 Resp: 46964
Ion Ratio Lower Upper
77 100
97 22.8 11.6 34.8





#27

cis-1,2-Dichloroethene

Concen: 4.962 ug/l

RT: 6.884 min Scan# 847

Delta R.T. 0.000 min

Lab File: VY023050.D

Acq: 12 Aug 2025 14:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

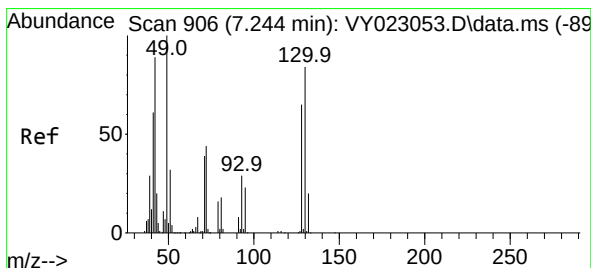
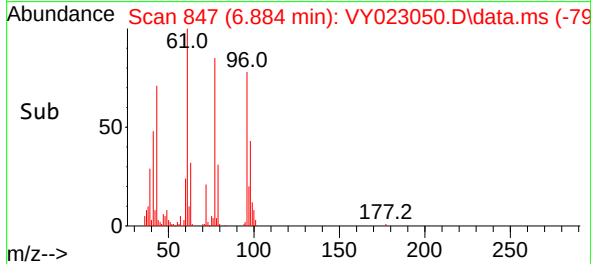
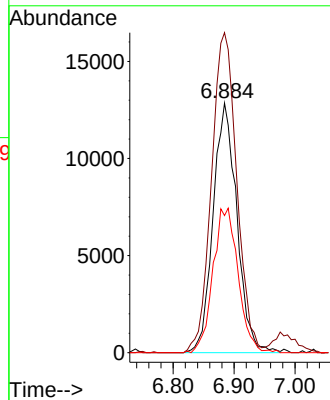
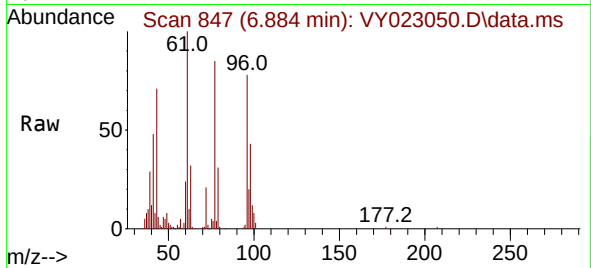
Tgt Ion: 96 Resp: 34877

Ion Ratio Lower Upper

96 100

61 135.9 0.0 278.6

98 61.4 0.0 130.4



#28

Bromochloromethane

Concen: 4.913 ug/l

RT: 7.238 min Scan# 905

Delta R.T. -0.006 min

Lab File: VY023050.D

Acq: 12 Aug 2025 14:54

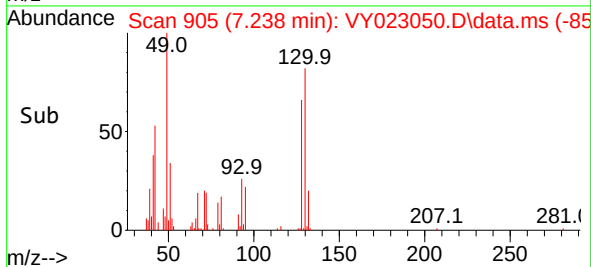
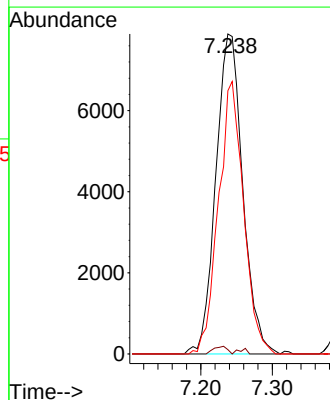
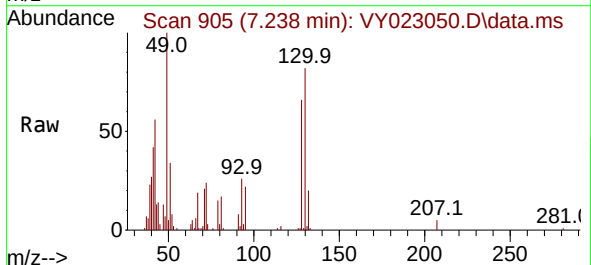
Tgt Ion: 49 Resp: 20615

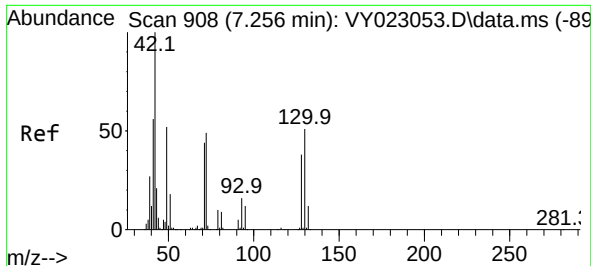
Ion Ratio Lower Upper

49 100

129 1.2 0.0 4.2

130 79.7 66.4 99.6





#29

Tetrahydrofuran

Concen: 24.035 ug/l

RT: 7.256 min Scan# 908

Delta R.T. 0.000 min

Lab File: VY023050.D

Acq: 12 Aug 2025 14:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC005

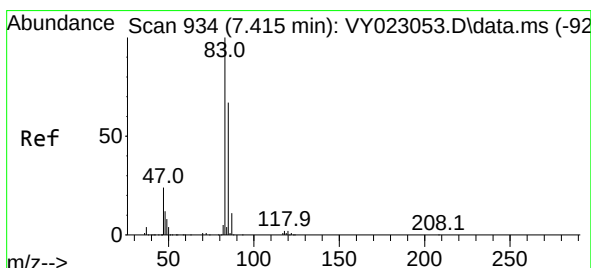
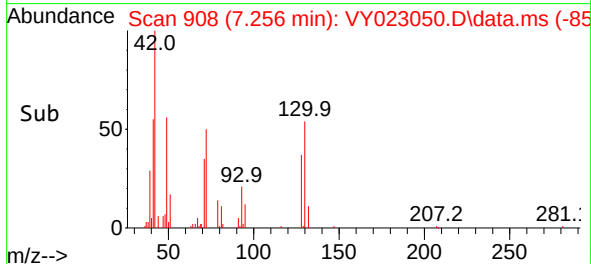
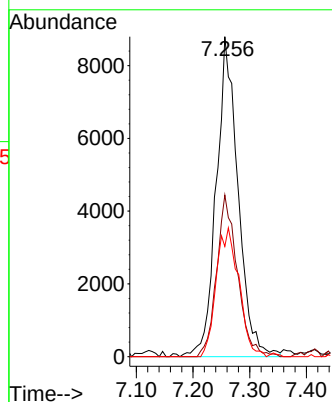
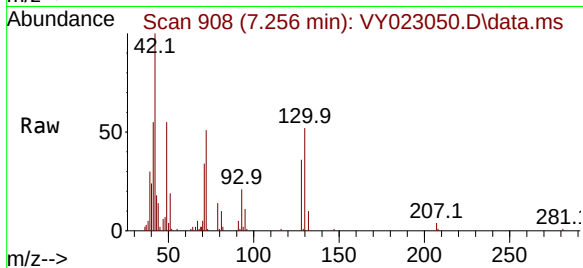
Tgt Ion: 42 Resp: 23487

Ion Ratio Lower Upper

42 100

72 48.1 39.4 59.2

71 41.8 36.5 54.7



#30

Chloroform

Concen: 4.987 ug/l

RT: 7.415 min Scan# 934

Delta R.T. 0.000 min

Lab File: VY023050.D

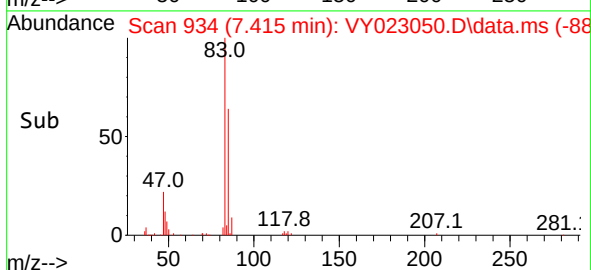
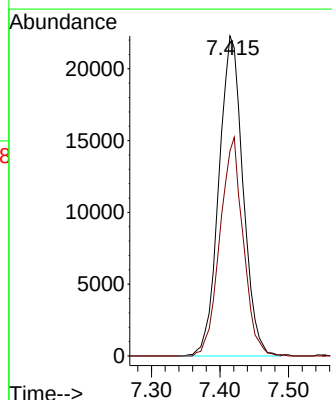
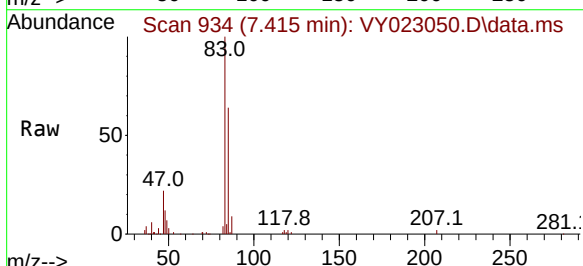
Acq: 12 Aug 2025 14:54

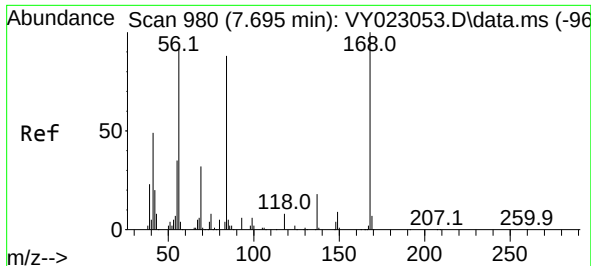
Tgt Ion: 83 Resp: 54392

Ion Ratio Lower Upper

83 100

85 64.0 53.8 80.8

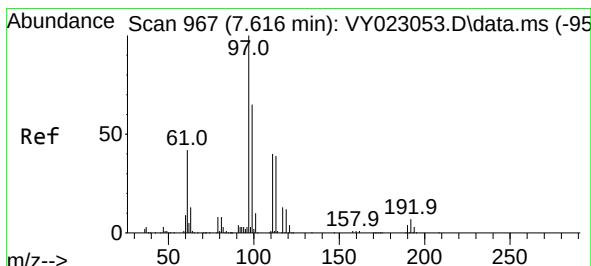
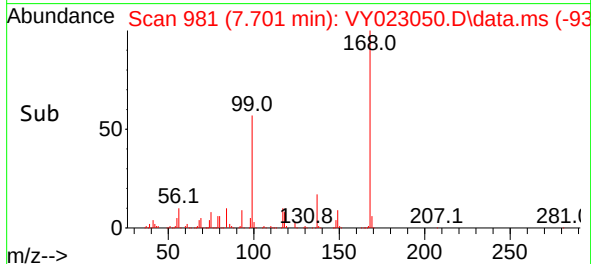
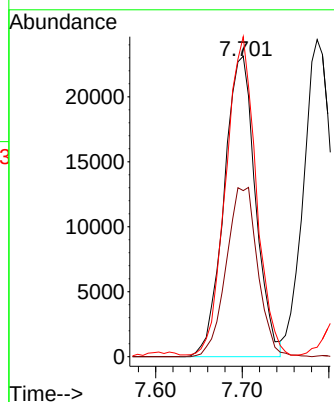
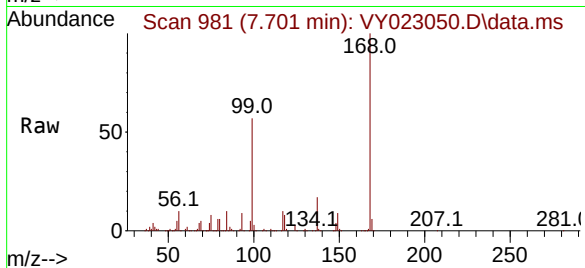




#31
Cyclohexane
Concen: 5.856 ug/l
RT: 7.701 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

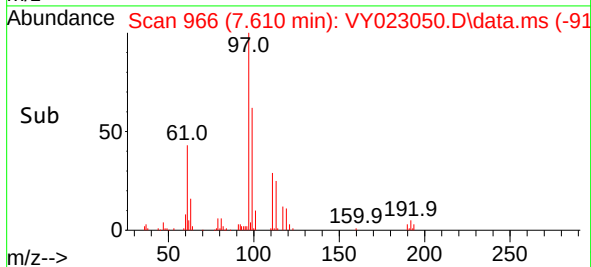
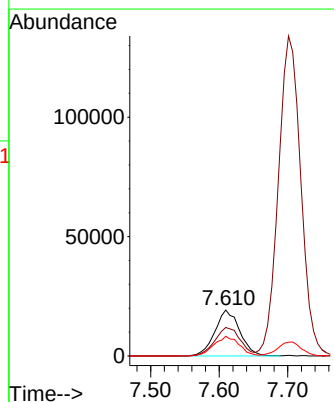
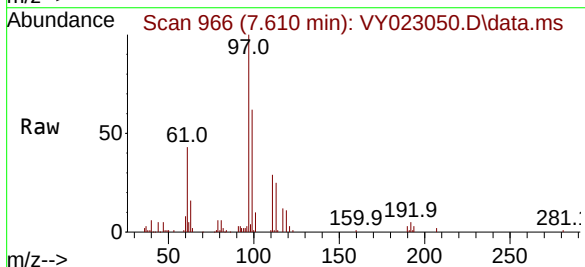
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

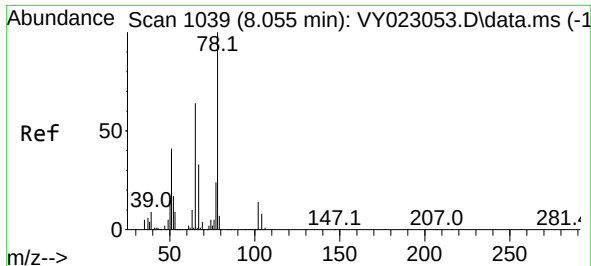
Tgt Ion: 56 Resp: 58362
Ion Ratio Lower Upper
56 100
69 55.3 28.2 42.2#
84 105.9 76.6 114.8



#32
1,1,1-Trichloroethane
Concen: 5.003 ug/l
RT: 7.610 min Scan# 966
Delta R.T. -0.006 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion: 97 Resp: 48413
Ion Ratio Lower Upper
97 100
99 63.8 51.6 77.4
61 43.4 34.2 51.2





#33

1,2-Dichloroethane-d4

Concen: 5.152 ug/l

RT: 8.055 min Scan# 1039

Delta R.T. 0.000 min

Lab File: VY023050.D

Acq: 12 Aug 2025 14:54

Instrument :

MSVOA_Y

ClientSampleId :

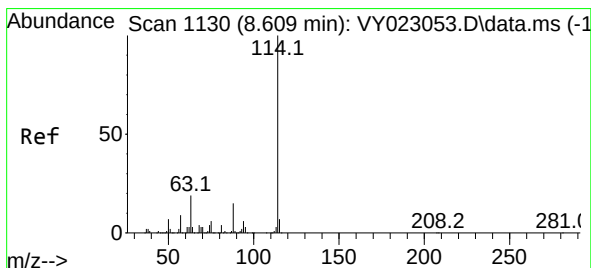
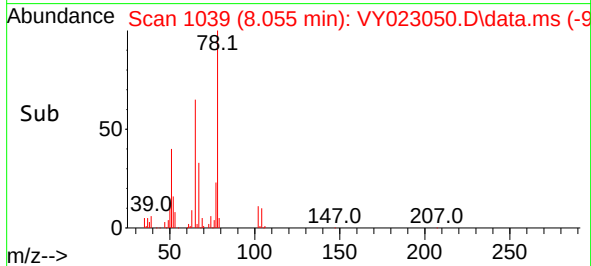
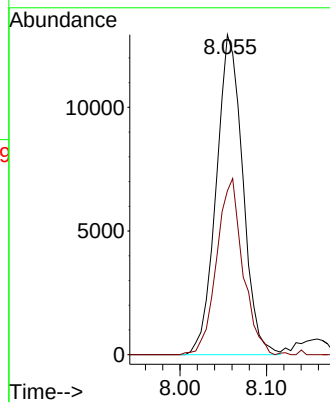
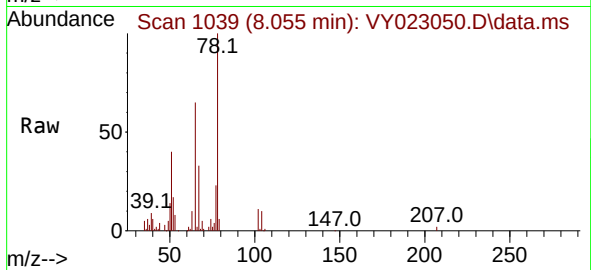
VSTDIC005

Tgt Ion: 65 Resp: 27563

Ion Ratio Lower Upper

65 100

67 54.5 0.0 106.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.610 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VY023050.D

Acq: 12 Aug 2025 14:54

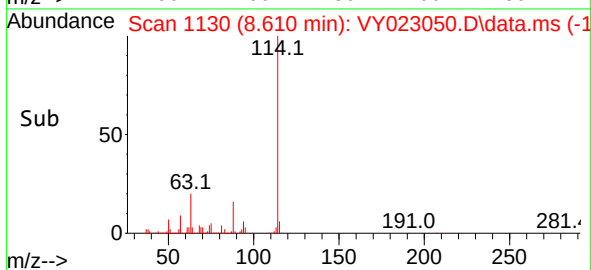
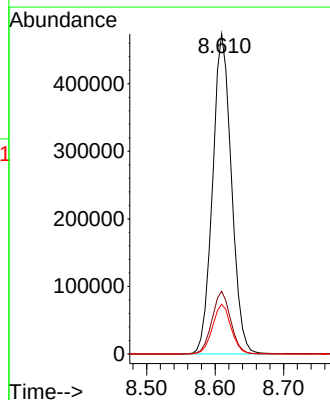
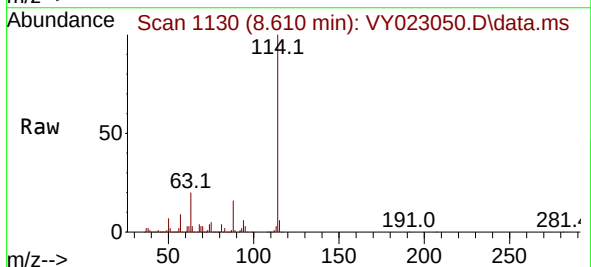
Tgt Ion: 114 Resp: 904866

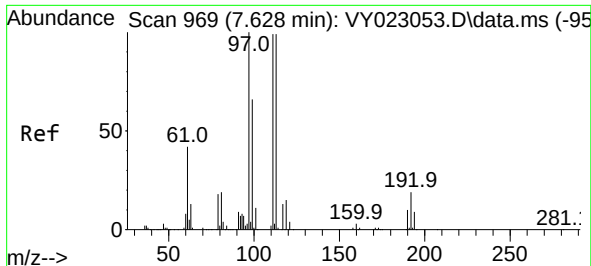
Ion Ratio Lower Upper

114 100

63 19.6 0.0 38.4

88 15.5 0.0 30.0

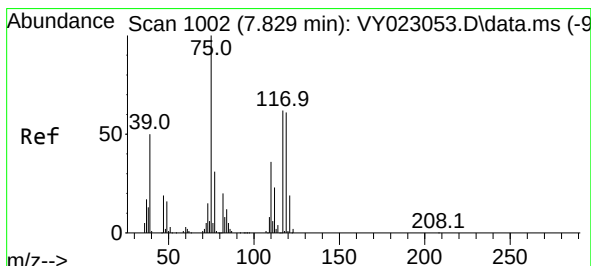
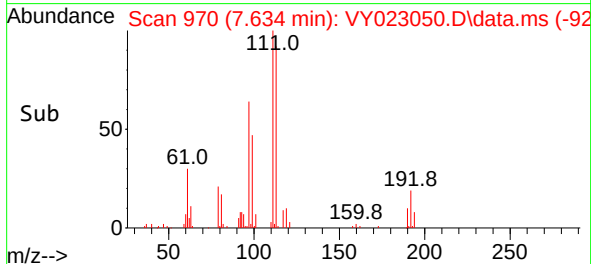
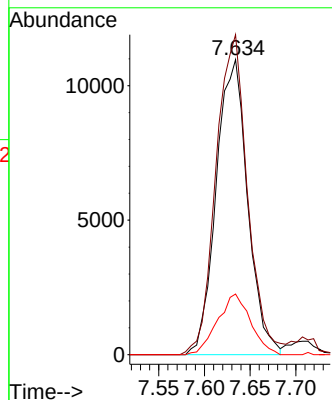
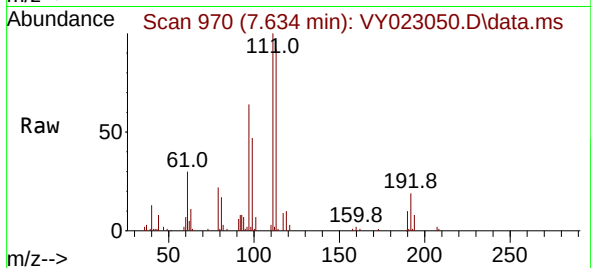




#35
Dibromofluoromethane
Concen: 4.851 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

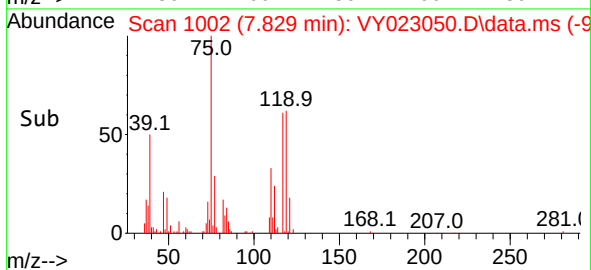
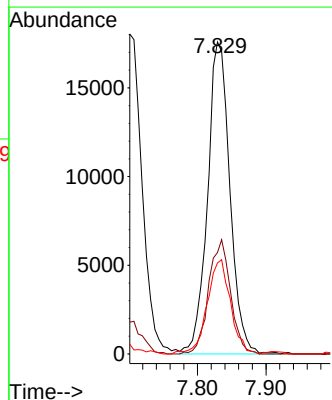
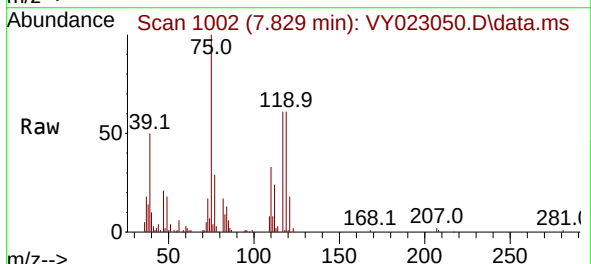
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

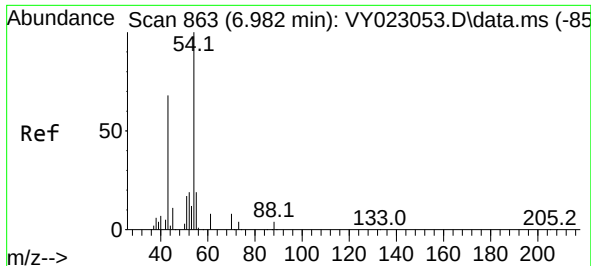
Tgt Ion:113 Resp: 26265
Ion Ratio Lower Upper
113 100
111 108.8 81.1 121.7
192 21.6 16.2 24.4



#36
1,1-Dichloropropene
Concen: 4.968 ug/l
RT: 7.829 min Scan# 1002
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion: 75 Resp: 39978
Ion Ratio Lower Upper
75 100
110 35.9 18.1 54.4
77 31.4 24.6 37.0





#37

Ethyl Acetate

Concen: 4.461 ug/l

RT: 6.982 min Scan# 8

Delta R.T. 0.000 min

Lab File: VY023050.D

Acq: 12 Aug 2025 14:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

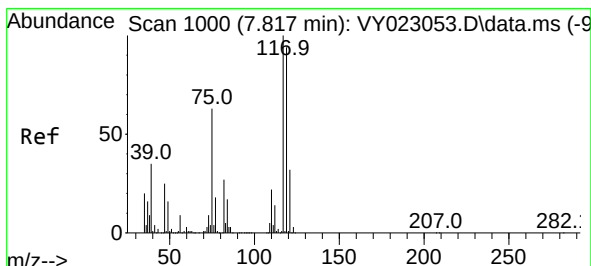
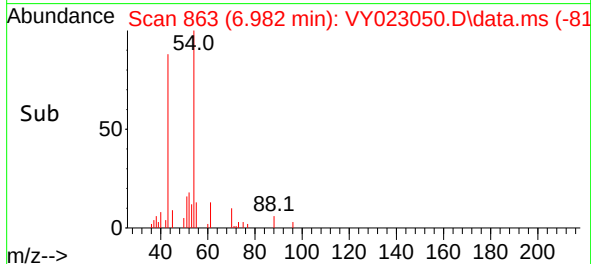
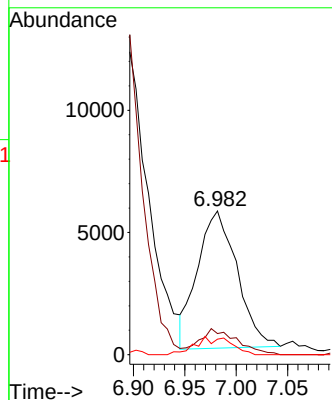
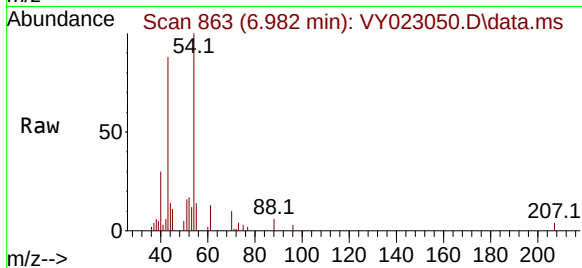
Tgt Ion: 43 Resp: 15080

Ion Ratio Lower Upper

43 100

61 18.1 11.9 17.9#

70 11.6 8.8 13.2



#38

Carbon Tetrachloride

Concen: 5.076 ug/l

RT: 7.811 min Scan# 999

Delta R.T. -0.006 min

Lab File: VY023050.D

Acq: 12 Aug 2025 14:54

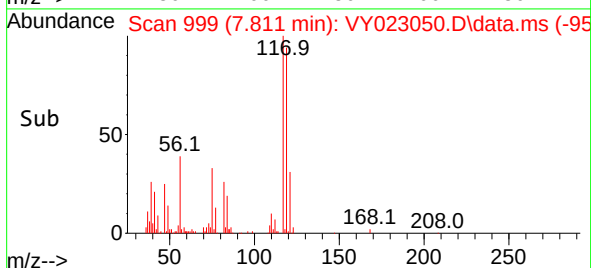
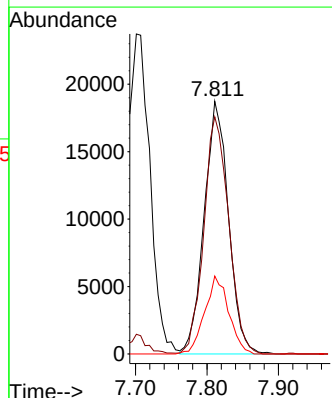
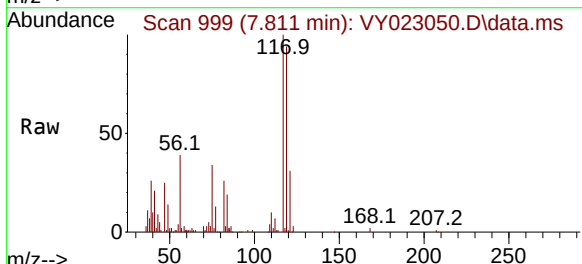
Tgt Ion: 117 Resp: 44360

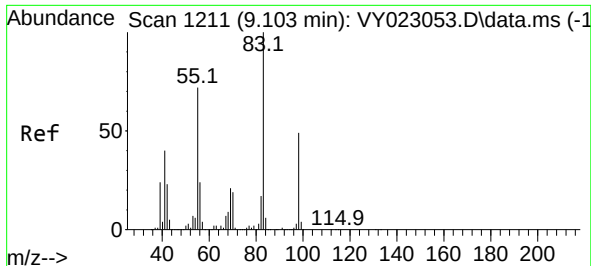
Ion Ratio Lower Upper

117 100

119 93.9 75.6 113.4

121 30.8 25.8 38.8





#39

Methylcyclohexane

Concen: 4.901 ug/l

RT: 9.103 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY023050.D

Acq: 12 Aug 2025 14:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC005

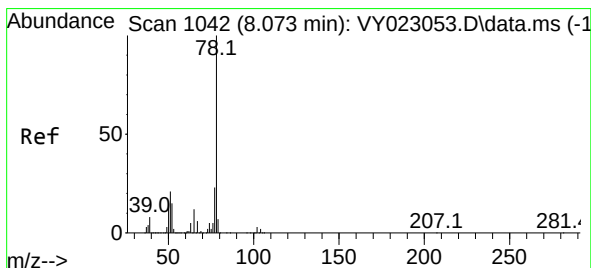
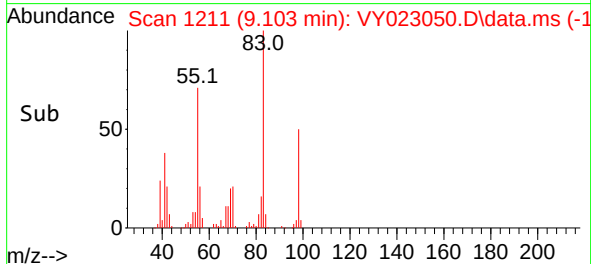
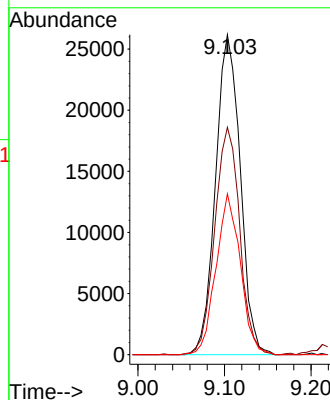
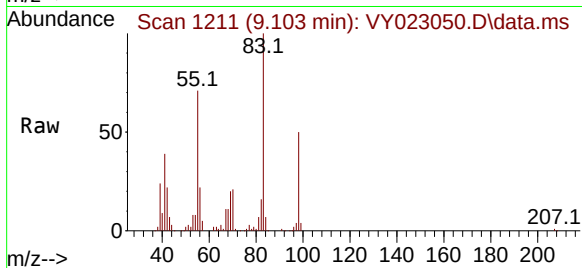
Tgt Ion: 83 Resp: 51931

Ion Ratio Lower Upper

83 100

55 71.1 57.6 86.4

98 50.2 39.2 58.8



#40

Benzene

Concen: 4.939 ug/l

RT: 8.073 min Scan# 1042

Delta R.T. 0.000 min

Lab File: VY023050.D

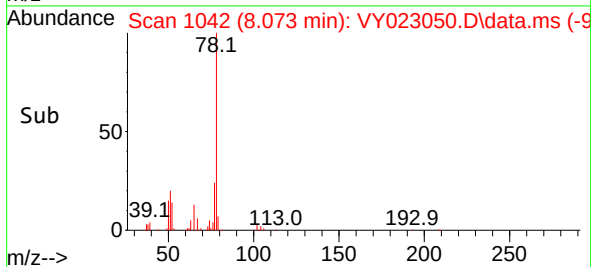
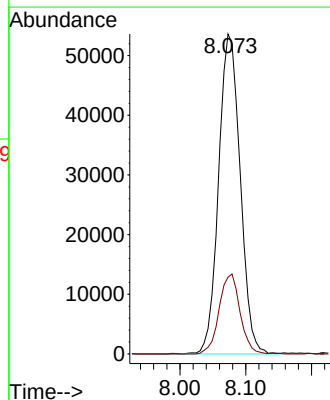
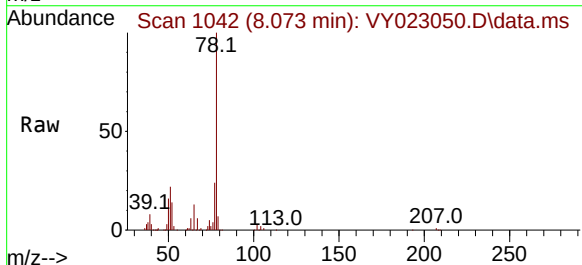
Acq: 12 Aug 2025 14:54

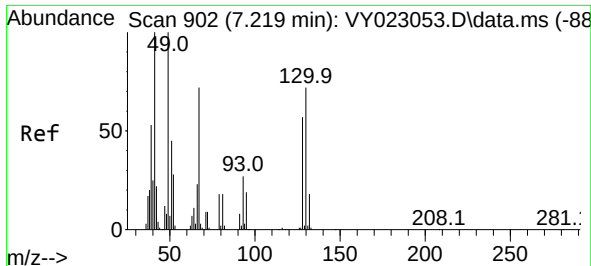
Tgt Ion: 78 Resp: 122482

Ion Ratio Lower Upper

78 100

77 24.0 18.6 28.0

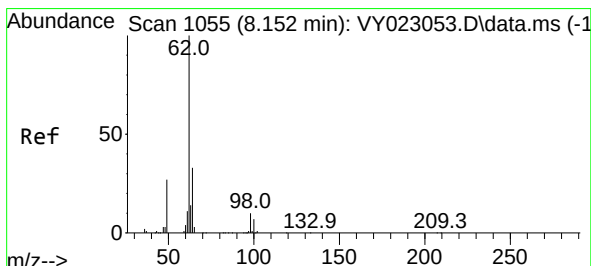
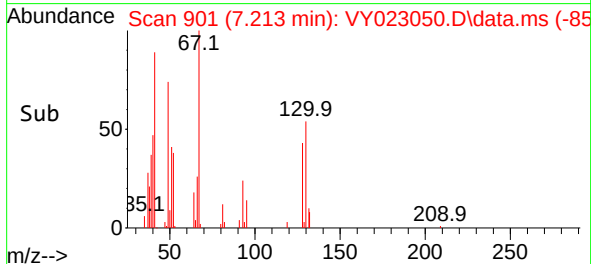
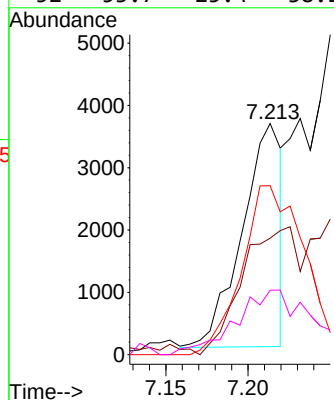
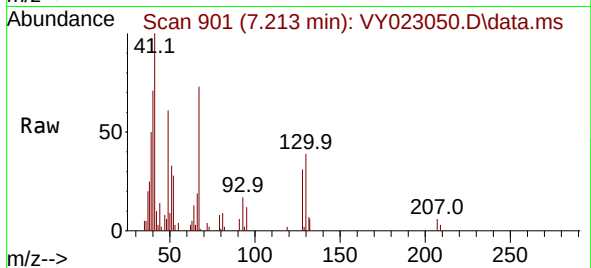




#41
Methacrylonitrile
Concen: 3.075 ug/l
RT: 7.213 min Scan# 901
Delta R.T. -0.006 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

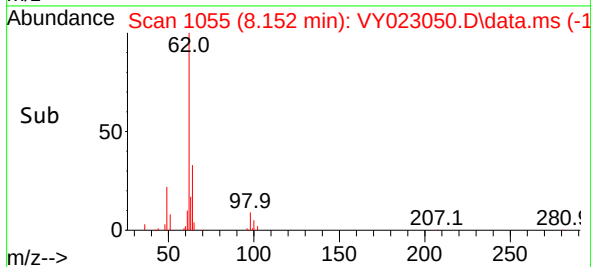
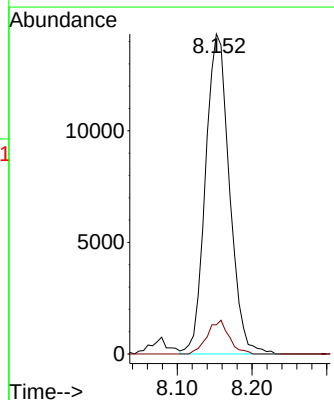
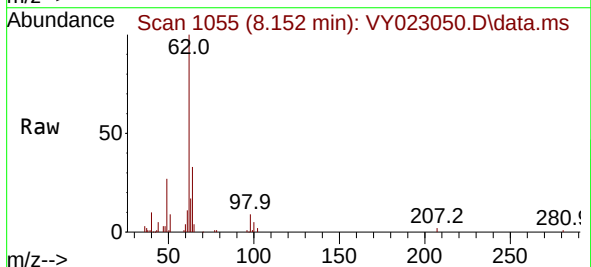
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

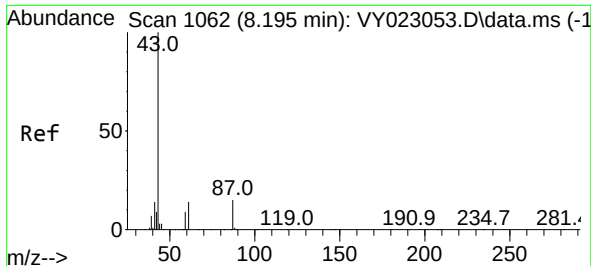
Tgt Ion:	41	Resp:	6006
Ion	Ratio	Lower	Upper
41	100		
39	80.4	43.4	65.2#
67	123.5	63.6	95.4#
52	53.7	25.4	38.2#



#42
1,2-Dichloroethane
Concen: 4.946 ug/l
RT: 8.152 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion:	62	Resp:	31902
Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	20.6

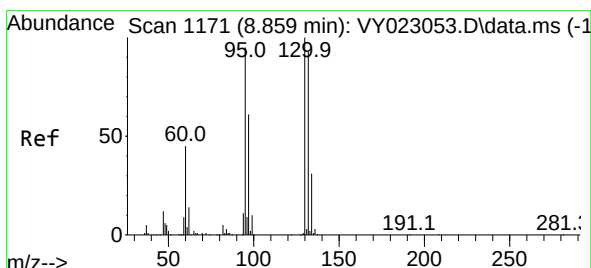
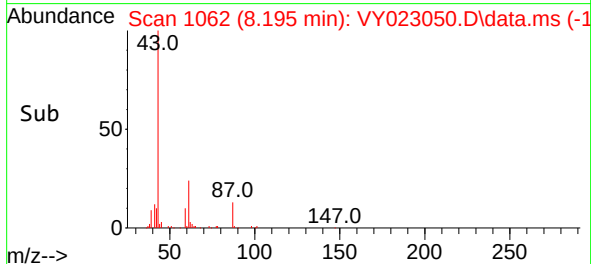
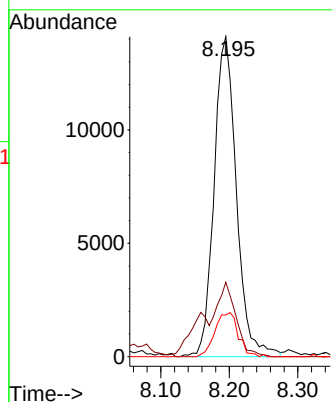
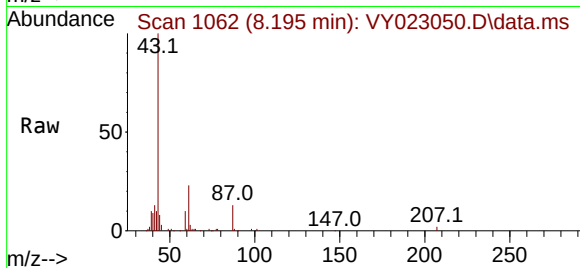




#43
Isopropyl Acetate
Concen: 4.668 ug/l
RT: 8.195 min Scan# 11062
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

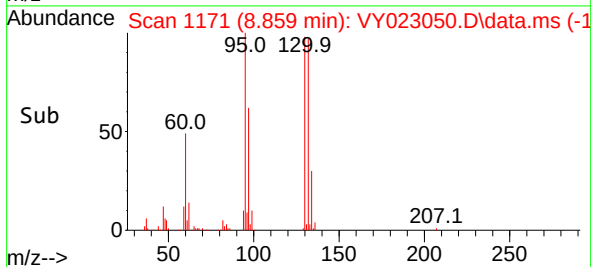
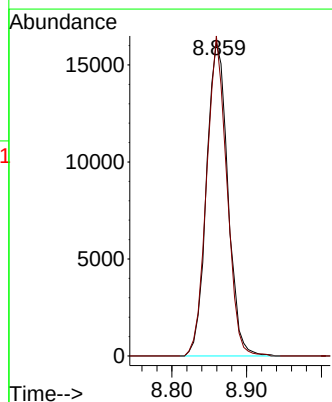
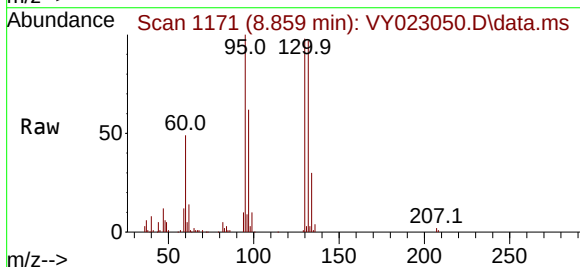
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

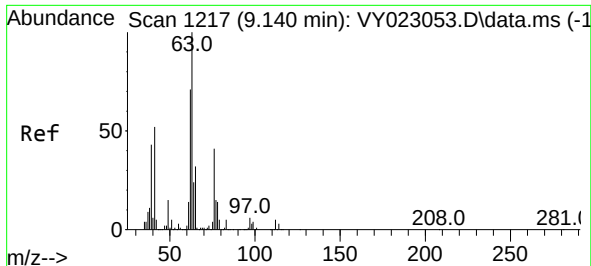
Tgt Ion: 43 Resp: 31890
Ion Ratio Lower Upper
43 100
61 20.6 16.4 24.6
87 14.4 11.8 17.6



#44
Trichloroethene
Concen: 5.001 ug/l
RT: 8.859 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion: 130 Resp: 32050
Ion Ratio Lower Upper
130 100
95 102.2 0.0 190.2





#45

1,2-Dichloropropane

Concen: 4.805 ug/l

RT: 9.134 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY023050.D

Acq: 12 Aug 2025 14:54

Instrument :

MSVOA_Y

ClientSampleId :

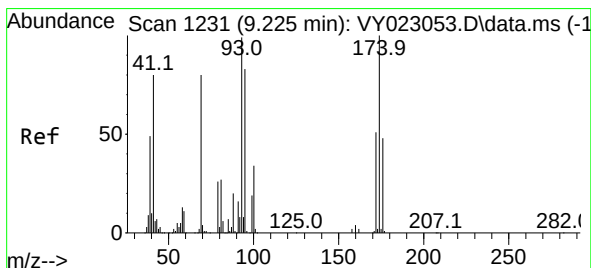
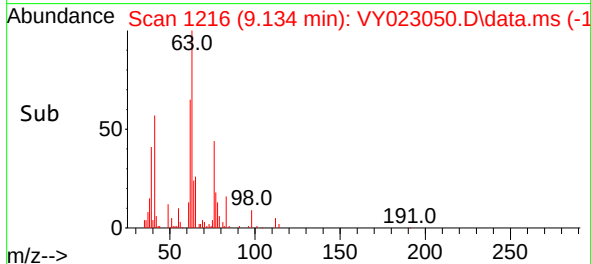
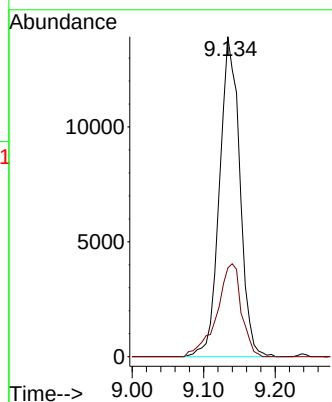
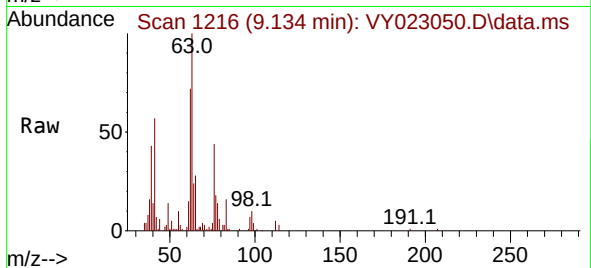
VSTDIC005

Tgt Ion: 63 Resp: 27418

Ion Ratio Lower Upper

63 100

65 27.7 25.3 37.9



#46

Dibromomethane

Concen: 4.590 ug/l

RT: 9.225 min Scan# 1231

Delta R.T. 0.000 min

Lab File: VY023050.D

Acq: 12 Aug 2025 14:54

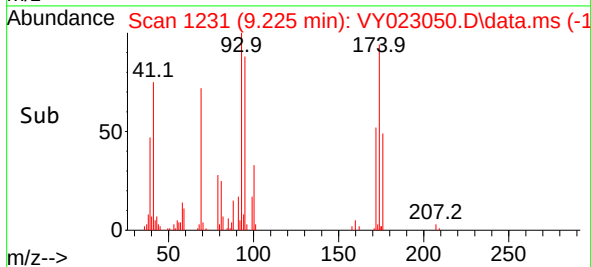
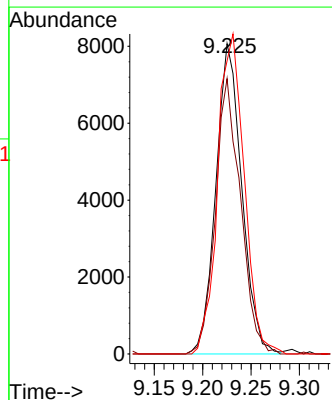
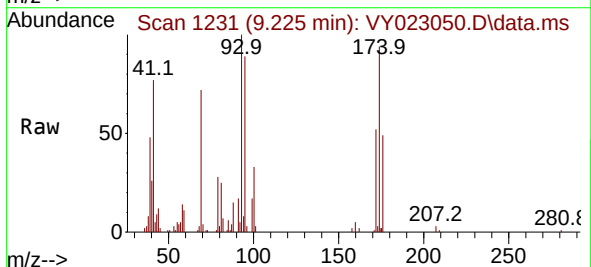
Tgt Ion: 93 Resp: 15033

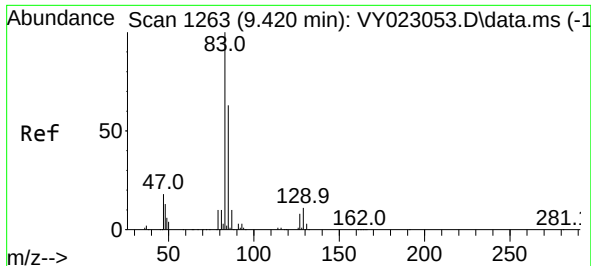
Ion Ratio Lower Upper

93 100

95 86.0 66.5 99.7

174 106.0 81.8 122.8

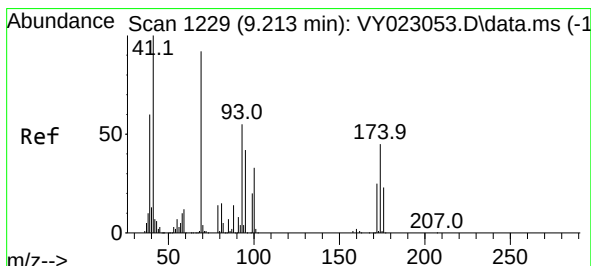
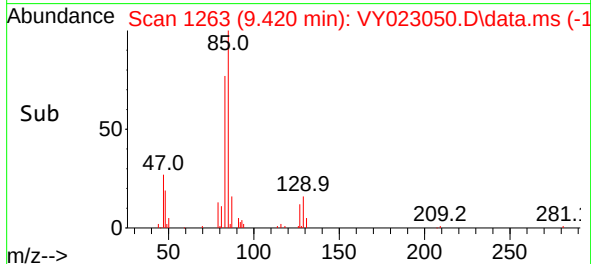
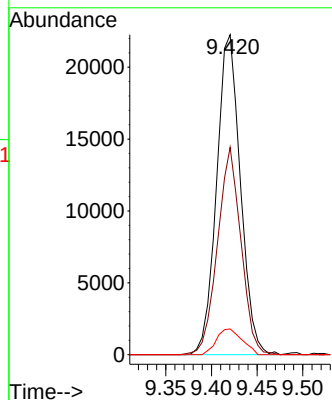
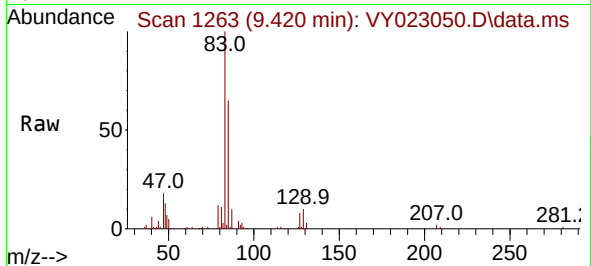




#47
Bromodichloromethane
Concen: 4.785 ug/l
RT: 9.420 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

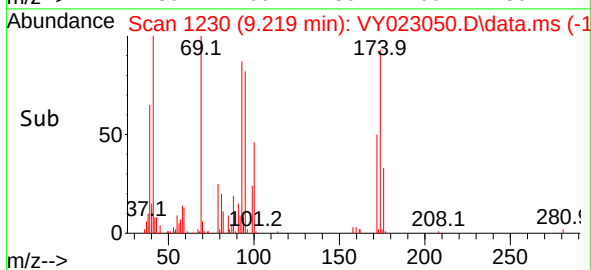
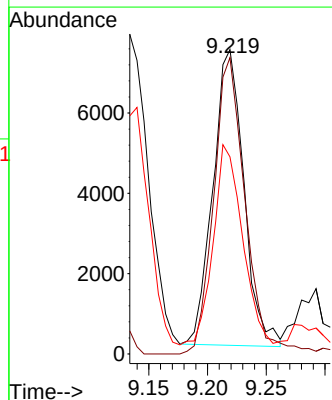
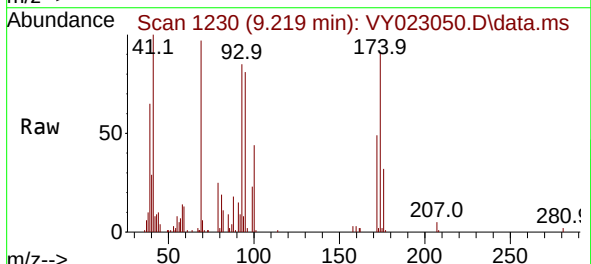
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

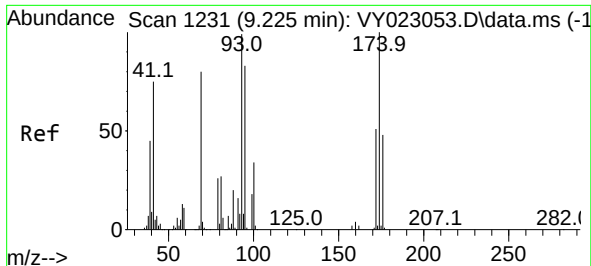
Tgt Ion: 83	Resp: 40327
Ion Ratio	Lower Upper
83	100
85	64.8 50.2 75.4
127	8.1 6.6 10.0



#48
Methyl methacrylate
Concen: 4.122 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.006 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion: 41	Resp: 13477
Ion Ratio	Lower Upper
41	100
69	102.1 73.2 109.8
39	65.2 47.0 70.4





#49

1,4-Dioxane

Concen: 89.939 ug/l

RT: 9.231 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY023050.D

Acq: 12 Aug 2025 14:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

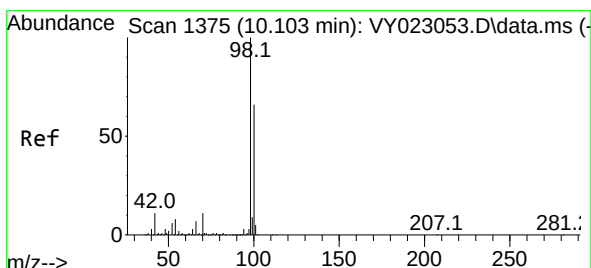
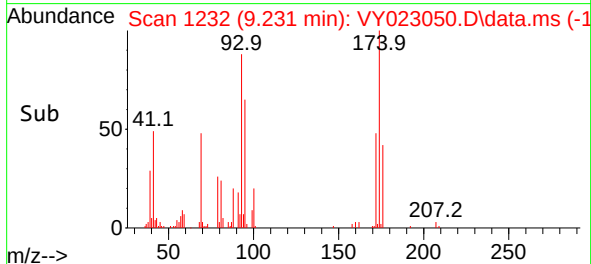
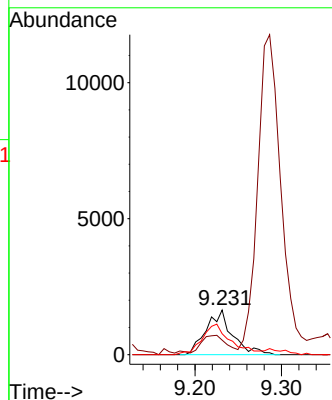
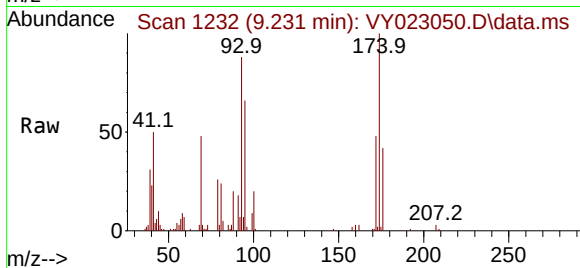
Tgt Ion: 88 Resp: 3454

Ion Ratio Lower Upper

88 100

43 38.3 24.3 36.5#

58 74.4 55.4 83.0



#50

Toluene-d8

Concen: 4.924 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. 0.000 min

Lab File: VY023050.D

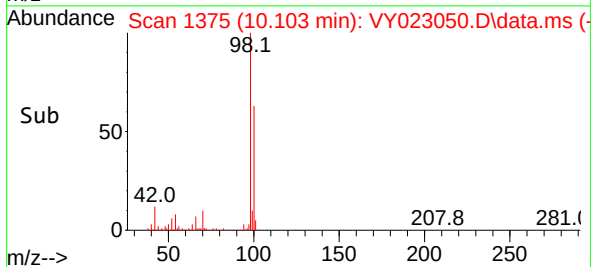
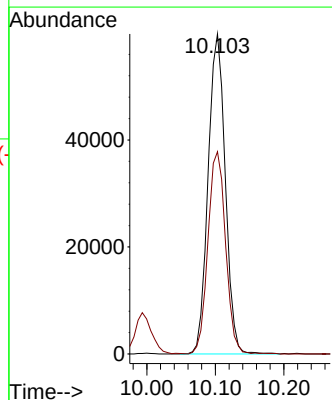
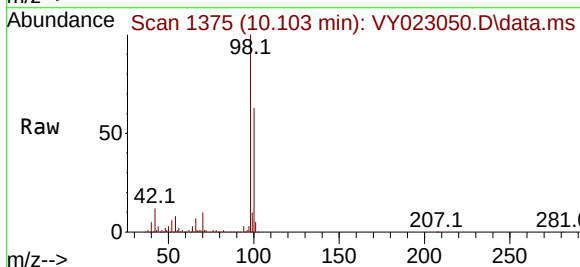
Acq: 12 Aug 2025 14:54

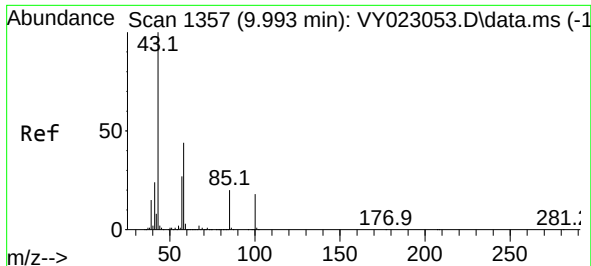
Tgt Ion: 98 Resp: 104144

Ion Ratio Lower Upper

98 100

100 65.1 52.3 78.5

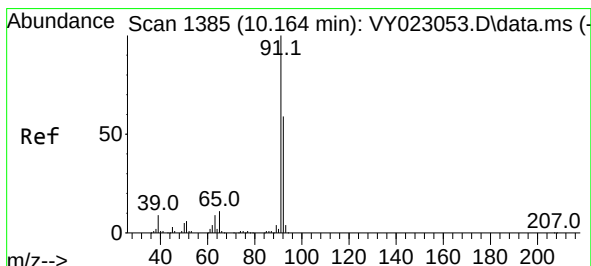
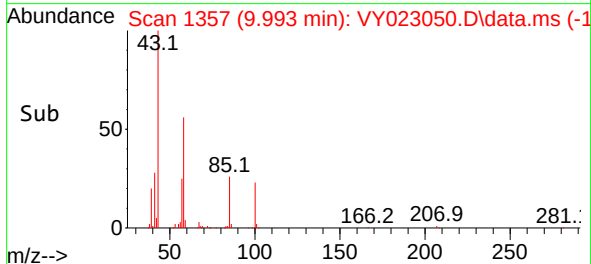
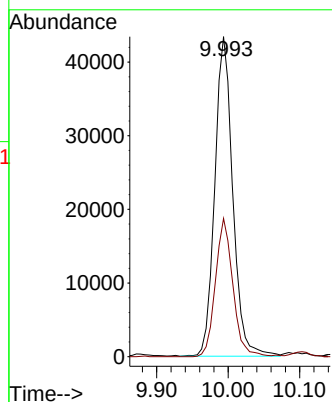
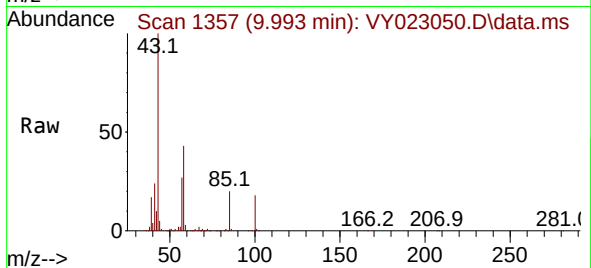




#51
4-Methyl-2-Pentanone
Concen: 21.535 ug/l
RT: 9.993 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

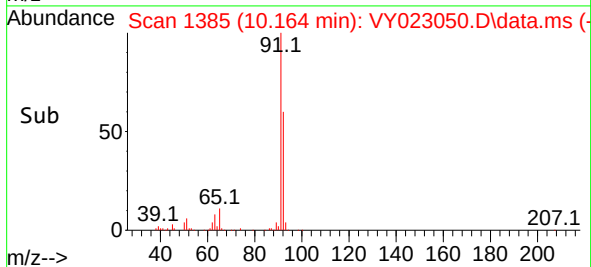
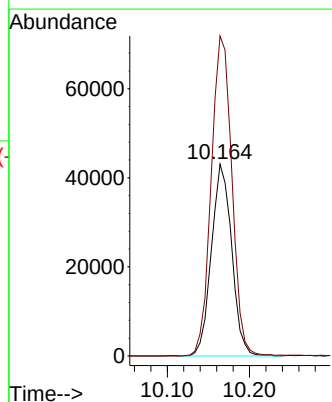
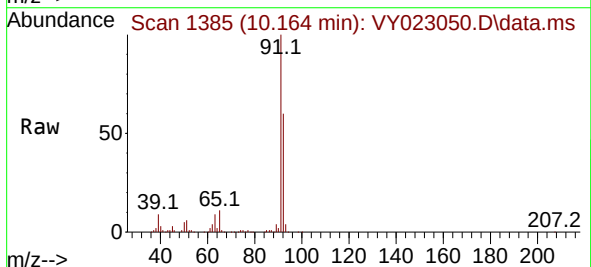
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

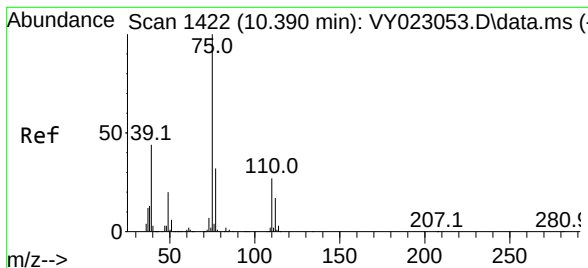
Tgt Ion: 43 Resp: 75891
Ion Ratio Lower Upper
43 100
58 41.9 33.5 50.3



#52
Toluene
Concen: 4.692 ug/l
RT: 10.164 min Scan# 1385
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion: 92 Resp: 73910
Ion Ratio Lower Upper
92 100
91 170.1 136.4 204.6

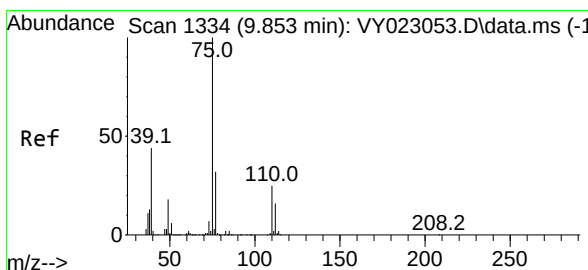
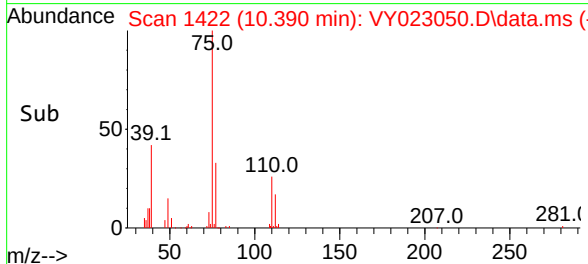
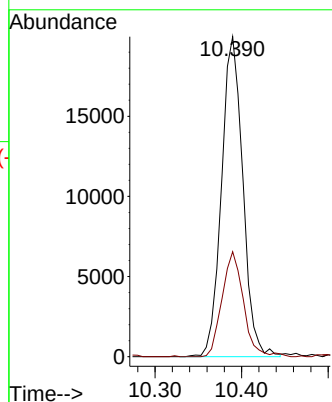
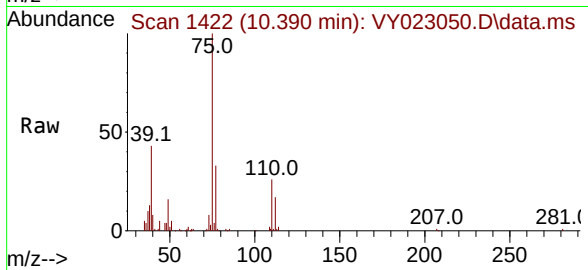




#53
t-1,3-Dichloropropene
Concen: 4.475 ug/l
RT: 10.390 min Scan# 1422
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

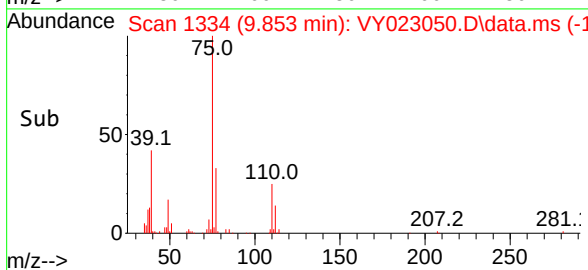
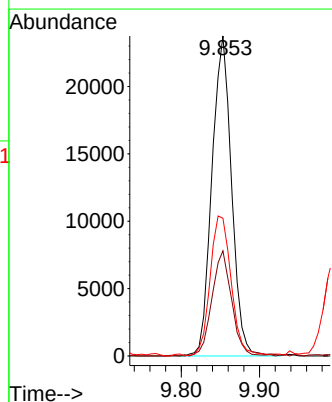
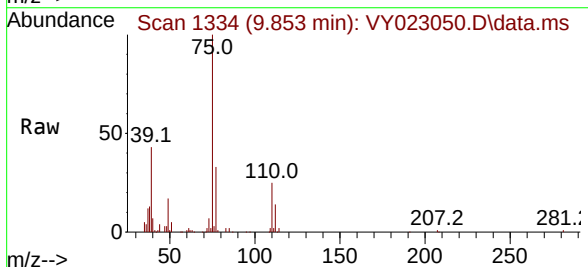
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

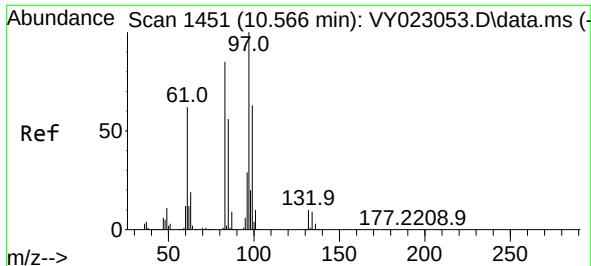
Tgt Ion: 75 Resp: 34154
Ion Ratio Lower Upper
75 100
77 32.8 25.7 38.5



#54
cis-1,3-Dichloropropene
Concen: 4.579 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion: 75 Resp: 41326
Ion Ratio Lower Upper
75 100
77 32.9 25.4 38.0
39 42.5 35.6 53.4

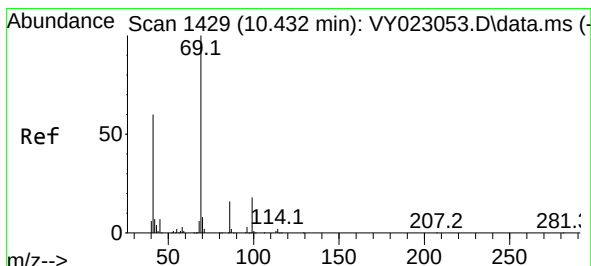
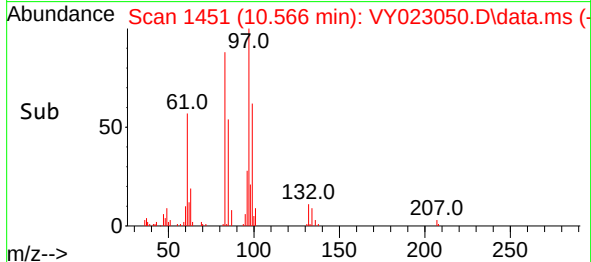
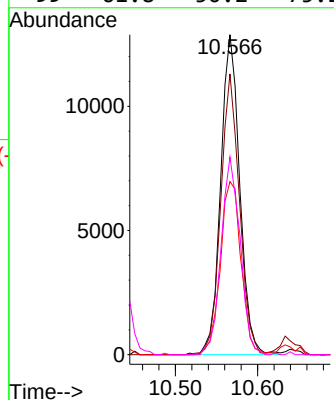
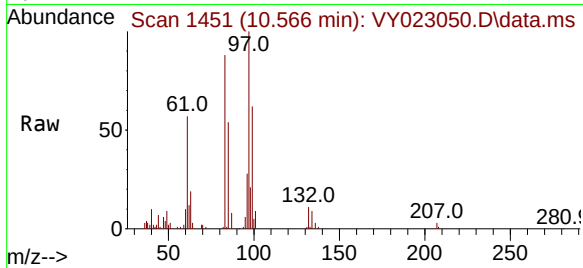




#55
1,1,2-Trichloroethane
Concen: 4.745 ug/l
RT: 10.566 min Scan# 1451
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

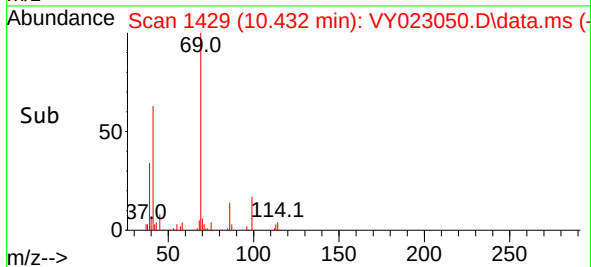
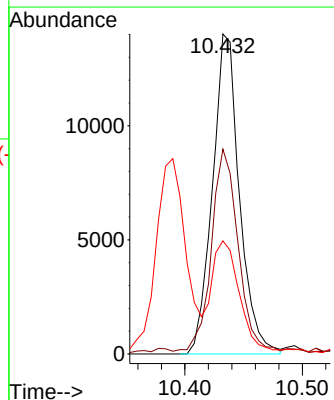
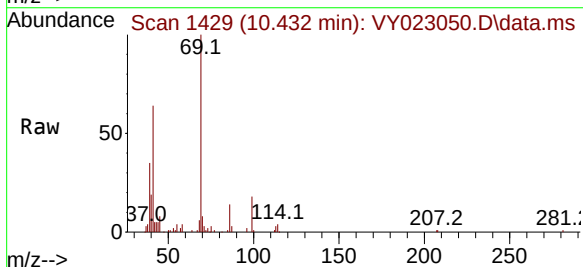
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

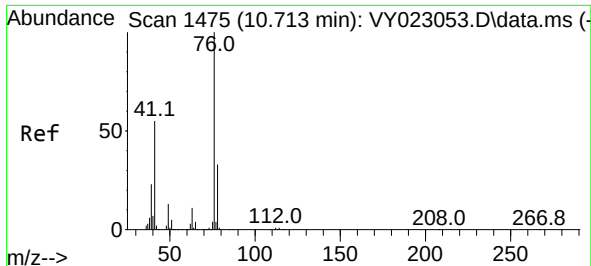
Tgt Ion:	97	Resp:	20795
Ion	Ratio	Lower	Upper
97	100		
83	87.8	67.7	101.5
85	54.1	44.5	66.7
99	61.8	50.2	75.2



#56
Ethyl methacrylate
Concen: 3.990 ug/l
RT: 10.432 min Scan# 1429
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion:	69	Resp:	22376
Ion	Ratio	Lower	Upper
69	100		
41	61.6	48.6	72.8
39	34.3	27.0	40.4





#57

1,3-Dichloropropane

Concen: 4.687 ug/l

RT: 10.713 min Scan# 1475

Delta R.T. 0.000 min

Lab File: VY023050.D

Acq: 12 Aug 2025 14:54

Instrument :

MSVOA_Y

ClientSampleId :

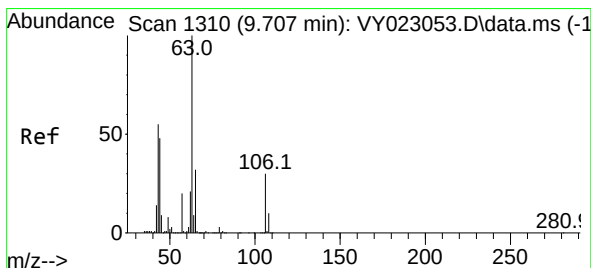
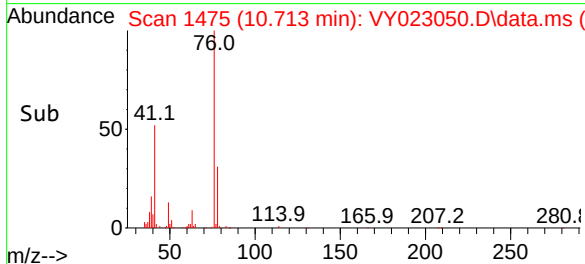
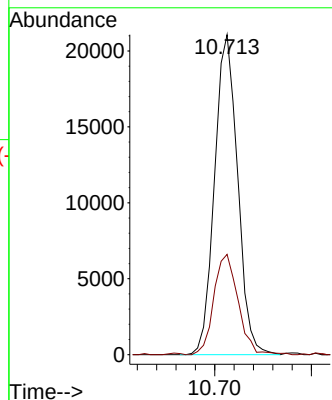
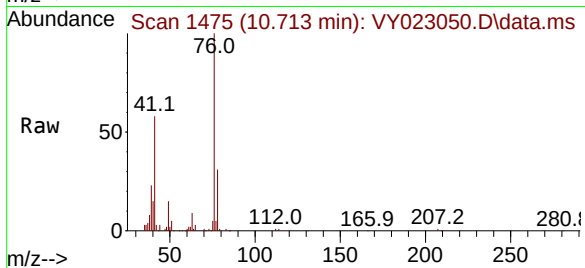
VSTDICC005

Tgt Ion: 76 Resp: 34835

Ion Ratio Lower Upper

76 100

78 33.1 26.0 39.0



#58

2-Chloroethyl Vinyl ether

Concen: 19.500 ug/l

RT: 9.707 min Scan# 1310

Delta R.T. 0.000 min

Lab File: VY023050.D

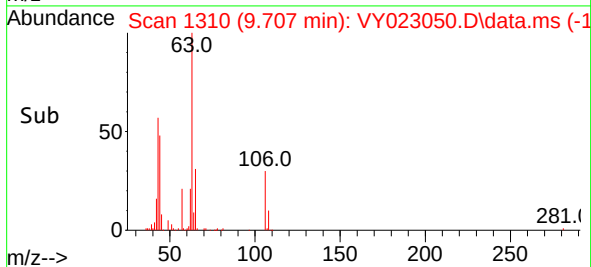
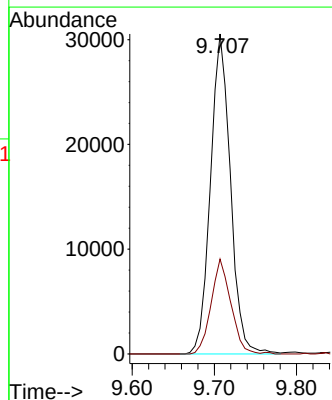
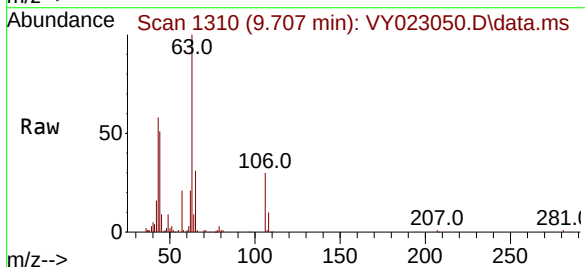
Acq: 12 Aug 2025 14:54

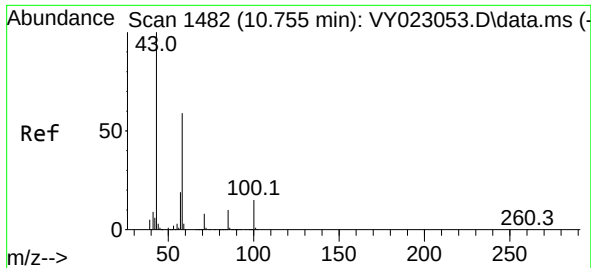
Tgt Ion: 63 Resp: 51585

Ion Ratio Lower Upper

63 100

106 29.2 23.2 34.8

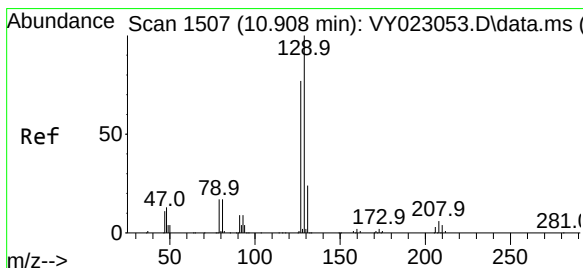
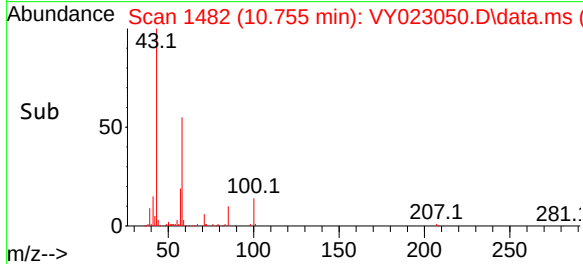
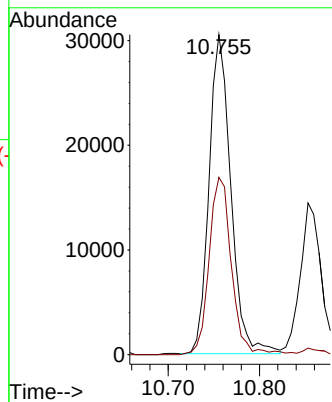
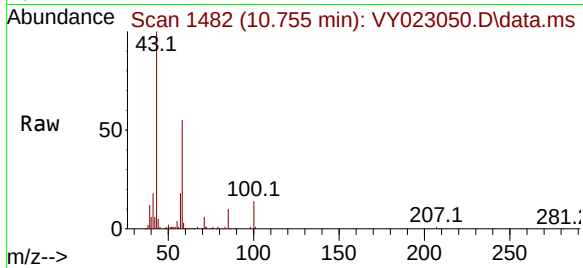




#59
2-Hexanone
Concen: 21.088 ug/l
RT: 10.755 min Scan# 1482
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

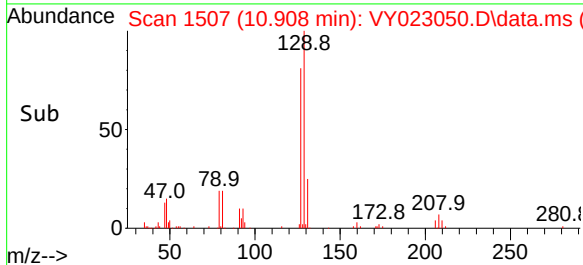
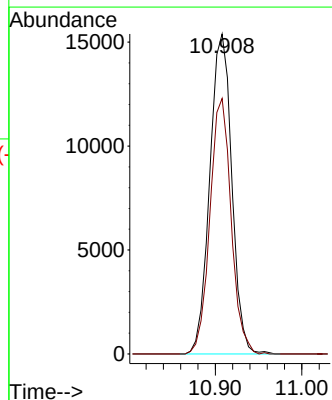
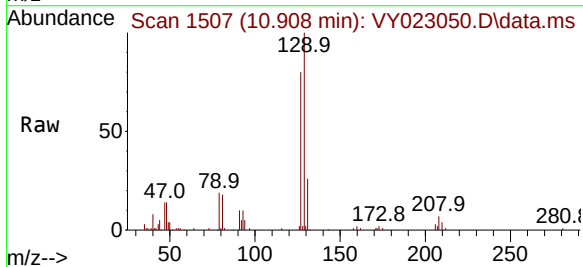
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

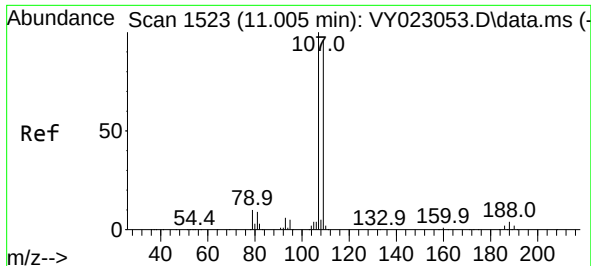
Tgt Ion: 43 Resp: 50604
Ion Ratio Lower Upper
43 100
58 56.9 29.5 88.5



#60
Dibromochloromethane
Concen: 4.693 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion: 129 Resp: 27141
Ion Ratio Lower Upper
129 100
127 77.0 38.5 115.5

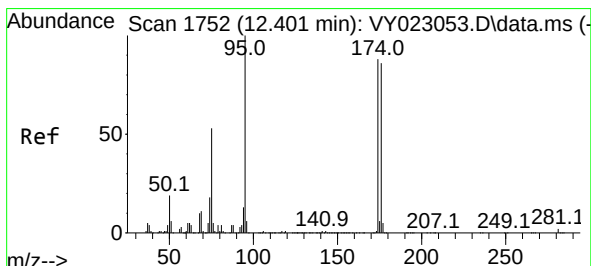
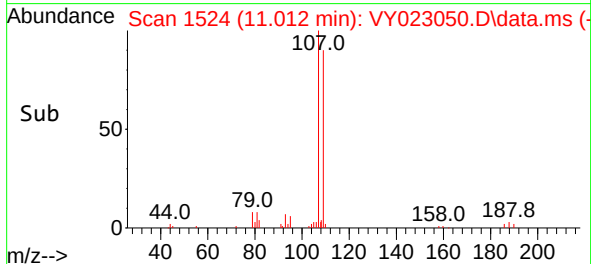
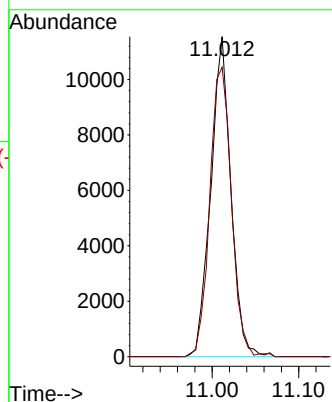
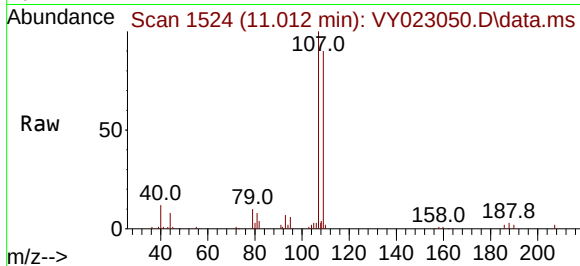




#61
1,2-Dibromoethane
Concen: 4.528 ug/l
RT: 11.012 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

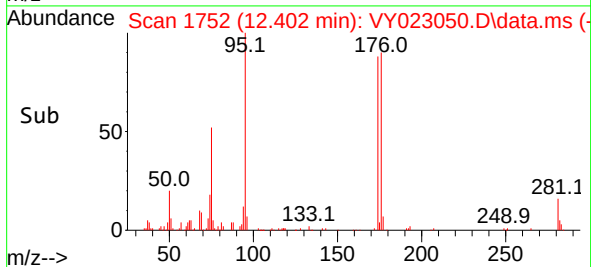
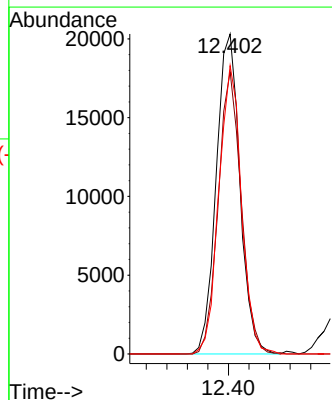
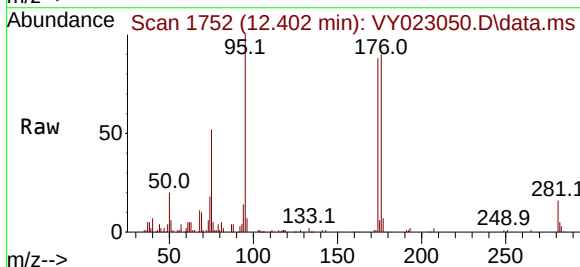
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

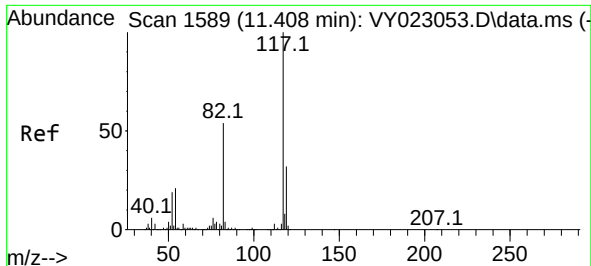
Tgt Ion:107 Resp: 18652
Ion Ratio Lower Upper
107 100
109 97.4 75.6 113.4



#62
4-Bromofluorobenzene
Concen: 4.766 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion: 95 Resp: 32420
Ion Ratio Lower Upper
95 100
174 85.5 0.0 171.6
176 86.1 0.0 167.6

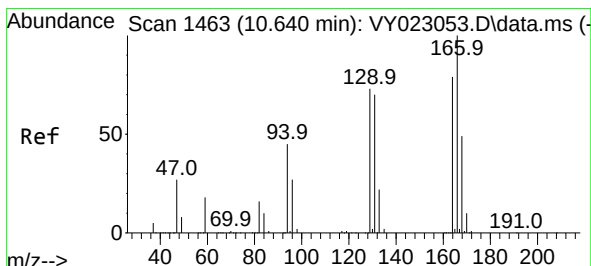
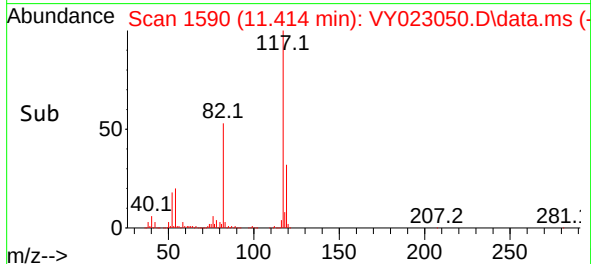
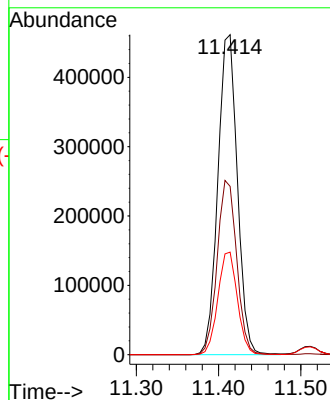
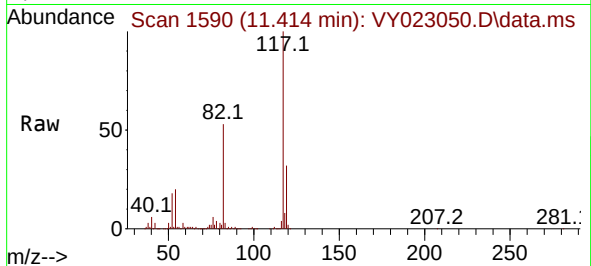




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

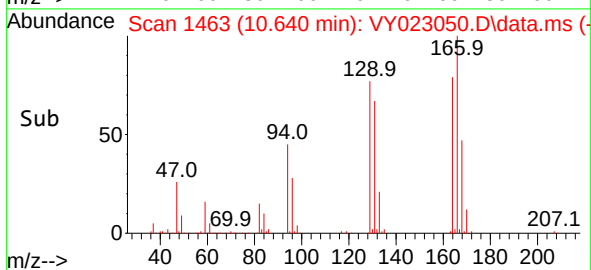
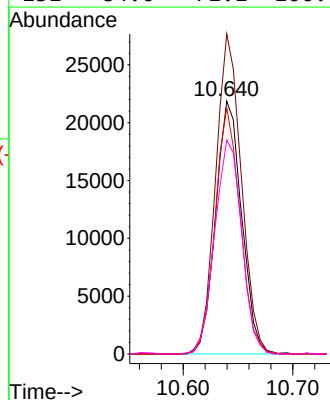
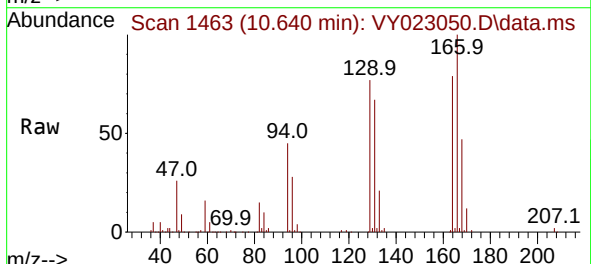
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

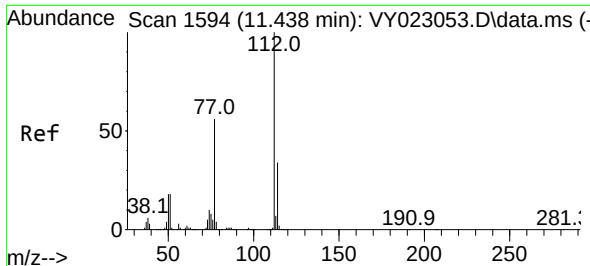
Tgt Ion:117 Resp: 759914
Ion Ratio Lower Upper
117 100
82 52.6 43.4 65.0
119 32.1 25.6 38.4



#64
Tetrachloroethene
Concen: 5.336 ug/l
RT: 10.640 min Scan# 1463
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion:164 Resp: 36210
Ion Ratio Lower Upper
164 100
166 126.6 101.1 151.7
129 97.4 74.0 111.0
131 84.6 71.1 106.7

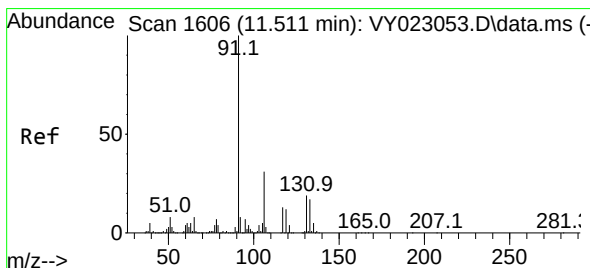
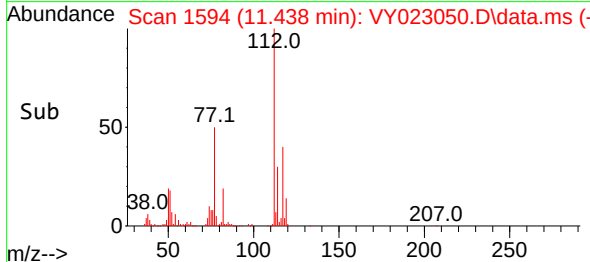
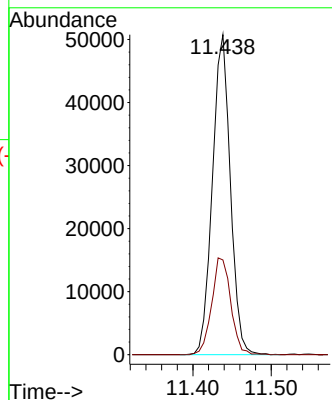
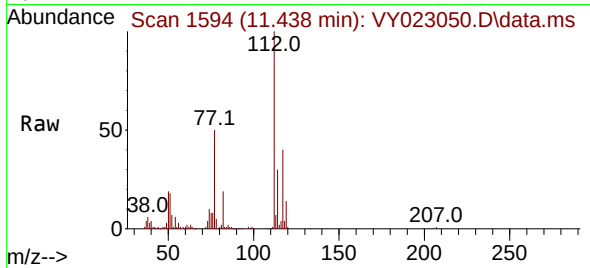




#65
Chlorobenzene
Concen: 4.922 ug/l
RT: 11.438 min Scan# 1594
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

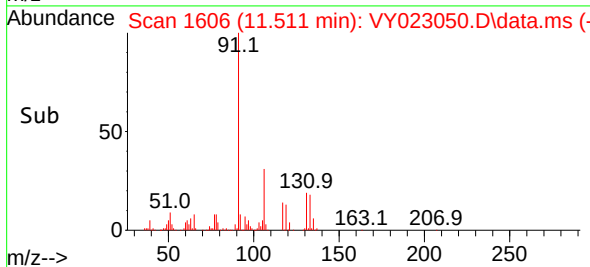
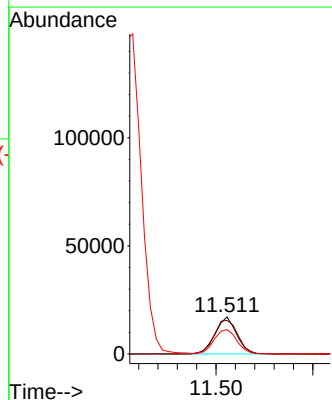
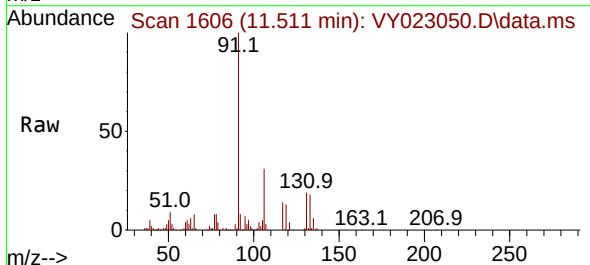
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

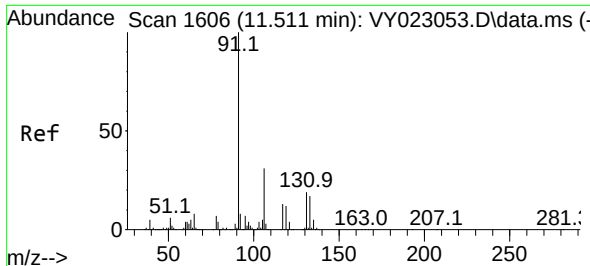
Tgt Ion:112 Resp: 80684
Ion Ratio Lower Upper
112 100
114 29.6 27.0 40.4



#66
1,1,1,2-Tetrachloroethane
Concen: 4.745 ug/l
RT: 11.511 min Scan# 1606
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion:131 Resp: 26397
Ion Ratio Lower Upper
131 100
133 100.6 46.9 140.6
119 70.6 33.2 99.6





#67

Ethyl Benzene

Concen: 4.781 ug/l

RT: 11.511 min Scan# 1606

Delta R.T. 0.000 min

Lab File: VY023050.D

Acq: 12 Aug 2025 14:54

Instrument :

MSVOA_Y

ClientSampleId :

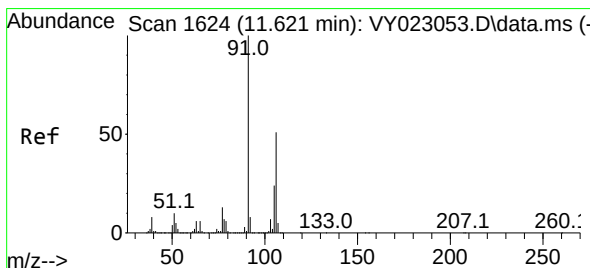
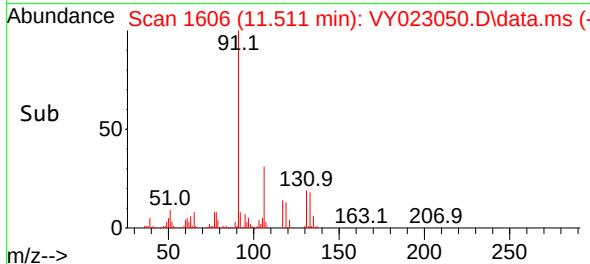
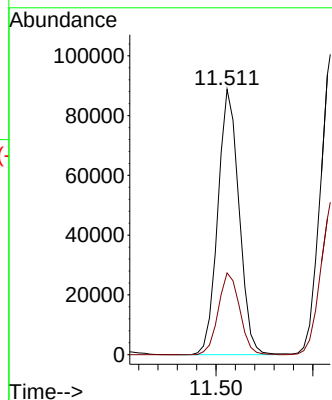
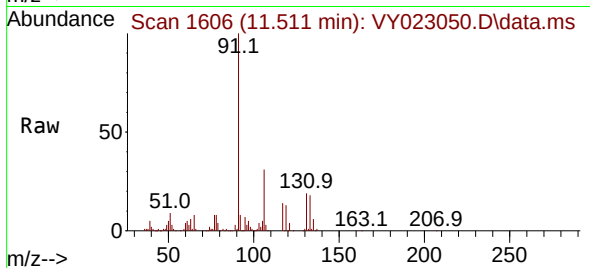
VSTDICC005

Tgt Ion: 91 Resp: 134854

Ion Ratio Lower Upper

91 100

106 30.8 25.0 37.4



#68

m/p-Xylenes

Concen: 9.329 ug/l

RT: 11.621 min Scan# 1624

Delta R.T. 0.000 min

Lab File: VY023050.D

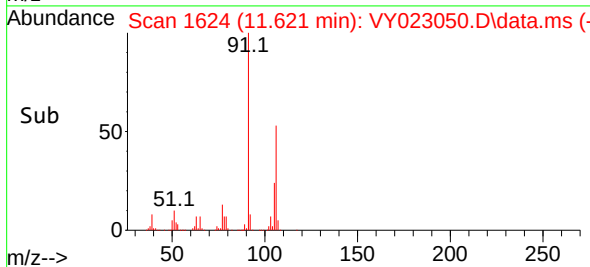
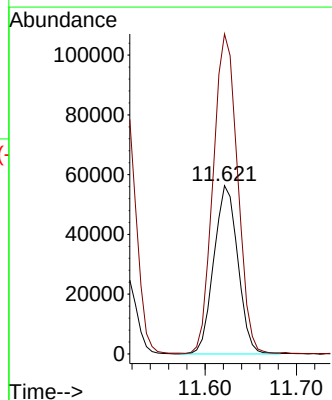
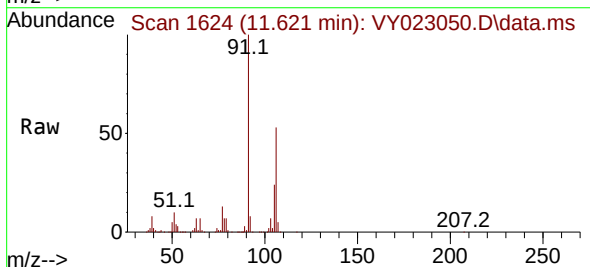
Acq: 12 Aug 2025 14:54

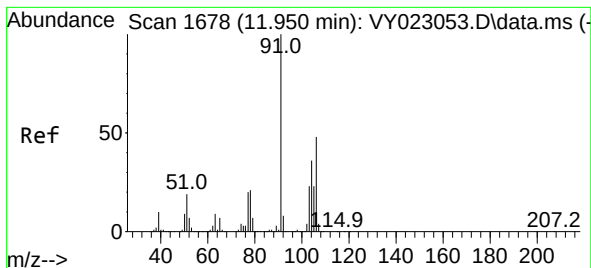
Tgt Ion: 106 Resp: 102783

Ion Ratio Lower Upper

106 100

91 194.0 158.6 238.0

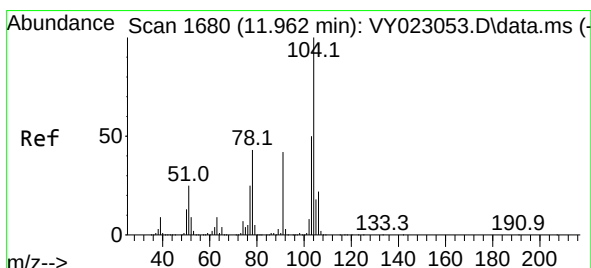
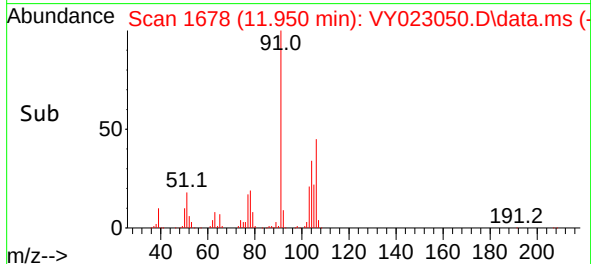
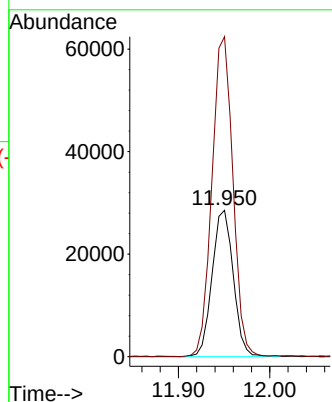
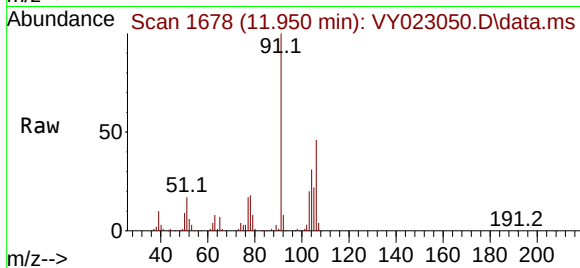




#69
o-Xylene
Concen: 4.453 ug/l
RT: 11.950 min Scan# 1678
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

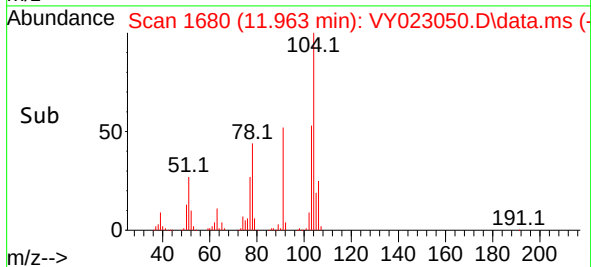
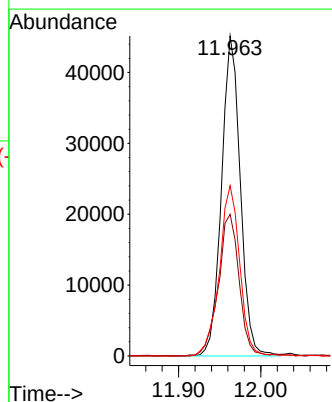
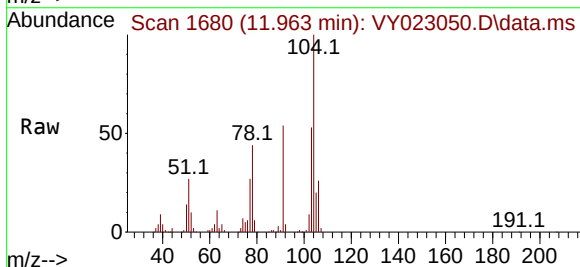
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

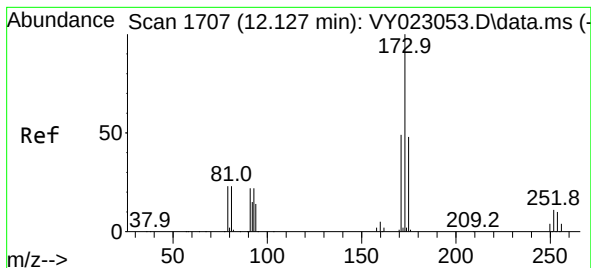
Tgt Ion:106 Resp: 45944
Ion Ratio Lower Upper
106 100
91 216.3 103.2 309.4



#70
Styrene
Concen: 4.255 ug/l
RT: 11.963 min Scan# 1680
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion:104 Resp: 71801
Ion Ratio Lower Upper
104 100
78 48.8 38.5 57.7
103 57.6 43.7 65.5





#71

Bromoform

Concen: 4.599 ug/l

RT: 12.127 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY023050.D

Acq: 12 Aug 2025 14:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

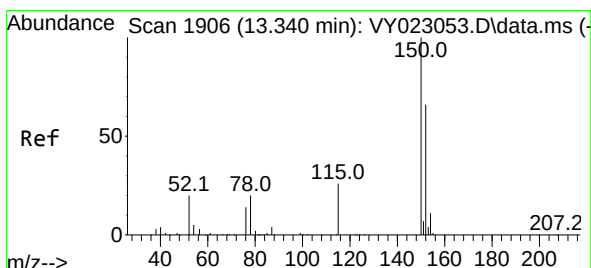
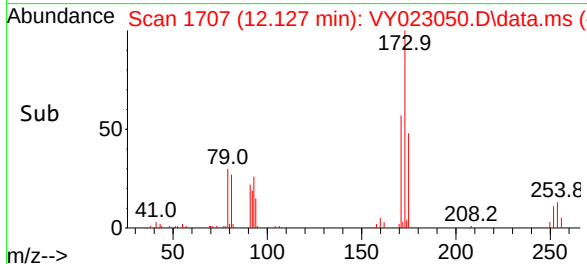
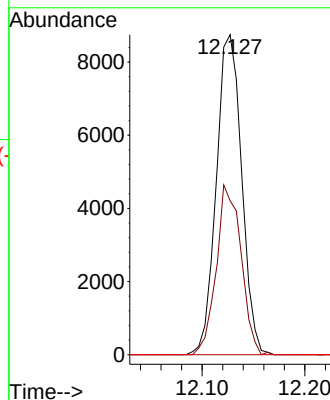
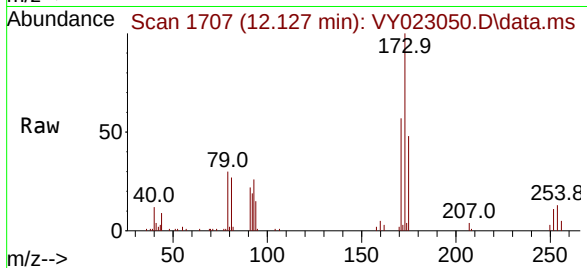
Tgt Ion:173 Resp: 14954

Ion Ratio Lower Upper

173 100

175 51.7 23.9 71.7

254 0.0 0.1 0.1#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.340 min Scan# 1906

Delta R.T. 0.000 min

Lab File: VY023050.D

Acq: 12 Aug 2025 14:54

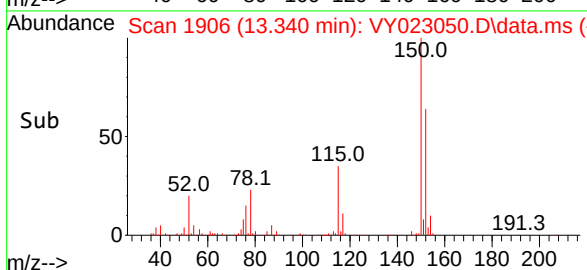
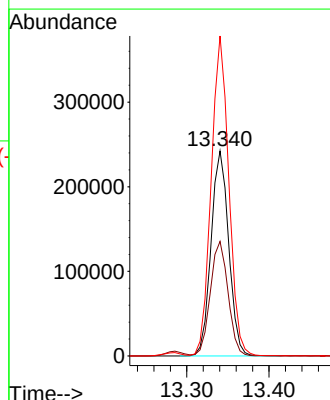
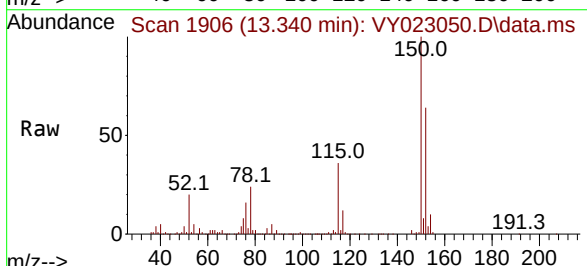
Tgt Ion:152 Resp: 360397

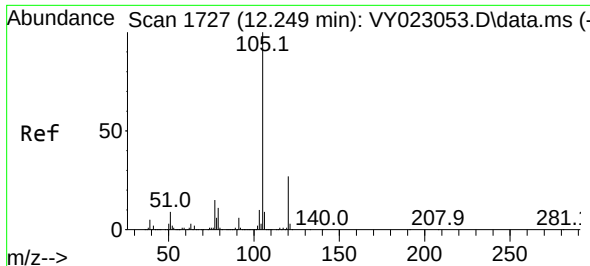
Ion Ratio Lower Upper

152 100

115 56.4 28.2 84.6

150 155.7 0.0 348.0

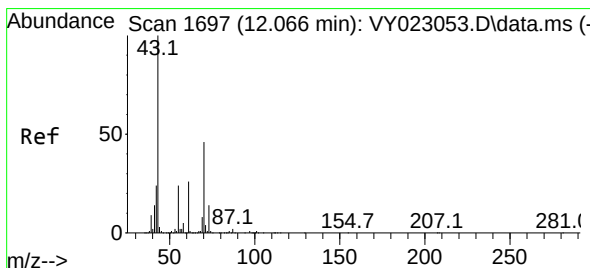
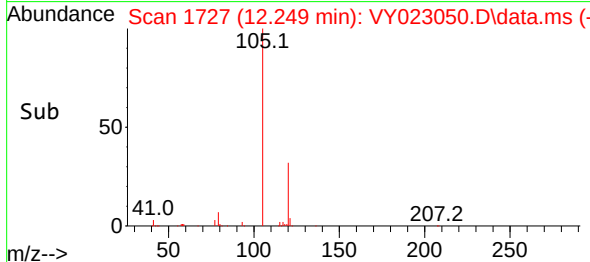
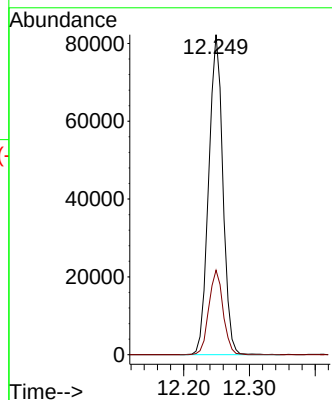
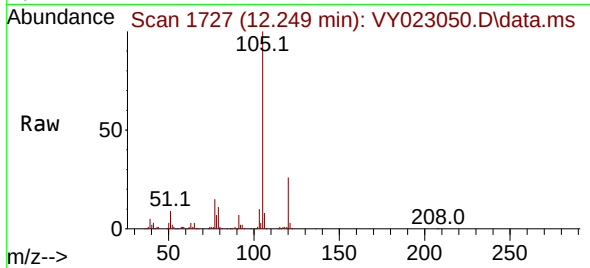




#73
Isopropylbenzene
Concen: 4.845 ug/l
RT: 12.249 min Scan# 1727
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

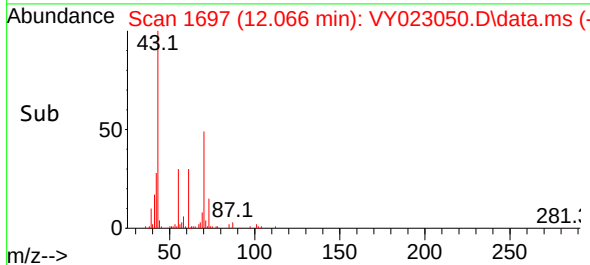
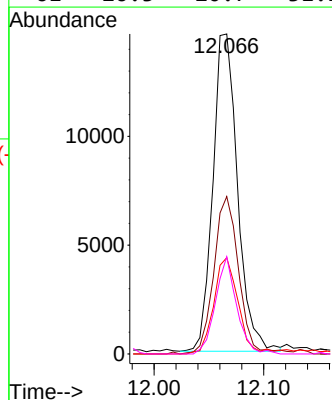
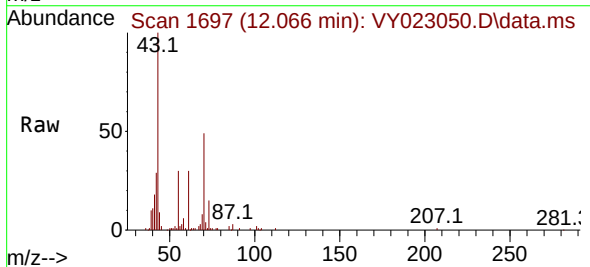
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

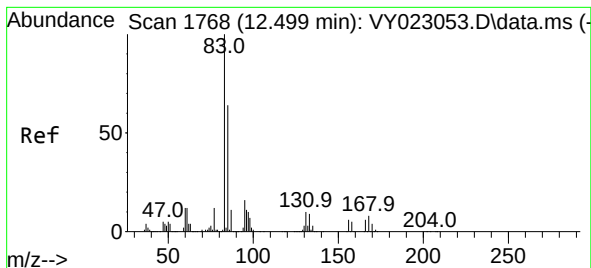
Tgt Ion:105 Resp: 123246
Ion Ratio Lower Upper
105 100
120 26.5 13.4 40.2



#74
N-ethyl acetate
Concen: 4.232 ug/l
RT: 12.066 min Scan# 1697
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion: 43 Resp: 22829
Ion Ratio Lower Upper
43 100
70 50.0 37.5 56.3
55 29.9 20.7 31.1
61 26.3 20.7 31.1

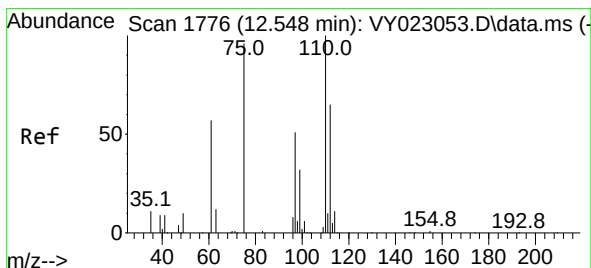
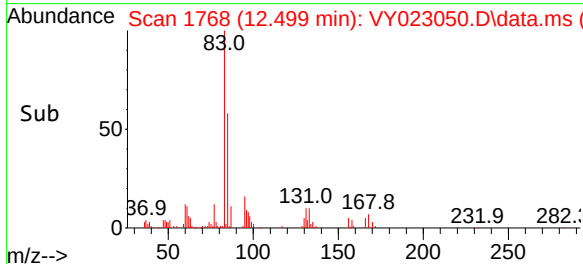
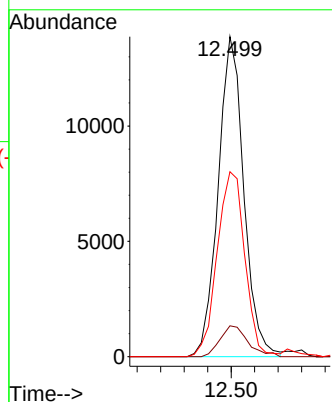
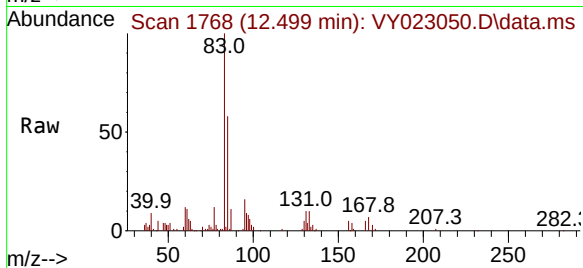




#75
1,1,2,2-Tetrachloroethane
Concen: 4.848 ug/l
RT: 12.499 min Scan# 1768
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

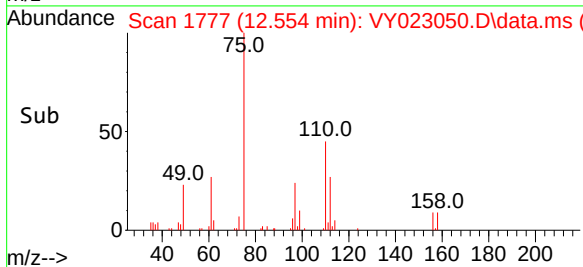
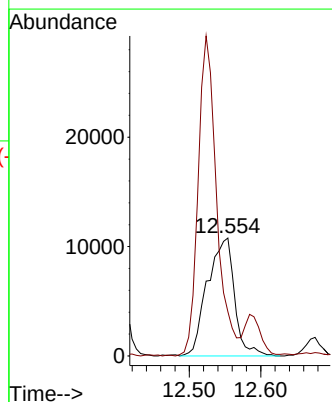
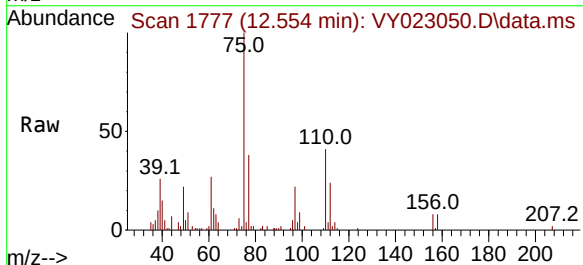
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

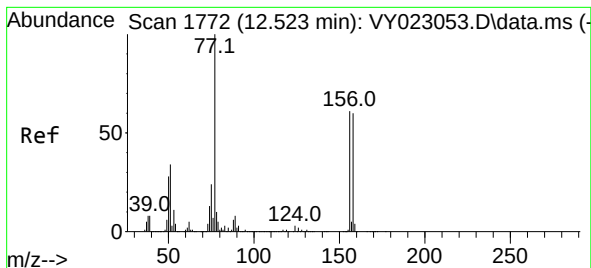
Tgt Ion: 83 Resp: 21057
Ion Ratio Lower Upper
83 100
131 10.5 5.1 15.3
85 62.2 31.8 95.3



#76
1,2,3-Trichloropropane
Concen: 8.152 ug/l
RT: 12.554 min Scan# 1777
Delta R.T. 0.006 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion: 75 Resp: 28374
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 4.891 ug/l

RT: 12.530 min Scan# 1773

Delta R.T. 0.006 min

Lab File: VY023050.D

Acq: 12 Aug 2025 14:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

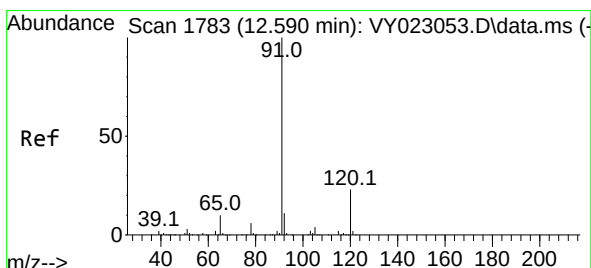
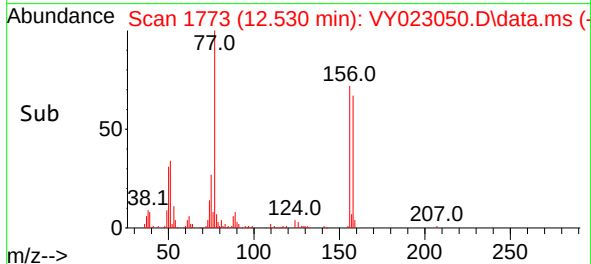
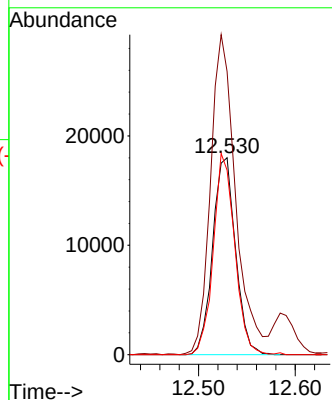
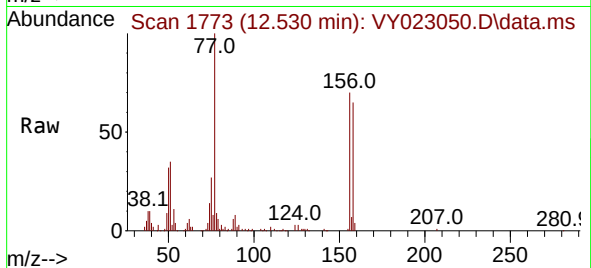
Tgt Ion:156 Resp: 29681

Ion Ratio Lower Upper

156 100

77 176.7 88.1 264.4

158 95.4 48.0 144.0



#78

n-propylbenzene

Concen: 4.822 ug/l

RT: 12.590 min Scan# 1783

Delta R.T. 0.000 min

Lab File: VY023050.D

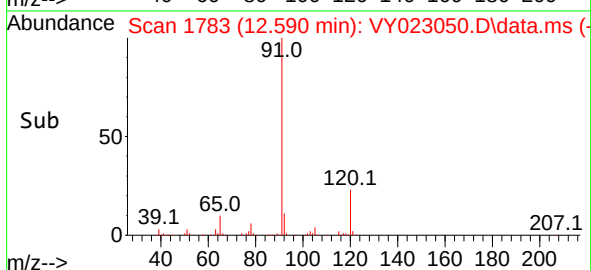
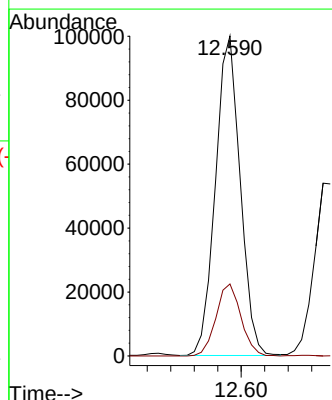
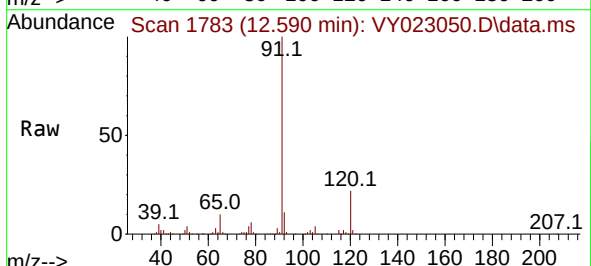
Acq: 12 Aug 2025 14:54

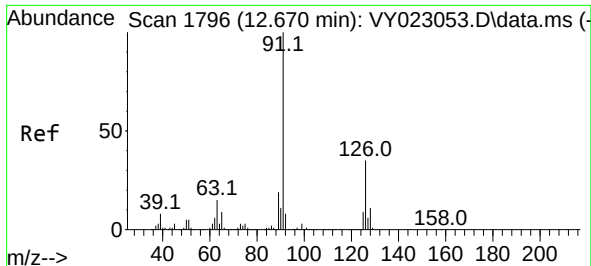
Tgt Ion: 91 Resp: 146043

Ion Ratio Lower Upper

91 100

120 22.7 11.5 34.5

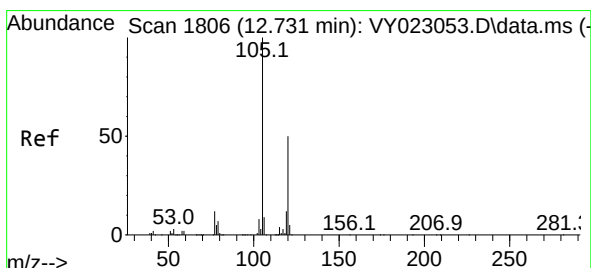
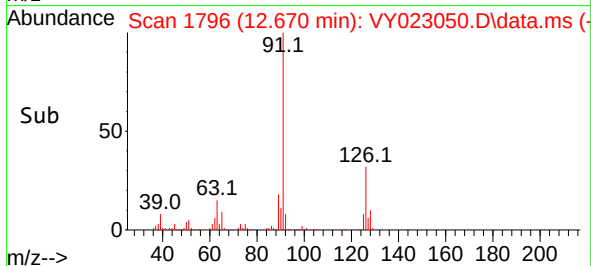
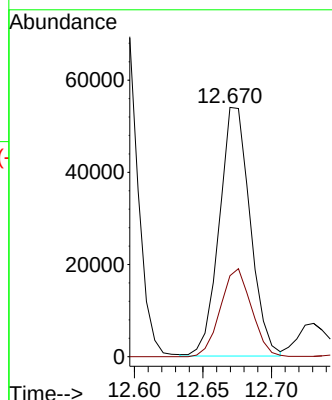
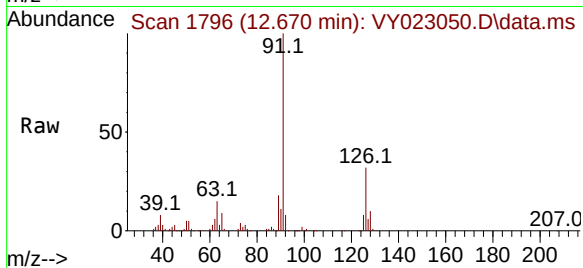




#79
2-Chlorotoluene
Concen: 4.880 ug/l
RT: 12.670 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

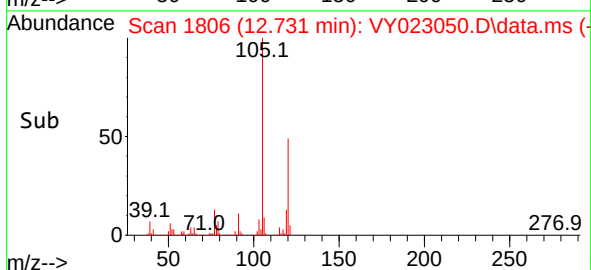
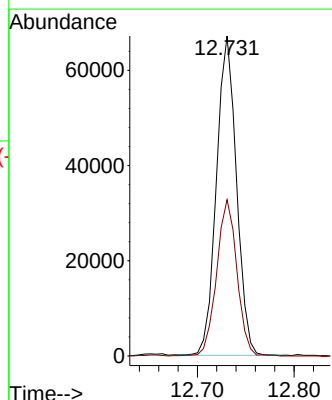
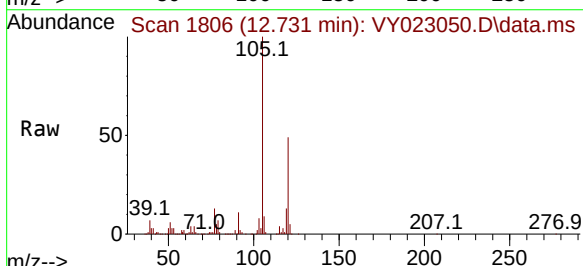
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

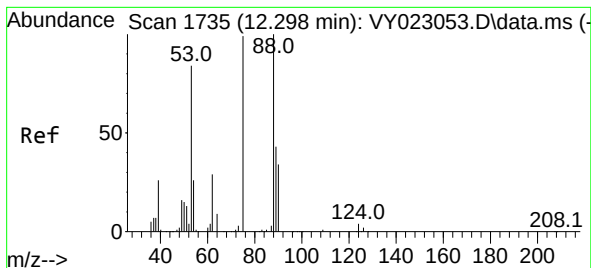
Tgt Ion: 91 Resp: 84671
Ion Ratio Lower Upper
91 100
126 35.5 17.4 52.3



#80
1,3,5-Trimethylbenzene
Concen: 4.685 ug/l
RT: 12.731 min Scan# 1806
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion: 105 Resp: 96308
Ion Ratio Lower Upper
105 100
120 49.6 24.8 74.4

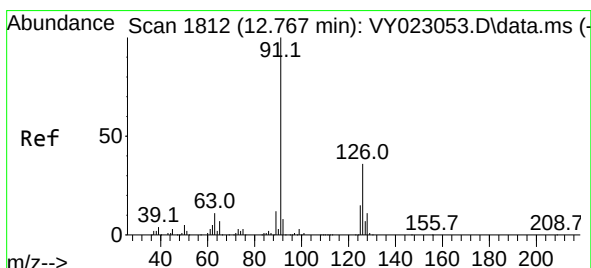
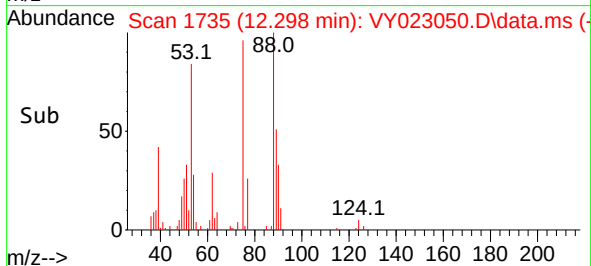
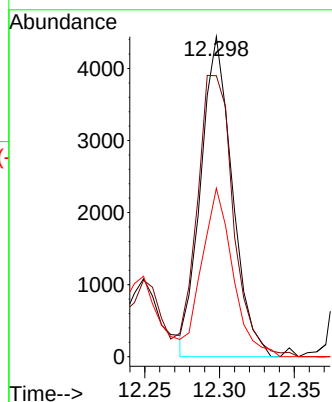
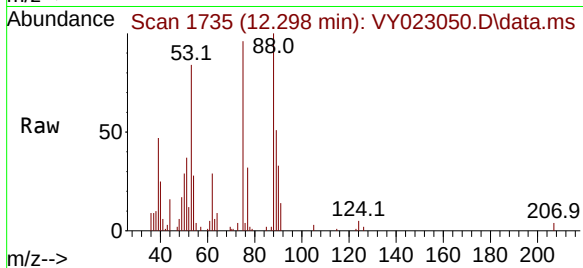




#81
trans-1,4-Dichloro-2-butene
Concen: 4.533 ug/l
RT: 12.298 min Scan# 1735
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

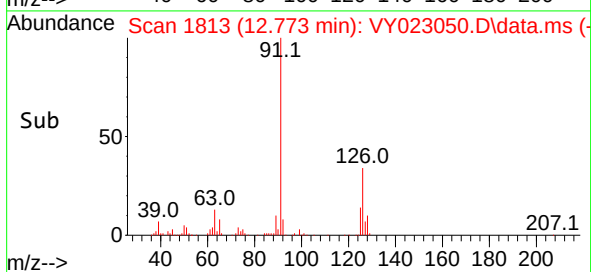
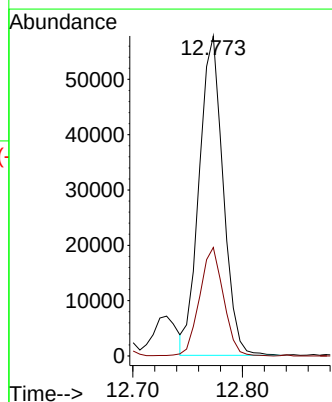
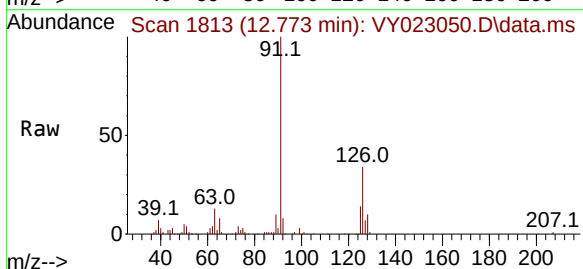
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

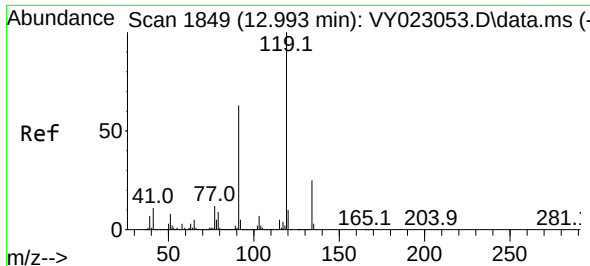
Tgt Ion: 75 Resp: 6514
Ion Ratio Lower Upper
75 100
53 101.3 70.8 106.2
89 51.7 38.1 57.1



#82
4-Chlorotoluene
Concen: 4.859 ug/l
RT: 12.773 min Scan# 1813
Delta R.T. 0.006 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion: 91 Resp: 87454
Ion Ratio Lower Upper
91 100
126 34.0 17.3 52.0

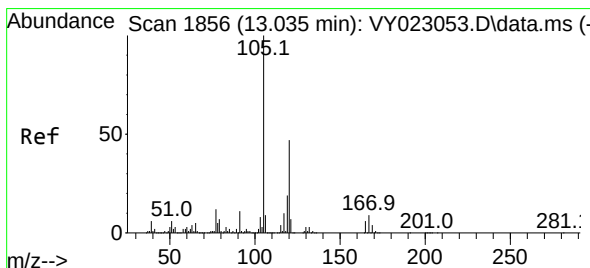
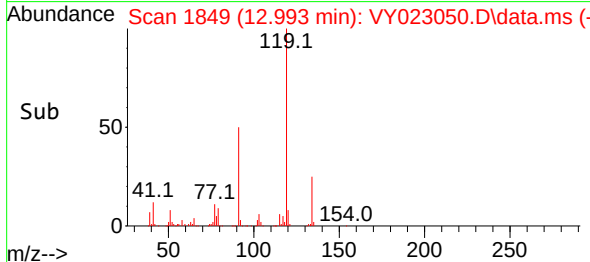
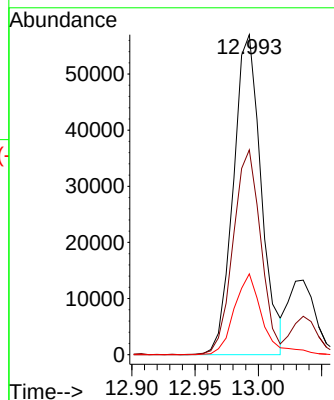
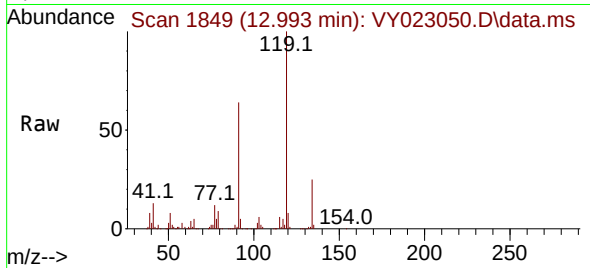




#83
tert-Butylbenzene
Concen: 4.712 ug/l
RT: 12.993 min Scan# 119
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

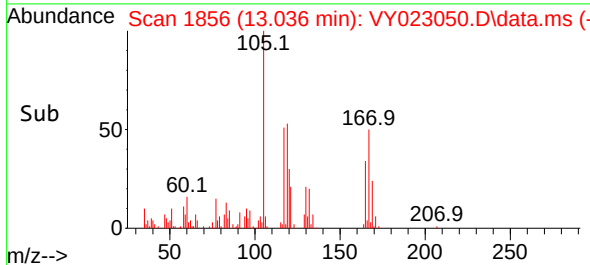
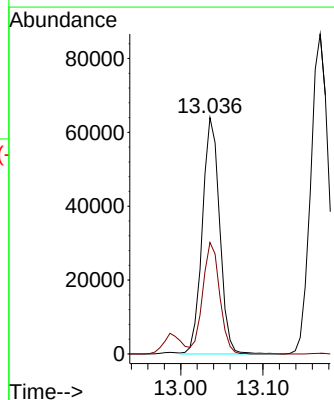
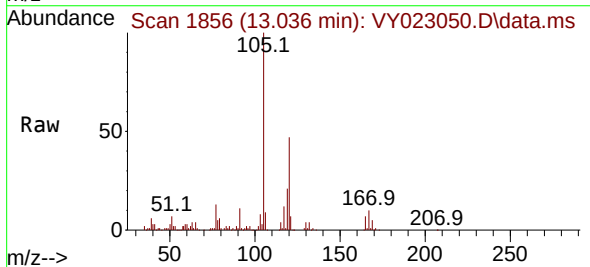
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

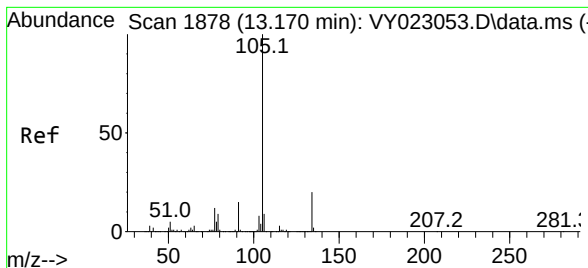
Tgt Ion:119 Resp: 87496
Ion Ratio Lower Upper
119 100
91 63.6 31.6 94.8
134 25.5 12.9 38.7



#84
1,2,4-Trimethylbenzene
Concen: 4.571 ug/l
RT: 13.036 min Scan# 1856
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion:105 Resp: 93551
Ion Ratio Lower Upper
105 100
120 46.3 23.0 69.0

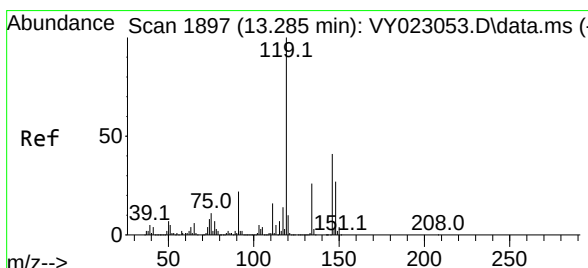
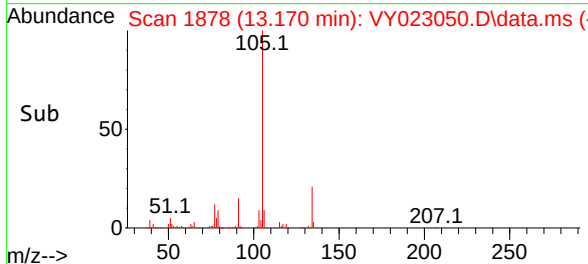
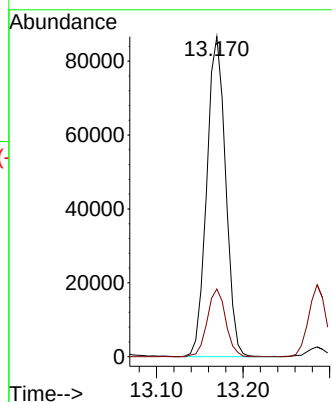
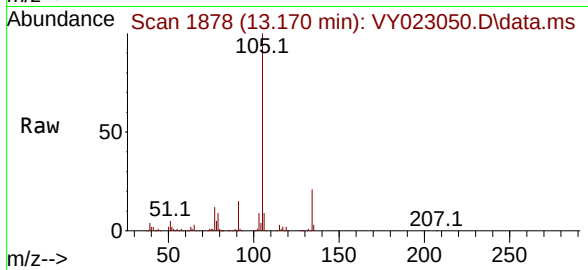




#85
 sec-Butylbenzene
 Concen: 4.806 ug/l
 RT: 13.170 min Scan# 1878
 Delta R.T. 0.000 min
 Lab File: VY023050.D
 Acq: 12 Aug 2025 14:54

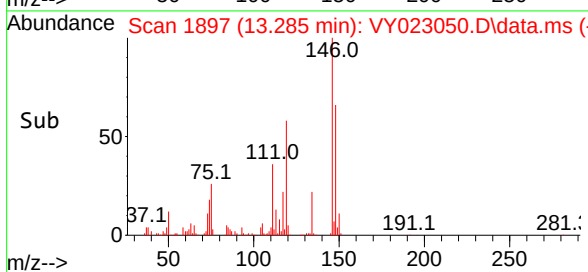
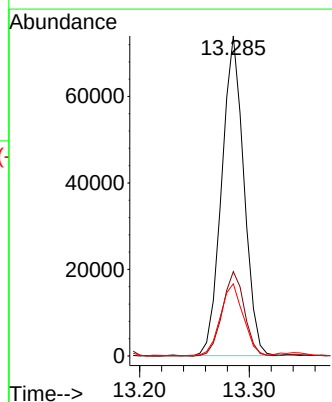
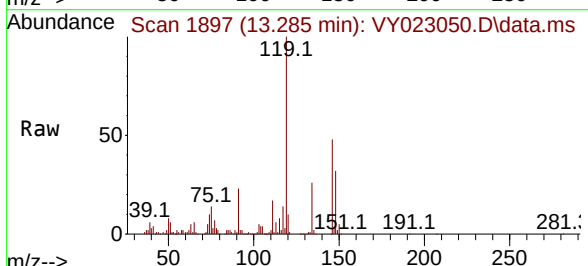
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

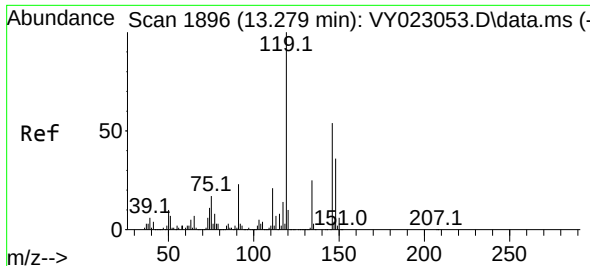
Tgt Ion:105 Resp: 131079
 Ion Ratio Lower Upper
 105 100
 134 20.7 10.2 30.4



#86
 p-Isopropyltoluene
 Concen: 4.582 ug/l
 RT: 13.285 min Scan# 1897
 Delta R.T. 0.000 min
 Lab File: VY023050.D
 Acq: 12 Aug 2025 14:54

Tgt Ion:119 Resp: 103731
 Ion Ratio Lower Upper
 119 100
 134 26.2 13.2 39.6
 91 23.5 11.3 33.8





#87

1,3-Dichlorobenzene

Concen: 4.819 ug/l

RT: 13.279 min Scan# 1896

Delta R.T. 0.000 min

Lab File: VY023050.D

Acq: 12 Aug 2025 14:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

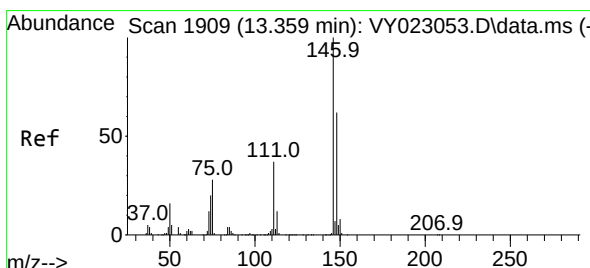
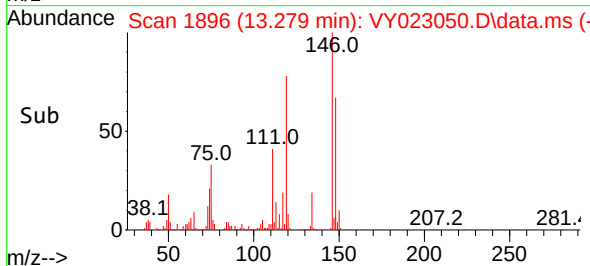
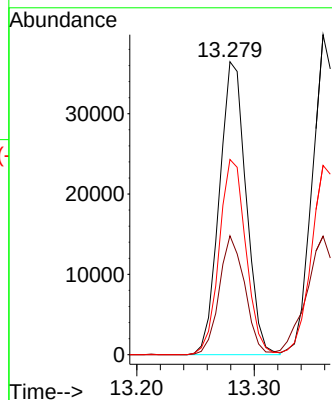
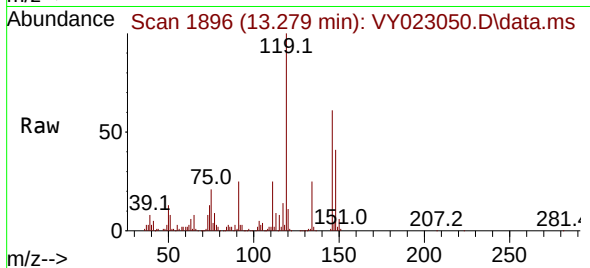
Tgt Ion:146 Resp: 57668

Ion Ratio Lower Upper

146 100

111 38.8 19.6 58.7

148 66.5 32.5 97.5



#88

1,4-Dichlorobenzene

Concen: 5.120 ug/l

RT: 13.359 min Scan# 1909

Delta R.T. 0.000 min

Lab File: VY023050.D

Acq: 12 Aug 2025 14:54

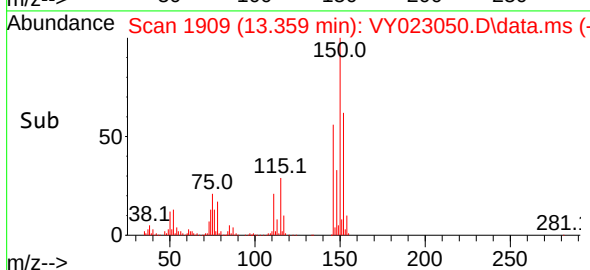
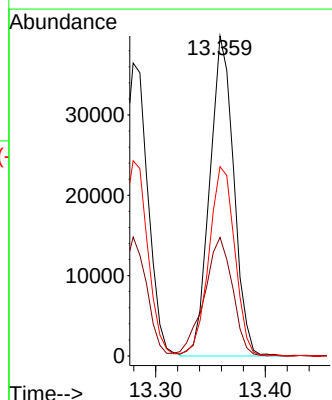
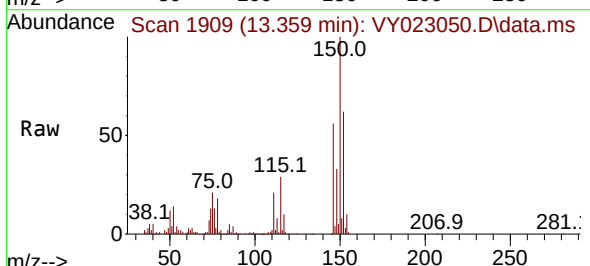
Tgt Ion:146 Resp: 60781

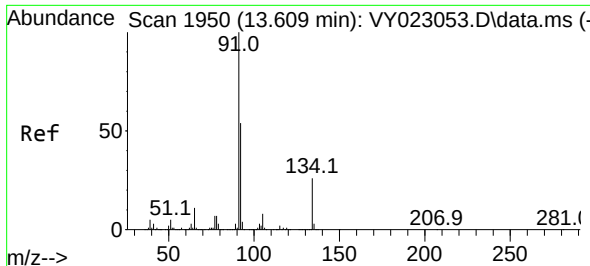
Ion Ratio Lower Upper

146 100

111 42.8 19.1 57.1

148 63.6 31.6 94.7

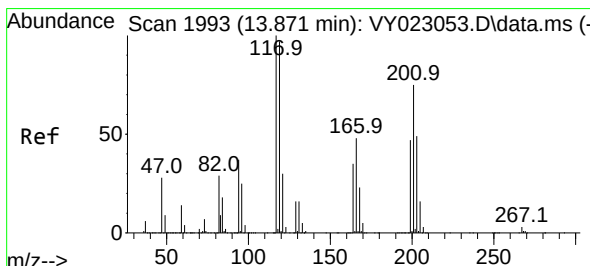
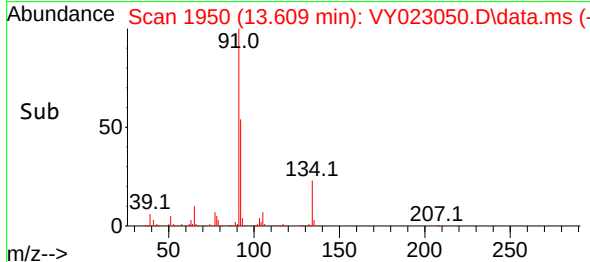
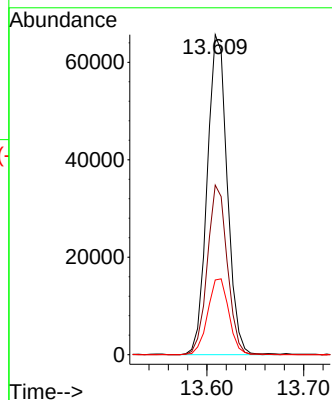
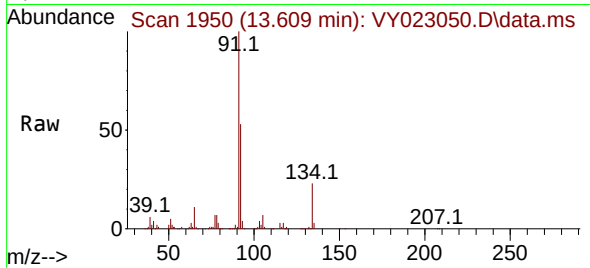




#89
n-Butylbenzene
Concen: 4.549 ug/l
RT: 13.609 min Scan# 1950
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

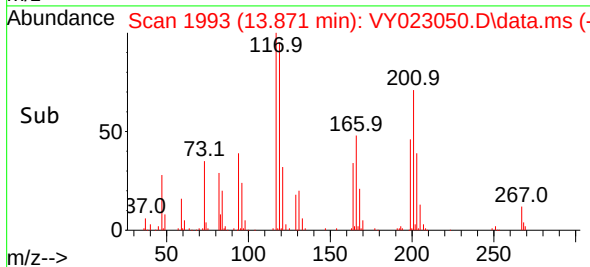
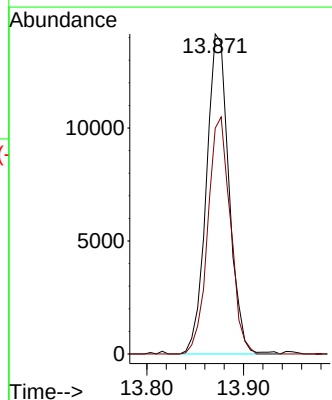
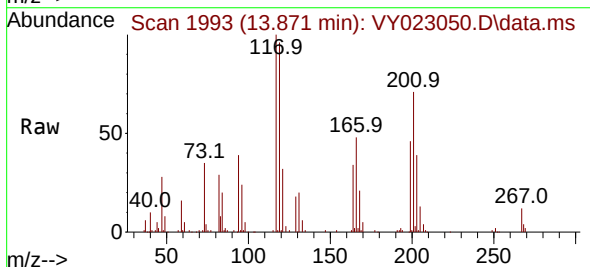
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

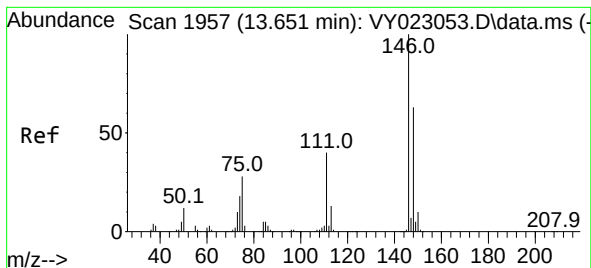
Tgt Ion: 91 Resp: 94594
Ion Ratio Lower Upper
91 100
92 52.6 26.9 80.7
134 25.1 13.2 39.5



#90
Hexachloroethane
Concen: 4.958 ug/l
RT: 13.871 min Scan# 1993
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion: 117 Resp: 22980
Ion Ratio Lower Upper
117 100
201 74.0 38.4 115.1

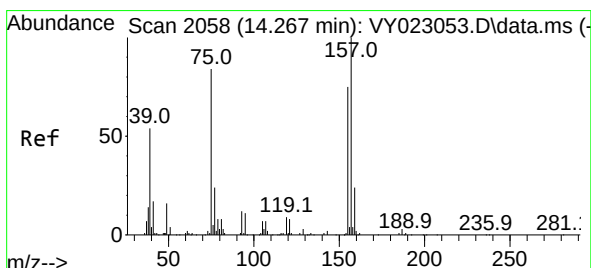
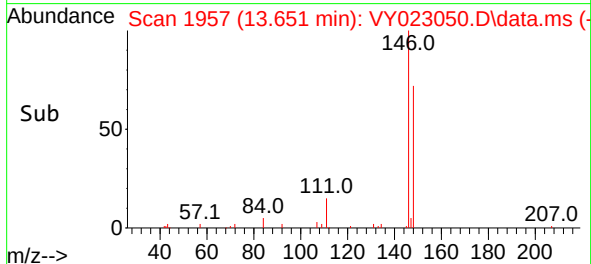
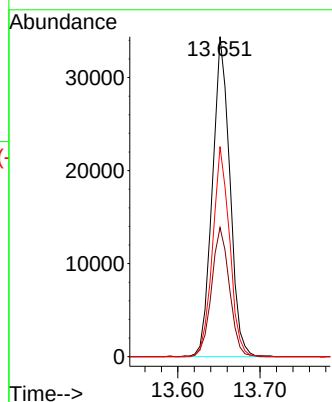
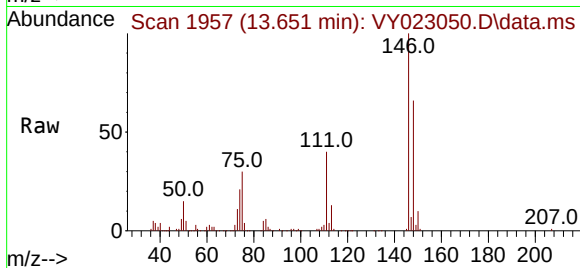




#91
1,2-Dichlorobenzene
Concen: 4.843 ug/l
RT: 13.651 min Scan# 1957
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

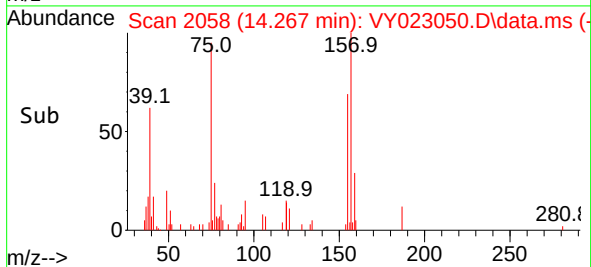
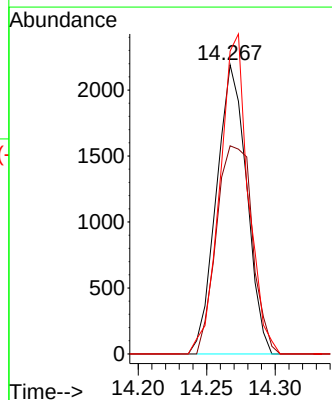
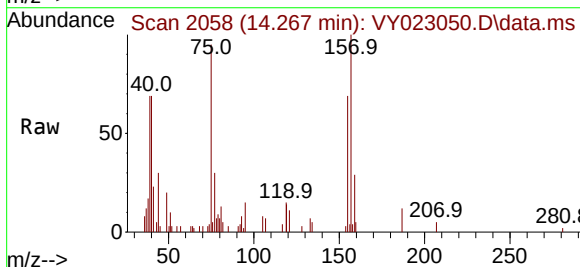
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

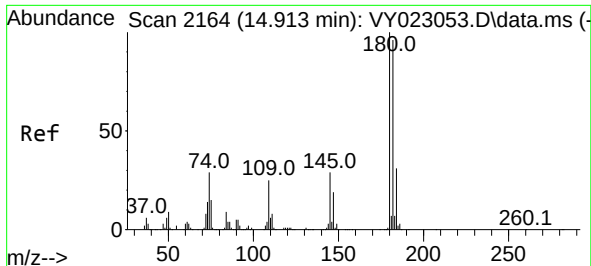
Tgt Ion:	146	Resp:	50829
Ion Ratio	Lower	Upper	
146	100		
111	41.3	20.3	60.8
148	63.6	32.2	96.6



#92
1,2-Dibromo-3-Chloropropane
Concen: 4.982 ug/l
RT: 14.267 min Scan# 2058
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion:	75	Resp:	3369
Ion Ratio	Lower	Upper	
75	100		
155	85.3	43.9	131.6
157	103.8	57.2	171.6

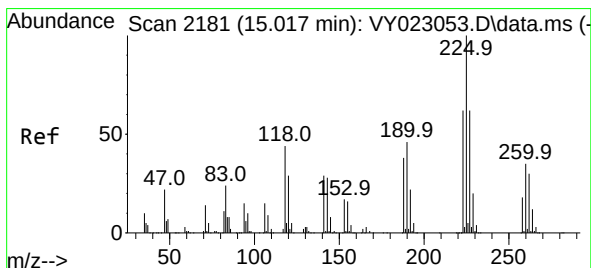
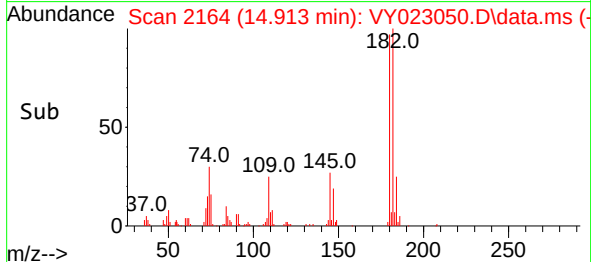
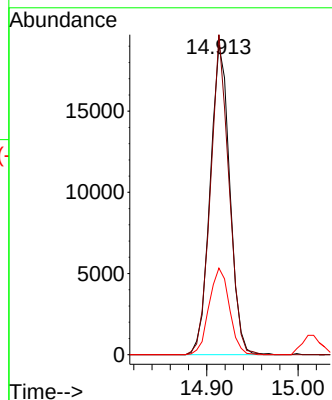
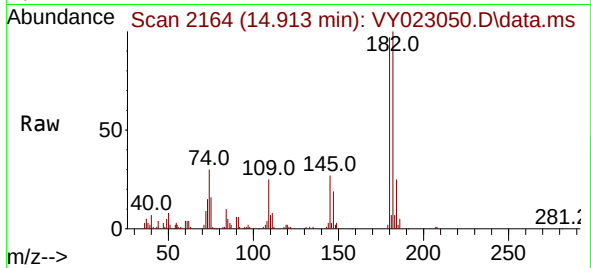




#93
1,2,4-Trichlorobenzene
Concen: 4.576 ug/l
RT: 14.913 min Scan# 2164
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

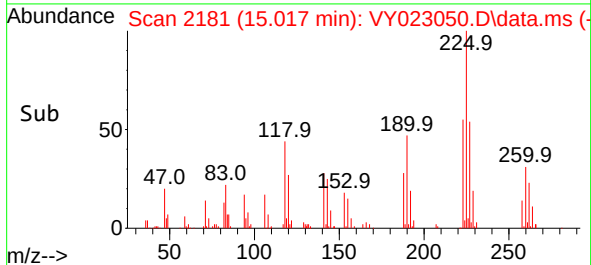
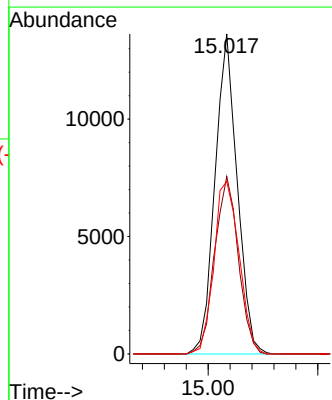
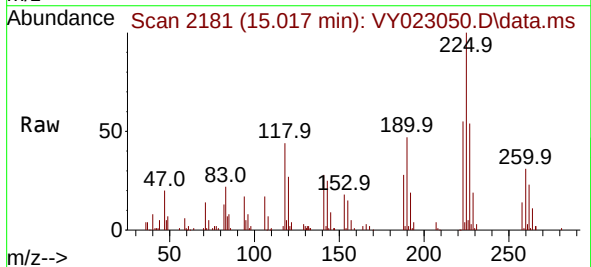
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

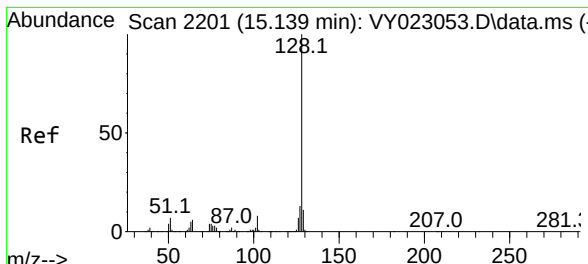
Tgt Ion:180	Resp:	28399
Ion Ratio	Lower	Upper
180	100	
182	96.6	46.8 140.4
145	28.9	14.4 43.4



#94
Hexachlorobutadiene
Concen: 5.263 ug/l
RT: 15.017 min Scan# 2181
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion:225	Resp:	19196
Ion Ratio	Lower	Upper
225	100	
223	58.9	31.3 93.8
227	61.0	31.5 94.5

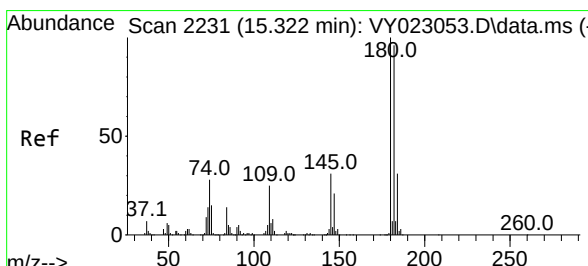
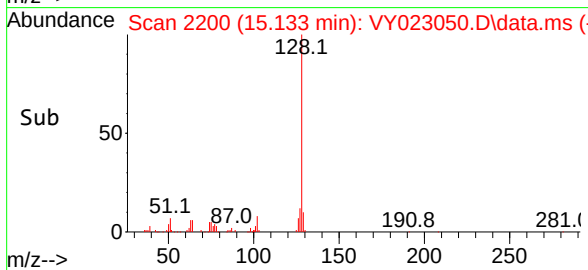
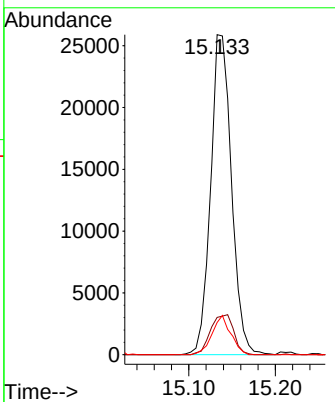
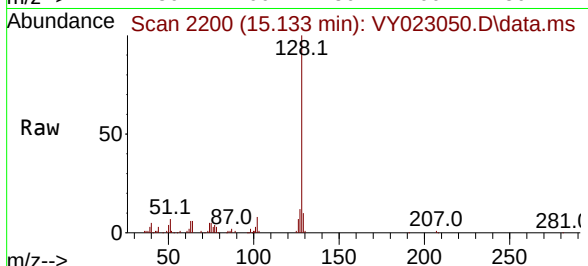




#95
 Naphthalene
 Concen: 4.100 ug/l
 RT: 15.133 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VY023050.D
 Acq: 12 Aug 2025 14:54

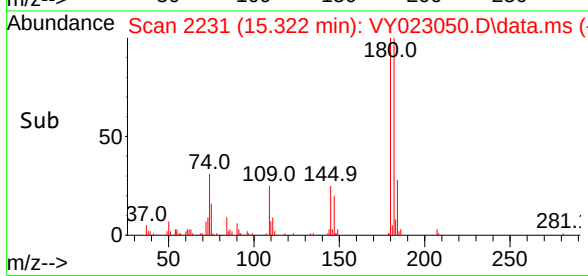
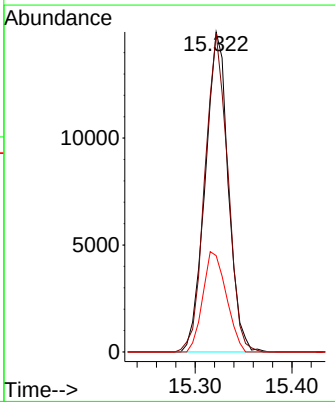
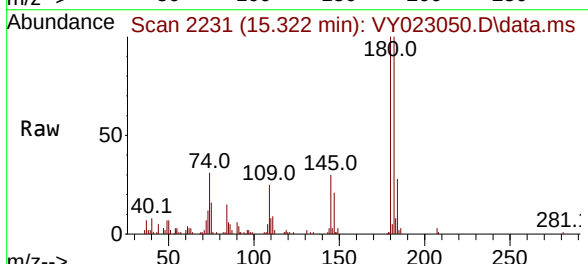
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Tgt Ion:	128	Resp:	43395
Ion	Ratio	Lower	Upper
128	100		
127	13.8	10.4	15.6
129	10.9	9.0	13.4



#96
 1,2,3-Trichlorobenzene
 Concen: 4.619 ug/l
 RT: 15.322 min Scan# 2231
 Delta R.T. 0.000 min
 Lab File: VY023050.D
 Acq: 12 Aug 2025 14:54

Tgt Ion:	180	Resp:	24703
Ion	Ratio	Lower	Upper
180	100		
182	98.4	47.9	143.7
145	31.9	15.9	47.7



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081225\
 Data File : VY023051.D
 Acq On : 12 Aug 2025 15:17
 Operator : SY/MD
 Sample : VSTDIC010
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Quant Time: Aug 13 01:51:22 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 13 01:46:43 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.701	168	551522	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	883548	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.408	117	761327	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	365647	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	54002	10.274	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	20.540%#
35) Dibromofluoromethane	7.628	113	52916	10.009	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	20.020%#
50) Toluene-d8	10.103	98	204532	9.903	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	19.800%#
62) 4-Bromofluorobenzene	12.401	95	64927	9.775	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	19.540%#
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.861	85	51022	11.334	ug/l	95
3) Chloromethane	2.068	50	77982	10.695	ug/l	97
4) Vinyl Chloride	2.202	62	95983	10.649	ug/l	99
5) Bromomethane	2.592	94	70415	10.461	ug/l	99
6) Chloroethane	2.732	64	62514	10.432	ug/l	97
7) Trichlorofluoromethane	3.049	101	115150	10.507	ug/l	94
8) Diethyl Ether	3.452	74	30390	10.481	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.812	101	57210	10.581	ug/l	100
10) Methyl Iodide	4.001	142	54184	9.287	ug/l	99
11) Tert butyl alcohol	4.866	59	20212	56.119	ug/l	99
12) 1,1-Dichloroethene	3.781	96	55669	10.475	ug/l	92
13) Acrolein	3.647	56	30081	57.030	ug/l	97
14) Allyl chloride	4.372	41	79145	10.121	ug/l	98
15) Acrylonitrile	5.049	53	62889	53.349	ug/l	99
16) Acetone	3.873	43	61290	53.821	ug/l	94
17) Carbon Disulfide	4.098	76	183399	10.583	ug/l	98
18) Methyl Acetate	4.385	43	33996	10.032	ug/l	99
19) Methyl tert-butyl Ether	5.110	73	139820	10.153	ug/l	95
20) Methylene Chloride	4.604	84	77920	11.095	ug/l	97
21) trans-1,2-Dichloroethene	5.110	96	61826	10.352	ug/l	100
22) Diisopropyl ether	6.012	45	172602	10.157	ug/l	93
23) Vinyl Acetate	5.957	43	482714	51.372	ug/l	98
24) 1,1-Dichloroethane	5.903	63	106831	10.282	ug/l	99
25) 2-Butanone	6.896	43	83923	54.187	ug/l	96
26) 2,2-Dichloropropane	6.878	77	91579	10.215	ug/l	100
27) cis-1,2-Dichloroethene	6.884	96	68839	9.970	ug/l	99
28) Bromochloromethane	7.238	49	41820	10.146	ug/l	100
29) Tetrahydrofuran	7.262	42	49926	52.005	ug/l	99
30) Chloroform	7.415	83	109942	10.260	ug/l	93
31) Cyclohexane	7.701	56	103068	10.527	ug/l #	89
32) 1,1,1-Trichloroethane	7.616	97	96693	10.170	ug/l	98
36) 1,1-Dichloropropene	7.829	75	80479	10.243	ug/l	99
37) Ethyl Acetate	6.982	43	34854	10.560	ug/l	97
38) Carbon Tetrachloride	7.811	117	85932	10.070	ug/l	97
39) Methylcyclohexane	9.103	83	102275	9.885	ug/l	99
40) Benzene	8.073	78	243060	10.037	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081225\
 Data File : VY023051.D
 Acq On : 12 Aug 2025 15:17
 Operator : SY/MD
 Sample : VSTDICC010
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC010

Quant Time: Aug 13 01:51:22 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 13 01:46:43 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.213	41	18825	9.872	ug/l #	89
42) 1,2-Dichloroethane	8.152	62	65350	10.376	ug/l	99
43) Isopropyl Acetate	8.195	43	67669	10.144	ug/l	99
44) Trichloroethene	8.859	130	62689	10.017	ug/l	98
45) 1,2-Dichloropropane	9.134	63	56720	10.179	ug/l	97
46) Dibromomethane	9.225	93	33460	10.462	ug/l	98
47) Bromodichloromethane	9.420	83	81951	9.959	ug/l	97
48) Methyl methacrylate	9.213	41	31851	9.978	ug/l	96
49) 1,4-Dioxane	9.231	88	7705	205.471	ug/l	94
51) 4-Methyl-2-Pentanone	9.993	43	177157	51.484	ug/l	98
52) Toluene	10.164	92	150422	9.780	ug/l	99
53) t-1,3-Dichloropropene	10.390	75	72507	9.730	ug/l	99
54) cis-1,3-Dichloropropene	9.853	75	85945	9.753	ug/l	100
55) 1,1,2-Trichloroethane	10.566	97	42712	9.981	ug/l	97
56) Ethyl methacrylate	10.432	69	52746	9.632	ug/l	98
57) 1,3-Dichloropropane	10.713	76	74433	10.256	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.707	63	119417	46.232	ug/l	98
59) 2-Hexanone	10.755	43	118452	50.553	ug/l	99
60) Dibromochloromethane	10.902	129	56045	9.925	ug/l	99
61) 1,2-Dibromoethane	11.011	107	41009	10.196	ug/l	99
64) Tetrachloroethene	10.640	164	70502	10.371	ug/l	98
65) Chlorobenzene	11.438	112	162985	9.925	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.511	131	54856	9.842	ug/l	97
67) Ethyl Benzene	11.511	91	273281	9.670	ug/l	99
68) m/p-Xylenes	11.621	106	212766	19.277	ug/l	99
69) o-Xylene	11.950	106	97841	9.465	ug/l	98
70) Styrene	11.963	104	155809	9.216	ug/l	99
71) Bromoform	12.127	173	32470	9.968	ug/l #	97
73) Isopropylbenzene	12.249	105	254745	9.871	ug/l	99
74) N-amyl acetate	12.066	43	53943	9.857	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.499	83	47304	10.735	ug/l	99
76) 1,2,3-Trichloropropane	12.548	75	61290	17.357	ug/l #	100
77) Bromobenzene	12.523	156	60728	9.864	ug/l	96
78) n-propylbenzene	12.590	91	303440	9.876	ug/l	100
79) 2-Chlorotoluene	12.676	91	175364	9.962	ug/l	99
80) 1,3,5-Trimethylbenzene	12.731	105	205544	9.855	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.298	75	15715	10.780	ug/l	96
82) 4-Chlorotoluene	12.767	91	181812	9.956	ug/l	99
83) tert-Butylbenzene	12.993	119	181408	9.630	ug/l	99
84) 1,2,4-Trimethylbenzene	13.035	105	201812	9.720	ug/l	100
85) sec-Butylbenzene	13.170	105	274178	9.908	ug/l	99
86) p-Isopropyltoluene	13.285	119	217799	9.482	ug/l	98
87) 1,3-Dichlorobenzene	13.279	146	120109	9.893	ug/l	99
88) 1,4-Dichlorobenzene	13.359	146	121160	10.060	ug/l	97
89) n-Butylbenzene	13.609	91	205420	9.737	ug/l	98
90) Hexachloroethane	13.871	117	47353	10.071	ug/l	98
91) 1,2-Dichlorobenzene	13.651	146	107656	10.110	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.267	75	7032	10.250	ug/l	98
93) 1,2,4-Trichlorobenzene	14.913	180	61323	9.739	ug/l	99
94) Hexachlorobutadiene	15.017	225	37011	10.003	ug/l	99
95) Naphthalene	15.139	128	99780	9.293	ug/l	99
96) 1,2,3-Trichlorobenzene	15.322	180	53626	9.883	ug/l	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081225\
Data File : VY023051.D
Acq On : 12 Aug 2025 15:17
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

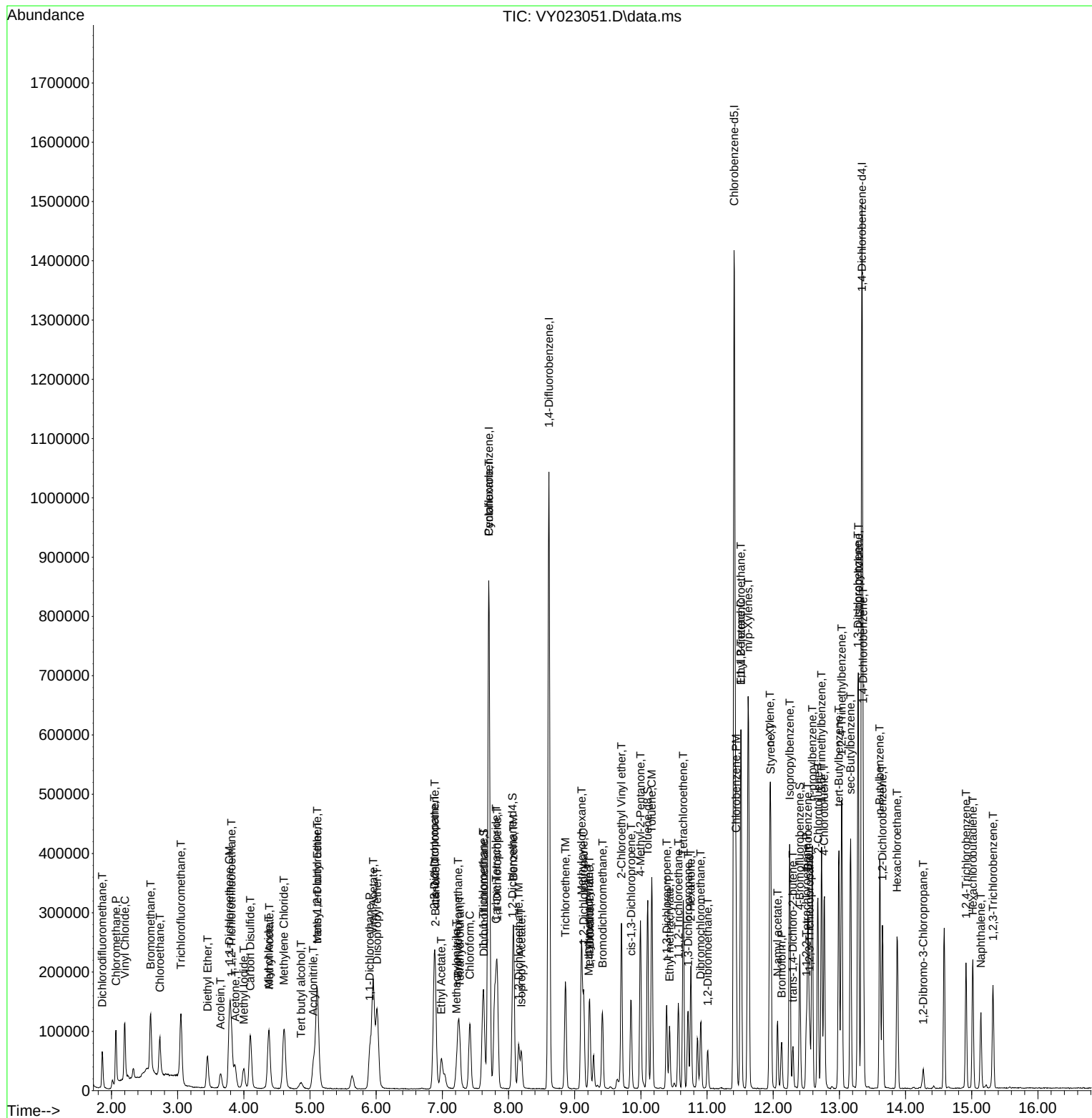
Quant Time: Aug 13 01:51:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 01:46:43 2025
Response via : Initial Calibration

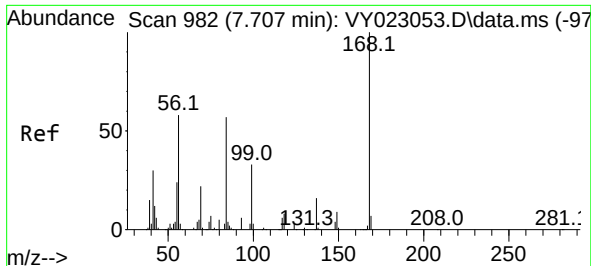
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Quant Time: Aug 13 01:51:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 01:46:43 2025
Response via : Initial Calibration

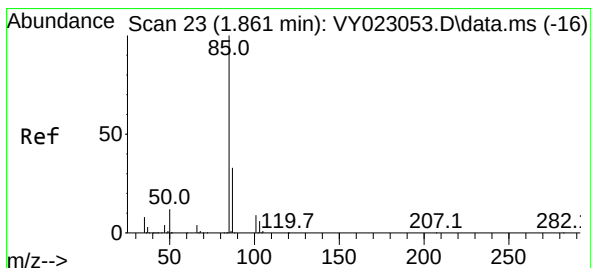
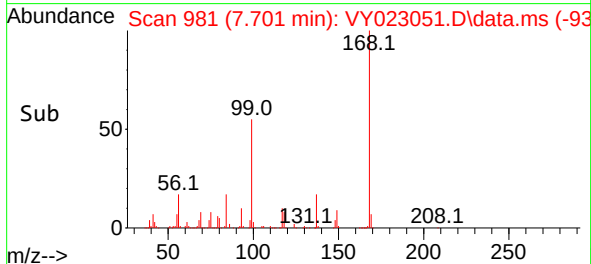
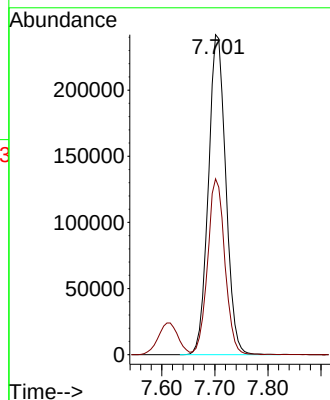
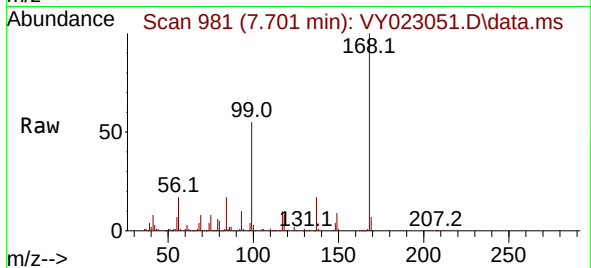




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

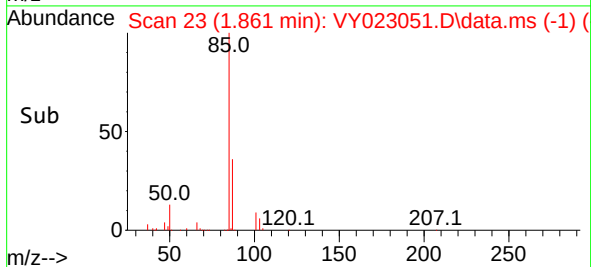
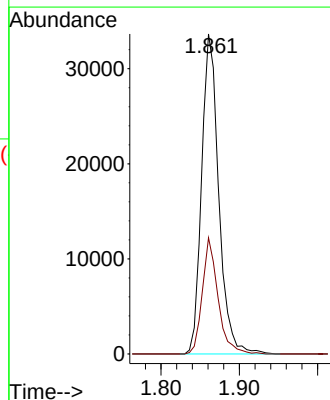
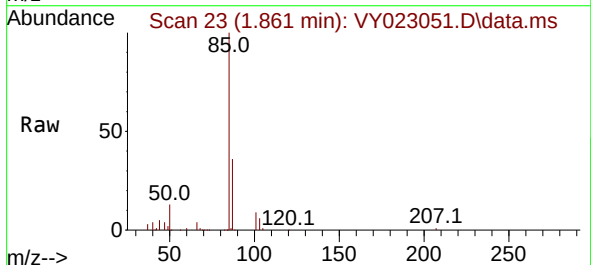
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

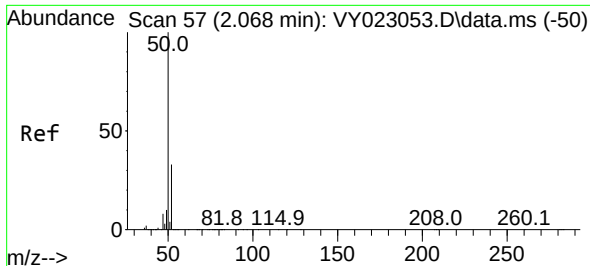
Tgt Ion:168 Resp: 551522
Ion Ratio Lower Upper
168 100
99 54.9 42.8 64.2



#2
Dichlorodifluoromethane
Concen: 11.334 ug/l
RT: 1.861 min Scan# 23
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion: 85 Resp: 51022
Ion Ratio Lower Upper
85 100
87 36.3 16.6 49.8

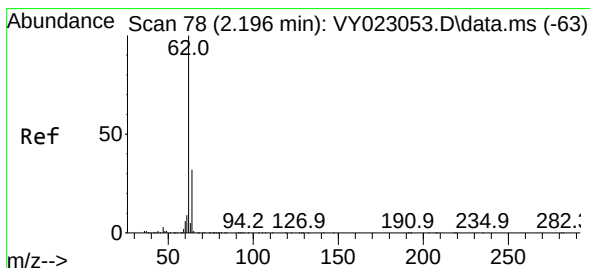
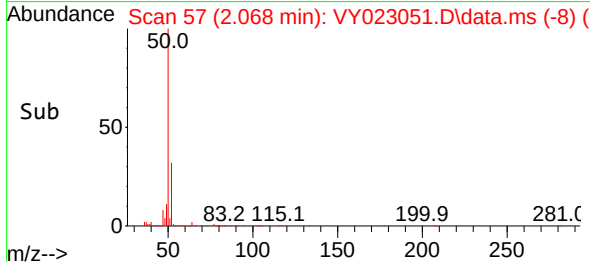
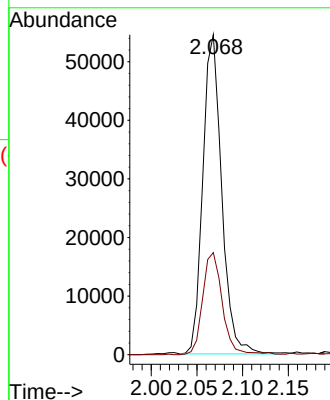
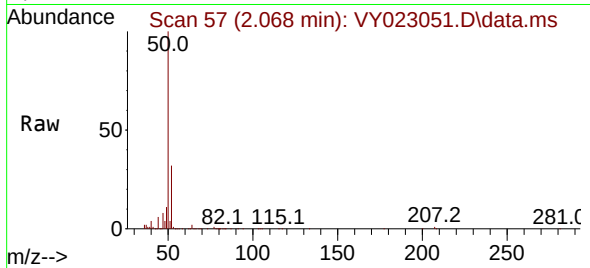




#3
Chloromethane
Concen: 10.695 ug/l
RT: 2.068 min Scan# 51
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

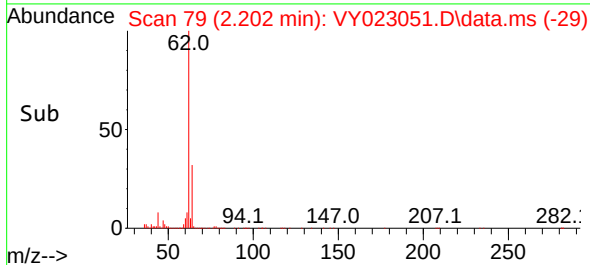
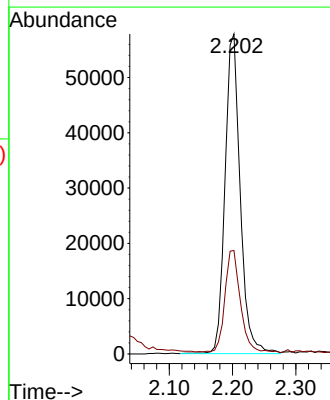
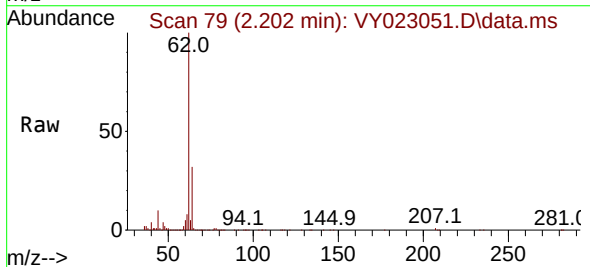
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

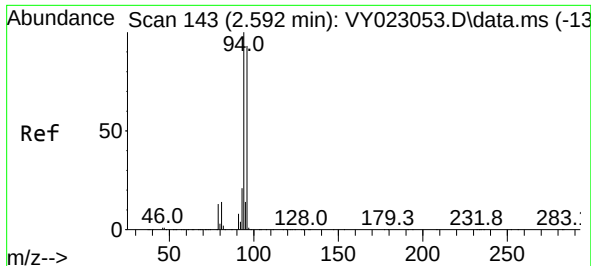
Tgt Ion: 50 Resp: 77982
Ion Ratio Lower Upper
50 100
52 32.0 26.7 40.1



#4
Vinyl Chloride
Concen: 10.649 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.006 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion: 62 Resp: 95983
Ion Ratio Lower Upper
62 100
64 32.0 25.4 38.0

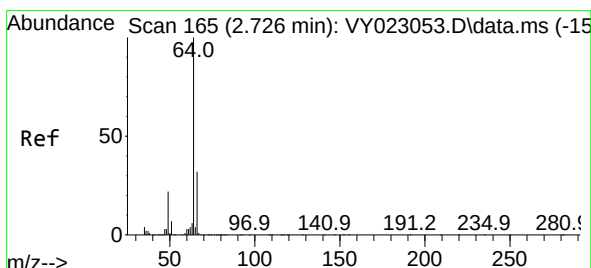
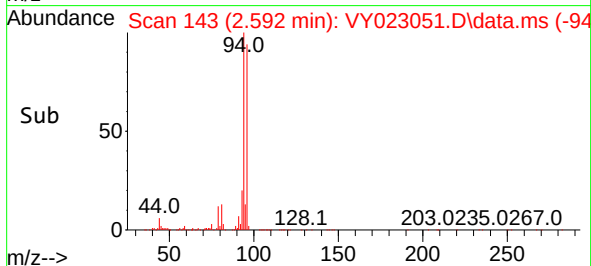
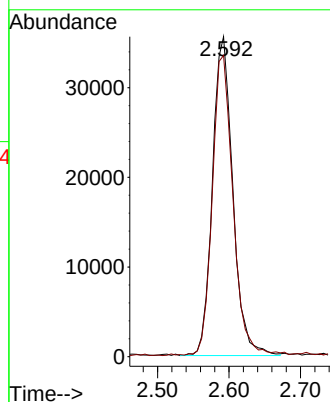
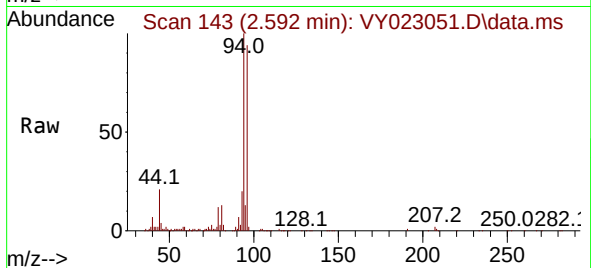




#5
Bromomethane
Concen: 10.461 ug/l
RT: 2.592 min Scan# 143
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

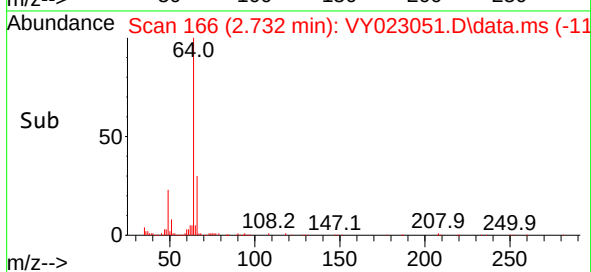
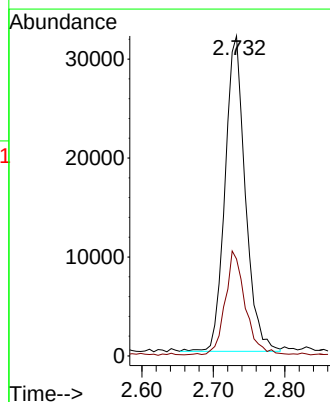
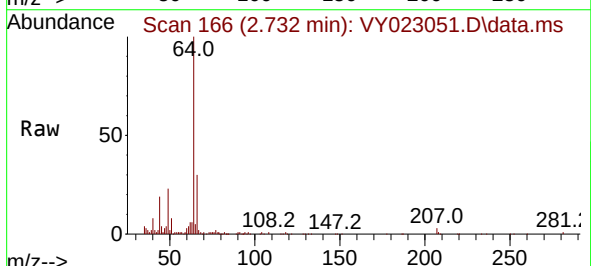
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

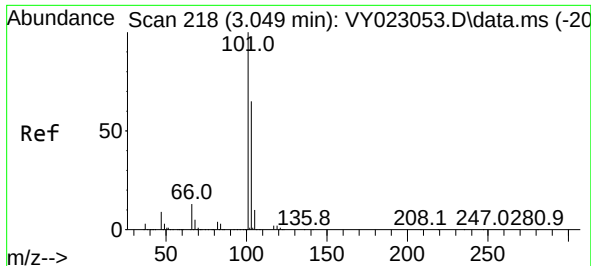
Tgt Ion: 94 Resp: 70415
Ion Ratio Lower Upper
94 100
96 93.8 74.6 112.0



#6
Chloroethane
Concen: 10.432 ug/l
RT: 2.732 min Scan# 166
Delta R.T. 0.006 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion: 64 Resp: 62514
Ion Ratio Lower Upper
64 100
66 30.4 25.8 38.6

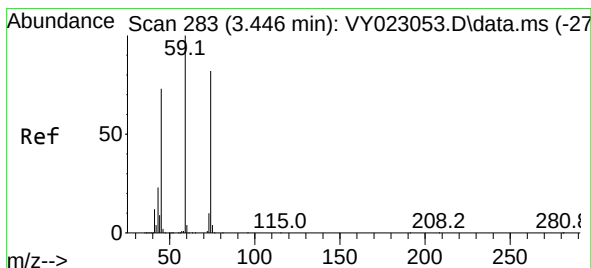
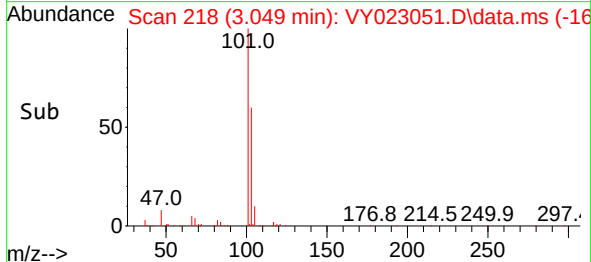
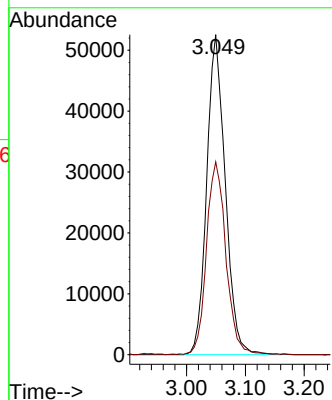
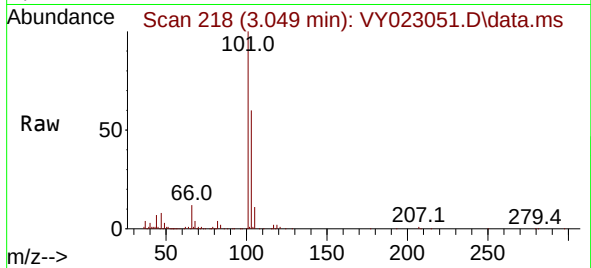




#7
 Trichlorofluoromethane
 Concen: 10.507 ug/l
 RT: 3.049 min Scan# 218
 Delta R.T. 0.000 min
 Lab File: VY023051.D
 Acq: 12 Aug 2025 15:17

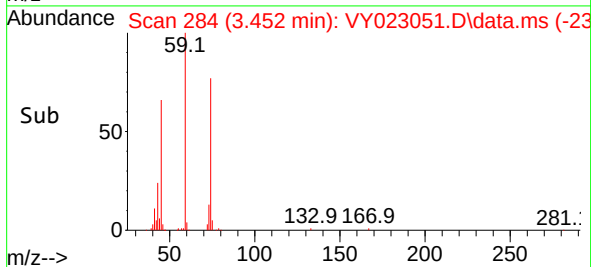
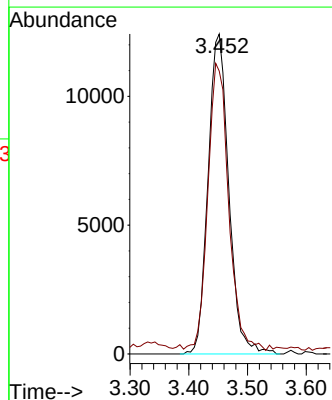
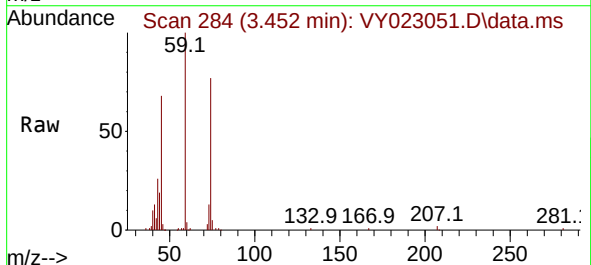
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

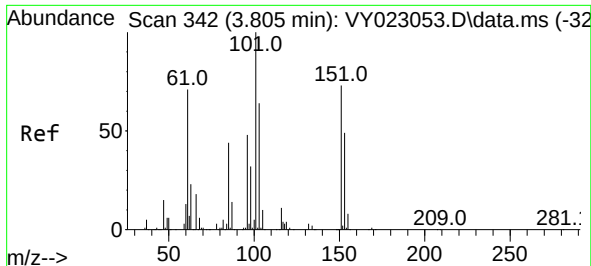
Tgt Ion:101 Resp: 115150
 Ion Ratio Lower Upper
 101 100
 103 60.1 51.9 77.9



#8
 Diethyl Ether
 Concen: 10.481 ug/l
 RT: 3.452 min Scan# 284
 Delta R.T. 0.006 min
 Lab File: VY023051.D
 Acq: 12 Aug 2025 15:17

Tgt Ion: 74 Resp: 30390
 Ion Ratio Lower Upper
 74 100
 45 90.2 44.4 133.2

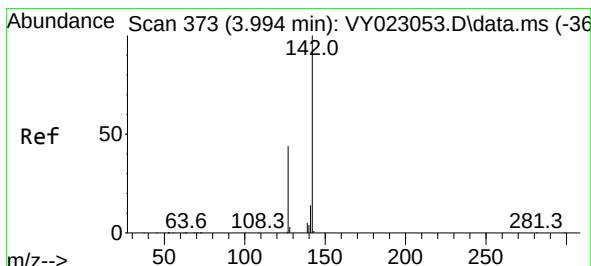
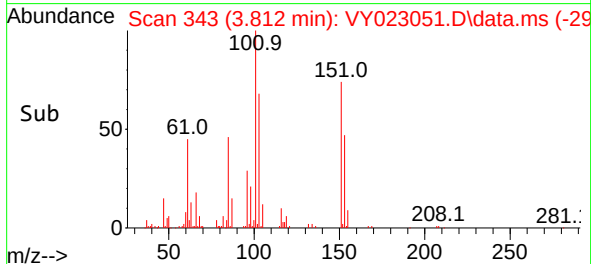
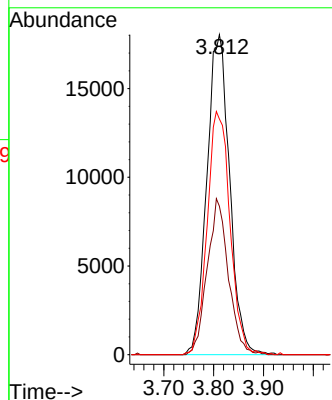
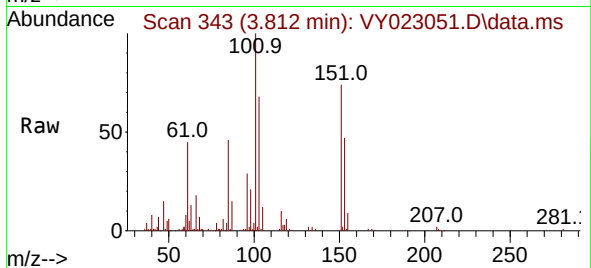




#9
1,1,2-Trichlorotrifluoroethane
Concen: 10.581 ug/l
RT: 3.812 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

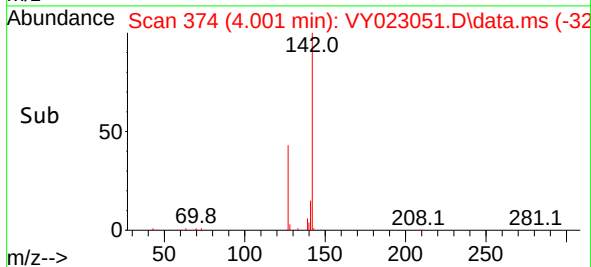
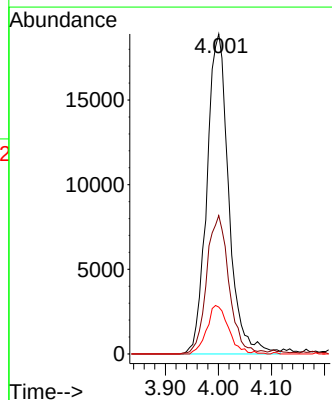
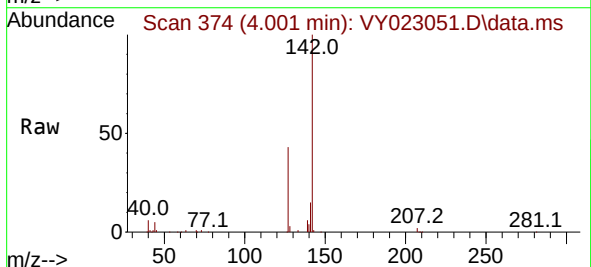
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

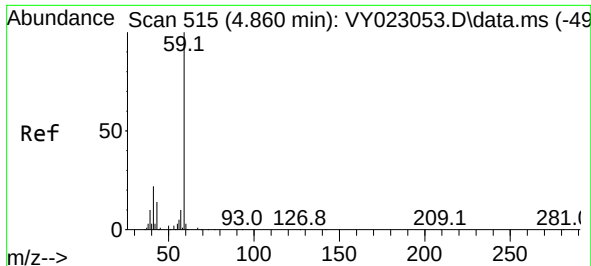
Tgt Ion:101 Resp: 57210
Ion Ratio Lower Upper
101 100
85 45.3 36.3 54.5
151 76.3 61.5 92.3



#10
Methyl Iodide
Concen: 9.287 ug/l
RT: 4.001 min Scan# 374
Delta R.T. 0.006 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion:142 Resp: 54184
Ion Ratio Lower Upper
142 100
127 44.3 34.9 52.3
141 14.9 11.3 16.9

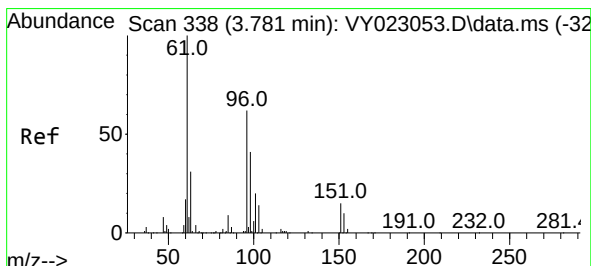
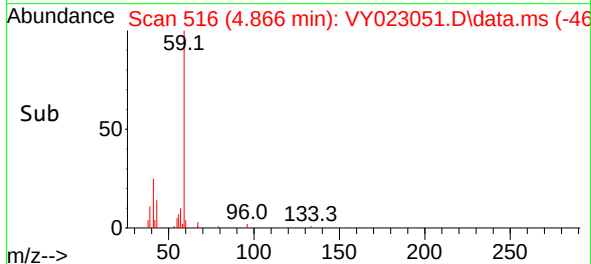
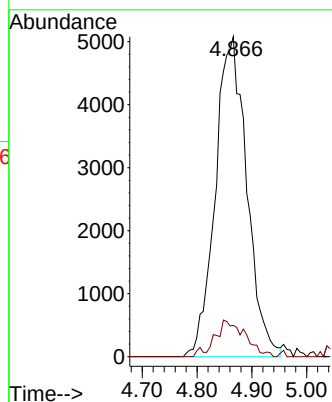
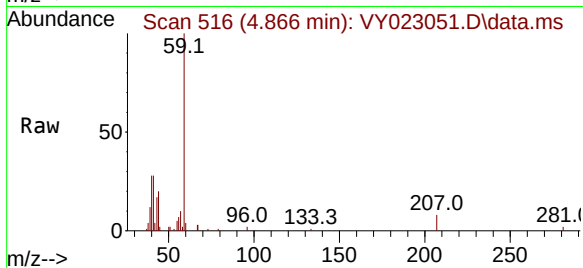




#11
Tert butyl alcohol
Concen: 56.119 ug/l
RT: 4.866 min Scan# 51
Delta R.T. 0.006 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

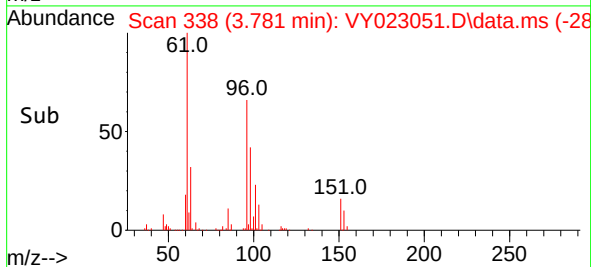
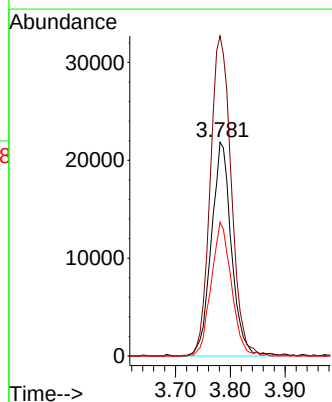
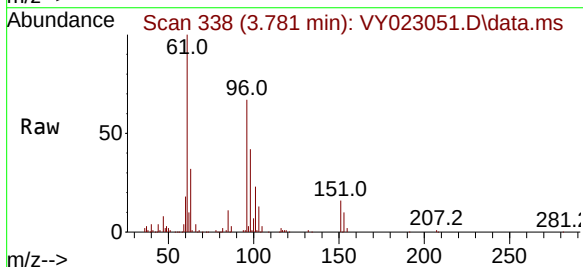
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

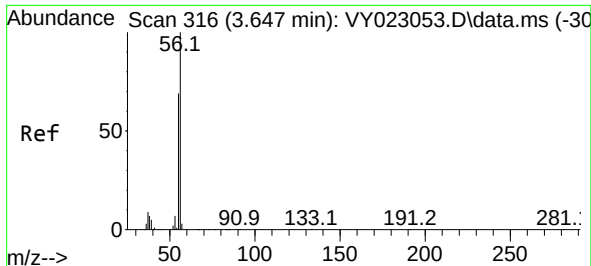
Tgt Ion: 59 Resp: 20212
Ion Ratio Lower Upper
59 100
57 10.3 8.6 13.0



#12
1,1-Dichloroethene
Concen: 10.475 ug/l
RT: 3.781 min Scan# 338
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion: 96 Resp: 55669
Ion Ratio Lower Upper
96 100
61 149.7 129.4 194.2
98 62.6 52.8 79.2

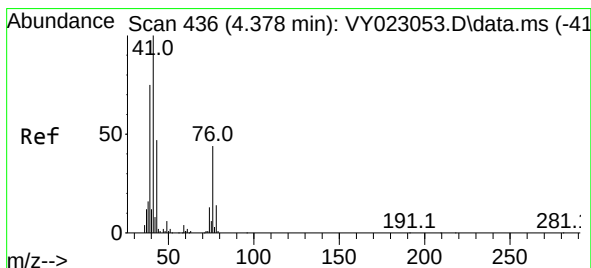
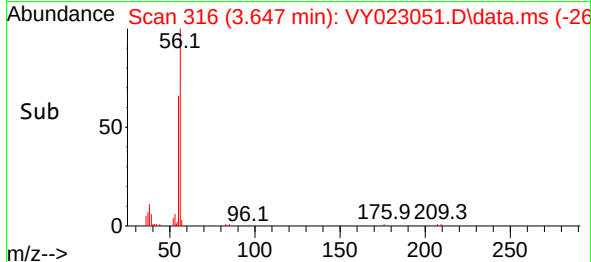
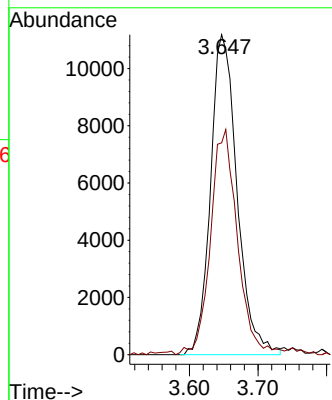
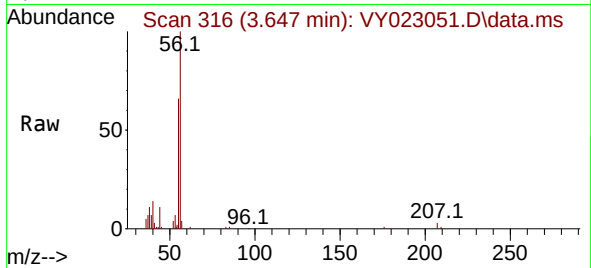




#13
Acrolein
Concen: 57.030 ug/l
RT: 3.647 min Scan# 316
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

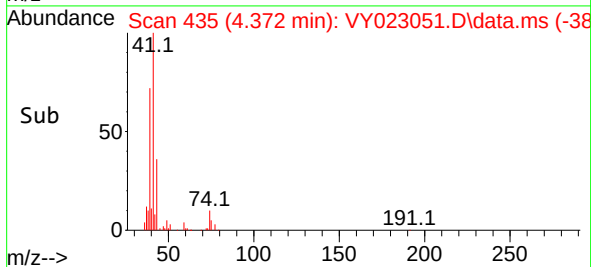
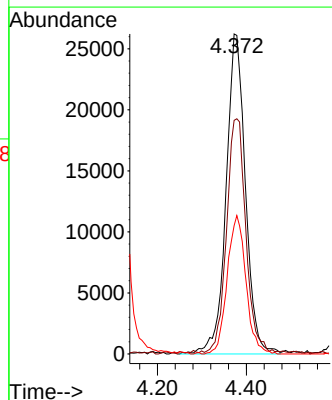
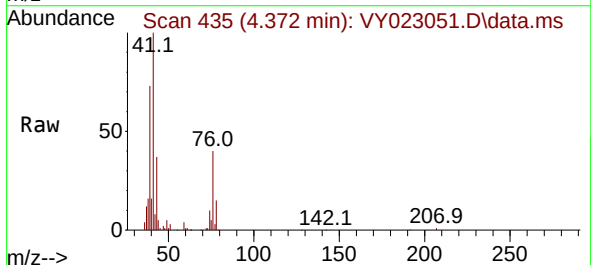
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

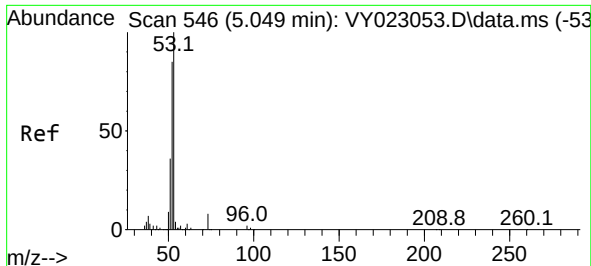
Tgt Ion: 56 Resp: 30081
Ion Ratio Lower Upper
56 100
55 71.2 55.2 82.8



#14
Allyl chloride
Concen: 10.121 ug/l
RT: 4.372 min Scan# 435
Delta R.T. -0.006 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion: 41 Resp: 79145
Ion Ratio Lower Upper
41 100
39 72.7 59.8 89.6
76 41.9 33.7 50.5

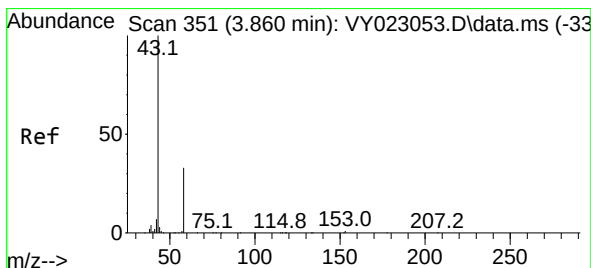
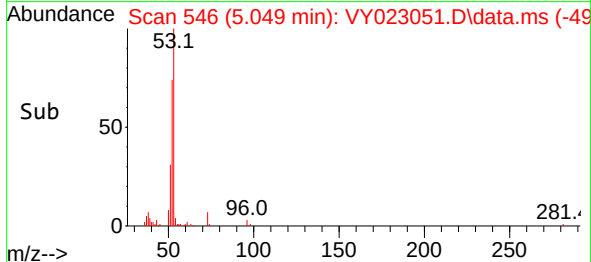
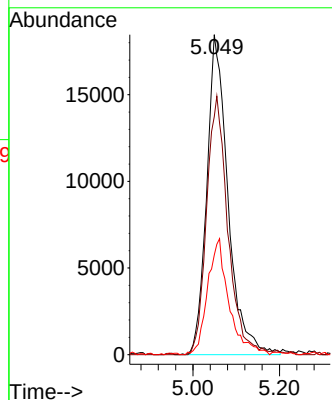
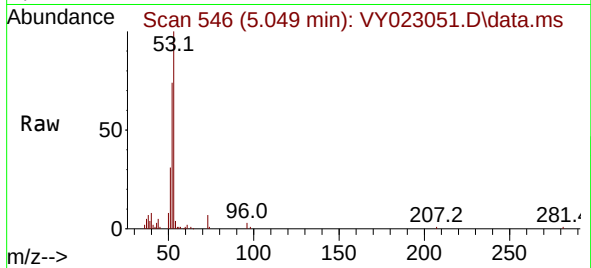




#15
Acrylonitrile
Concen: 53.349 ug/l
RT: 5.049 min Scan# 54
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

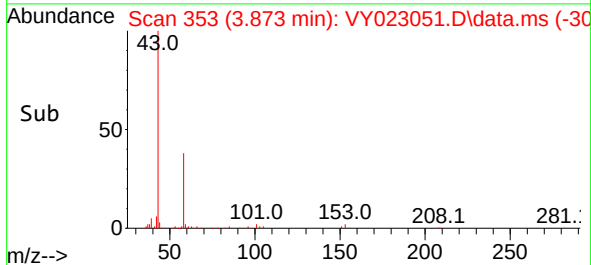
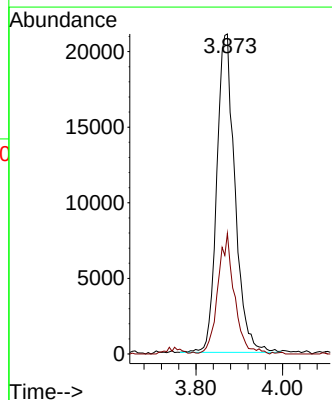
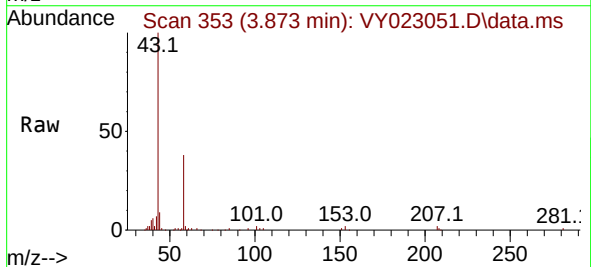
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

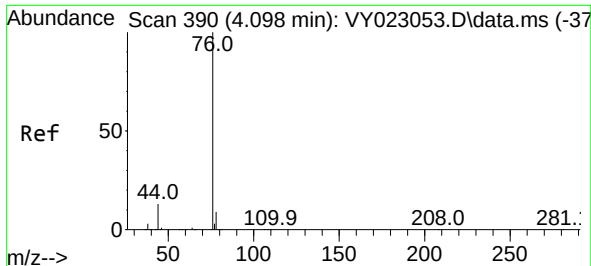
Tgt Ion: 53 Resp: 62889
Ion Ratio Lower Upper
53 100
52 81.0 65.3 97.9
51 36.5 29.5 44.3



#16
Acetone
Concen: 53.821 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.012 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion: 43 Resp: 61290
Ion Ratio Lower Upper
43 100
58 37.4 27.1 40.7

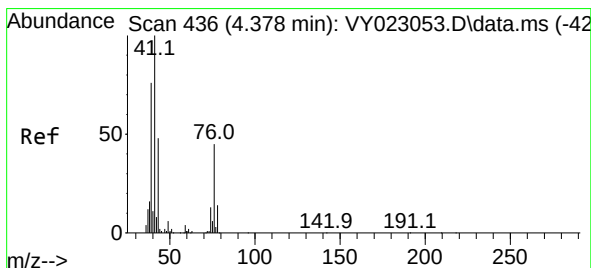
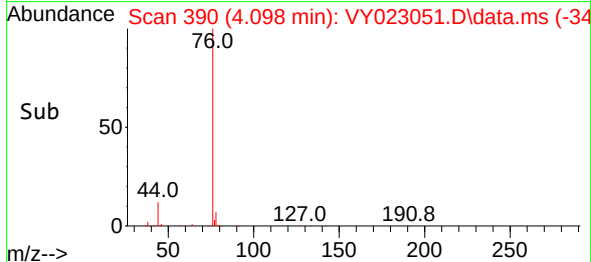
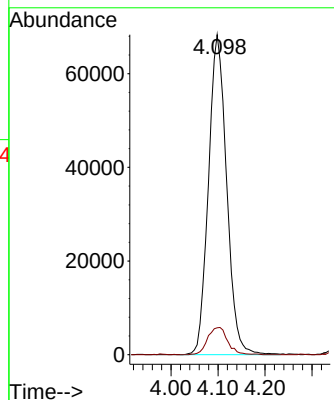
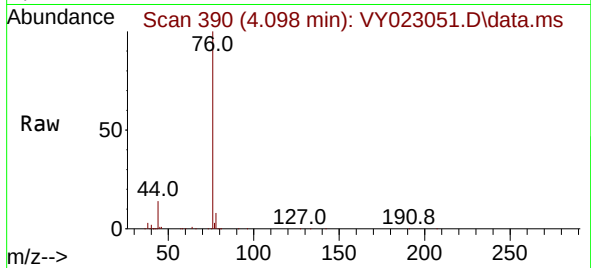




#17
Carbon Disulfide
Concen: 10.583 ug/l
RT: 4.098 min Scan# 390
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

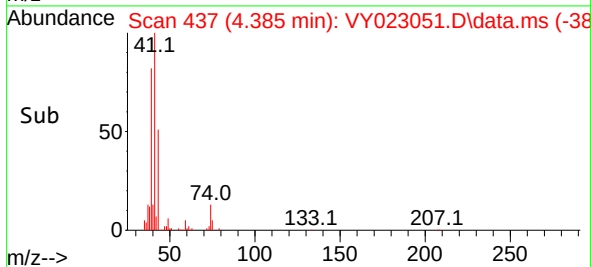
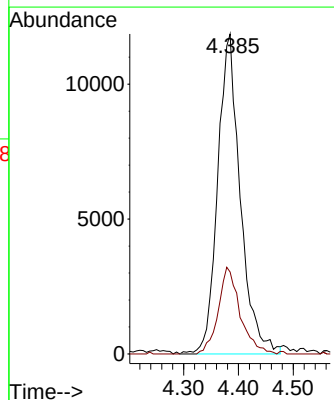
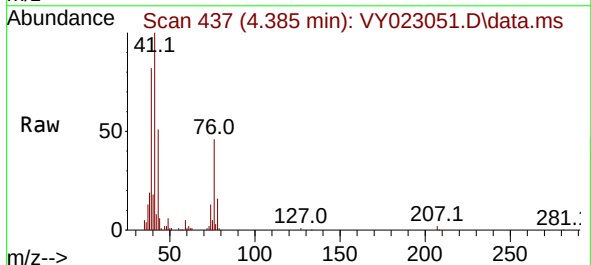
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

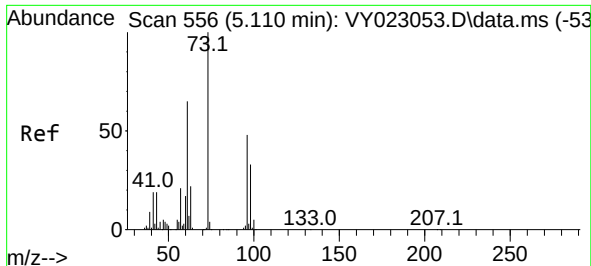
Tgt Ion: 76 Resp: 183399
Ion Ratio Lower Upper
76 100
78 8.4 7.4 11.2



#18
Methyl Acetate
Concen: 10.032 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.006 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion: 43 Resp: 33996
Ion Ratio Lower Upper
43 100
74 26.2 21.2 31.8





#19

Methyl tert-butyl Ether

Concen: 10.153 ug/l

RT: 5.110 min Scan# 51

Delta R.T. 0.000 min

Lab File: VY023051.D

Acq: 12 Aug 2025 15:17

Instrument :

MSVOA_Y

ClientSampleId :

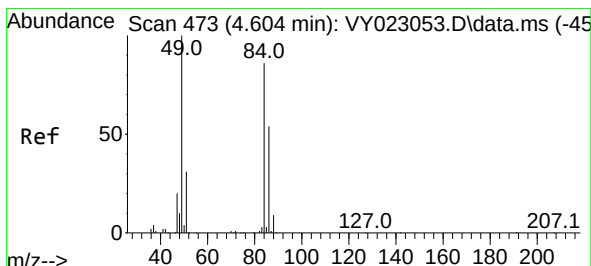
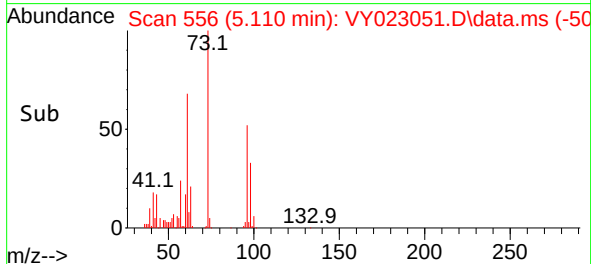
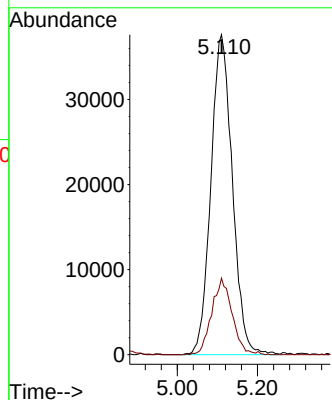
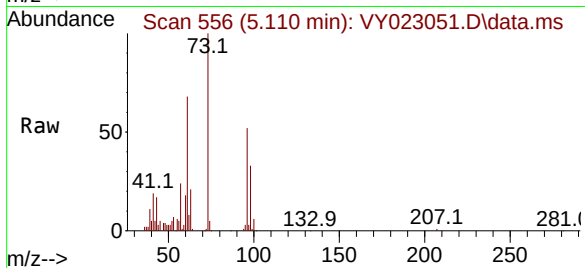
VSTDIC010

Tgt Ion: 73 Resp: 139820

Ion Ratio Lower Upper

73 100

57 23.9 17.1 25.7



#20

Methylene Chloride

Concen: 11.095 ug/l

RT: 4.604 min Scan# 473

Delta R.T. 0.000 min

Lab File: VY023051.D

Acq: 12 Aug 2025 15:17

Tgt Ion: 84 Resp: 77920

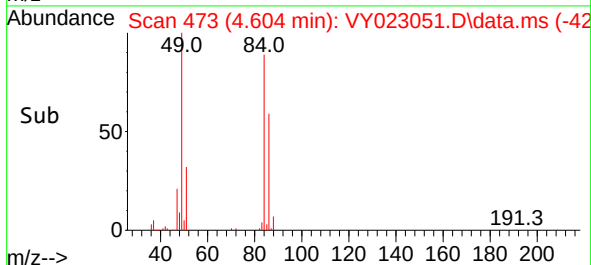
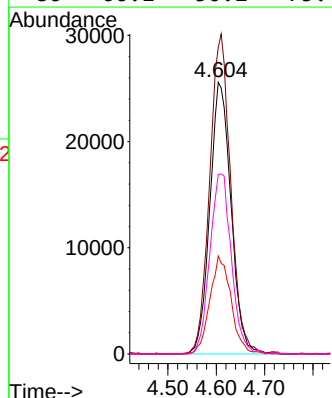
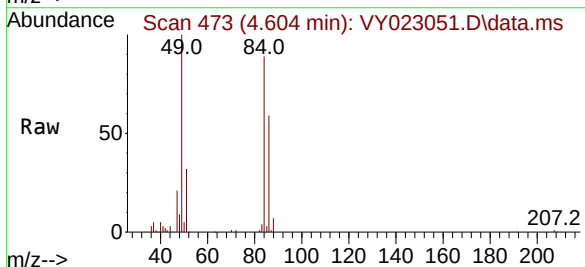
Ion Ratio Lower Upper

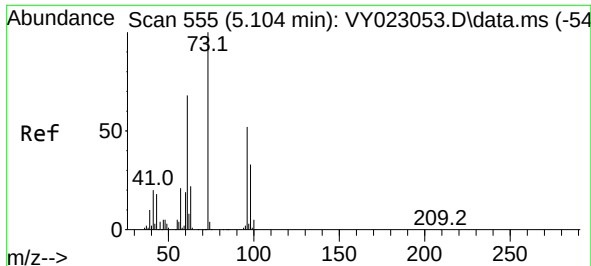
84 100

49 112.8 93.0 139.6

51 36.1 29.0 43.4

86 66.1 50.2 75.4

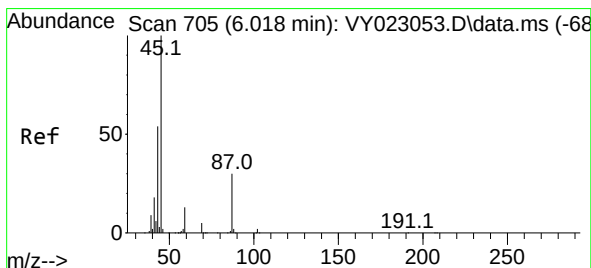
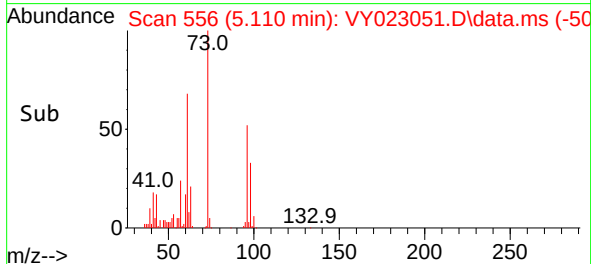
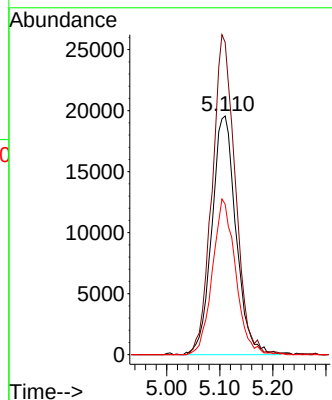
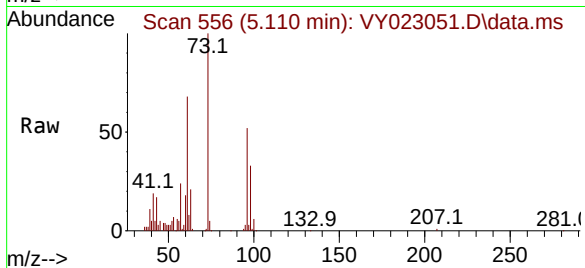




#21
trans-1,2-Dichloroethene
Concen: 10.352 ug/l
RT: 5.110 min Scan# 511
Delta R.T. 0.006 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

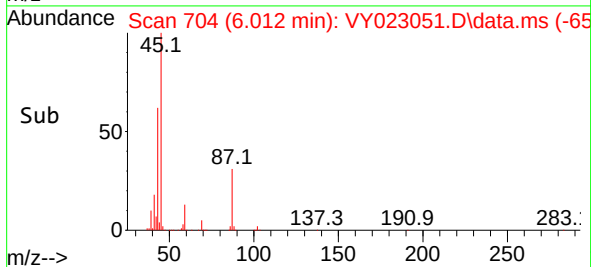
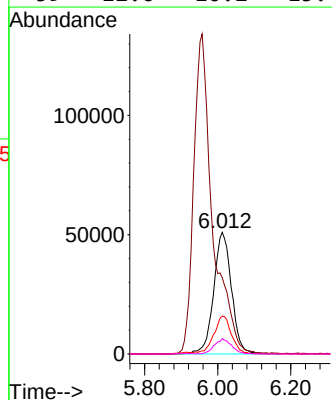
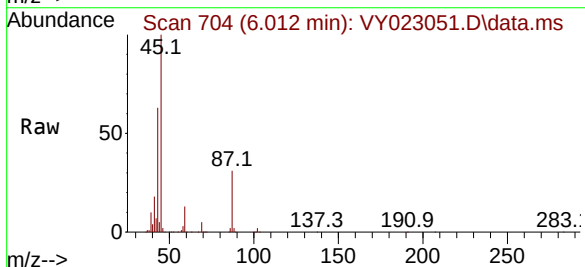
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

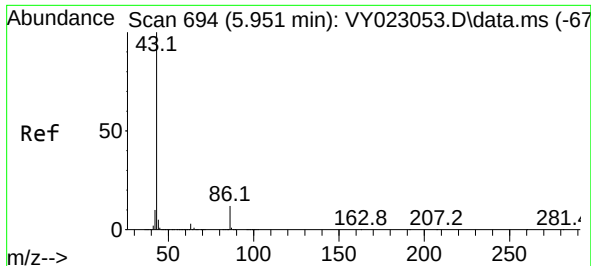
Tgt Ion: 96 Resp: 61826
Ion Ratio Lower Upper
96 100
61 130.8 104.8 157.2
98 63.0 50.1 75.1



#22
Diisopropyl ether
Concen: 10.157 ug/l
RT: 6.012 min Scan# 704
Delta R.T. -0.006 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion: 45 Resp: 172602
Ion Ratio Lower Upper
45 100
43 62.2 43.4 65.0
87 31.2 24.4 36.6
59 12.6 10.2 15.4

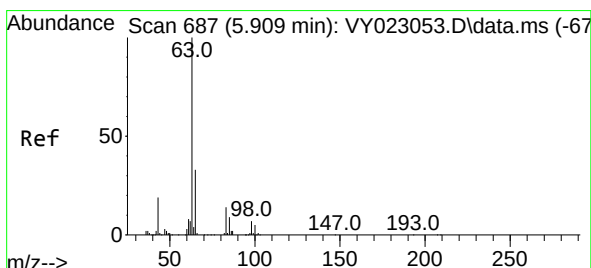
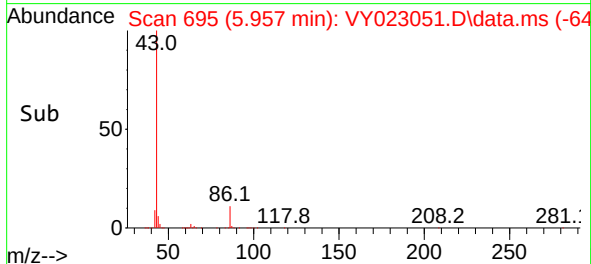
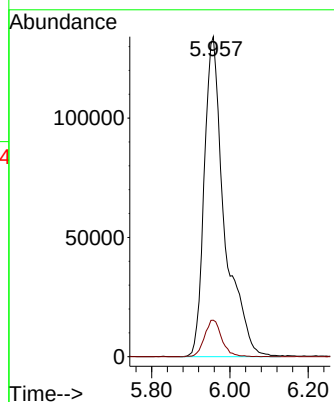
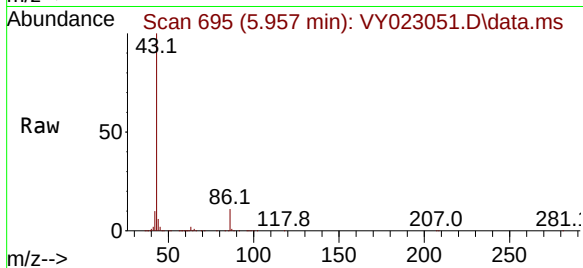




#23
 Vinyl Acetate
 Concen: 51.372 ug/l
 RT: 5.957 min Scan# 694
 Delta R.T. 0.006 min
 Lab File: VY023051.D
 Acq: 12 Aug 2025 15:17

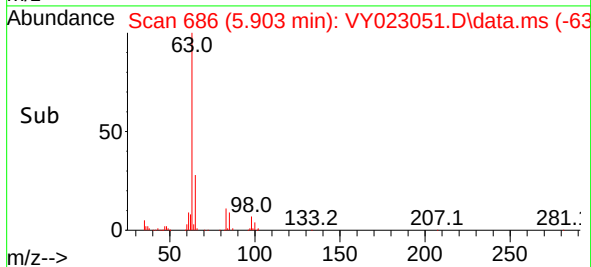
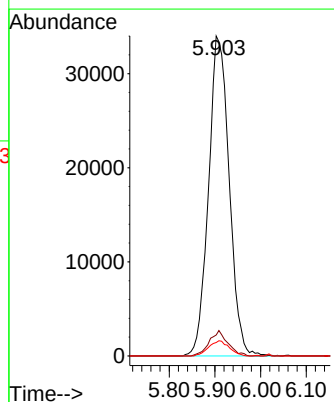
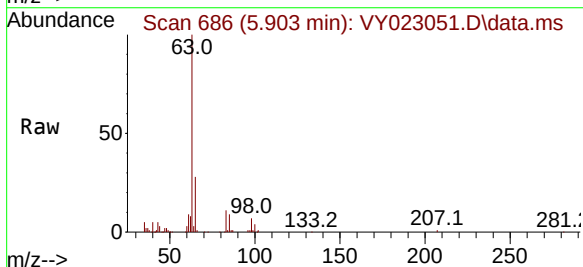
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

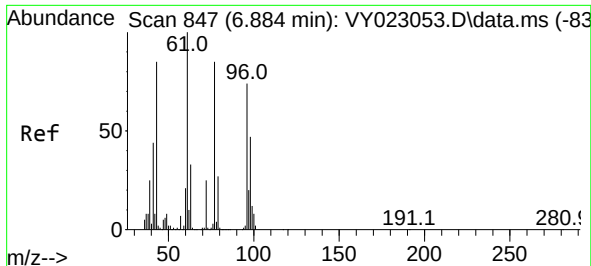
Tgt Ion: 43 Resp: 482714
 Ion Ratio Lower Upper
 43 100
 86 11.4 9.6 14.4



#24
 1,1-Dichloroethane
 Concen: 10.282 ug/l
 RT: 5.903 min Scan# 686
 Delta R.T. -0.006 min
 Lab File: VY023051.D
 Acq: 12 Aug 2025 15:17

Tgt Ion: 63 Resp: 106831
 Ion Ratio Lower Upper
 63 100
 98 6.6 3.5 10.6
 100 4.2 2.4 7.1

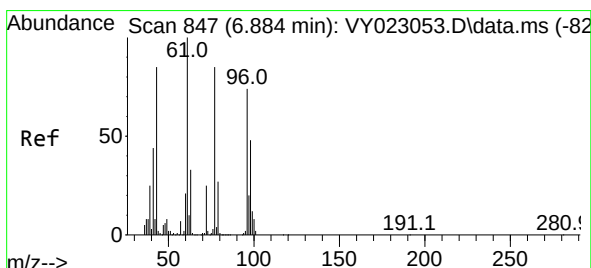
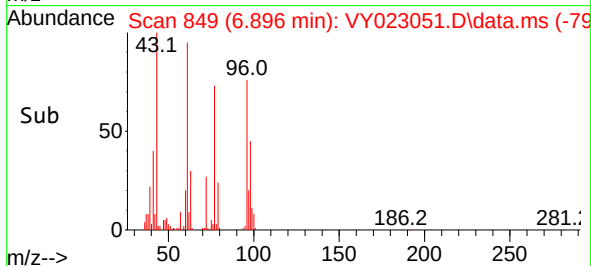
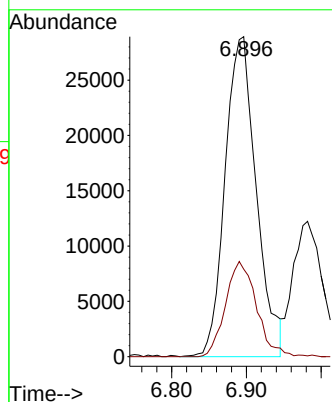
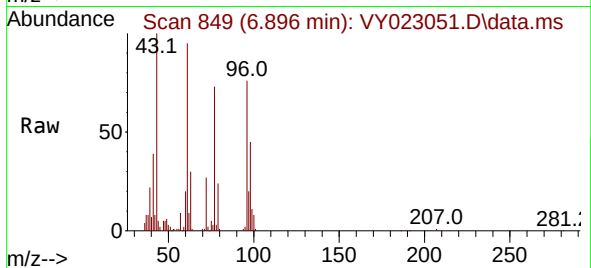




#25
2-Butanone
Concen: 54.187 ug/l
RT: 6.896 min Scan# 84
Delta R.T. 0.012 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

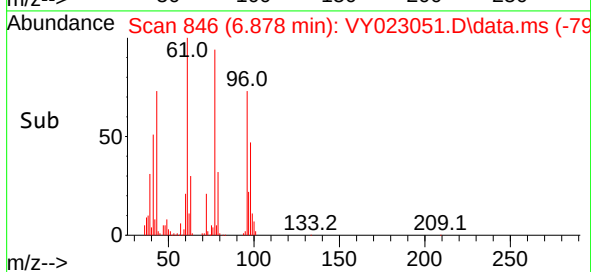
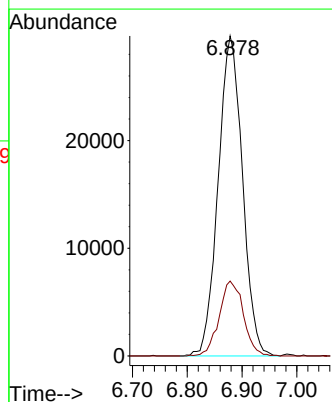
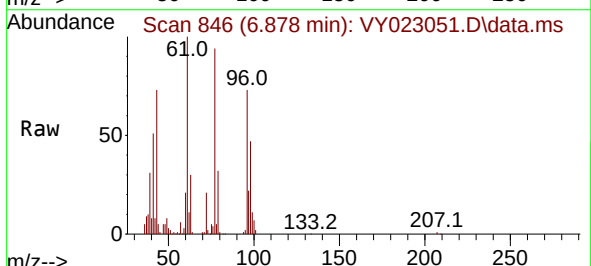
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

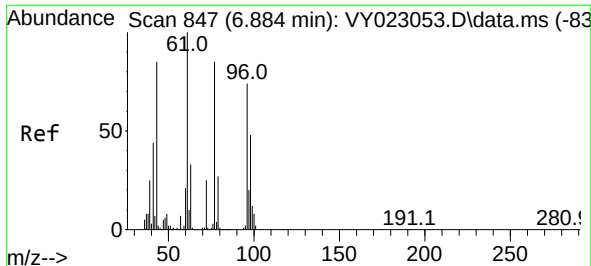
Tgt Ion: 43 Resp: 83923
Ion Ratio Lower Upper
43 100
72 27.3 23.5 35.3



#26
2,2-Dichloropropane
Concen: 10.215 ug/l
RT: 6.878 min Scan# 846
Delta R.T. -0.006 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion: 77 Resp: 91579
Ion Ratio Lower Upper
77 100
97 23.4 11.6 34.8

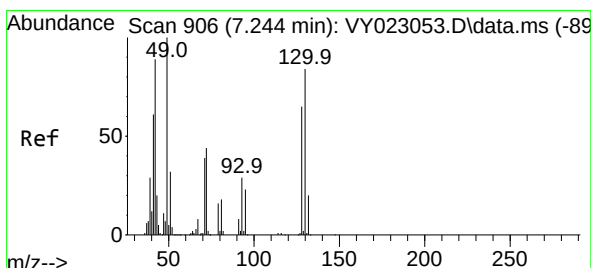
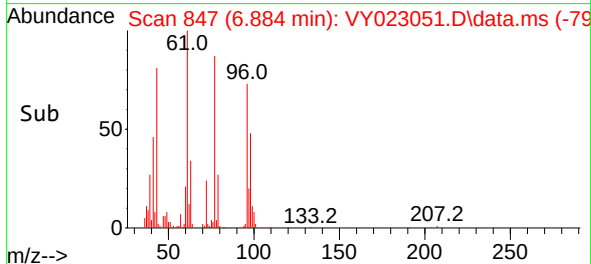
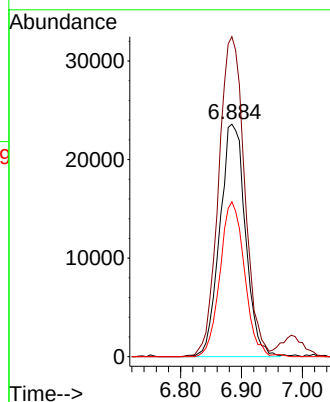
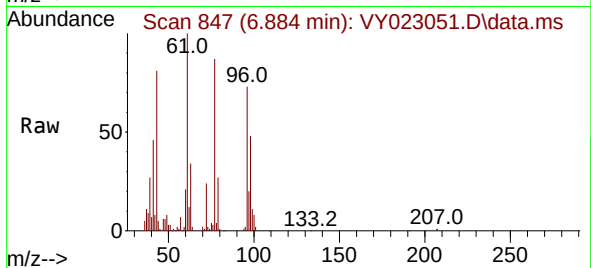




#27
 cis-1,2-Dichloroethene
 Concen: 9.970 ug/l
 RT: 6.884 min Scan# 847
 Delta R.T. 0.000 min
 Lab File: VY023051.D
 Acq: 12 Aug 2025 15:17

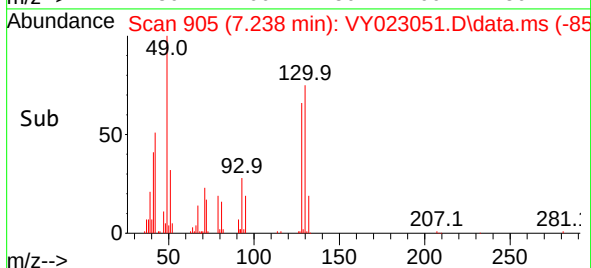
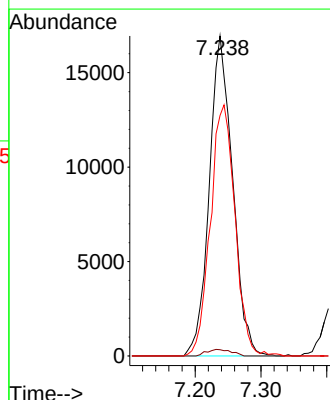
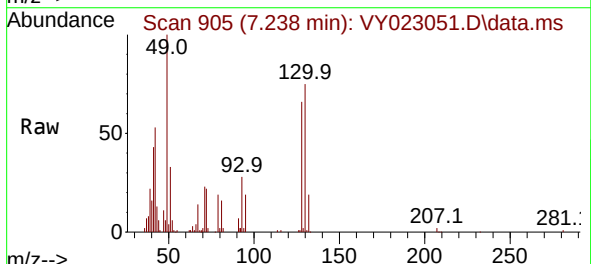
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

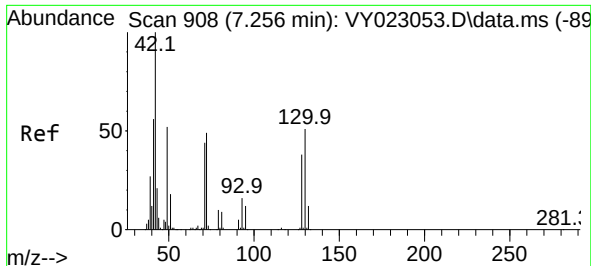
Tgt Ion: 96 Resp: 68839
 Ion Ratio Lower Upper
 96 100
 61 139.5 0.0 278.6
 98 63.6 0.0 130.4



#28
 Bromochloromethane
 Concen: 10.146 ug/l
 RT: 7.238 min Scan# 905
 Delta R.T. -0.006 min
 Lab File: VY023051.D
 Acq: 12 Aug 2025 15:17

Tgt Ion: 49 Resp: 41820
 Ion Ratio Lower Upper
 49 100
 129 2.2 0.0 4.2
 130 82.8 66.4 99.6

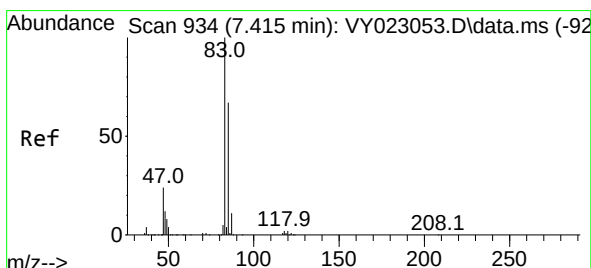
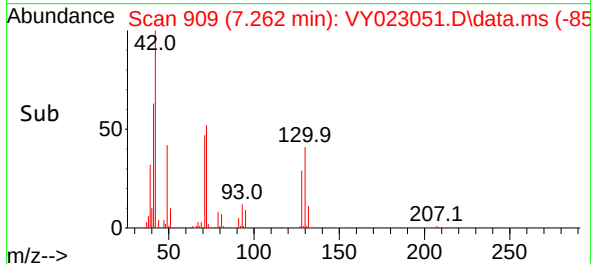
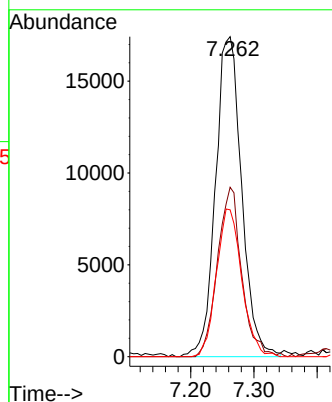
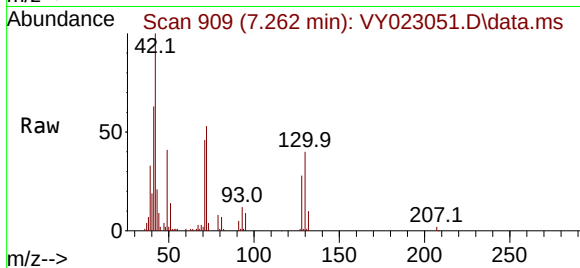




#29
Tetrahydrofuran
Concen: 52.005 ug/l
RT: 7.262 min Scan# 908
Delta R.T. 0.006 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

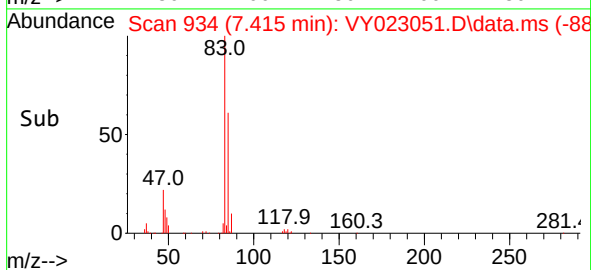
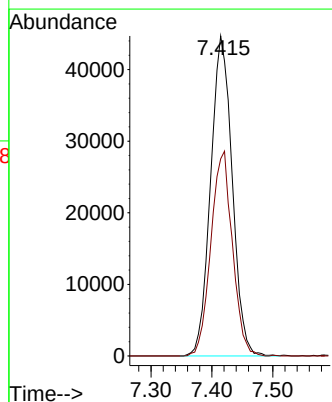
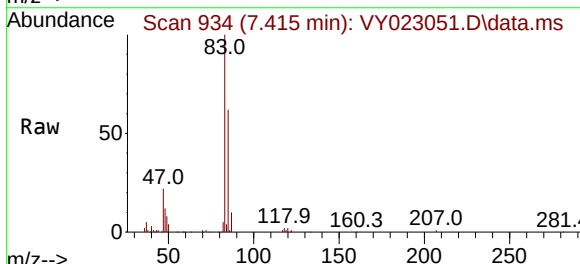
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

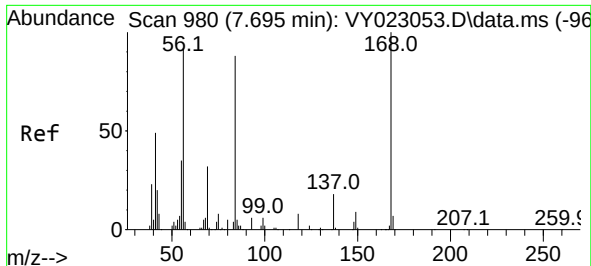
Tgt Ion: 42 Resp: 49926
Ion Ratio Lower Upper
42 100
72 49.0 39.4 59.2
71 44.8 36.5 54.7



#30
Chloroform
Concen: 10.260 ug/l
RT: 7.415 min Scan# 934
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion: 83 Resp: 109942
Ion Ratio Lower Upper
83 100
85 61.6 53.8 80.8

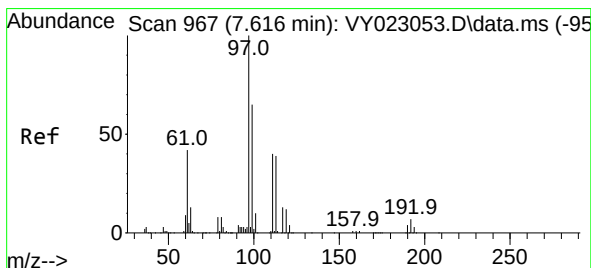
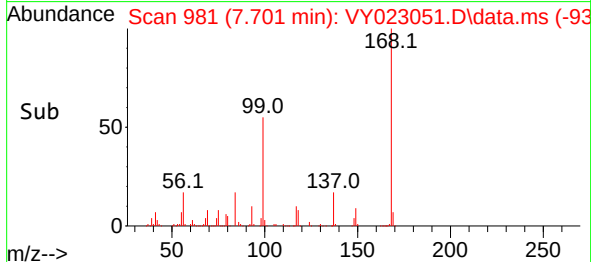
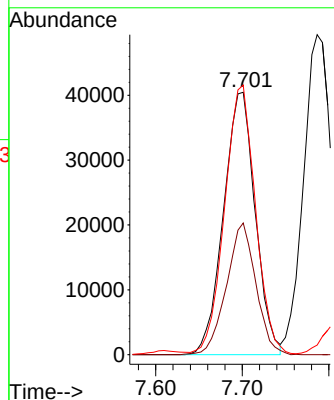
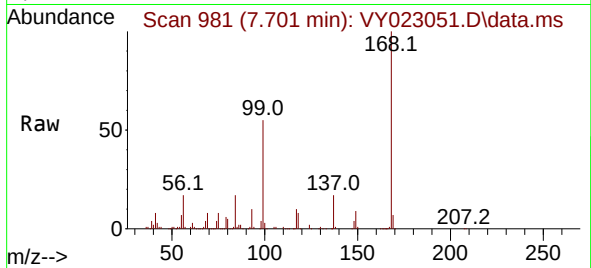




#31
Cyclohexane
Concen: 10.527 ug/l
RT: 7.701 min Scan# 980
Delta R.T. 0.006 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

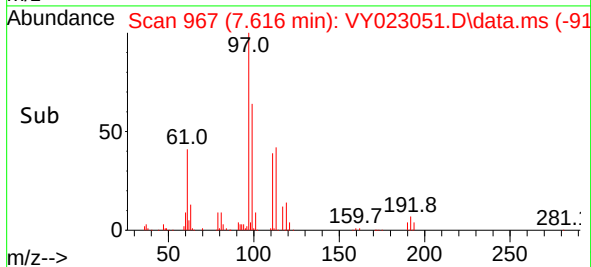
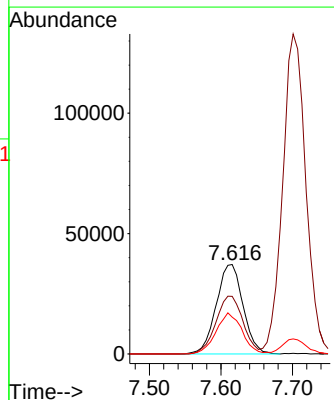
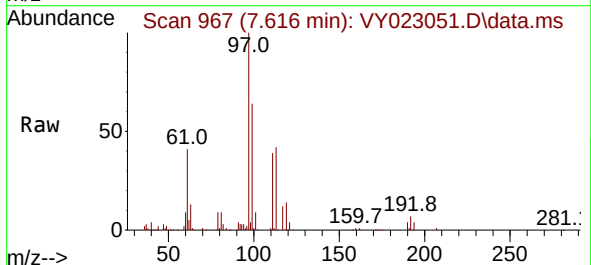
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

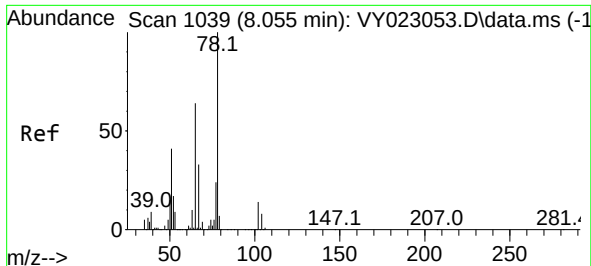
Tgt Ion: 56 Resp: 103068
Ion Ratio Lower Upper
56 100
69 50.2 28.2 42.2#
84 101.8 76.6 114.8



#32
1,1,1-Trichloroethane
Concen: 10.170 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion: 97 Resp: 96693
Ion Ratio Lower Upper
97 100
99 65.2 51.6 77.4
61 44.2 34.2 51.2





#33

1,2-Dichloroethane-d4

Concen: 10.274 ug/l

RT: 8.061 min Scan# 110

Delta R.T. 0.006 min

Lab File: VY023051.D

Acq: 12 Aug 2025 15:17

Instrument :

MSVOA_Y

ClientSampleId :

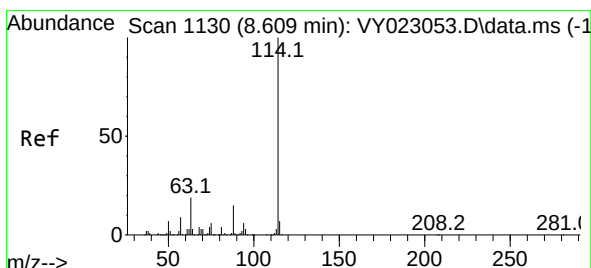
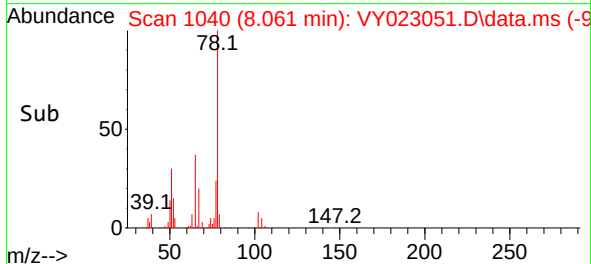
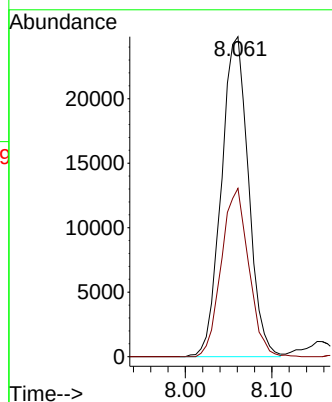
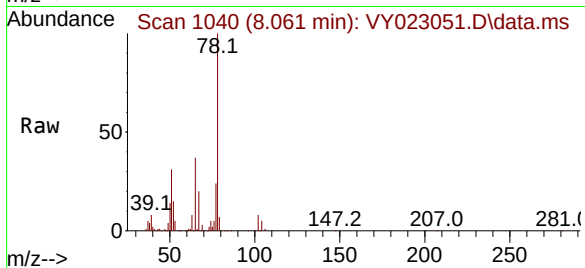
VSTDIC010

Tgt Ion: 65 Resp: 54002

Ion Ratio Lower Upper

65 100

67 53.0 0.0 106.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.609 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VY023051.D

Acq: 12 Aug 2025 15:17

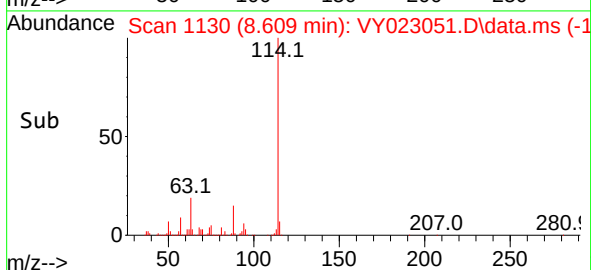
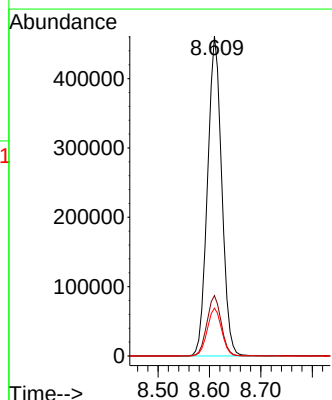
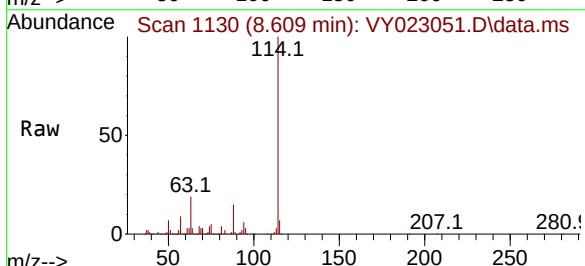
Tgt Ion: 114 Resp: 883548

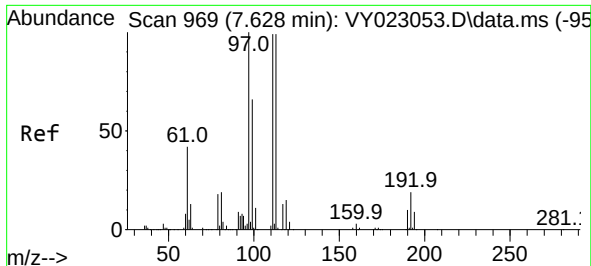
Ion Ratio Lower Upper

114 100

63 18.9 0.0 38.4

88 14.9 0.0 30.0

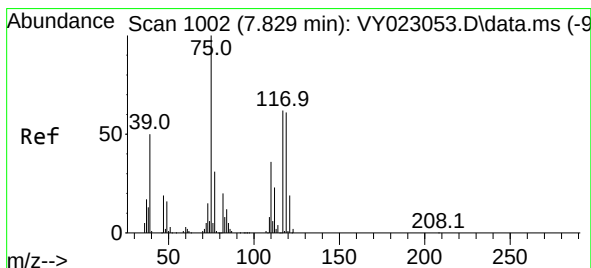
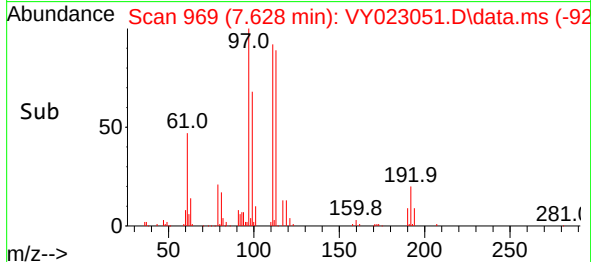
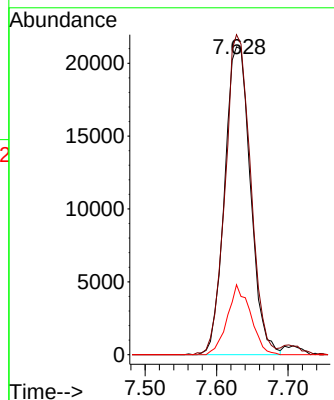
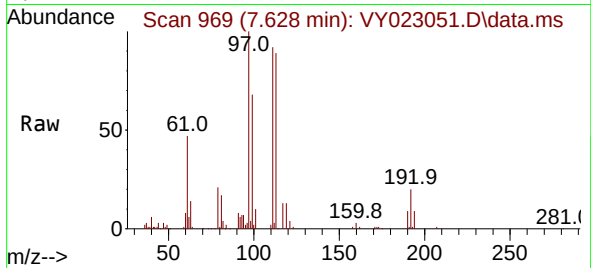




#35
Dibromofluoromethane
Concen: 10.009 ug/l
RT: 7.628 min Scan# 969
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

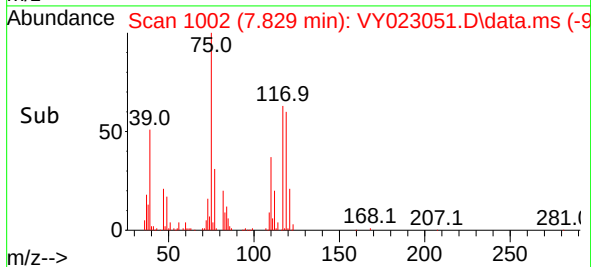
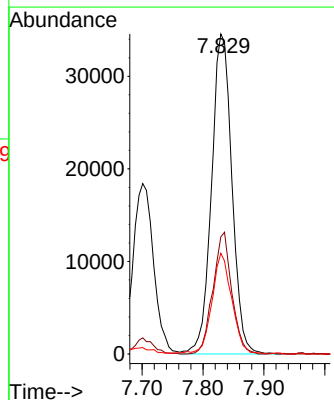
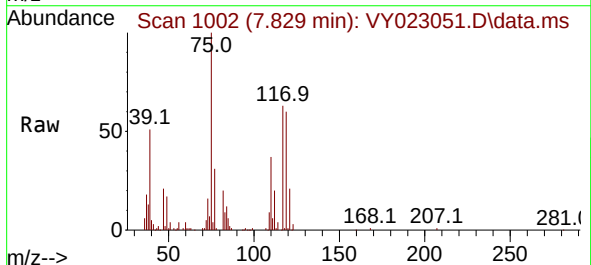
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

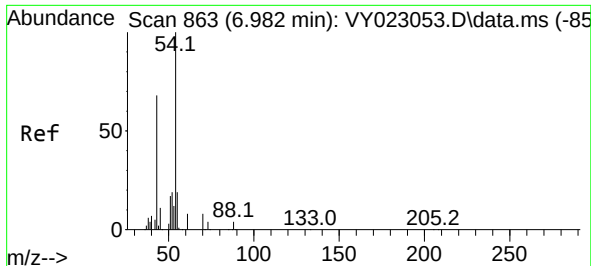
Tgt Ion:113 Resp: 52916
Ion Ratio Lower Upper
113 100
111 102.1 81.1 121.7
192 20.5 16.2 24.4



#36
1,1-Dichloropropene
Concen: 10.243 ug/l
RT: 7.829 min Scan# 1002
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion: 75 Resp: 80479
Ion Ratio Lower Upper
75 100
110 35.2 18.1 54.4
77 30.7 24.6 37.0





#37

Ethyl Acetate

Concen: 10.560 ug/l

RT: 6.982 min Scan# 80

Delta R.T. 0.000 min

Lab File: VY023051.D

Acq: 12 Aug 2025 15:17

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

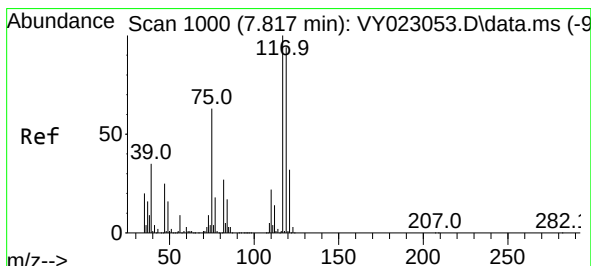
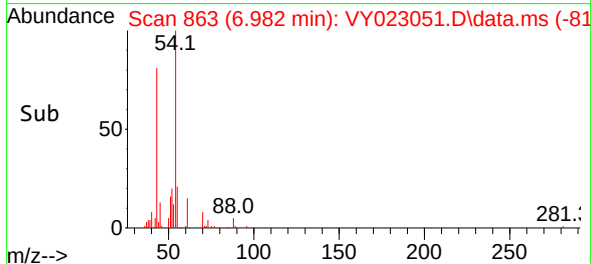
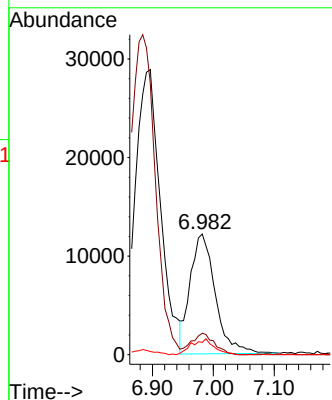
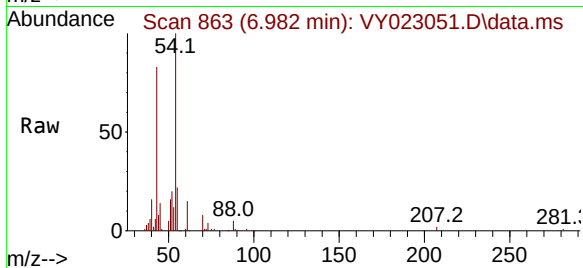
Tgt Ion: 43 Resp: 34854

Ion Ratio Lower Upper

43 100

61 16.5 11.9 17.9

70 11.7 8.8 13.2



#38

Carbon Tetrachloride

Concen: 10.070 ug/l

RT: 7.811 min Scan# 999

Delta R.T. -0.006 min

Lab File: VY023051.D

Acq: 12 Aug 2025 15:17

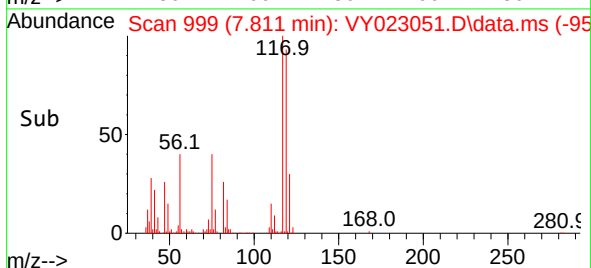
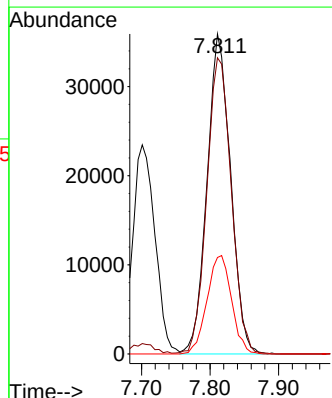
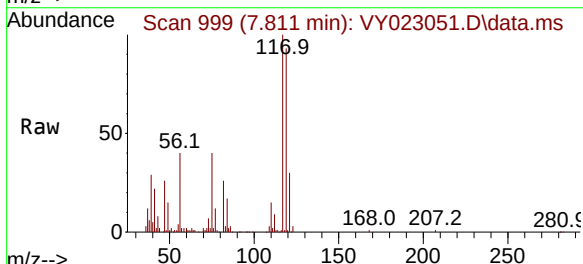
Tgt Ion: 117 Resp: 85932

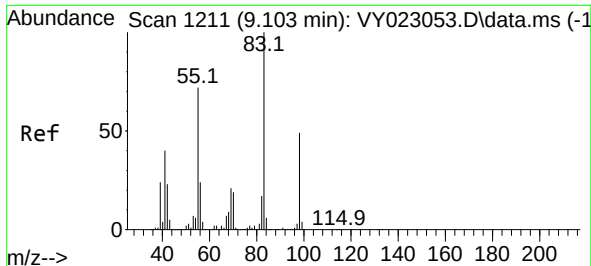
Ion Ratio Lower Upper

117 100

119 92.5 75.6 113.4

121 30.1 25.8 38.8

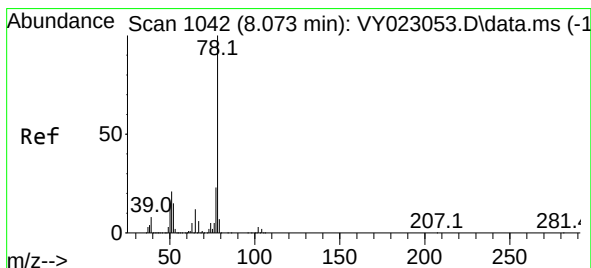
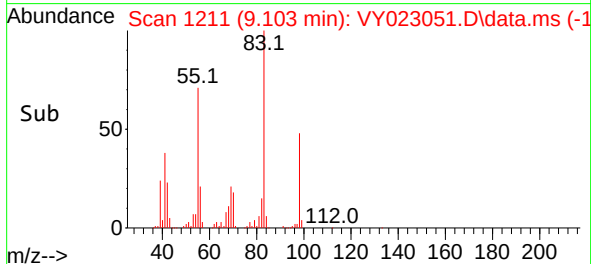
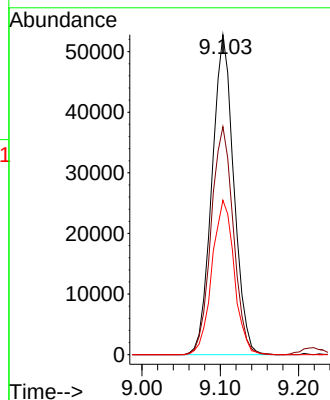
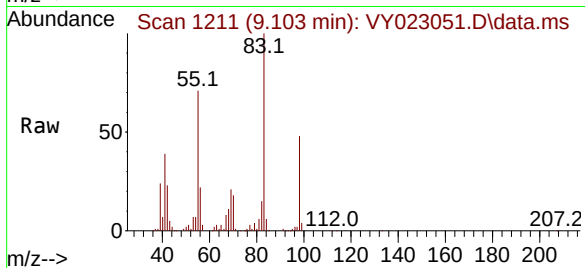




#39
Methylcyclohexane
Concen: 9.885 ug/l
RT: 9.103 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

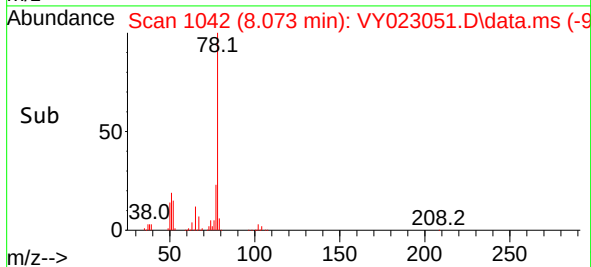
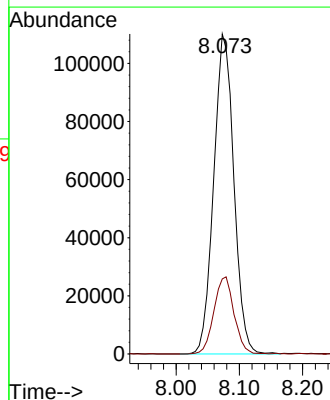
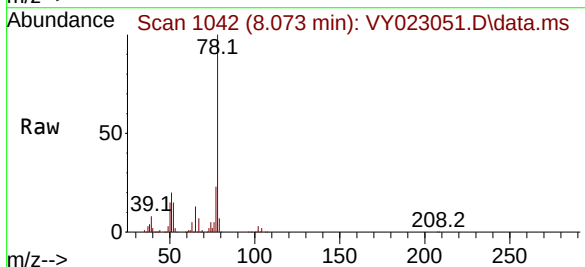
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

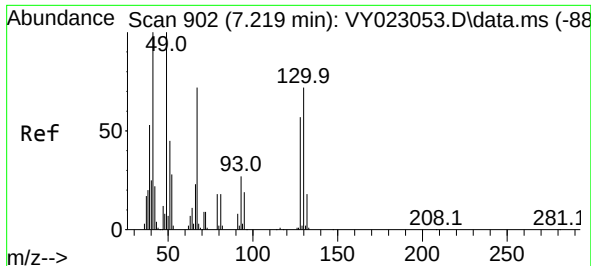
Tgt Ion: 83 Resp: 102275
Ion Ratio Lower Upper
83 100
55 71.3 57.6 86.4
98 48.2 39.2 58.8



#40
Benzene
Concen: 10.037 ug/l
RT: 8.073 min Scan# 1042
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion: 78 Resp: 243060
Ion Ratio Lower Upper
78 100
77 23.4 18.6 28.0

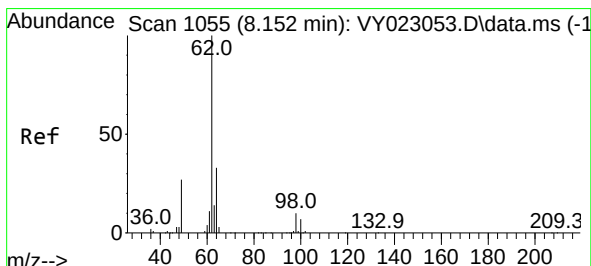
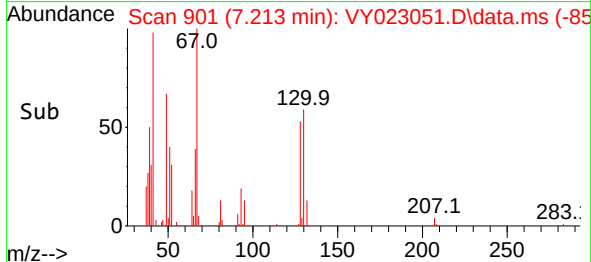
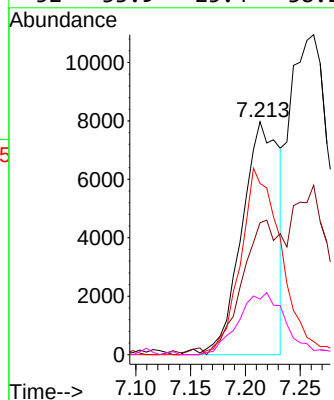
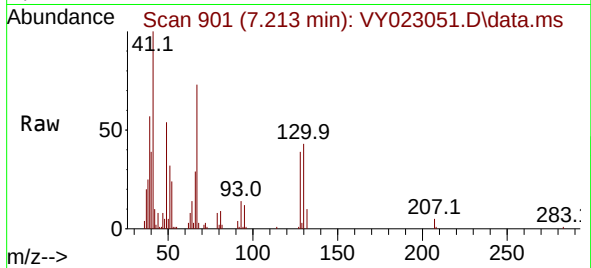




#41
Methacrylonitrile
Concen: 9.872 ug/l
RT: 7.213 min Scan# 901
Delta R.T. -0.006 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

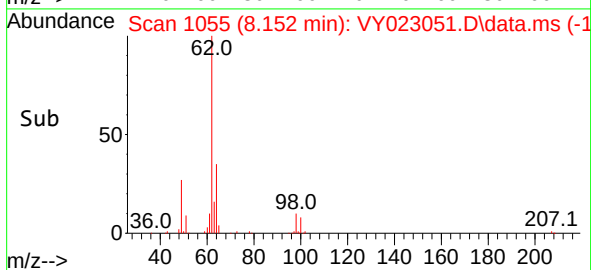
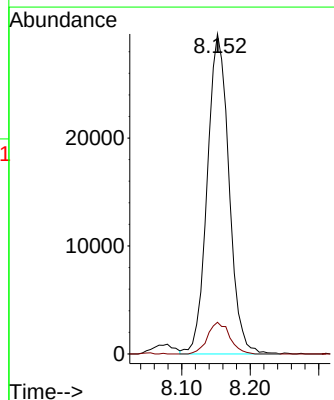
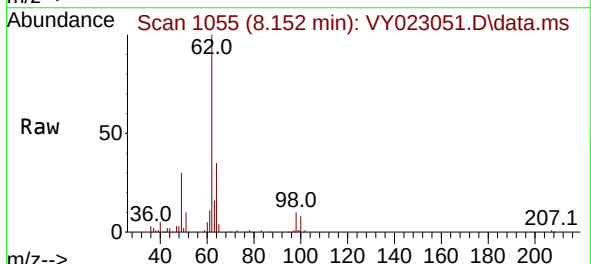
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

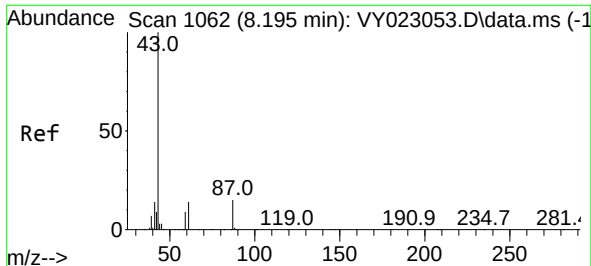
Tgt Ion:	41	Resp:	18825
Ion	Ratio	Lower	Upper
41	100		
39	66.1	43.4	65.2#
67	88.6	63.6	95.4
52	33.9	25.4	38.2



#42
1,2-Dichloroethane
Concen: 10.376 ug/l
RT: 8.152 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion:	62	Resp:	65350
Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	20.6

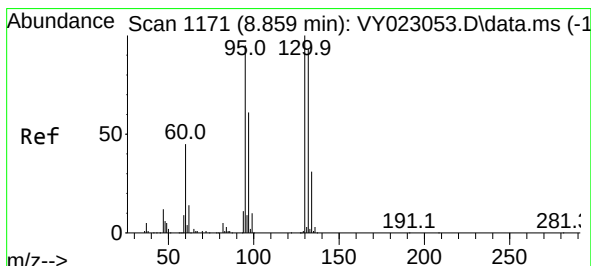
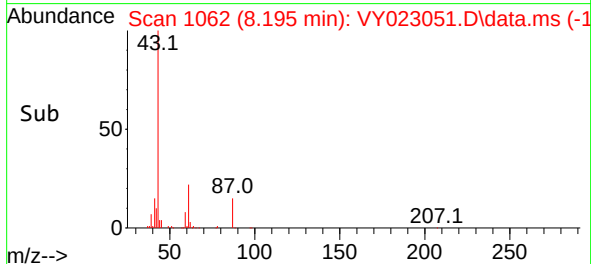
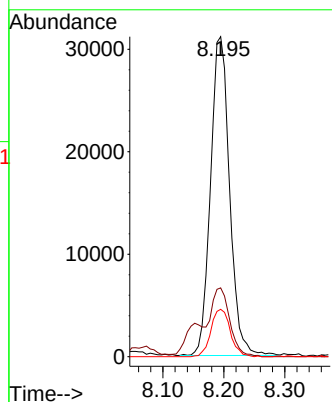
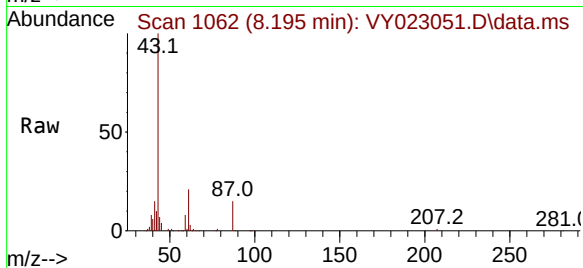




#43
Isopropyl Acetate
Concen: 10.144 ug/l
RT: 8.195 min Scan# 1062
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

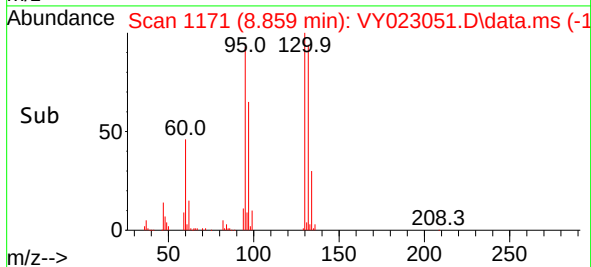
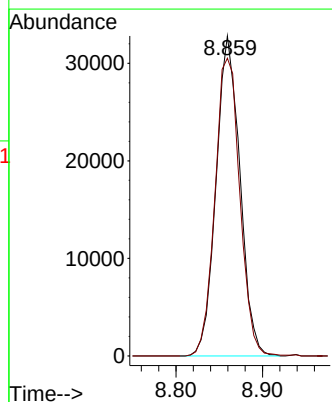
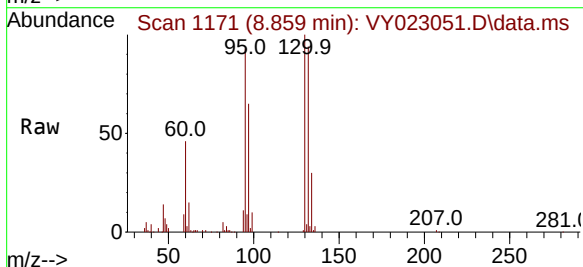
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

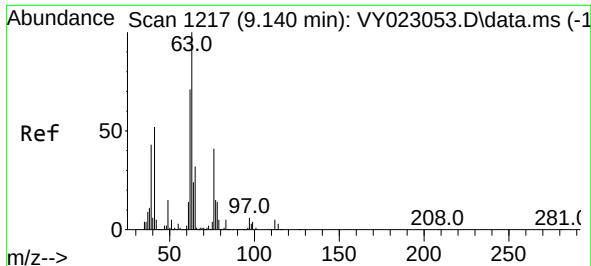
Tgt Ion: 43	Resp: 67669
Ion Ratio	Lower Upper
43 100	
61 20.8	16.4 24.6
87 15.2	11.8 17.6



#44
Trichloroethene
Concen: 10.017 ug/l
RT: 8.859 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion:130	Resp:	62689	
Ion	Ratio	Lower	Upper
130	100		
95	93.0	0.0	190.2





#45

1,2-Dichloropropane

Concen: 10.179 ug/l

RT: 9.134 min Scan# 1216

Delta R.T. -0.006 min

Lab File: VY023051.D

Acq: 12 Aug 2025 15:17

Instrument :

MSVOA_Y

ClientSampleId :

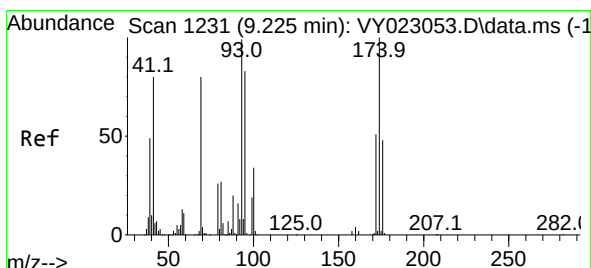
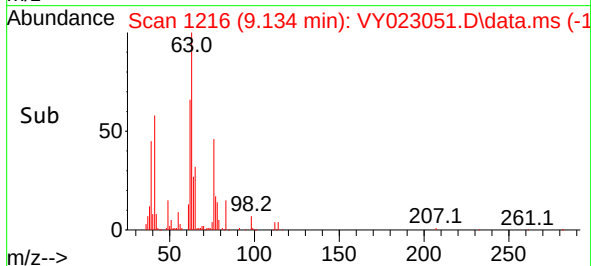
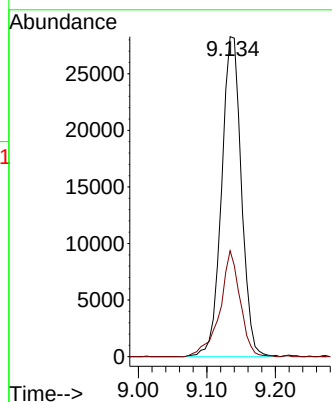
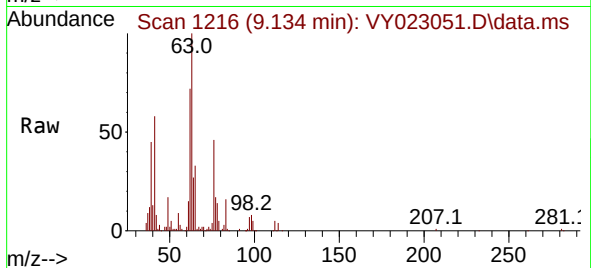
VSTDIC010

Tgt Ion: 63 Resp: 56720

Ion Ratio Lower Upper

63 100

65 33.1 25.3 37.9



#46

Dibromomethane

Concen: 10.462 ug/l

RT: 9.225 min Scan# 1231

Delta R.T. 0.000 min

Lab File: VY023051.D

Acq: 12 Aug 2025 15:17

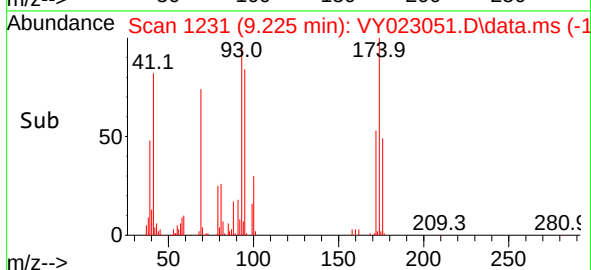
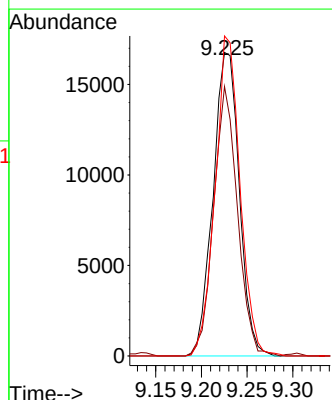
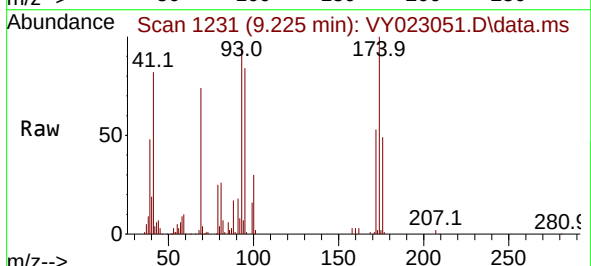
Tgt Ion: 93 Resp: 33460

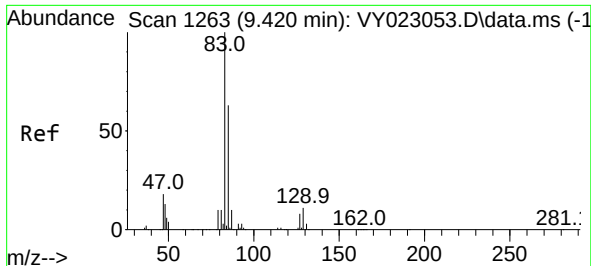
Ion Ratio Lower Upper

93 100

95 80.9 66.5 99.7

174 100.0 81.8 122.8

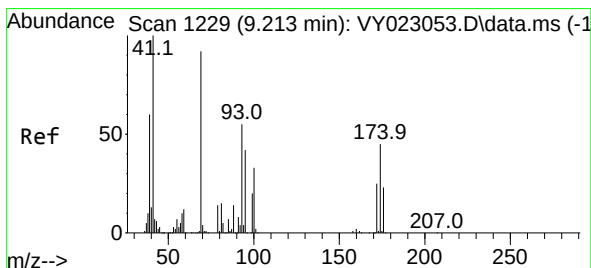
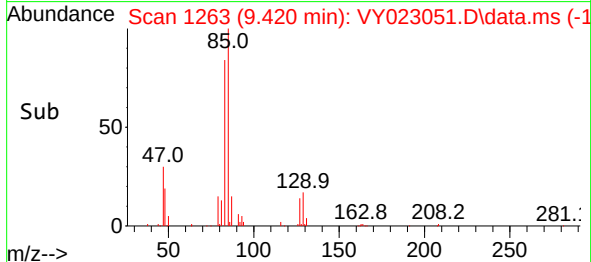
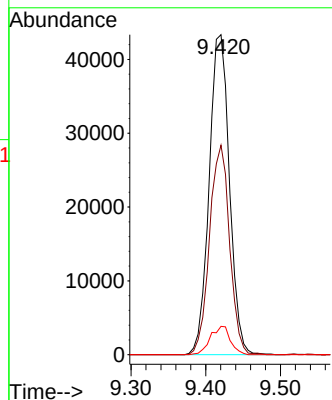
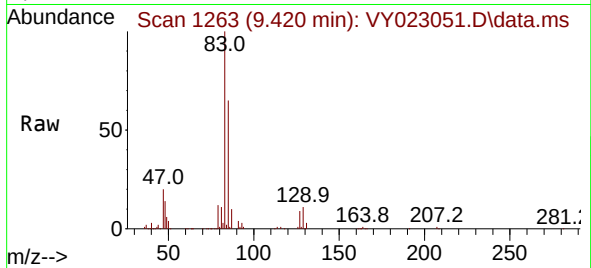




#47
Bromodichloromethane
Concen: 9.959 ug/l
RT: 9.420 min Scan# 1263
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

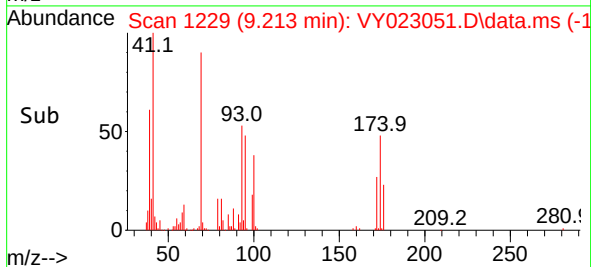
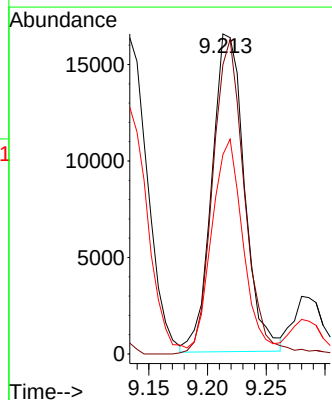
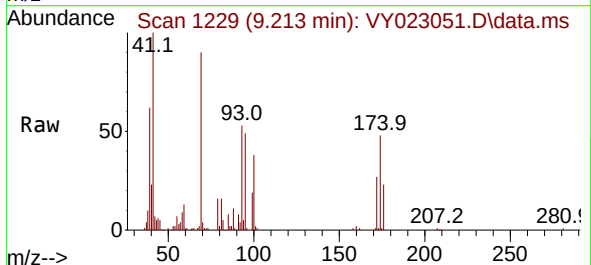
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

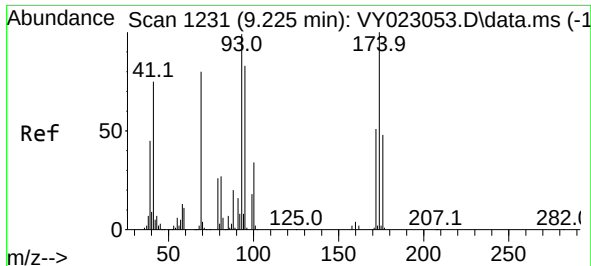
Tgt Ion: 83 Resp: 81951
Ion Ratio Lower Upper
83 100
85 65.5 50.2 75.4
127 8.8 6.6 10.0



#48
Methyl methacrylate
Concen: 9.978 ug/l
RT: 9.213 min Scan# 1229
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion: 41 Resp: 31851
Ion Ratio Lower Upper
41 100
69 96.0 73.2 109.8
39 60.9 47.0 70.4





#49

1,4-Dioxane

Concen: 205.471 ug/l

RT: 9.231 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023051.D

Acq: 12 Aug 2025 15:17

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC010

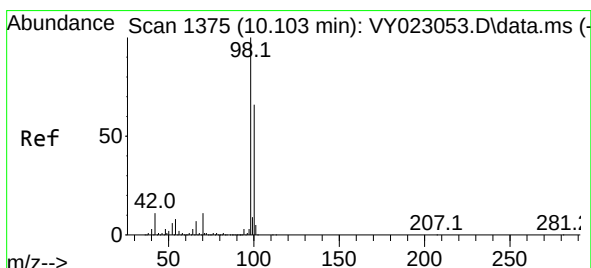
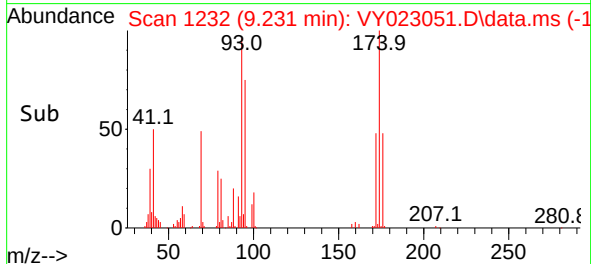
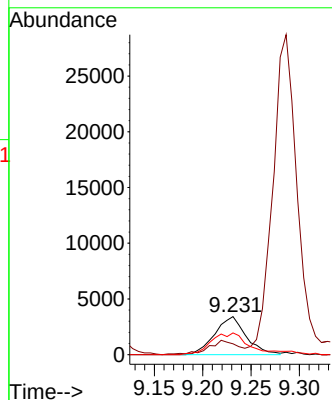
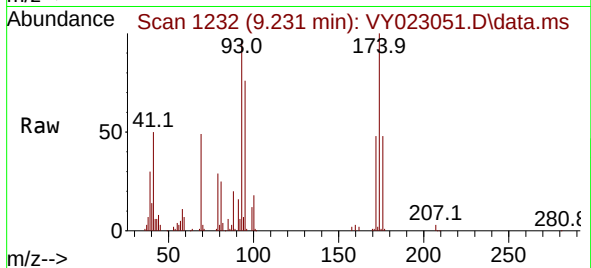
Tgt Ion: 88 Resp: 7705

Ion Ratio Lower Upper

88 100

43 35.3 24.3 36.5

58 73.3 55.4 83.0



#50

Toluene-d8

Concen: 9.903 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. 0.000 min

Lab File: VY023051.D

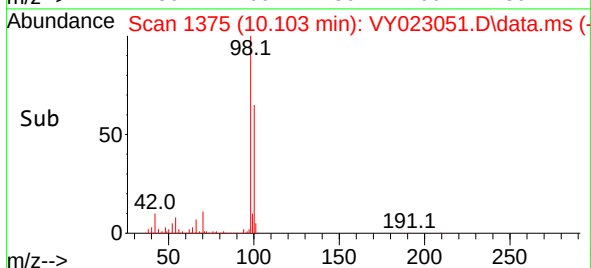
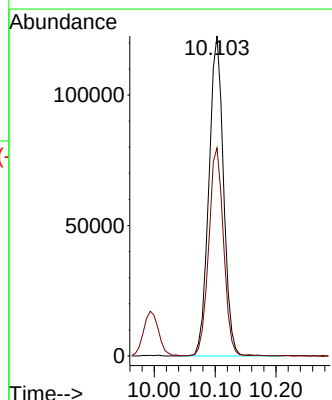
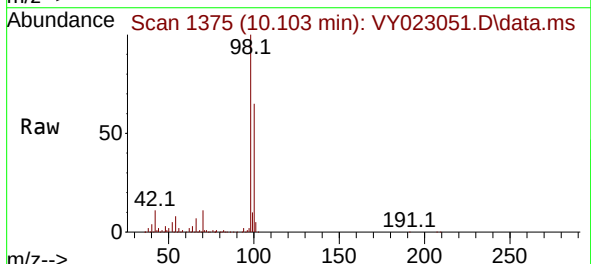
Acq: 12 Aug 2025 15:17

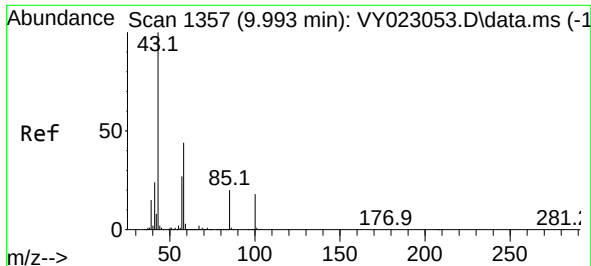
Tgt Ion: 98 Resp: 204532

Ion Ratio Lower Upper

98 100

100 65.2 52.3 78.5

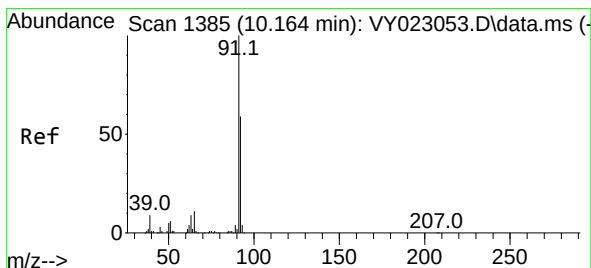
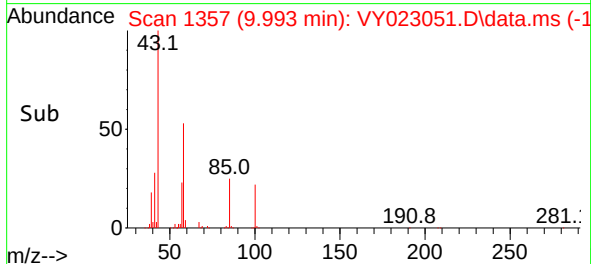
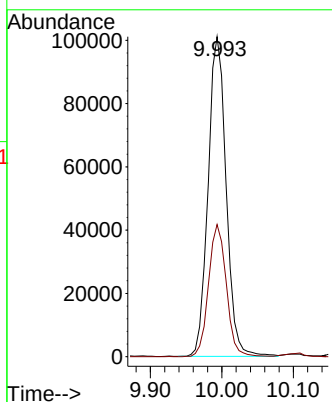
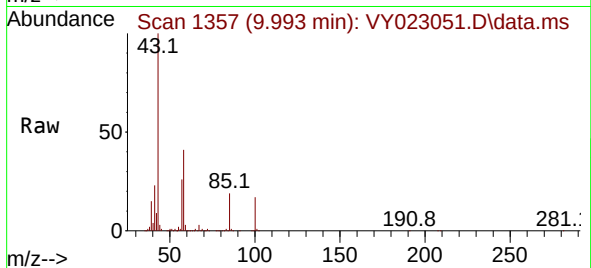




#51
4-Methyl-2-Pentanone
Concen: 51.484 ug/l
RT: 9.993 min Scan# 1357
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

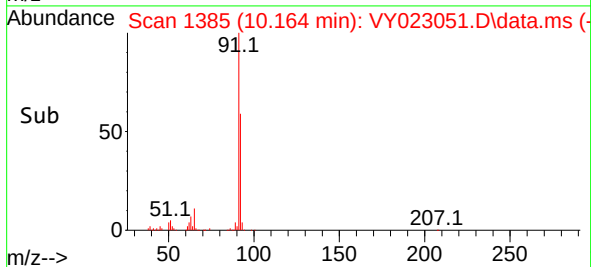
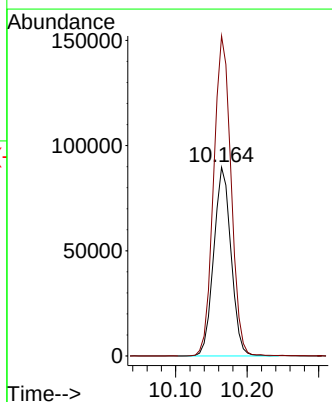
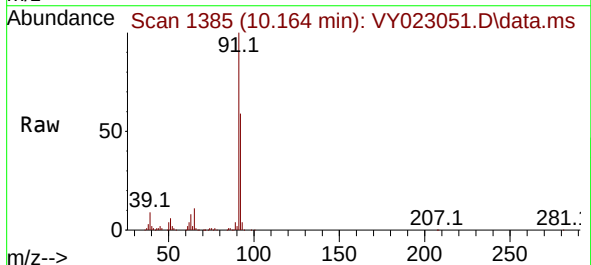
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

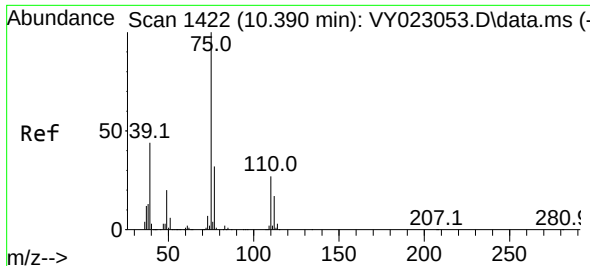
Tgt Ion: 43 Resp: 177157
Ion Ratio Lower Upper
43 100
58 40.7 33.5 50.3



#52
Toluene
Concen: 9.780 ug/l
RT: 10.164 min Scan# 1385
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion: 92 Resp: 150422
Ion Ratio Lower Upper
92 100
91 171.3 136.4 204.6

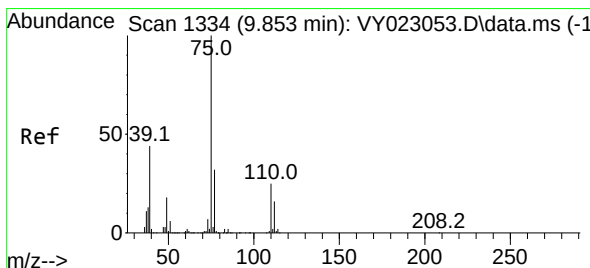
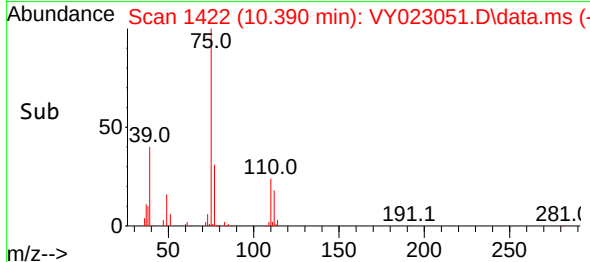
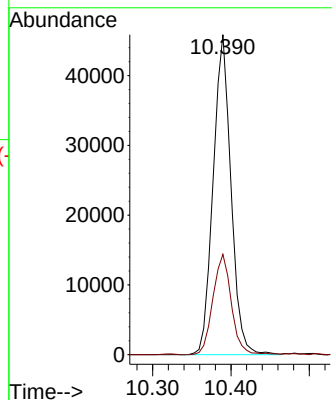
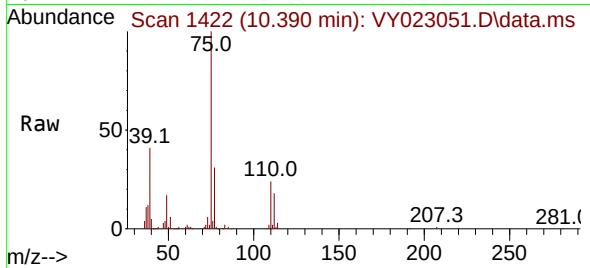




#53
t-1,3-Dichloropropene
Concen: 9.730 ug/l
RT: 10.390 min Scan# 1422
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

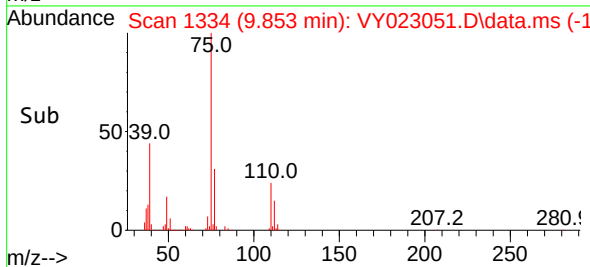
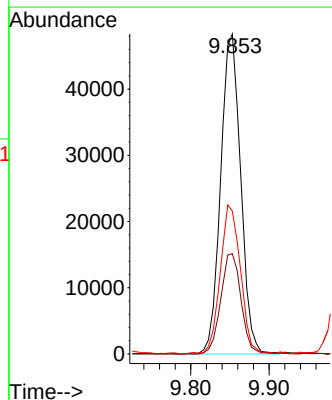
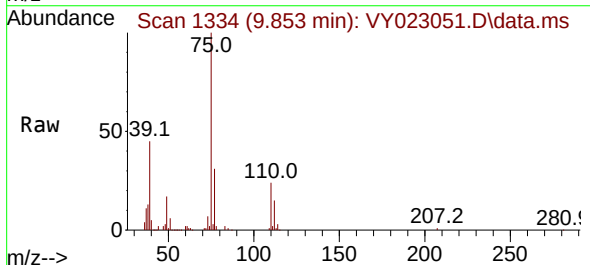
Instrument : MSVOA_Y
ClientSampleId : VSTDIC010

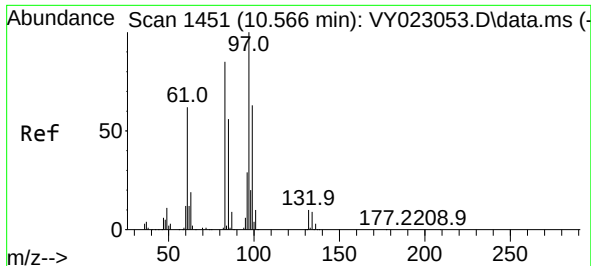
Tgt Ion: 75 Resp: 72507
Ion Ratio Lower Upper
75 100
77 31.4 25.7 38.5



#54
cis-1,3-Dichloropropene
Concen: 9.753 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion: 75 Resp: 85945
Ion Ratio Lower Upper
75 100
77 31.4 25.4 38.0
39 44.6 35.6 53.4

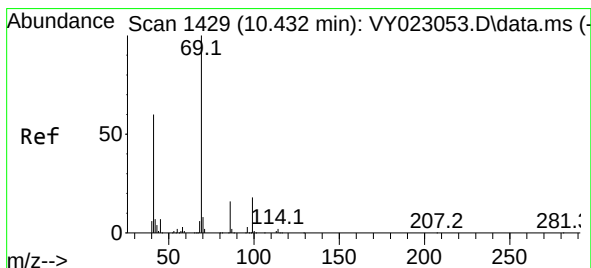
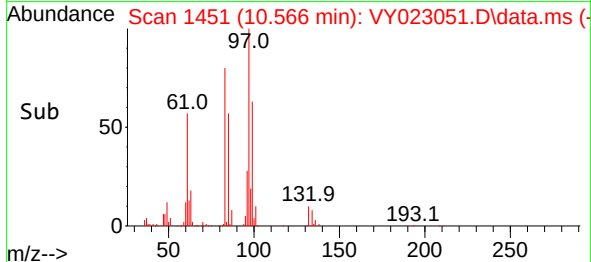
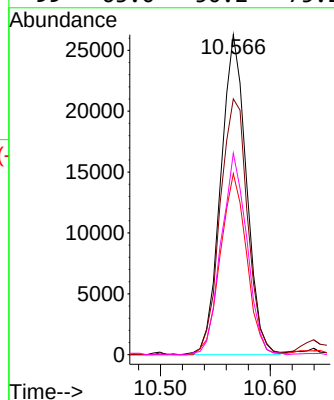
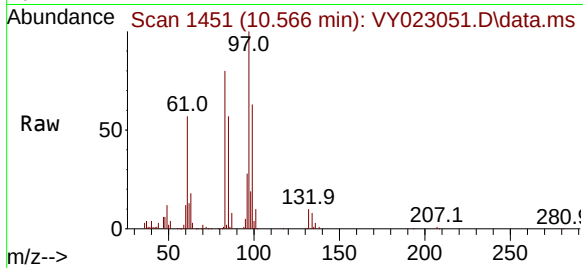




#55
1,1,2-Trichloroethane
Concen: 9.981 ug/l
RT: 10.566 min Scan# 1451
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

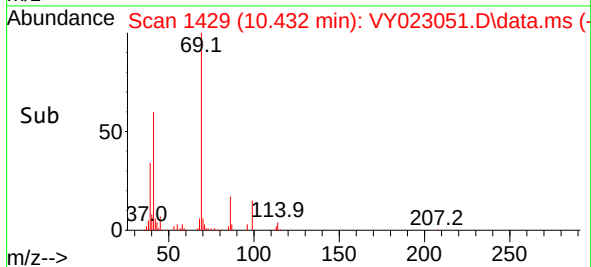
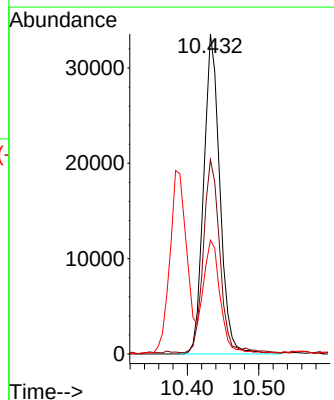
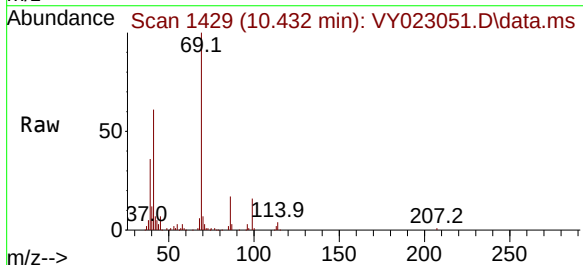
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

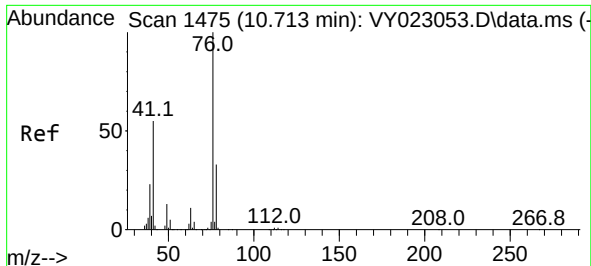
Tgt Ion:	97	Resp:	42712
Ion	Ratio	Lower	Upper
97	100		
83	79.9	67.7	101.5
85	56.6	44.5	66.7
99	63.0	50.2	75.2



#56
Ethyl methacrylate
Concen: 9.632 ug/l
RT: 10.432 min Scan# 1429
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion:	69	Resp:	52746
Ion	Ratio	Lower	Upper
69	100		
41	61.0	48.6	72.8
39	35.9	27.0	40.4





#57

1,3-Dichloropropane

Concen: 10.256 ug/l

RT: 10.713 min Scan# 1475

Delta R.T. 0.000 min

Lab File: VY023051.D

Acq: 12 Aug 2025 15:17

Instrument :

MSVOA_Y

ClientSampleId :

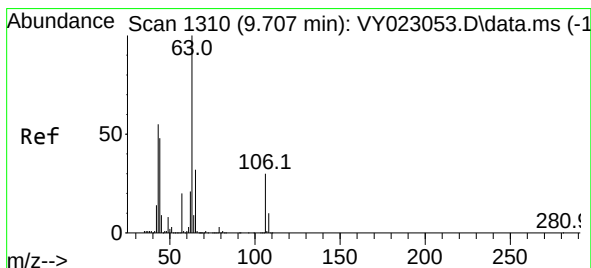
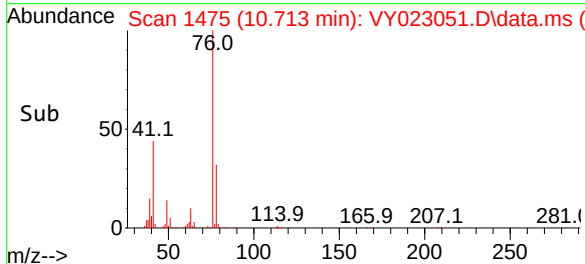
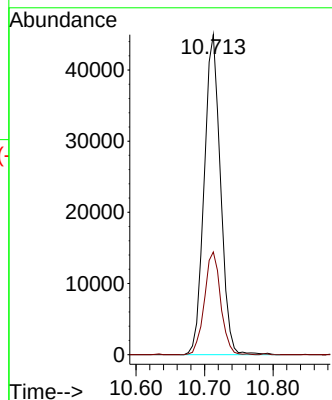
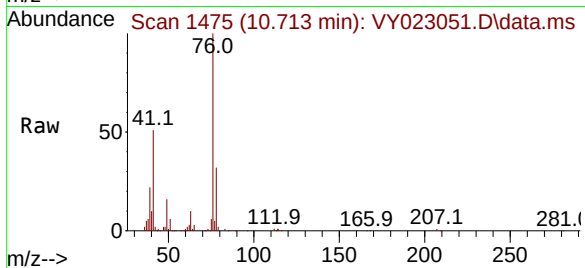
VSTDICC010

Tgt Ion: 76 Resp: 74433

Ion Ratio Lower Upper

76 100

78 32.0 26.0 39.0



#58

2-Chloroethyl Vinyl ether

Concen: 46.232 ug/l

RT: 9.707 min Scan# 1310

Delta R.T. 0.000 min

Lab File: VY023051.D

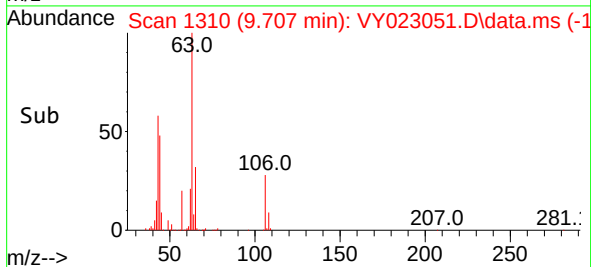
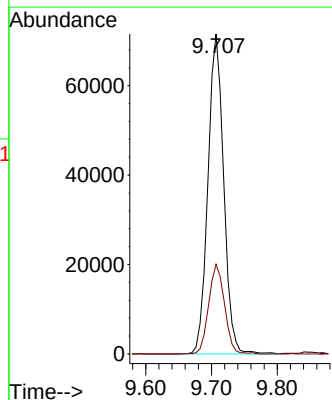
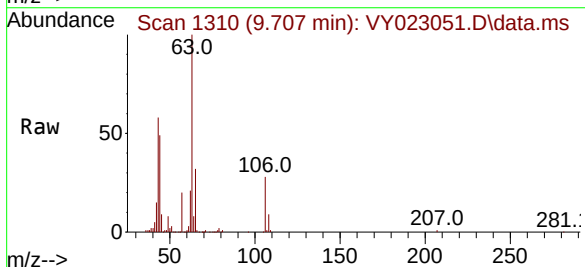
Acq: 12 Aug 2025 15:17

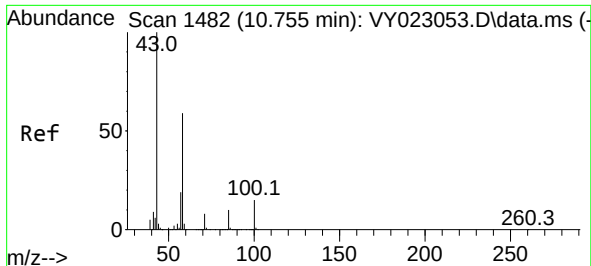
Tgt Ion: 63 Resp: 119417

Ion Ratio Lower Upper

63 100

106 28.2 23.2 34.8





#59

2-Hexanone

Concen: 50.553 ug/l

RT: 10.755 min Scan# 1482

Delta R.T. 0.000 min

Lab File: VY023051.D

Acq: 12 Aug 2025 15:17

Instrument :

MSVOA_Y

ClientSampleId :

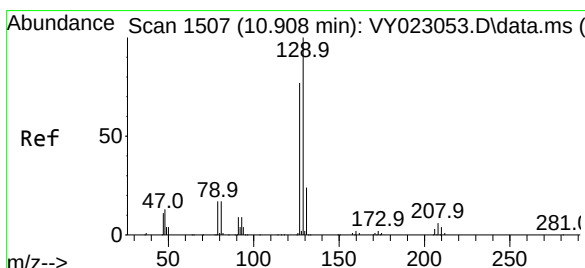
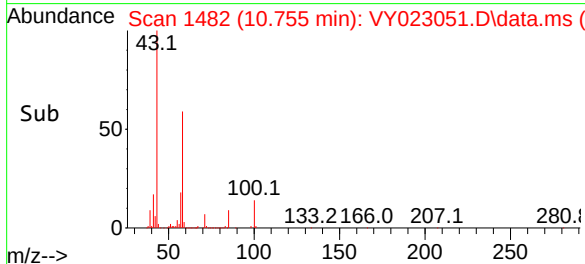
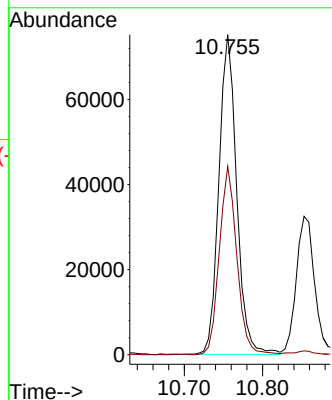
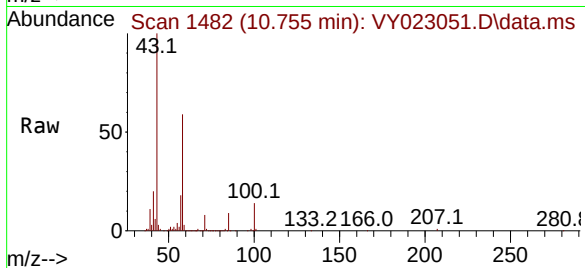
VSTDIC010

Tgt Ion: 43 Resp: 118452

Ion Ratio Lower Upper

43 100

58 58.3 29.5 88.5



#60

Dibromochloromethane

Concen: 9.925 ug/l

RT: 10.902 min Scan# 1506

Delta R.T. -0.006 min

Lab File: VY023051.D

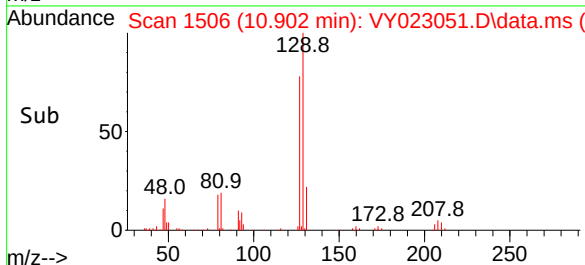
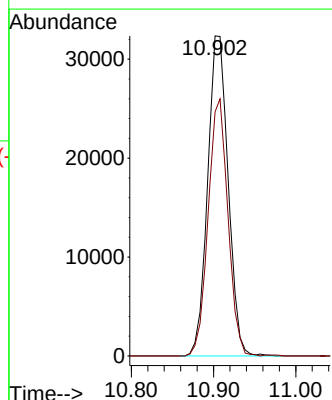
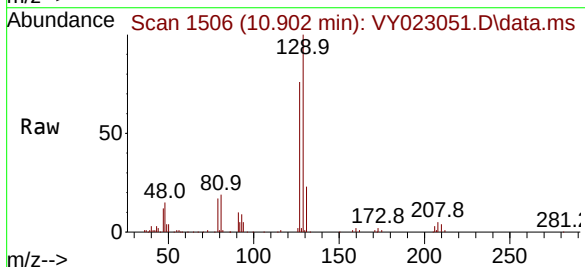
Acq: 12 Aug 2025 15:17

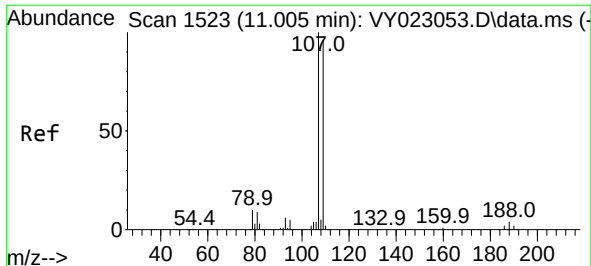
Tgt Ion: 129 Resp: 56045

Ion Ratio Lower Upper

129 100

127 77.5 38.5 115.5

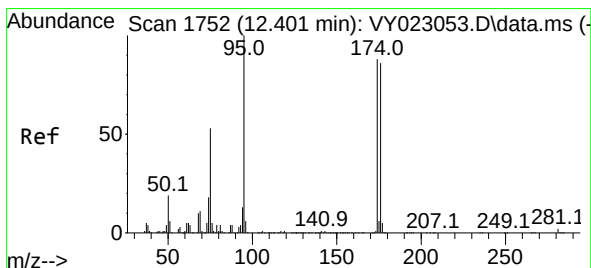
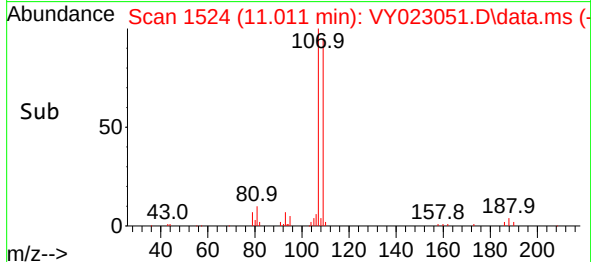
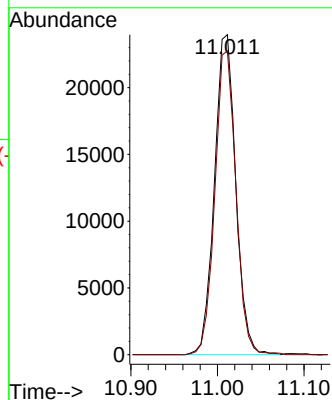
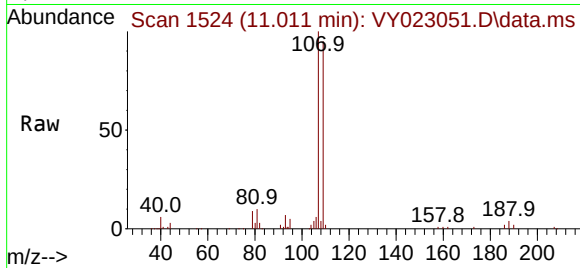




#61
1,2-Dibromoethane
Concen: 10.196 ug/l
RT: 11.011 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

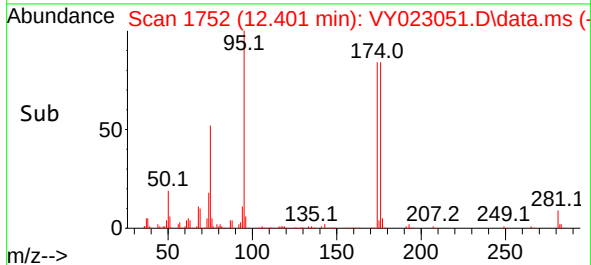
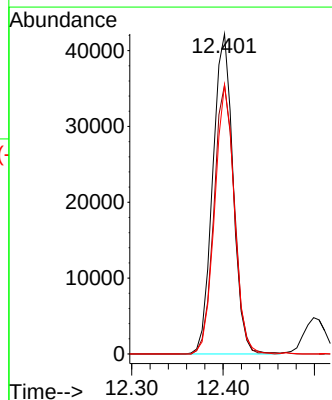
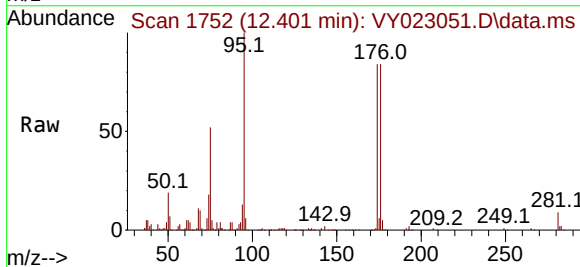
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

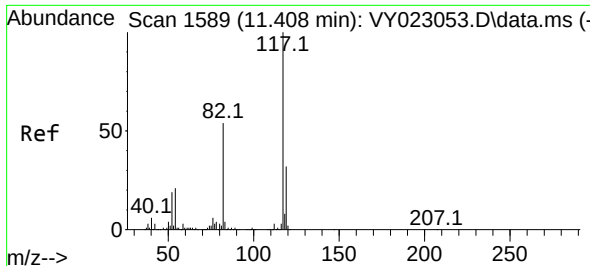
Tgt Ion:107 Resp: 41009
Ion Ratio Lower Upper
107 100
109 93.8 75.6 113.4



#62
4-Bromofluorobenzene
Concen: 9.775 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion: 95 Resp: 64927
Ion Ratio Lower Upper
95 100
174 84.8 0.0 171.6
176 81.7 0.0 167.6

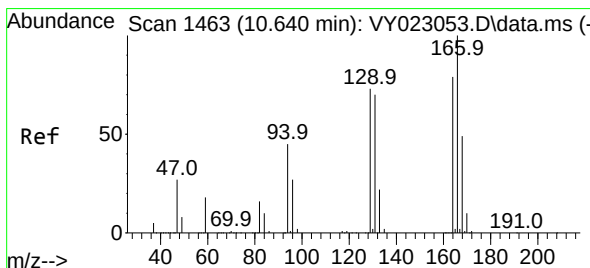
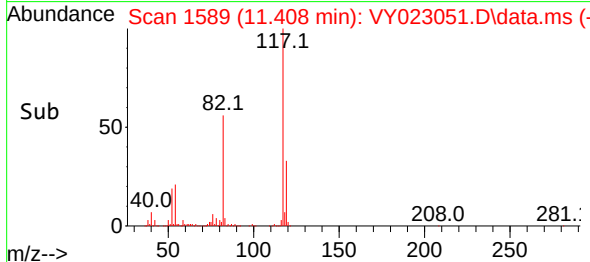
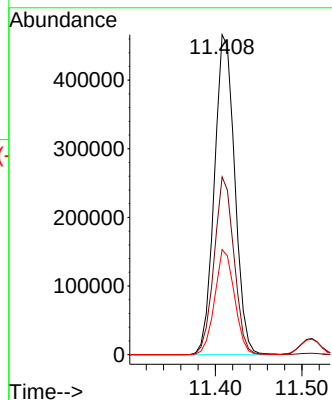
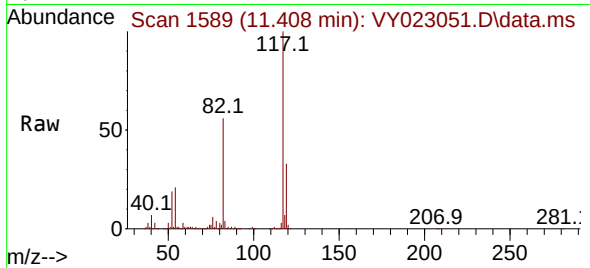




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.408 min Scan# 117
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

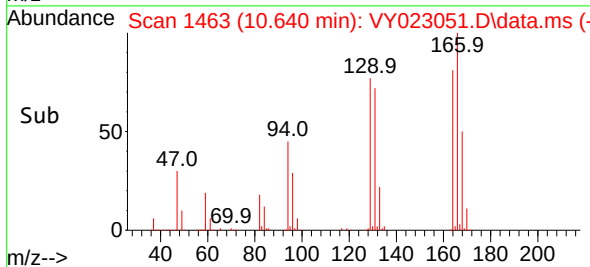
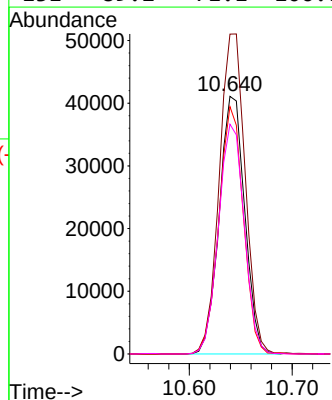
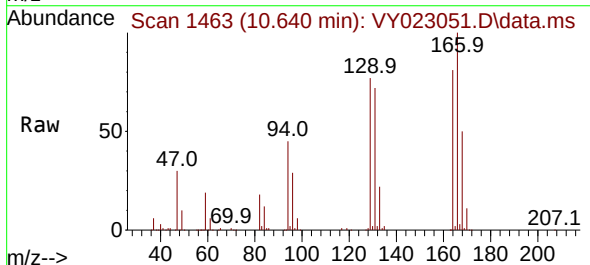
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

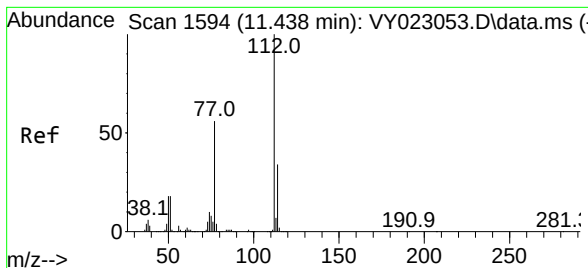
Tgt Ion:	117	Resp:	761327
Ion	Ratio	Lower	Upper
117	100		
82	55.6	43.4	65.0
119	32.8	25.6	38.4



#64
Tetrachloroethene
Concen: 10.371 ug/l
RT: 10.640 min Scan# 1463
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion:	164	Resp:	70502
Ion	Ratio	Lower	Upper
164	100		
166	124.2	101.1	151.7
129	96.0	74.0	111.0
131	89.2	71.1	106.7

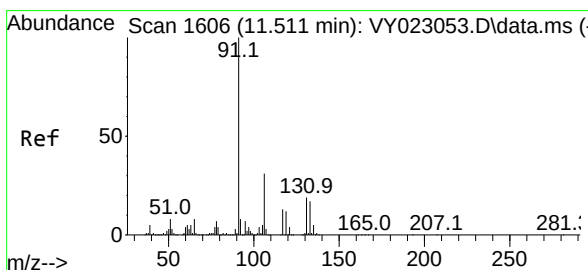
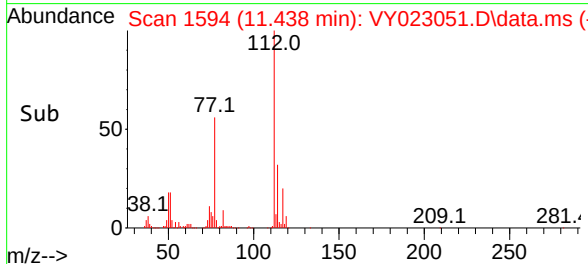
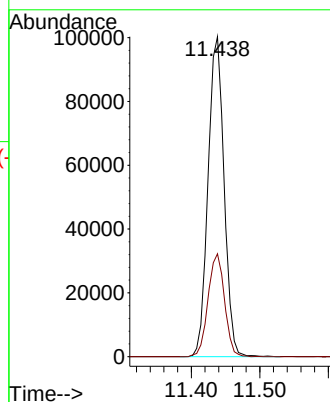
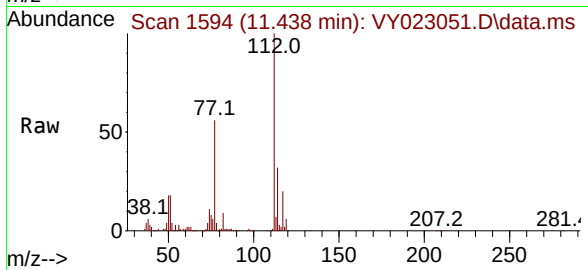




#65
Chlorobenzene
Concen: 9.925 ug/l
RT: 11.438 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

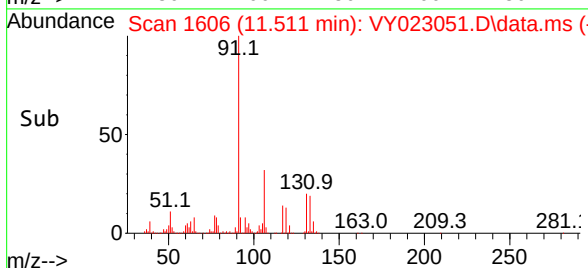
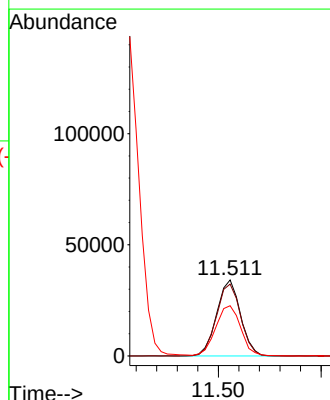
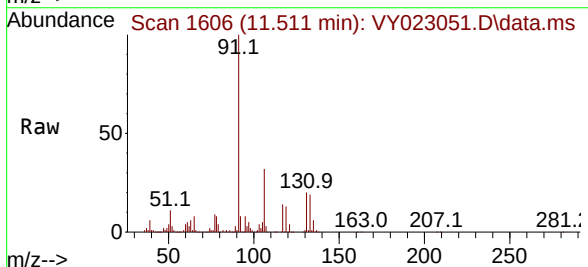
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

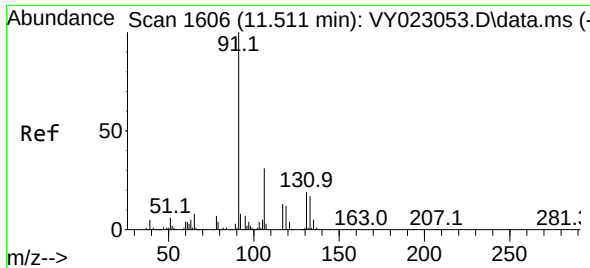
Tgt Ion:112 Resp: 162985
Ion Ratio Lower Upper
112 100
114 32.2 27.0 40.4



#66
1,1,1,2-Tetrachloroethane
Concen: 9.842 ug/l
RT: 11.511 min Scan# 1606
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion:131 Resp: 54856
Ion Ratio Lower Upper
131 100
133 96.5 46.9 140.6
119 69.8 33.2 99.6

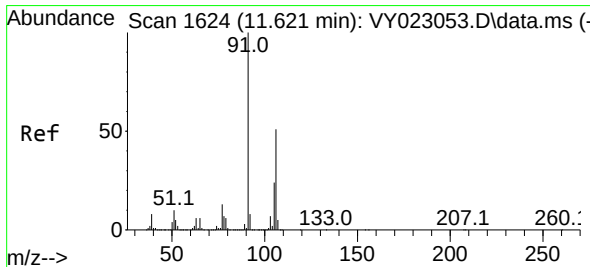
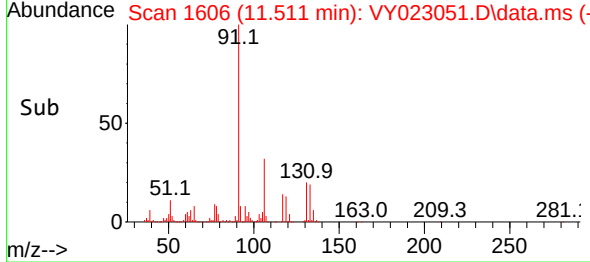
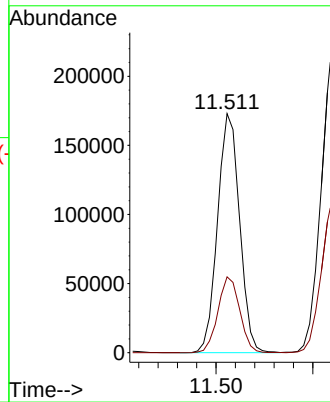
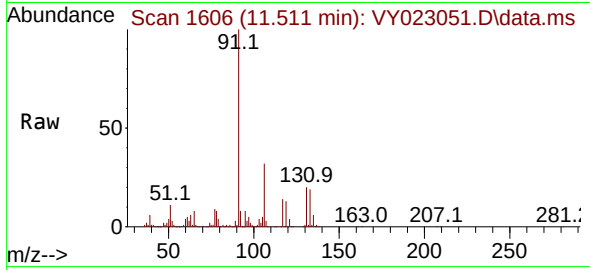




#67
Ethyl Benzene
Concen: 9.670 ug/l
RT: 11.511 min Scan# 1606
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

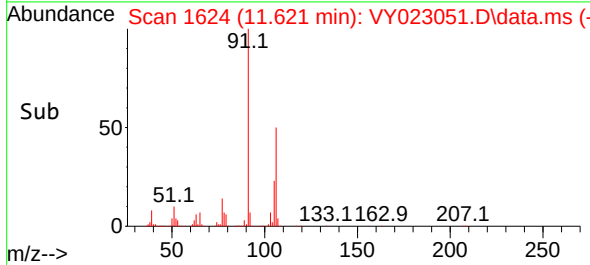
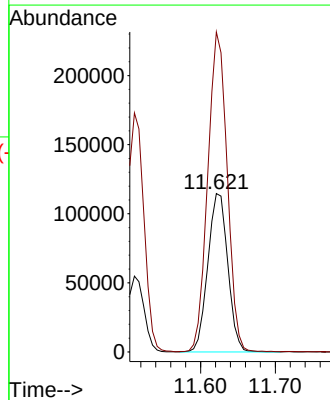
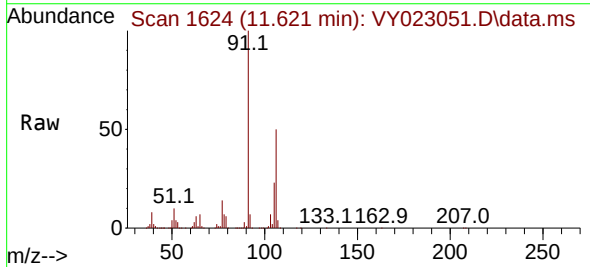
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

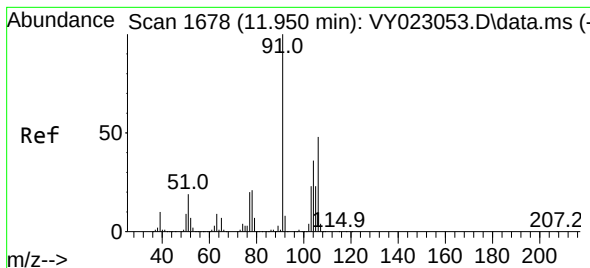
Tgt Ion: 91 Resp: 273281
Ion Ratio Lower Upper
91 100
106 31.8 25.0 37.4



#68
m/p-Xylenes
Concen: 19.277 ug/l
RT: 11.621 min Scan# 1624
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion: 106 Resp: 212766
Ion Ratio Lower Upper
106 100
91 196.5 158.6 238.0

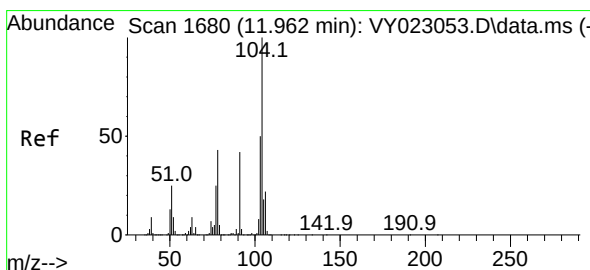
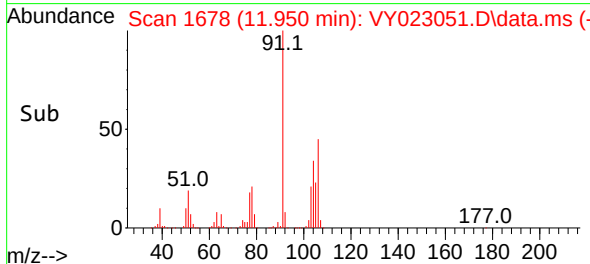
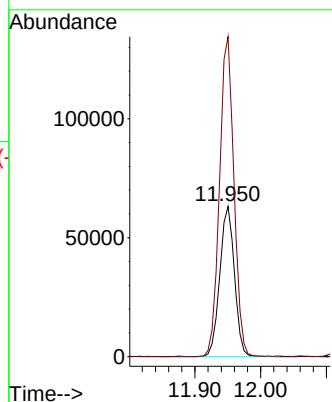
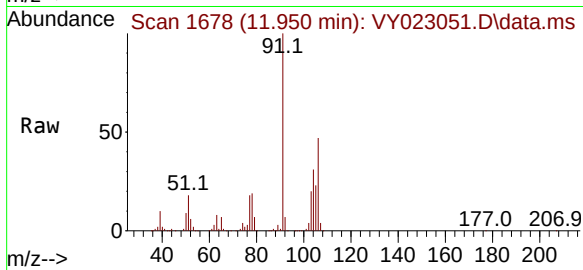




#69
o-Xylene
Concen: 9.465 ug/l
RT: 11.950 min Scan# 1678
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

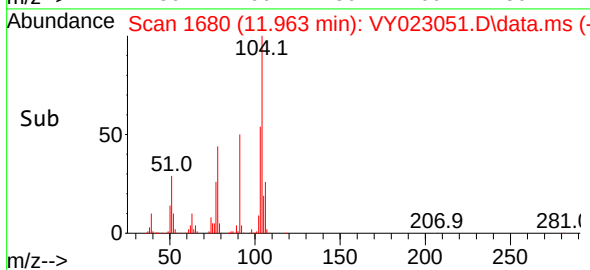
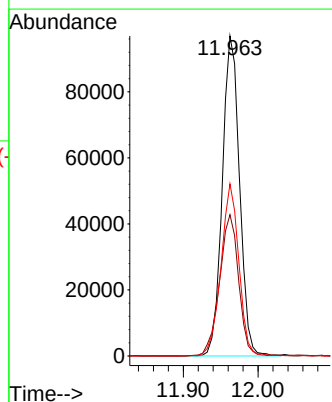
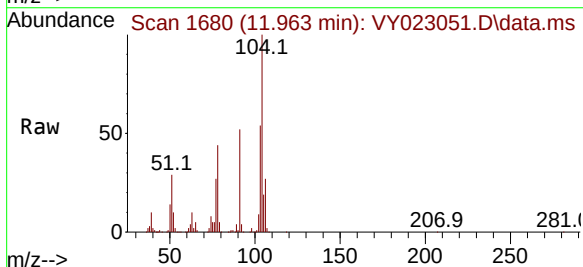
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

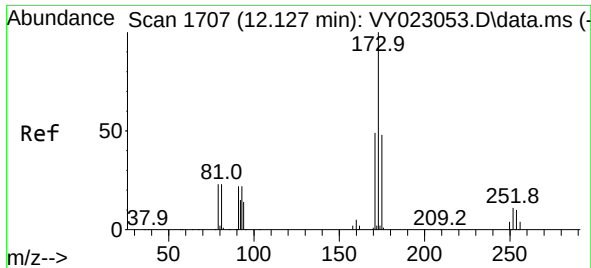
Tgt Ion:106 Resp: 97841
Ion Ratio Lower Upper
106 100
91 210.2 103.2 309.4



#70
Styrene
Concen: 9.216 ug/l
RT: 11.963 min Scan# 1680
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion:104 Resp: 155809
Ion Ratio Lower Upper
104 100
78 48.8 38.5 57.7
103 55.6 43.7 65.5

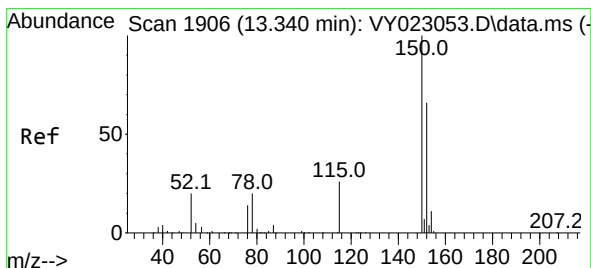
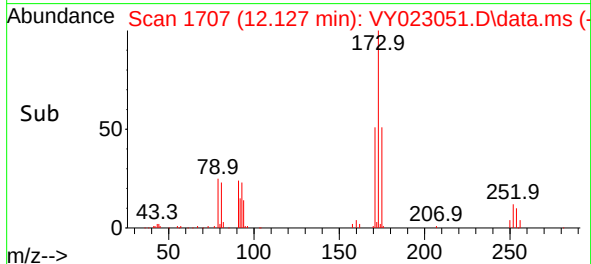
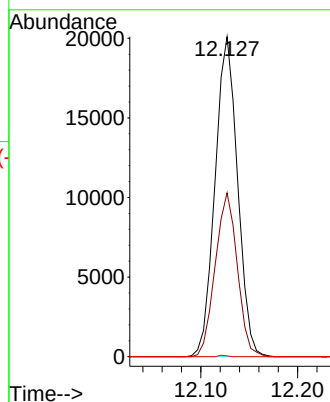
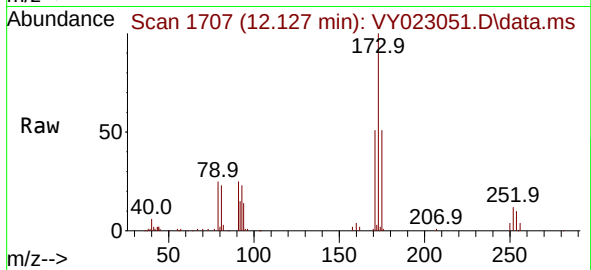




#71
Bromoform
Concen: 9.968 ug/l
RT: 12.127 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

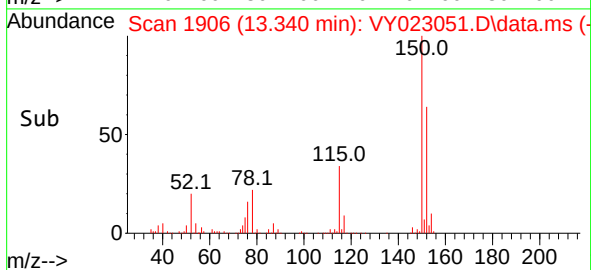
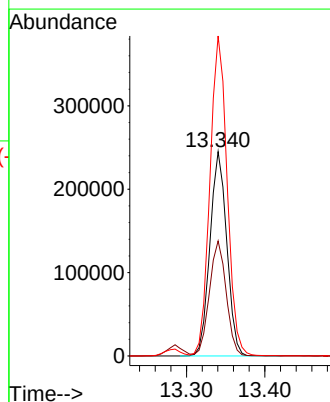
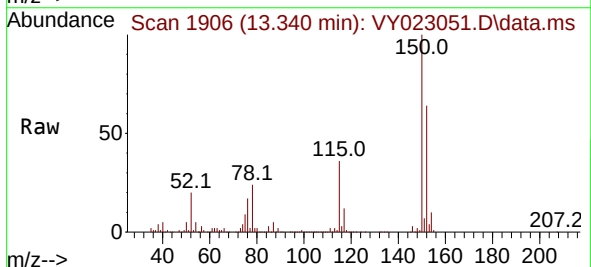
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

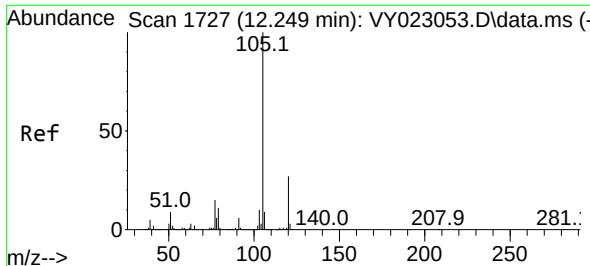
Tgt Ion:173 Resp: 32470
Ion Ratio Lower Upper
173 100
175 50.0 23.9 71.7
254 0.2 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.340 min Scan# 1906
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion:152 Resp: 365647
Ion Ratio Lower Upper
152 100
115 56.0 28.2 84.6
150 159.7 0.0 348.0

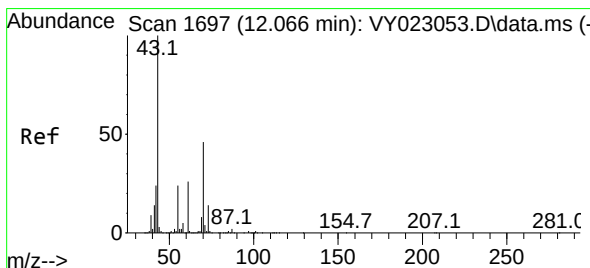
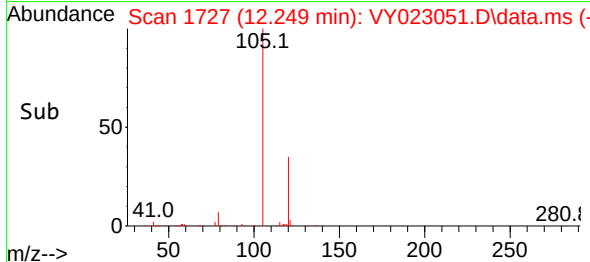
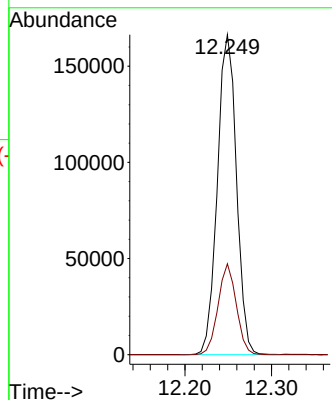
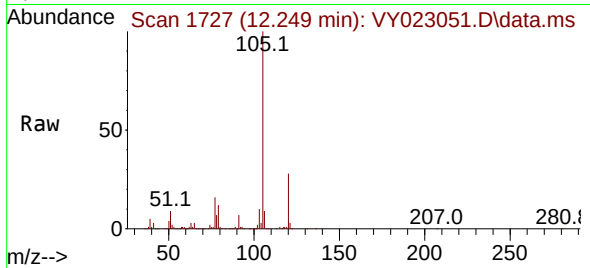




#73
Isopropylbenzene
Concen: 9.871 ug/l
RT: 12.249 min Scan# 1727
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

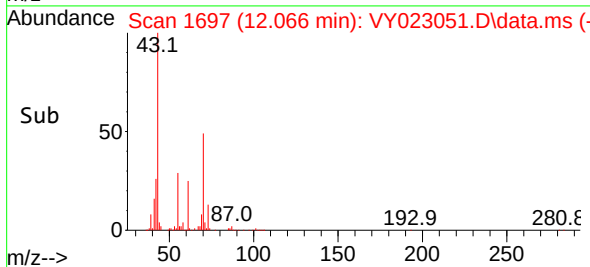
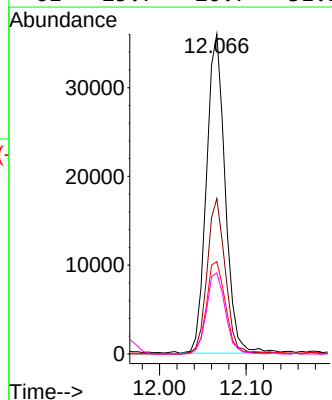
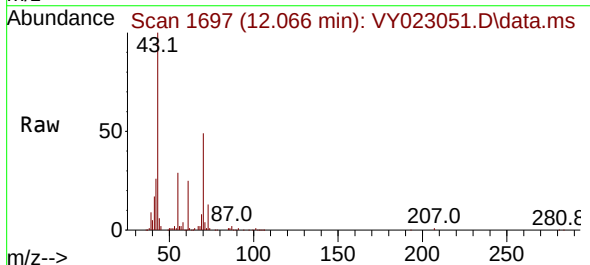
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

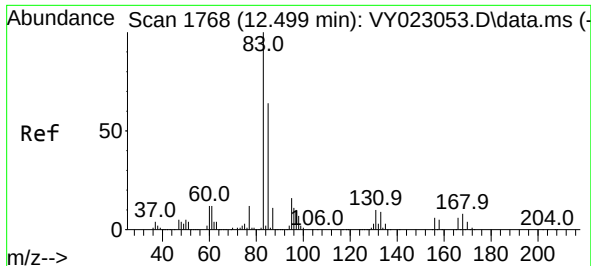
Tgt Ion:105 Resp: 254745
Ion Ratio Lower Upper
105 100
120 27.1 13.4 40.2



#74
N-ethyl acetate
Concen: 9.857 ug/l
RT: 12.066 min Scan# 1697
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion: 43 Resp: 53943
Ion Ratio Lower Upper
43 100
70 47.0 37.5 56.3
55 30.2 20.7 31.1
61 25.7 20.7 31.1

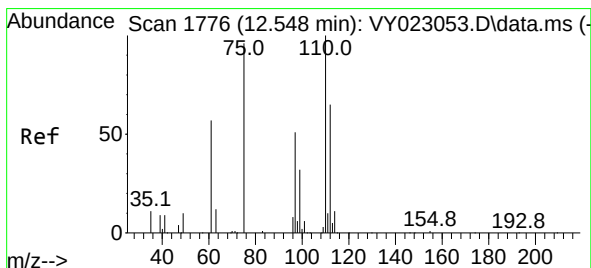
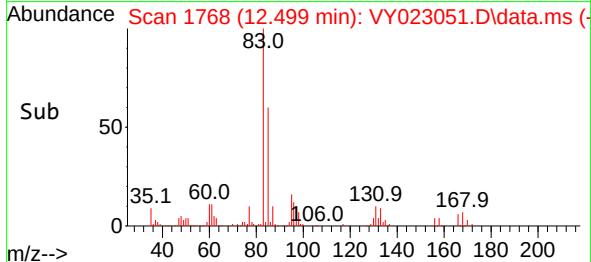
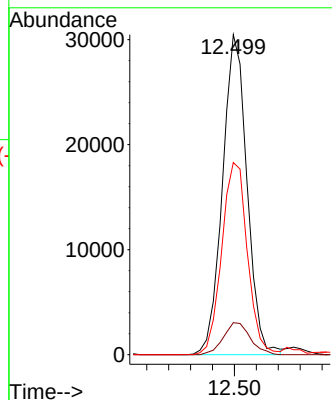
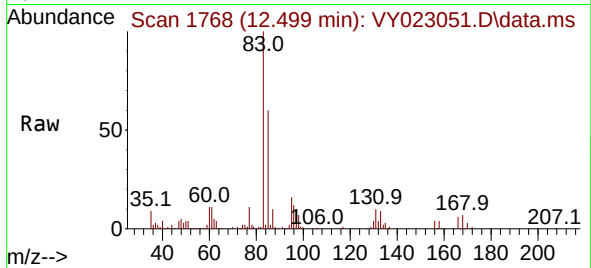




#75
 1,1,2,2-Tetrachloroethane
 Concen: 10.735 ug/l
 RT: 12.499 min Scan# 1768
 Delta R.T. 0.000 min
 Lab File: VY023051.D
 Acq: 12 Aug 2025 15:17

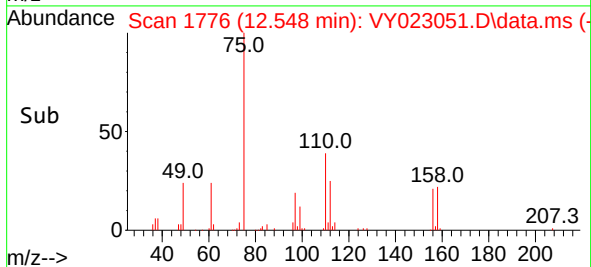
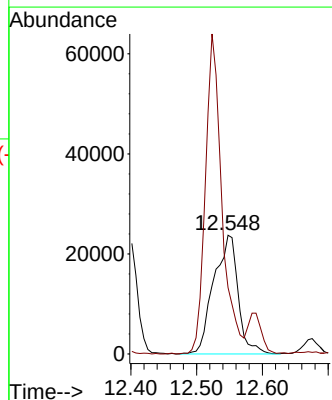
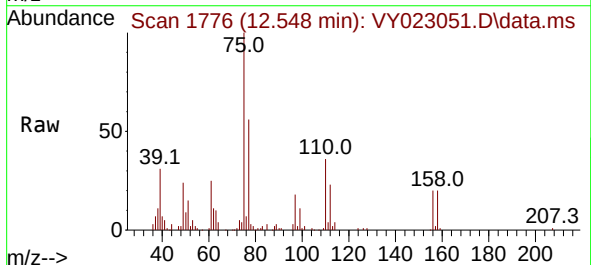
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

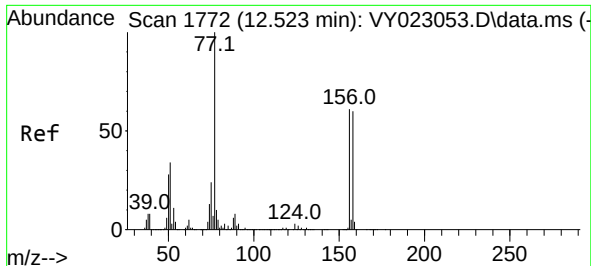
Tgt Ion: 83 Resp: 47304
 Ion Ratio Lower Upper
 83 100
 131 11.0 5.1 15.3
 85 62.9 31.8 95.3



#76
 1,2,3-Trichloropropane
 Concen: 17.357 ug/l
 RT: 12.548 min Scan# 1776
 Delta R.T. 0.000 min
 Lab File: VY023051.D
 Acq: 12 Aug 2025 15:17

Tgt Ion: 75 Resp: 61290
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0

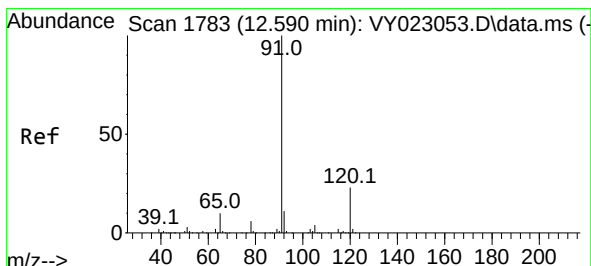
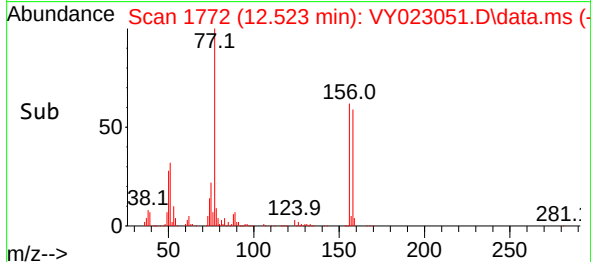
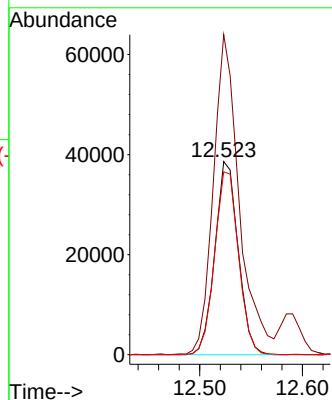
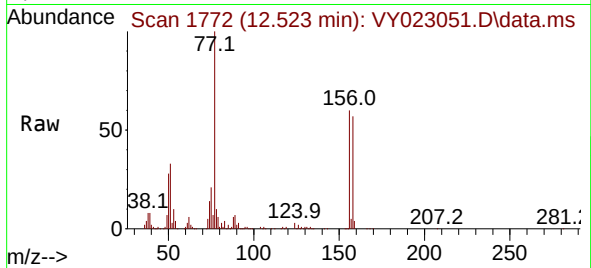




#77
Bromobenzene
Concen: 9.864 ug/l
RT: 12.523 min Scan# 1772
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

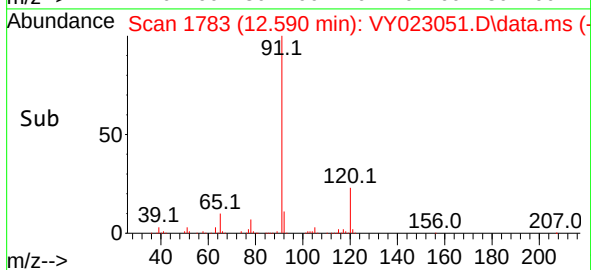
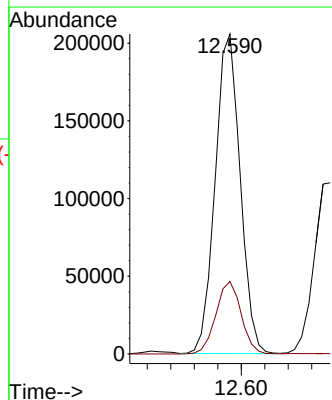
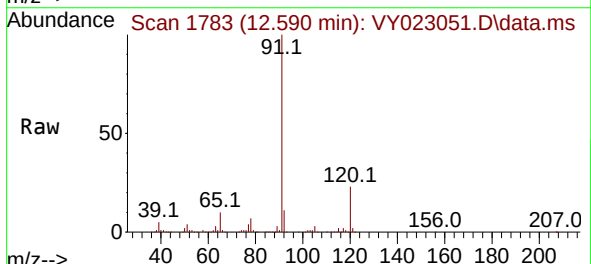
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

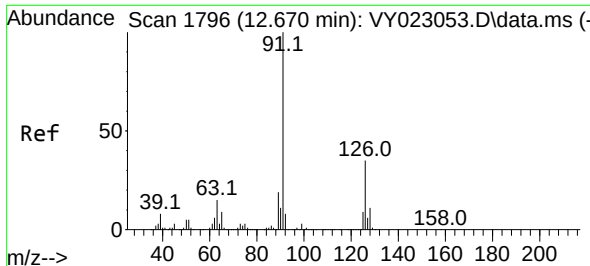
Tgt Ion:156 Resp: 60728
Ion Ratio Lower Upper
156 100
77 184.8 88.1 264.4
158 97.2 48.0 144.0



#78
n-propylbenzene
Concen: 9.876 ug/l
RT: 12.590 min Scan# 1783
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion: 91 Resp: 303440
Ion Ratio Lower Upper
91 100
120 22.9 11.5 34.5

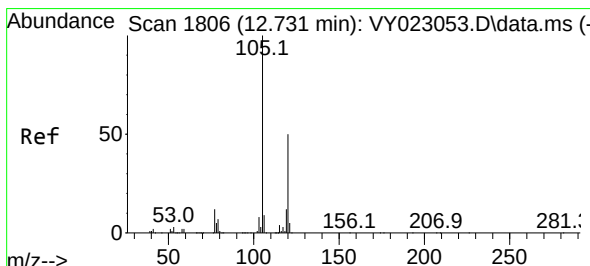
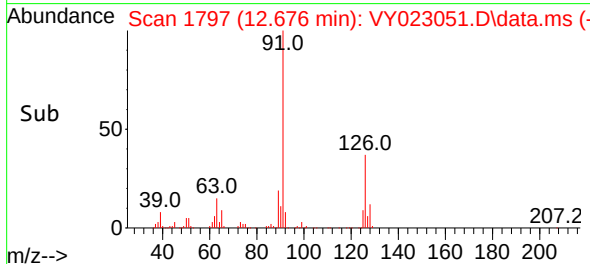
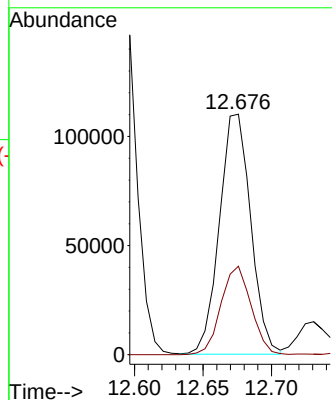
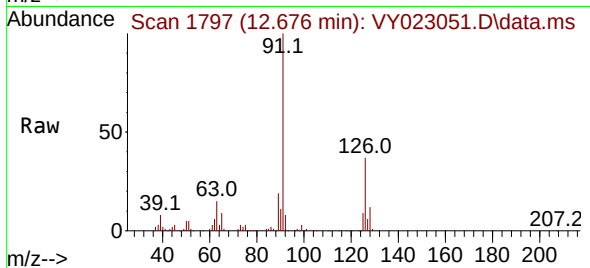




#79
2-Chlorotoluene
Concen: 9.962 ug/l
RT: 12.676 min Scan# 1796
Delta R.T. 0.006 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

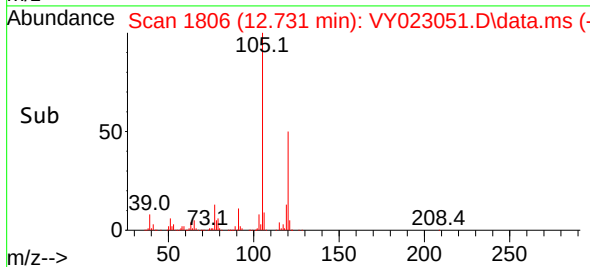
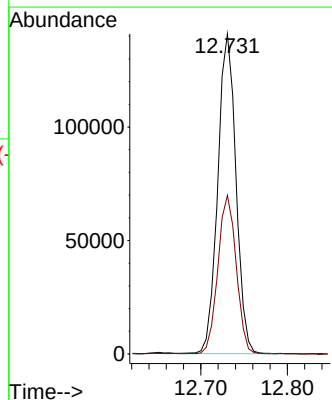
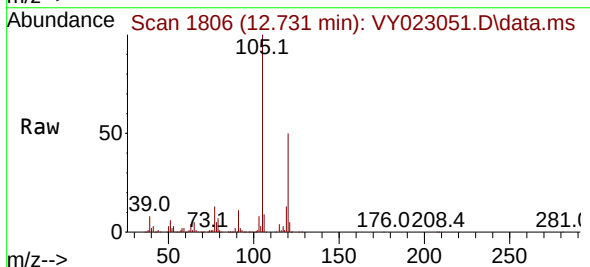
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

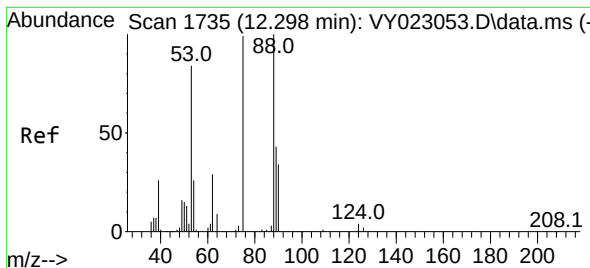
Tgt Ion: 91 Resp: 175364
Ion Ratio Lower Upper
91 100
126 35.6 17.4 52.3



#80
1,3,5-Trimethylbenzene
Concen: 9.855 ug/l
RT: 12.731 min Scan# 1806
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion: 105 Resp: 205544
Ion Ratio Lower Upper
105 100
120 49.8 24.8 74.4

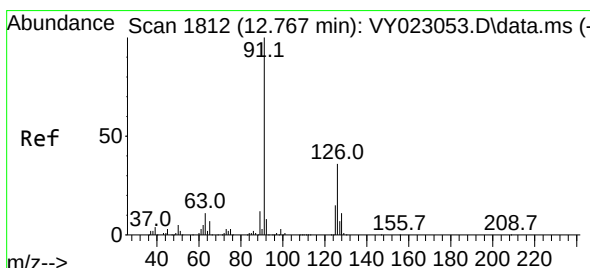
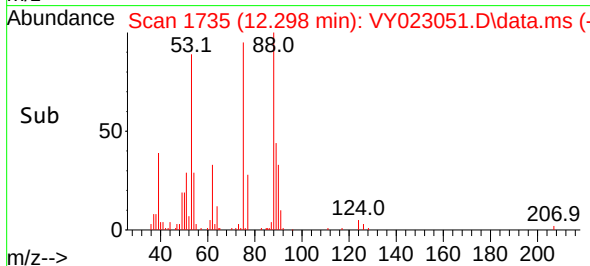
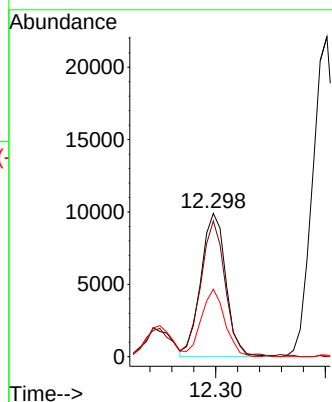
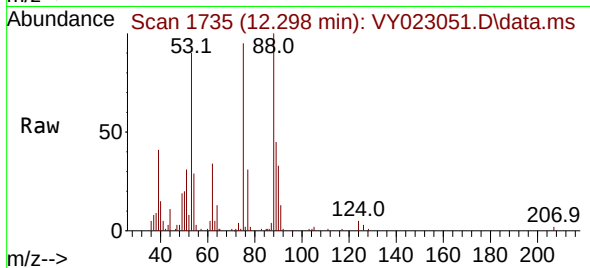




#81
trans-1,4-Dichloro-2-butene
Concen: 10.780 ug/l
RT: 12.298 min Scan# 1735
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

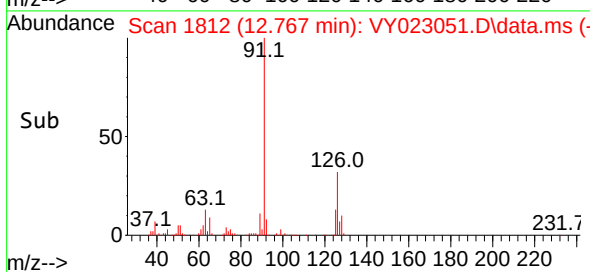
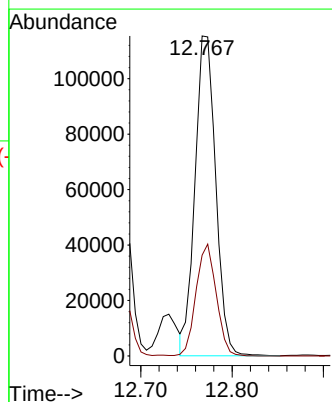
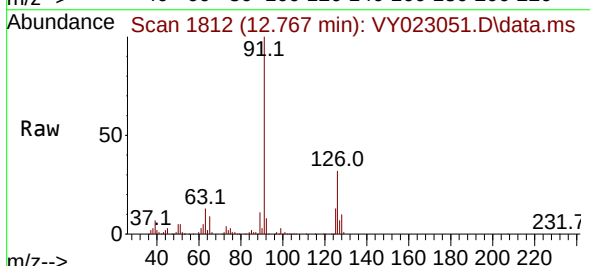
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

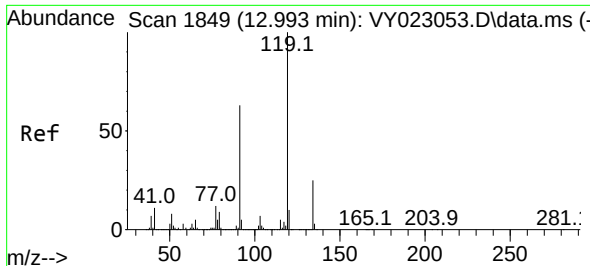
Tgt Ion: 75 Resp: 15715
Ion Ratio Lower Upper
75 100
53 91.4 70.8 106.2
89 44.0 38.1 57.1



#82
4-Chlorotoluene
Concen: 9.956 ug/l
RT: 12.767 min Scan# 1812
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion: 91 Resp: 181812
Ion Ratio Lower Upper
91 100
126 34.1 17.3 52.0

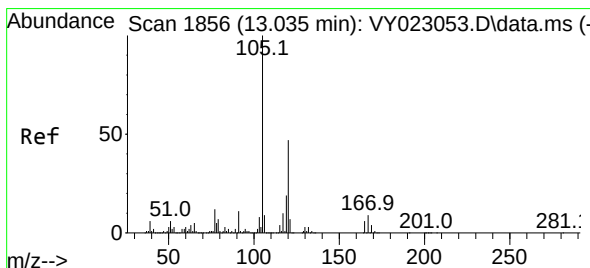
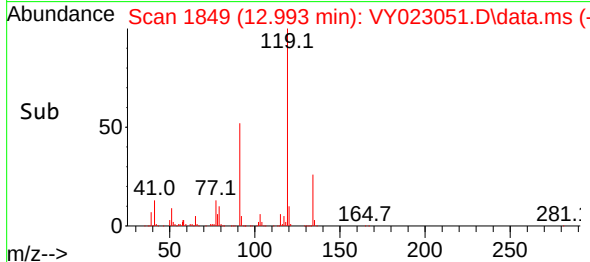
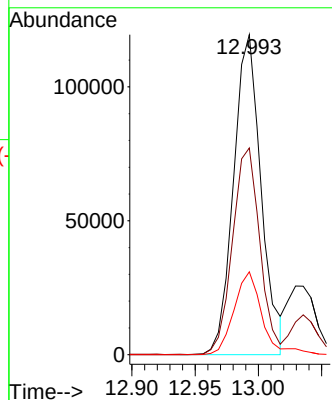
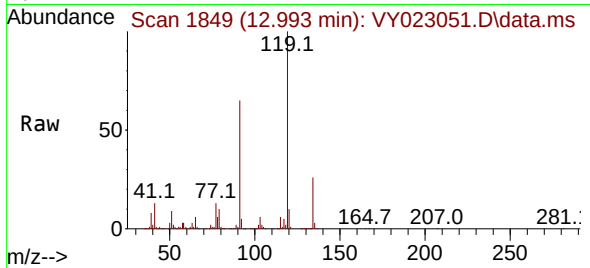




#83
 tert-Butylbenzene
 Concen: 9.630 ug/l
 RT: 12.993 min Scan# 1849
 Delta R.T. 0.000 min
 Lab File: VY023051.D
 Acq: 12 Aug 2025 15:17

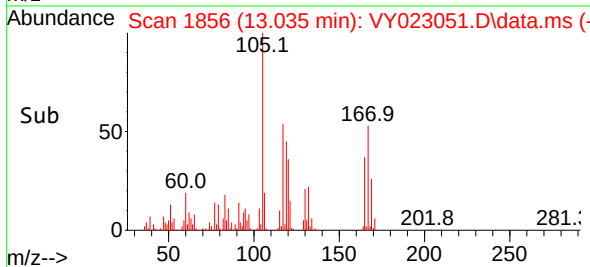
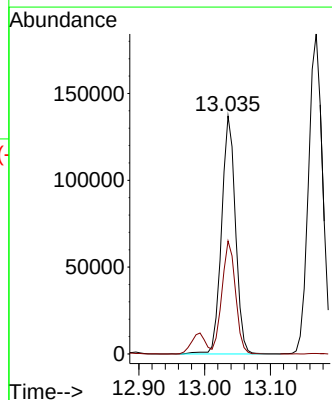
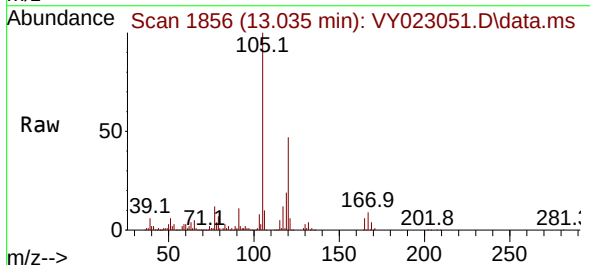
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

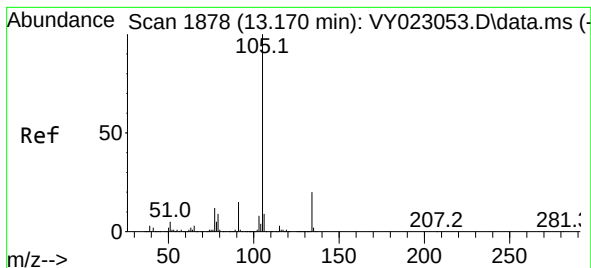
Tgt Ion:119 Resp: 181408
 Ion Ratio Lower Upper
 119 100
 91 63.9 31.6 94.8
 134 26.4 12.9 38.7



#84
 1,2,4-Trimethylbenzene
 Concen: 9.720 ug/l
 RT: 13.035 min Scan# 1856
 Delta R.T. 0.000 min
 Lab File: VY023051.D
 Acq: 12 Aug 2025 15:17

Tgt Ion:105 Resp: 201812
 Ion Ratio Lower Upper
 105 100
 120 46.1 23.0 69.0

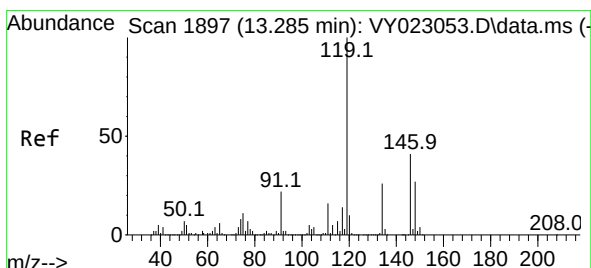
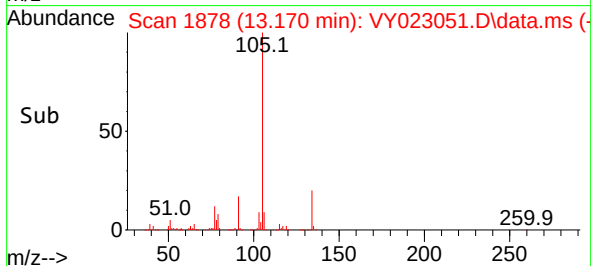
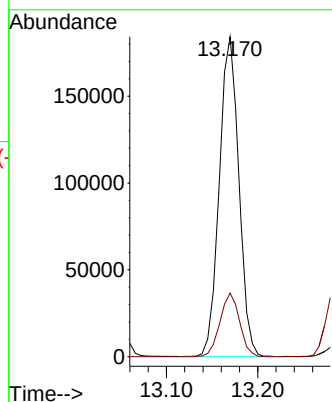
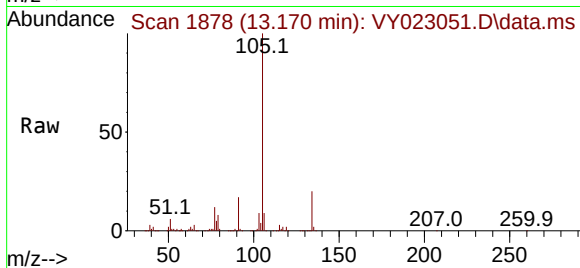




#85
 sec-Butylbenzene
 Concen: 9.908 ug/l
 RT: 13.170 min Scan# 1878
 Delta R.T. 0.000 min
 Lab File: VY023051.D
 Acq: 12 Aug 2025 15:17

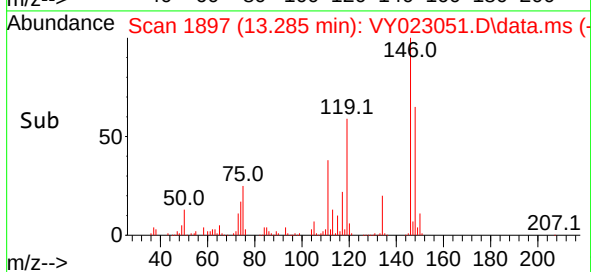
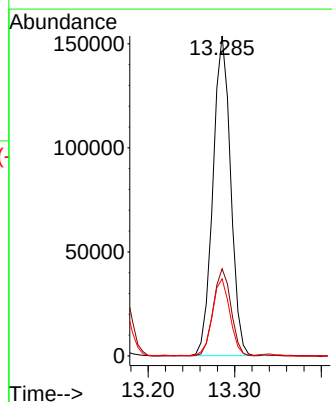
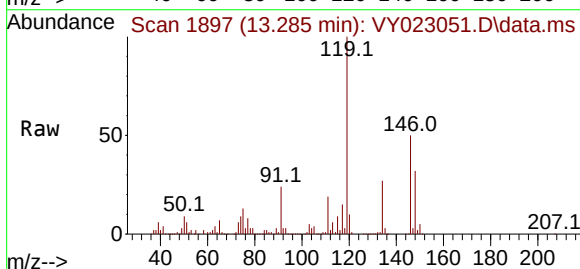
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

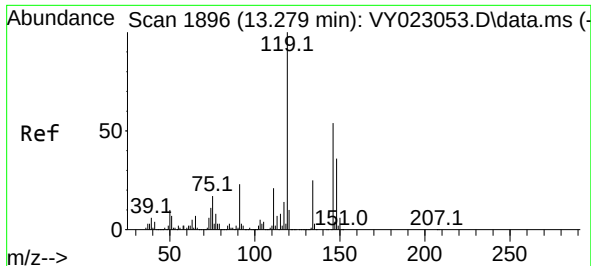
Tgt Ion:105 Resp: 274178
 Ion Ratio Lower Upper
 105 100
 134 19.9 10.2 30.4



#86
 p-Isopropyltoluene
 Concen: 9.482 ug/l
 RT: 13.285 min Scan# 1897
 Delta R.T. 0.000 min
 Lab File: VY023051.D
 Acq: 12 Aug 2025 15:17

Tgt Ion:119 Resp: 217799
 Ion Ratio Lower Upper
 119 100
 134 27.3 13.2 39.6
 91 23.9 11.3 33.8

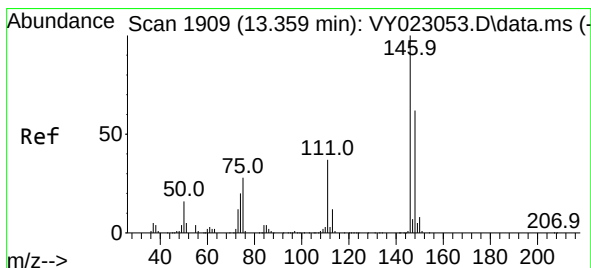
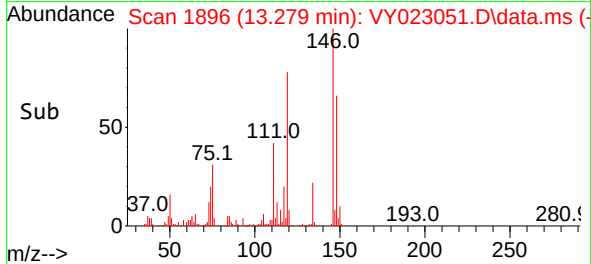
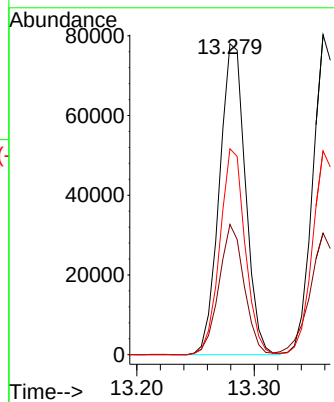
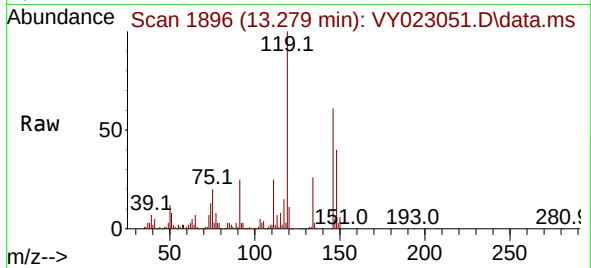




#87
 1,3-Dichlorobenzene
 Concen: 9.893 ug/l
 RT: 13.279 min Scan# 1896
 Delta R.T. 0.000 min
 Lab File: VY023051.D
 Acq: 12 Aug 2025 15:17

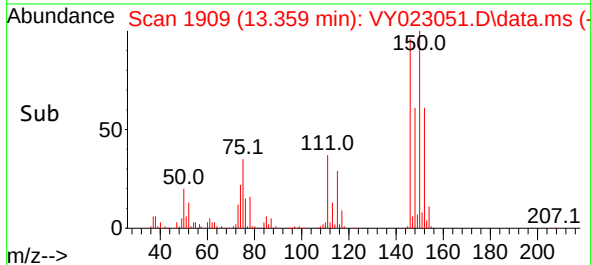
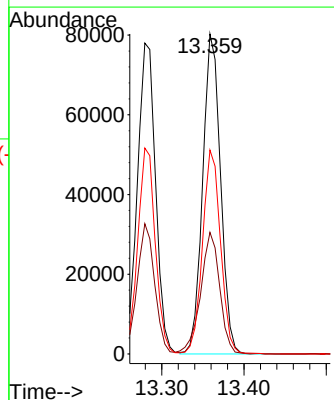
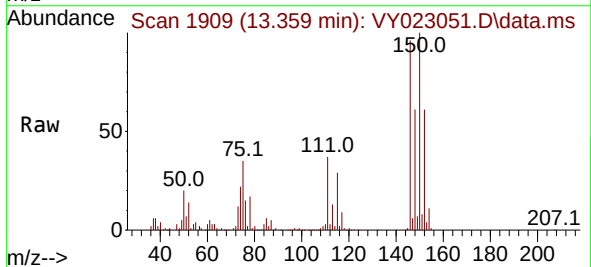
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

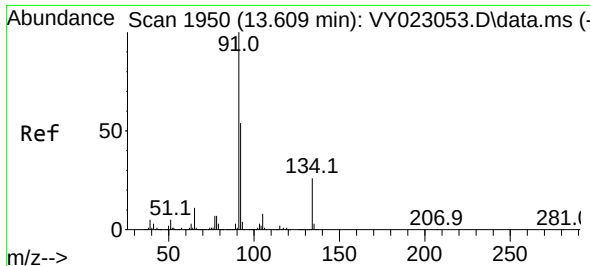
Tgt Ion:146 Resp: 120109
 Ion Ratio Lower Upper
 146 100
 111 40.6 19.6 58.7
 148 64.3 32.5 97.5



#88
 1,4-Dichlorobenzene
 Concen: 10.060 ug/l
 RT: 13.359 min Scan# 1909
 Delta R.T. 0.000 min
 Lab File: VY023051.D
 Acq: 12 Aug 2025 15:17

Tgt Ion:146 Resp: 121160
 Ion Ratio Lower Upper
 146 100
 111 40.7 19.1 57.1
 148 64.3 31.6 94.7

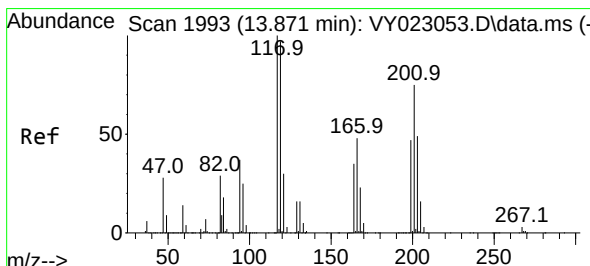
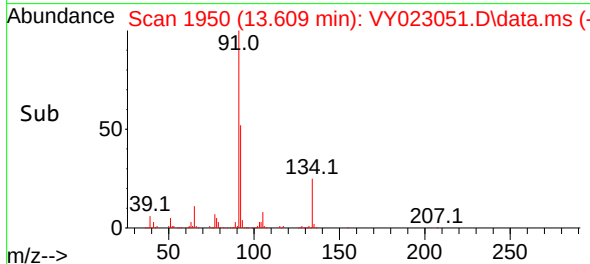
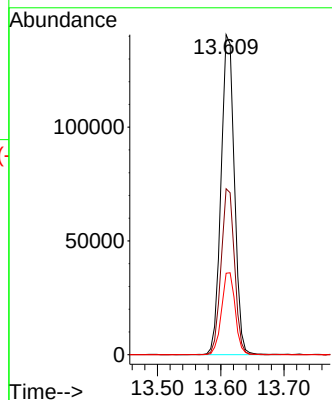
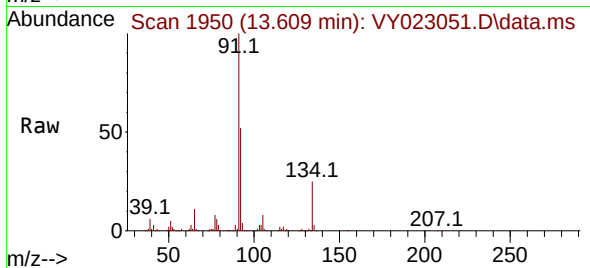




#89
n-Butylbenzene
Concen: 9.737 ug/l
RT: 13.609 min Scan# 1950
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

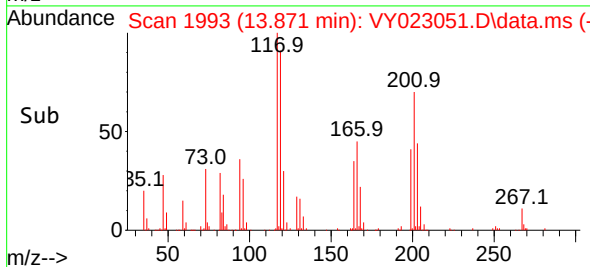
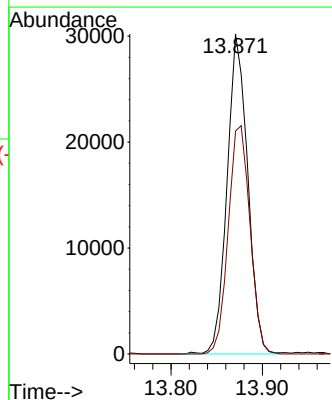
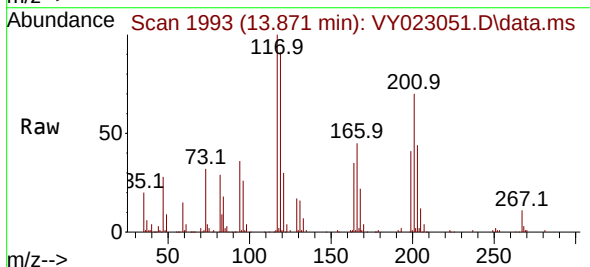
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

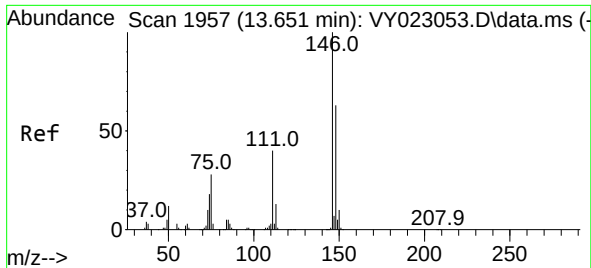
Tgt Ion: 91 Resp: 205420
Ion Ratio Lower Upper
91 100
92 52.1 26.9 80.7
134 26.1 13.2 39.5



#90
Hexachloroethane
Concen: 10.071 ug/l
RT: 13.871 min Scan# 1993
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion: 117 Resp: 47353
Ion Ratio Lower Upper
117 100
201 75.3 38.4 115.1

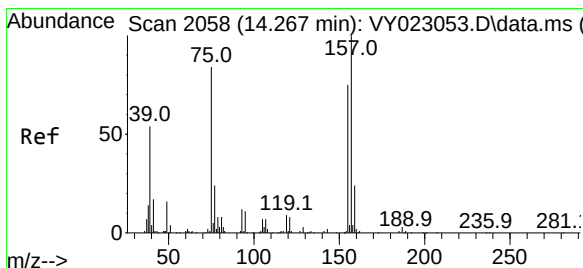
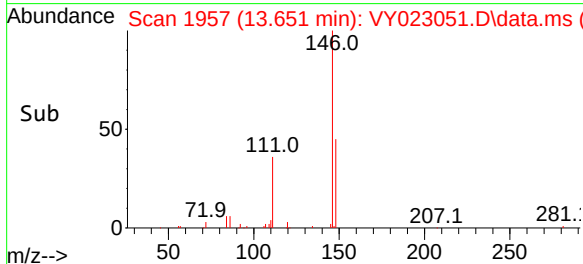
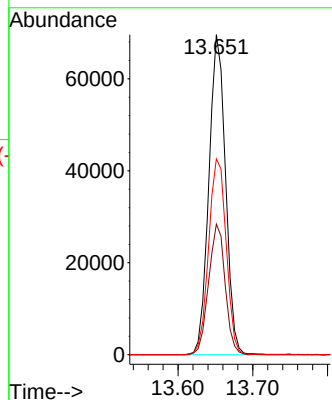
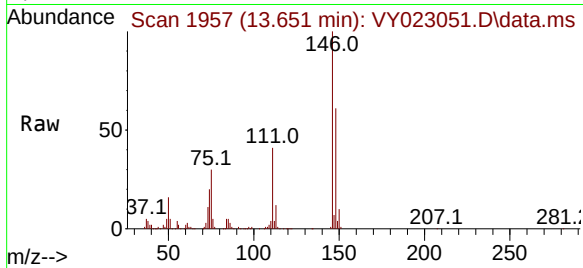




#91
1,2-Dichlorobenzene
Concen: 10.110 ug/l
RT: 13.651 min Scan# 1957
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

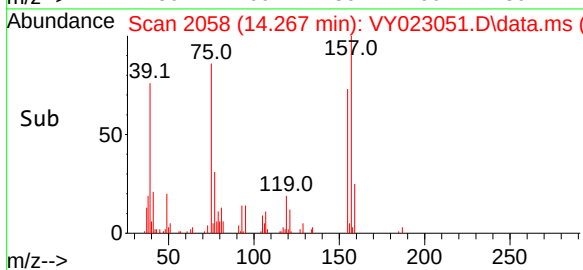
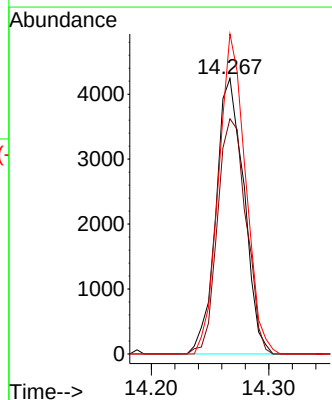
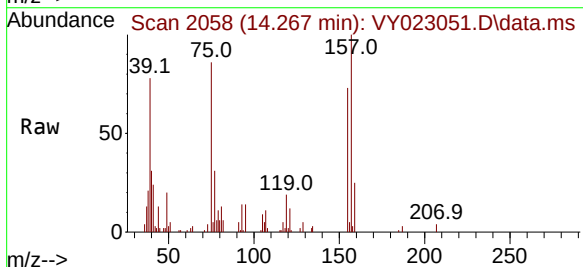
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

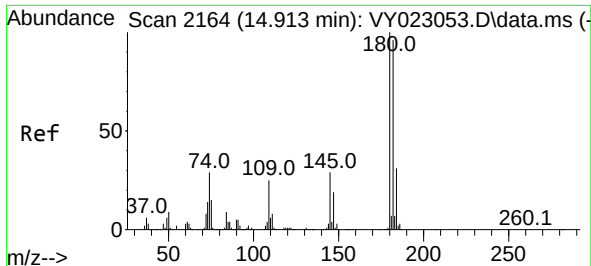
Tgt Ion:	146	Resp:	107656
Ion	Ratio	Lower	Upper
146	100		
111	40.5	20.3	60.8
148	64.5	32.2	96.6



#92
1,2-Dibromo-3-Chloropropane
Concen: 10.250 ug/l
RT: 14.267 min Scan# 2058
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

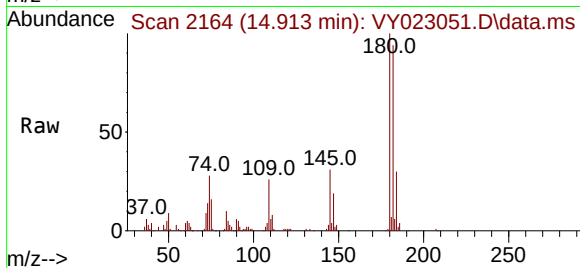
Tgt Ion:	75	Resp:	7032
Ion	Ratio	Lower	Upper
75	100		
155	87.6	43.9	131.6
157	111.5	57.2	171.6



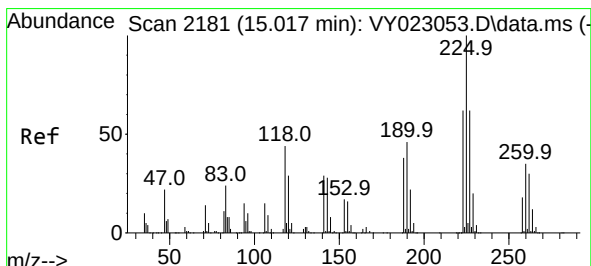
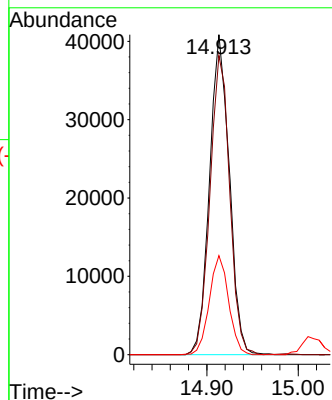
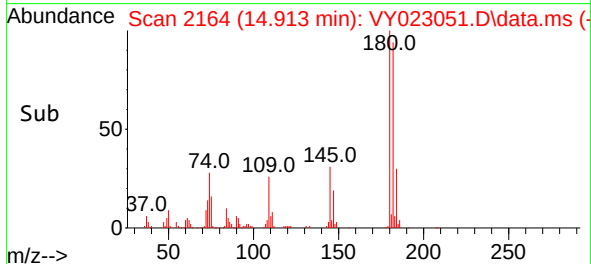


#93
1,2,4-Trichlorobenzene
Concen: 9.739 ug/l
RT: 14.913 min Scan# 2164
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

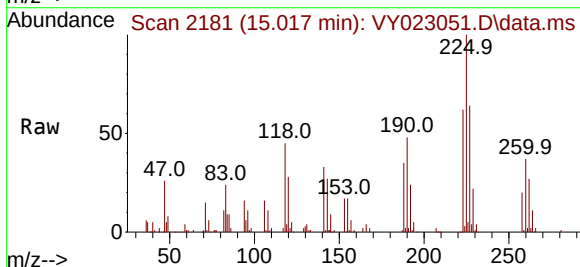
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010



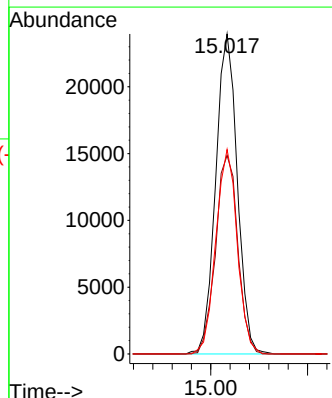
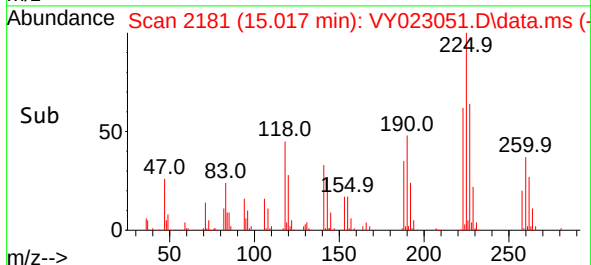
Tgt Ion:180 Resp: 61323
Ion Ratio Lower Upper
180 100
182 93.2 46.8 140.4
145 30.2 14.4 43.4

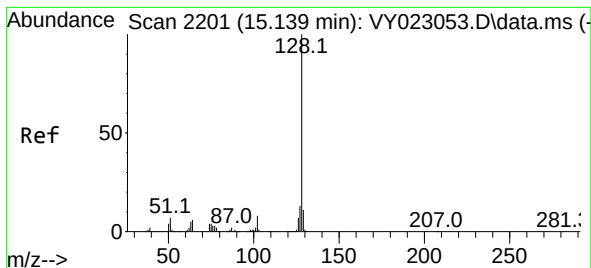


#94
Hexachlorobutadiene
Concen: 10.003 ug/l
RT: 15.017 min Scan# 2181
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17



Tgt Ion:225 Resp: 37011
Ion Ratio Lower Upper
225 100
223 64.1 31.3 93.8
227 63.5 31.5 94.5





#95

Naphthalene

Concen: 9.293 ug/l

RT: 15.139 min Scan# 2201

Delta R.T. 0.000 min

Lab File: VY023051.D

Acq: 12 Aug 2025 15:17

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

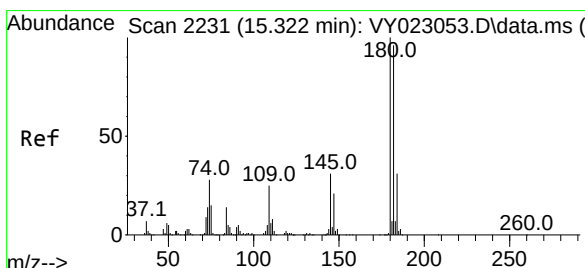
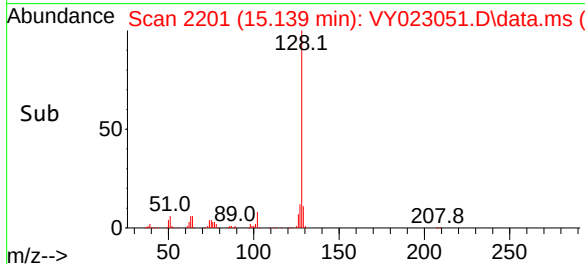
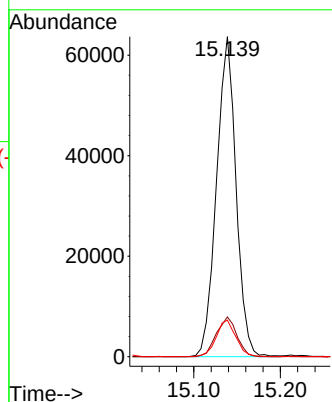
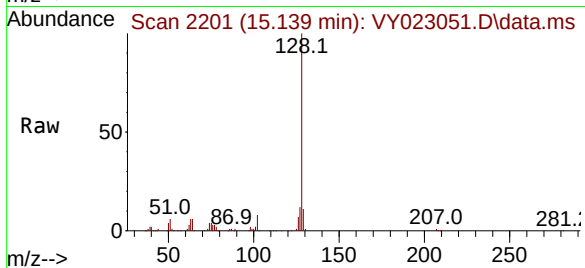
Tgt Ion:128 Resp: 99780

Ion Ratio Lower Upper

128 100

127 12.9 10.4 15.6

129 11.6 9.0 13.4



#96

1,2,3-Trichlorobenzene

Concen: 9.883 ug/l

RT: 15.322 min Scan# 2231

Delta R.T. 0.000 min

Lab File: VY023051.D

Acq: 12 Aug 2025 15:17

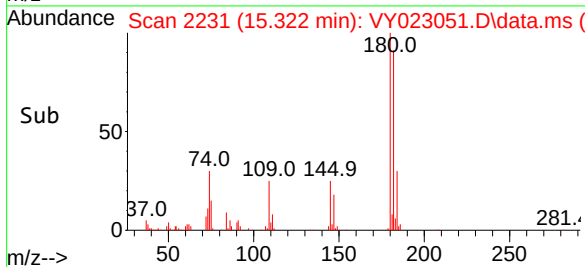
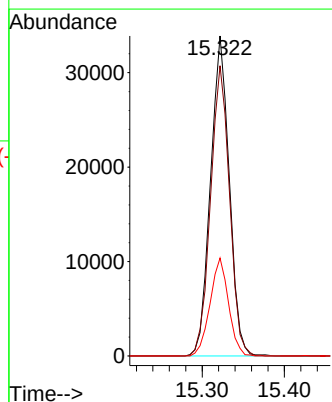
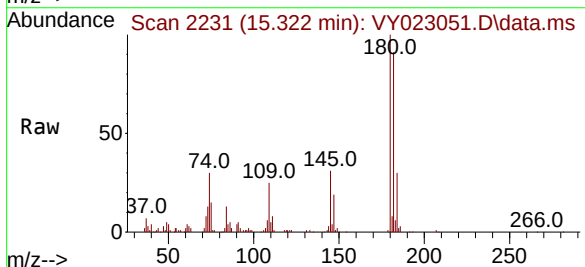
Tgt Ion:180 Resp: 53626

Ion Ratio Lower Upper

180 100

182 91.9 47.9 143.7

145 30.2 15.9 47.7



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081225\
 Data File : VY023052.D
 Acq On : 12 Aug 2025 15:40
 Operator : SY/MD
 Sample : VSTDICC020
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC020

Quant Time: Aug 13 01:52:25 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 13 01:46:43 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	537748	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	848953	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	745484	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	370932	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	103755	20.244	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	40.480%#
35) Dibromofluoromethane	7.628	113	102068	20.093	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	40.180%#
50) Toluene-d8	10.103	98	398394	20.075	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	40.160%#
62) 4-Bromofluorobenzene	12.402	95	124467	19.503	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	39.000%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.861	85	98926	22.537	ug/l	98
3) Chloromethane	2.068	50	158310	22.268	ug/l	99
4) Vinyl Chloride	2.202	62	188307	21.427	ug/l	99
5) Bromomethane	2.586	94	140517	21.410	ug/l	99
6) Chloroethane	2.726	64	122310	20.934	ug/l	99
7) Trichlorofluoromethane	3.050	101	225373	21.090	ug/l	99
8) Diethyl Ether	3.452	74	58245	20.602	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.805	101	112116	21.267	ug/l	99
10) Methyl Iodide	3.994	142	115879	20.370	ug/l	99
11) Tert butyl alcohol	4.860	59	35192	100.214	ug/l	98
12) 1,1-Dichloroethene	3.781	96	107992	20.840	ug/l	99
13) Acrolein	3.653	56	54065	105.126	ug/l	100
14) Allyl chloride	4.379	41	155709	20.421	ug/l	97
15) Acrylonitrile	5.055	53	120151	104.535	ug/l	97
16) Acetone	3.866	43	113468	102.193	ug/l	96
17) Carbon Disulfide	4.098	76	357484	21.157	ug/l	98
18) Methyl Acetate	4.379	43	69853	21.141	ug/l	99
19) Methyl tert-butyl Ether	5.110	73	278863	20.767	ug/l	99
20) Methylene Chloride	4.610	84	130416	21.069	ug/l	96
21) trans-1,2-Dichloroethene	5.104	96	120321	20.661	ug/l	96
22) Diisopropyl ether	6.012	45	346195	20.894	ug/l	95
23) Vinyl Acetate	5.951	43	941364	102.748	ug/l	97
24) 1,1-Dichloroethane	5.909	63	211558	20.884	ug/l	98
25) 2-Butanone	6.890	43	153363	101.559	ug/l	100
26) 2,2-Dichloropropane	6.878	77	181528	20.767	ug/l	100
27) cis-1,2-Dichloroethene	6.884	96	138775	20.613	ug/l	99
28) Bromochloromethane	7.244	49	84540	21.035	ug/l	99
29) Tetrahydrofuran	7.262	42	95795	102.341	ug/l	99
30) Chloroform	7.415	83	215585	20.635	ug/l	98
31) Cyclohexane	7.701	56	194671	20.393	ug/l	96
32) 1,1,1-Trichloroethane	7.610	97	193268	20.848	ug/l	99
36) 1,1-Dichloropropene	7.835	75	156617	20.746	ug/l	98
37) Ethyl Acetate	6.982	43	66420	20.944	ug/l	100
38) Carbon Tetrachloride	7.817	117	171344	20.897	ug/l	98
39) Methylcyclohexane	9.103	83	205594	20.680	ug/l	98
40) Benzene	8.079	78	485631	20.871	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081225\
 Data File : VY023052.D
 Acq On : 12 Aug 2025 15:40
 Operator : SY/MD
 Sample : VSTDICC020
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC020

Quant Time: Aug 13 01:52:25 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 13 01:46:43 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.256	41	93052	50.787	ug/l #	32
42) 1,2-Dichloroethane	8.152	62	126111	20.839	ug/l	100
43) Isopropyl Acetate	8.195	43	131854	20.571	ug/l	98
44) Trichloroethene	8.859	130	126772	21.083	ug/l	98
45) 1,2-Dichloropropane	9.134	63	110699	20.677	ug/l	99
46) Dibromomethane	9.225	93	63410	20.635	ug/l	98
47) Bromodichloromethane	9.420	83	165954	20.988	ug/l	96
48) Methyl methacrylate	9.219	41	64120	20.905	ug/l	98
49) 1,4-Dioxane	9.225	88	14826	411.480	ug/l	98
51) 4-Methyl-2-Pentanone	9.993	43	339298	102.622	ug/l	100
52) Toluene	10.164	92	306193	20.719	ug/l	100
53) t-1,3-Dichloropropene	10.390	75	147696	20.627	ug/l	100
54) cis-1,3-Dichloropropene	9.853	75	174243	20.580	ug/l	96
55) 1,1,2-Trichloroethane	10.566	97	86022	20.920	ug/l	99
56) Ethyl methacrylate	10.432	69	105816	20.111	ug/l	99
57) 1,3-Dichloropropane	10.713	76	145621	20.882	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.707	63	244340	98.450	ug/l	99
59) 2-Hexanone	10.755	43	231872	102.992	ug/l	99
60) Dibromochloromethane	10.908	129	110810	20.424	ug/l	99
61) 1,2-Dibromoethane	11.012	107	80549	20.842	ug/l	97
64) Tetrachloroethene	10.640	164	141609	21.273	ug/l	99
65) Chlorobenzene	11.438	112	332700	20.690	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.511	131	112677	20.647	ug/l	99
67) Ethyl Benzene	11.511	91	564855	20.412	ug/l	99
68) m/p-Xylenes	11.621	106	444361	41.115	ug/l	98
69) o-Xylene	11.950	106	207639	20.513	ug/l	99
70) Styrene	11.963	104	339891	20.532	ug/l	99
71) Bromoform	12.127	173	64275	20.151	ug/l #	98
73) Isopropylbenzene	12.249	105	534421	20.413	ug/l	100
74) N-amyl acetate	12.066	43	112297	20.227	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.499	83	89782	20.085	ug/l	100
76) 1,2,3-Trichloropropane	12.548	75	122494	34.195	ug/l #	100
77) Bromobenzene	12.523	156	128501	20.574	ug/l	99
78) n-propylbenzene	12.590	91	640528	20.550	ug/l	99
79) 2-Chlorotoluene	12.670	91	365577	20.471	ug/l	100
80) 1,3,5-Trimethylbenzene	12.731	105	435074	20.563	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.298	75	30153	20.389	ug/l	97
82) 4-Chlorotoluene	12.773	91	385755	20.822	ug/l	99
83) tert-Butylbenzene	12.993	119	389621	20.389	ug/l	100
84) 1,2,4-Trimethylbenzene	13.036	105	438392	20.814	ug/l	98
85) sec-Butylbenzene	13.170	105	575804	20.512	ug/l	100
86) p-Isopropyltoluene	13.285	119	480937	20.640	ug/l	100
87) 1,3-Dichlorobenzene	13.279	146	252452	20.497	ug/l	99
88) 1,4-Dichlorobenzene	13.359	146	249280	20.403	ug/l	99
89) n-Butylbenzene	13.609	91	440963	20.605	ug/l	99
90) Hexachloroethane	13.871	117	96478	20.226	ug/l	98
91) 1,2-Dichlorobenzene	13.651	146	222000	20.552	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.267	75	13973	20.076	ug/l	98
93) 1,2,4-Trichlorobenzene	14.913	180	130718	20.464	ug/l	98
94) Hexachlorobutadiene	15.017	225	77511	20.650	ug/l	99
95) Naphthalene	15.139	128	216923	19.915	ug/l	100
96) 1,2,3-Trichlorobenzene	15.322	180	111506	20.258	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081225\
Data File : VY023052.D
Acq On : 12 Aug 2025 15:40
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

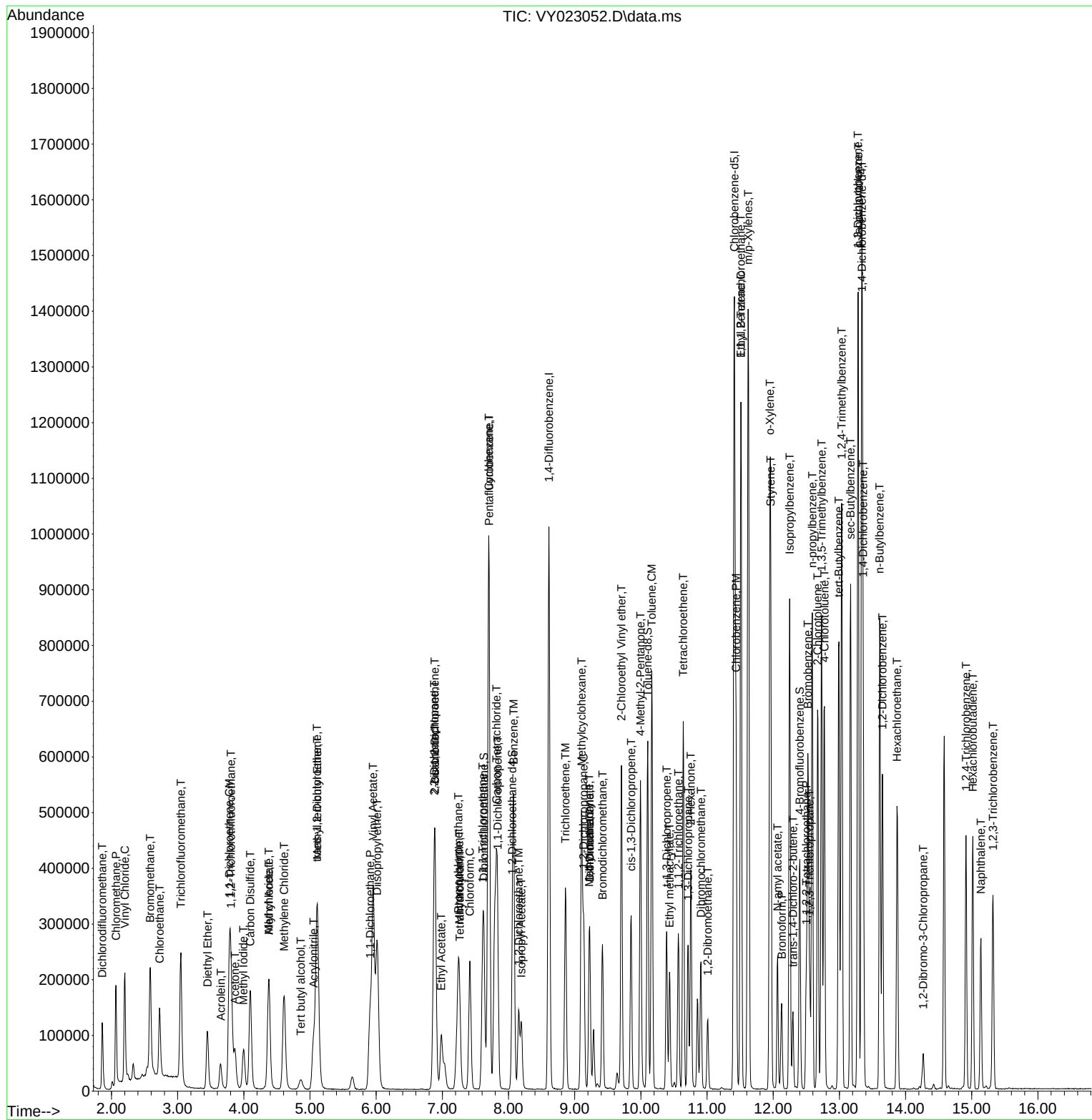
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Quant Title : SW846 8260
QLast Update : Wed Aug 13 01:46:43 2025
Response via : Initial Calibration

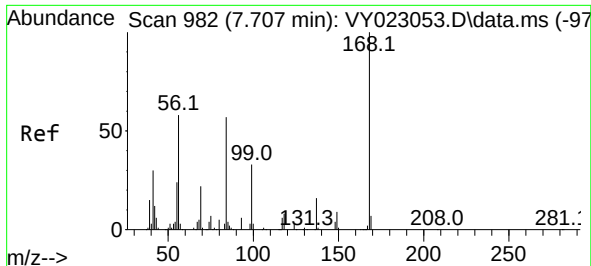
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Quant Time: Aug 13 01:52:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 01:46:43 2025
Response via : Initial Calibration

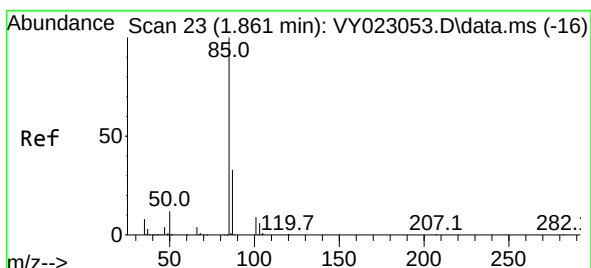
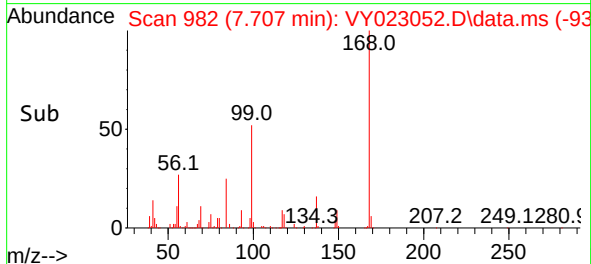
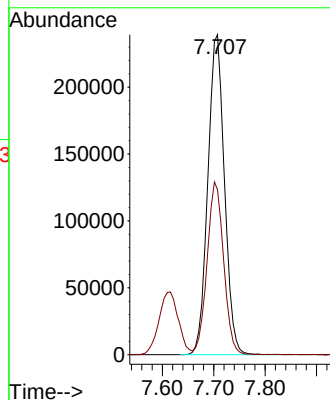
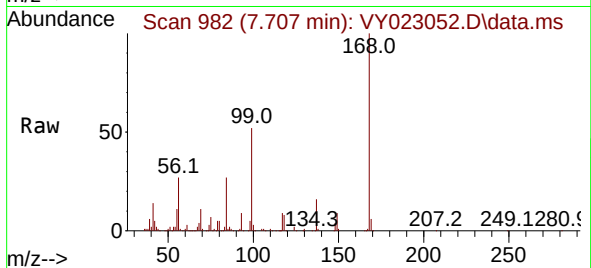




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

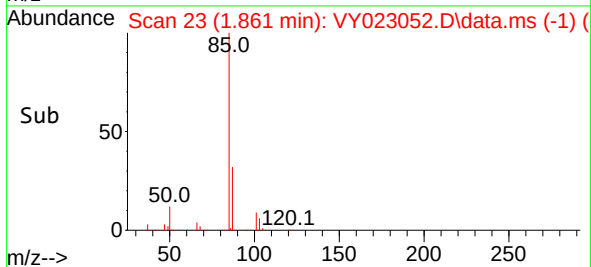
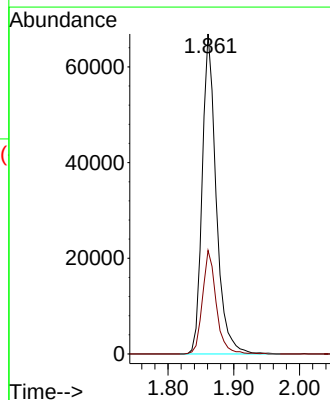
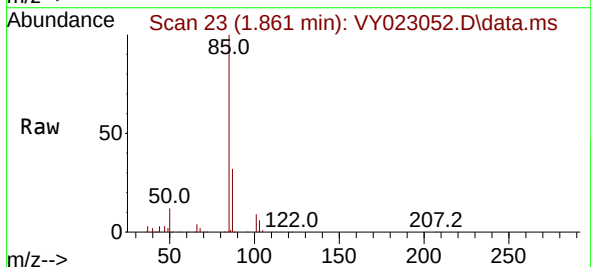
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

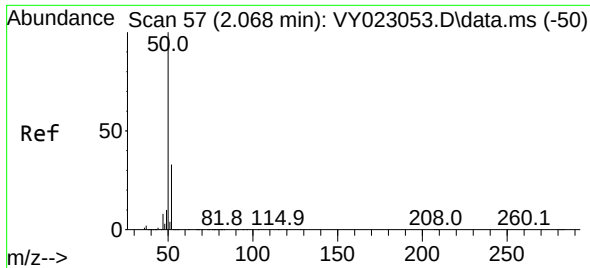
Tgt Ion:168 Resp: 537748
Ion Ratio Lower Upper
168 100
99 51.5 42.8 64.2



#2
Dichlorodifluoromethane
Concen: 22.537 ug/l
RT: 1.861 min Scan# 23
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion: 85 Resp: 98926
Ion Ratio Lower Upper
85 100
87 32.3 16.6 49.8

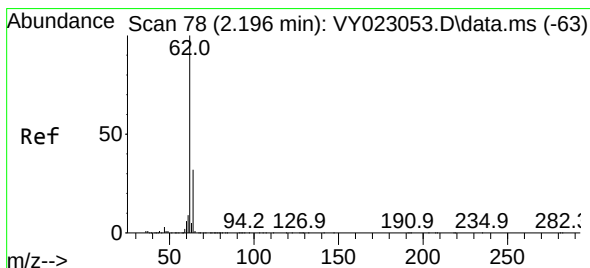
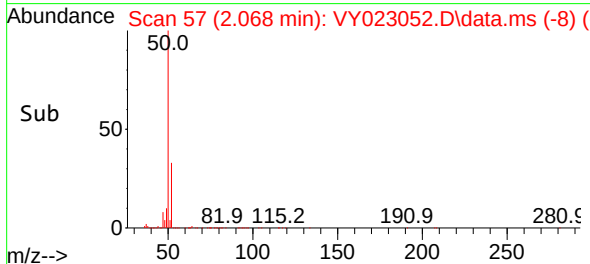
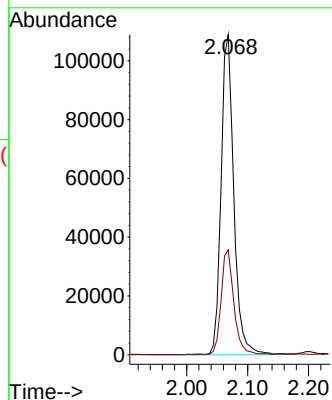
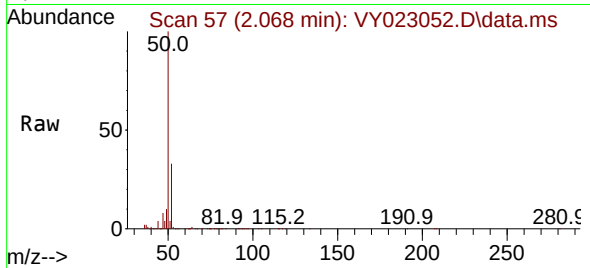




#3
Chloromethane
Concen: 22.268 ug/l
RT: 2.068 min Scan# 51
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

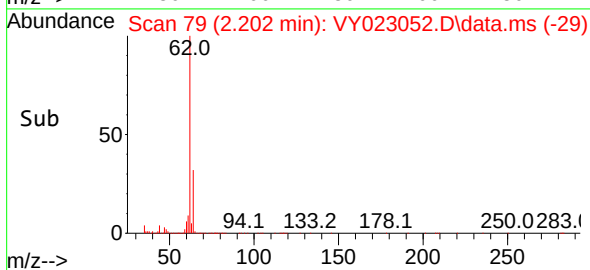
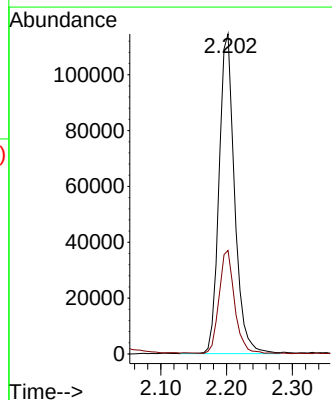
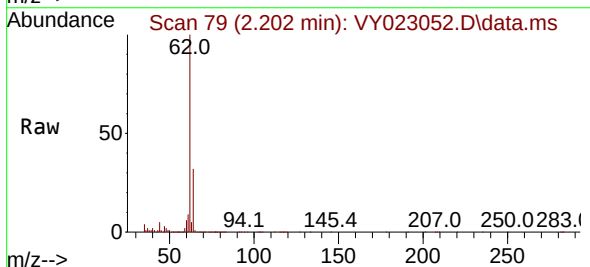
Instrument :
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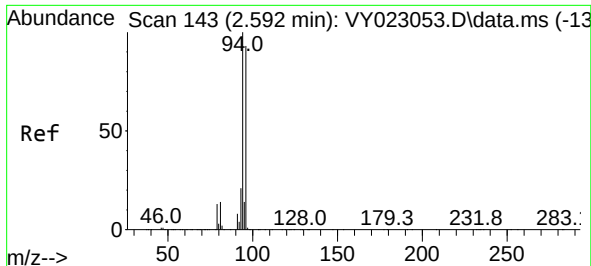
Tgt Ion: 50 Resp: 158310
Ion Ratio Lower Upper
50 100
52 32.8 26.7 40.1



#4
Vinyl Chloride
Concen: 21.427 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.006 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion: 62 Resp: 188307
Ion Ratio Lower Upper
62 100
64 32.2 25.4 38.0

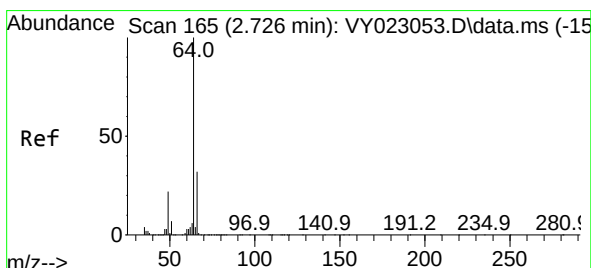
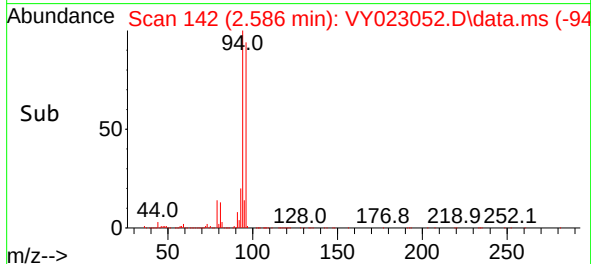
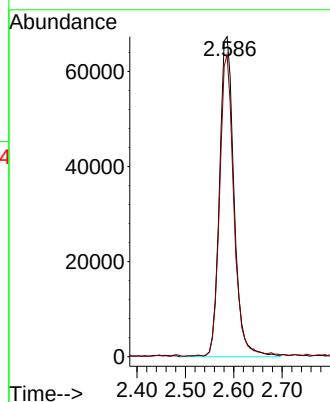
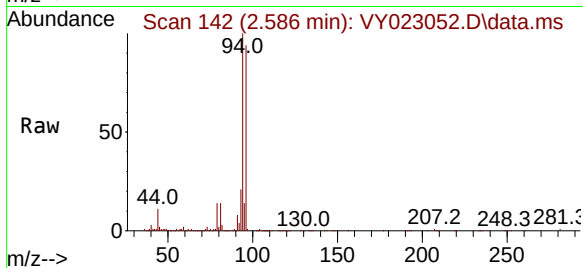




#5
Bromomethane
Concen: 21.410 ug/l
RT: 2.586 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

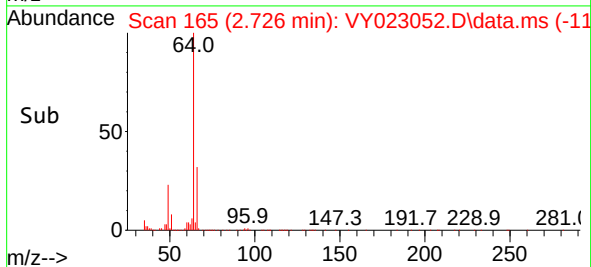
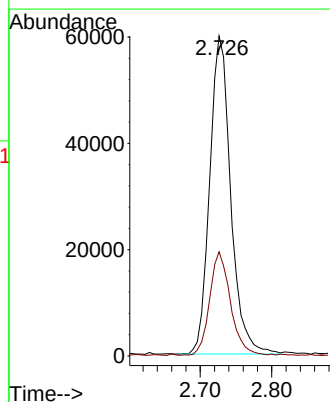
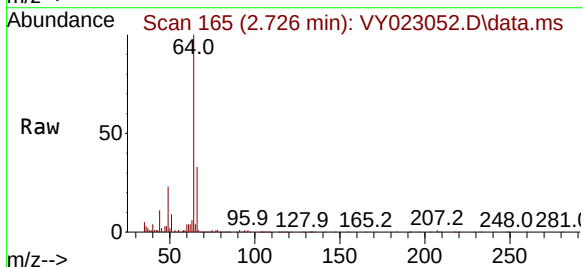
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ClientSampleId :
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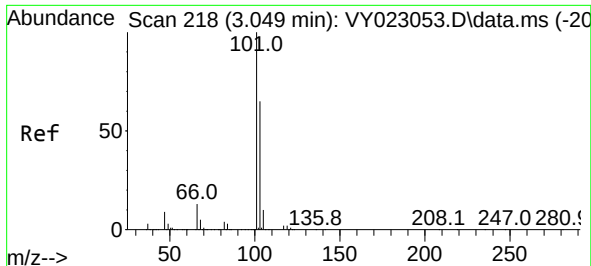
Tgt Ion: 94 Resp: 140517
Ion Ratio Lower Upper
94 100
96 94.1 74.6 112.0



#6
Chloroethane
Concen: 20.934 ug/l
RT: 2.726 min Scan# 165
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion: 64 Resp: 122310
Ion Ratio Lower Upper
64 100
66 32.5 25.8 38.6

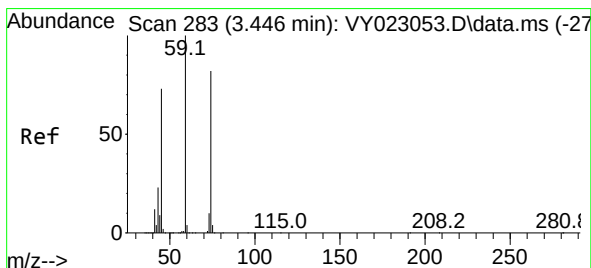
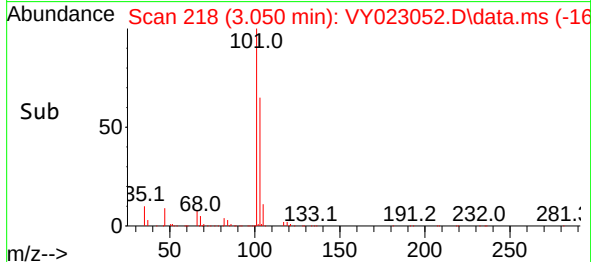
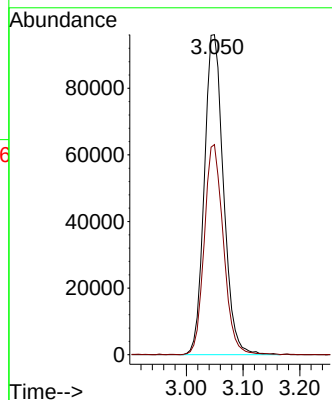
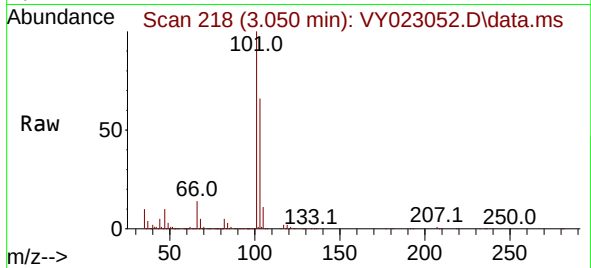




#7
 Trichlorofluoromethane
 Concen: 21.090 ug/l
 RT: 3.050 min Scan# 218
 Delta R.T. 0.000 min
 Lab File: VY023052.D
 Acq: 12 Aug 2025 15:40

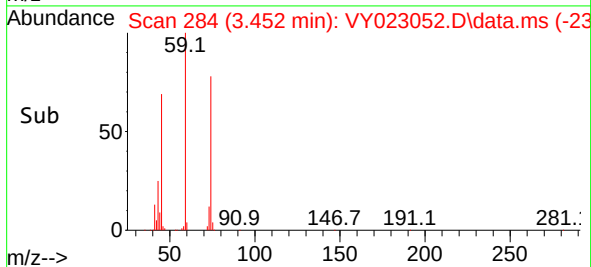
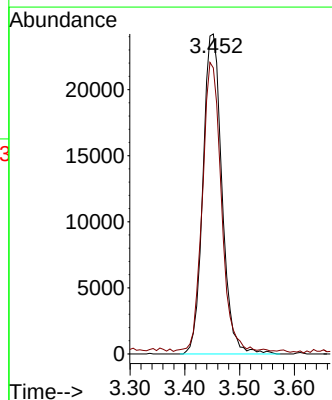
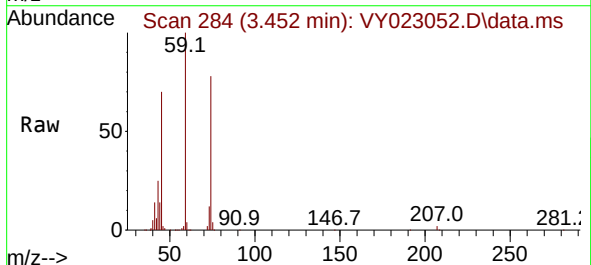
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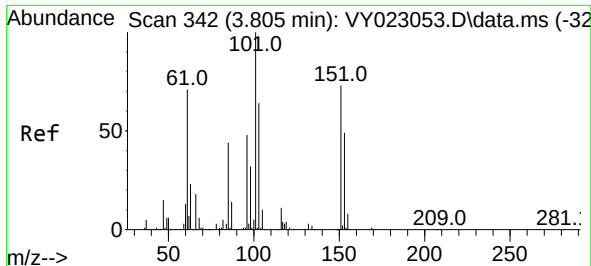
Tgt Ion:101 Resp: 225373
 Ion Ratio Lower Upper
 101 100
 103 65.7 51.9 77.9



#8
 Diethyl Ether
 Concen: 20.602 ug/l
 RT: 3.452 min Scan# 284
 Delta R.T. 0.006 min
 Lab File: VY023052.D
 Acq: 12 Aug 2025 15:40

Tgt Ion: 74 Resp: 58245
 Ion Ratio Lower Upper
 74 100
 45 89.8 44.4 133.2

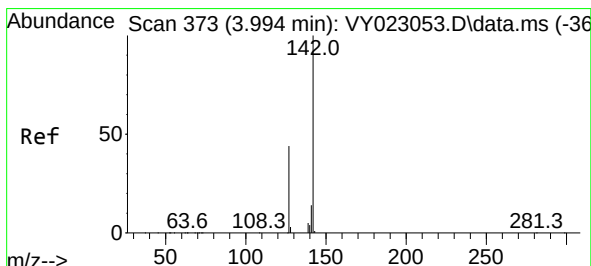
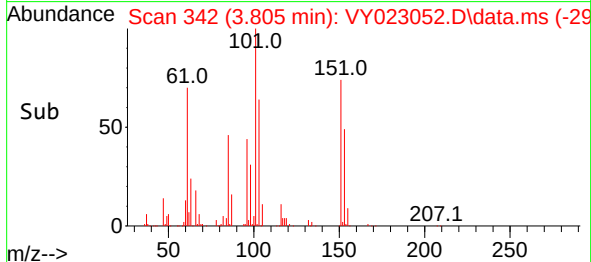
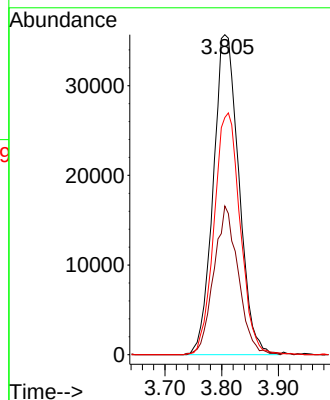
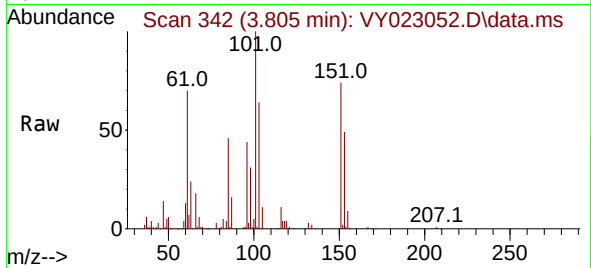




#9
1,1,2-Trichlorotrifluoroethane
Concen: 21.267 ug/l
RT: 3.805 min Scan# 342
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

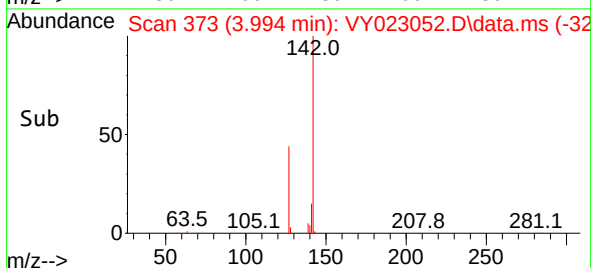
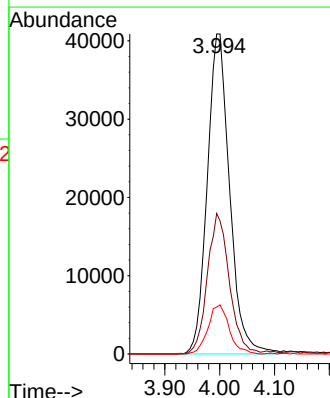
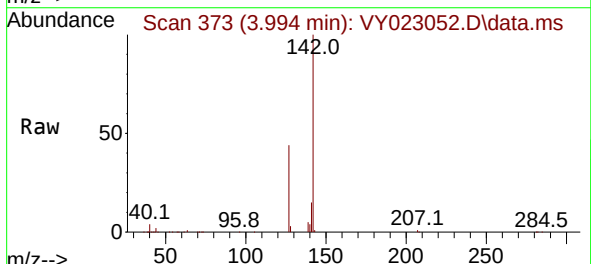
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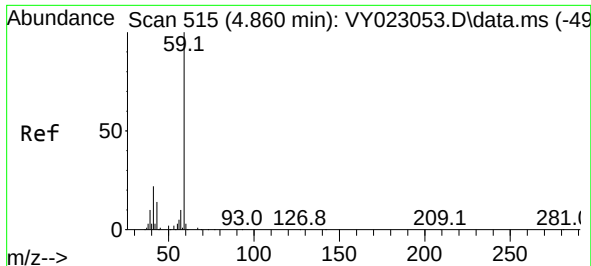
Tgt Ion:101 Resp: 112116
Ion Ratio Lower Upper
101 100
85 44.2 36.3 54.5
151 76.8 61.5 92.3



#10
Methyl Iodide
Concen: 20.370 ug/l
RT: 3.994 min Scan# 373
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion:142 Resp: 115879
Ion Ratio Lower Upper
142 100
127 43.0 34.9 52.3
141 14.6 11.3 16.9

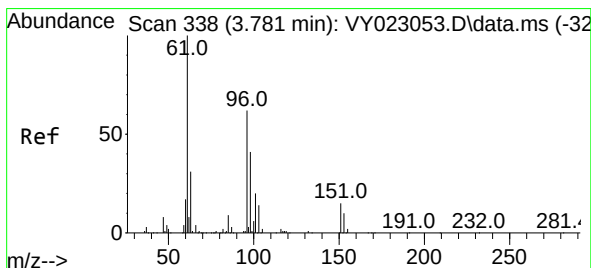
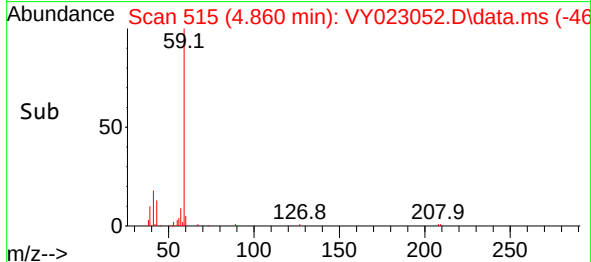
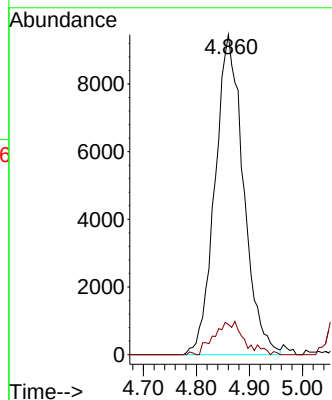
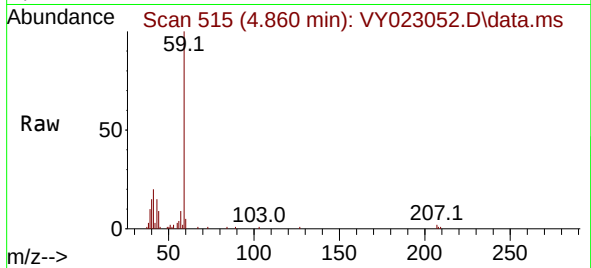




#11
Tert butyl alcohol
Concen: 100.214 ug/l
RT: 4.860 min Scan# 515
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

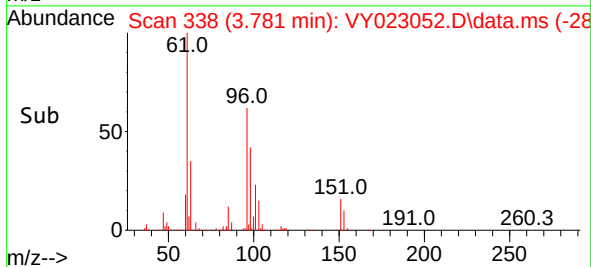
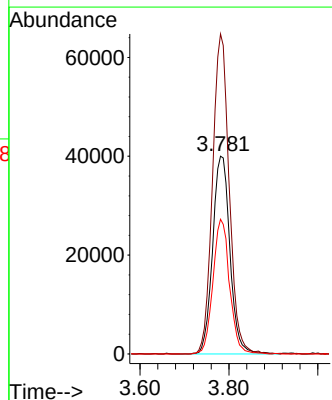
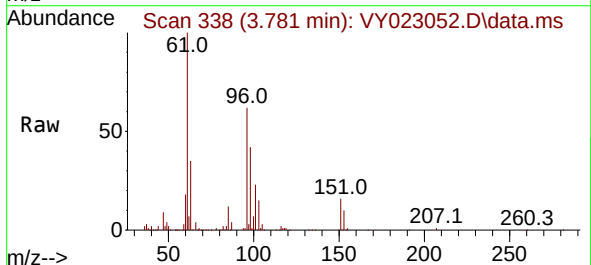
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

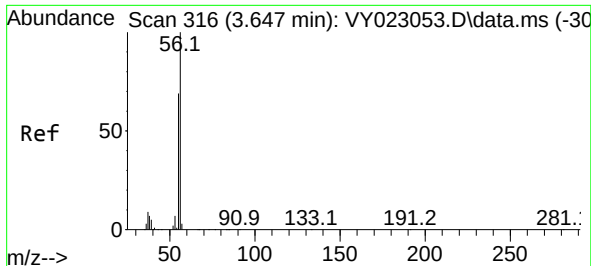
Tgt Ion: 59 Resp: 35192
Ion Ratio Lower Upper
59 100
57 10.0 8.6 13.0



#12
1,1-Dichloroethene
Concen: 20.840 ug/l
RT: 3.781 min Scan# 338
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion: 96 Resp: 107992
Ion Ratio Lower Upper
96 100
61 161.8 129.4 194.2
98 68.1 52.8 79.2

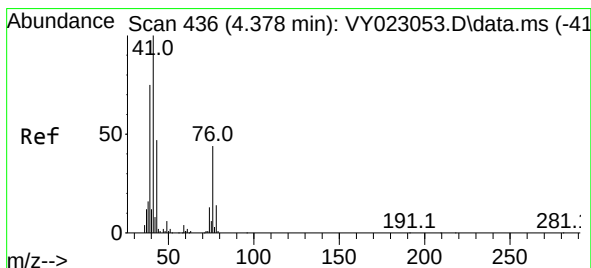
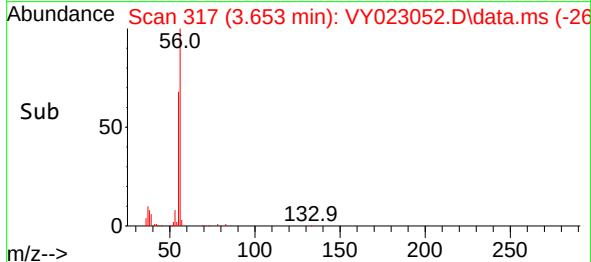
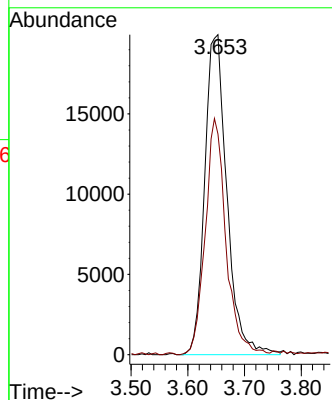
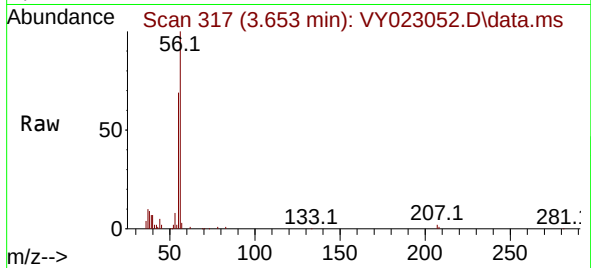




#13
Acrolein
Concen: 105.126 ug/l
RT: 3.653 min Scan# 316
Delta R.T. 0.006 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

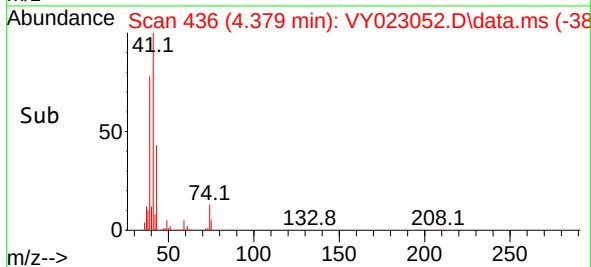
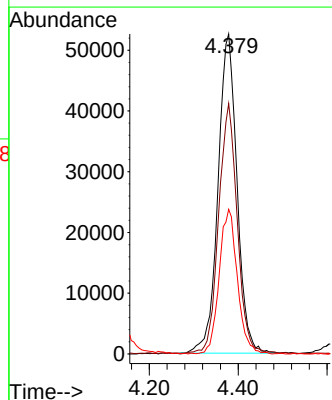
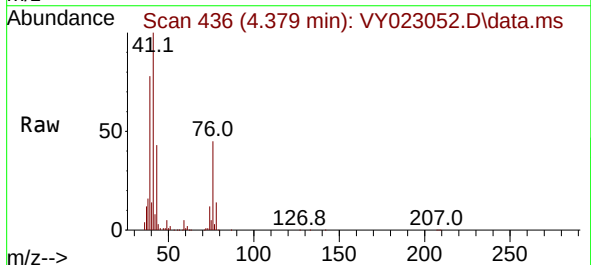
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

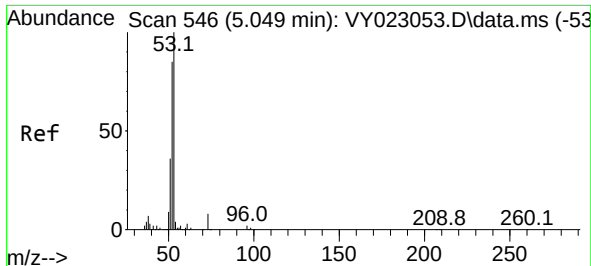
Tgt Ion: 56 Resp: 54065
Ion Ratio Lower Upper
56 100
55 69.1 55.2 82.8



#14
Allyl chloride
Concen: 20.421 ug/l
RT: 4.379 min Scan# 436
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion: 41 Resp: 155709
Ion Ratio Lower Upper
41 100
39 77.1 59.8 89.6
76 43.3 33.7 50.5

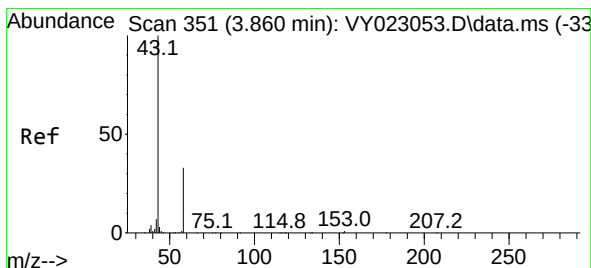
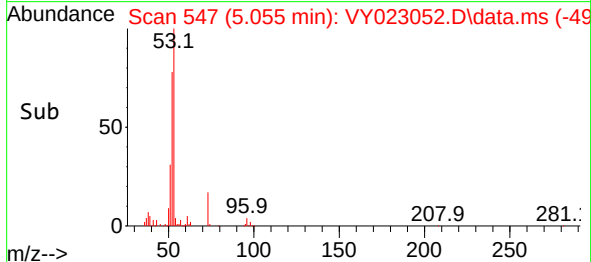
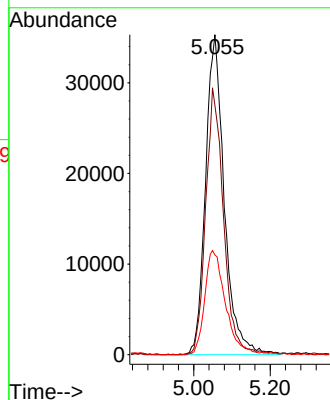
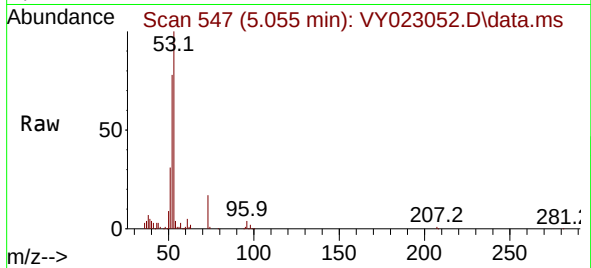




#15
Acrylonitrile
Concen: 104.535 ug/l
RT: 5.055 min Scan# 54
Delta R.T. 0.006 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

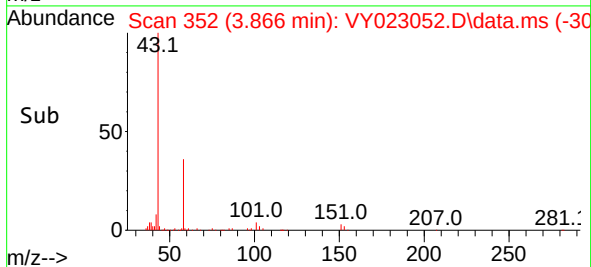
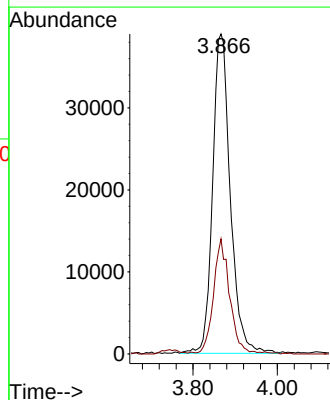
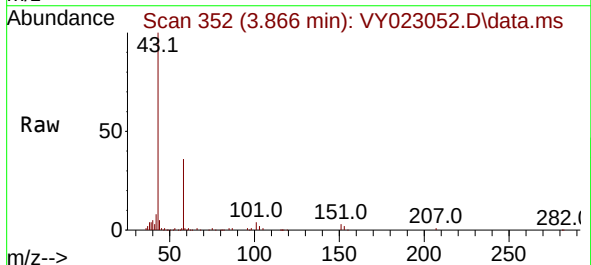
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

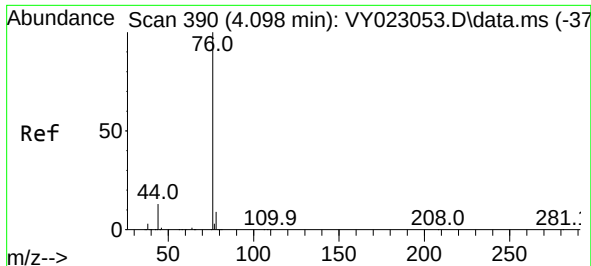
Tgt Ion: 53	Resp: 120151
Ion Ratio	Lower Upper
53	100
52	78.7 65.3 97.9
51	35.9 29.5 44.3



#16
Acetone
Concen: 102.193 ug/l
RT: 3.866 min Scan# 352
Delta R.T. 0.006 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion: 43	Resp: 113468
Ion Ratio	Lower Upper
43	100
58	36.0 27.1 40.7

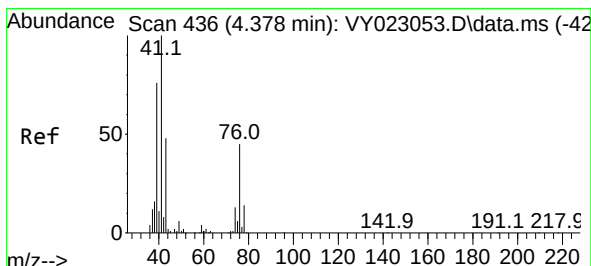
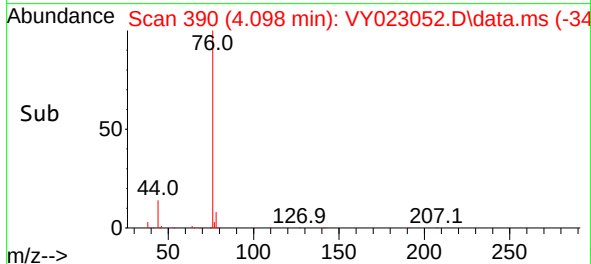
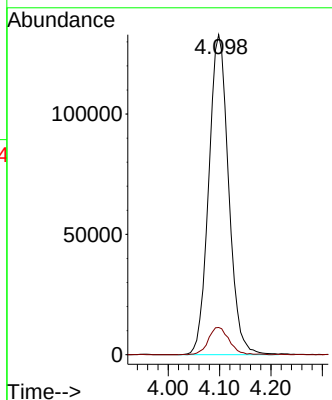
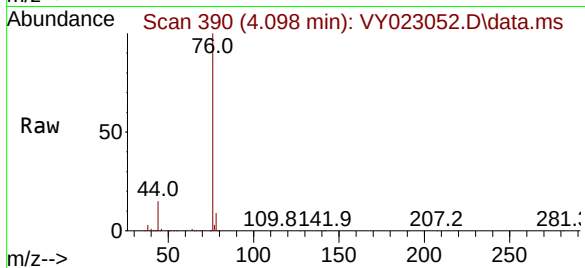




#17
Carbon Disulfide
Concen: 21.157 ug/l
RT: 4.098 min Scan# 390
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

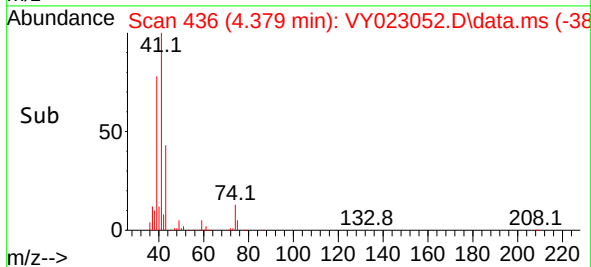
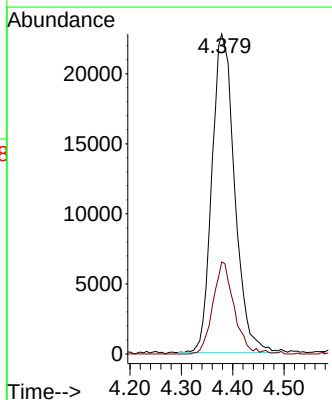
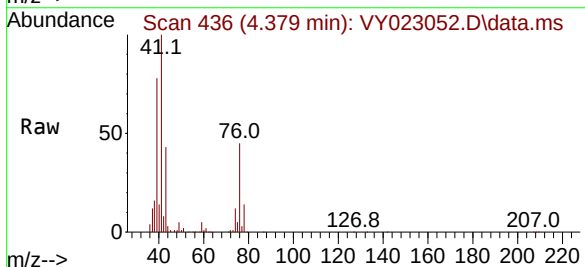
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

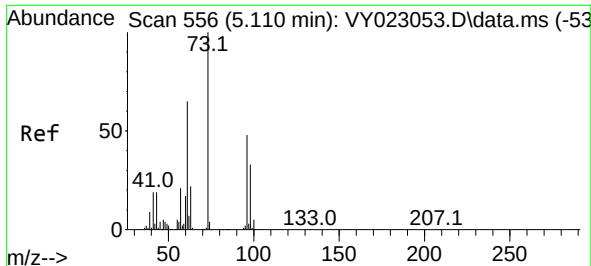
Tgt Ion: 76 Resp: 357484
Ion Ratio Lower Upper
76 100
78 8.5 7.4 11.2



#18
Methyl Acetate
Concen: 21.141 ug/l
RT: 4.379 min Scan# 436
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion: 43 Resp: 69853
Ion Ratio Lower Upper
43 100
74 27.0 21.2 31.8





#19

Methyl tert-butyl Ether

Concen: 20.767 ug/l

RT: 5.110 min Scan# 51

Delta R.T. 0.000 min

Lab File: VY023052.D

Acq: 12 Aug 2025 15:40

Instrument :

MSVOA_Y

ClientSampleId :

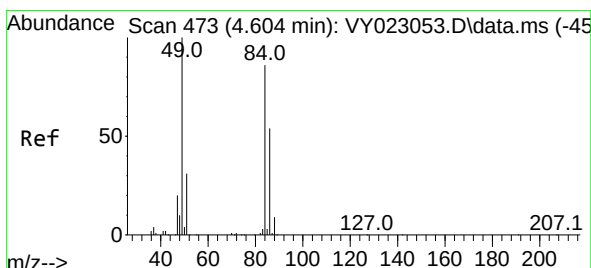
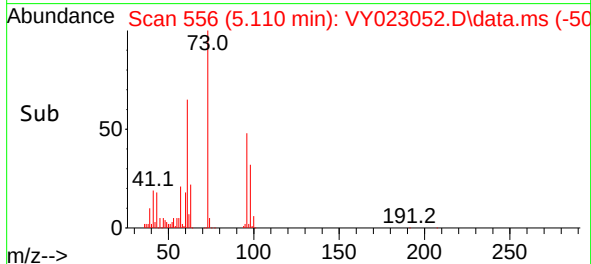
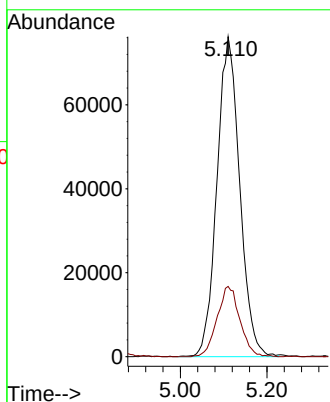
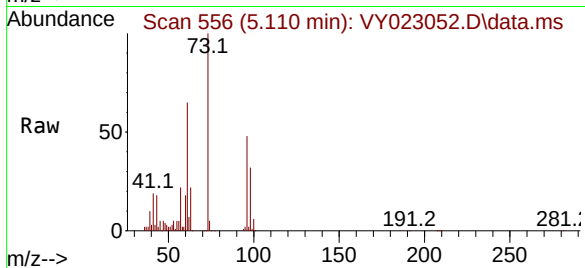
VSTDICC020

Tgt Ion: 73 Resp: 278863

Ion Ratio Lower Upper

73 100

57 21.9 17.1 25.7



#20

Methylene Chloride

Concen: 21.069 ug/l

RT: 4.610 min Scan# 474

Delta R.T. 0.006 min

Lab File: VY023052.D

Acq: 12 Aug 2025 15:40

Tgt Ion: 84 Resp: 130416

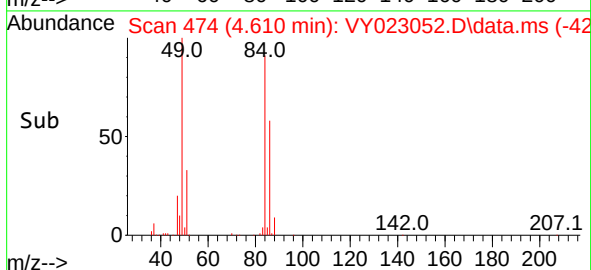
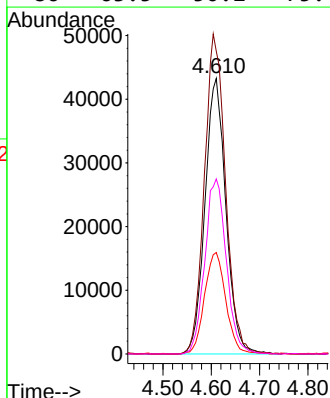
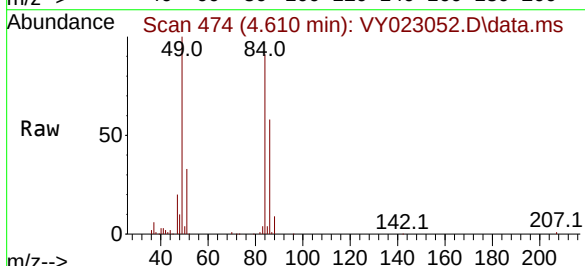
Ion Ratio Lower Upper

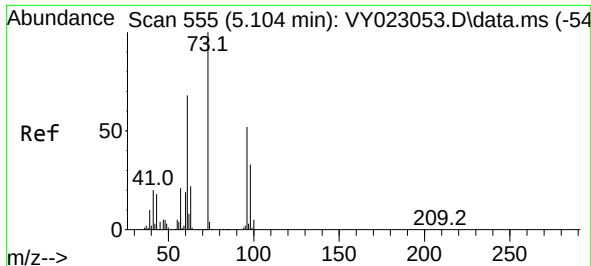
84 100

49 109.9 93.0 139.6

51 36.8 29.0 43.4

86 63.5 50.2 75.4

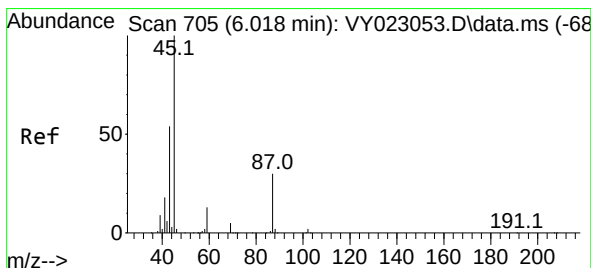
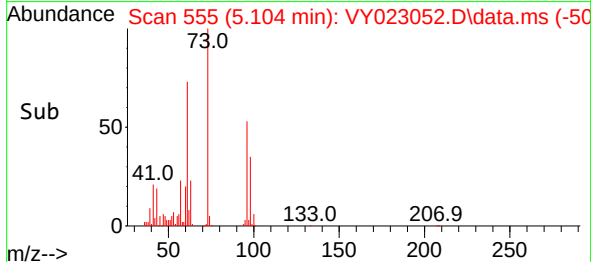
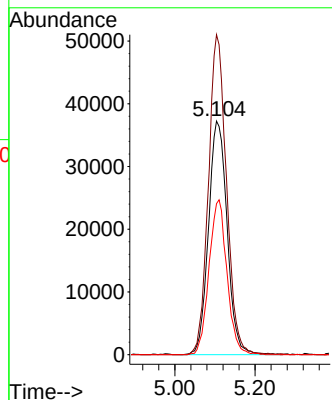
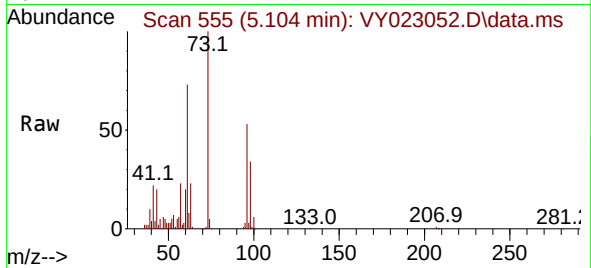




#21
trans-1,2-Dichloroethene
Concen: 20.661 ug/l
RT: 5.104 min Scan# 51
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

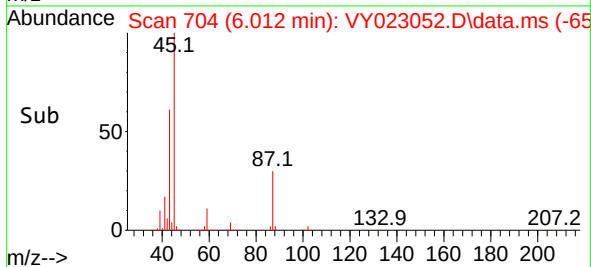
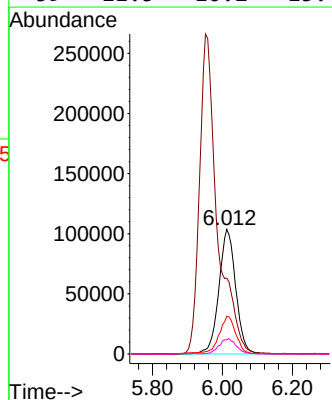
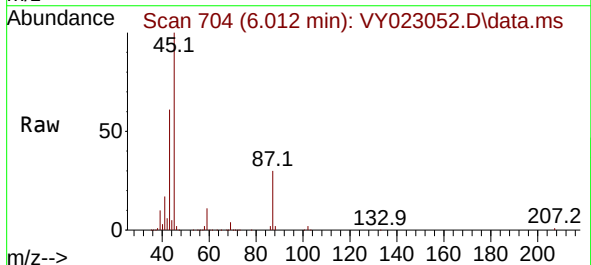
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

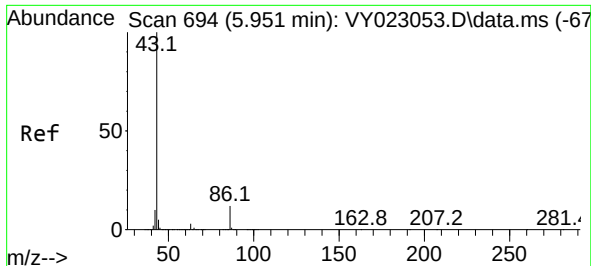
Tgt Ion: 96 Resp: 120321
Ion Ratio Lower Upper
96 100
61 137.0 104.8 157.2
98 64.7 50.1 75.1



#22
Diisopropyl ether
Concen: 20.894 ug/l
RT: 6.012 min Scan# 704
Delta R.T. -0.006 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion: 45 Resp: 346195
Ion Ratio Lower Upper
45 100
43 60.5 43.4 65.0
87 30.3 24.4 36.6
59 11.5 10.2 15.4

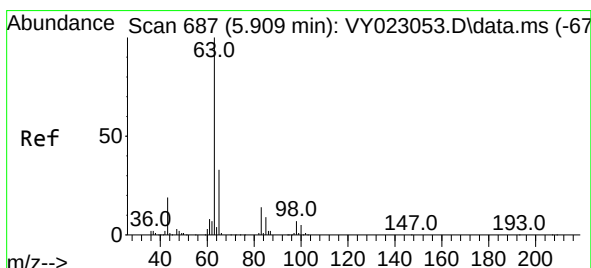
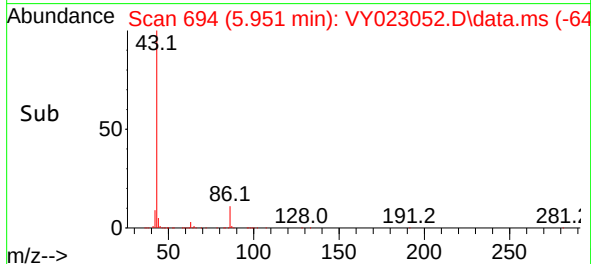
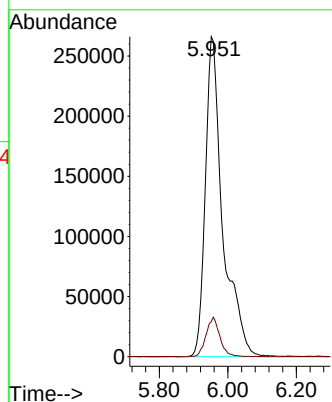
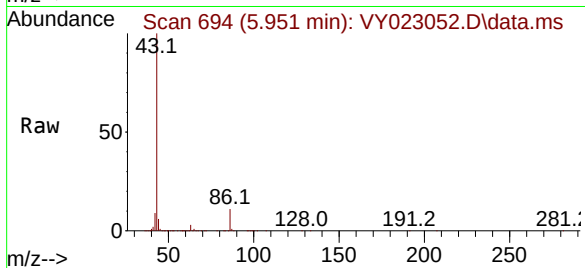




#23
 Vinyl Acetate
 Concen: 102.748 ug/l
 RT: 5.951 min Scan# 694
 Delta R.T. 0.000 min
 Lab File: VY023052.D
 Acq: 12 Aug 2025 15:40

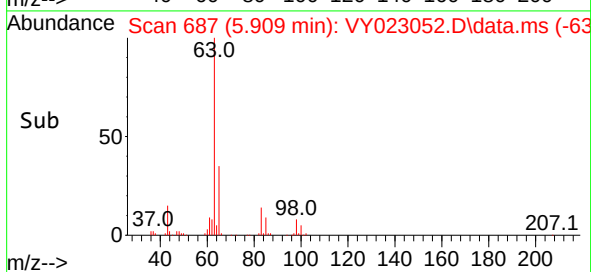
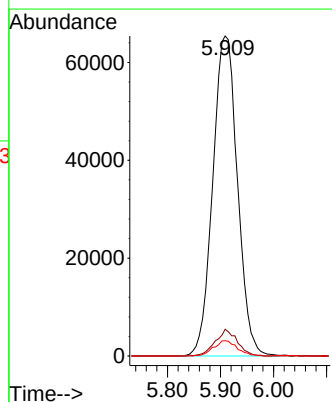
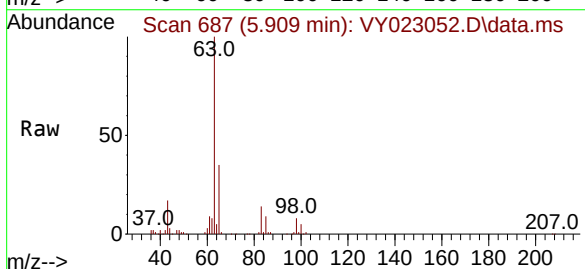
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

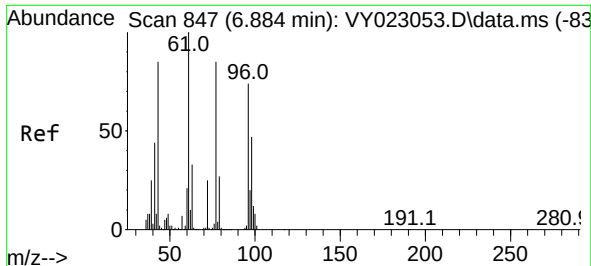
Tgt Ion: 43 Resp: 941364
 Ion Ratio Lower Upper
 43 100
 86 11.0 9.6 14.4



#24
 1,1-Dichloroethane
 Concen: 20.884 ug/l
 RT: 5.909 min Scan# 687
 Delta R.T. 0.000 min
 Lab File: VY023052.D
 Acq: 12 Aug 2025 15:40

Tgt Ion: 63 Resp: 211558
 Ion Ratio Lower Upper
 63 100
 98 8.4 3.5 10.6
 100 4.8 2.4 7.1

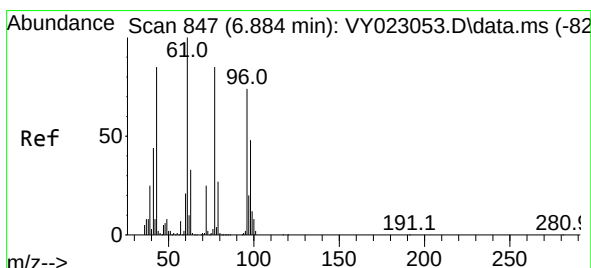
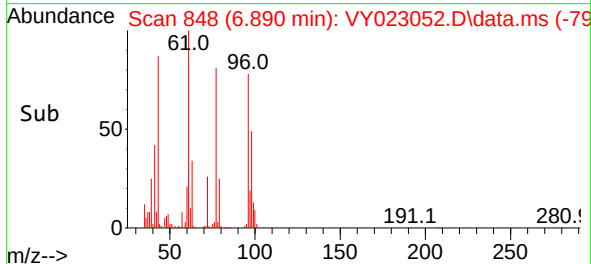
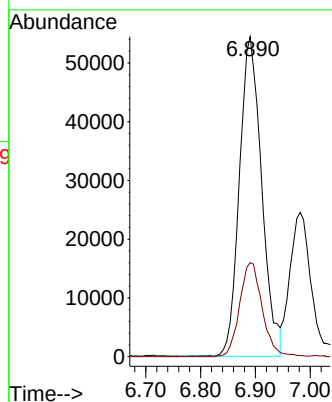
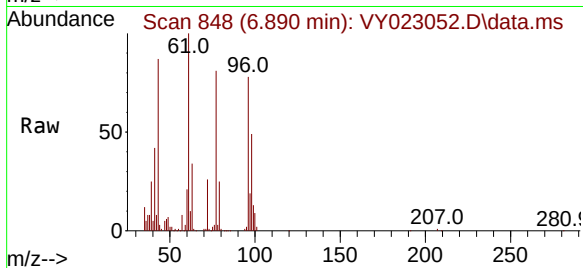




#25
2-Butanone
Concen: 101.559 ug/l
RT: 6.890 min Scan# 847
Delta R.T. 0.006 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

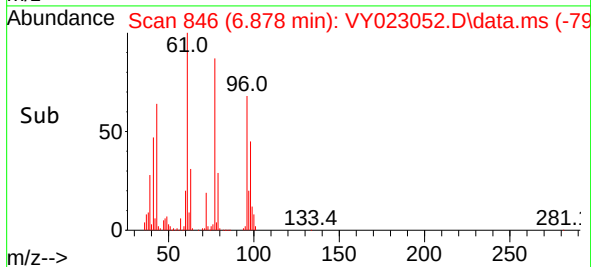
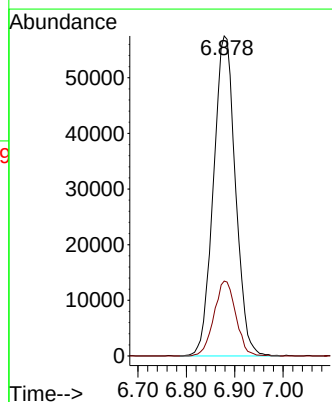
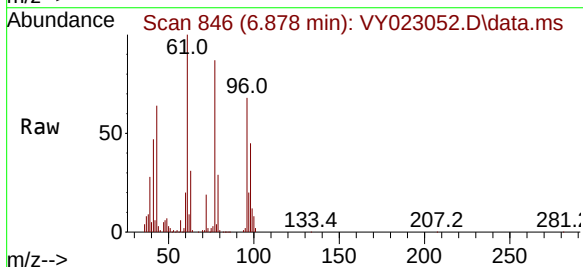
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

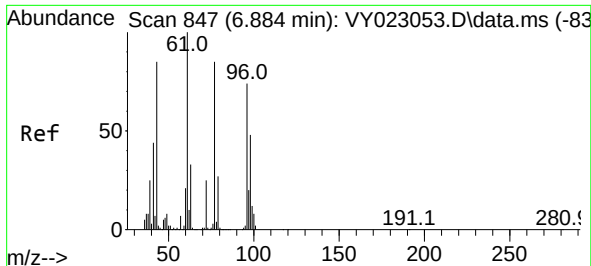
Tgt Ion: 43 Resp: 153363
Ion Ratio Lower Upper
43 100
72 29.5 23.5 35.3



#26
2,2-Dichloropropane
Concen: 20.767 ug/l
RT: 6.878 min Scan# 846
Delta R.T. -0.006 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion: 77 Resp: 181528
Ion Ratio Lower Upper
77 100
97 23.2 11.6 34.8

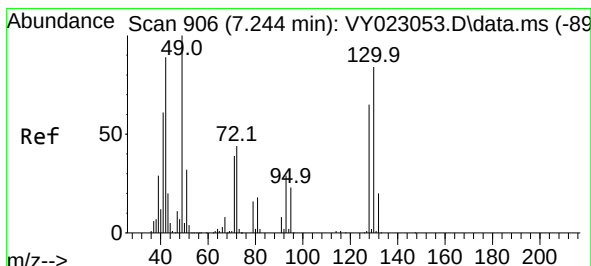
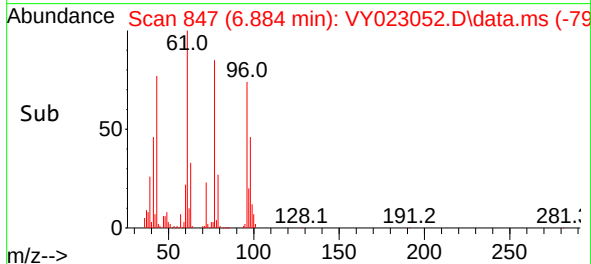
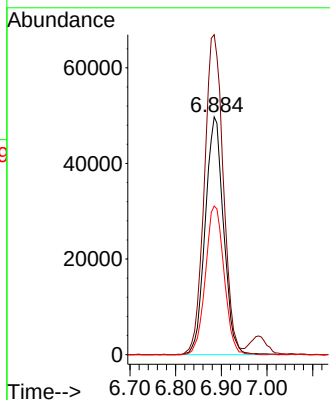
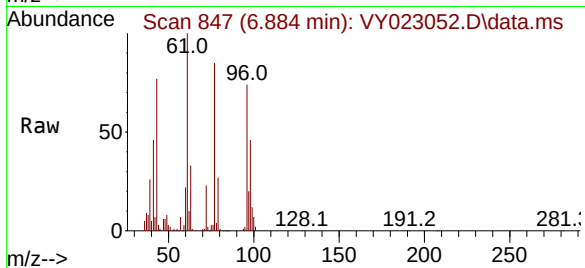




#27
 cis-1,2-Dichloroethene
 Concen: 20.613 ug/l
 RT: 6.884 min Scan# 847
 Delta R.T. 0.000 min
 Lab File: VY023052.D
 Acq: 12 Aug 2025 15:40

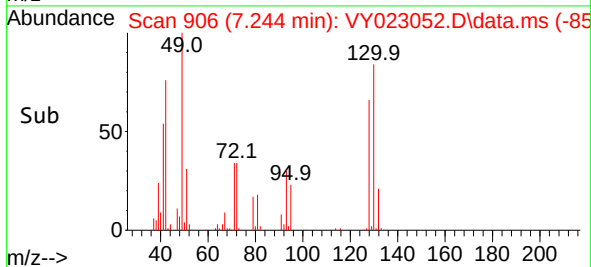
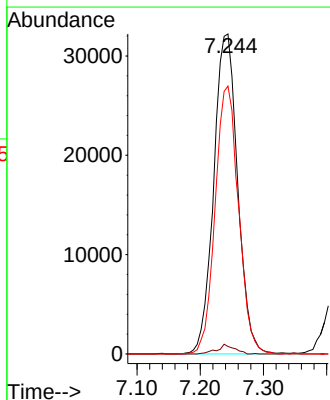
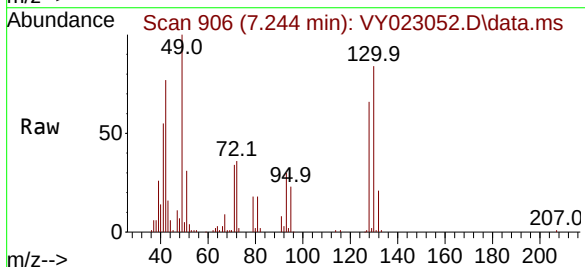
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

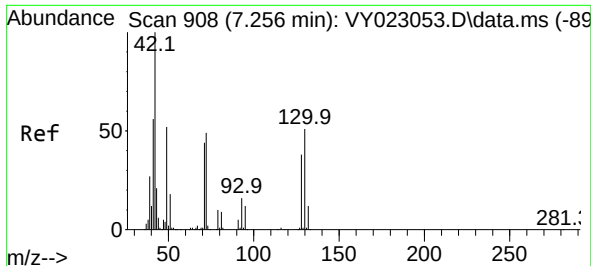
Tgt Ion: 96 Resp: 138775
 Ion Ratio Lower Upper
 96 100
 61 138.7 0.0 278.6
 98 63.4 0.0 130.4



#28
 Bromochloromethane
 Concen: 21.035 ug/l
 RT: 7.244 min Scan# 906
 Delta R.T. 0.000 min
 Lab File: VY023052.D
 Acq: 12 Aug 2025 15:40

Tgt Ion: 49 Resp: 84540
 Ion Ratio Lower Upper
 49 100
 129 2.2 0.0 4.2
 130 81.7 66.4 99.6





#29

Tetrahydrofuran

Concen: 102.341 ug/l

RT: 7.262 min Scan# 908

Delta R.T. 0.006 min

Lab File: VY023052.D

Acq: 12 Aug 2025 15:40

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC020

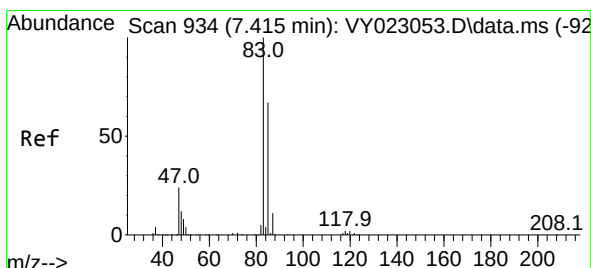
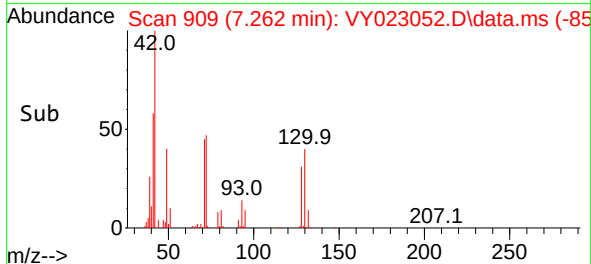
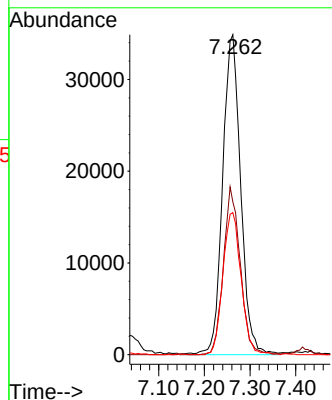
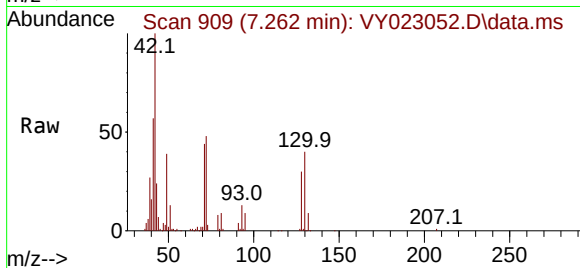
Tgt Ion: 42 Resp: 95795

Ion Ratio Lower Upper

42 100

72 48.8 39.4 59.2

71 44.8 36.5 54.7



#30

Chloroform

Concen: 20.635 ug/l

RT: 7.415 min Scan# 934

Delta R.T. 0.000 min

Lab File: VY023052.D

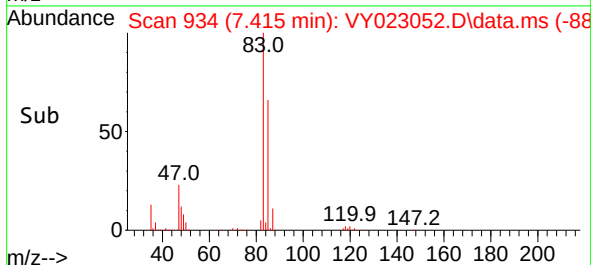
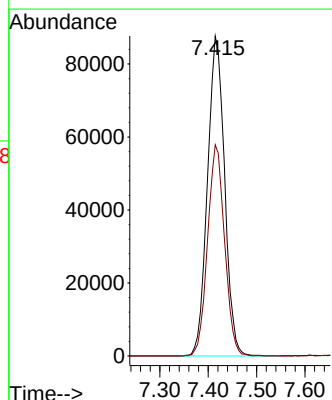
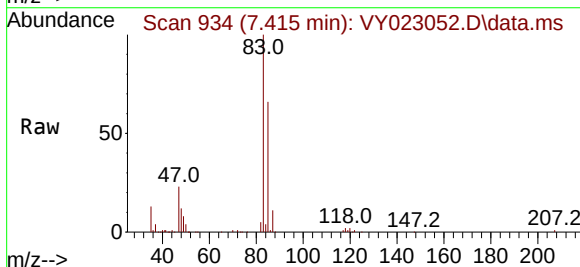
Acq: 12 Aug 2025 15:40

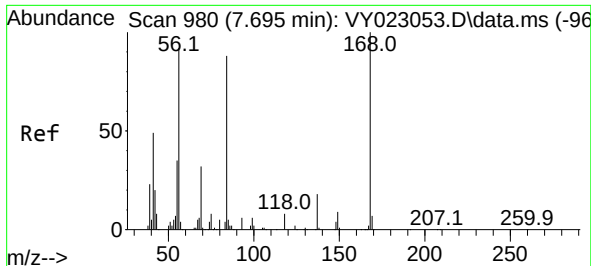
Tgt Ion: 83 Resp: 215585

Ion Ratio Lower Upper

83 100

85 66.0 53.8 80.8

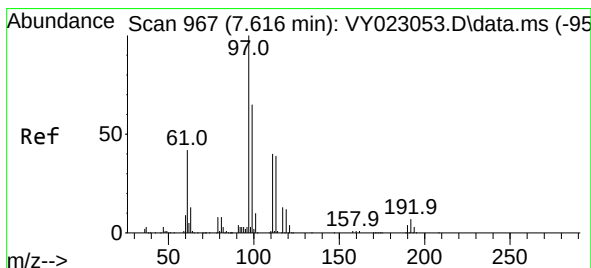
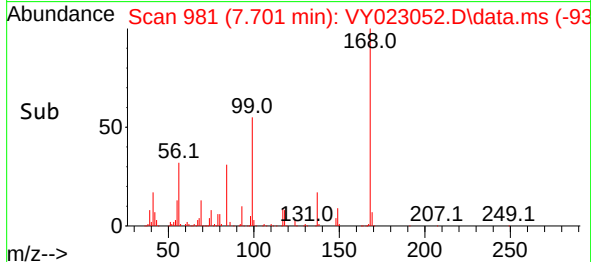
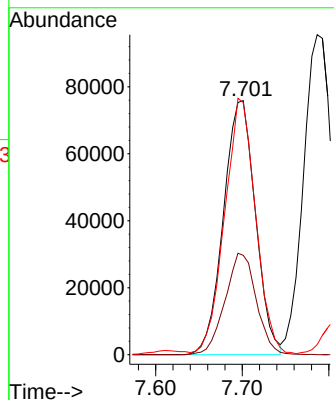
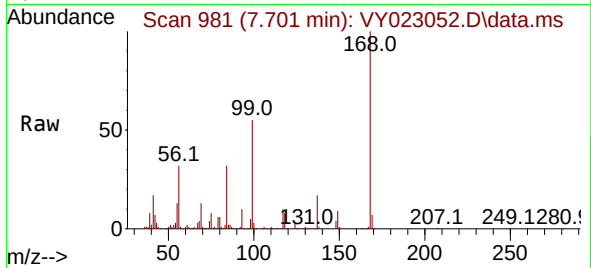




#31
Cyclohexane
Concen: 20.393 ug/l
RT: 7.701 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

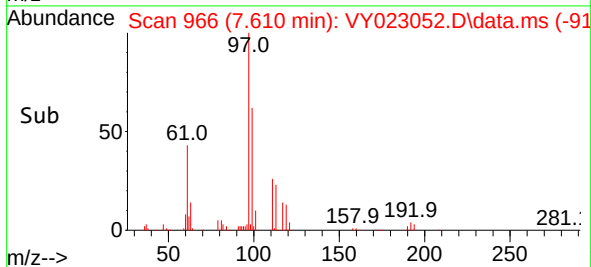
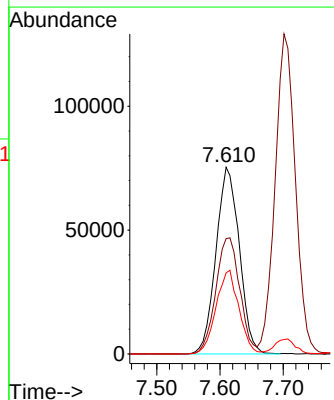
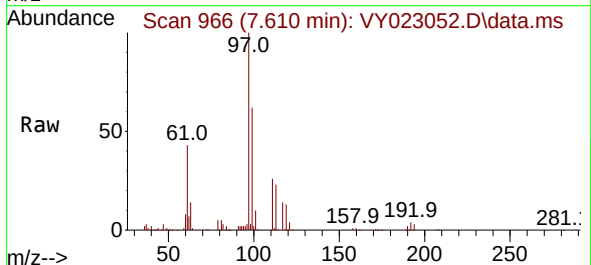
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

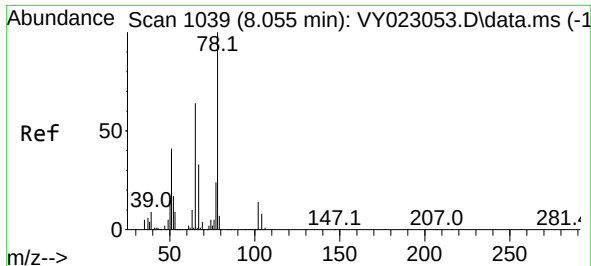
Tgt Ion: 56 Resp: 194671
Ion Ratio Lower Upper
56 100
69 39.1 28.2 42.2
84 98.0 76.6 114.8



#32
1,1,1-Trichloroethane
Concen: 20.848 ug/l
RT: 7.610 min Scan# 966
Delta R.T. -0.006 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion: 97 Resp: 193268
Ion Ratio Lower Upper
97 100
99 64.1 51.6 77.4
61 43.9 34.2 51.2





#33

1,2-Dichloroethane-d4

Concen: 20.244 ug/l

RT: 8.055 min Scan# 1039

Delta R.T. 0.000 min

Lab File: VY023052.D

Acq: 12 Aug 2025 15:40

Instrument :

MSVOA_Y

ClientSampleId :

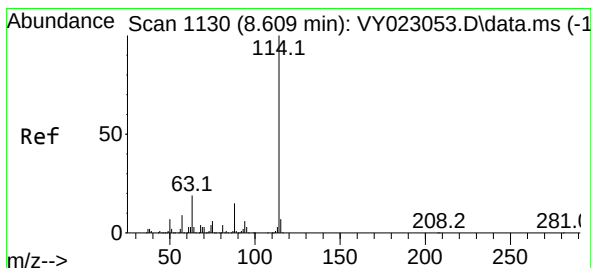
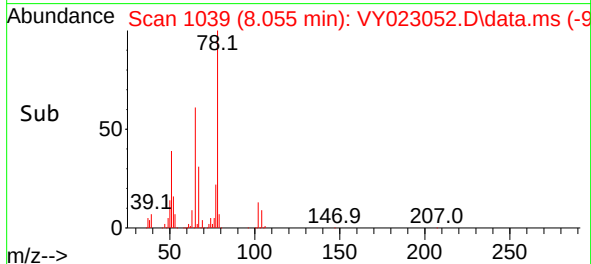
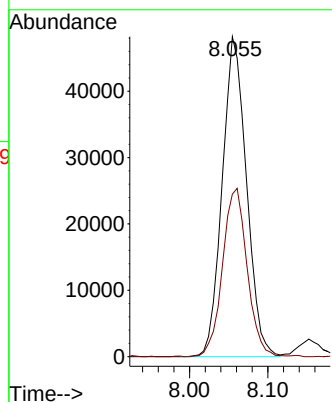
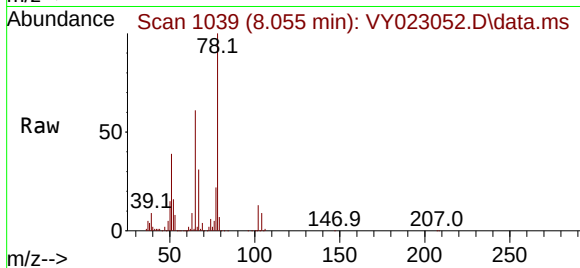
VSTDIC020

Tgt Ion: 65 Resp: 103755

Ion Ratio Lower Upper

65 100

67 53.4 0.0 106.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.610 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VY023052.D

Acq: 12 Aug 2025 15:40

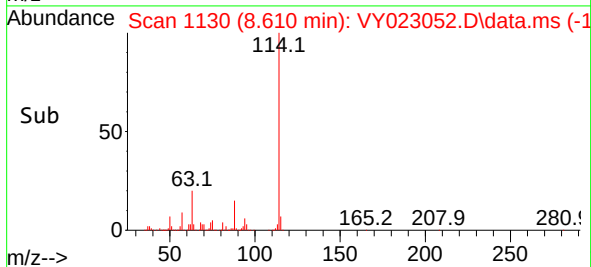
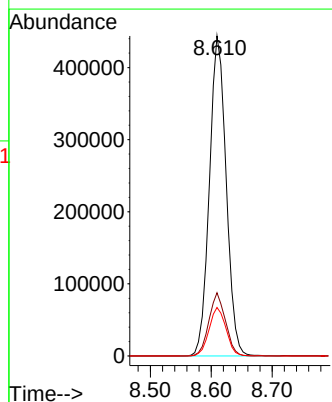
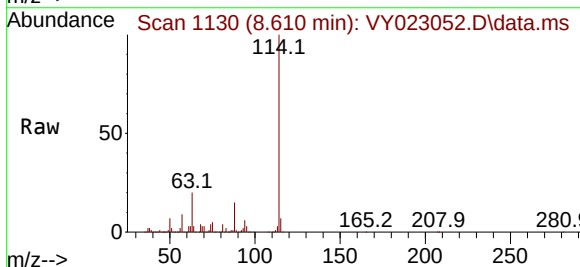
Tgt Ion: 114 Resp: 848953

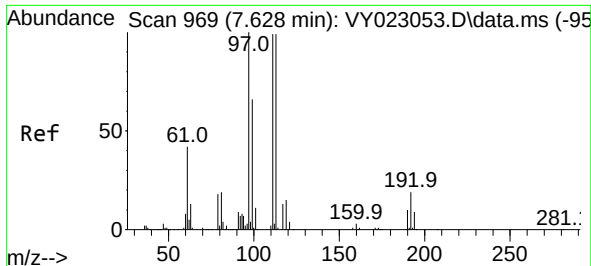
Ion Ratio Lower Upper

114 100

63 19.8 0.0 38.4

88 15.2 0.0 30.0

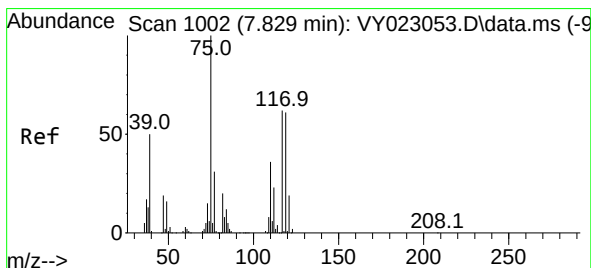
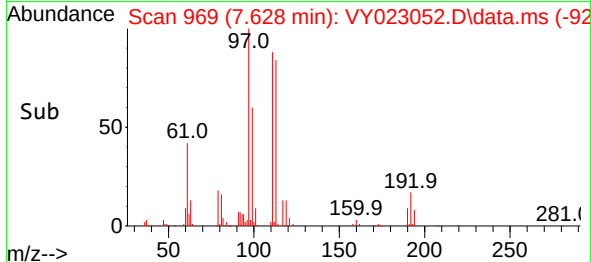
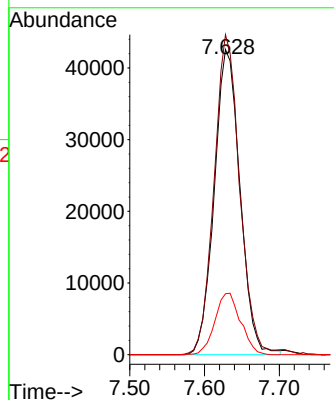
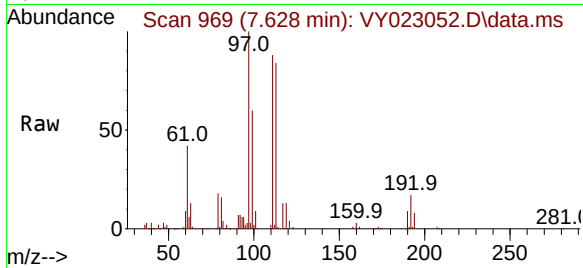




#35
Dibromofluoromethane
Concen: 20.093 ug/l
RT: 7.628 min Scan# 90
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

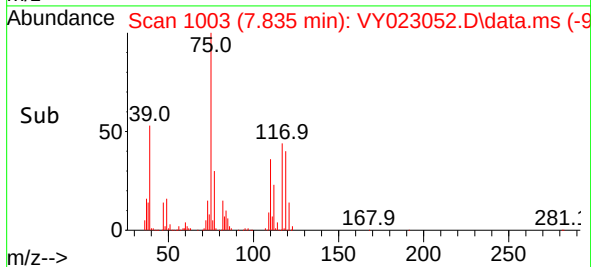
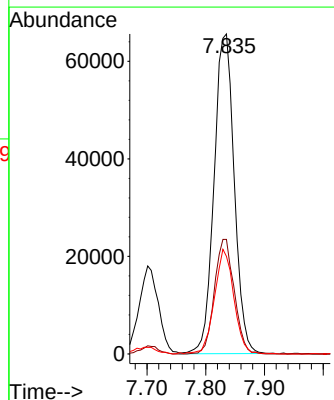
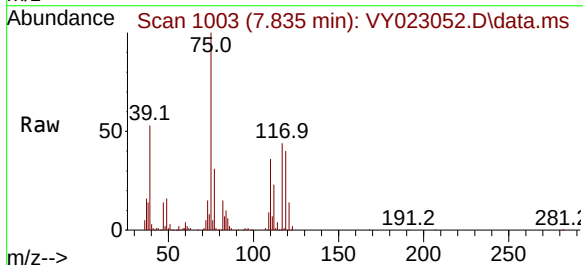
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

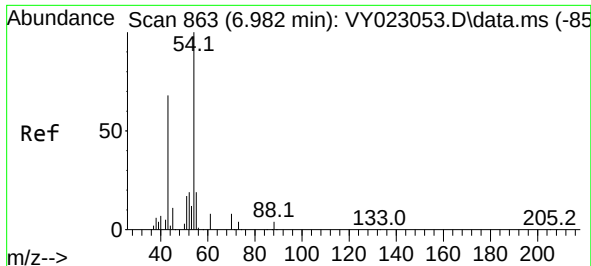
Tgt Ion:113 Resp: 102068
Ion Ratio Lower Upper
113 100
111 103.9 81.1 121.7
192 20.1 16.2 24.4



#36
1,1-Dichloropropene
Concen: 20.746 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.006 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion: 75 Resp: 156617
Ion Ratio Lower Upper
75 100
110 35.1 18.1 54.4
77 31.6 24.6 37.0

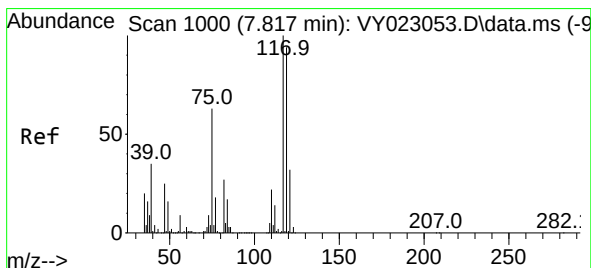
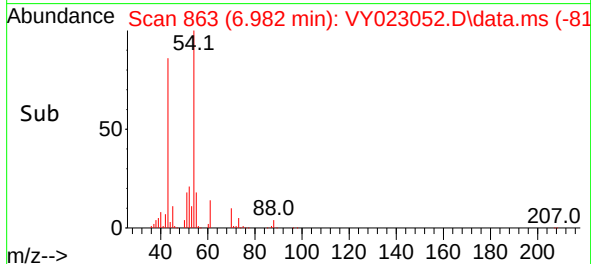
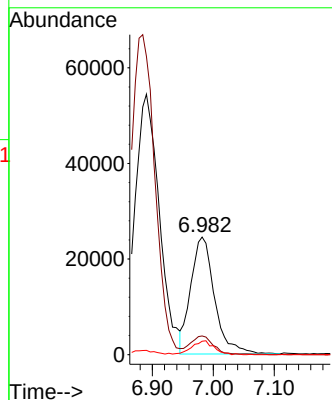
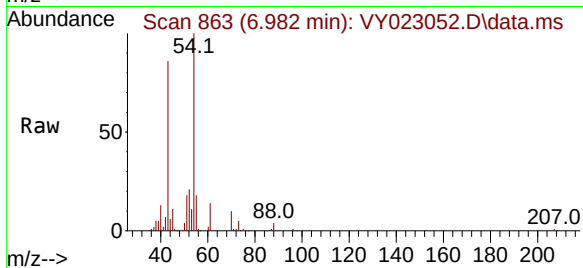




#37
Ethyl Acetate
Concen: 20.944 ug/l
RT: 6.982 min Scan# 863
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

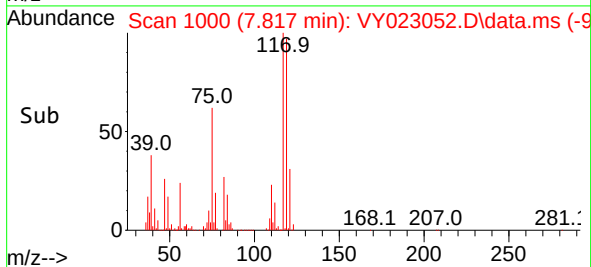
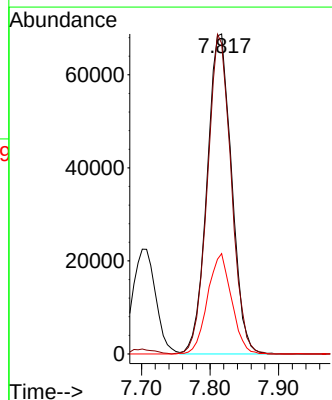
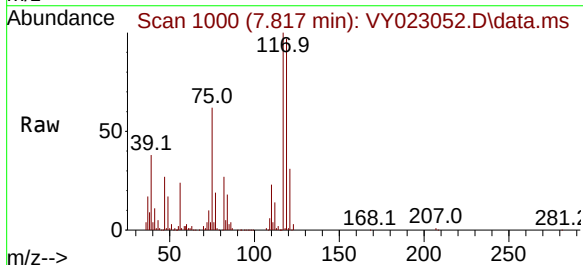
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

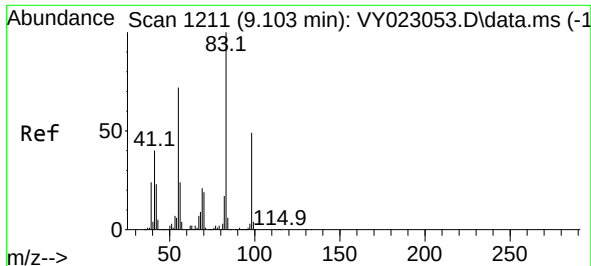
Tgt Ion:	43	Resp:	66420
Ion	Ratio	Lower	Upper
43	100		
61	14.8	11.9	17.9
70	11.0	8.8	13.2



#38
Carbon Tetrachloride
Concen: 20.897 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion:	117	Resp:	171344
Ion	Ratio	Lower	Upper
117	100		
119	97.0	75.6	113.4
121	31.3	25.8	38.8





#39

Methylcyclohexane

Concen: 20.680 ug/l

RT: 9.103 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY023052.D

Acq: 12 Aug 2025 15:40

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC020

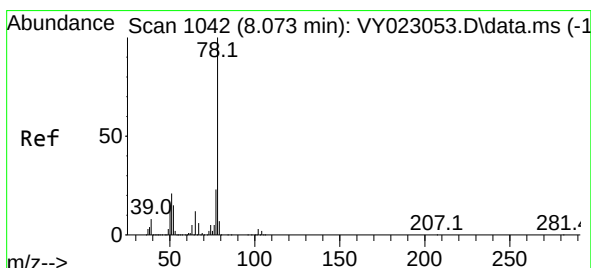
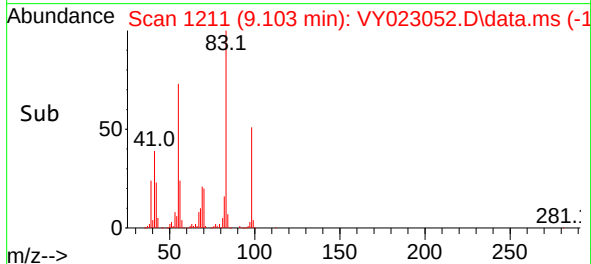
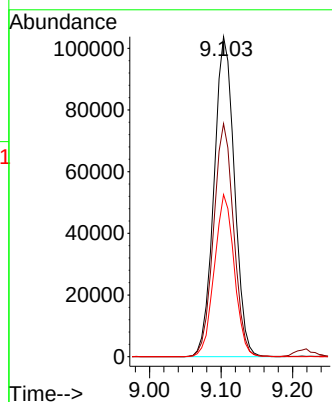
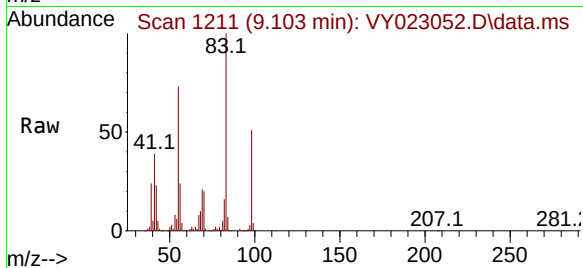
Tgt Ion: 83 Resp: 205594

Ion Ratio Lower Upper

83 100

55 72.8 57.6 86.4

98 50.7 39.2 58.8



#40

Benzene

Concen: 20.871 ug/l

RT: 8.079 min Scan# 1043

Delta R.T. 0.006 min

Lab File: VY023052.D

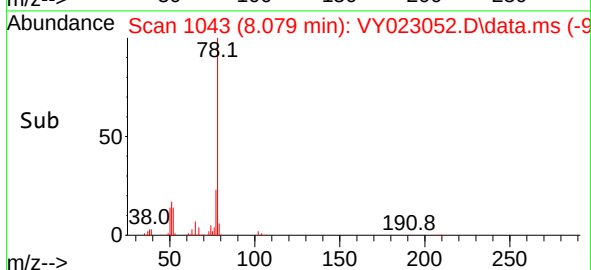
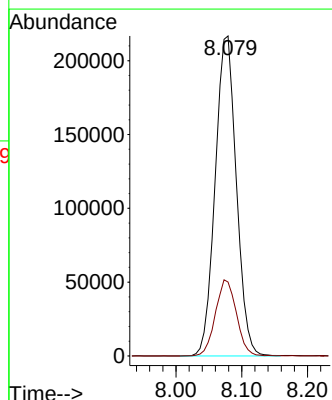
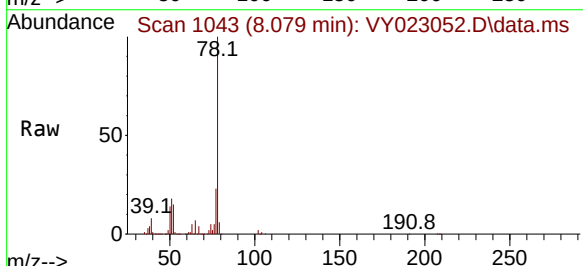
Acq: 12 Aug 2025 15:40

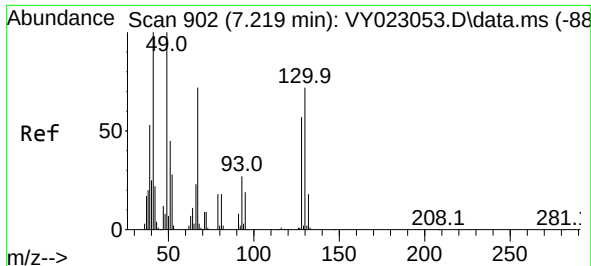
Tgt Ion: 78 Resp: 485631

Ion Ratio Lower Upper

78 100

77 23.1 18.6 28.0

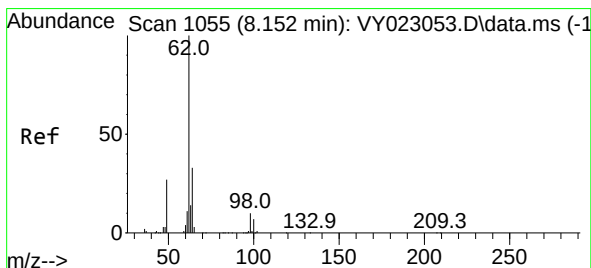
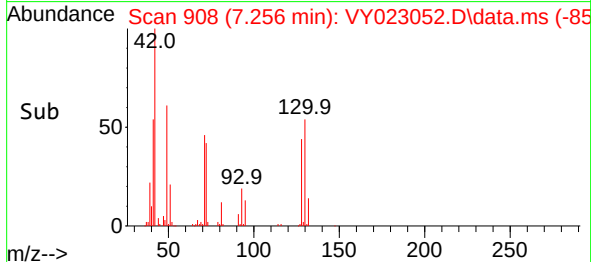
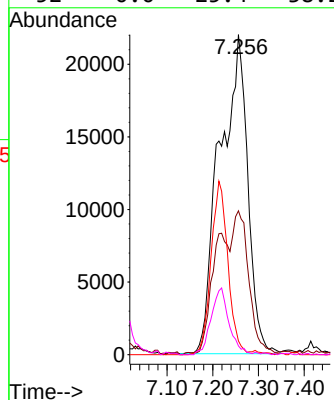
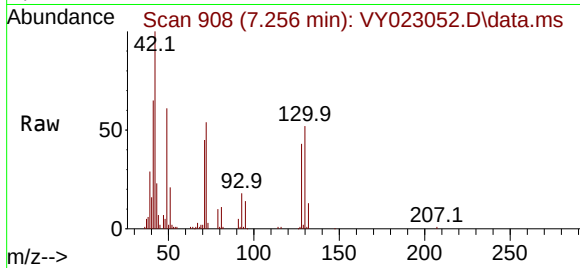




#41
Methacrylonitrile
Concen: 50.787 ug/l
RT: 7.256 min Scan# 90
Delta R.T. 0.037 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

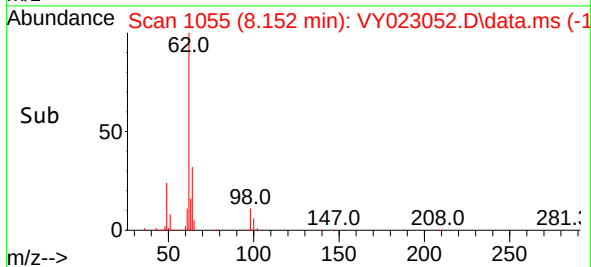
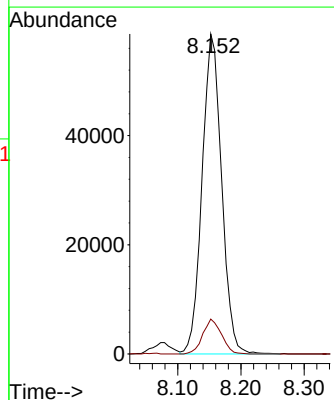
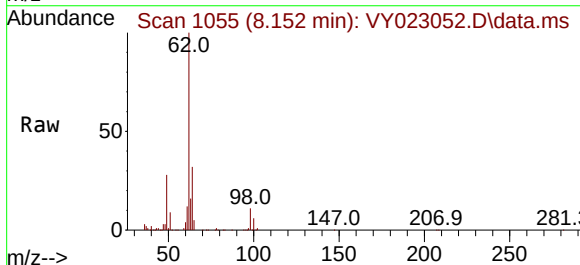
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

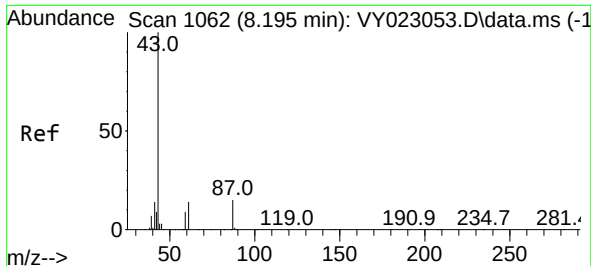
Tgt Ion: 41 Resp: 93052
Ion Ratio Lower Upper
41 100
39 25.3 43.4 65.2#
67 0.0 63.6 95.4#
52 0.0 25.4 38.2#



#42
1,2-Dichloroethane
Concen: 20.839 ug/l
RT: 8.152 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion: 62 Resp: 126111
Ion Ratio Lower Upper
62 100
98 10.4 0.0 20.6

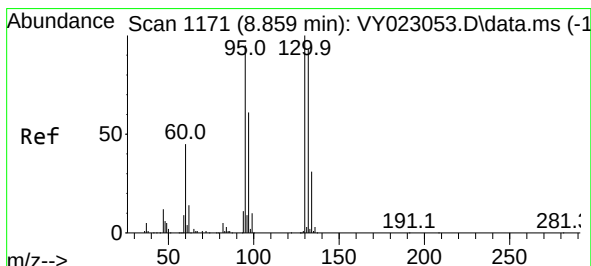
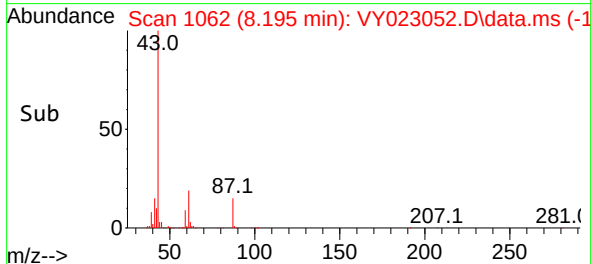
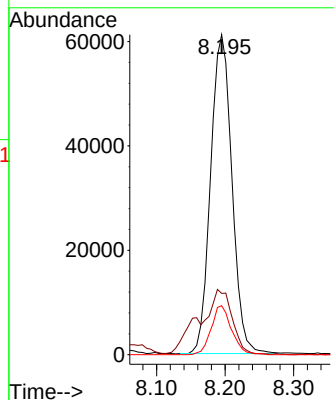
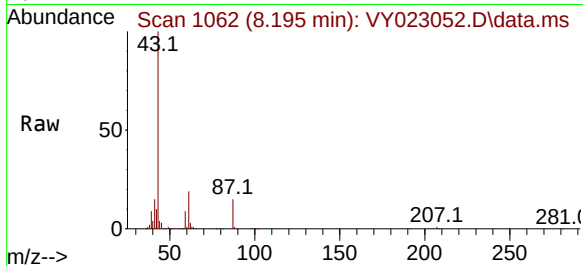




#43
Isopropyl Acetate
Concen: 20.571 ug/l
RT: 8.195 min Scan# 1062
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

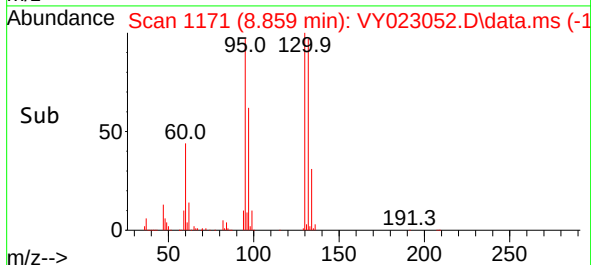
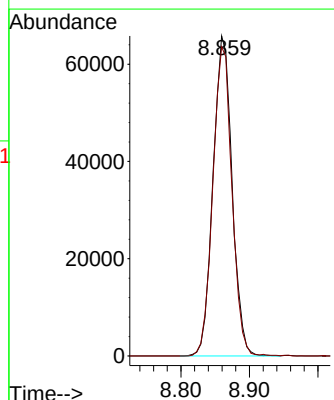
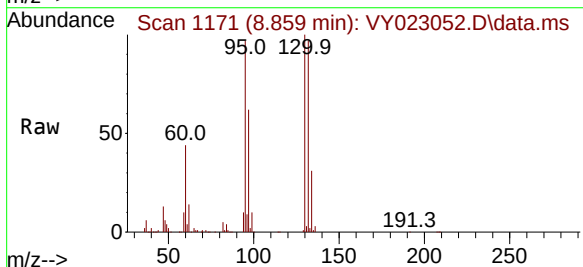
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

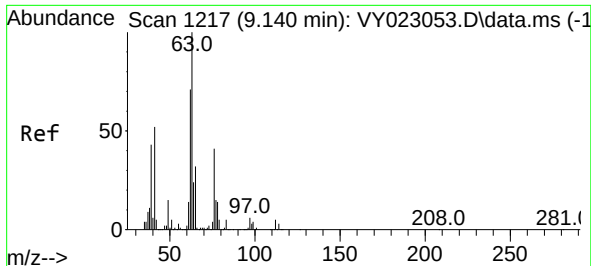
Tgt Ion:	43	Resp:	131854
Ion	Ratio	Lower	Upper
43	100		
61	22.2	16.4	24.6
87	14.7	11.8	17.6



#44
Trichloroethene
Concen: 21.083 ug/l
RT: 8.859 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion:	130	Resp:	126772
Ion	Ratio	Lower	Upper
130	100		
95	96.6	0.0	190.2





#45

1,2-Dichloropropane

Concen: 20.677 ug/l

RT: 9.134 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY023052.D

Acq: 12 Aug 2025 15:40

Instrument :

MSVOA_Y

ClientSampleId :

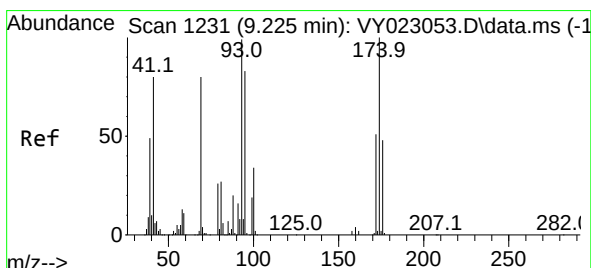
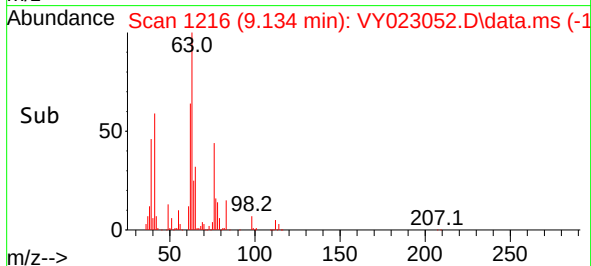
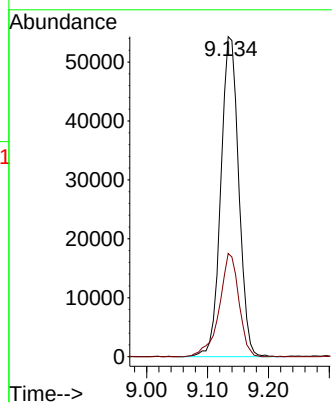
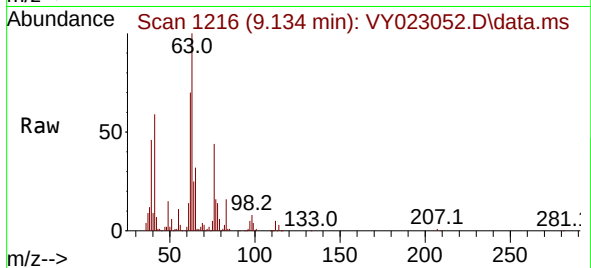
VSTDIC020

Tgt Ion: 63 Resp: 110699

Ion Ratio Lower Upper

63 100

65 32.2 25.3 37.9



#46

Dibromomethane

Concen: 20.635 ug/l

RT: 9.225 min Scan# 1231

Delta R.T. 0.000 min

Lab File: VY023052.D

Acq: 12 Aug 2025 15:40

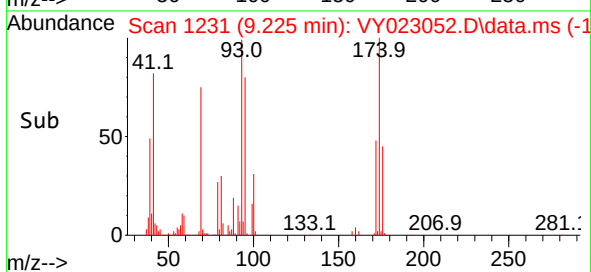
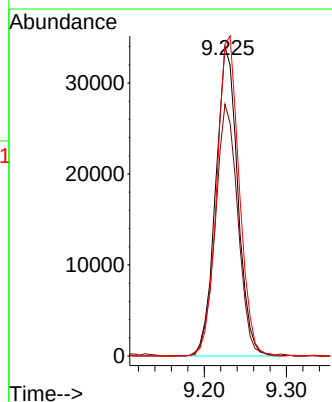
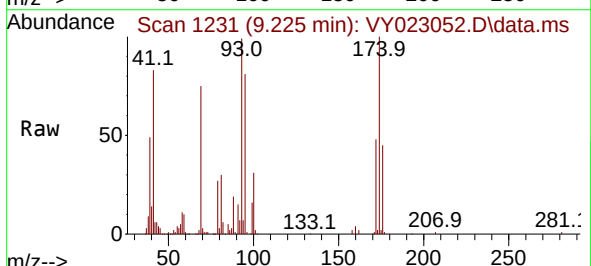
Tgt Ion: 93 Resp: 63410

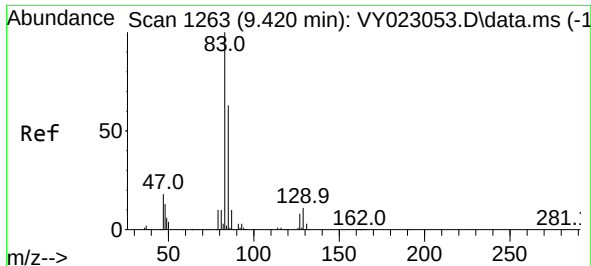
Ion Ratio Lower Upper

93 100

95 82.8 66.5 99.7

174 105.0 81.8 122.8

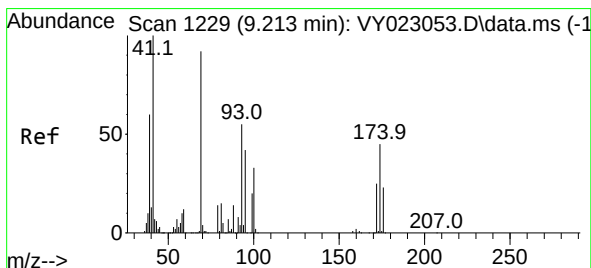
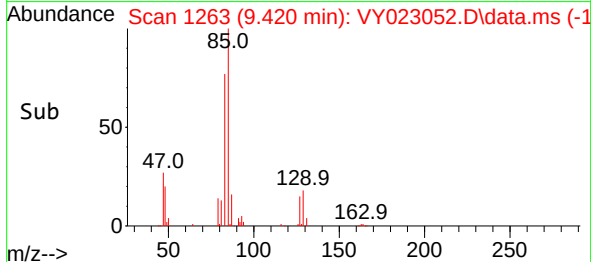
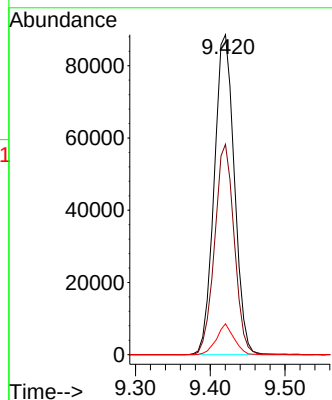
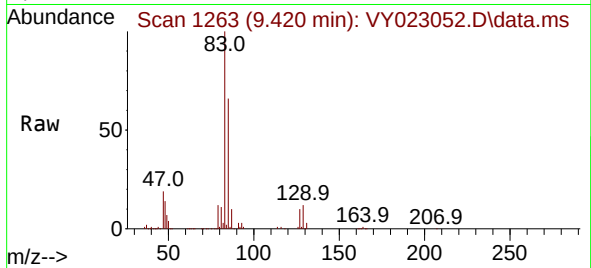




#47
Bromodichloromethane
Concen: 20.988 ug/l
RT: 9.420 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

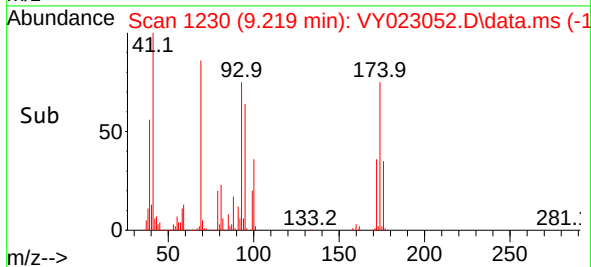
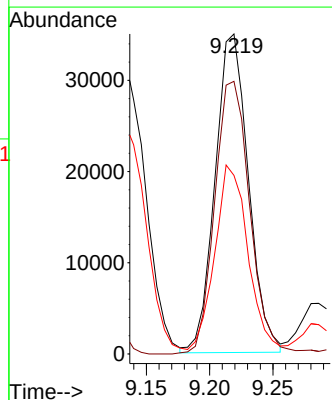
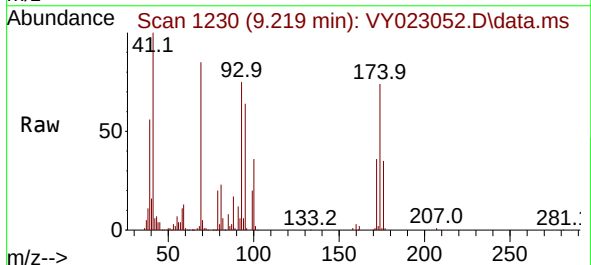
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

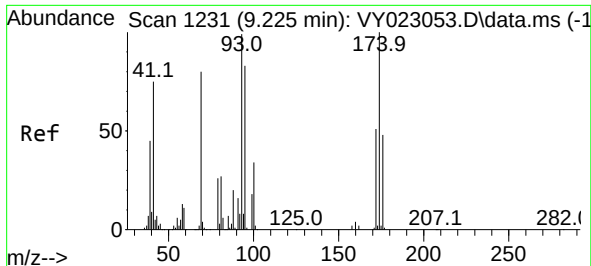
Tgt Ion: 83 Resp: 165954
Ion Ratio Lower Upper
83 100
85 65.8 50.2 75.4
127 9.6 6.6 10.0



#48
Methyl methacrylate
Concen: 20.905 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.006 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion: 41 Resp: 64120
Ion Ratio Lower Upper
41 100
69 89.9 73.2 109.8
39 57.0 47.0 70.4





#49

1,4-Dioxane

Concen: 411.480 ug/l

RT: 9.225 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY023052.D

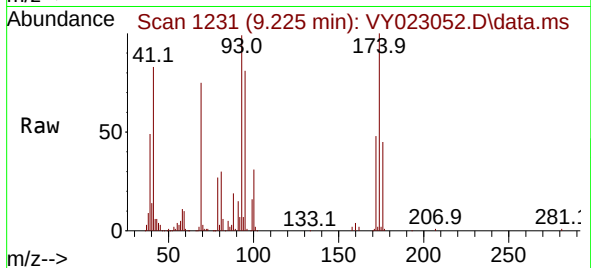
Acq: 12 Aug 2025 15:40

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC020



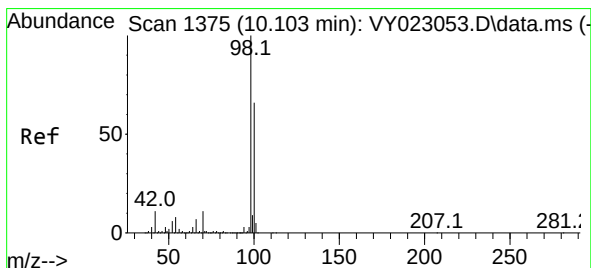
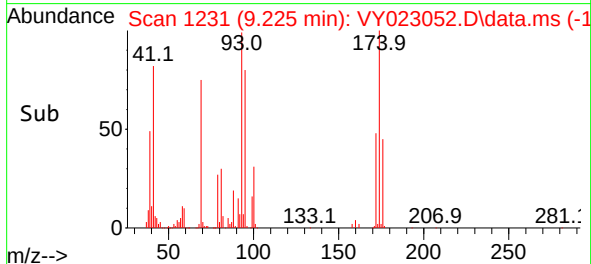
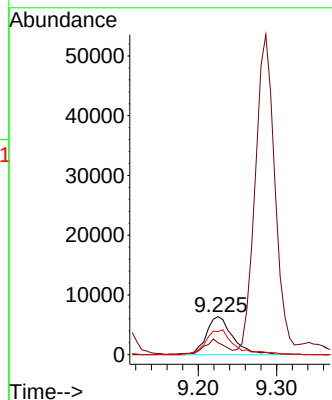
Tgt Ion: 88 Resp: 14826

Ion Ratio Lower Upper

88 100

43 29.7 24.3 36.5

58 71.4 55.4 83.0



#50

Toluene-d8

Concen: 20.075 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. 0.000 min

Lab File: VY023052.D

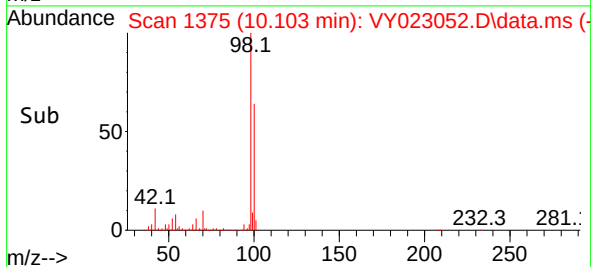
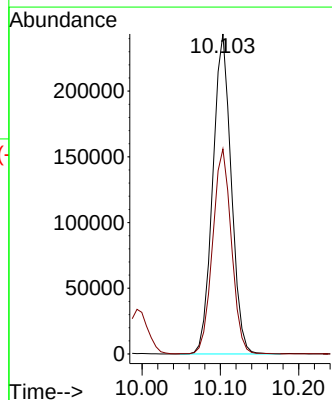
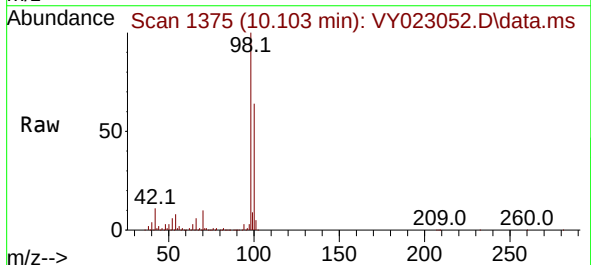
Acq: 12 Aug 2025 15:40

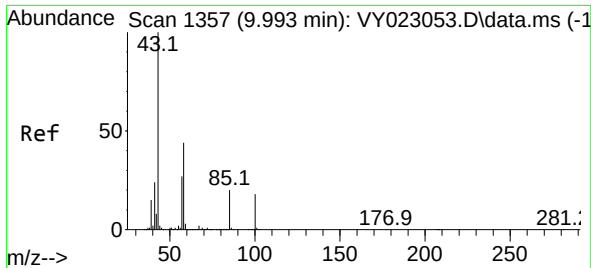
Tgt Ion: 98 Resp: 398394

Ion Ratio Lower Upper

98 100

100 65.0 52.3 78.5

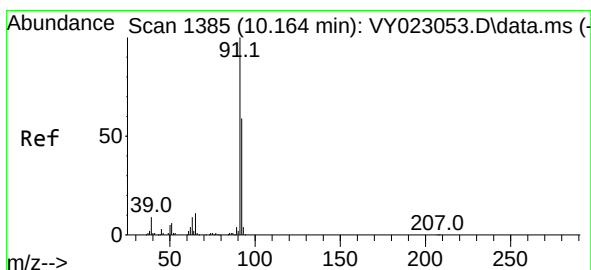
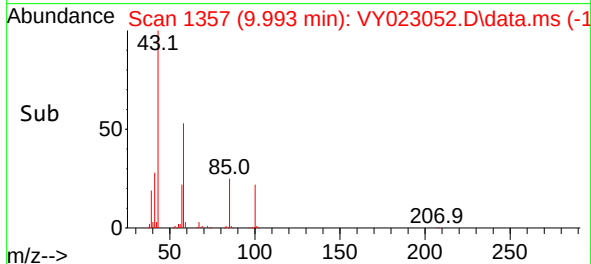
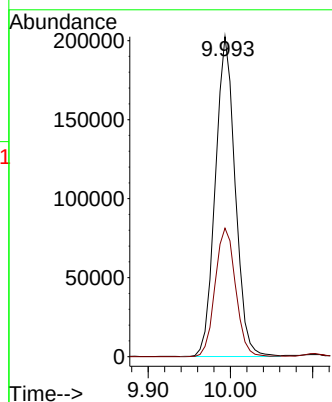
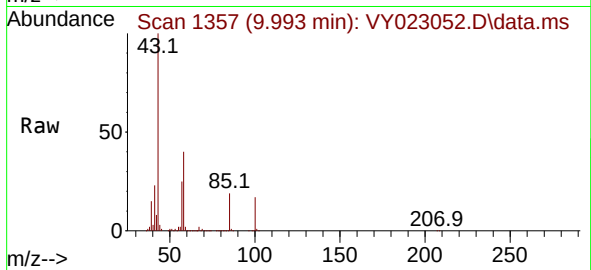




#51
4-Methyl-2-Pentanone
Concen: 102.622 ug/l
RT: 9.993 min Scan# 1357
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

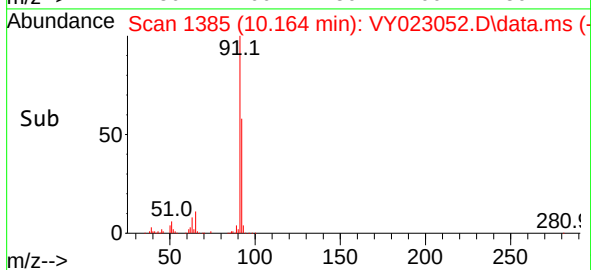
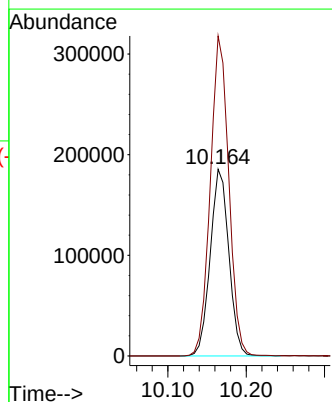
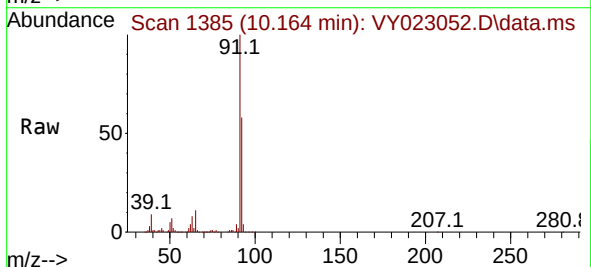
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

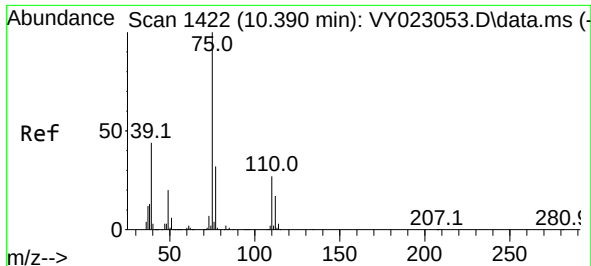
Tgt Ion: 43 Resp: 339298
Ion Ratio Lower Upper
43 100
58 41.6 33.5 50.3



#52
Toluene
Concen: 20.719 ug/l
RT: 10.164 min Scan# 1385
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion: 92 Resp: 306193
Ion Ratio Lower Upper
92 100
91 170.2 136.4 204.6

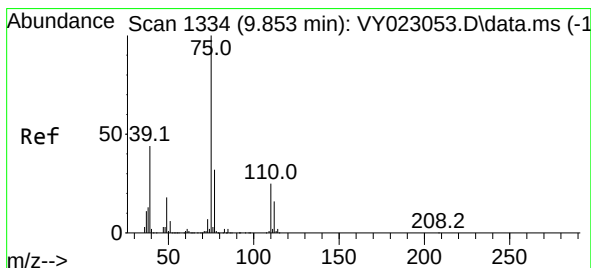
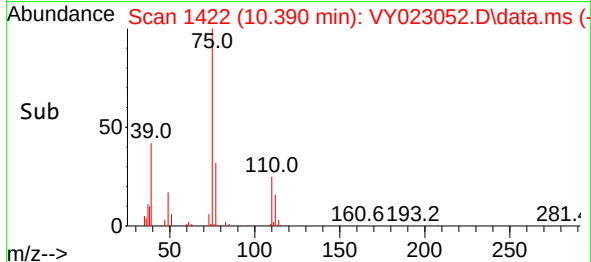
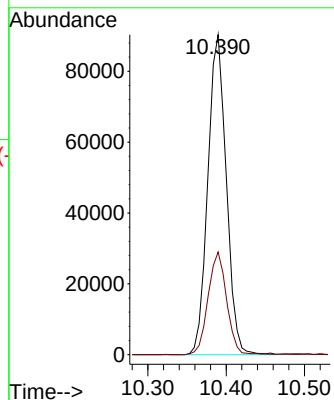
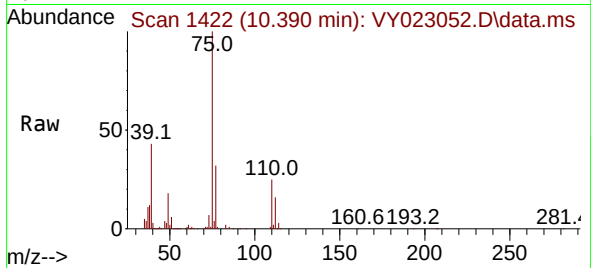




#53
t-1,3-Dichloropropene
Concen: 20.627 ug/l
RT: 10.390 min Scan# 1422
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

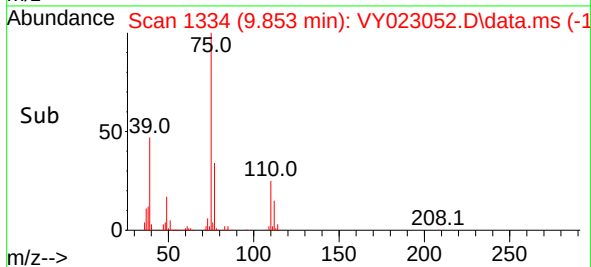
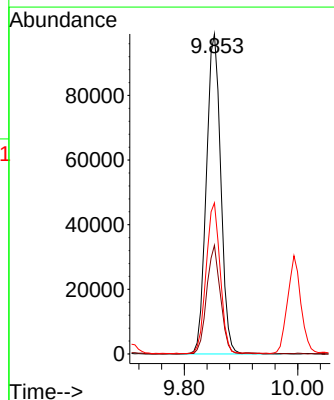
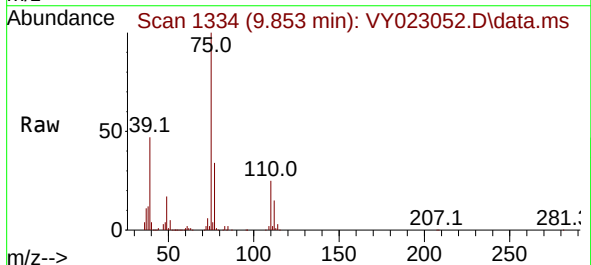
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

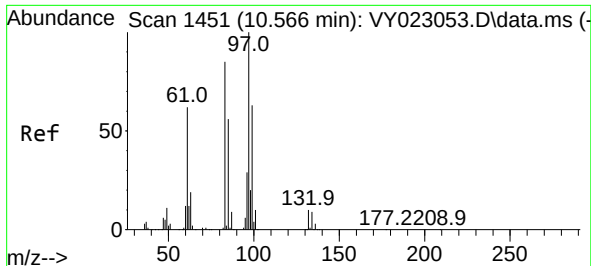
Tgt Ion: 75 Resp: 147696
Ion Ratio Lower Upper
75 100
77 32.1 25.7 38.5



#54
cis-1,3-Dichloropropene
Concen: 20.580 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion: 75 Resp: 174243
Ion Ratio Lower Upper
75 100
77 33.9 25.4 38.0
39 47.1 35.6 53.4



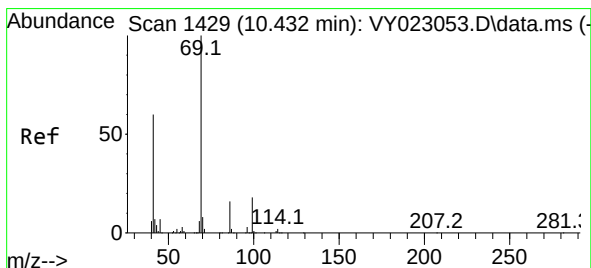
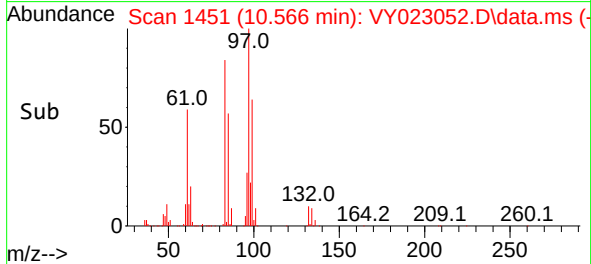
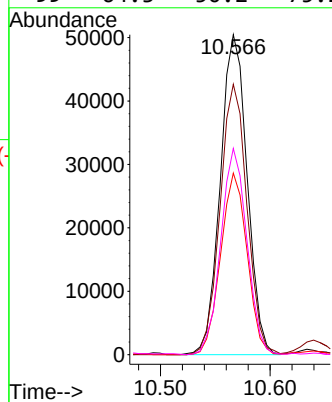
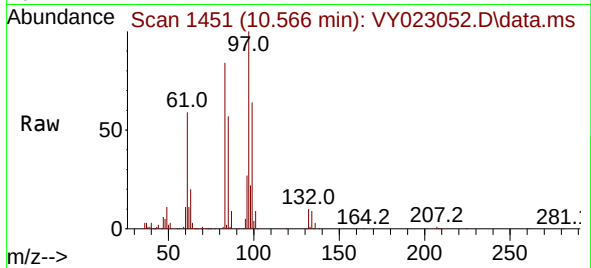


#55
1,1,2-Trichloroethane
Concen: 20.920 ug/l
RT: 10.566 min Scan# 1451
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tgt Ion: 97 Resp: 86022

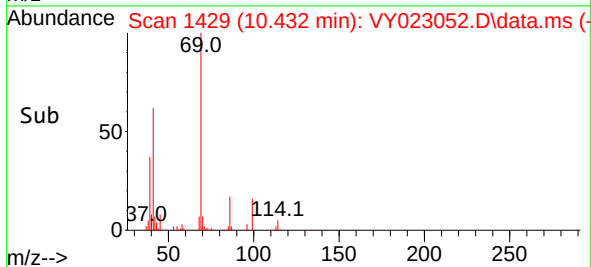
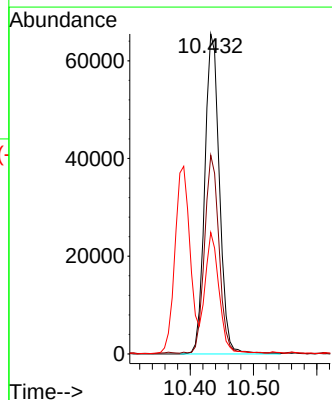
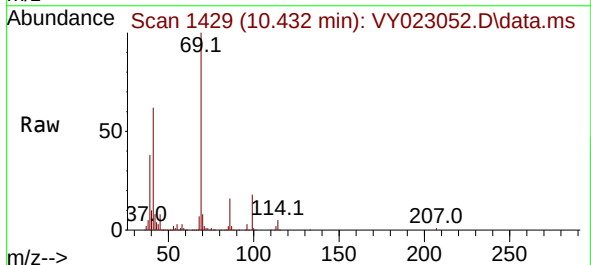
Ion	Ratio	Lower	Upper
97	100		
83	84.5	67.7	101.5
85	56.7	44.5	66.7
99	64.3	50.2	75.2

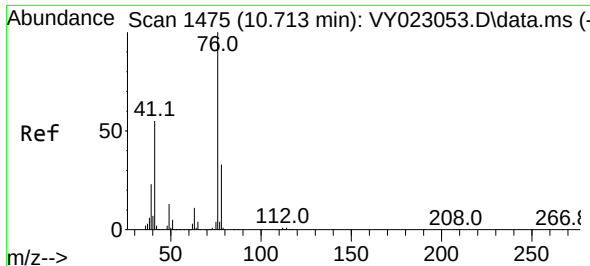


#56
Ethyl methacrylate
Concen: 20.111 ug/l
RT: 10.432 min Scan# 1429
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion: 69 Resp: 105816

Ion	Ratio	Lower	Upper
69	100		
41	61.2	48.6	72.8
39	34.7	27.0	40.4





#57

1,3-Dichloropropane

Concen: 20.882 ug/l

RT: 10.713 min Scan# 1475

Delta R.T. 0.000 min

Lab File: VY023052.D

Acq: 12 Aug 2025 15:40

Instrument :

MSVOA_Y

ClientSampleId :

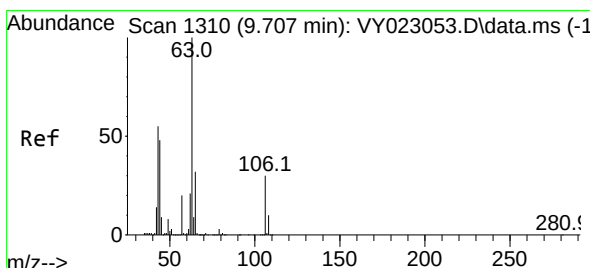
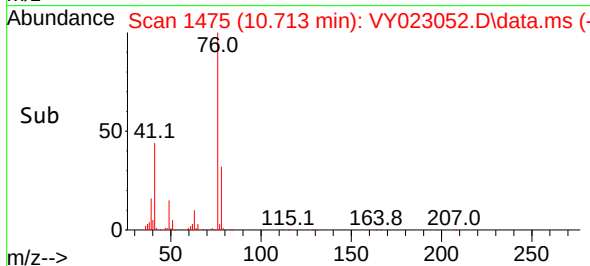
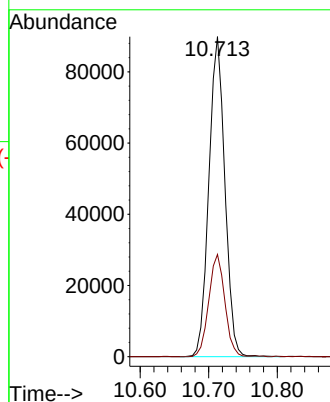
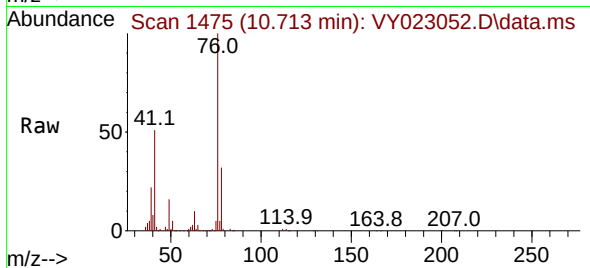
VSTDICC020

Tgt Ion: 76 Resp: 145621

Ion Ratio Lower Upper

76 100

78 32.1 26.0 39.0



#58

2-Chloroethyl Vinyl ether

Concen: 98.450 ug/l

RT: 9.707 min Scan# 1310

Delta R.T. 0.000 min

Lab File: VY023052.D

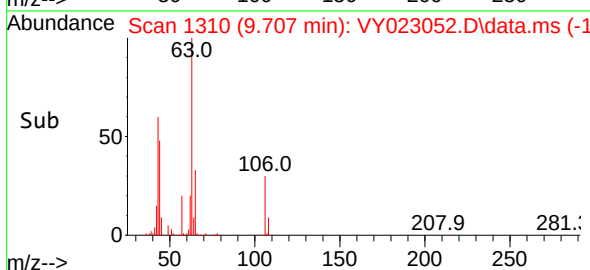
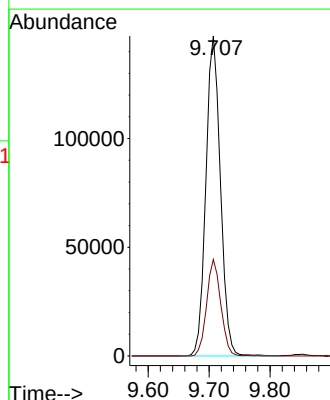
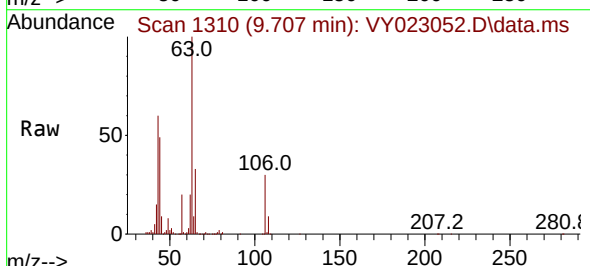
Acq: 12 Aug 2025 15:40

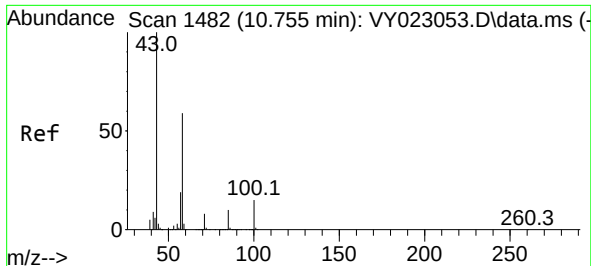
Tgt Ion: 63 Resp: 244340

Ion Ratio Lower Upper

63 100

106 29.3 23.2 34.8

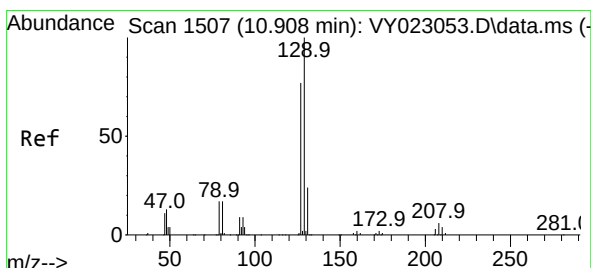
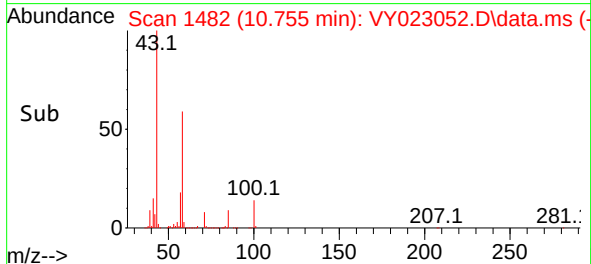
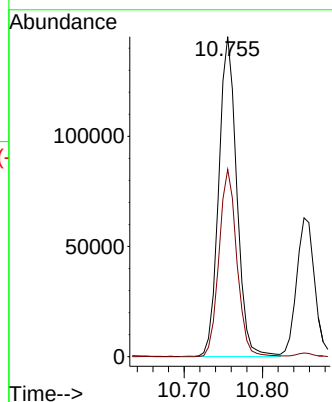
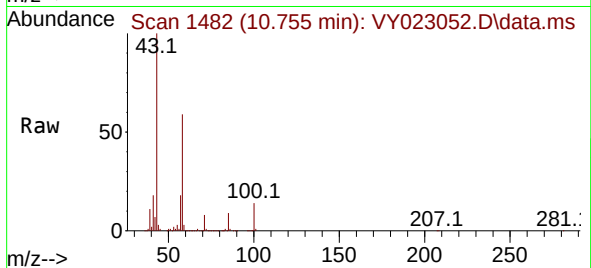




#59
2-Hexanone
Concen: 102.992 ug/l
RT: 10.755 min Scan# 1482
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

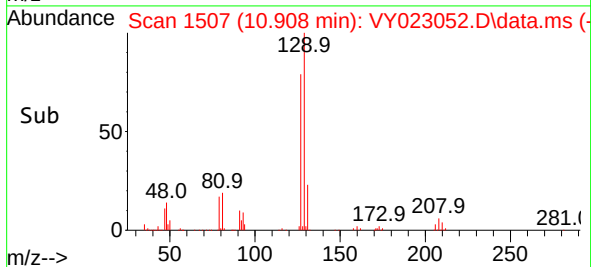
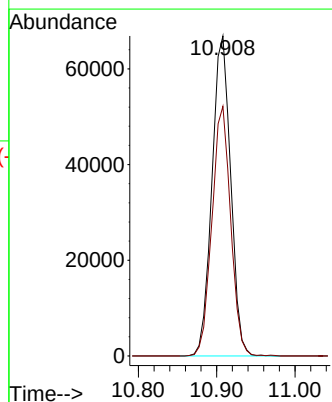
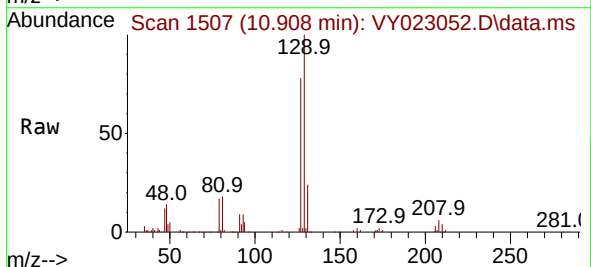
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

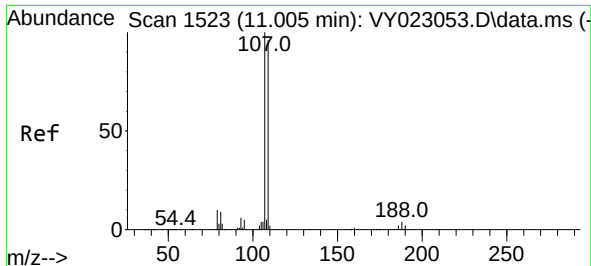
Tgt Ion: 43 Resp: 231872
Ion Ratio Lower Upper
43 100
58 58.1 29.5 88.5



#60
Dibromochloromethane
Concen: 20.424 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion: 129 Resp: 110810
Ion Ratio Lower Upper
129 100
127 78.0 38.5 115.5

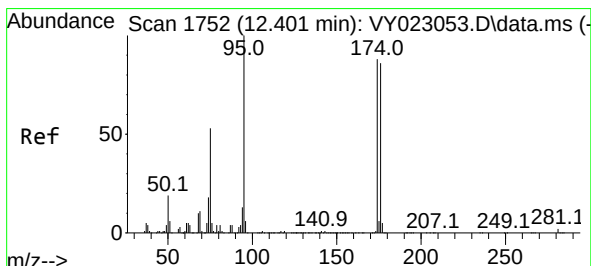
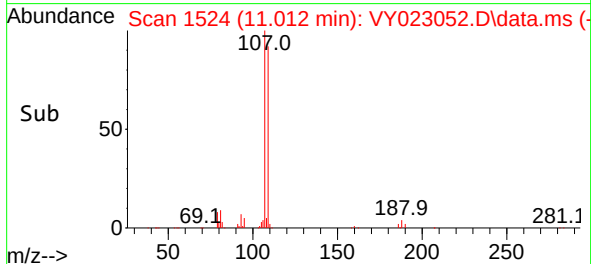
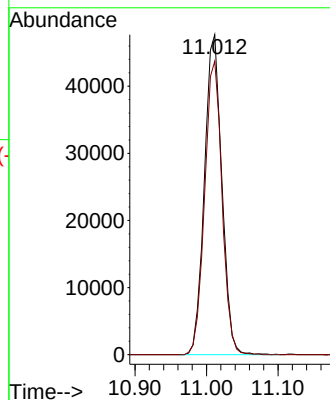
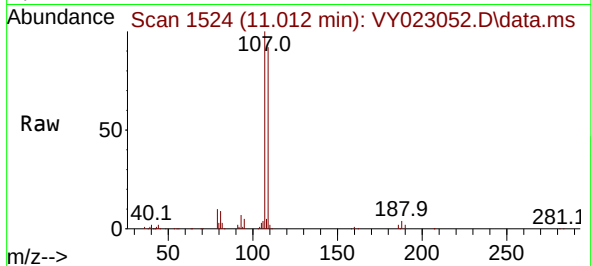




#61
1,2-Dibromoethane
Concen: 20.842 ug/l
RT: 11.012 min Scan# 1524
Delta R.T. 0.006 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

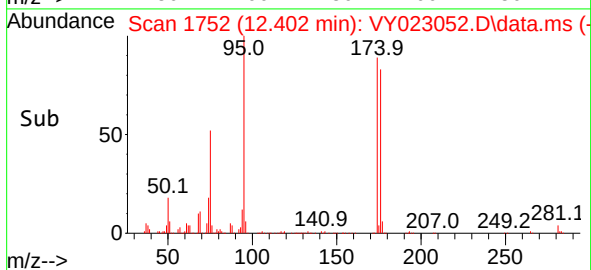
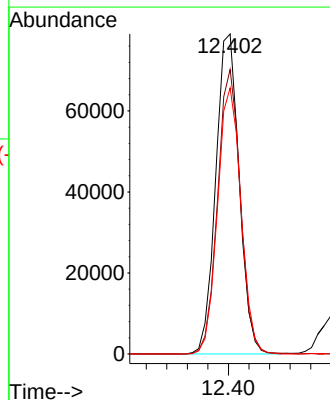
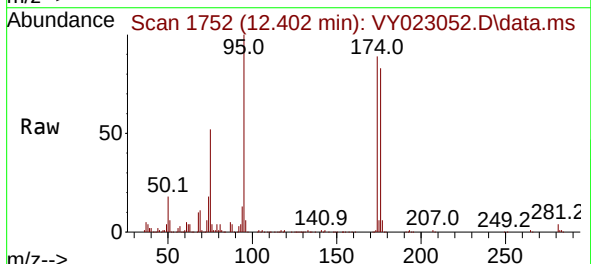
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

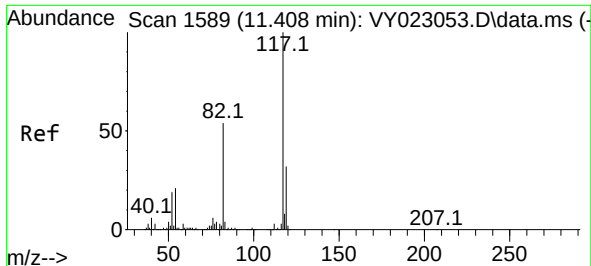
Tgt Ion:107 Resp: 80549
Ion Ratio Lower Upper
107 100
109 91.5 75.6 113.4



#62
4-Bromofluorobenzene
Concen: 19.503 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion: 95 Resp: 124467
Ion Ratio Lower Upper
95 100
174 86.7 0.0 171.6
176 83.3 0.0 167.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023052.D

Acq: 12 Aug 2025 15:40

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

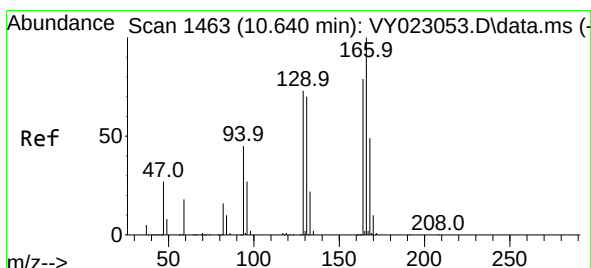
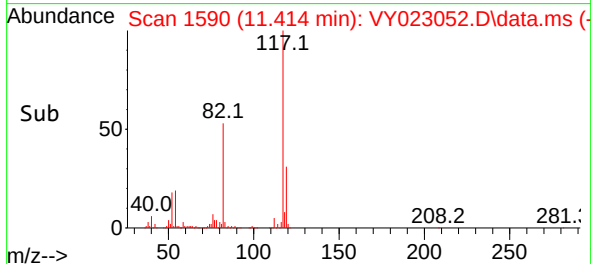
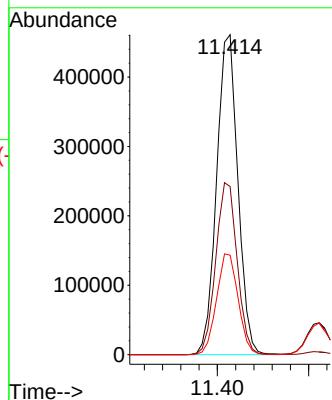
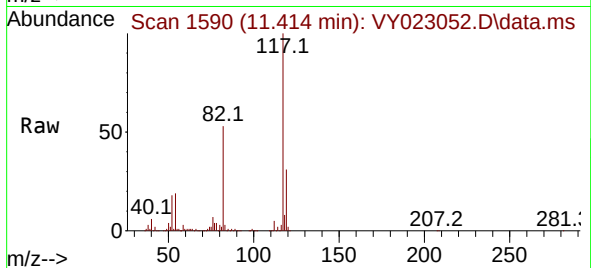
Tgt Ion:117 Resp: 745484

Ion Ratio Lower Upper

117 100

82 52.5 43.4 65.0

119 31.1 25.6 38.4



#64

Tetrachloroethene

Concen: 21.273 ug/l

RT: 10.640 min Scan# 1463

Delta R.T. 0.000 min

Lab File: VY023052.D

Acq: 12 Aug 2025 15:40

Tgt Ion:164 Resp: 141609

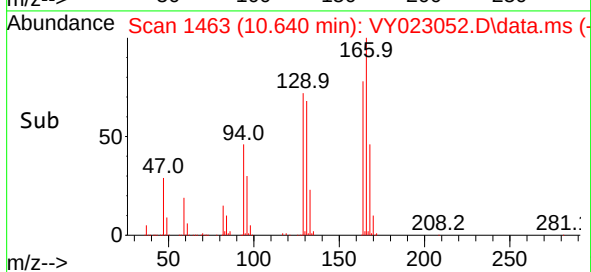
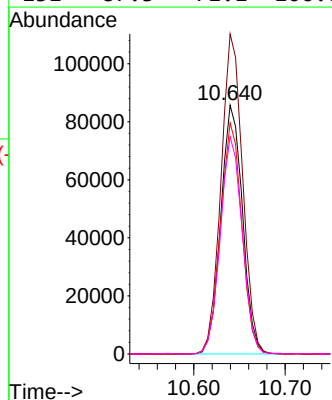
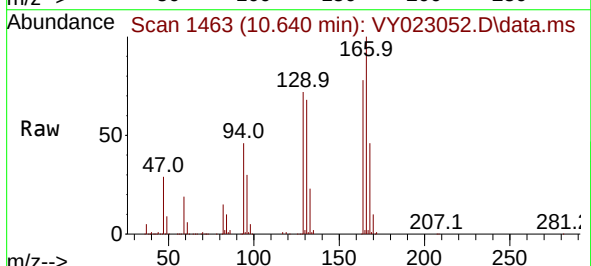
Ion Ratio Lower Upper

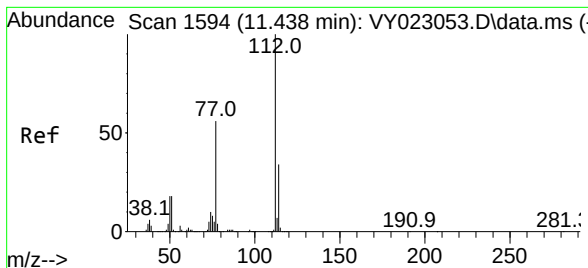
164 100

166 128.7 101.1 151.7

129 92.9 74.0 111.0

131 87.3 71.1 106.7

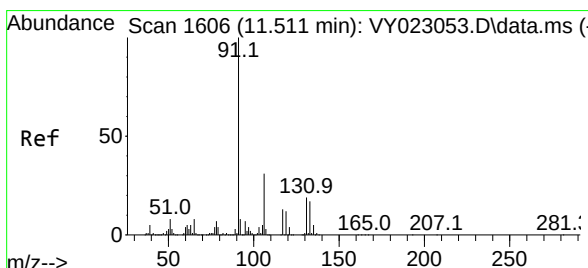
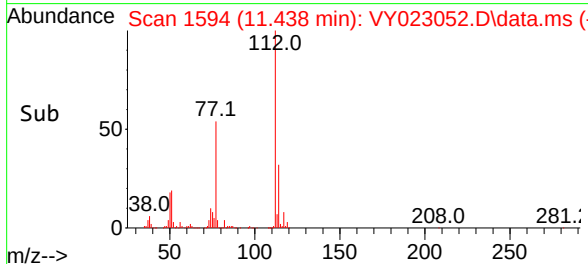
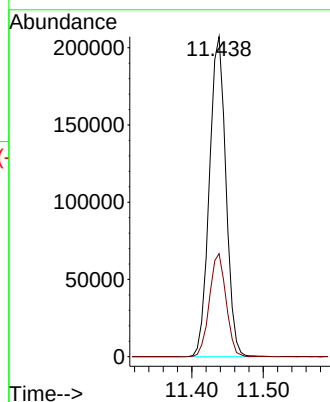
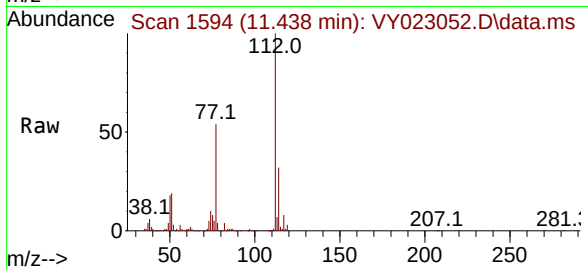




#65
Chlorobenzene
Concen: 20.690 ug/l
RT: 11.438 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

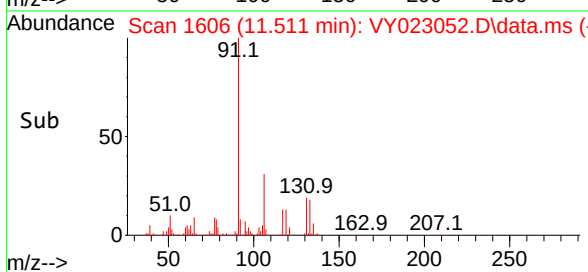
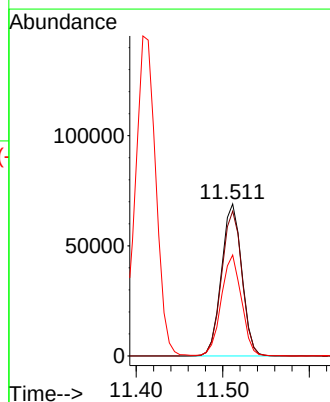
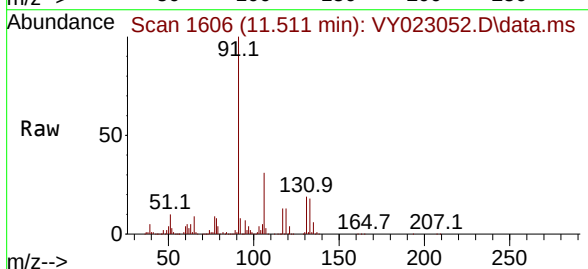
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

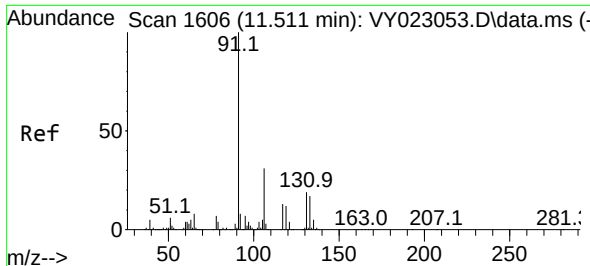
Tgt Ion:112 Resp: 332700
Ion Ratio Lower Upper
112 100
114 32.2 27.0 40.4



#66
1,1,1,2-Tetrachloroethane
Concen: 20.647 ug/l
RT: 11.511 min Scan# 1606
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion:131 Resp: 112677
Ion Ratio Lower Upper
131 100
133 95.8 46.9 140.6
119 66.2 33.2 99.6





#67

Ethyl Benzene

Concen: 20.412 ug/l

RT: 11.511 min Scan# 1606

Delta R.T. 0.000 min

Lab File: VY023052.D

Acq: 12 Aug 2025 15:40

Instrument :

MSVOA_Y

ClientSampleId :

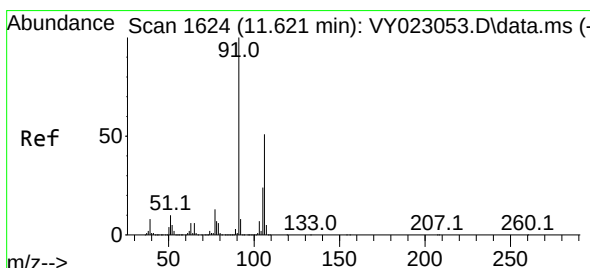
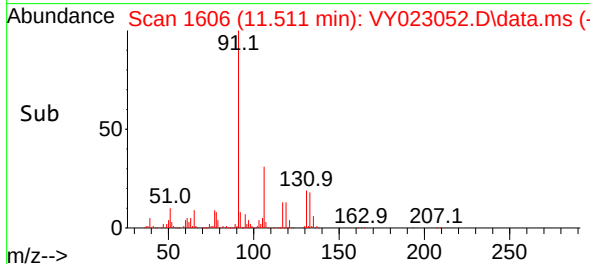
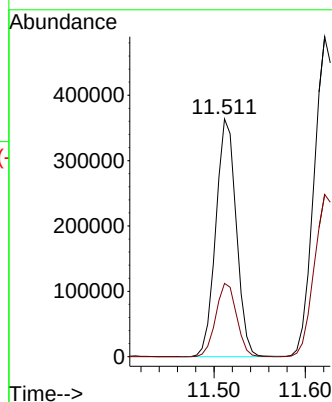
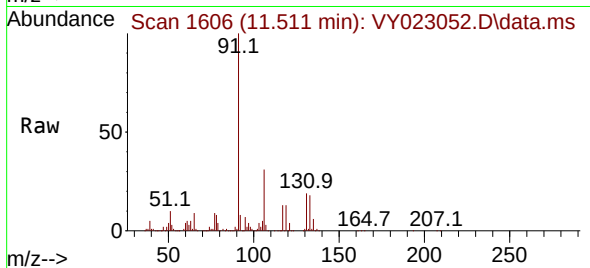
VSTDICC020

Tgt Ion: 91 Resp: 564855

Ion Ratio Lower Upper

91 100

106 30.8 25.0 37.4



#68

m/p-Xylenes

Concen: 41.115 ug/l

RT: 11.621 min Scan# 1624

Delta R.T. 0.000 min

Lab File: VY023052.D

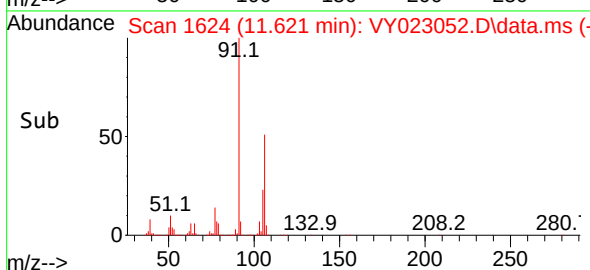
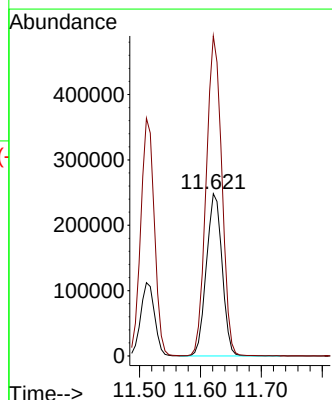
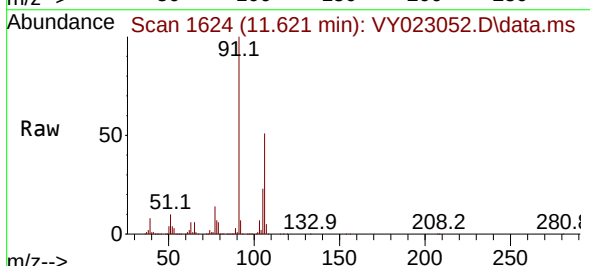
Acq: 12 Aug 2025 15:40

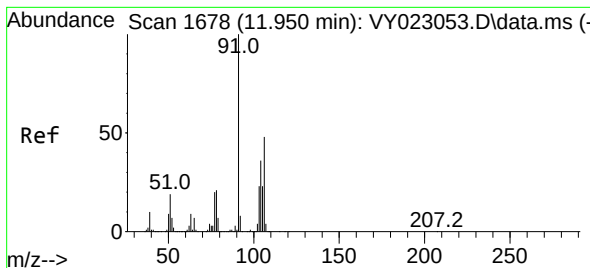
Tgt Ion: 106 Resp: 444361

Ion Ratio Lower Upper

106 100

91 195.9 158.6 238.0

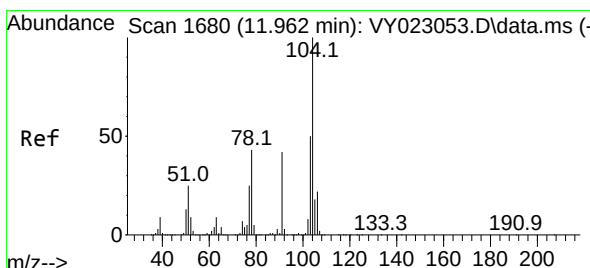
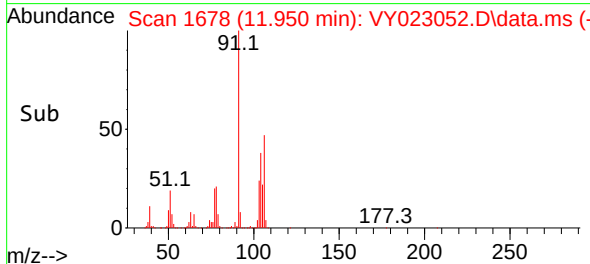
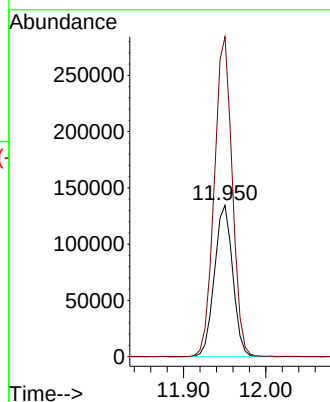
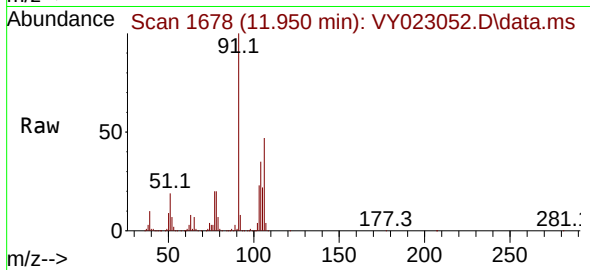




#69
o-Xylene
Concen: 20.513 ug/l
RT: 11.950 min Scan# 1678
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

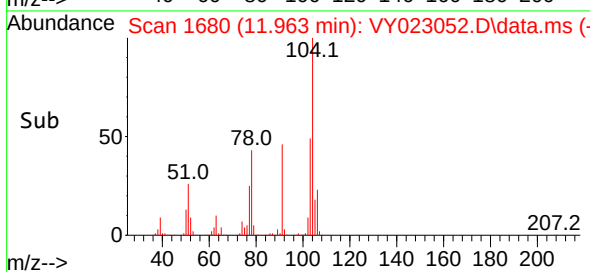
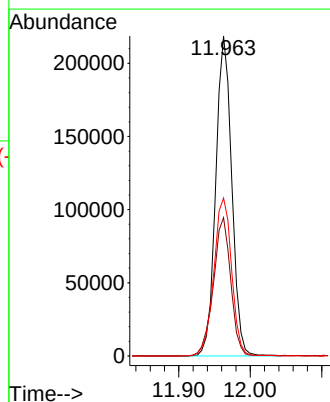
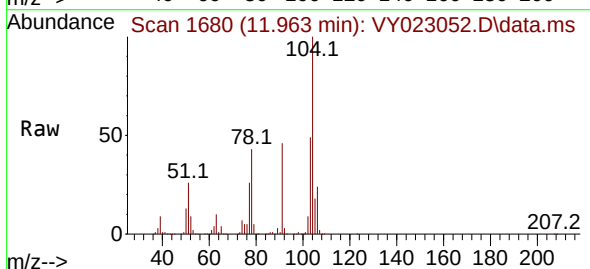
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

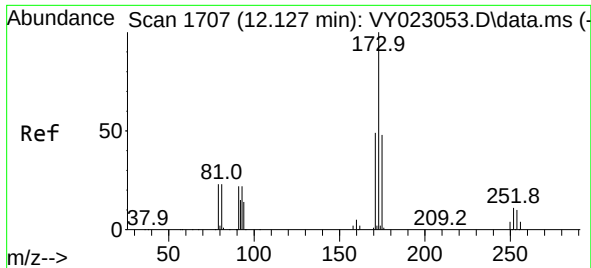
Tgt Ion:106 Resp: 207639
Ion Ratio Lower Upper
106 100
91 208.2 103.2 309.4



#70
Styrene
Concen: 20.532 ug/l
RT: 11.963 min Scan# 1680
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion:104 Resp: 339891
Ion Ratio Lower Upper
104 100
78 47.0 38.5 57.7
103 54.9 43.7 65.5

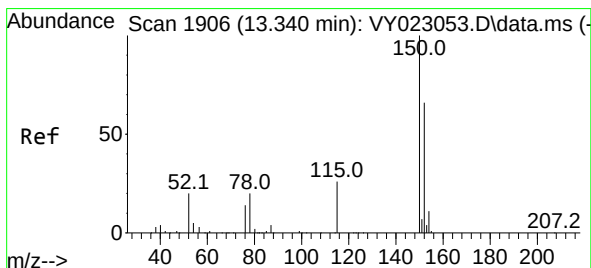
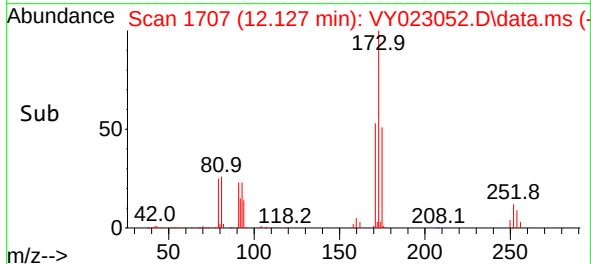
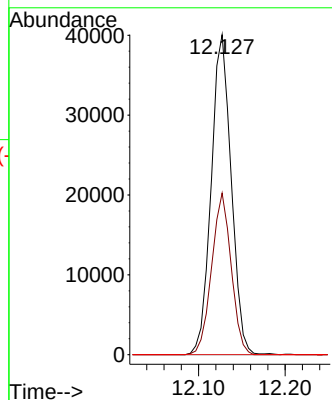
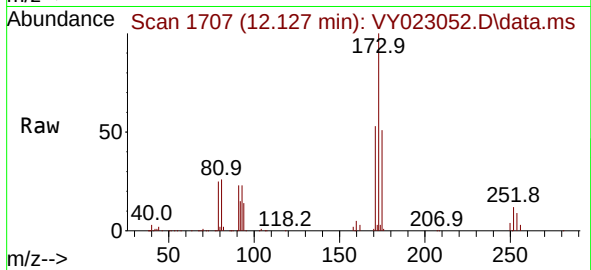




#71
Bromoform
Concen: 20.151 ug/l
RT: 12.127 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

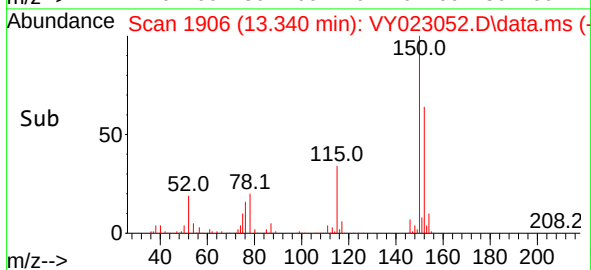
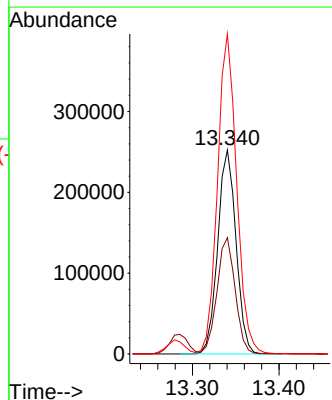
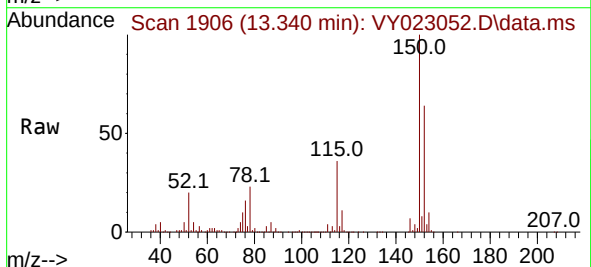
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

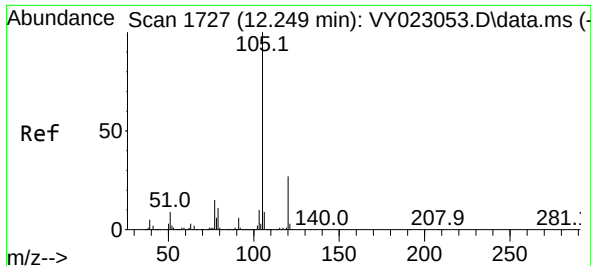
Tgt Ion:173 Resp: 64275
Ion Ratio Lower Upper
173 100
175 49.2 23.9 71.7
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.340 min Scan# 1906
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion:152 Resp: 370932
Ion Ratio Lower Upper
152 100
115 56.4 28.2 84.6
150 163.6 0.0 348.0

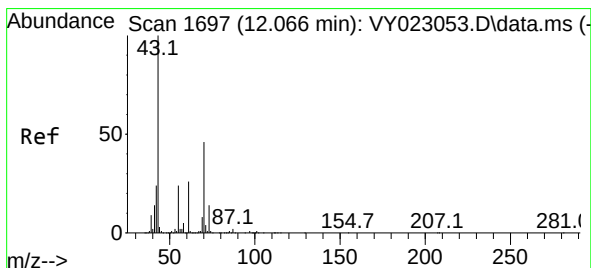
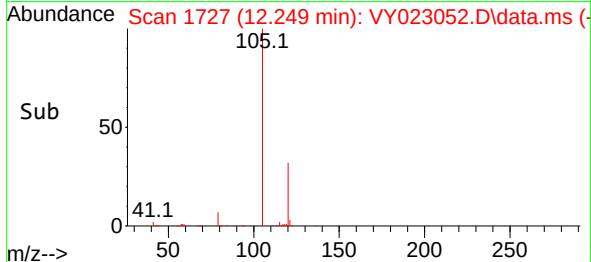
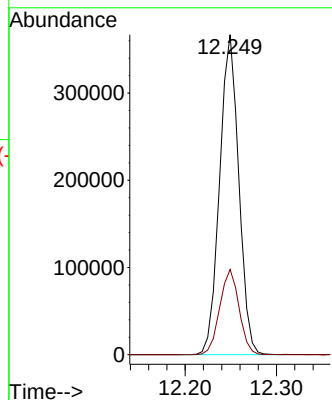
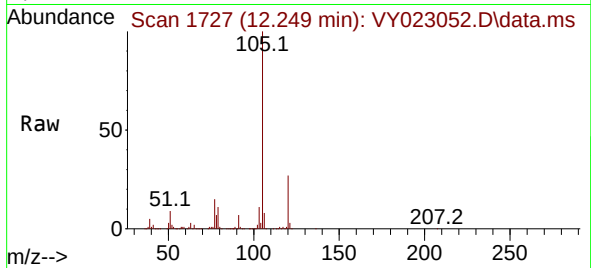




#73
Isopropylbenzene
Concen: 20.413 ug/l
RT: 12.249 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

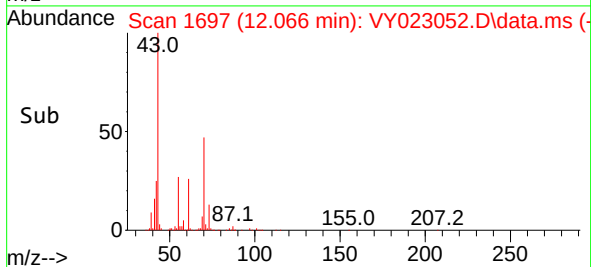
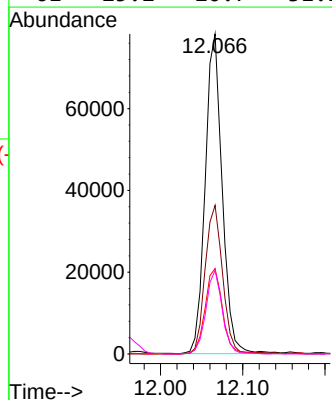
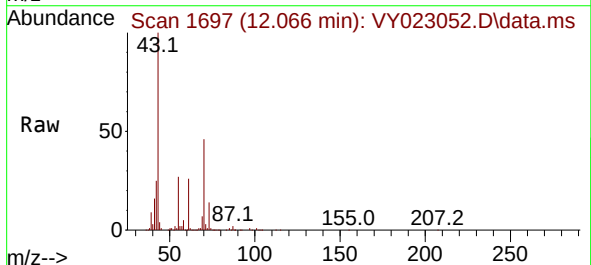
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

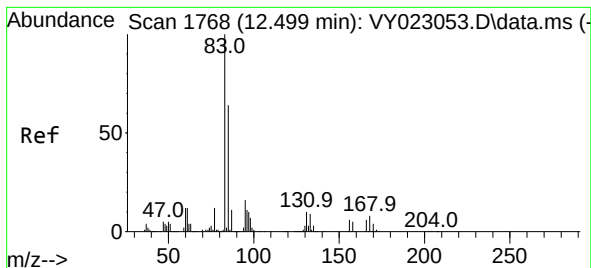
Tgt Ion:105 Resp: 534421
Ion Ratio Lower Upper
105 100
120 26.8 13.4 40.2



#74
N-ethyl acetate
Concen: 20.227 ug/l
RT: 12.066 min Scan# 1697
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion: 43 Resp: 112297
Ion Ratio Lower Upper
43 100
70 48.1 37.5 56.3
55 27.7 20.7 31.1
61 25.2 20.7 31.1





#75

1,1,2,2-Tetrachloroethane

Concen: 20.085 ug/l

RT: 12.499 min Scan# 1768

Delta R.T. 0.000 min

Lab File: VY023052.D

Acq: 12 Aug 2025 15:40

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC020

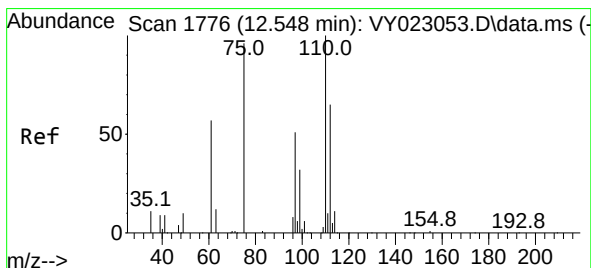
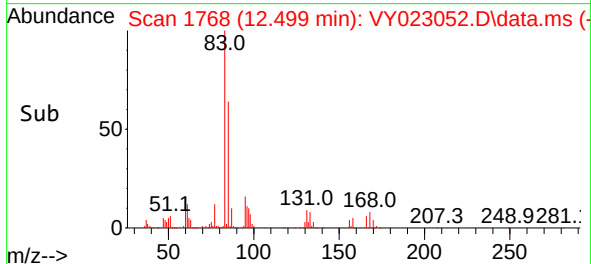
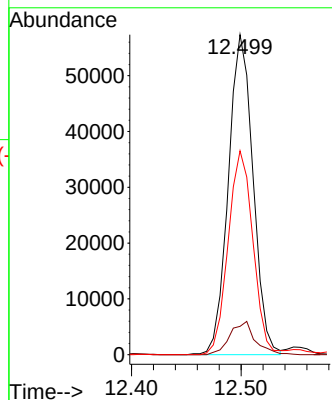
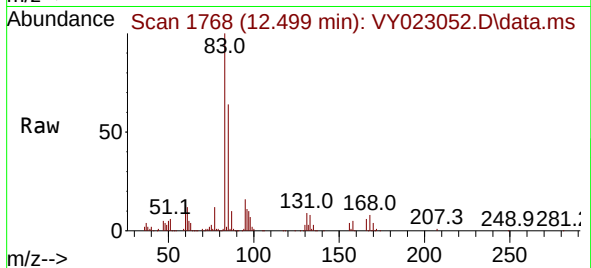
Tgt Ion: 83 Resp: 89782

Ion Ratio Lower Upper

83 100

131 10.6 5.1 15.3

85 63.8 31.8 95.3



#76

1,2,3-Trichloropropane

Concen: 34.195 ug/l

RT: 12.548 min Scan# 1776

Delta R.T. 0.000 min

Lab File: VY023052.D

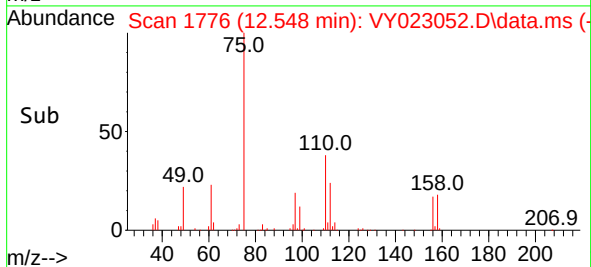
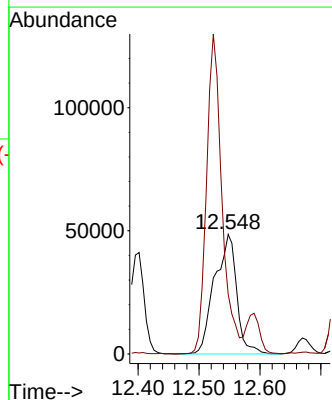
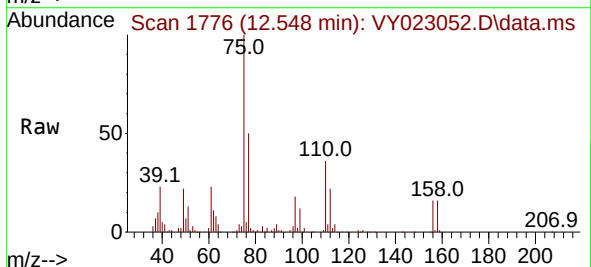
Acq: 12 Aug 2025 15:40

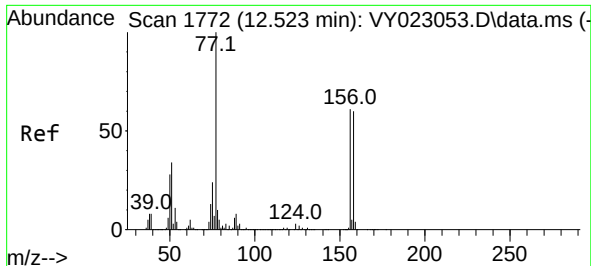
Tgt Ion: 75 Resp: 122494

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

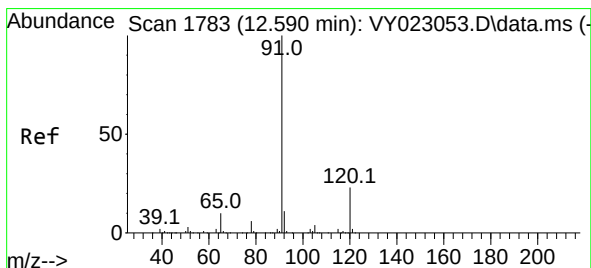
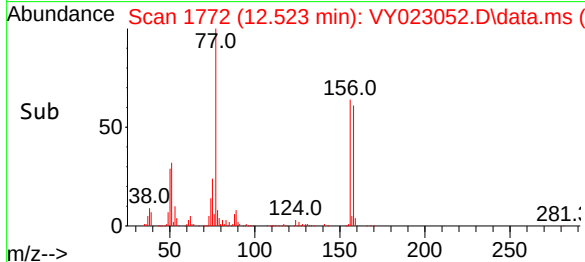
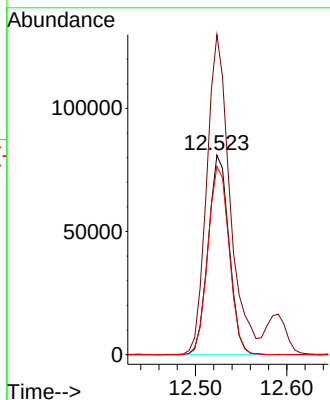
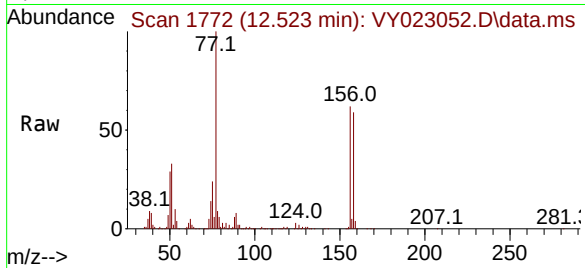




#77
Bromobenzene
Concen: 20.574 ug/l
RT: 12.523 min Scan# 1772
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

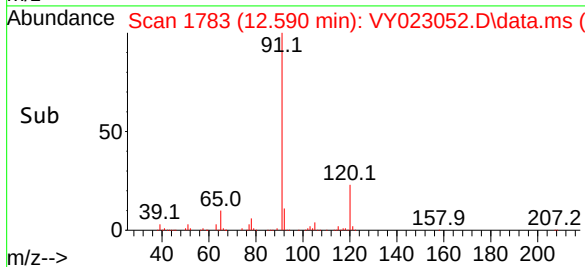
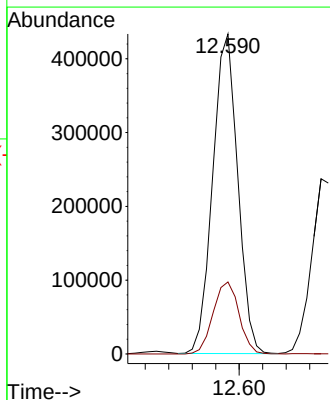
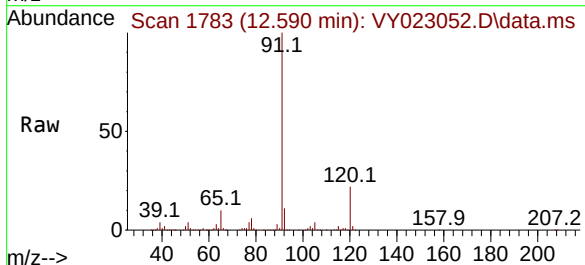
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

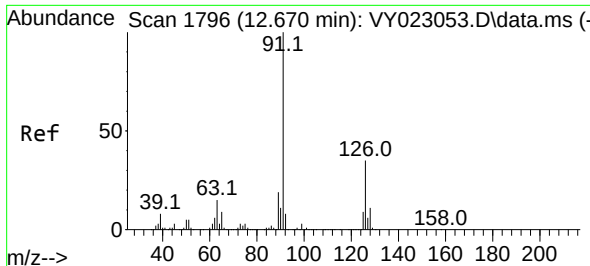
Tgt Ion:156 Resp: 128501
Ion Ratio Lower Upper
156 100
77 177.5 88.1 264.4
158 96.2 48.0 144.0



#78
n-propylbenzene
Concen: 20.550 ug/l
RT: 12.590 min Scan# 1783
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion: 91 Resp: 640528
Ion Ratio Lower Upper
91 100
120 23.3 11.5 34.5

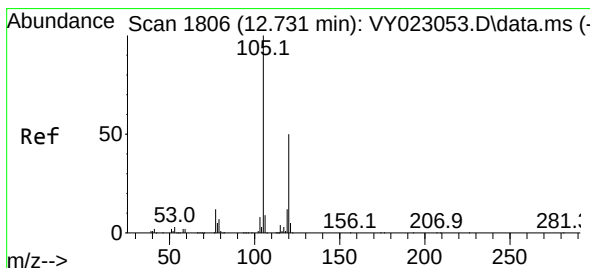
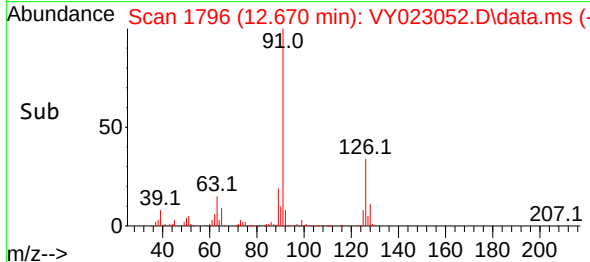
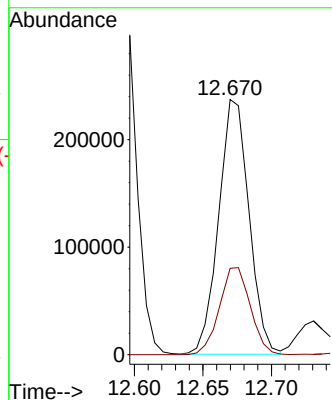
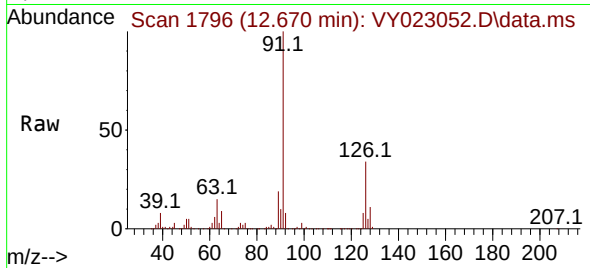




#79
2-Chlorotoluene
Concen: 20.471 ug/l
RT: 12.670 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

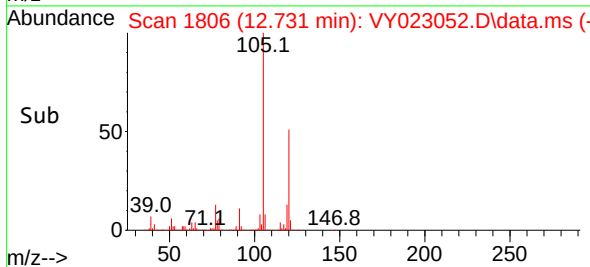
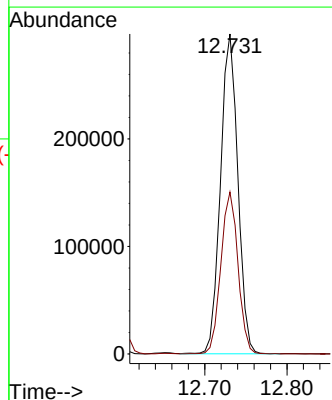
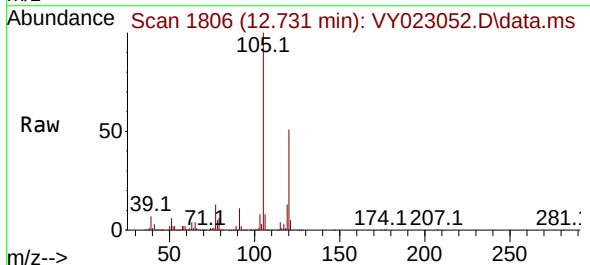
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

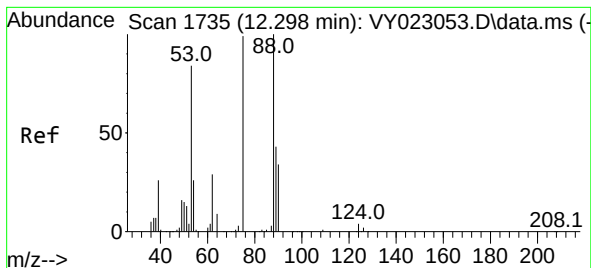
Tgt Ion: 91 Resp: 365577
Ion Ratio Lower Upper
91 100
126 34.8 17.4 52.3



#80
1,3,5-Trimethylbenzene
Concen: 20.563 ug/l
RT: 12.731 min Scan# 1806
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion: 105 Resp: 435074
Ion Ratio Lower Upper
105 100
120 50.2 24.8 74.4

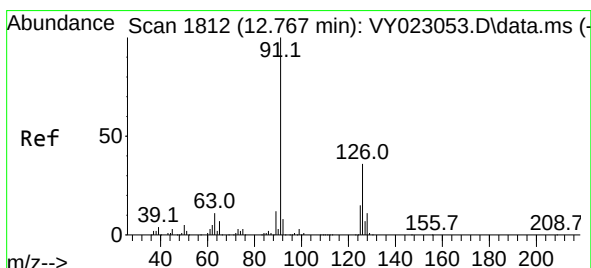
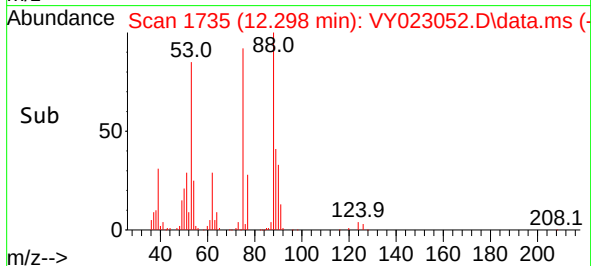
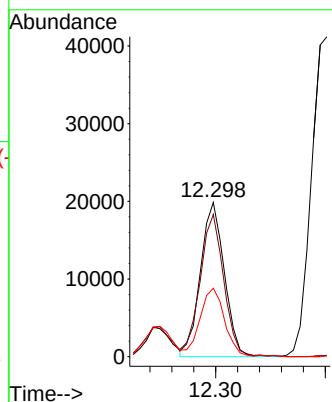
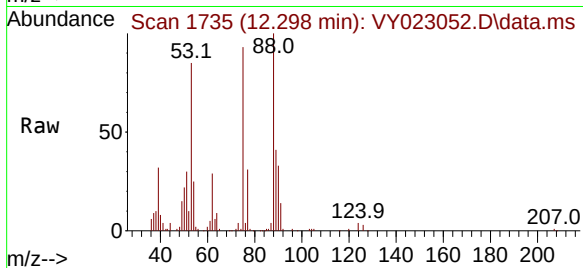




#81
trans-1,4-Dichloro-2-butene
Concen: 20.389 ug/l
RT: 12.298 min Scan# 1735
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

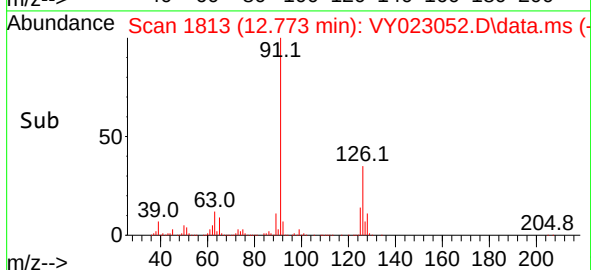
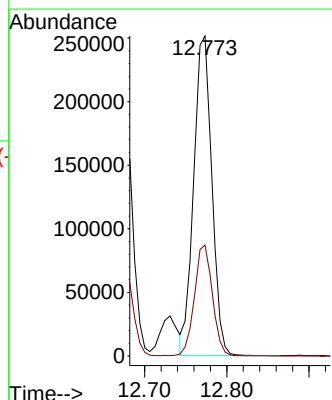
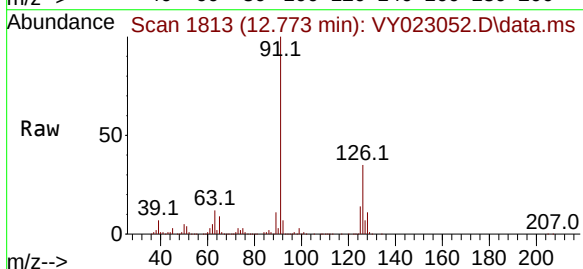
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

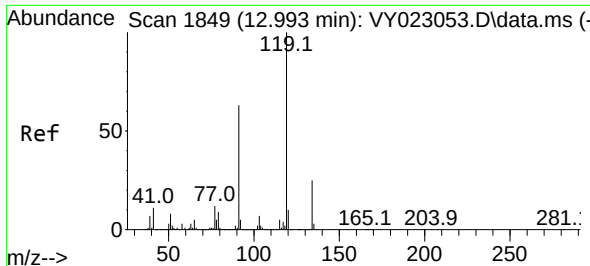
Tgt Ion: 75 Resp: 30153
Ion Ratio Lower Upper
75 100
53 91.7 70.8 106.2
89 46.2 38.1 57.1



#82
4-Chlorotoluene
Concen: 20.822 ug/l
RT: 12.773 min Scan# 1813
Delta R.T. 0.006 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion: 91 Resp: 385755
Ion Ratio Lower Upper
91 100
126 34.3 17.3 52.0

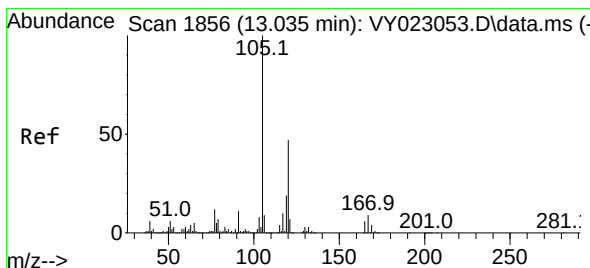
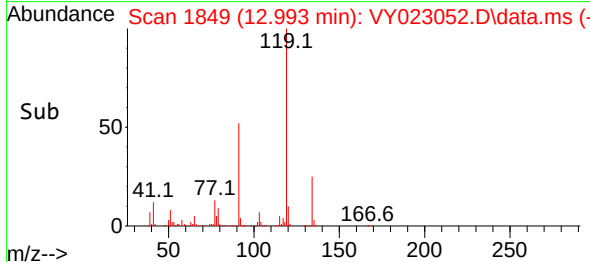
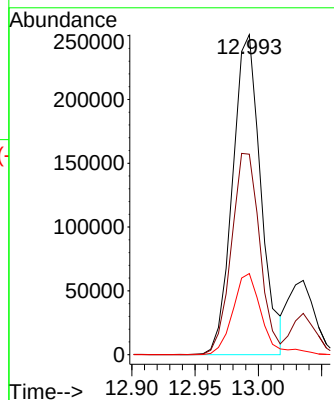
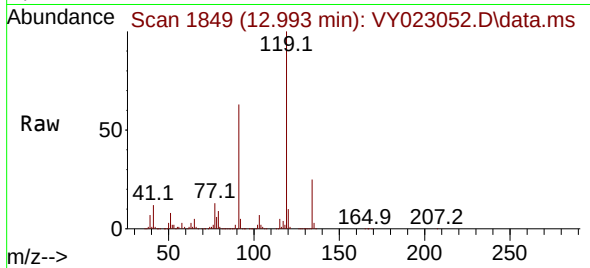




#83
 tert-Butylbenzene
 Concen: 20.389 ug/l
 RT: 12.993 min Scan# 1849
 Delta R.T. 0.000 min
 Lab File: VY023052.D
 Acq: 12 Aug 2025 15:40

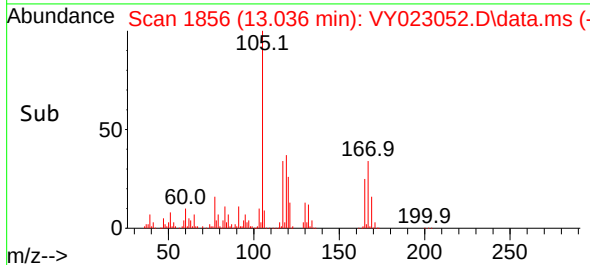
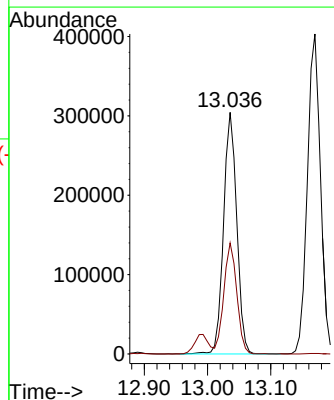
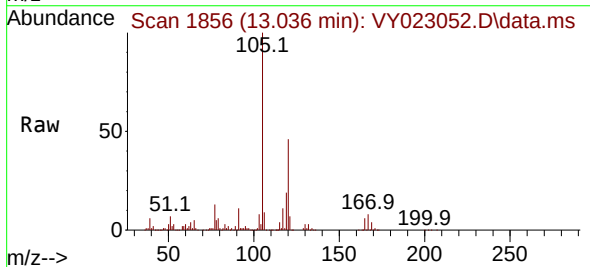
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

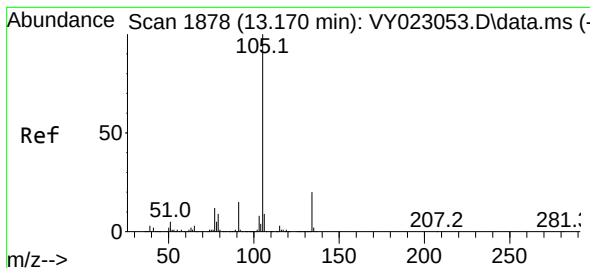
Tgt Ion:119 Resp: 389621
 Ion Ratio Lower Upper
 119 100
 91 63.4 31.6 94.8
 134 26.1 12.9 38.7



#84
 1,2,4-Trimethylbenzene
 Concen: 20.814 ug/l
 RT: 13.036 min Scan# 1856
 Delta R.T. 0.000 min
 Lab File: VY023052.D
 Acq: 12 Aug 2025 15:40

Tgt Ion:105 Resp: 438392
 Ion Ratio Lower Upper
 105 100
 120 45.0 23.0 69.0





#85

sec-Butylbenzene

Concen: 20.512 ug/l

RT: 13.170 min Scan# 1878

Delta R.T. 0.000 min

Lab File: VY023052.D

Acq: 12 Aug 2025 15:40

Instrument :

MSVOA_Y

ClientSampleId :

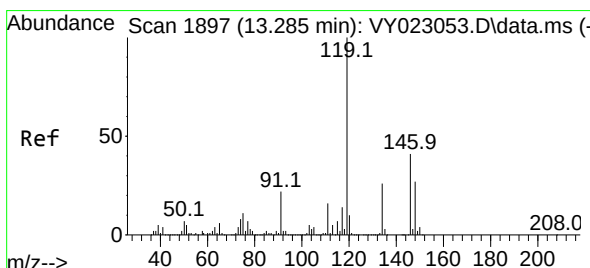
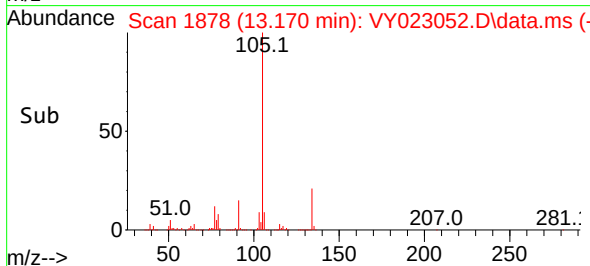
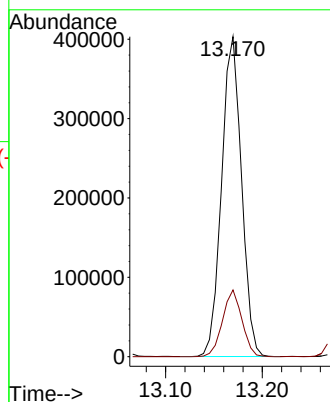
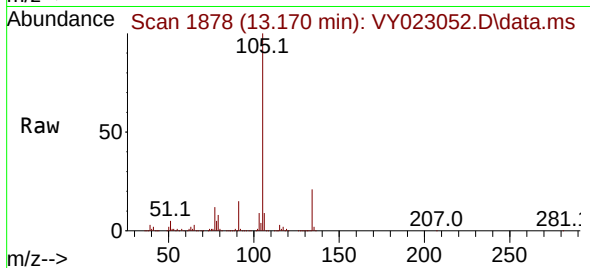
VSTDIC020

Tgt Ion:105 Resp: 575804

Ion Ratio Lower Upper

105 100

134 20.3 10.2 30.4



#86

p-Isopropyltoluene

Concen: 20.640 ug/l

RT: 13.285 min Scan# 1897

Delta R.T. 0.000 min

Lab File: VY023052.D

Acq: 12 Aug 2025 15:40

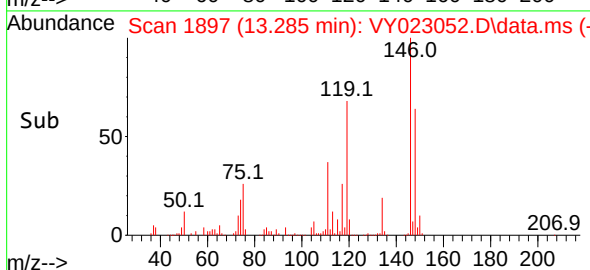
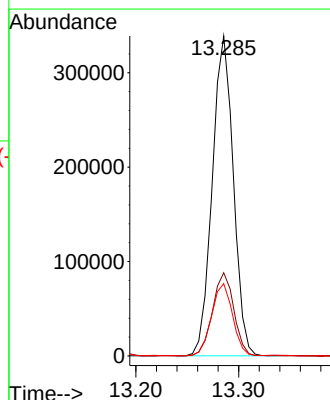
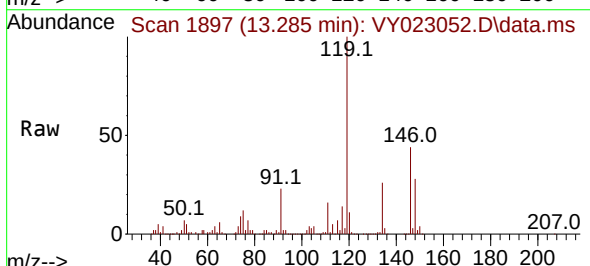
Tgt Ion:119 Resp: 480937

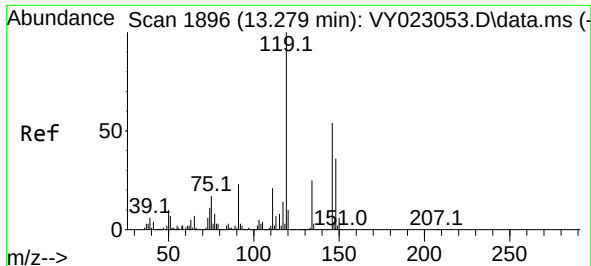
Ion Ratio Lower Upper

119 100

134 26.3 13.2 39.6

91 22.6 11.3 33.8

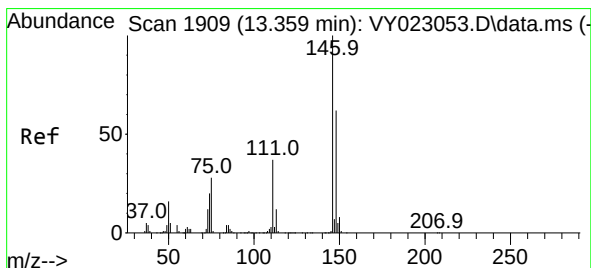
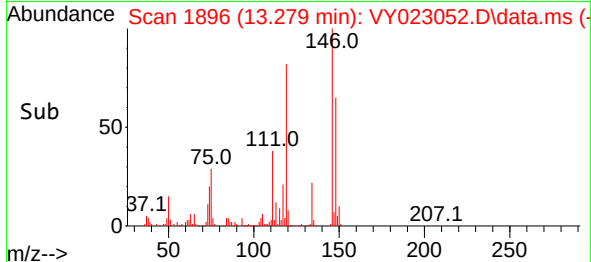
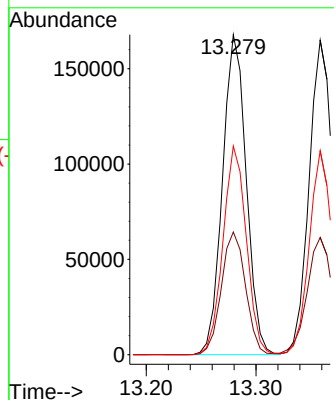
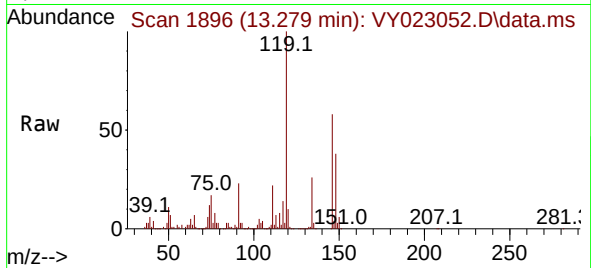




#87
 1,3-Dichlorobenzene
 Concen: 20.497 ug/l
 RT: 13.279 min Scan# 1896
 Delta R.T. 0.000 min
 Lab File: VY023052.D
 Acq: 12 Aug 2025 15:40

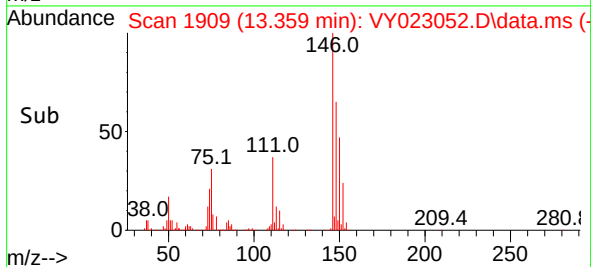
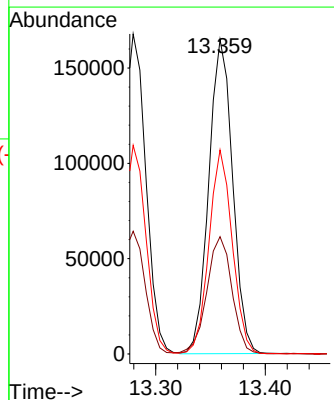
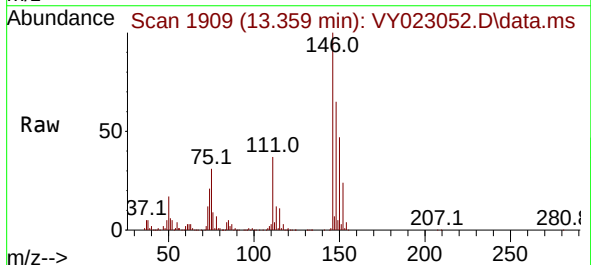
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

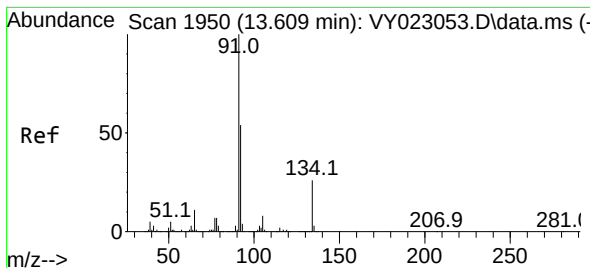
Tgt Ion:146 Resp: 252452
 Ion Ratio Lower Upper
 146 100
 111 39.1 19.6 58.7
 148 64.3 32.5 97.5



#88
 1,4-Dichlorobenzene
 Concen: 20.403 ug/l
 RT: 13.359 min Scan# 1909
 Delta R.T. 0.000 min
 Lab File: VY023052.D
 Acq: 12 Aug 2025 15:40

Tgt Ion:146 Resp: 249280
 Ion Ratio Lower Upper
 146 100
 111 39.3 19.1 57.1
 148 63.5 31.6 94.7





#89

n-Butylbenzene

Concen: 20.605 ug/l

RT: 13.609 min Scan# 1950

Delta R.T. 0.000 min

Lab File: VY023052.D

Acq: 12 Aug 2025 15:40

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC020

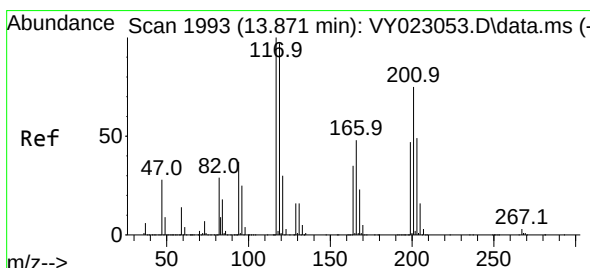
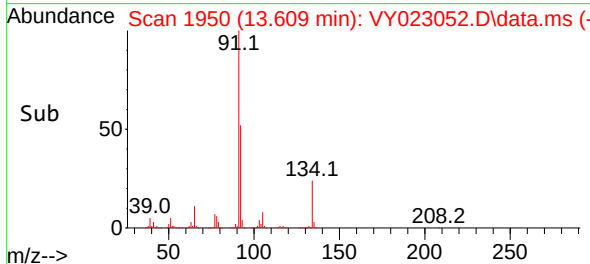
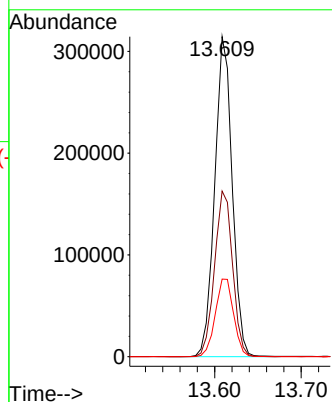
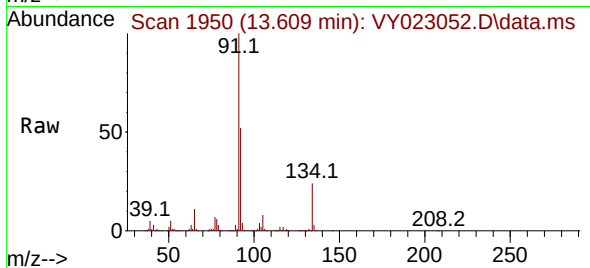
Tgt Ion: 91 Resp: 440963

Ion Ratio Lower Upper

91 100

92 53.4 26.9 80.7

134 25.4 13.2 39.5



#90

Hexachloroethane

Concen: 20.226 ug/l

RT: 13.871 min Scan# 1993

Delta R.T. 0.000 min

Lab File: VY023052.D

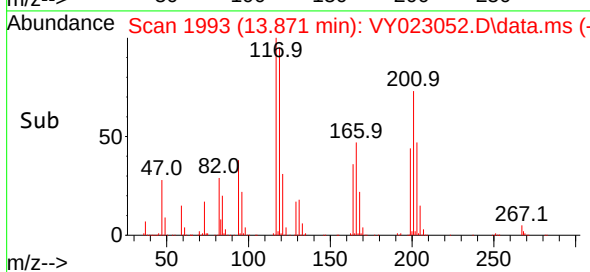
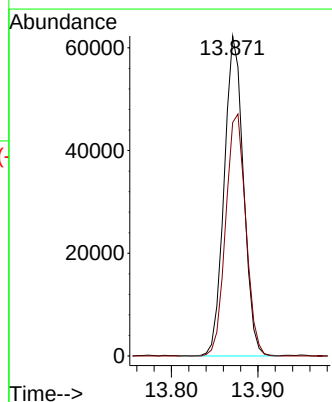
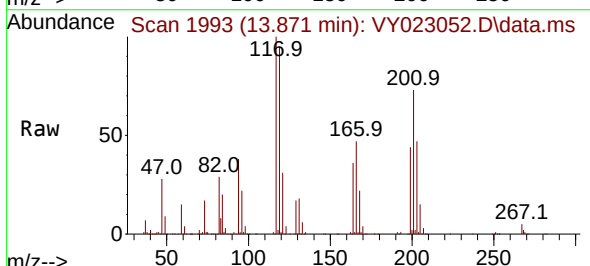
Acq: 12 Aug 2025 15:40

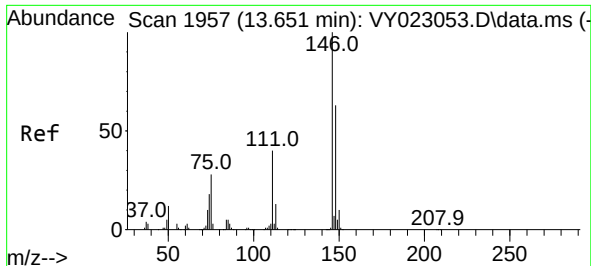
Tgt Ion: 117 Resp: 96478

Ion Ratio Lower Upper

117 100

201 78.5 38.4 115.1





#91

1,2-Dichlorobenzene

Concen: 20.552 ug/l

RT: 13.651 min Scan# 1957

Delta R.T. 0.000 min

Lab File: VY023052.D

Acq: 12 Aug 2025 15:40

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

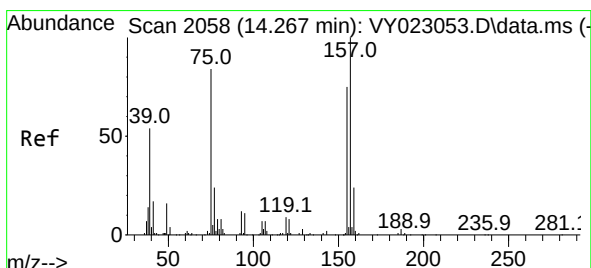
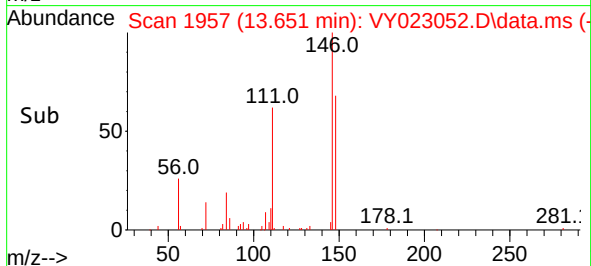
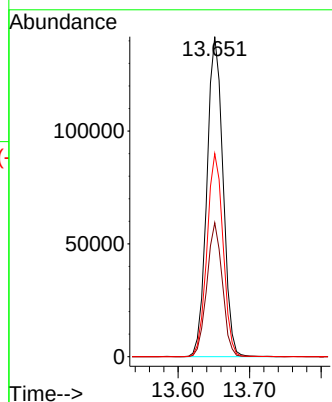
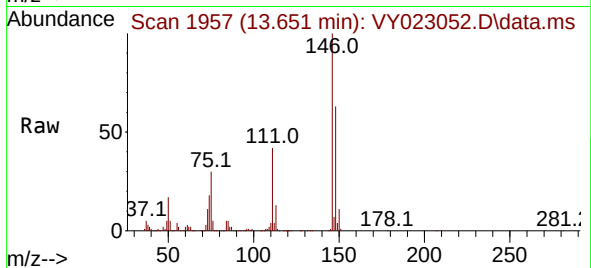
Tgt Ion:146 Resp: 222000

Ion Ratio Lower Upper

146 100

111 40.2 20.3 60.8

148 63.2 32.2 96.6



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.076 ug/l

RT: 14.267 min Scan# 2058

Delta R.T. 0.000 min

Lab File: VY023052.D

Acq: 12 Aug 2025 15:40

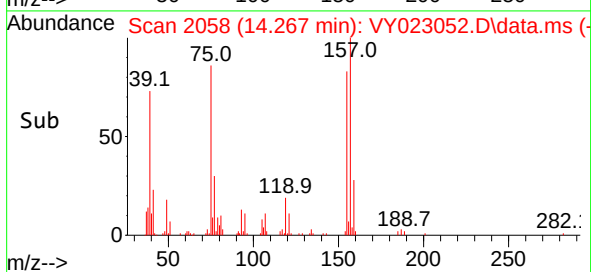
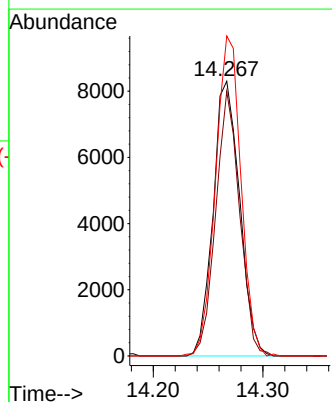
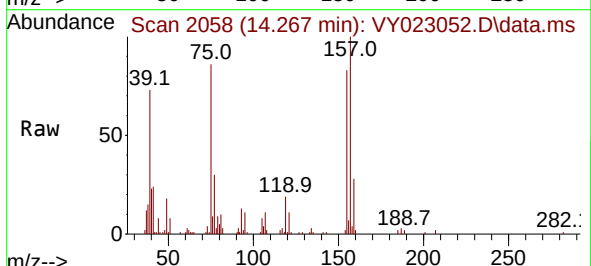
Tgt Ion: 75 Resp: 13973

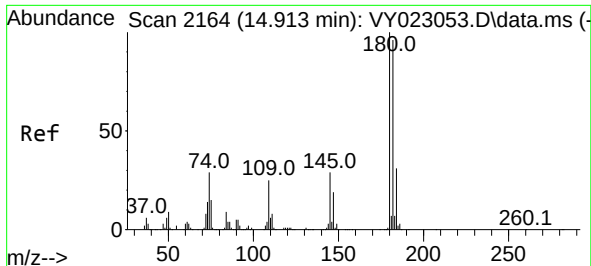
Ion Ratio Lower Upper

75 100

155 86.7 43.9 131.6

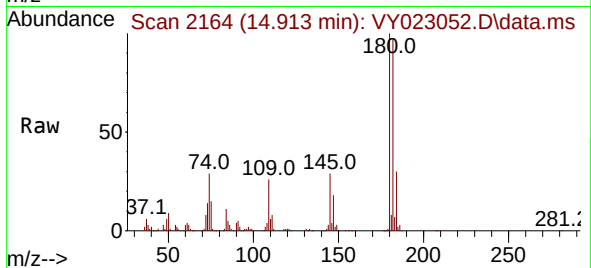
157 111.6 57.2 171.6



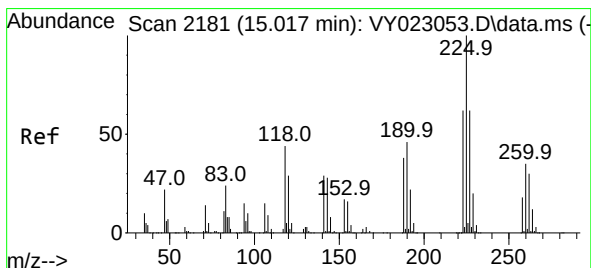
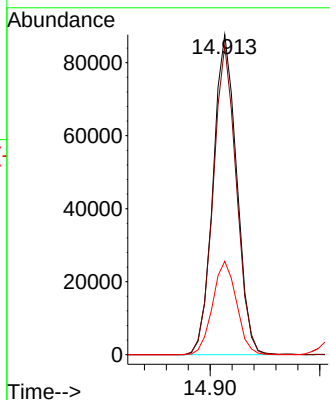
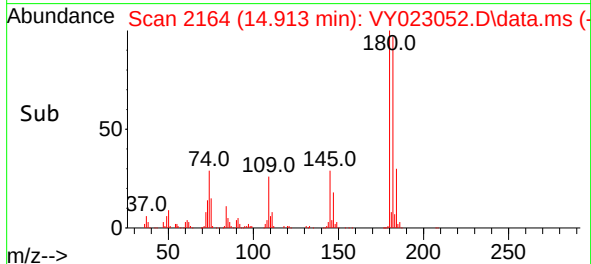


#93
1,2,4-Trichlorobenzene
Concen: 20.464 ug/l
RT: 14.913 min Scan# 2164
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

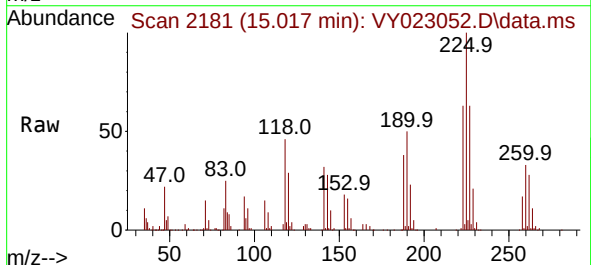
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020



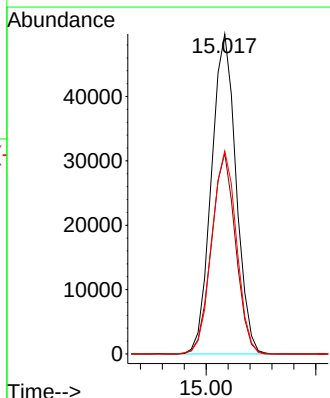
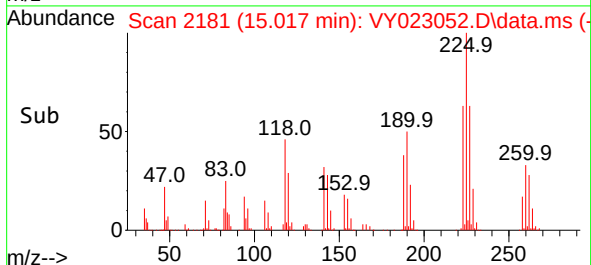
Tgt Ion:180 Resp: 130718
Ion Ratio Lower Upper
180 100
182 95.1 46.8 140.4
145 29.6 14.4 43.4

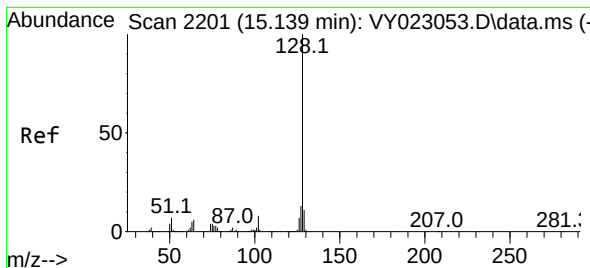


#94
Hexachlorobutadiene
Concen: 20.650 ug/l
RT: 15.017 min Scan# 2181
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40



Tgt Ion:225 Resp: 77511
Ion Ratio Lower Upper
225 100
223 61.5 31.3 93.8
227 63.6 31.5 94.5





#95

Naphthalene

Concen: 19.915 ug/l

RT: 15.139 min Scan# 21

Delta R.T. 0.000 min

Lab File: VY023052.D

Acq: 12 Aug 2025 15:40

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

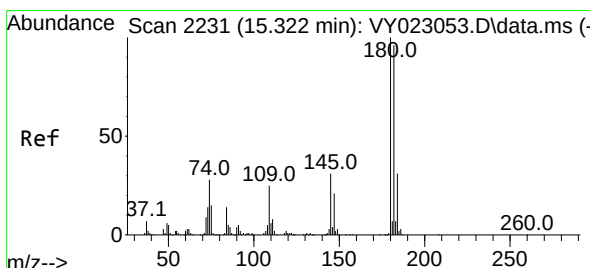
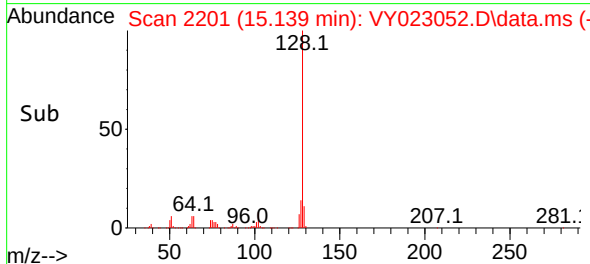
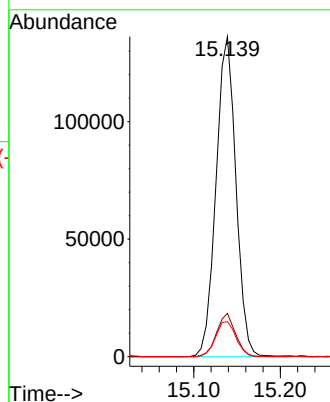
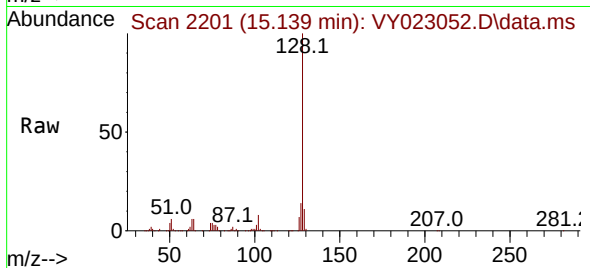
Tgt Ion:128 Resp: 216923

Ion Ratio Lower Upper

128 100

127 12.9 10.4 15.6

129 11.4 9.0 13.4



#96

1,2,3-Trichlorobenzene

Concen: 20.258 ug/l

RT: 15.322 min Scan# 2231

Delta R.T. 0.000 min

Lab File: VY023052.D

Acq: 12 Aug 2025 15:40

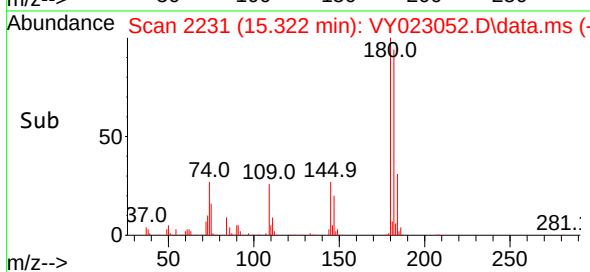
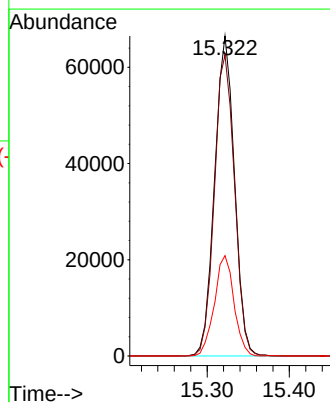
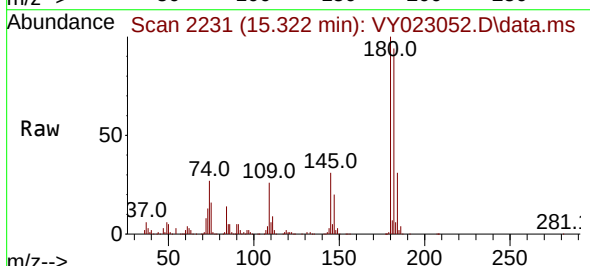
Tgt Ion:180 Resp: 111506

Ion Ratio Lower Upper

180 100

182 95.3 47.9 143.7

145 31.0 15.9 47.7



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081225\
 Data File : VY023053.D
 Acq On : 12 Aug 2025 16:02
 Operator : SY/MD
 Sample : VSTDICCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Quant Time: Aug 13 01:53:26 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 13 01:46:43 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	539282	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	856556	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.408	117	751969	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	377839	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	249044	48.455	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	96.900%
35) Dibromofluoromethane	7.628	113	251193	49.010	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.020%
50) Toluene-d8	10.103	98	979082	48.899	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.800%
62) 4-Bromofluorobenzene	12.401	95	316770	49.194	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	98.380%

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.861	85	187863	42.677	ug/l	100
3) Chloromethane	2.068	50	327481	45.932	ug/l	100
4) Vinyl Chloride	2.196	62	414609	47.044	ug/l	100
5) Bromomethane	2.592	94	291336	44.263	ug/l	100
6) Chloroethane	2.726	64	277698	47.394	ug/l	100
7) Trichlorofluoromethane	3.049	101	505137	47.136	ug/l	100
8) Diethyl Ether	3.446	74	135373	47.747	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.805	101	249063	47.109	ug/l	100
10) Methyl Iodide	3.994	142	296087	51.899	ug/l	100
11) Tert butyl alcohol	4.860	59	85712	243.383	ug/l	100
12) 1,1-Dichloroethene	3.781	96	249492	48.009	ug/l	100
13) Acrolein	3.647	56	121185	234.966	ug/l	100
14) Allyl chloride	4.378	41	369720	48.350	ug/l	100
15) Acrylonitrile	5.049	53	285675	247.839	ug/l	100
16) Acetone	3.860	43	278510	250.122	ug/l	100
17) Carbon Disulfide	4.098	76	804119	47.456	ug/l	100
18) Methyl Acetate	4.378	43	173642	52.403	ug/l	100
19) Methyl tert-butyl Ether	5.110	73	666514	49.495	ug/l	100
20) Methylene Chloride	4.604	84	275004	47.415	ug/l	100
21) trans-1,2-Dichloroethene	5.104	96	282272	48.334	ug/l	100
22) Diisopropyl ether	6.018	45	815359	49.070	ug/l	100
23) Vinyl Acetate	5.951	43	2268046	246.849	ug/l	100
24) 1,1-Dichloroethane	5.909	63	495073	48.732	ug/l	100
25) 2-Butanone	6.884	43	382711	252.715	ug/l	100
26) 2,2-Dichloropropane	6.884	77	425773	48.571	ug/l	100
27) cis-1,2-Dichloroethene	6.884	96	327272	48.474	ug/l	100
28) Bromochloromethane	7.244	49	196667	48.795	ug/l	100
29) Tetrahydrofuran	7.256	42	235169	250.523	ug/l	100
30) Chloroform	7.415	83	508641	48.547	ug/l	100
31) Cyclohexane	7.695	56	440266	45.989	ug/l	100
32) 1,1,1-Trichloroethane	7.616	97	451521	48.569	ug/l	100
36) 1,1-Dichloropropene	7.829	75	371204	48.734	ug/l	100
37) Ethyl Acetate	6.982	43	160980	50.311	ug/l	100
38) Carbon Tetrachloride	7.817	117	399463	48.285	ug/l	100
39) Methylcyclohexane	9.103	83	484691	48.321	ug/l	100
40) Benzene	8.073	78	1142910	48.683	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081225\
 Data File : VY023053.D
 Acq On : 12 Aug 2025 16:02
 Operator : SY/MD
 Sample : VSTDICCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Quant Time: Aug 13 01:53:26 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 13 01:46:43 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.219	41	94123	50.916	ug/l	100
42) 1,2-Dichloroethane	8.152	62	296907	48.627	ug/l	100
43) Isopropyl Acetate	8.195	43	319600	49.419	ug/l	100
44) Trichloroethene	8.859	130	292421	48.199	ug/l	100
45) 1,2-Dichloropropane	9.140	63	264354	48.938	ug/l	100
46) Dibromomethane	9.225	93	152822	49.291	ug/l	100
47) Bromodichloromethane	9.420	83	393523	49.327	ug/l	100
48) Methyl methacrylate	9.213	41	160792	51.958	ug/l	100
49) 1,4-Dioxane	9.225	88	36249	997.124	ug/l	100
51) 4-Methyl-2-Pentanone	9.993	43	853025	255.710	ug/l	100
52) Toluene	10.164	92	735326	49.315	ug/l	100
53) t-1,3-Dichloropropene	10.390	75	359698	49.790	ug/l	100
54) cis-1,3-Dichloropropene	9.853	75	424834	49.731	ug/l	100
55) 1,1,2-Trichloroethane	10.566	97	204368	49.261	ug/l	100
56) Ethyl methacrylate	10.432	69	273801	51.576	ug/l	100
57) 1,3-Dichloropropane	10.713	76	346510	49.249	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.707	63	663351	264.906	ug/l	100
59) 2-Hexanone	10.755	43	584223	257.194	ug/l	100
60) Dibromochloromethane	10.908	129	272171	49.719	ug/l	100
61) 1,2-Dibromoethane	11.005	107	193398	49.598	ug/l	100
64) Tetrachloroethene	10.640	164	327271	48.740	ug/l	100
65) Chlorobenzene	11.438	112	793490	48.920	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.511	131	271839	49.381	ug/l	100
67) Ethyl Benzene	11.511	91	1397704	50.073	ug/l	100
68) m/p-Xylenes	11.621	106	1080401	99.103	ug/l	100
69) o-Xylene	11.950	106	516002	50.536	ug/l	100
70) Styrene	11.962	104	844409	50.569	ug/l	100
71) Bromoform	12.127	173	160769	49.969	ug/l #	100
73) Isopropylbenzene	12.249	105	1324313	49.660	ug/l	100
74) N-amyl acetate	12.066	43	289914	51.264	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.499	83	220853	48.503	ug/l	100
76) 1,2,3-Trichloropropane	12.548	75	303093	83.064	ug/l #	100
77) Bromobenzene	12.523	156	312706	49.152	ug/l	100
78) n-propylbenzene	12.590	91	1593368	50.186	ug/l	100
79) 2-Chlorotoluene	12.670	91	899967	49.473	ug/l	100
80) 1,3,5-Trimethylbenzene	12.731	105	1080333	50.126	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.298	75	74567	49.500	ug/l	100
82) 4-Chlorotoluene	12.767	91	930329	49.299	ug/l	100
83) tert-Butylbenzene	12.993	119	978031	50.244	ug/l	100
84) 1,2,4-Trimethylbenzene	13.035	105	1071926	49.963	ug/l	100
85) sec-Butylbenzene	13.170	105	1425553	49.854	ug/l	100
86) p-Isopropyltoluene	13.285	119	1196645	50.417	ug/l	100
87) 1,3-Dichlorobenzene	13.279	146	608249	48.481	ug/l	100
88) 1,4-Dichlorobenzene	13.359	146	605079	48.618	ug/l	100
89) n-Butylbenzene	13.609	91	1099864	50.454	ug/l	100
90) Hexachloroethane	13.871	117	238005	48.984	ug/l	100
91) 1,2-Dichlorobenzene	13.651	146	536637	48.772	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.267	75	35867	50.592	ug/l	100
93) 1,2,4-Trichlorobenzene	14.913	180	320080	49.192	ug/l	100
94) Hexachlorobutadiene	15.017	225	185604	48.543	ug/l	100
95) Naphthalene	15.139	128	562363	50.685	ug/l	100
96) 1,2,3-Trichlorobenzene	15.322	180	272154	48.540	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081225\
Data File : VY023053.D
Acq On : 12 Aug 2025 16:02
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Quant Time: Aug 13 01:53:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 01:46:43 2025
Response via : Initial Calibration

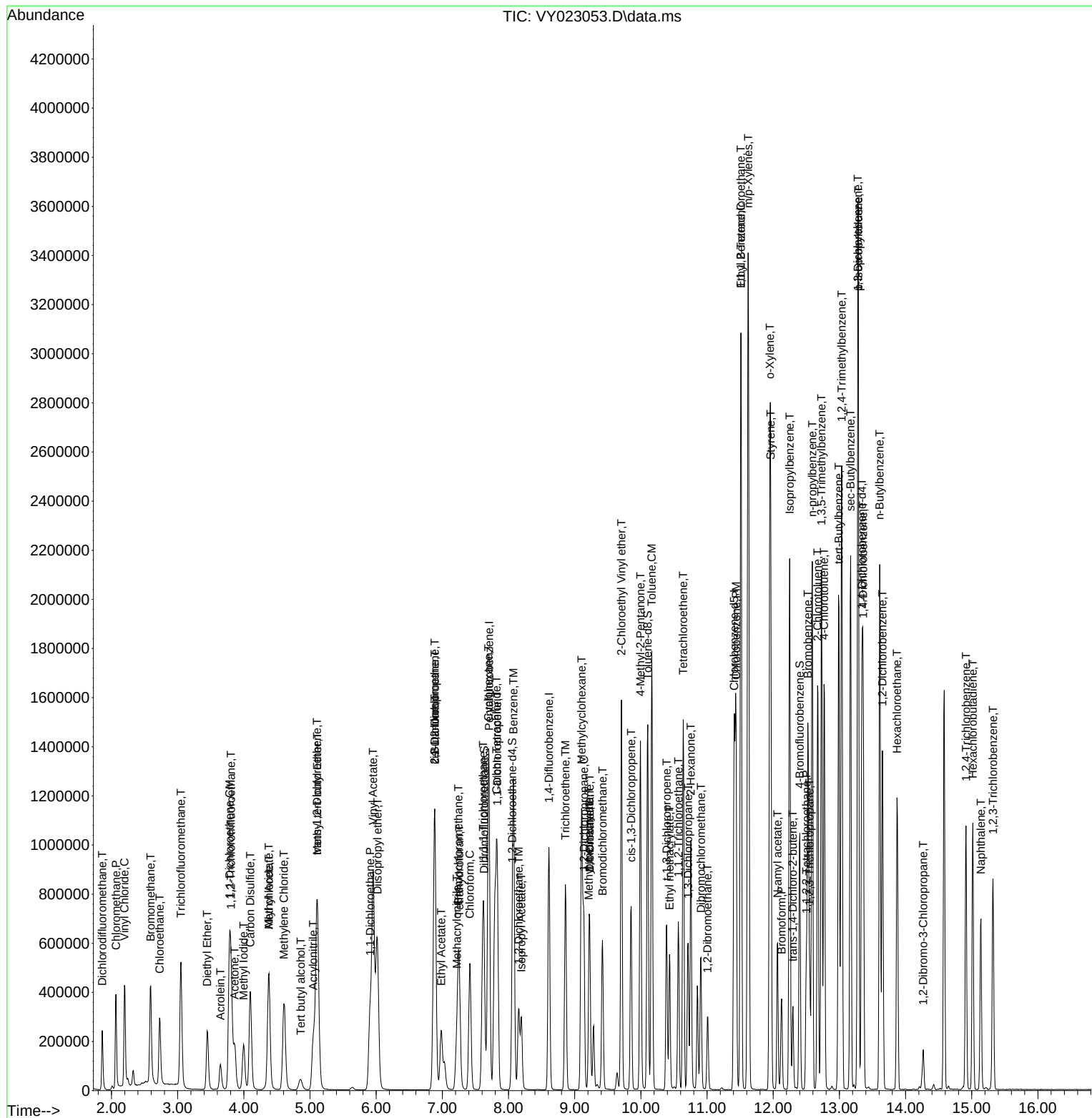
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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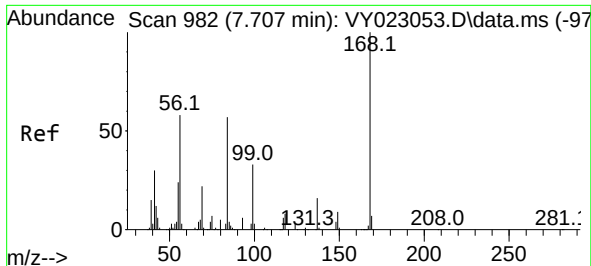
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081225\
Data File : VY023053.D
Acq On : 12 Aug 2025 16:02
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Quant Time: Aug 13 01:53:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 01:46:43 2025
Response via : Initial Calibration

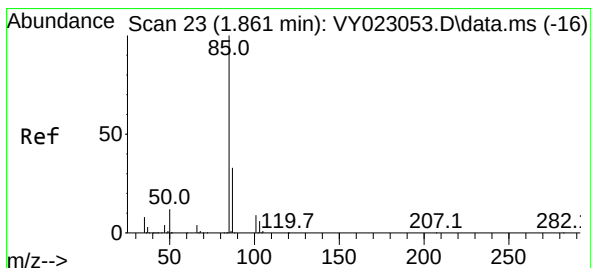
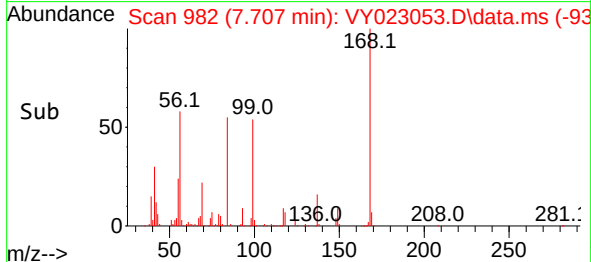
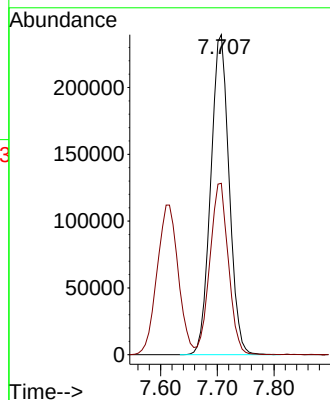
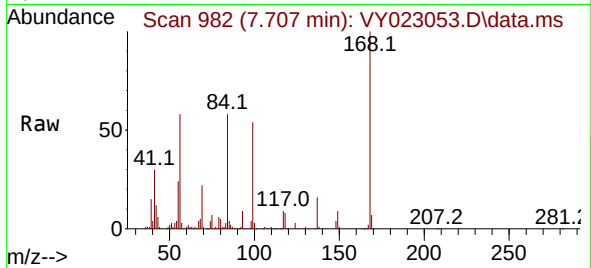




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

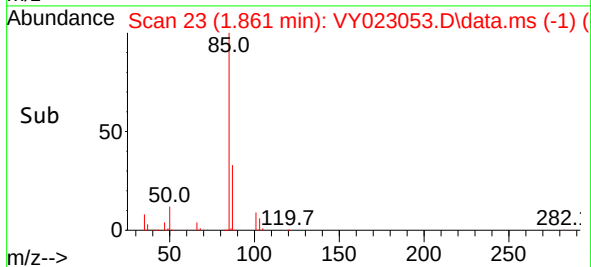
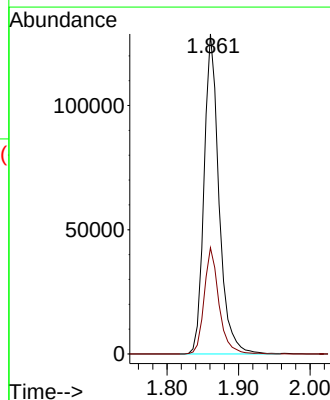
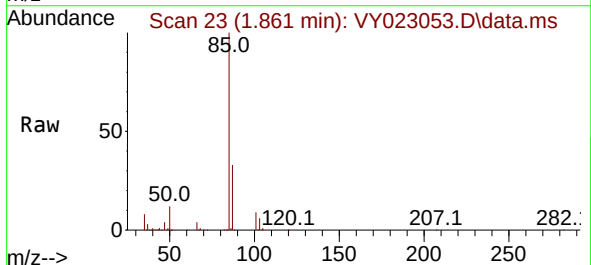
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

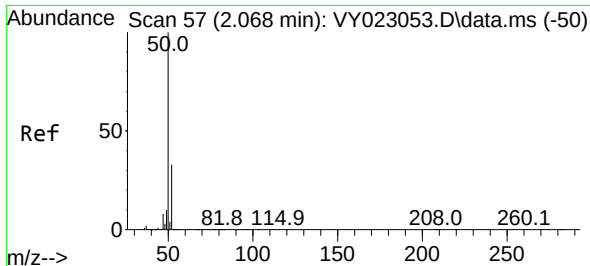
Tgt Ion:168 Resp: 539282
Ion Ratio Lower Upper
168 100
99 53.5 42.8 64.2



#2
Dichlorodifluoromethane
Concen: 42.677 ug/l
RT: 1.861 min Scan# 23
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion: 85 Resp: 187863
Ion Ratio Lower Upper
85 100
87 33.2 16.6 49.8

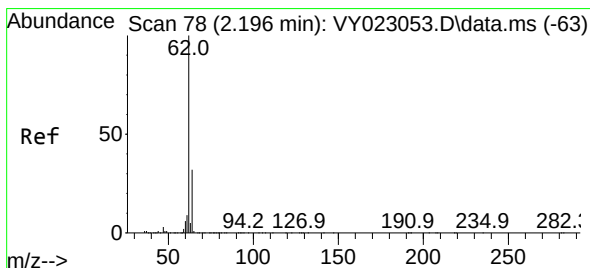
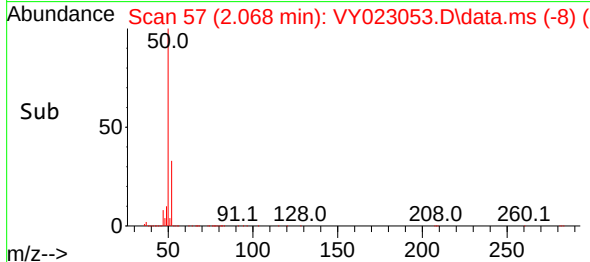
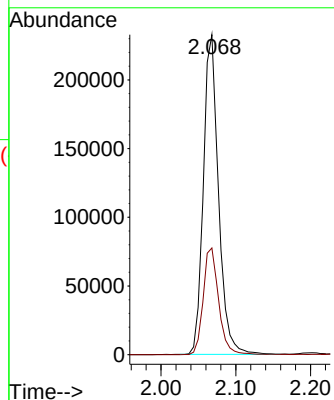
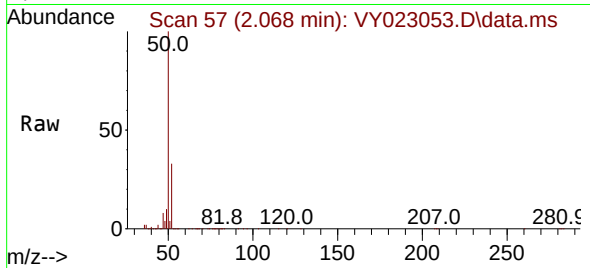




#3
Chloromethane
Concen: 45.932 ug/l
RT: 2.068 min Scan# 51
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

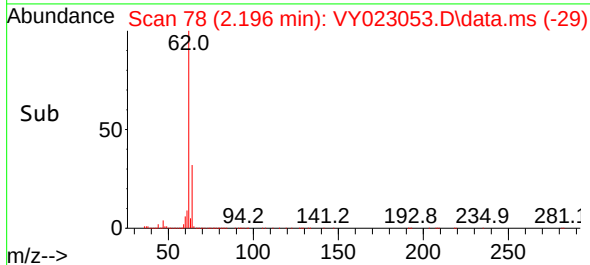
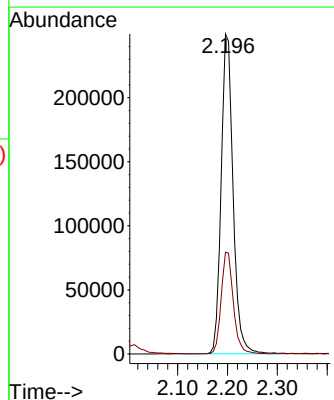
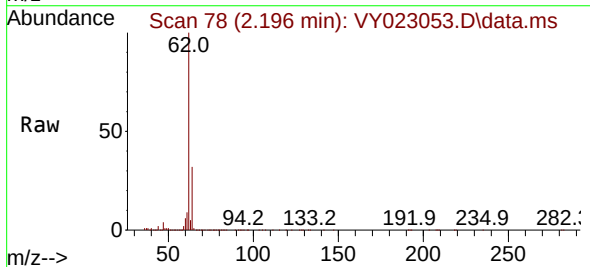
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

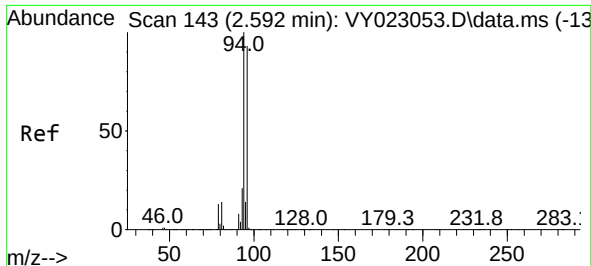
Tgt Ion: 50 Resp: 327481
Ion Ratio Lower Upper
50 100
52 33.4 26.7 40.1



#4
Vinyl Chloride
Concen: 47.044 ug/l
RT: 2.196 min Scan# 78
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion: 62 Resp: 414609
Ion Ratio Lower Upper
62 100
64 31.7 25.4 38.0

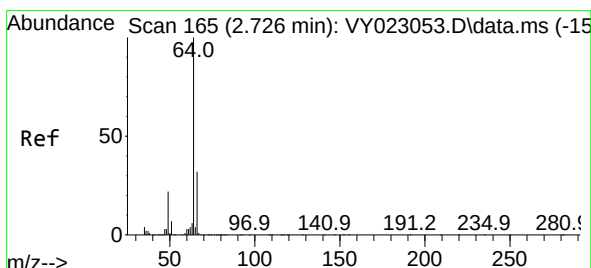
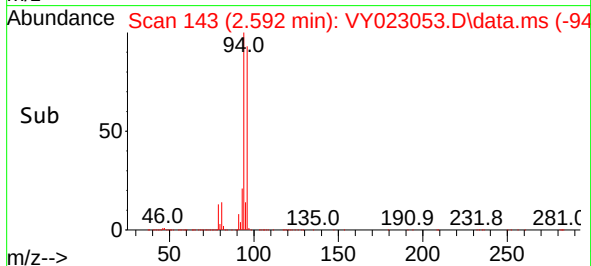
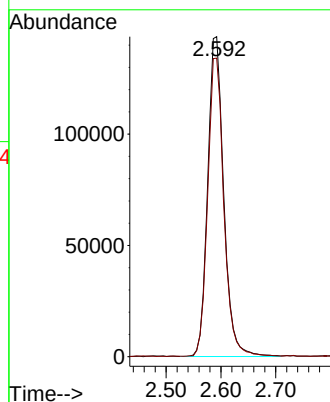
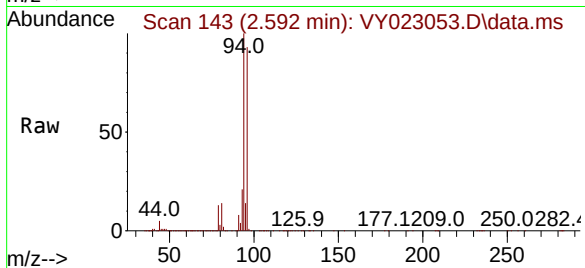




#5
Bromomethane
Concen: 44.263 ug/l
RT: 2.592 min Scan# 143
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

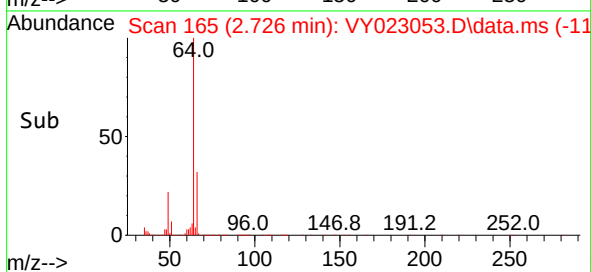
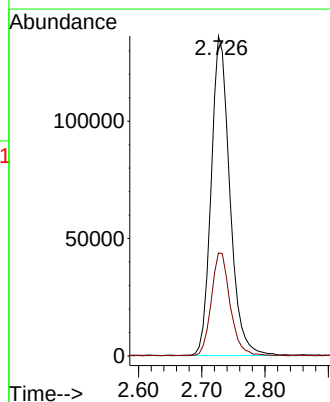
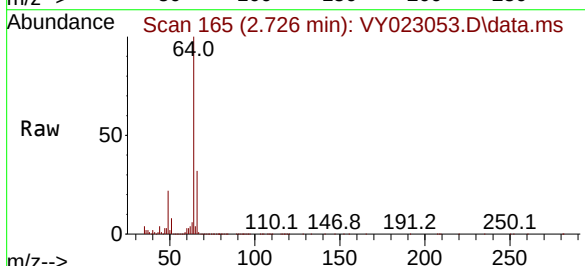
Instrument :
MSVOA_Y
ClientSampleId :
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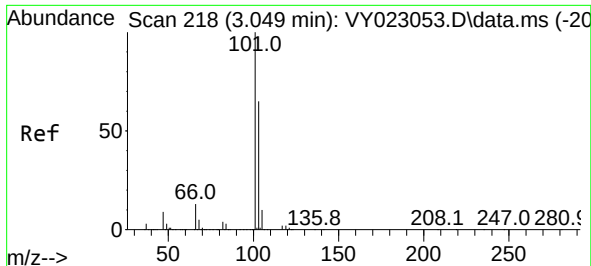
Tgt Ion: 94 Resp: 291336
Ion Ratio Lower Upper
94 100
96 93.3 74.6 112.0



#6
Chloroethane
Concen: 47.394 ug/l
RT: 2.726 min Scan# 165
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion: 64 Resp: 277698
Ion Ratio Lower Upper
64 100
66 32.2 25.8 38.6

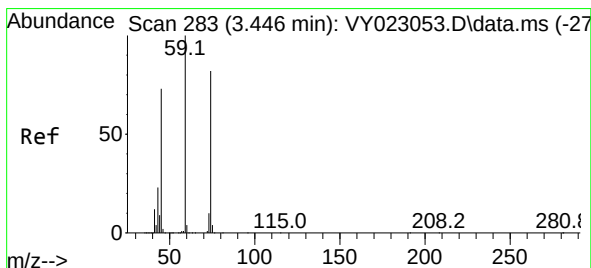
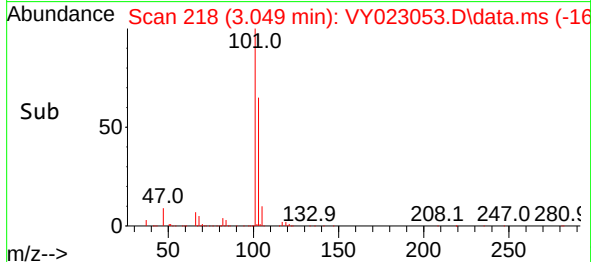
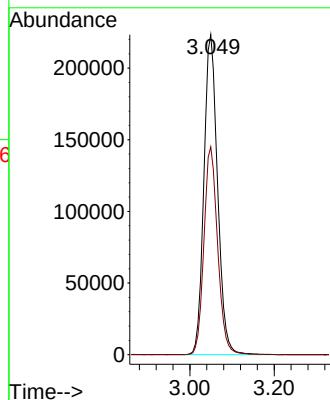
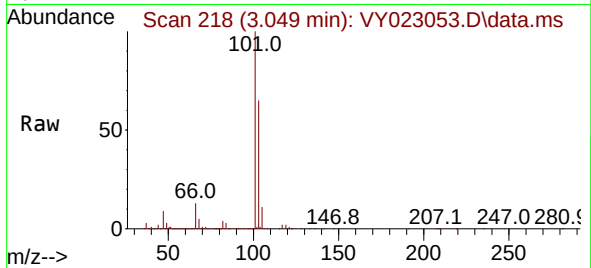




#7
Trichlorofluoromethane
Concen: 47.136 ug/l
RT: 3.049 min Scan# 218
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

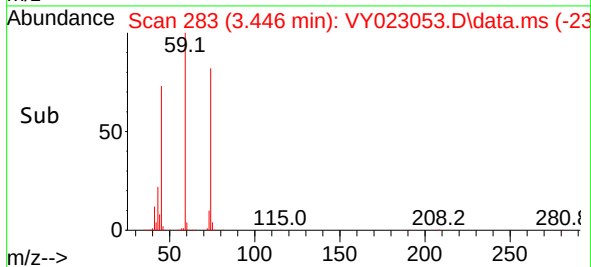
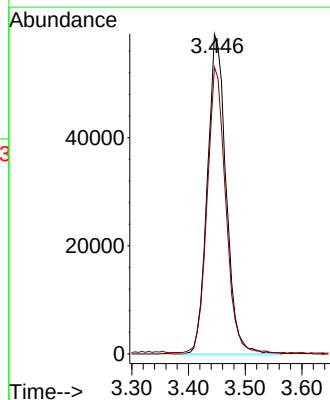
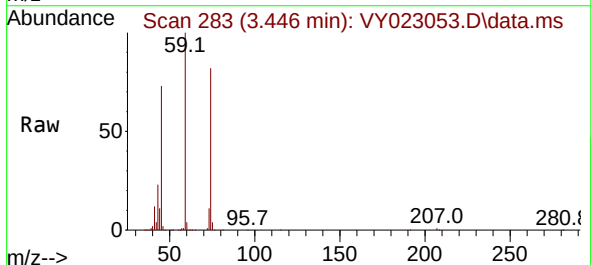
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

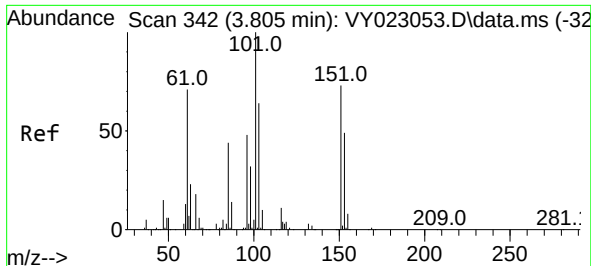
Tgt Ion:101 Resp: 505137
Ion Ratio Lower Upper
101 100
103 64.9 51.9 77.9



#8
Diethyl Ether
Concen: 47.747 ug/l
RT: 3.446 min Scan# 283
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion: 74 Resp: 135373
Ion Ratio Lower Upper
74 100
45 88.8 44.4 133.2

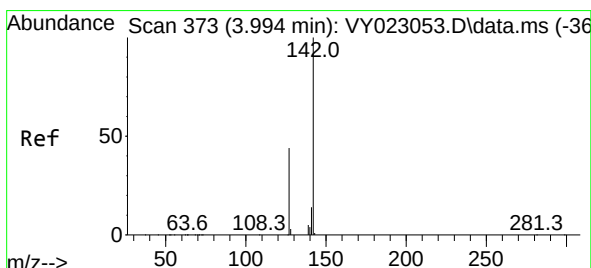
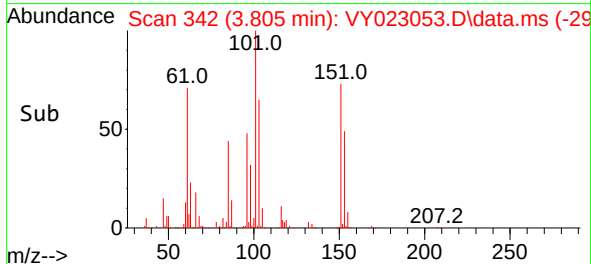
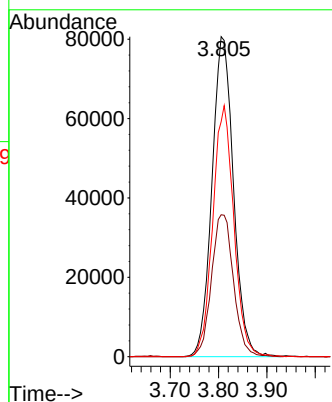
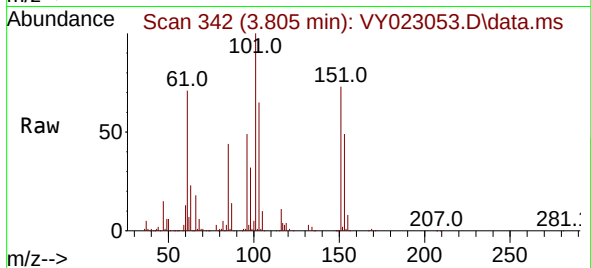




#9
1,1,2-Trichlorotrifluoroethane
Concen: 47.109 ug/l
RT: 3.805 min Scan# 342
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

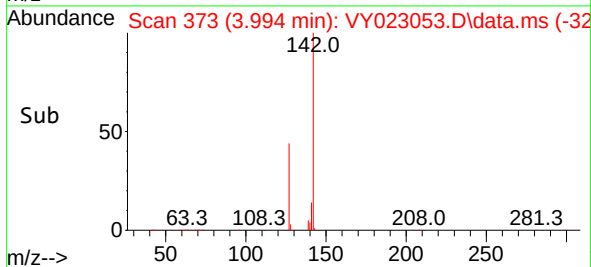
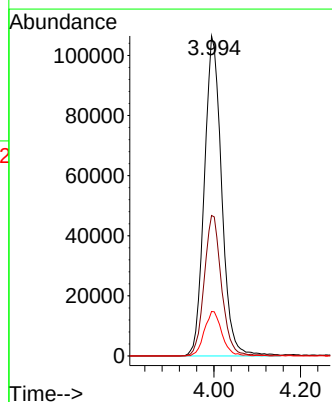
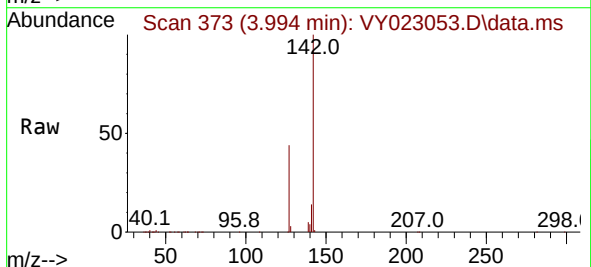
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

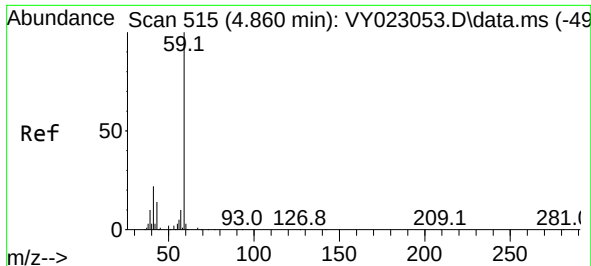
Tgt Ion:101 Resp: 249063
Ion Ratio Lower Upper
101 100
85 45.4 36.3 54.5
151 76.9 61.5 92.3



#10
Methyl Iodide
Concen: 51.899 ug/l
RT: 3.994 min Scan# 373
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion:142 Resp: 296087
Ion Ratio Lower Upper
142 100
127 43.6 34.9 52.3
141 14.1 11.3 16.9

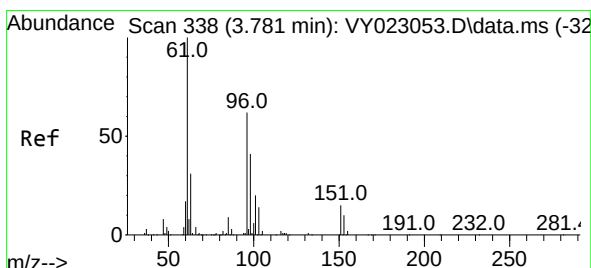
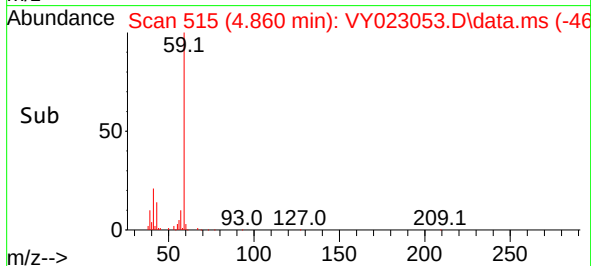
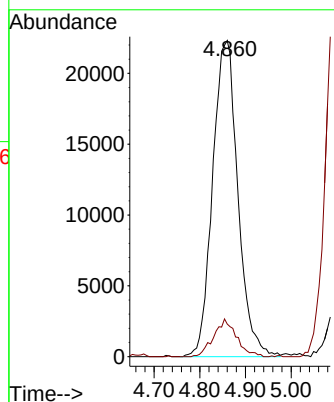
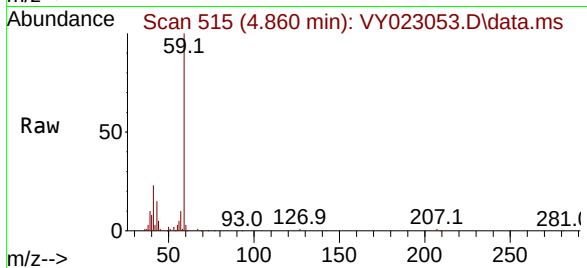




#11
Tert butyl alcohol
Concen: 243.383 ug/l
RT: 4.860 min Scan# 515
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

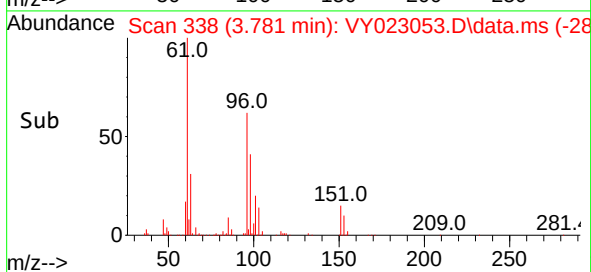
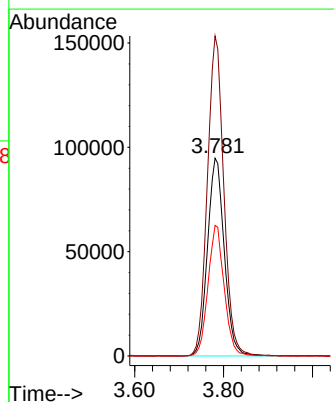
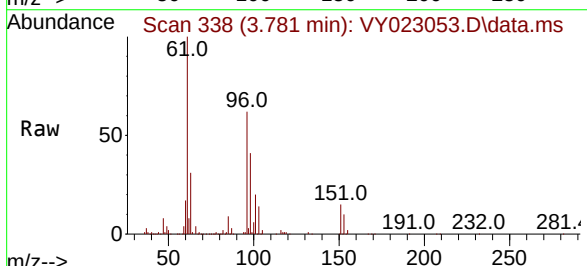
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

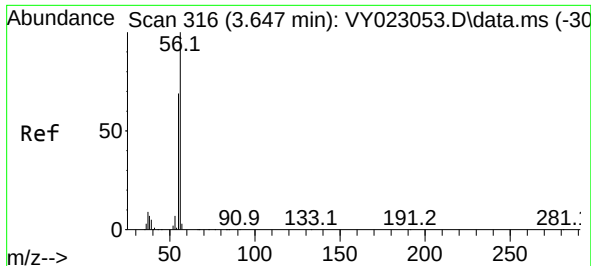
Tgt Ion: 59 Resp: 85712
Ion Ratio Lower Upper
59 100
57 10.8 8.6 13.0



#12
1,1-Dichloroethene
Concen: 48.009 ug/l
RT: 3.781 min Scan# 338
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion: 96 Resp: 249492
Ion Ratio Lower Upper
96 100
61 161.8 129.4 194.2
98 66.0 52.8 79.2

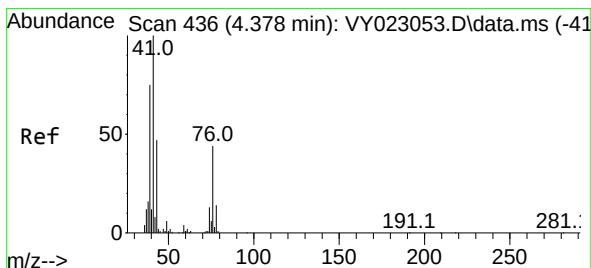
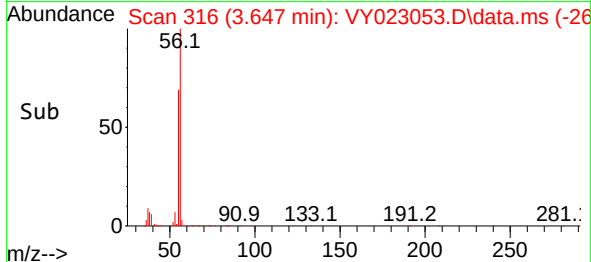
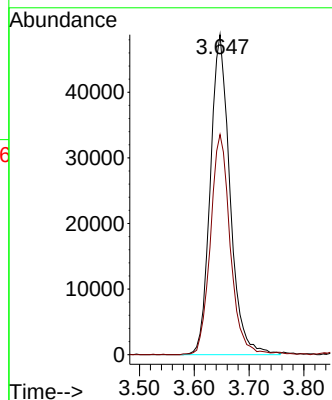
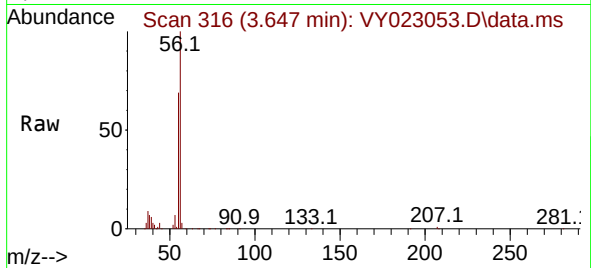




#13
Acrolein
Concen: 234.966 ug/l
RT: 3.647 min Scan# 316
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

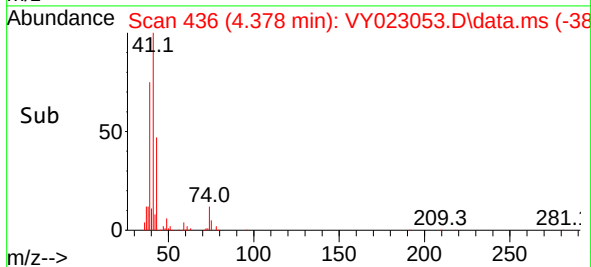
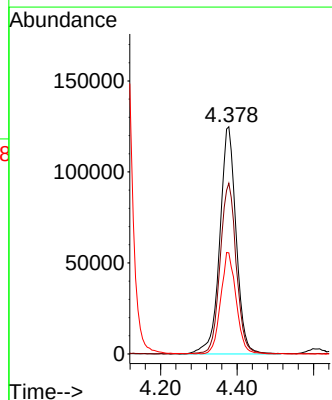
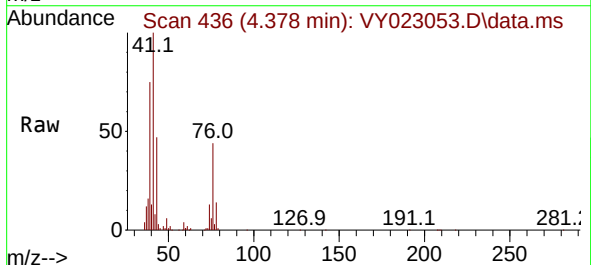
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

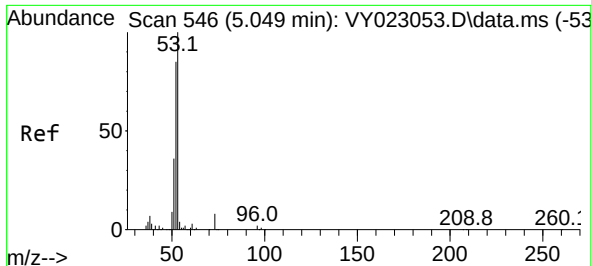
Tgt Ion: 56 Resp: 121185
Ion Ratio Lower Upper
56 100
55 69.0 55.2 82.8



#14
Allyl chloride
Concen: 48.350 ug/l
RT: 4.378 min Scan# 436
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion: 41 Resp: 369720
Ion Ratio Lower Upper
41 100
39 74.7 59.8 89.6
76 42.1 33.7 50.5

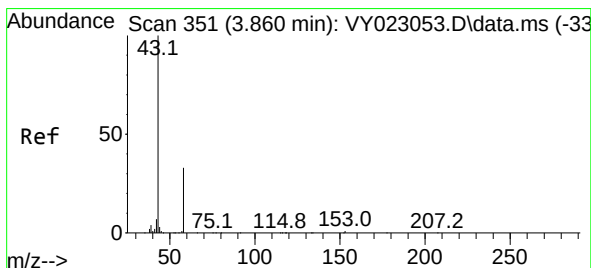
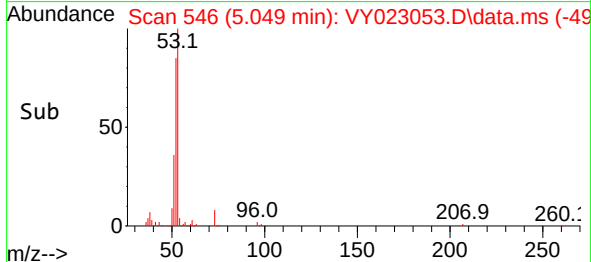
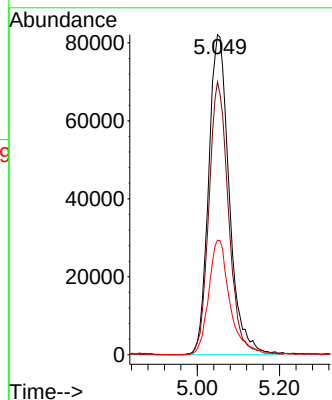
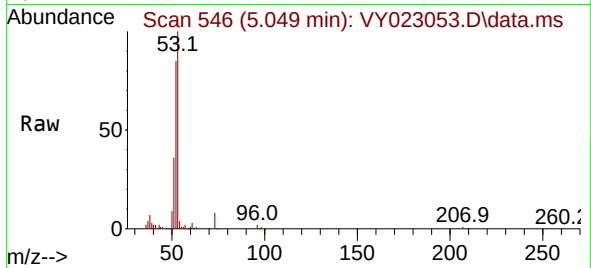




#15
Acrylonitrile
Concen: 247.839 ug/l
RT: 5.049 min Scan# 546
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

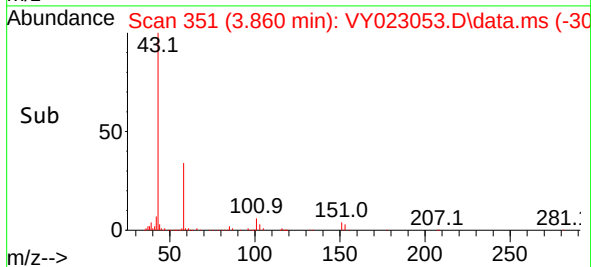
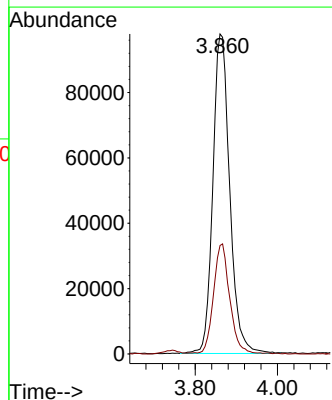
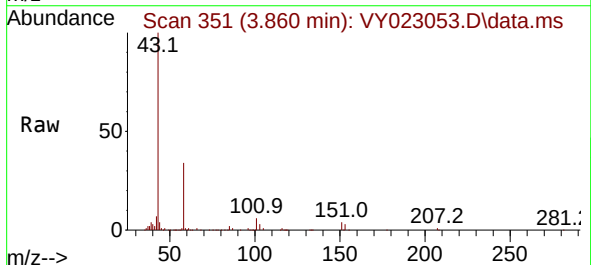
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

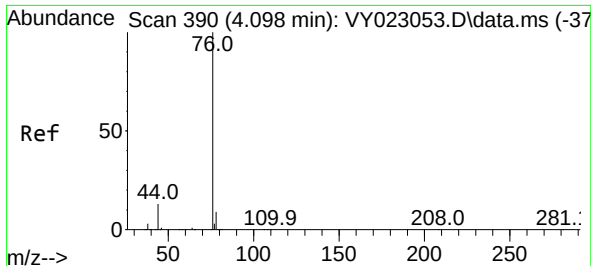
Tgt Ion:	53	Resp:	285675
Ion	Ratio	Lower	Upper
53	100		
52	81.6	65.3	97.9
51	36.9	29.5	44.3



#16
Acetone
Concen: 250.122 ug/l
RT: 3.860 min Scan# 351
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion:	43	Resp:	278510
Ion	Ratio	Lower	Upper
43	100		
58	33.9	27.1	40.7

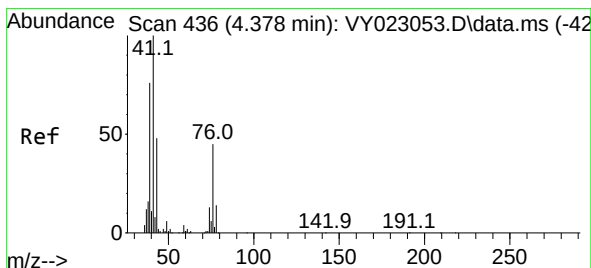
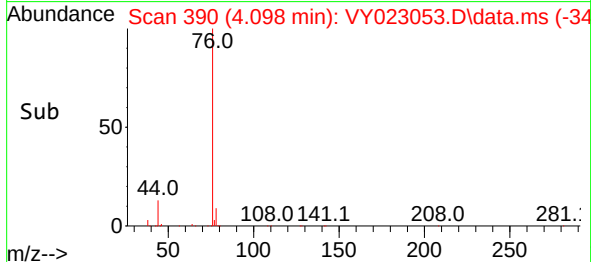
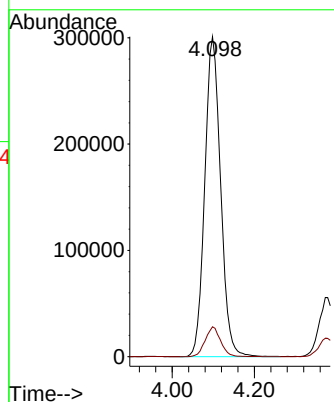
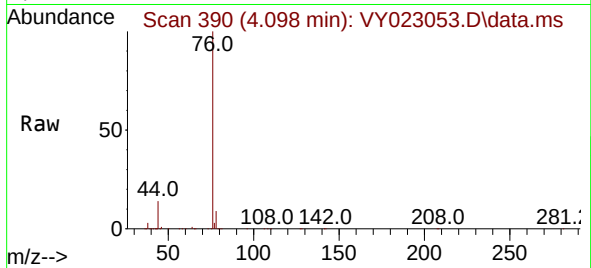




#17
Carbon Disulfide
Concen: 47.456 ug/l
RT: 4.098 min Scan# 390
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

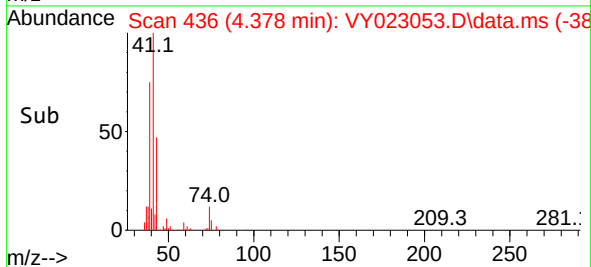
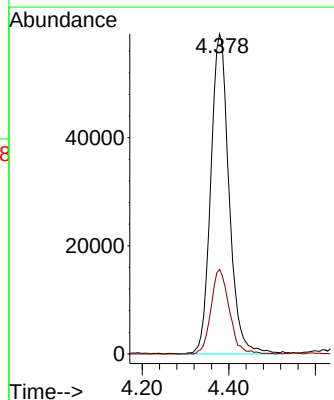
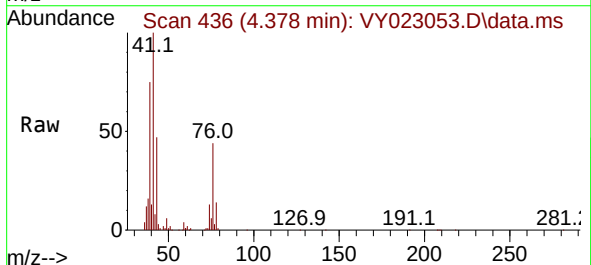
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

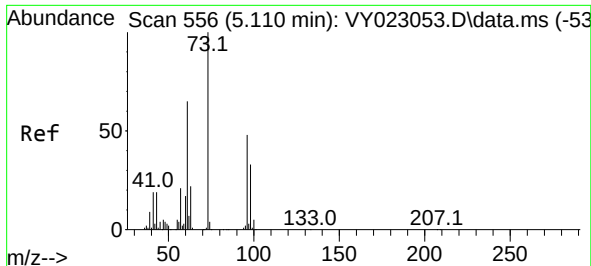
Tgt Ion: 76 Resp: 804119
Ion Ratio Lower Upper
76 100
78 9.3 7.4 11.2



#18
Methyl Acetate
Concen: 52.403 ug/l
RT: 4.378 min Scan# 436
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion: 43 Resp: 173642
Ion Ratio Lower Upper
43 100
74 26.5 21.2 31.8

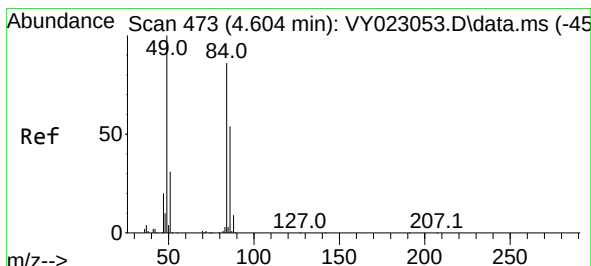
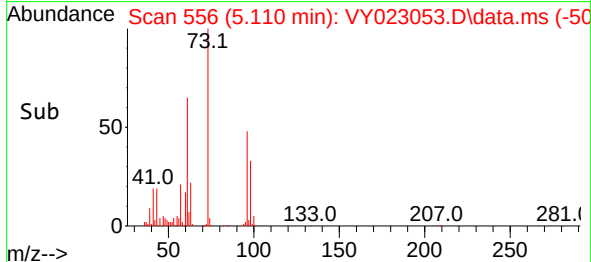
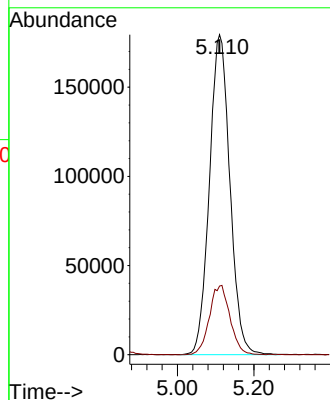
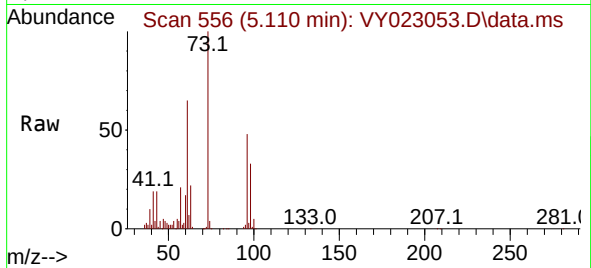




#19
Methyl tert-butyl Ether
Concen: 49.495 ug/l
RT: 5.110 min Scan# 511
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

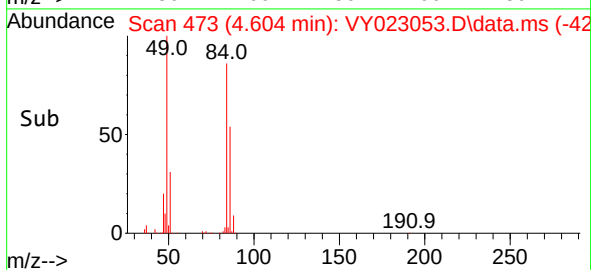
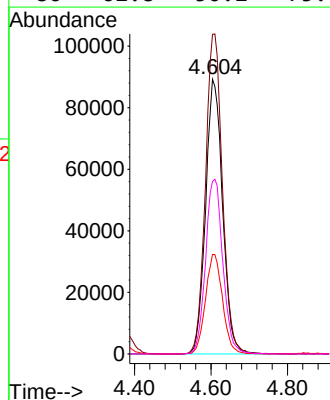
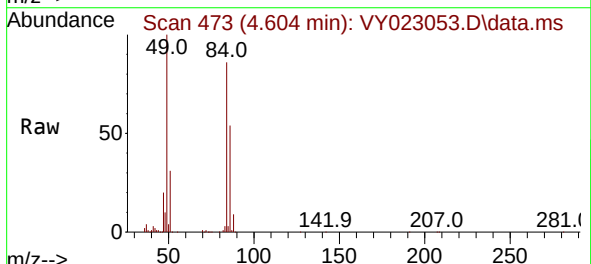
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

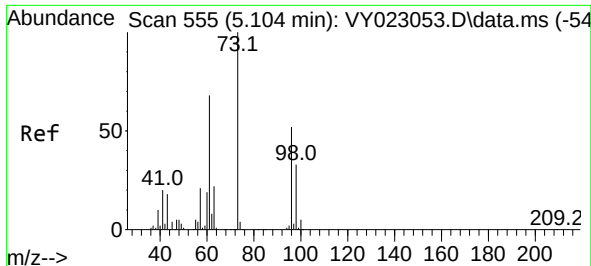
Tgt Ion: 73 Resp: 666514
Ion Ratio Lower Upper
73 100
57 21.4 17.1 25.7



#20
Methylene Chloride
Concen: 47.415 ug/l
RT: 4.604 min Scan# 473
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion: 84 Resp: 275004
Ion Ratio Lower Upper
84 100
49 116.3 93.0 139.6
51 36.2 29.0 43.4
86 62.8 50.2 75.4

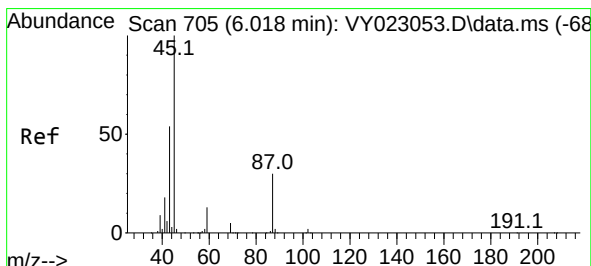
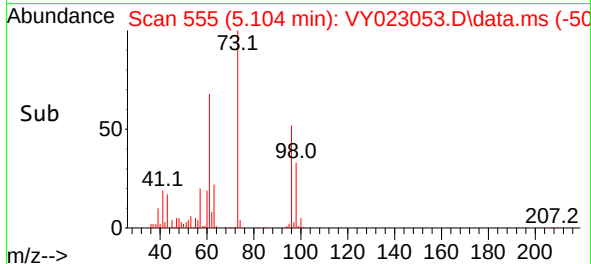
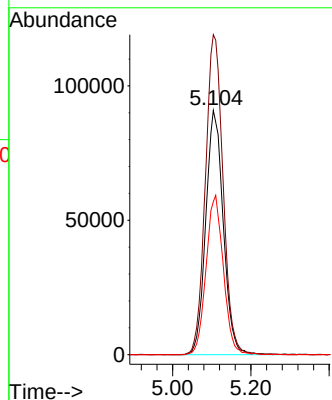
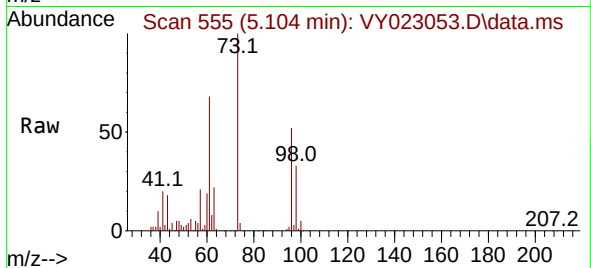




#21
trans-1,2-Dichloroethene
Concen: 48.334 ug/l
RT: 5.104 min Scan# 511
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

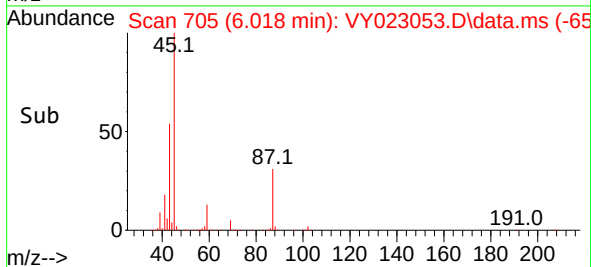
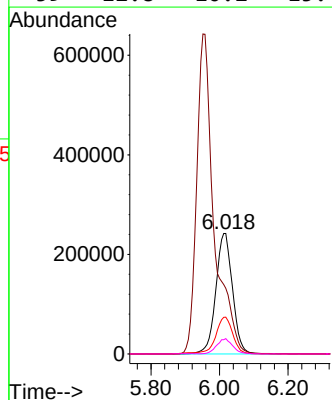
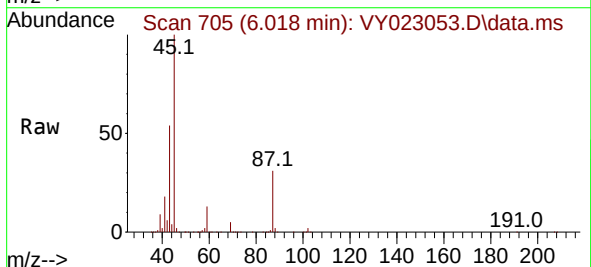
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

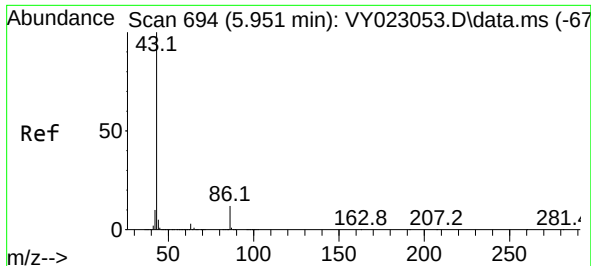
Tgt Ion: 96 Resp: 282272
Ion Ratio Lower Upper
96 100
61 131.0 104.8 157.2
98 62.6 50.1 75.1



#22
Diisopropyl ether
Concen: 49.070 ug/l
RT: 6.018 min Scan# 705
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion: 45 Resp: 815359
Ion Ratio Lower Upper
45 100
43 54.2 43.4 65.0
87 30.5 24.4 36.6
59 12.8 10.2 15.4

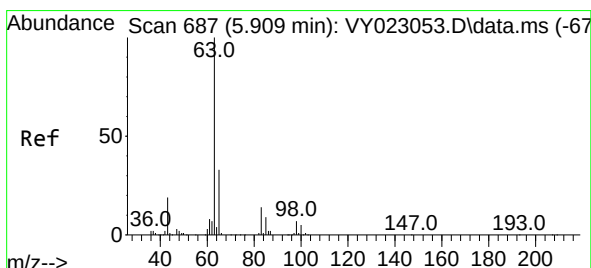
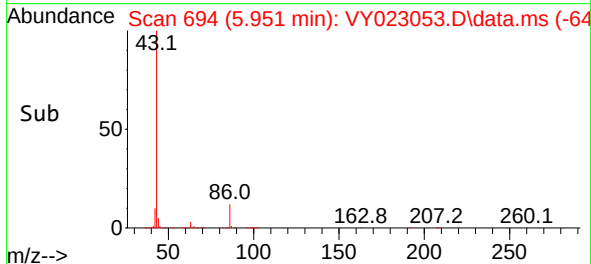
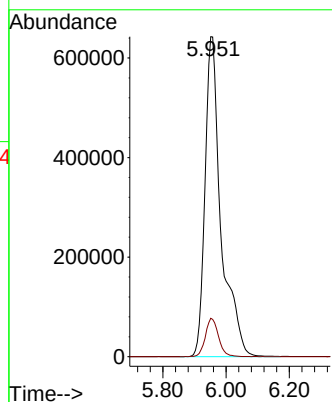
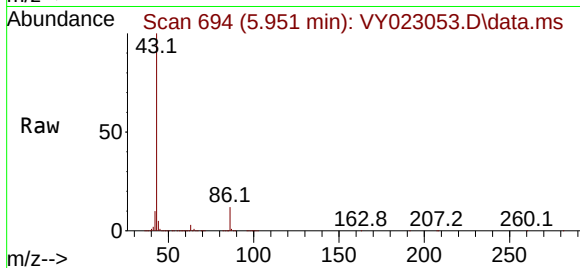




#23
 Vinyl Acetate
 Concen: 246.849 ug/l
 RT: 5.951 min Scan# 694
 Delta R.T. 0.000 min
 Lab File: VY023053.D
 Acq: 12 Aug 2025 16:02

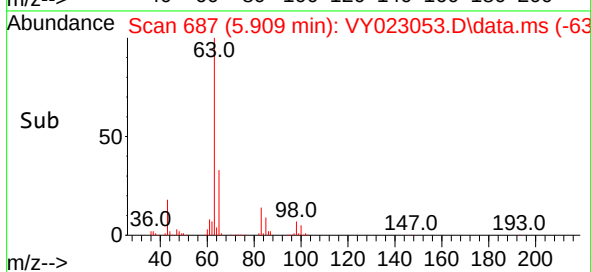
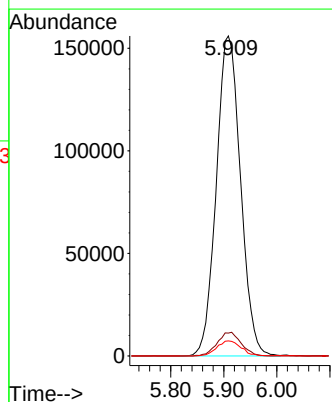
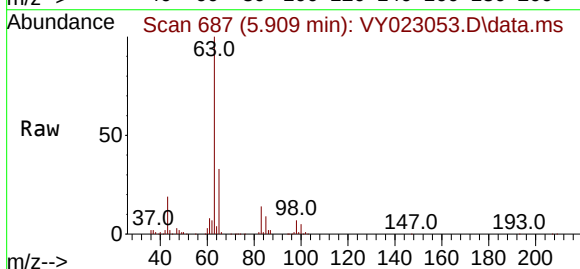
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

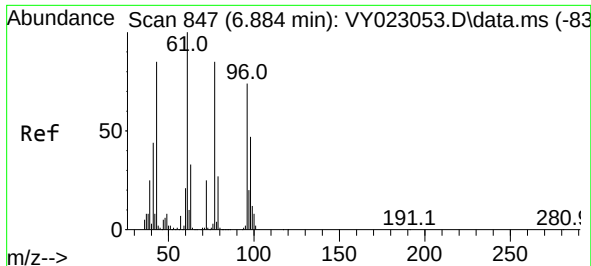
Tgt Ion: 43 Resp: 2268046
 Ion Ratio Lower Upper
 43 100
 86 12.0 9.6 14.4



#24
 1,1-Dichloroethane
 Concen: 48.732 ug/l
 RT: 5.909 min Scan# 687
 Delta R.T. 0.000 min
 Lab File: VY023053.D
 Acq: 12 Aug 2025 16:02

Tgt Ion: 63 Resp: 495073
 Ion Ratio Lower Upper
 63 100
 98 7.1 3.5 10.6
 100 4.7 2.4 7.1

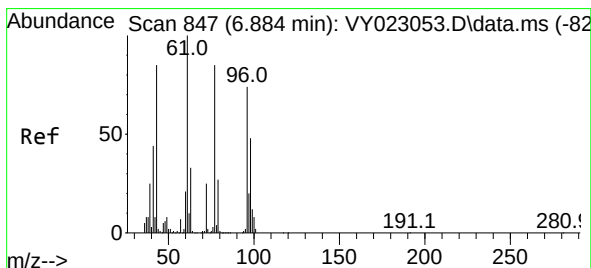
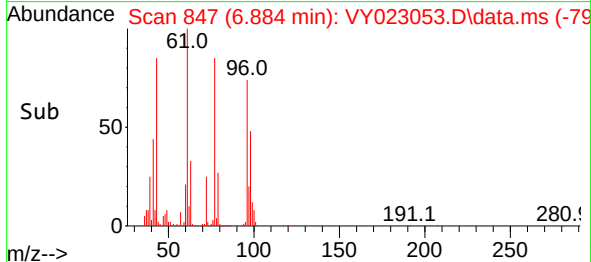
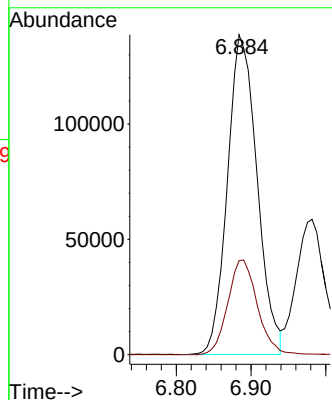
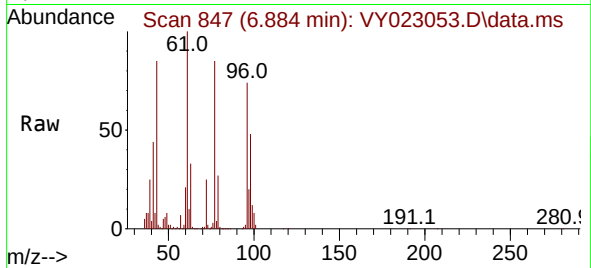




#25
2-Butanone
Concen: 252.715 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

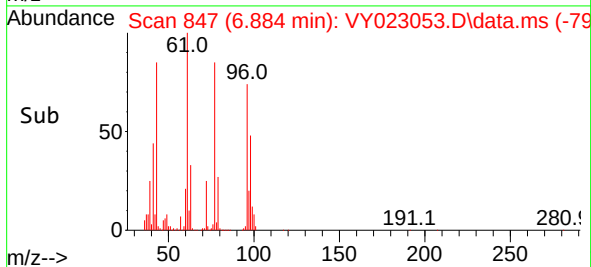
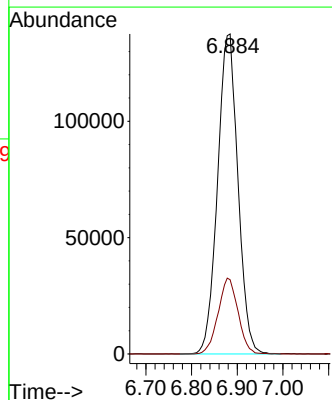
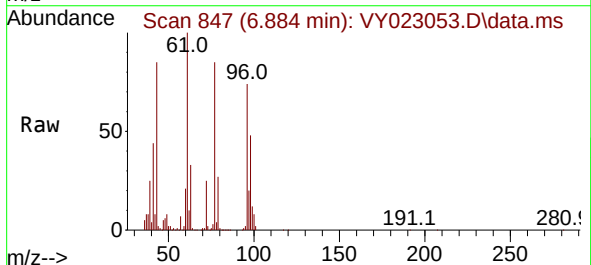
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

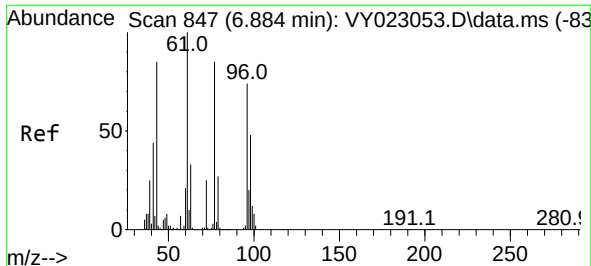
Tgt Ion: 43 Resp: 382711
Ion Ratio Lower Upper
43 100
72 29.4 23.5 35.3



#26
2,2-Dichloropropane
Concen: 48.571 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion: 77 Resp: 425773
Ion Ratio Lower Upper
77 100
97 23.2 11.6 34.8

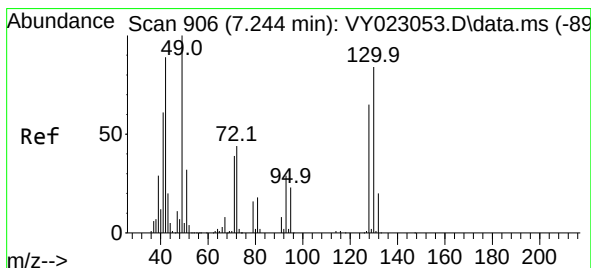
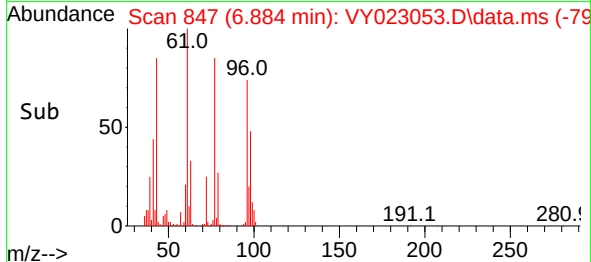
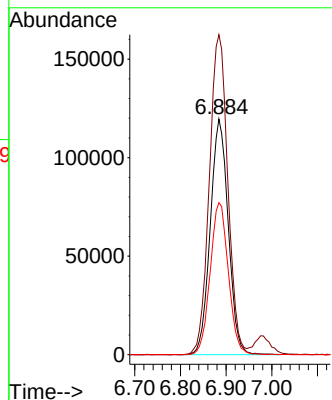
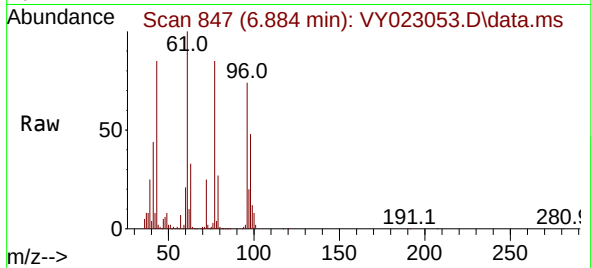




#27
 cis-1,2-Dichloroethene
 Concen: 48.474 ug/l
 RT: 6.884 min Scan# 847
 Delta R.T. 0.000 min
 Lab File: VY023053.D
 Acq: 12 Aug 2025 16:02

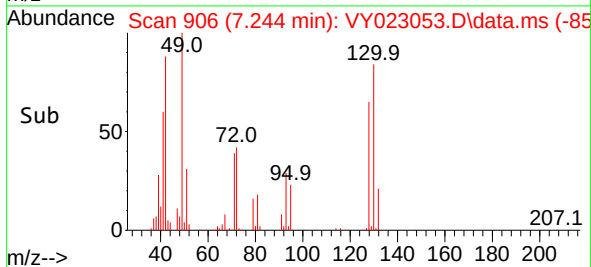
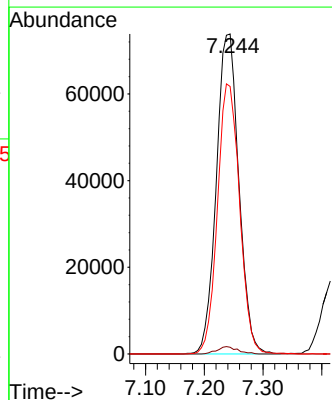
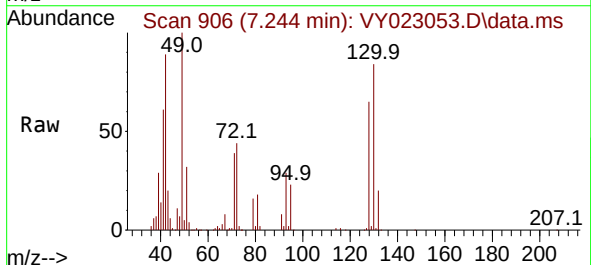
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

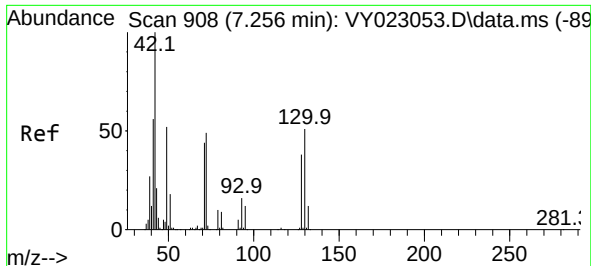
Tgt Ion: 96 Resp: 327272
 Ion Ratio Lower Upper
 96 100
 61 139.3 0.0 278.6
 98 65.2 0.0 130.4



#28
 Bromochloromethane
 Concen: 48.795 ug/l
 RT: 7.244 min Scan# 906
 Delta R.T. 0.000 min
 Lab File: VY023053.D
 Acq: 12 Aug 2025 16:02

Tgt Ion: 49 Resp: 196667
 Ion Ratio Lower Upper
 49 100
 129 2.1 0.0 4.2
 130 83.0 66.4 99.6





#29

Tetrahydrofuran

Concen: 250.523 ug/l

RT: 7.256 min Scan# 908

Delta R.T. 0.000 min

Lab File: VY023053.D

Acq: 12 Aug 2025 16:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

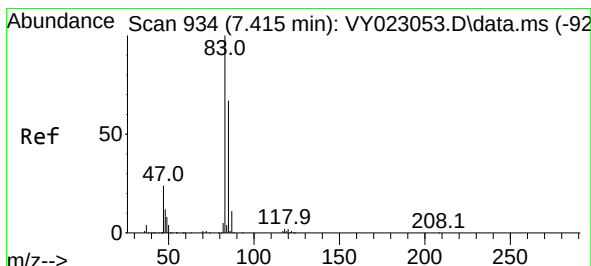
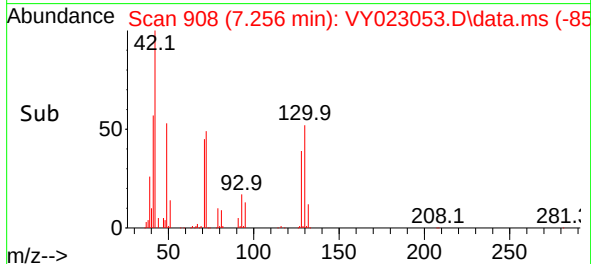
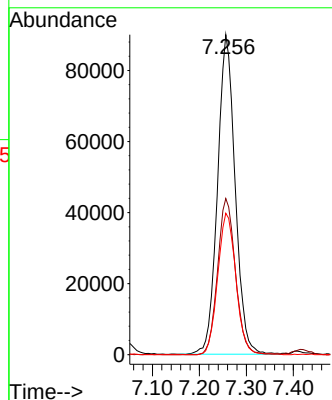
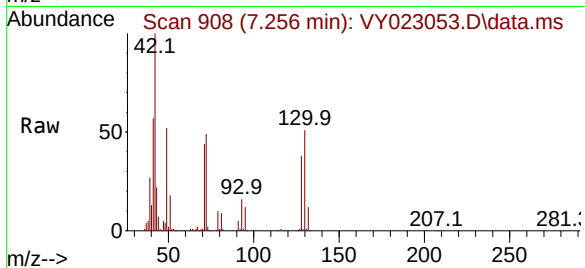
Tgt Ion: 42 Resp: 235169

Ion Ratio Lower Upper

42 100

72 49.3 39.4 59.2

71 45.6 36.5 54.7



#30

Chloroform

Concen: 48.547 ug/l

RT: 7.415 min Scan# 934

Delta R.T. 0.000 min

Lab File: VY023053.D

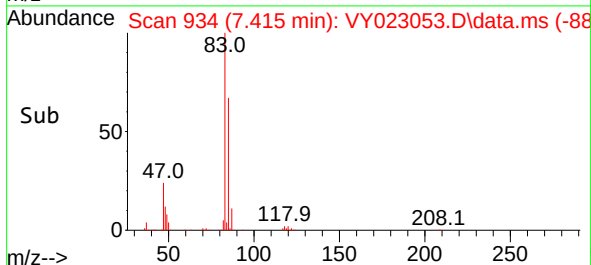
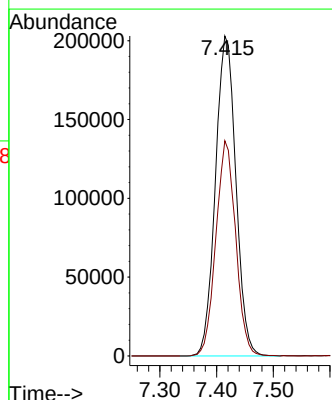
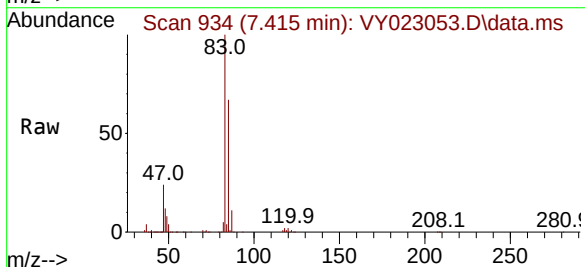
Acq: 12 Aug 2025 16:02

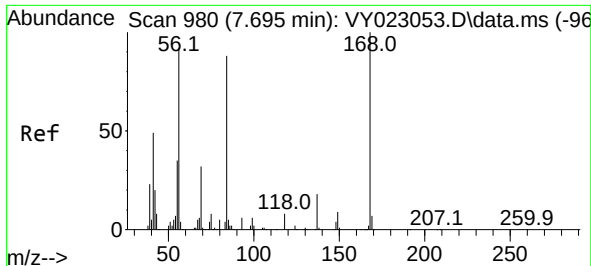
Tgt Ion: 83 Resp: 508641

Ion Ratio Lower Upper

83 100

85 67.3 53.8 80.8

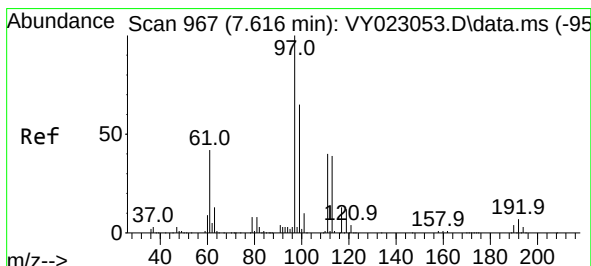
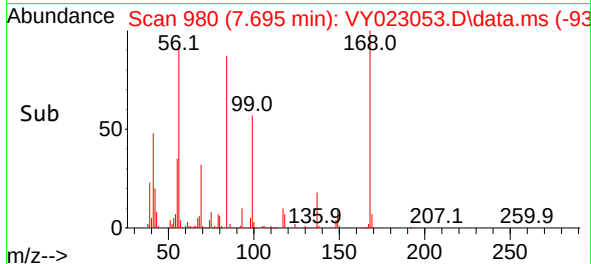
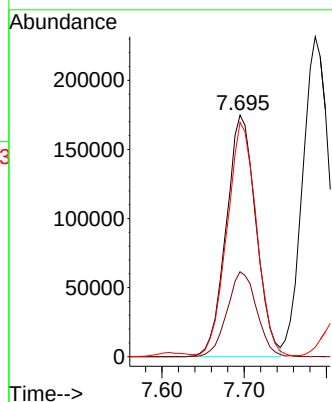
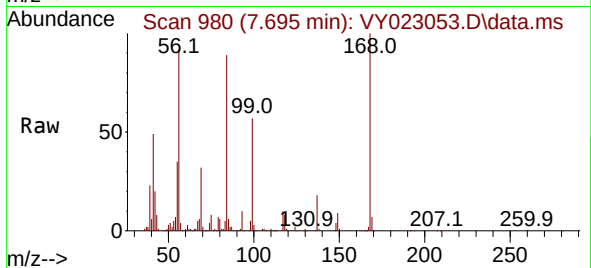




#31
Cyclohexane
Concen: 45.989 ug/l
RT: 7.695 min Scan# 980
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

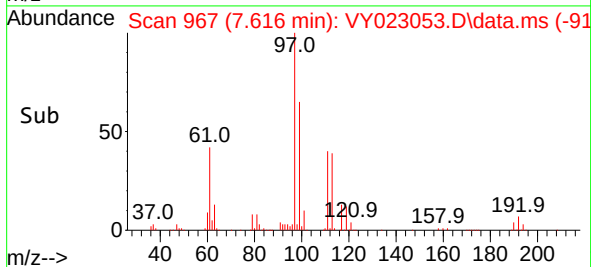
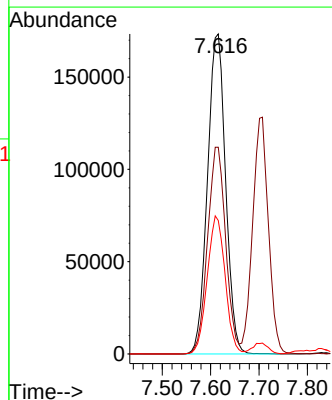
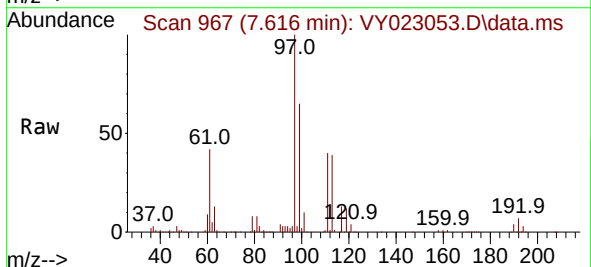
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

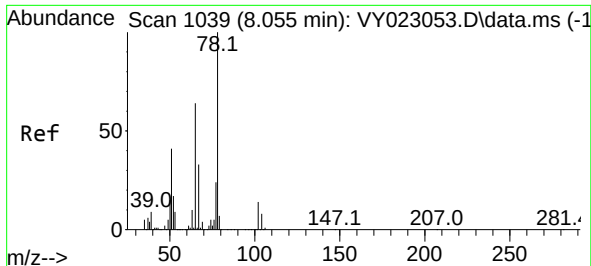
Tgt Ion: 56 Resp: 440266
Ion Ratio Lower Upper
56 100
69 35.2 28.2 42.2
84 95.7 76.6 114.8



#32
1,1,1-Trichloroethane
Concen: 48.569 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion: 97 Resp: 451521
Ion Ratio Lower Upper
97 100
99 64.5 51.6 77.4
61 42.7 34.2 51.2





#33

1,2-Dichloroethane-d4

Concen: 48.455 ug/l

RT: 8.055 min Scan# 1103

Delta R.T. 0.000 min

Lab File: VY023053.D

Acq: 12 Aug 2025 16:02

Instrument :

MSVOA_Y

ClientSampleId :

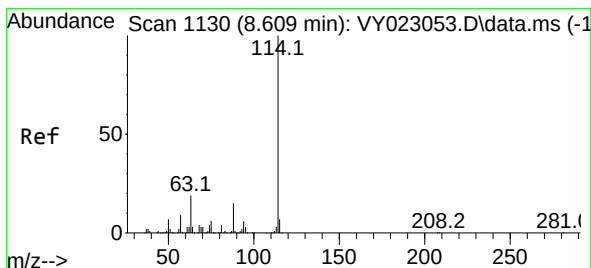
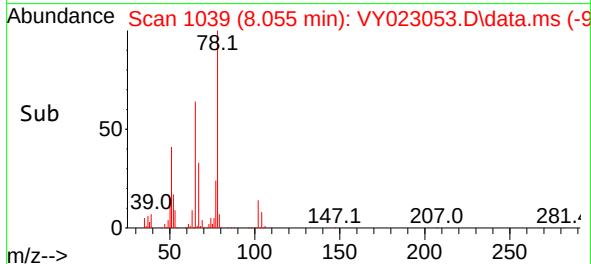
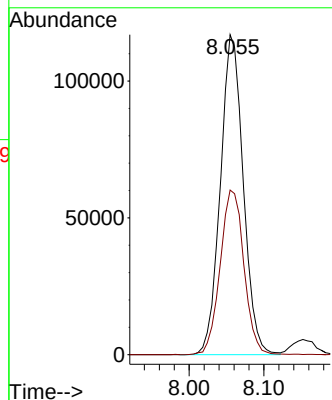
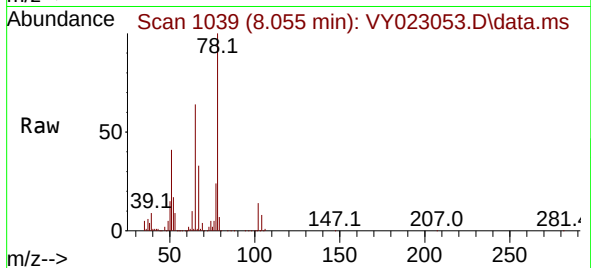
VSTDICCC050

Tgt Ion: 65 Resp: 249044

Ion Ratio Lower Upper

65 100

67 53.4 0.0 106.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.609 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VY023053.D

Acq: 12 Aug 2025 16:02

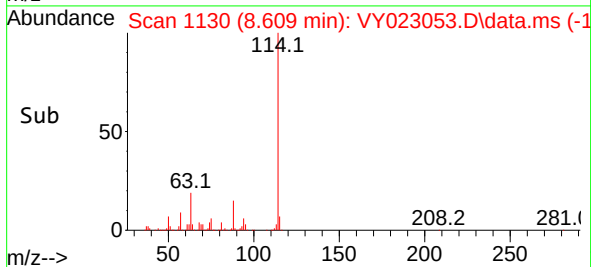
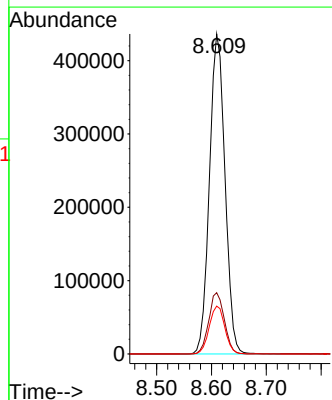
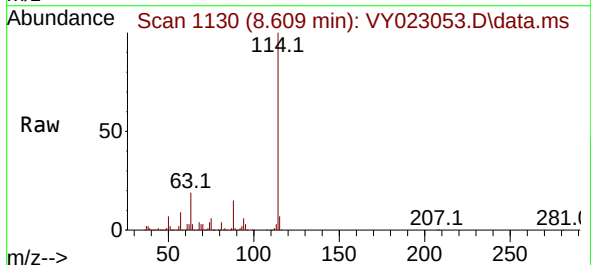
Tgt Ion: 114 Resp: 856556

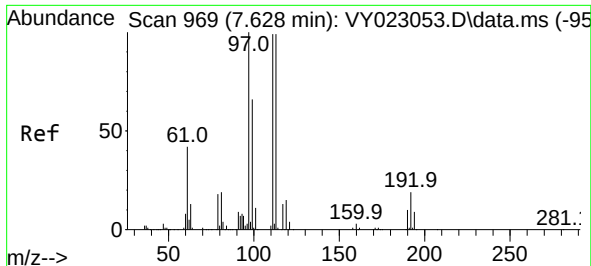
Ion Ratio Lower Upper

114 100

63 19.2 0.0 38.4

88 15.0 0.0 30.0





#35

Dibromofluoromethane

Concen: 49.010 ug/l

RT: 7.628 min Scan# 9

Delta R.T. 0.000 min

Lab File: VY023053.D

Acq: 12 Aug 2025 16:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

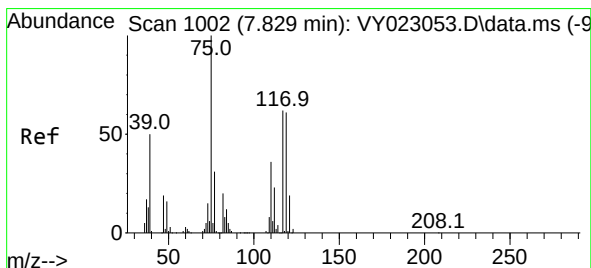
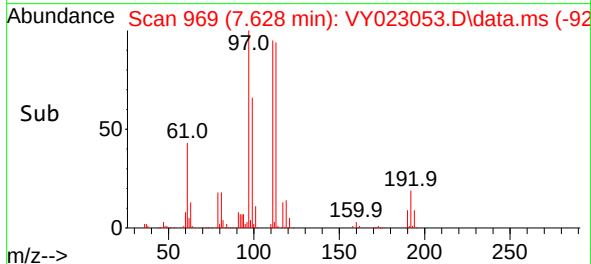
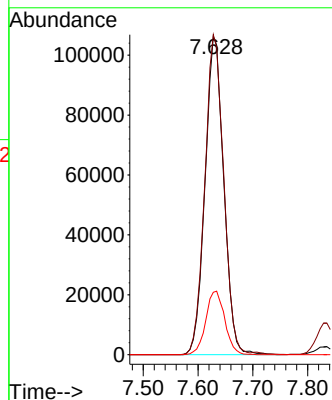
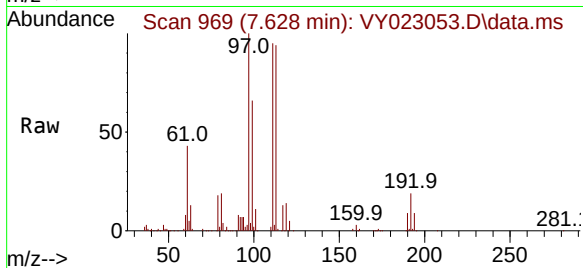
Tgt Ion:113 Resp: 251193

Ion Ratio Lower Upper

113 100

111 101.4 81.1 121.7

192 20.3 16.2 24.4



#36

1,1-Dichloropropene

Concen: 48.734 ug/l

RT: 7.829 min Scan# 1002

Delta R.T. 0.000 min

Lab File: VY023053.D

Acq: 12 Aug 2025 16:02

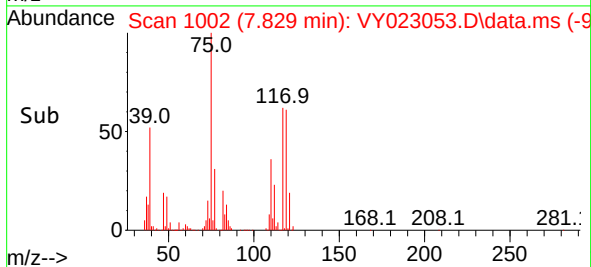
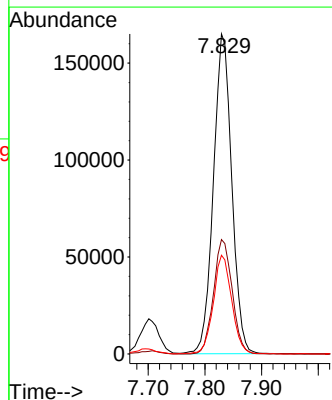
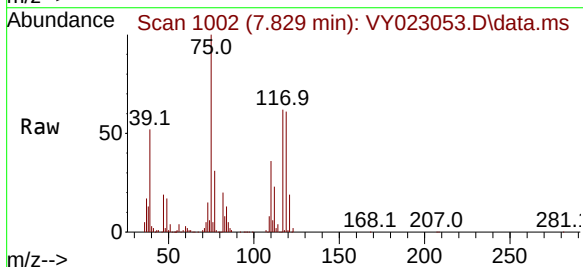
Tgt Ion: 75 Resp: 371204

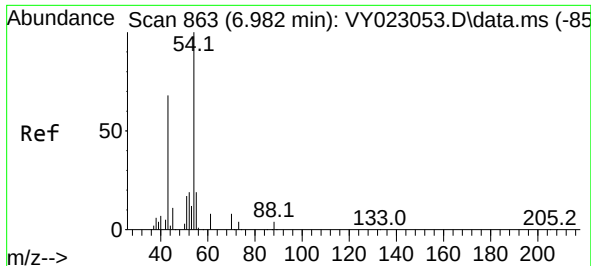
Ion Ratio Lower Upper

75 100

110 36.3 18.1 54.4

77 30.8 24.6 37.0

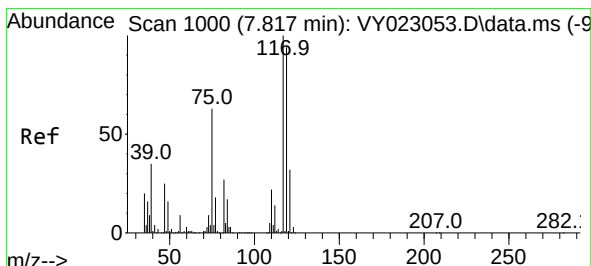
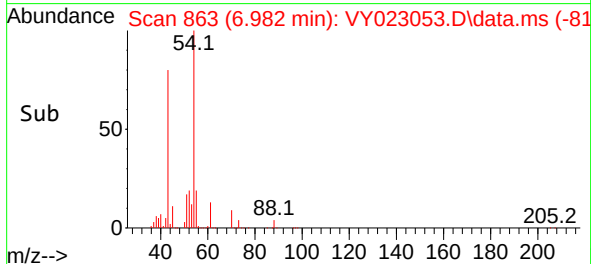
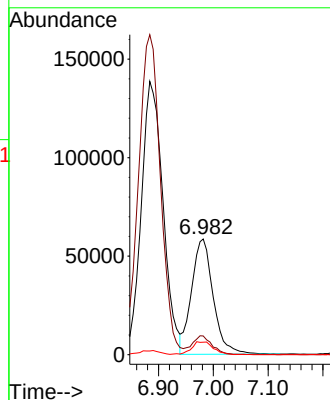
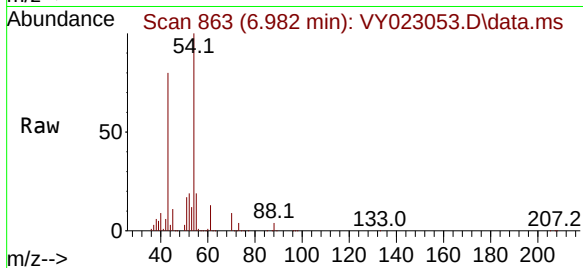




#37
Ethyl Acetate
Concen: 50.311 ug/l
RT: 6.982 min Scan# 863
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

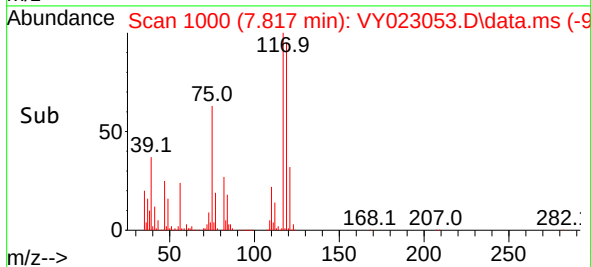
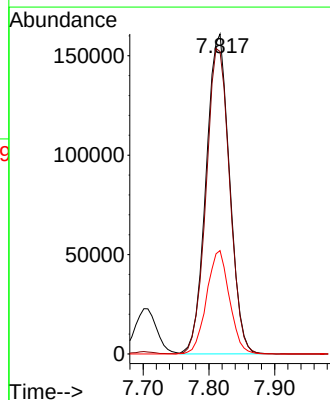
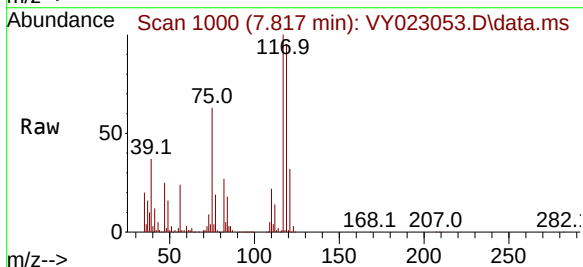
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

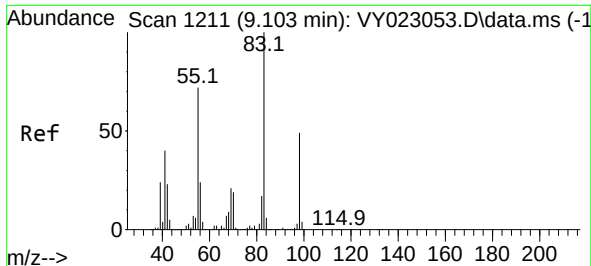
Tgt Ion: 43 Resp: 160980
Ion Ratio Lower Upper
43 100
61 14.9 11.9 17.9
70 11.0 8.8 13.2



#38
Carbon Tetrachloride
Concen: 48.285 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion: 117 Resp: 399463
Ion Ratio Lower Upper
117 100
119 94.5 75.6 113.4
121 32.3 25.8 38.8





#39

Methylcyclohexane

Concen: 48.321 ug/l

RT: 9.103 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY023053.D

Acq: 12 Aug 2025 16:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

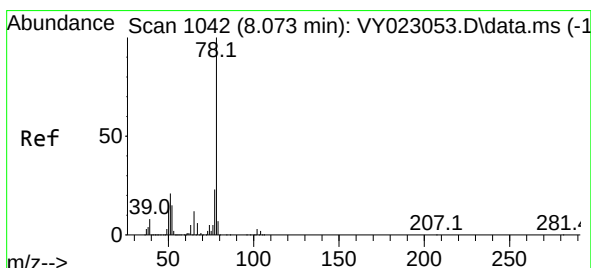
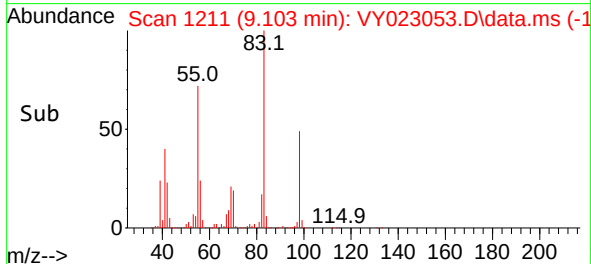
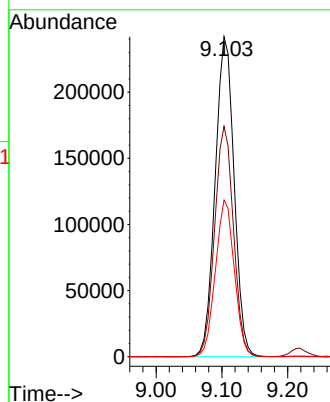
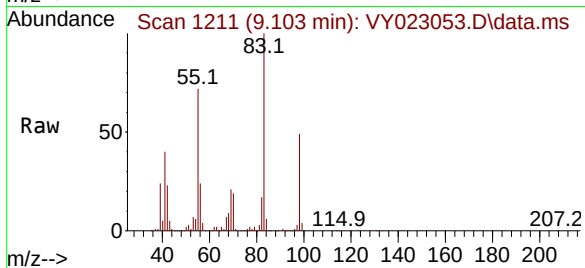
Tgt Ion: 83 Resp: 484691

Ion Ratio Lower Upper

83 100

55 72.0 57.6 86.4

98 49.0 39.2 58.8



#40

Benzene

Concen: 48.683 ug/l

RT: 8.073 min Scan# 1042

Delta R.T. 0.000 min

Lab File: VY023053.D

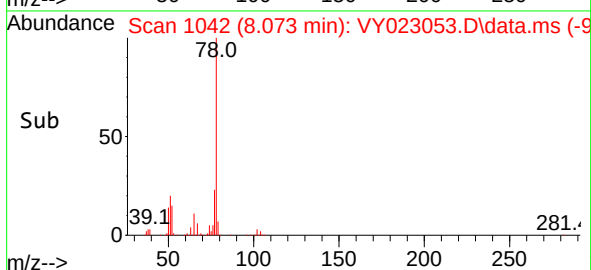
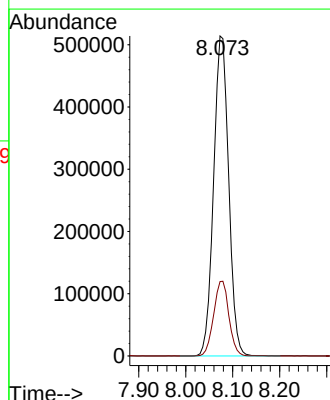
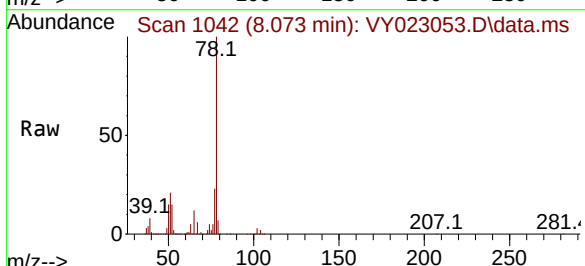
Acq: 12 Aug 2025 16:02

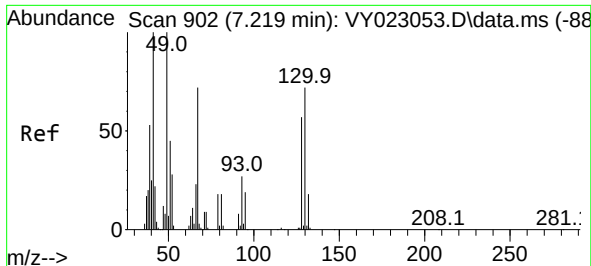
Tgt Ion: 78 Resp: 1142910

Ion Ratio Lower Upper

78 100

77 23.3 18.6 28.0

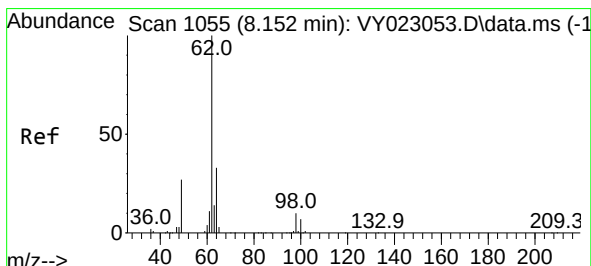
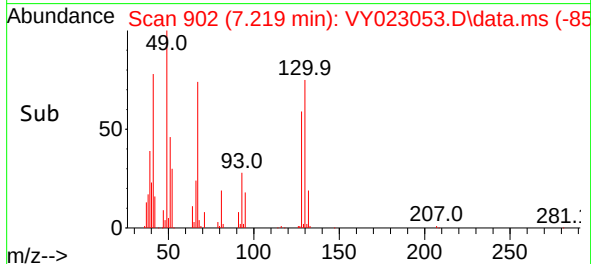
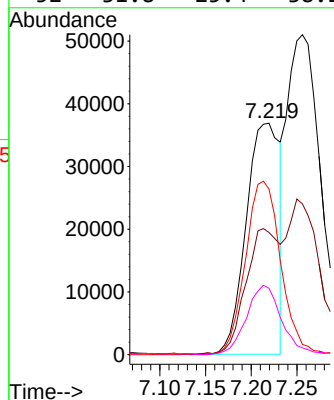
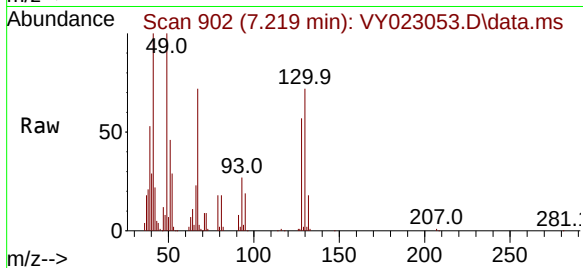




#41
Methacrylonitrile
Concen: 50.916 ug/l
RT: 7.219 min Scan# 902
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

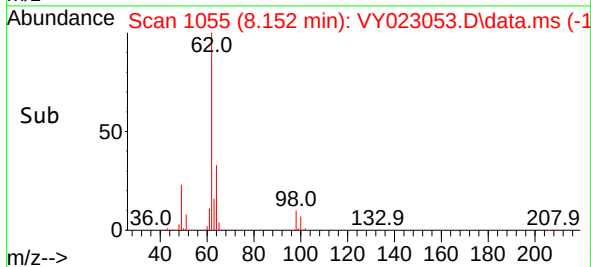
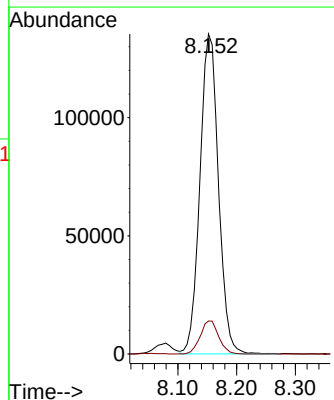
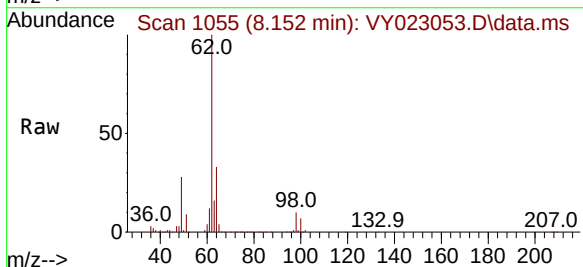
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

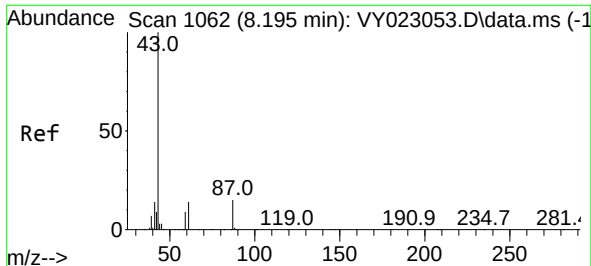
Tgt Ion:	41	Resp:	94123
Ion	Ratio	Lower	Upper
41	100		
39	54.3	43.4	65.2
67	79.5	63.6	95.4
52	31.8	25.4	38.2



#42
1,2-Dichloroethane
Concen: 48.627 ug/l
RT: 8.152 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion:	62	Resp:	296907
Ion	Ratio	Lower	Upper
62	100		
98	10.3	0.0	20.6

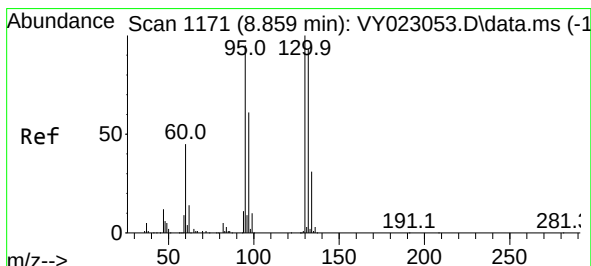
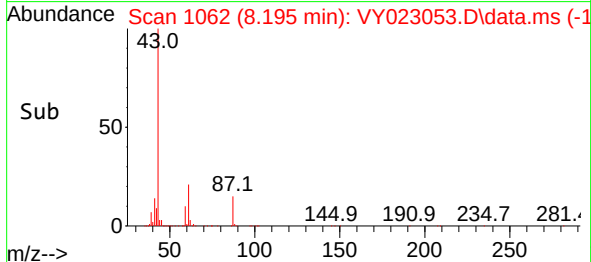
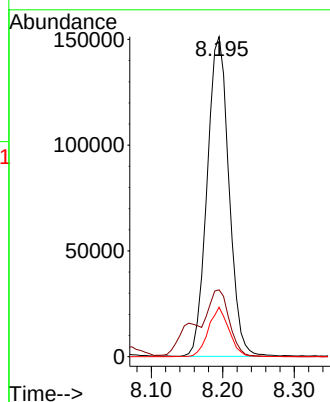
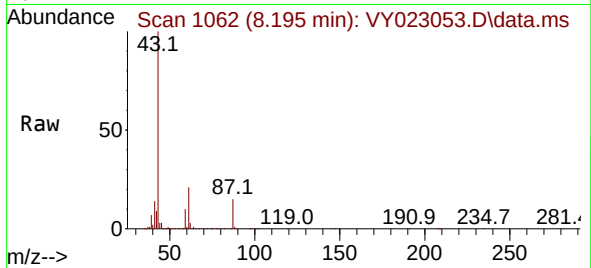




#43
Isopropyl Acetate
Concen: 49.419 ug/l
RT: 8.195 min Scan# 11062
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

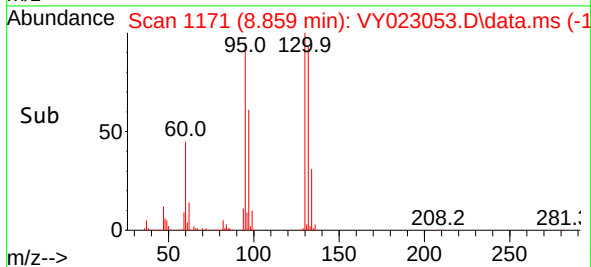
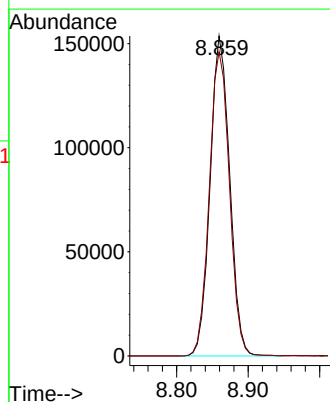
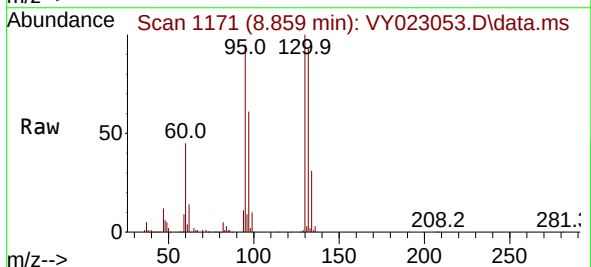
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

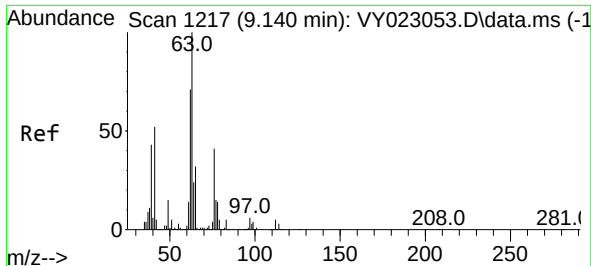
Tgt Ion: 43 Resp: 319600
Ion Ratio Lower Upper
43 100
61 20.5 16.4 24.6
87 14.7 11.8 17.6



#44
Trichloroethene
Concen: 48.199 ug/l
RT: 8.859 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion:130 Resp: 292421
Ion Ratio Lower Upper
130 100
95 95.1 0.0 190.2





#45

1,2-Dichloropropane

Concen: 48.938 ug/l

RT: 9.140 min Scan# 1217

Delta R.T. 0.000 min

Lab File: VY023053.D

Acq: 12 Aug 2025 16:02

Instrument :

MSVOA_Y

ClientSampleId :

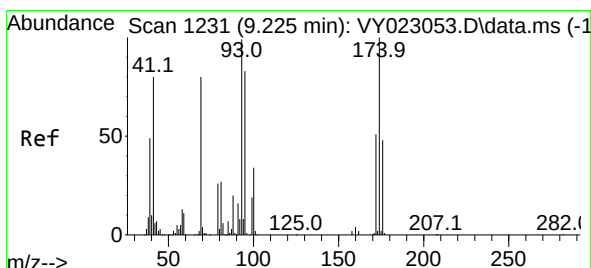
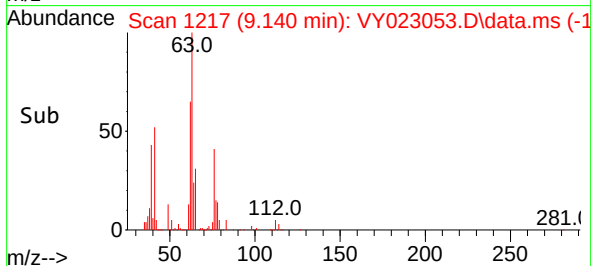
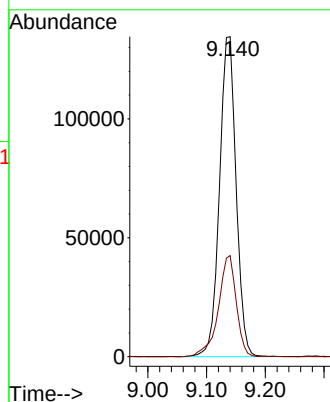
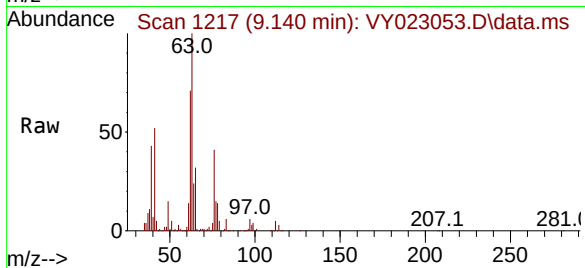
VSTDICCC050

Tgt Ion: 63 Resp: 264354

Ion Ratio Lower Upper

63 100

65 31.6 25.3 37.9



#46

Dibromomethane

Concen: 49.291 ug/l

RT: 9.225 min Scan# 1231

Delta R.T. 0.000 min

Lab File: VY023053.D

Acq: 12 Aug 2025 16:02

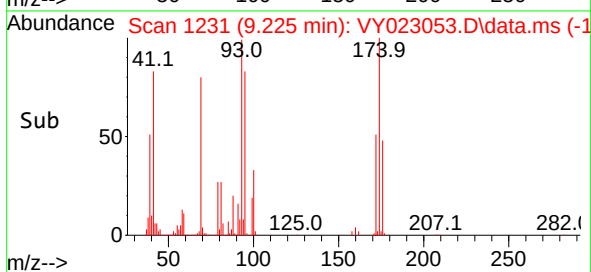
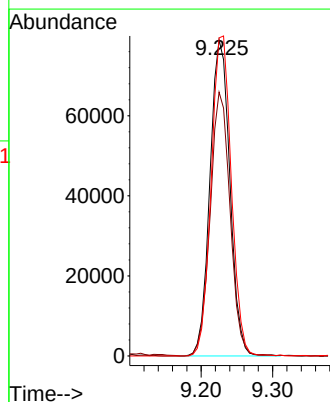
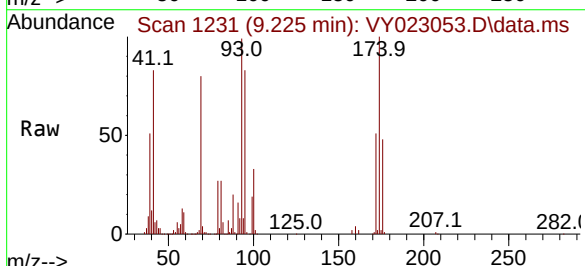
Tgt Ion: 93 Resp: 152822

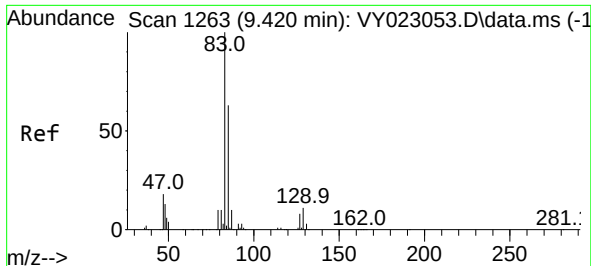
Ion Ratio Lower Upper

93 100

95 83.1 66.5 99.7

174 102.3 81.8 122.8

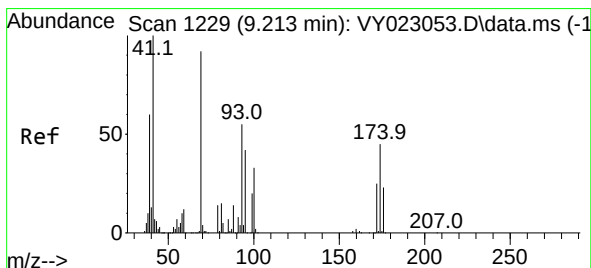
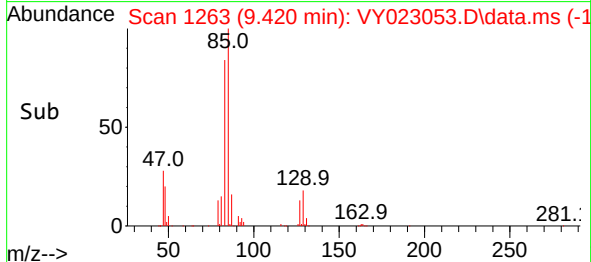
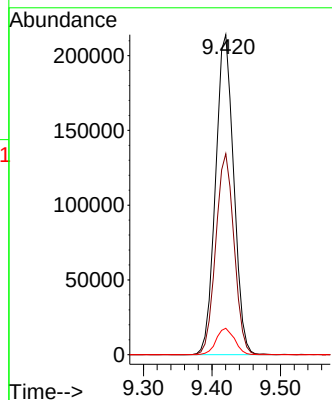
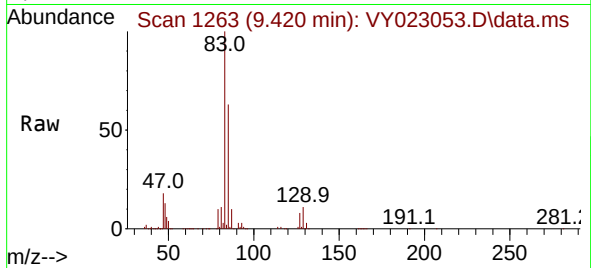




#47
Bromodichloromethane
Concen: 49.327 ug/l
RT: 9.420 min Scan# 1263
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

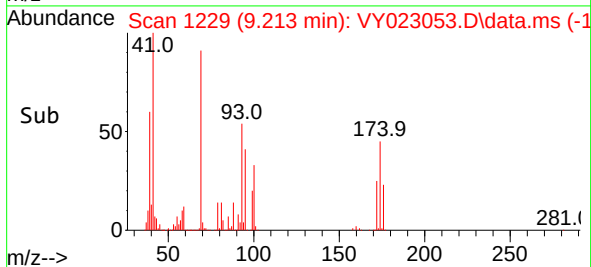
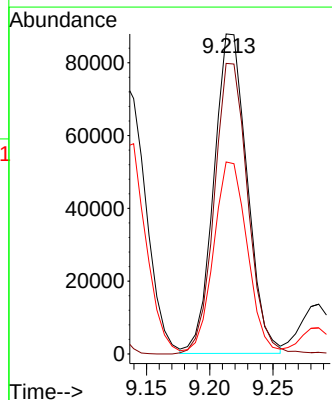
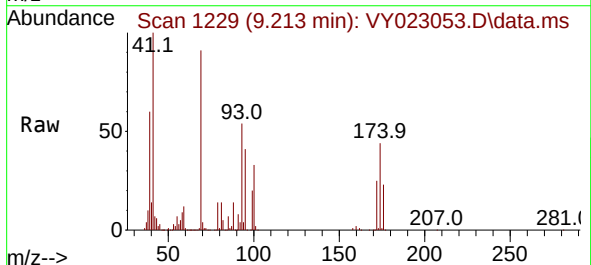
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

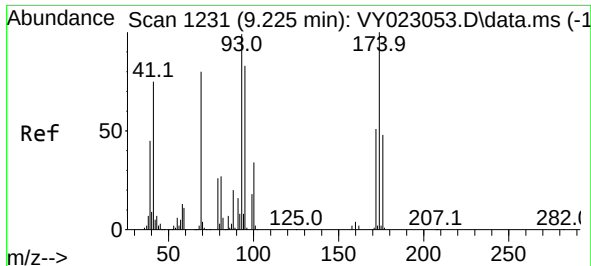
Tgt Ion: 83 Resp: 393523
Ion Ratio Lower Upper
83 100
85 62.8 50.2 75.4
127 8.3 6.6 10.0



#48
Methyl methacrylate
Concen: 51.958 ug/l
RT: 9.213 min Scan# 1229
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion: 41 Resp: 160792
Ion Ratio Lower Upper
41 100
69 91.5 73.2 109.8
39 58.7 47.0 70.4





#49

1,4-Dioxane

Concen: 997.124 ug/l

RT: 9.225 min Scan# 1231

Delta R.T. 0.000 min

Lab File: VY023053.D

Acq: 12 Aug 2025 16:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

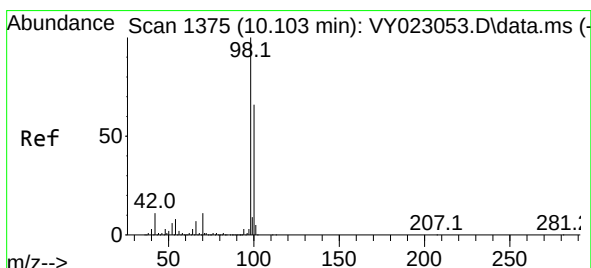
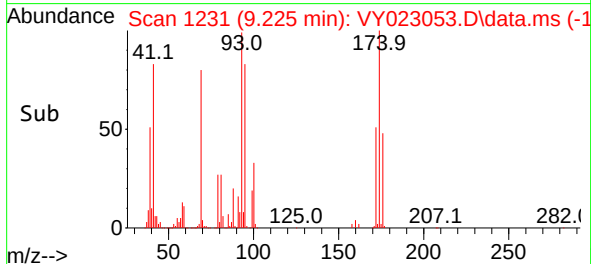
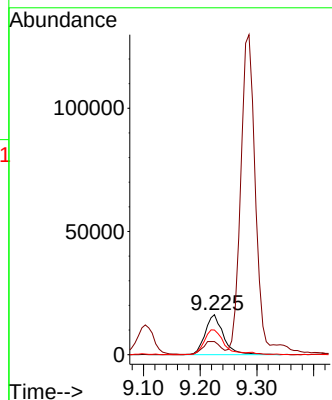
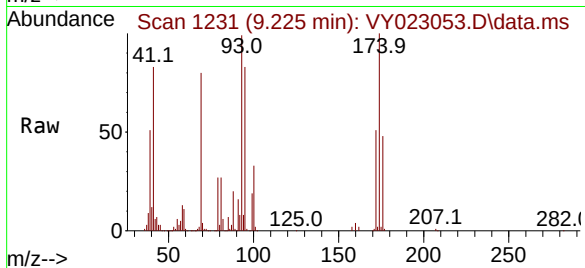
Tgt Ion: 88 Resp: 36249

Ion Ratio Lower Upper

88 100

43 30.4 24.3 36.5

58 69.2 55.4 83.0



#50

Toluene-d8

Concen: 48.899 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. 0.000 min

Lab File: VY023053.D

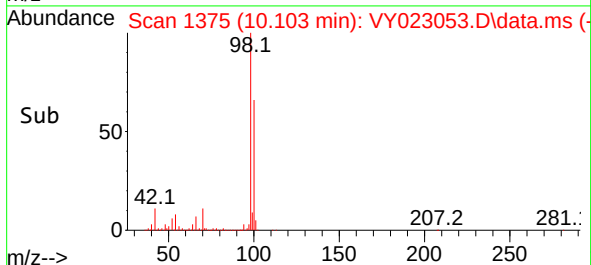
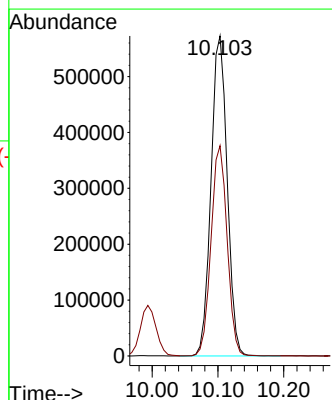
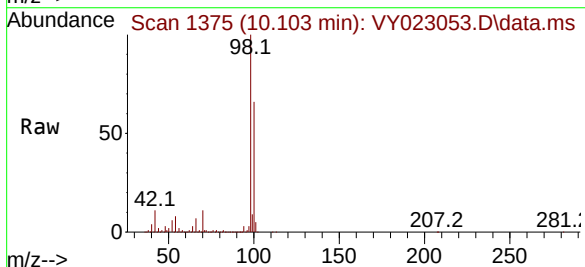
Acq: 12 Aug 2025 16:02

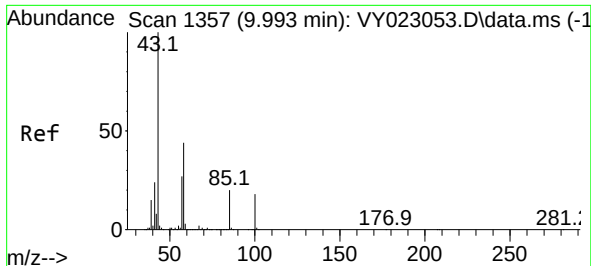
Tgt Ion: 98 Resp: 979082

Ion Ratio Lower Upper

98 100

100 65.4 52.3 78.5





#51

4-Methyl-2-Pentanone

Concen: 255.710 ug/l

RT: 9.993 min Scan# 1357

Delta R.T. 0.000 min

Lab File: VY023053.D

Acq: 12 Aug 2025 16:02

Instrument :

MSVOA_Y

ClientSampleId :

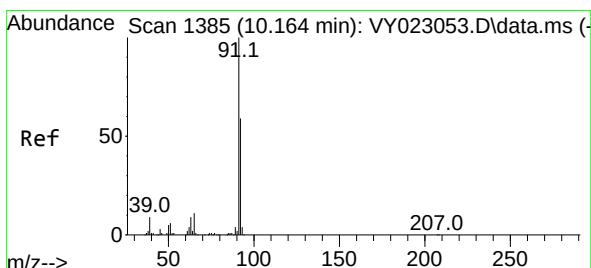
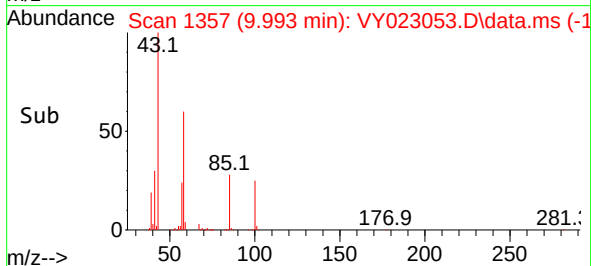
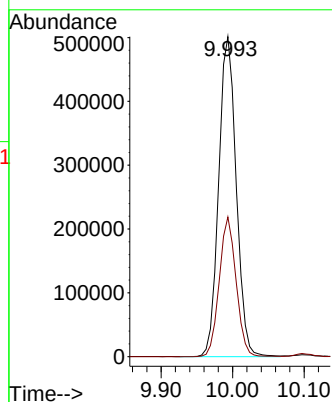
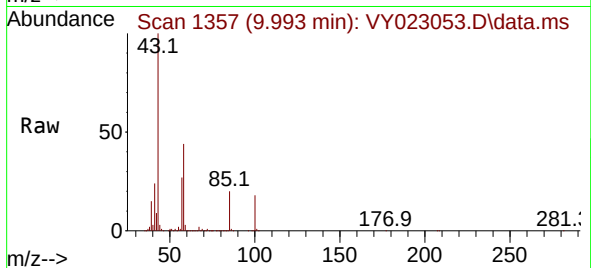
VSTDICCC050

Tgt Ion: 43 Resp: 853025

Ion Ratio Lower Upper

43 100

58 41.9 33.5 50.3



#52

Toluene

Concen: 49.315 ug/l

RT: 10.164 min Scan# 1385

Delta R.T. 0.000 min

Lab File: VY023053.D

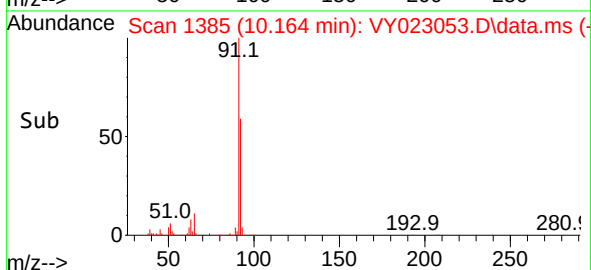
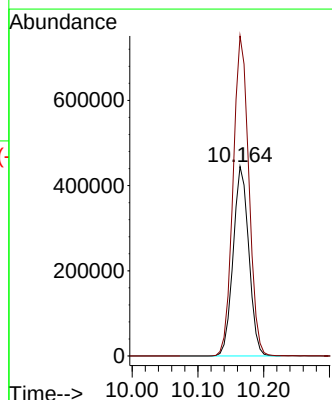
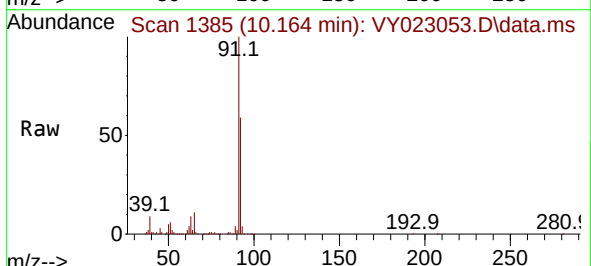
Acq: 12 Aug 2025 16:02

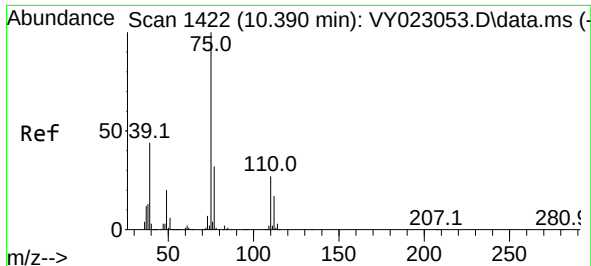
Tgt Ion: 92 Resp: 735326

Ion Ratio Lower Upper

92 100

91 170.5 136.4 204.6

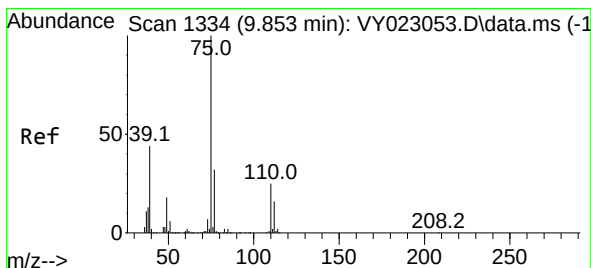
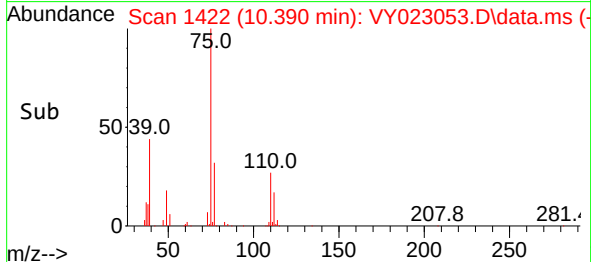
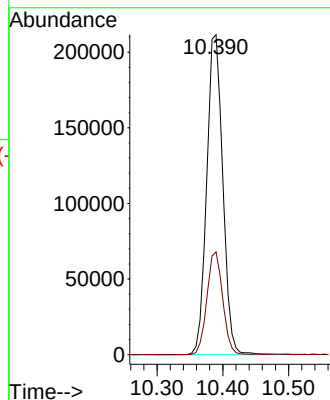
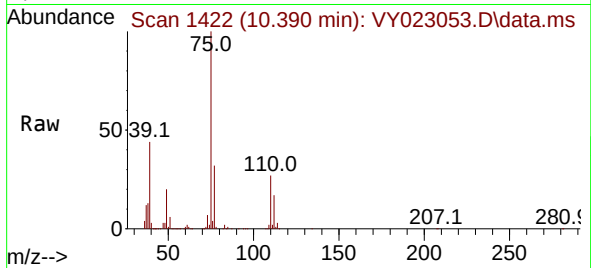




#53
t-1,3-Dichloropropene
Concen: 49.790 ug/l
RT: 10.390 min Scan# 1422
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

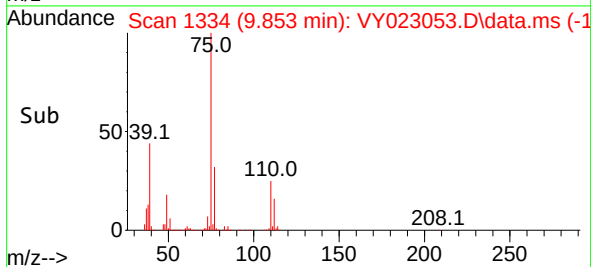
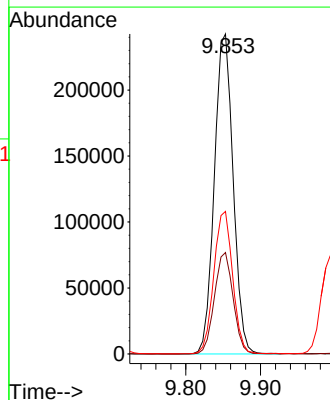
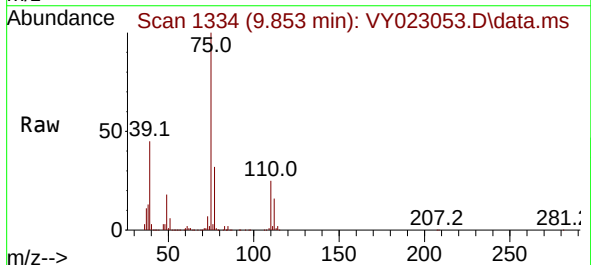
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

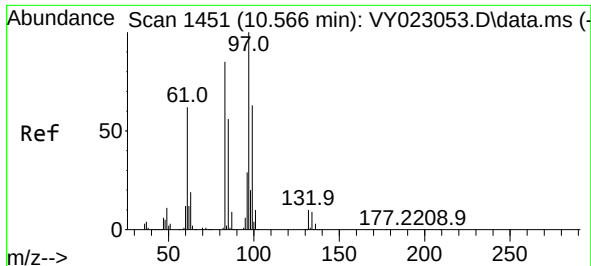
Tgt Ion: 75 Resp: 359698
Ion Ratio Lower Upper
75 100
77 32.1 25.7 38.5



#54
cis-1,3-Dichloropropene
Concen: 49.731 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion: 75 Resp: 424834
Ion Ratio Lower Upper
75 100
77 31.7 25.4 38.0
39 44.5 35.6 53.4



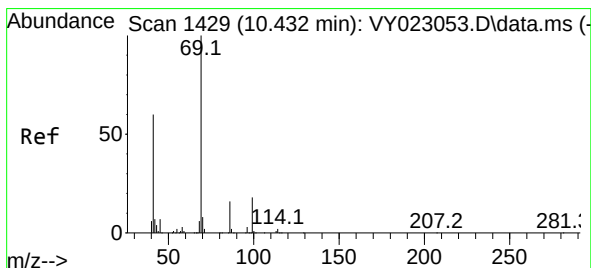
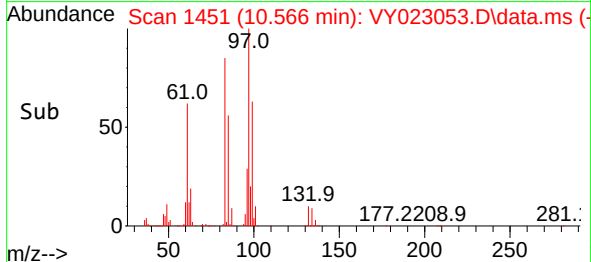
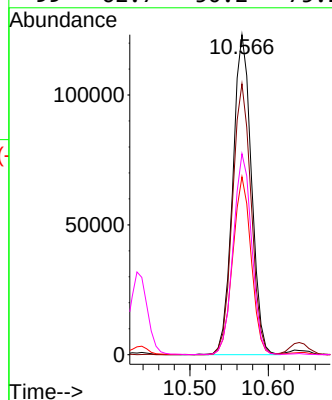
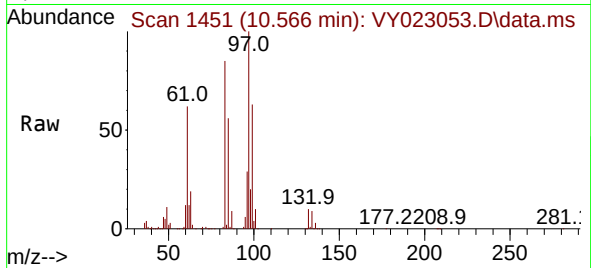


#55
1,1,2-Trichloroethane
Concen: 49.261 ug/l
RT: 10.566 min Scan# 1451
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 97 Resp: 204368

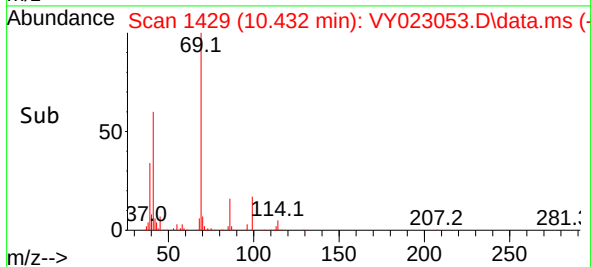
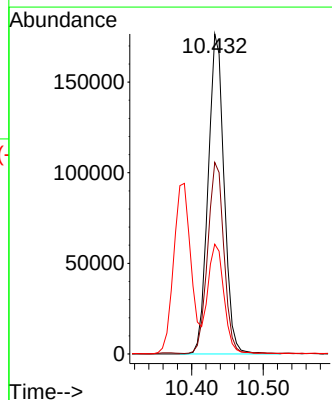
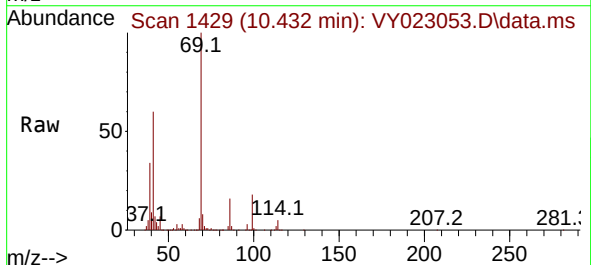
Ion	Ratio	Lower	Upper
97	100		
83	84.6	67.7	101.5
85	55.6	44.5	66.7
99	62.7	50.2	75.2

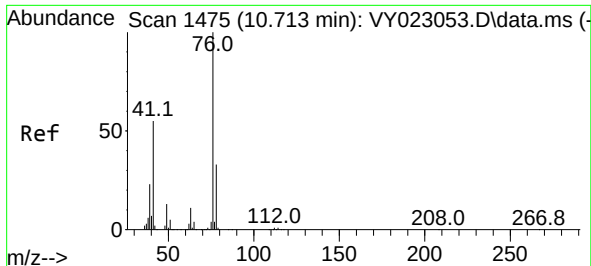


#56
Ethyl methacrylate
Concen: 51.576 ug/l
RT: 10.432 min Scan# 1429
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion: 69 Resp: 273801

Ion	Ratio	Lower	Upper
69	100		
41	60.7	48.6	72.8
39	33.7	27.0	40.4





#57

1,3-Dichloropropane

Concen: 49.249 ug/l

RT: 10.713 min Scan# 1475

Delta R.T. 0.000 min

Lab File: VY023053.D

Acq: 12 Aug 2025 16:02

Instrument :

MSVOA_Y

ClientSampleId :

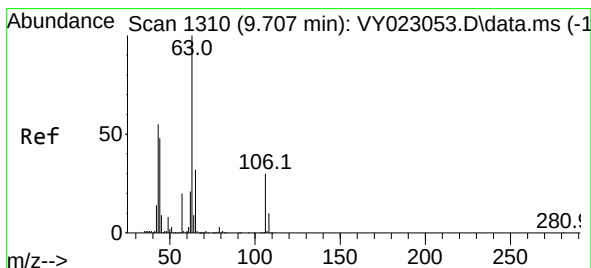
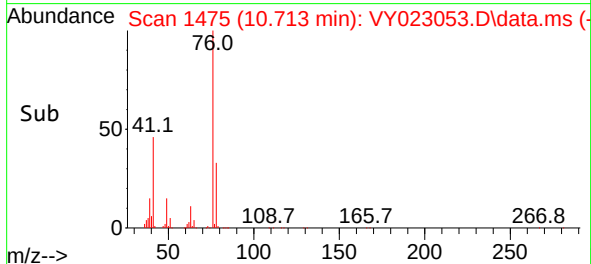
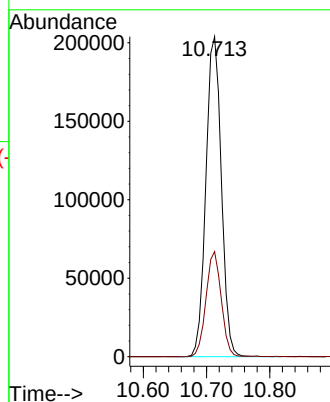
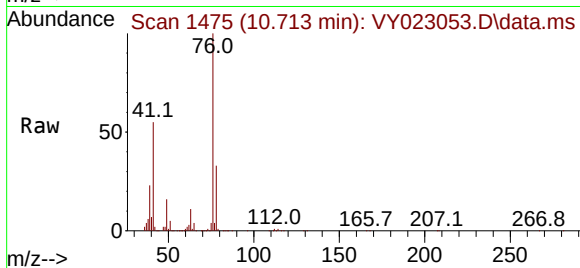
VSTDICCC050

Tgt Ion: 76 Resp: 346510

Ion Ratio Lower Upper

76 100

78 32.5 26.0 39.0



#58

2-Chloroethyl Vinyl ether

Concen: 264.906 ug/l

RT: 9.707 min Scan# 1310

Delta R.T. 0.000 min

Lab File: VY023053.D

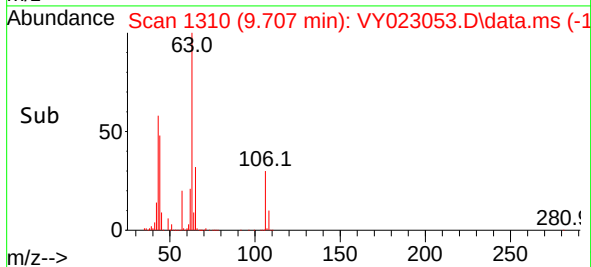
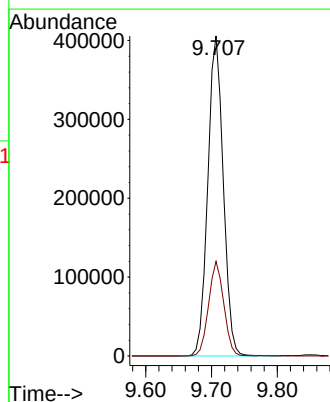
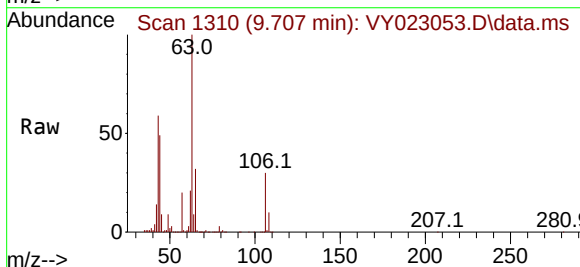
Acq: 12 Aug 2025 16:02

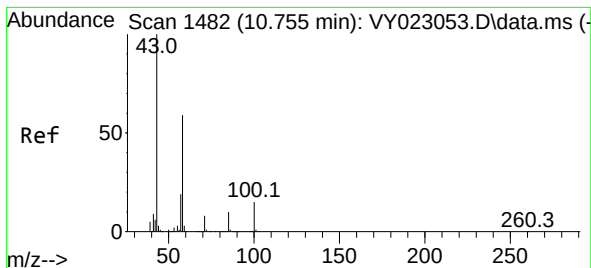
Tgt Ion: 63 Resp: 663351

Ion Ratio Lower Upper

63 100

106 29.0 23.2 34.8

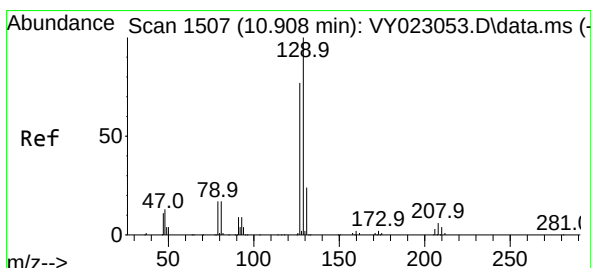
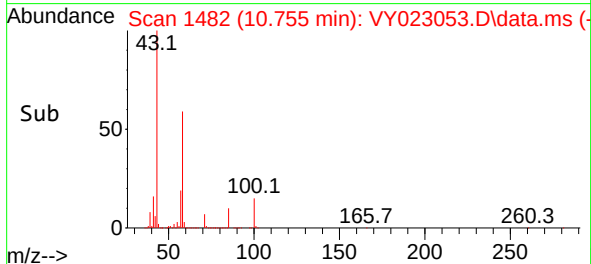
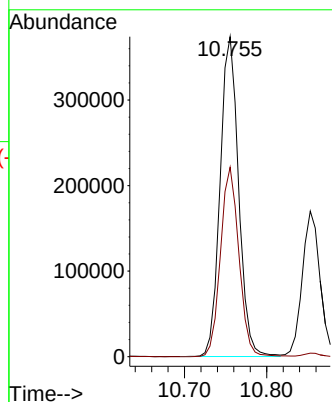
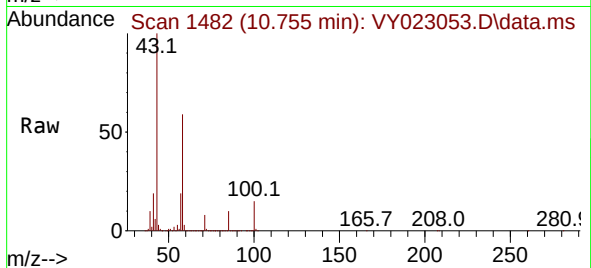




#59
2-Hexanone
Concen: 257.194 ug/l
RT: 10.755 min Scan# 1482
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

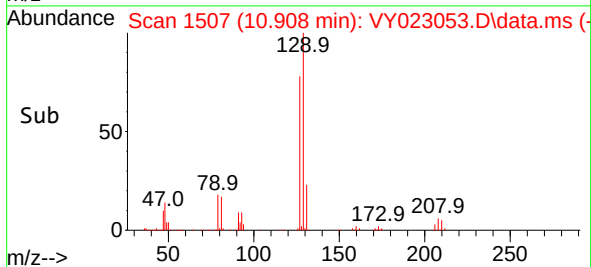
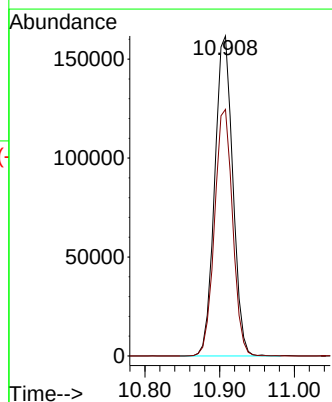
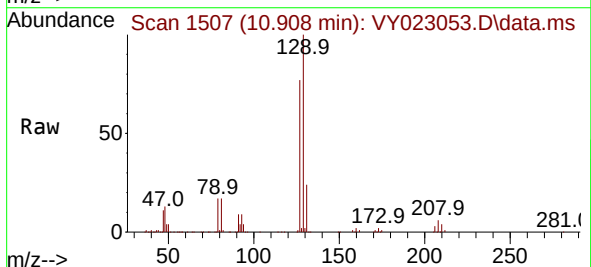
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

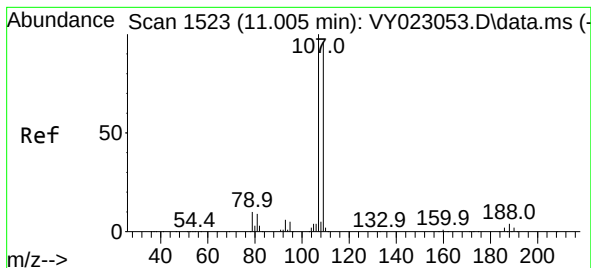
Tgt Ion: 43 Resp: 584223
Ion Ratio Lower Upper
43 100
58 59.0 29.5 88.5



#60
Dibromochloromethane
Concen: 49.719 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion: 129 Resp: 272171
Ion Ratio Lower Upper
129 100
127 77.0 38.5 115.5

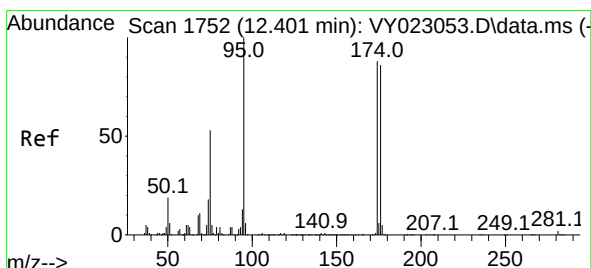
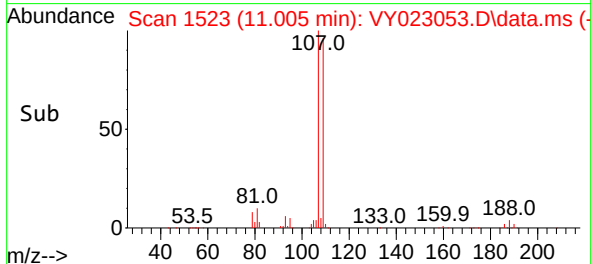
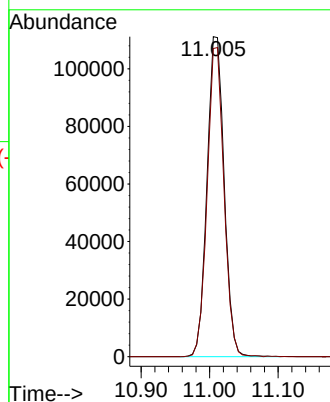
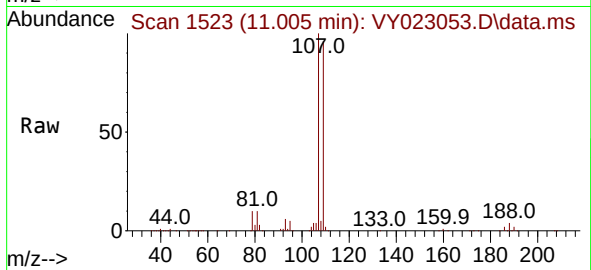




#61
1,2-Dibromoethane
Concen: 49.598 ug/l
RT: 11.005 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

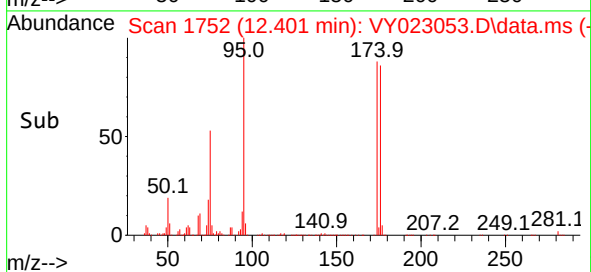
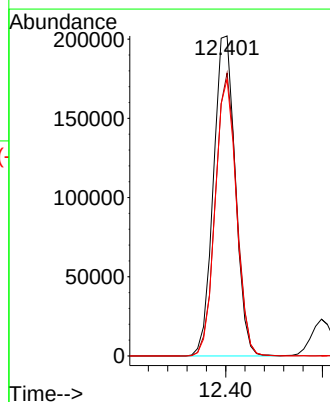
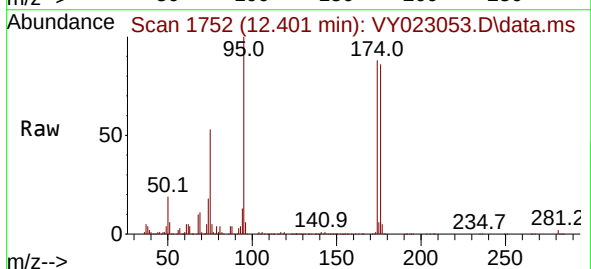
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

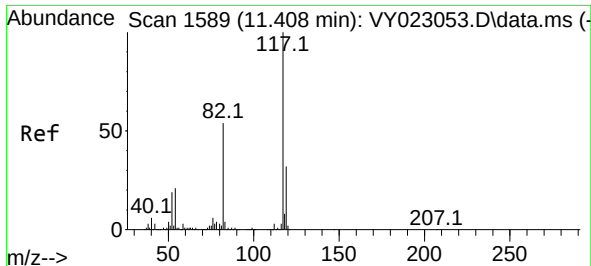
Tgt Ion:107 Resp: 193398
Ion Ratio Lower Upper
107 100
109 94.5 75.6 113.4



#62
4-Bromofluorobenzene
Concen: 49.194 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion: 95 Resp: 316770
Ion Ratio Lower Upper
95 100
174 85.8 0.0 171.6
176 83.8 0.0 167.6

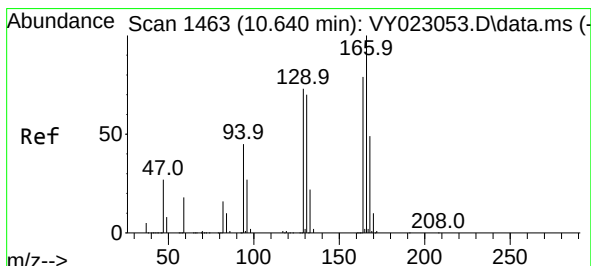
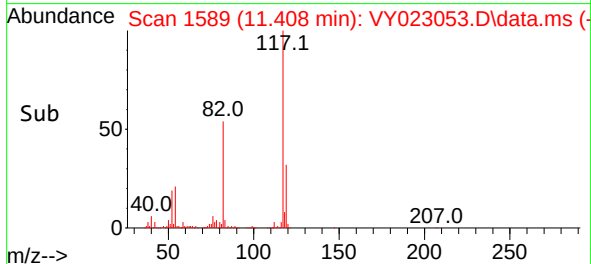
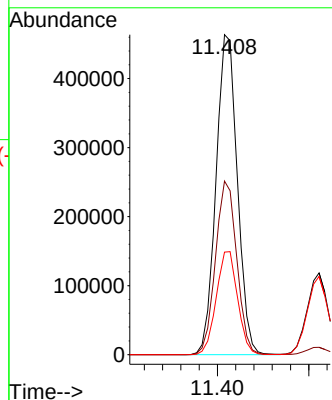
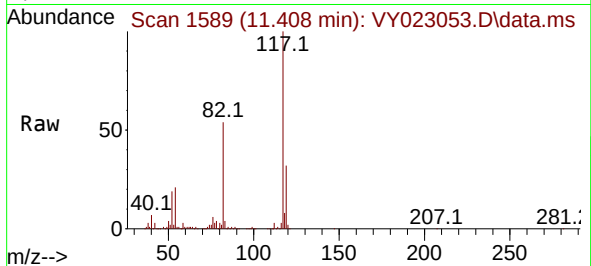




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.408 min Scan# 117
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

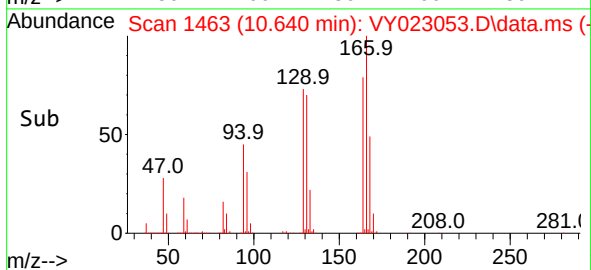
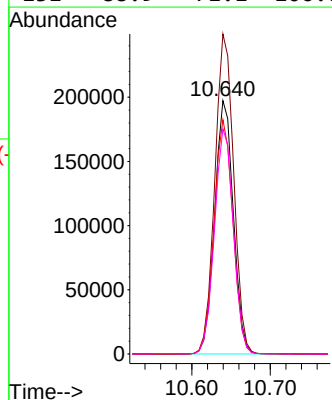
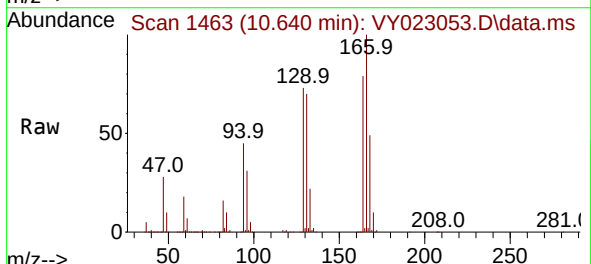
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

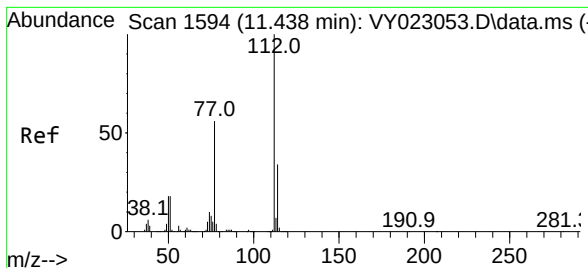
Tgt Ion:	117	Resp:	751969
Ion	Ratio	Lower	Upper
117	100		
82	54.2	43.4	65.0
119	32.0	25.6	38.4



#64
Tetrachloroethene
Concen: 48.740 ug/l
RT: 10.640 min Scan# 1463
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion:	164	Resp:	327271
Ion	Ratio	Lower	Upper
164	100		
166	126.4	101.1	151.7
129	92.5	74.0	111.0
131	88.9	71.1	106.7

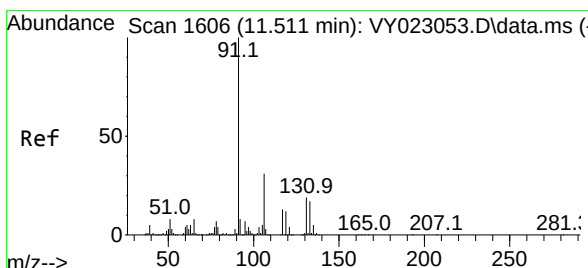
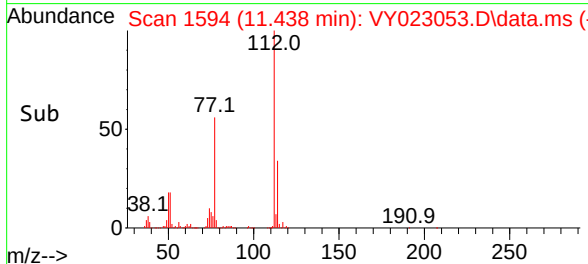
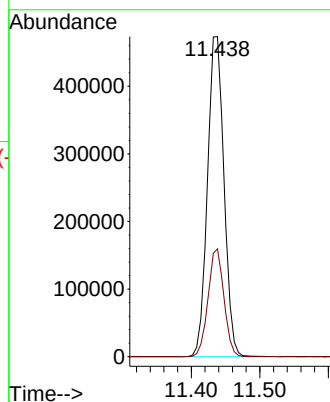
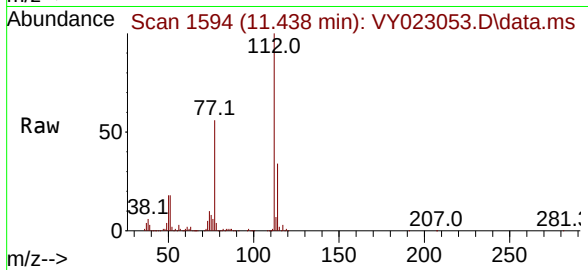




#65
Chlorobenzene
Concen: 48.920 ug/l
RT: 11.438 min Scan# 1594
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

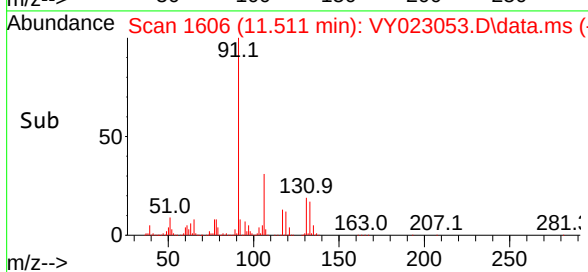
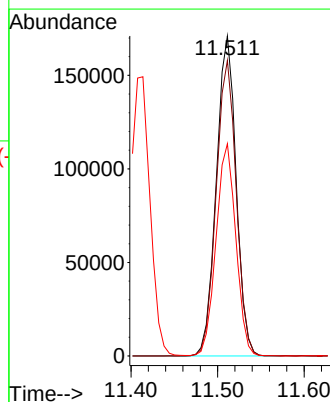
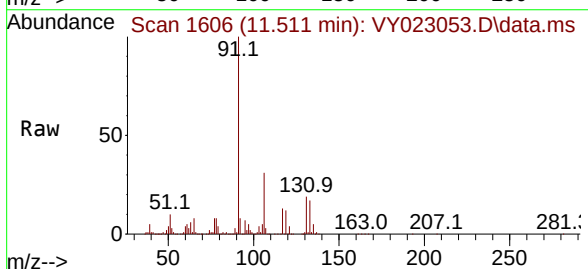
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

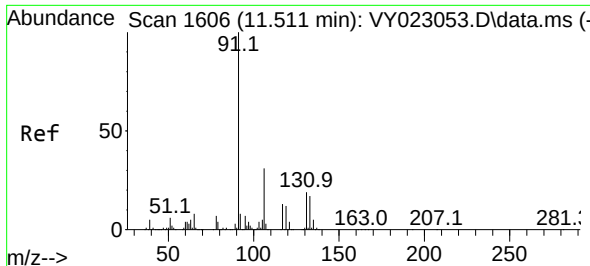
Tgt Ion:112 Resp: 793490
Ion Ratio Lower Upper
112 100
114 33.7 27.0 40.4



#66
1,1,1,2-Tetrachloroethane
Concen: 49.381 ug/l
RT: 11.511 min Scan# 1606
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion:131 Resp: 271839
Ion Ratio Lower Upper
131 100
133 93.7 46.9 140.6
119 66.4 33.2 99.6





#67

Ethyl Benzene

Concen: 50.073 ug/l

RT: 11.511 min Scan# 1606

Delta R.T. 0.000 min

Lab File: VY023053.D

Acq: 12 Aug 2025 16:02

Instrument :

MSVOA_Y

ClientSampleId :

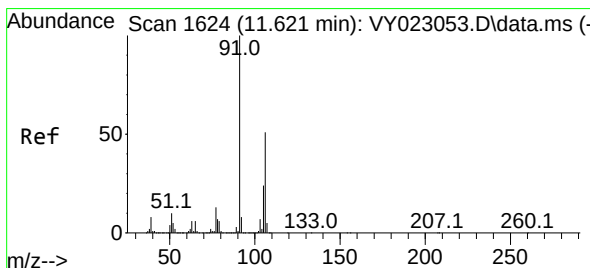
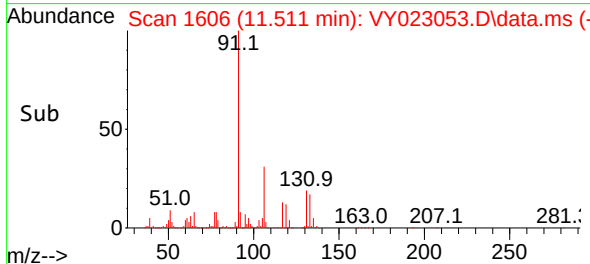
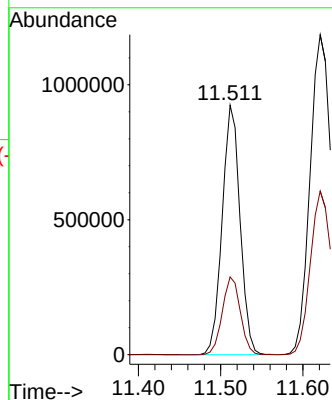
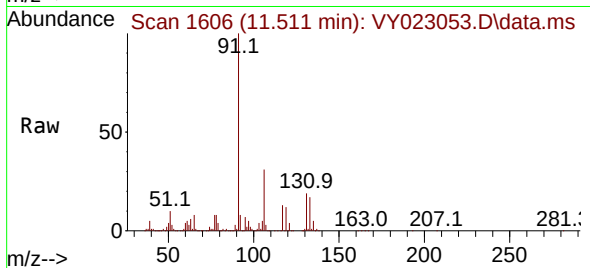
VSTDICCC050

Tgt Ion: 91 Resp: 1397704

Ion Ratio Lower Upper

91 100

106 31.2 25.0 37.4



#68

m/p-Xylenes

Concen: 99.103 ug/l

RT: 11.621 min Scan# 1624

Delta R.T. 0.000 min

Lab File: VY023053.D

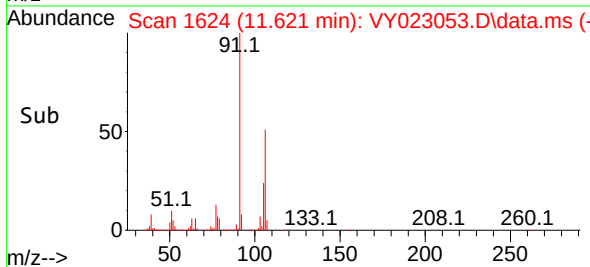
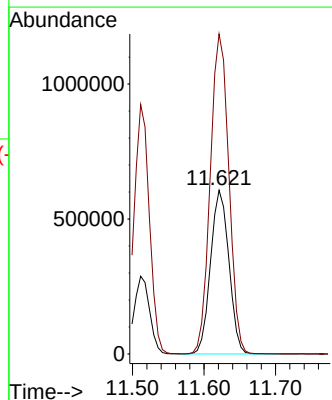
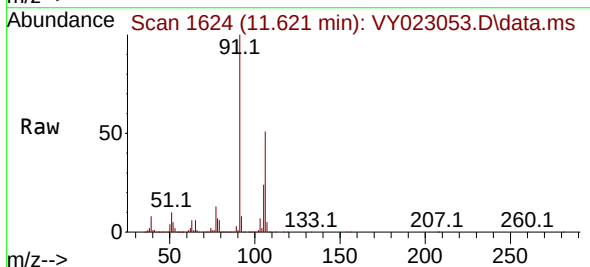
Acq: 12 Aug 2025 16:02

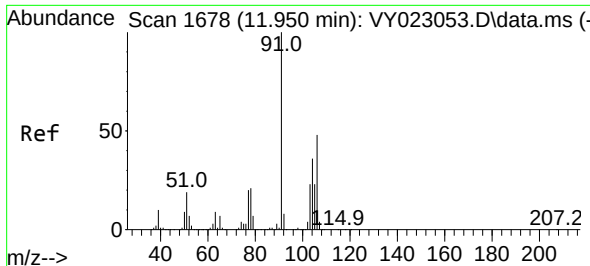
Tgt Ion:106 Resp: 1080401

Ion Ratio Lower Upper

106 100

91 198.3 158.6 238.0

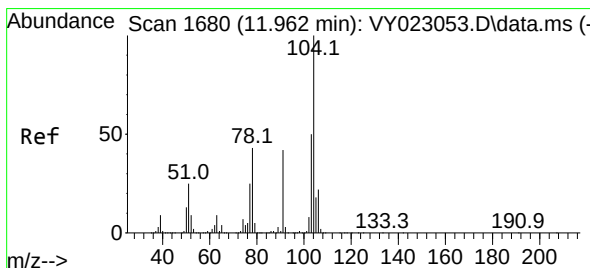
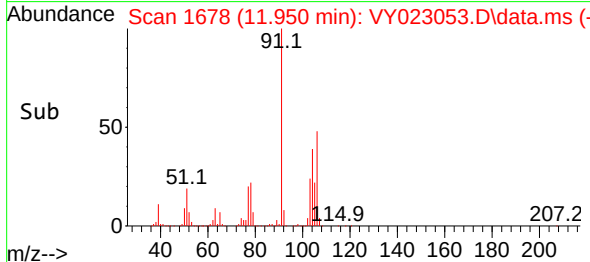
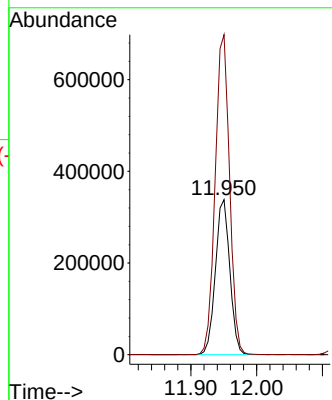
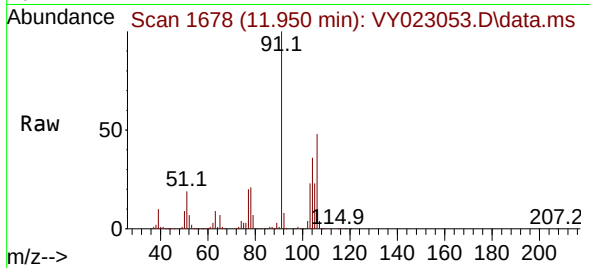




#69
o-Xylene
Concen: 50.536 ug/l
RT: 11.950 min Scan# 1678
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

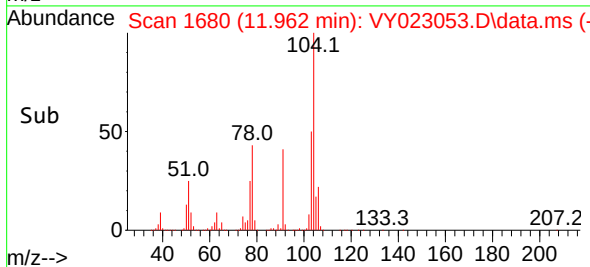
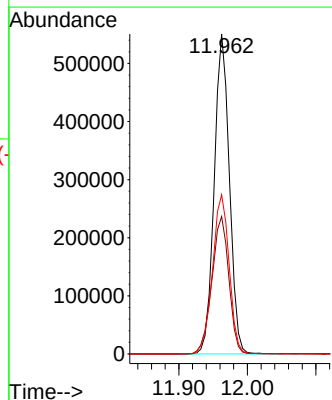
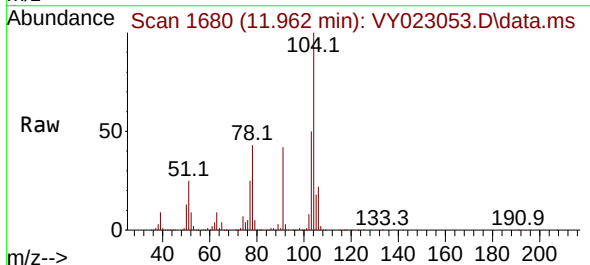
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

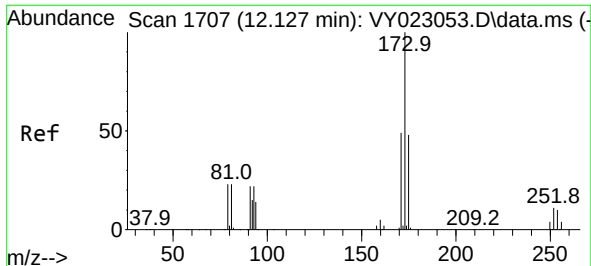
Tgt Ion:106 Resp: 516002
Ion Ratio Lower Upper
106 100
91 206.3 103.2 309.4



#70
Styrene
Concen: 50.569 ug/l
RT: 11.962 min Scan# 1680
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion:104 Resp: 844409
Ion Ratio Lower Upper
104 100
78 48.1 38.5 57.7
103 54.6 43.7 65.5

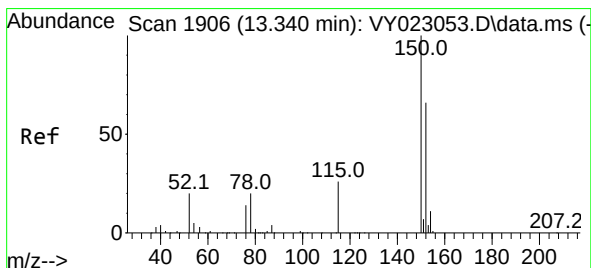
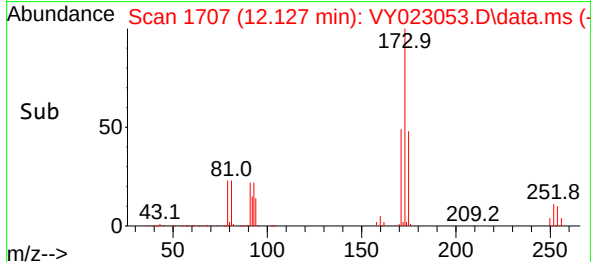
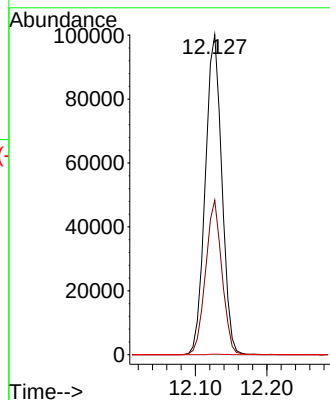
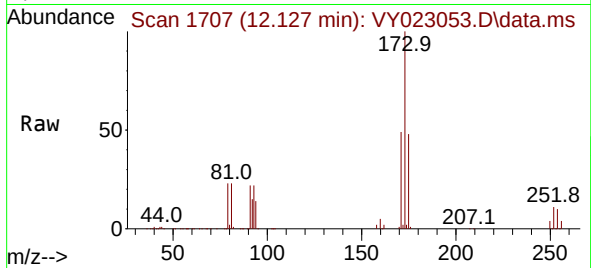




#71
Bromoform
Concen: 49.969 ug/l
RT: 12.127 min Scan# 1707
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

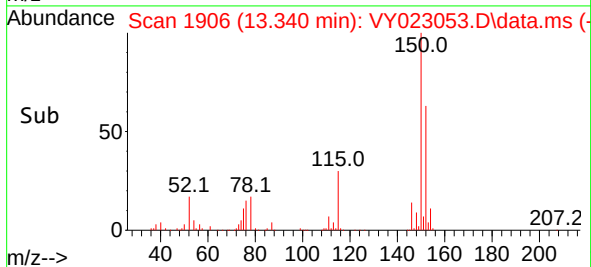
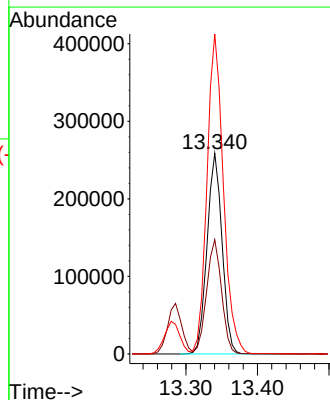
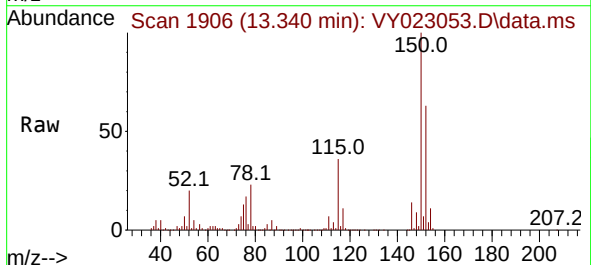
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

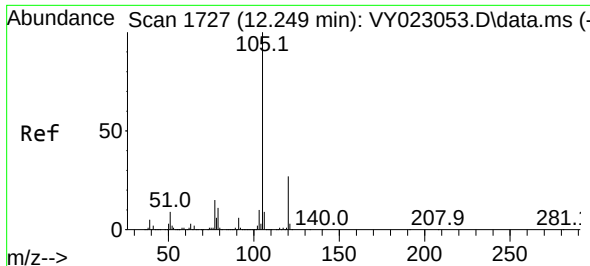
Tgt Ion:173 Resp: 160769
Ion Ratio Lower Upper
173 100
175 47.8 23.9 71.7
254 0.1 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.340 min Scan# 1906
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion:152 Resp: 377839
Ion Ratio Lower Upper
152 100
115 56.4 28.2 84.6
150 174.0 0.0 348.0

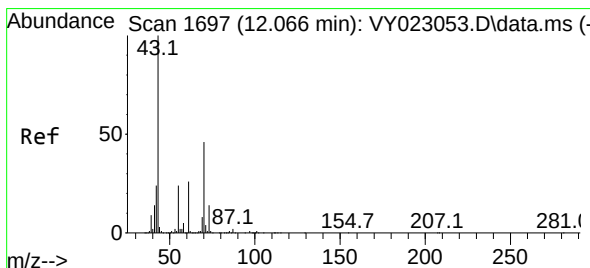
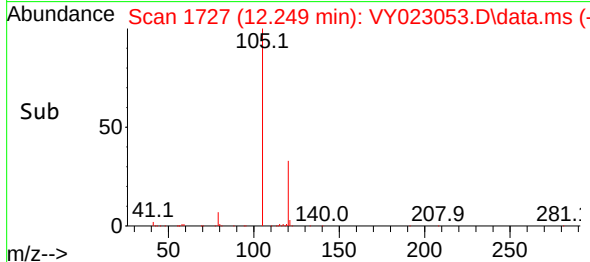
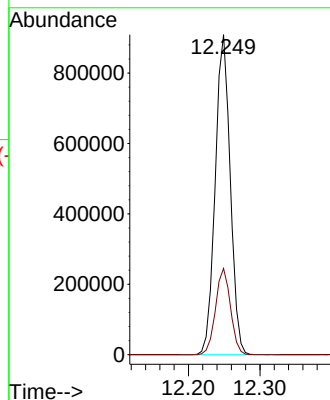
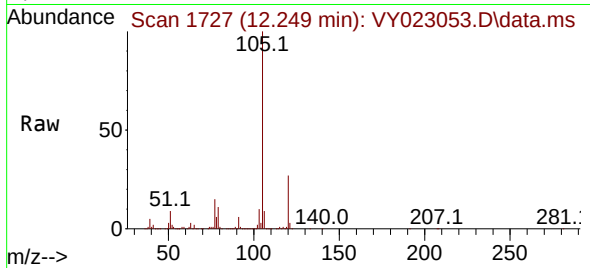




#73
Isopropylbenzene
Concen: 49.660 ug/l
RT: 12.249 min Scan# 1727
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

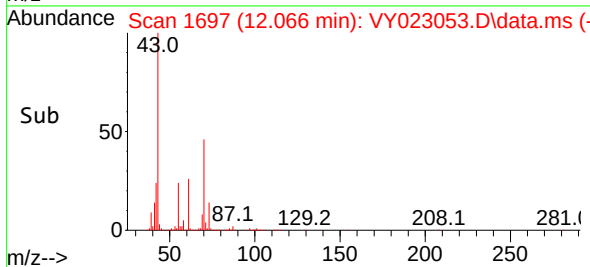
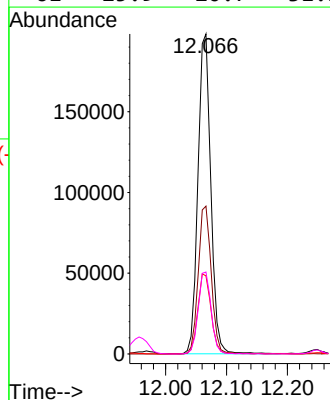
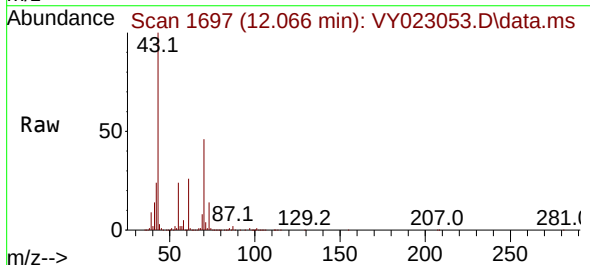
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

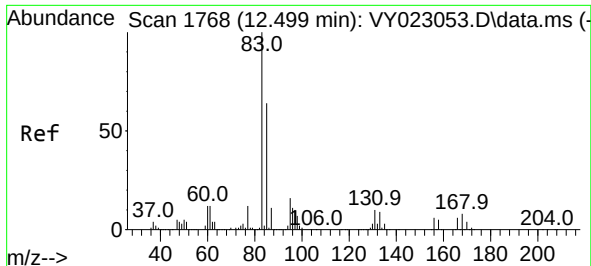
Tgt Ion:105 Resp: 1324313
Ion Ratio Lower Upper
105 100
120 26.8 13.4 40.2



#74
N-ethyl acetate
Concen: 51.264 ug/l
RT: 12.066 min Scan# 1697
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion: 43 Resp: 289914
Ion Ratio Lower Upper
43 100
70 46.9 37.5 56.3
55 25.9 20.7 31.1
61 25.9 20.7 31.1

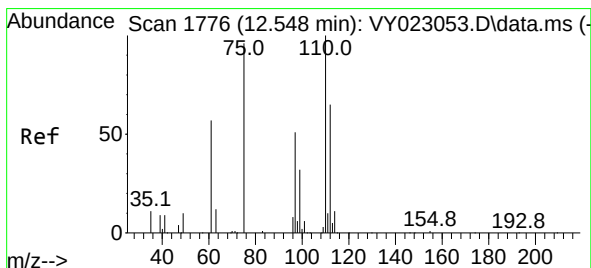
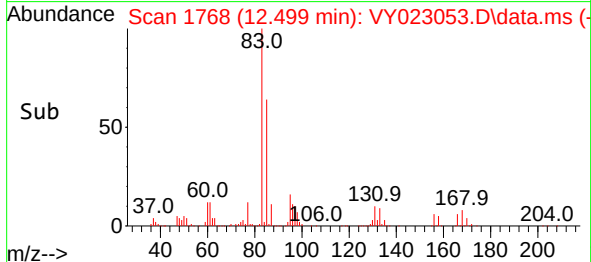
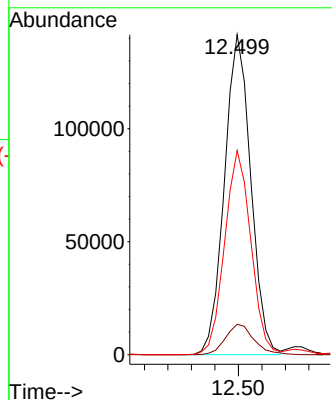
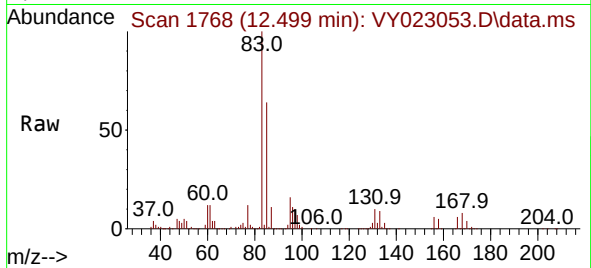




#75
 1,1,2,2-Tetrachloroethane
 Concen: 48.503 ug/l
 RT: 12.499 min Scan# 1768
 Delta R.T. 0.000 min
 Lab File: VY023053.D
 Acq: 12 Aug 2025 16:02

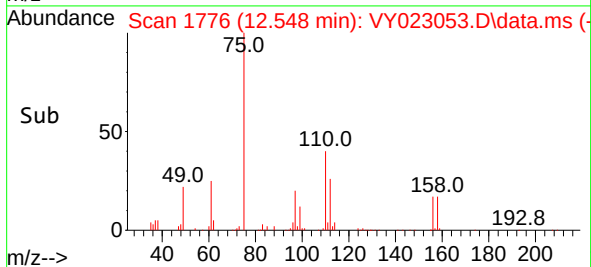
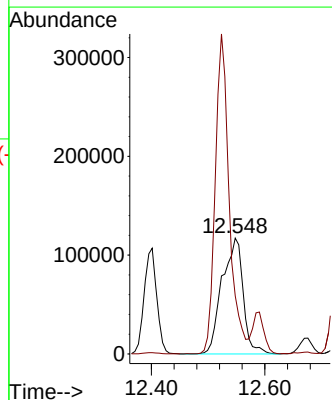
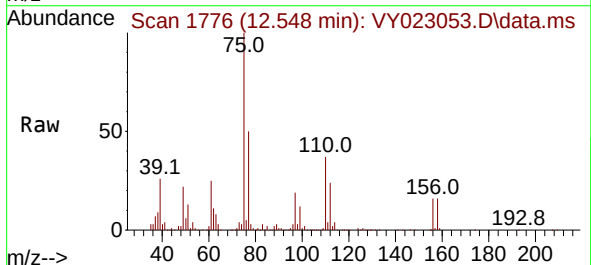
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

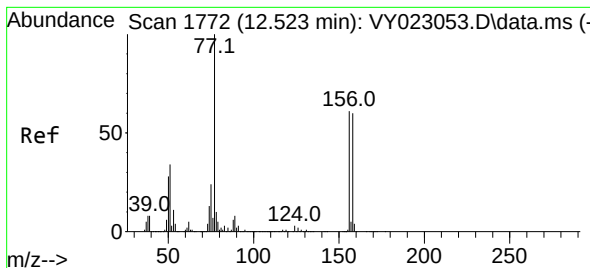
Tgt Ion: 83 Resp: 220853
 Ion Ratio Lower Upper
 83 100
 131 10.2 5.1 15.3
 85 63.5 31.8 95.3



#76
 1,2,3-Trichloropropane
 Concen: 83.064 ug/l
 RT: 12.548 min Scan# 1776
 Delta R.T. 0.000 min
 Lab File: VY023053.D
 Acq: 12 Aug 2025 16:02

Tgt Ion: 75 Resp: 303093
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 49.152 ug/l

RT: 12.523 min Scan# 1772

Delta R.T. 0.000 min

Lab File: VY023053.D

Acq: 12 Aug 2025 16:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

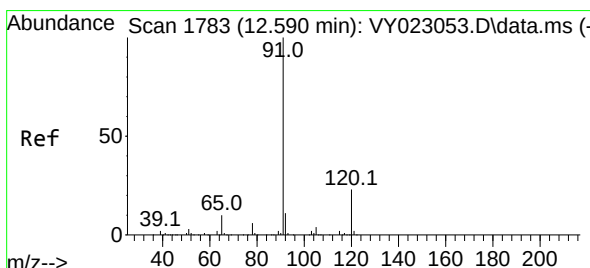
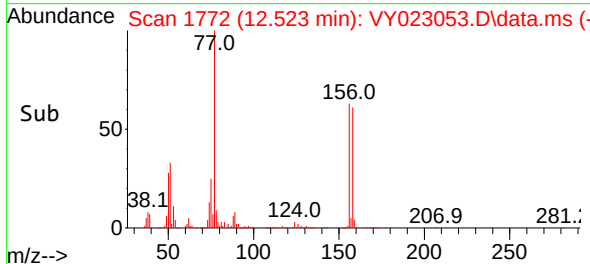
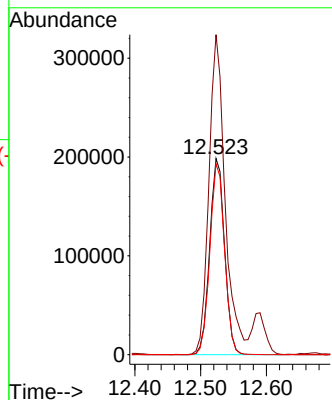
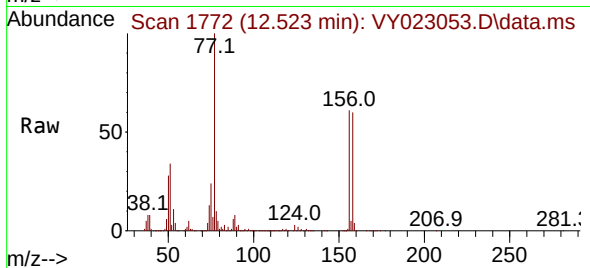
Tgt Ion:156 Resp: 312706

Ion Ratio Lower Upper

156 100

77 176.3 88.1 264.4

158 96.0 48.0 144.0



#78

n-propylbenzene

Concen: 50.186 ug/l

RT: 12.590 min Scan# 1783

Delta R.T. 0.000 min

Lab File: VY023053.D

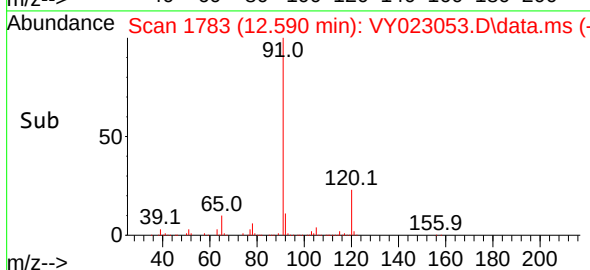
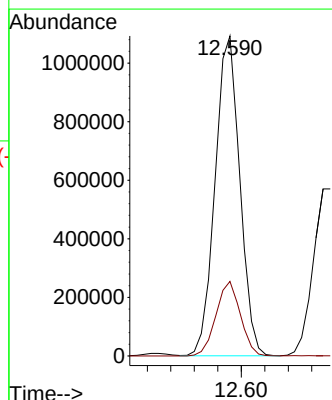
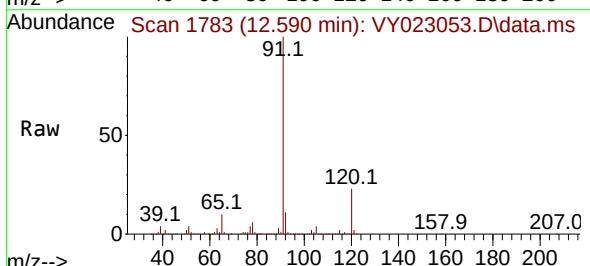
Acq: 12 Aug 2025 16:02

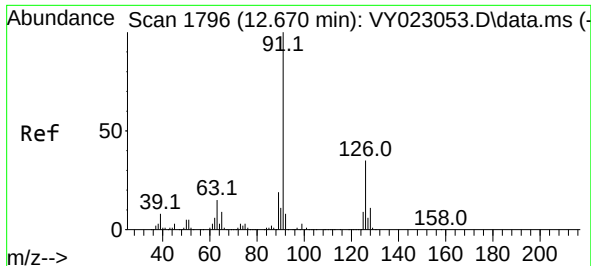
Tgt Ion: 91 Resp: 1593368

Ion Ratio Lower Upper

91 100

120 23.0 11.5 34.5

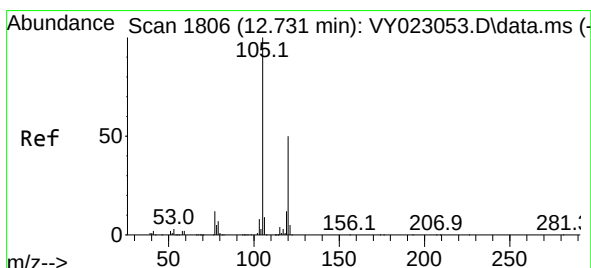
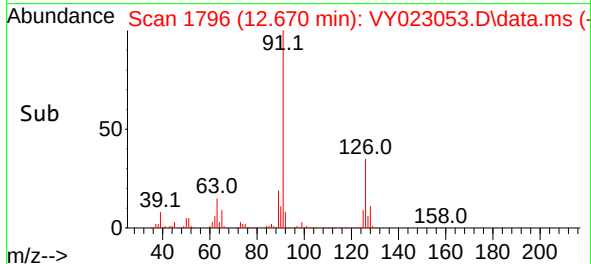
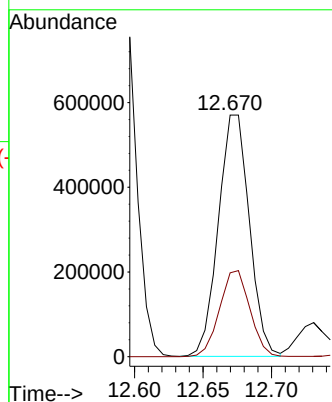
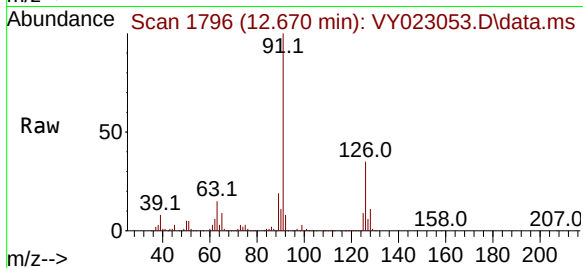




#79
2-Chlorotoluene
Concen: 49.473 ug/l
RT: 12.670 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

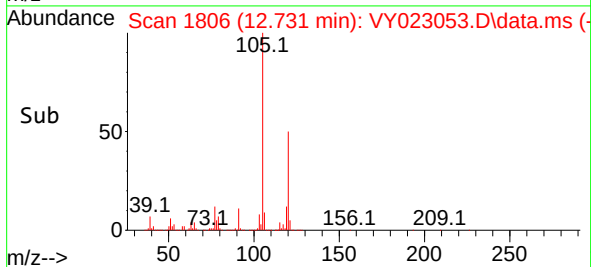
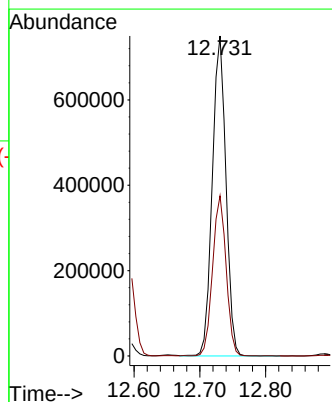
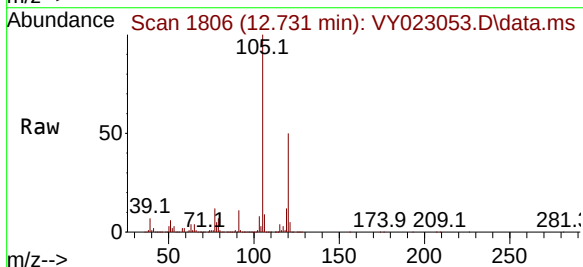
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

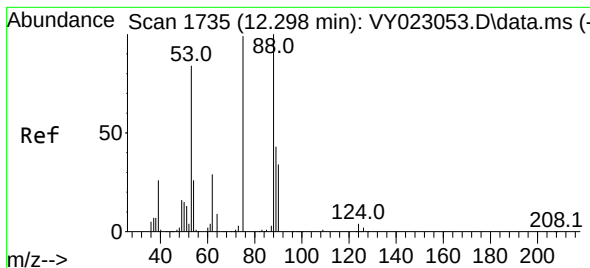
Tgt Ion: 91 Resp: 899967
Ion Ratio Lower Upper
91 100
126 34.9 17.4 52.3



#80
1,3,5-Trimethylbenzene
Concen: 50.126 ug/l
RT: 12.731 min Scan# 1806
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion: 105 Resp: 1080333
Ion Ratio Lower Upper
105 100
120 49.6 24.8 74.4

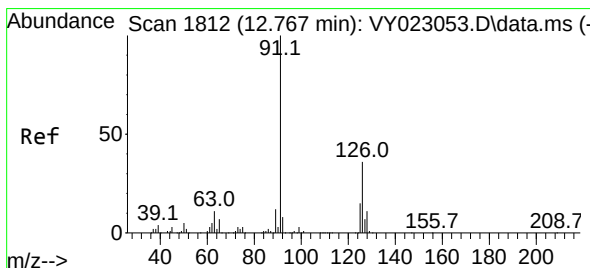
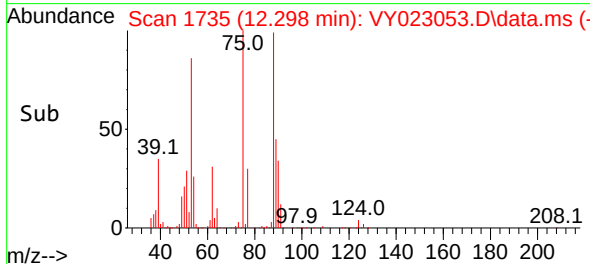
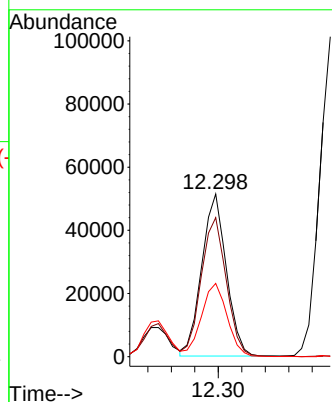
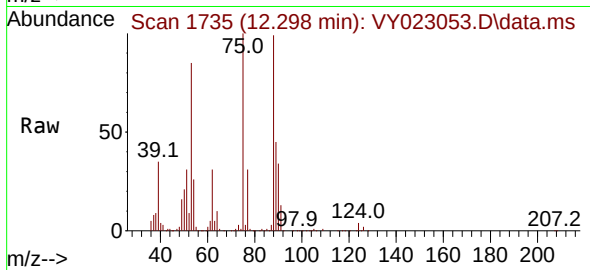




#81
trans-1,4-Dichloro-2-butene
Concen: 49.500 ug/l
RT: 12.298 min Scan# 1735
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

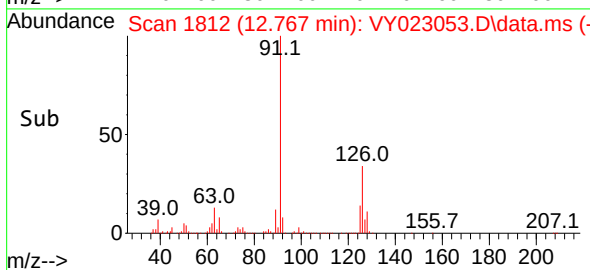
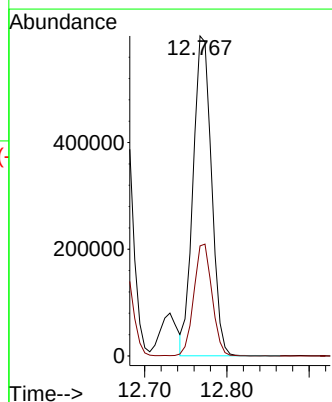
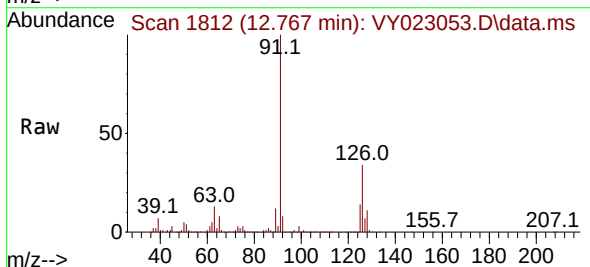
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

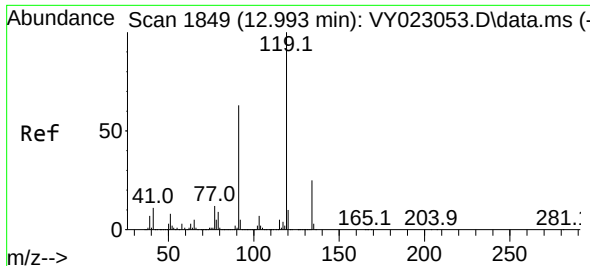
Tgt Ion: 75 Resp: 74567
Ion Ratio Lower Upper
75 100
53 88.5 70.8 106.2
89 47.6 38.1 57.1



#82
4-Chlorotoluene
Concen: 49.299 ug/l
RT: 12.767 min Scan# 1812
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion: 91 Resp: 930329
Ion Ratio Lower Upper
91 100
126 34.7 17.3 52.0

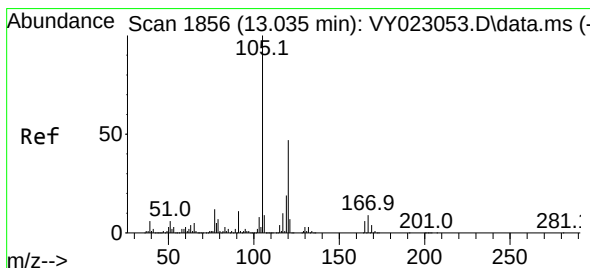
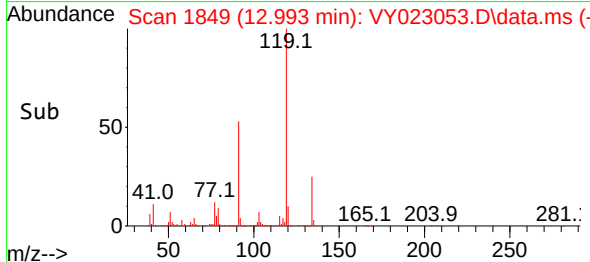
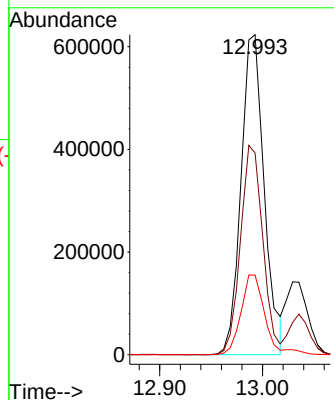
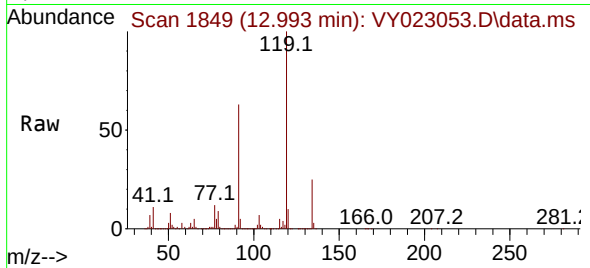




#83
tert-Butylbenzene
Concen: 50.244 ug/l
RT: 12.993 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

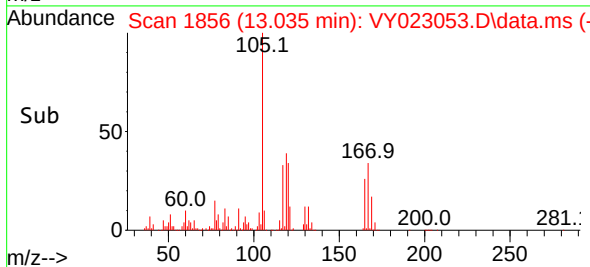
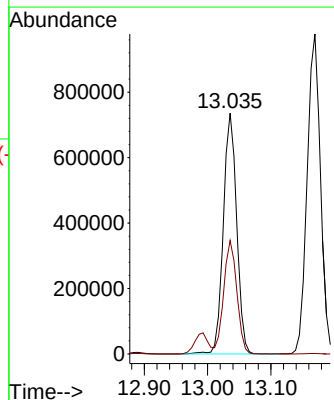
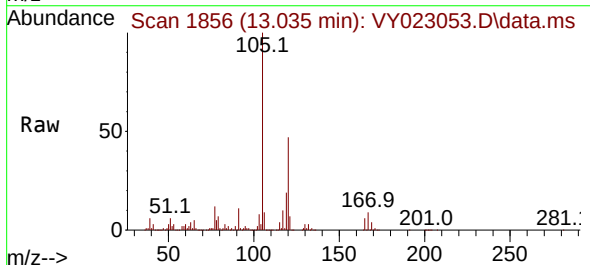
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

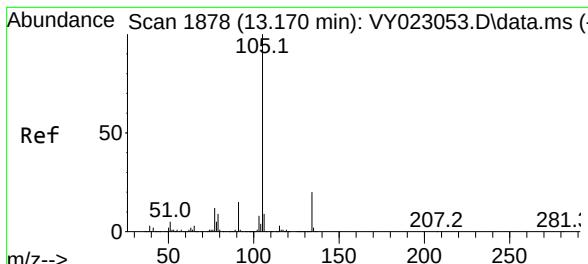
Tgt Ion:119 Resp: 978031
Ion Ratio Lower Upper
119 100
91 63.2 31.6 94.8
134 25.8 12.9 38.7



#84
1,2,4-Trimethylbenzene
Concen: 49.963 ug/l
RT: 13.035 min Scan# 1856
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion:105 Resp: 1071926
Ion Ratio Lower Upper
105 100
120 46.0 23.0 69.0

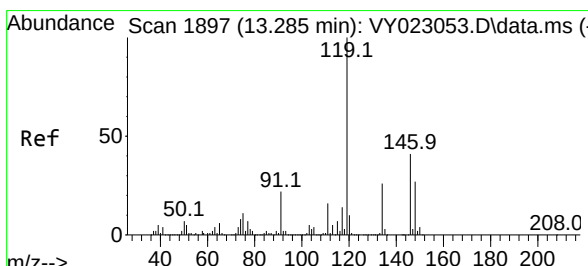
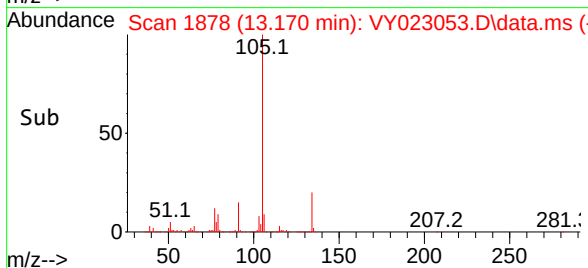
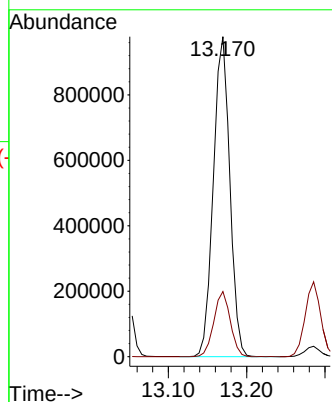
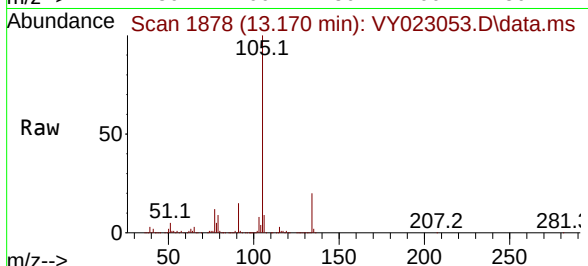




#85
 sec-Butylbenzene
 Concen: 49.854 ug/l
 RT: 13.170 min Scan# 1878
 Delta R.T. 0.000 min
 Lab File: VY023053.D
 Acq: 12 Aug 2025 16:02

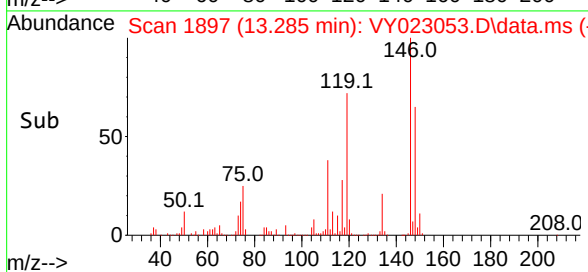
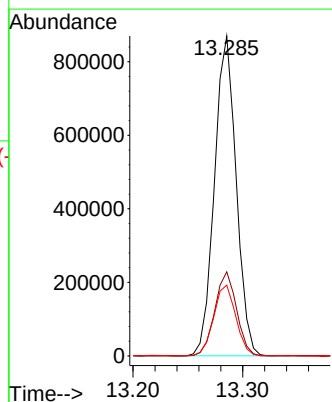
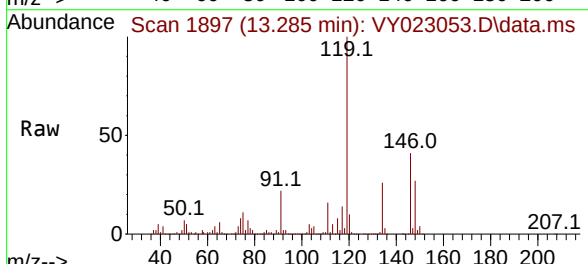
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

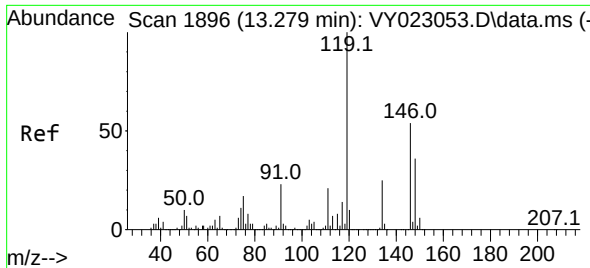
Tgt Ion:105 Resp: 1425553
 Ion Ratio Lower Upper
 105 100
 134 20.3 10.2 30.4



#86
 p-Isopropyltoluene
 Concen: 50.417 ug/l
 RT: 13.285 min Scan# 1897
 Delta R.T. 0.000 min
 Lab File: VY023053.D
 Acq: 12 Aug 2025 16:02

Tgt Ion:119 Resp: 1196645
 Ion Ratio Lower Upper
 119 100
 134 26.4 13.2 39.6
 91 22.5 11.3 33.8

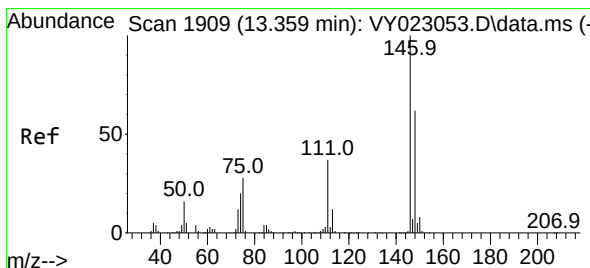
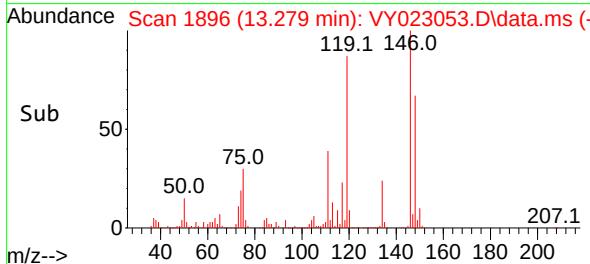
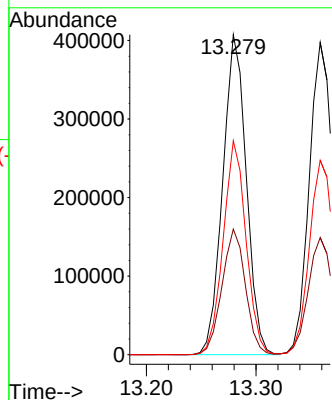
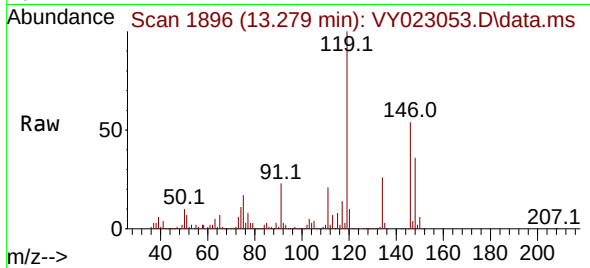




#87
 1,3-Dichlorobenzene
 Concen: 48.481 ug/l
 RT: 13.279 min Scan# 1896
 Delta R.T. 0.000 min
 Lab File: VY023053.D
 Acq: 12 Aug 2025 16:02

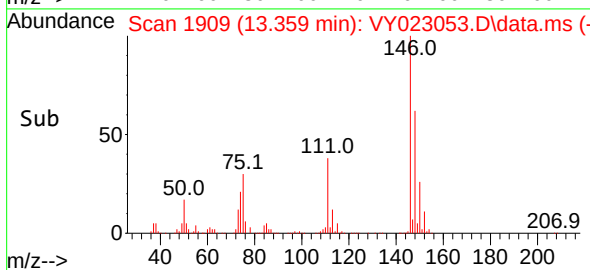
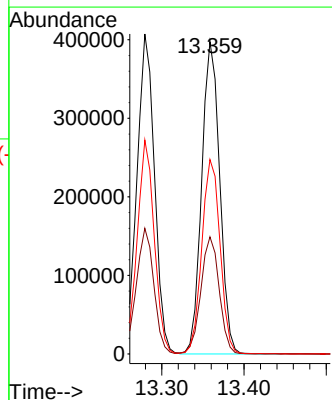
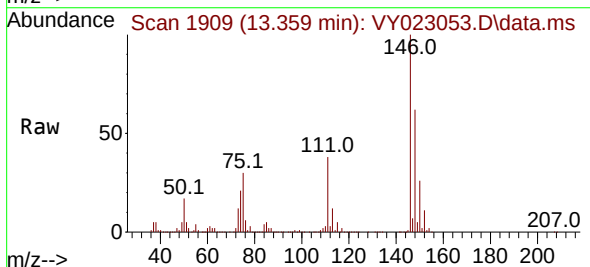
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

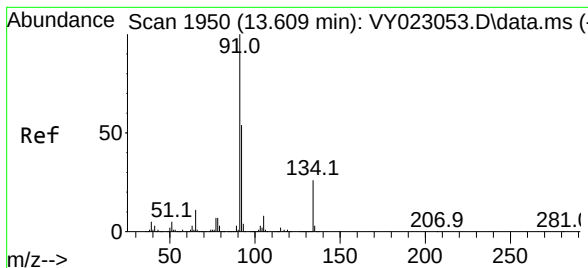
Tgt Ion:146 Resp: 608249
 Ion Ratio Lower Upper
 146 100
 111 39.1 19.6 58.7
 148 65.0 32.5 97.5



#88
 1,4-Dichlorobenzene
 Concen: 48.618 ug/l
 RT: 13.359 min Scan# 1909
 Delta R.T. 0.000 min
 Lab File: VY023053.D
 Acq: 12 Aug 2025 16:02

Tgt Ion:146 Resp: 605079
 Ion Ratio Lower Upper
 146 100
 111 38.1 19.1 57.1
 148 63.1 31.6 94.7

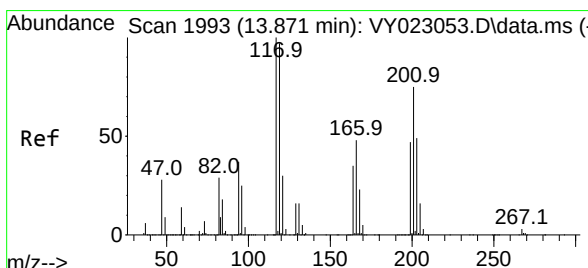
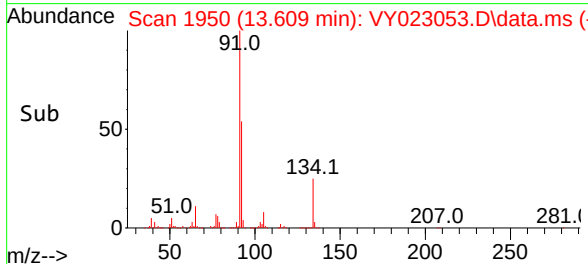
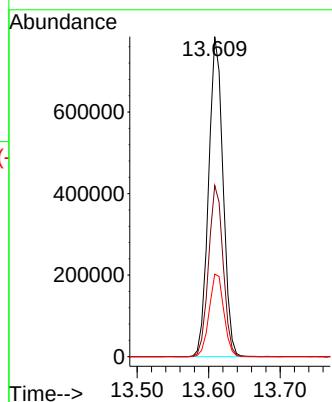
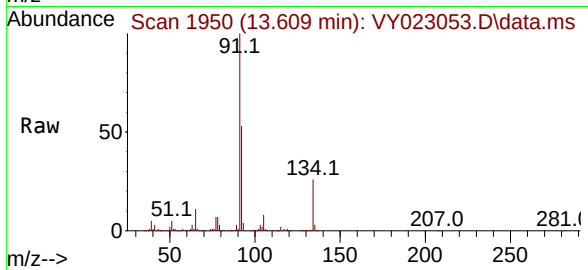




#89
n-Butylbenzene
Concen: 50.454 ug/l
RT: 13.609 min Scan# 1950
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

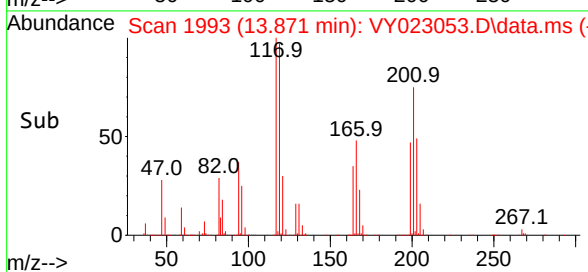
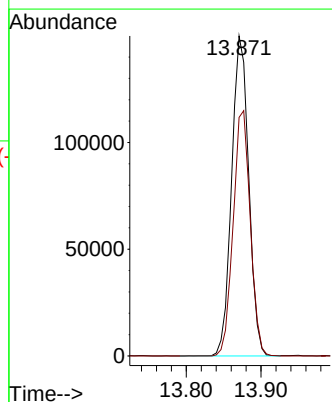
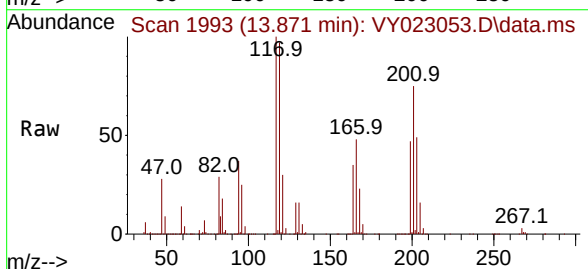
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

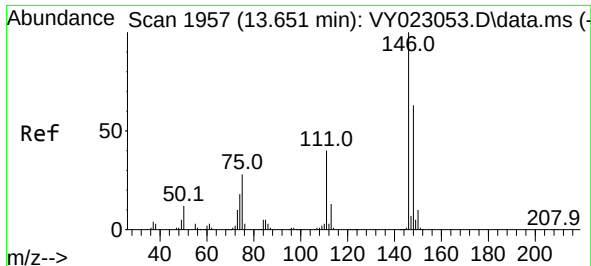
Tgt Ion: 91 Resp: 1099864
Ion Ratio Lower Upper
91 100
92 53.8 26.9 80.7
134 26.3 13.2 39.5



#90
Hexachloroethane
Concen: 48.984 ug/l
RT: 13.871 min Scan# 1993
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion: 117 Resp: 238005
Ion Ratio Lower Upper
117 100
201 76.7 38.4 115.1





#91

1,2-Dichlorobenzene

Concen: 48.772 ug/l

RT: 13.651 min Scan# 1957

Delta R.T. 0.000 min

Lab File: VY023053.D

Acq: 12 Aug 2025 16:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

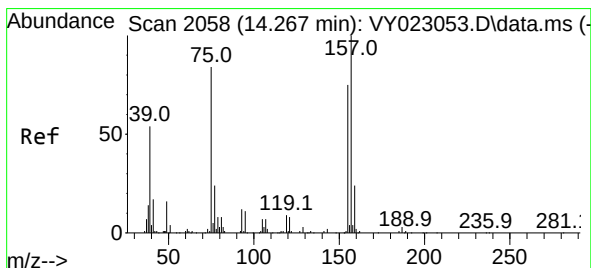
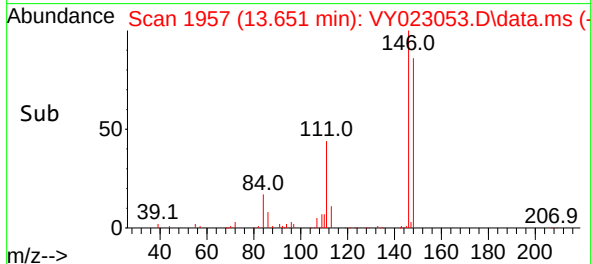
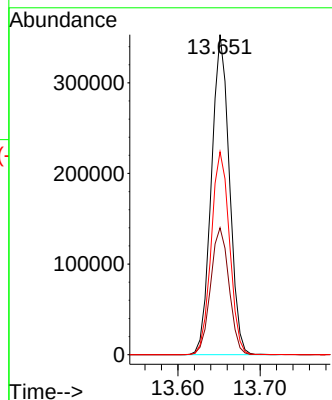
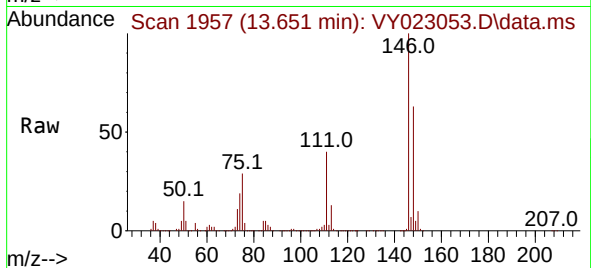
Tgt Ion:146 Resp: 536637

Ion Ratio Lower Upper

146 100

111 40.5 20.3 60.8

148 64.4 32.2 96.6



#92

1,2-Dibromo-3-Chloropropane

Concen: 50.592 ug/l

RT: 14.267 min Scan# 2058

Delta R.T. 0.000 min

Lab File: VY023053.D

Acq: 12 Aug 2025 16:02

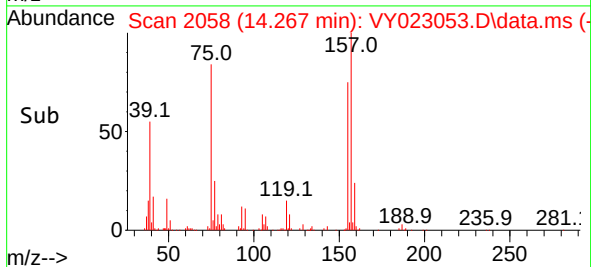
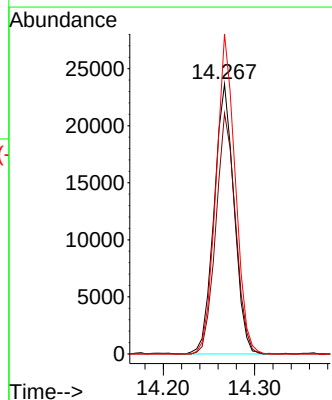
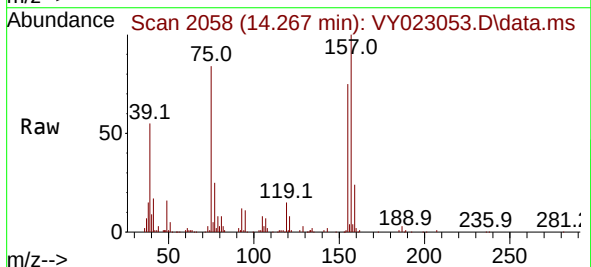
Tgt Ion: 75 Resp: 35867

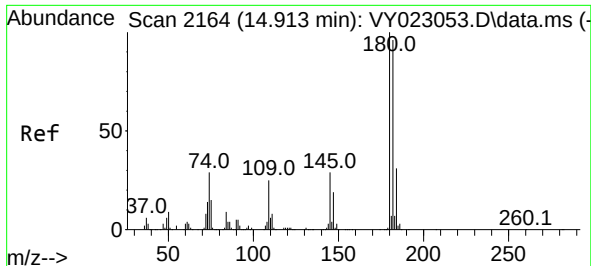
Ion Ratio Lower Upper

75 100

155 87.7 43.9 131.6

157 114.4 57.2 171.6

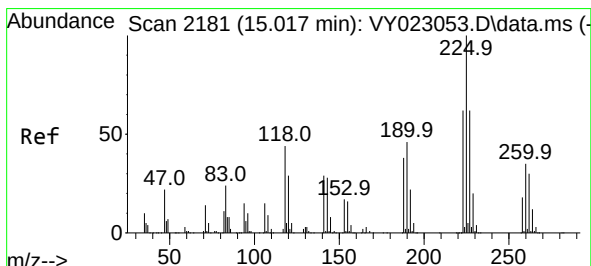
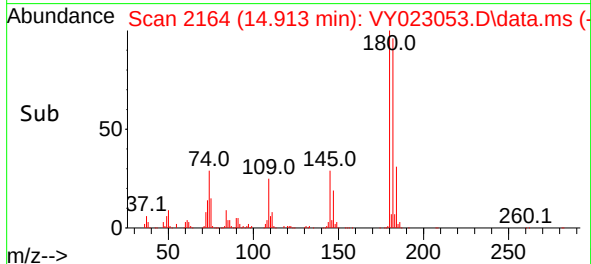
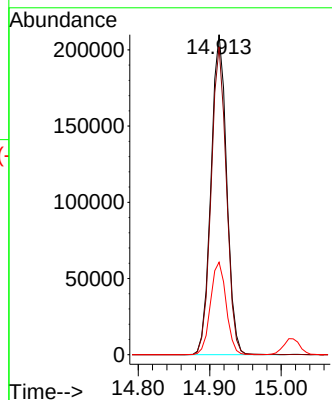
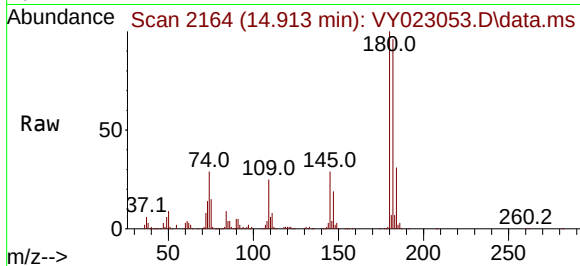




#93
1,2,4-Trichlorobenzene
Concen: 49.192 ug/l
RT: 14.913 min Scan# 2164
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

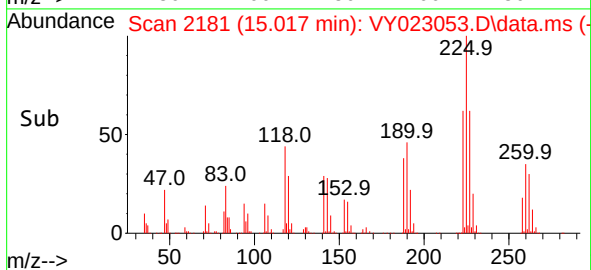
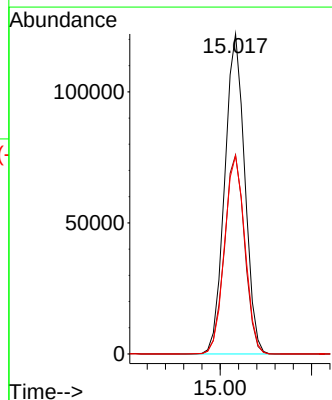
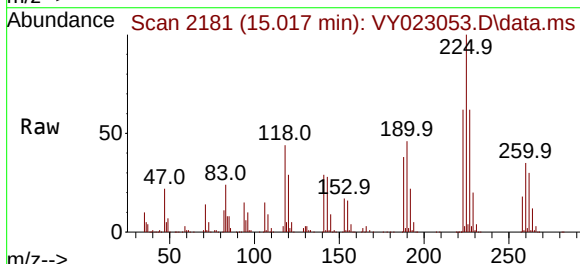
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

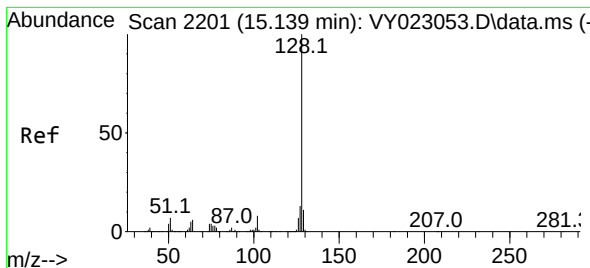
Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.6	46.8	140.4
145	28.9	14.4	43.4



#94
Hexachlorobutadiene
Concen: 48.543 ug/l
RT: 15.017 min Scan# 2181
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.5	31.3	93.8
227	63.0	31.5	94.5





#95

Naphthalene

Concen: 50.685 ug/l

RT: 15.139 min Scan# 2201

Delta R.T. 0.000 min

Lab File: VY023053.D

Acq: 12 Aug 2025 16:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

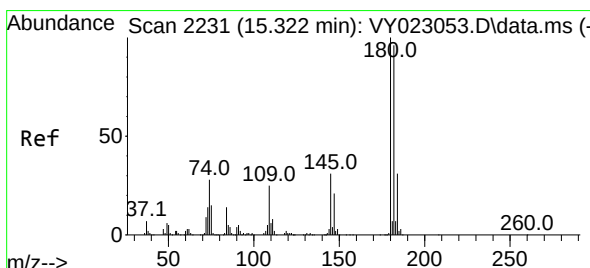
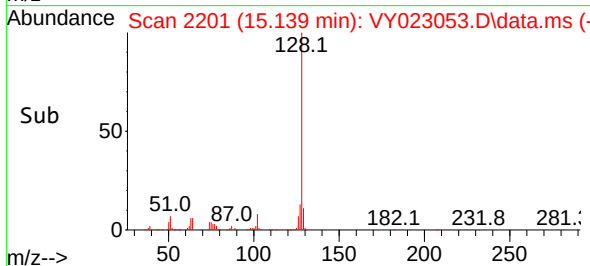
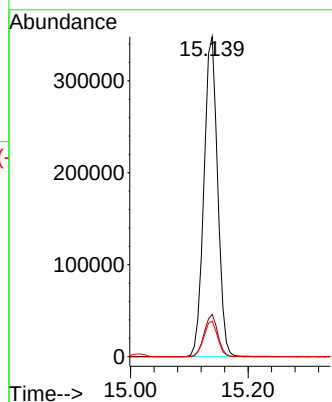
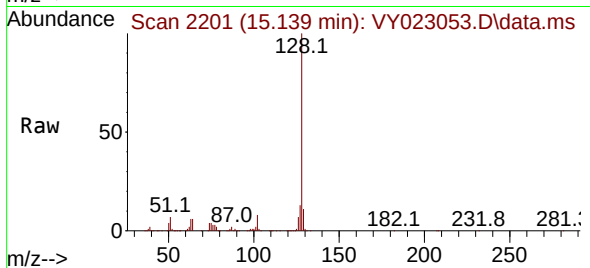
Tgt Ion:128 Resp: 562363

Ion Ratio Lower Upper

128 100

127 13.0 10.4 15.6

129 11.2 9.0 13.4



#96

1,2,3-Trichlorobenzene

Concen: 48.540 ug/l

RT: 15.322 min Scan# 2231

Delta R.T. 0.000 min

Lab File: VY023053.D

Acq: 12 Aug 2025 16:02

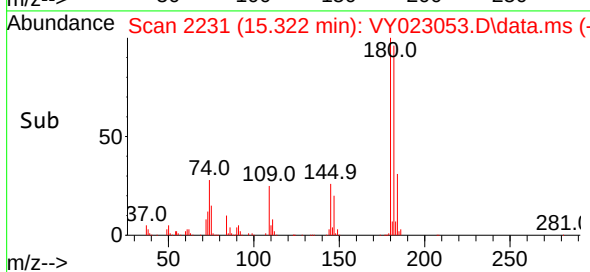
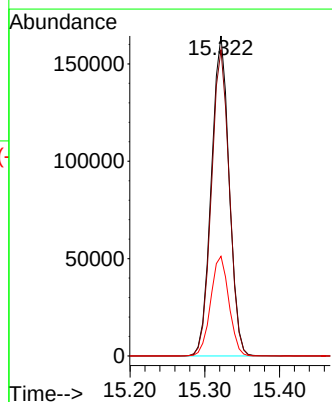
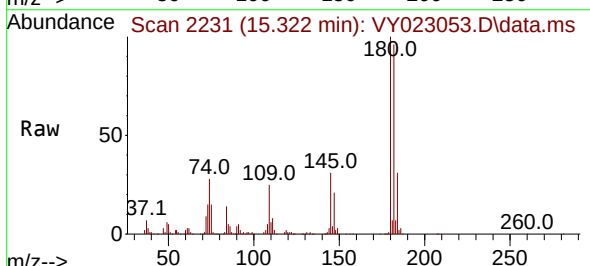
Tgt Ion:180 Resp: 272154

Ion Ratio Lower Upper

180 100

182 95.8 47.9 143.7

145 31.8 15.9 47.7



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081225\
 Data File : VY023054.D
 Acq On : 12 Aug 2025 16:25
 Operator : SY/MD
 Sample : VSTDICC100
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC100

Quant Time: Aug 13 01:54:25 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 13 01:46:43 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	558266	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	880463	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.408	117	784385	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	404136	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	527356	99.115	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 198.220%#	
35) Dibromofluoromethane	7.628	113	540106	102.518	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 205.040%#	
50) Toluene-d8	10.103	98	2116445	102.832	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 205.660%#	
62) 4-Bromofluorobenzene	12.402	95	702583	106.147	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 212.300%#	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	376261	82.570	ug/l	98
3) Chloromethane	2.068	50	673475	91.248	ug/l	99
4) Vinyl Chloride	2.202	62	841648	92.250	ug/l	98
5) Bromomethane	2.586	94	643103	94.384	ug/l	100
6) Chloroethane	2.727	64	567515	93.563	ug/l	99
7) Trichlorofluoromethane	3.050	101	1005284	90.617	ug/l	99
8) Diethyl Ether	3.452	74	273400	93.150	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.812	101	497408	90.882	ug/l	99
10) Methyl Iodide	4.001	142	629775	106.635	ug/l	99
11) Tert butyl alcohol	4.866	59	162373	445.387	ug/l	99
12) 1,1-Dichloroethene	3.787	96	506919	94.229	ug/l	95
13) Acrolein	3.647	56	240580	450.599	ug/l	100
14) Allyl chloride	4.379	41	759925	96.000	ug/l	99
15) Acrylonitrile	5.049	53	555815	465.802	ug/l	99
16) Acetone	3.867	43	522178	453.007	ug/l	97
17) Carbon Disulfide	4.098	76	1622451	92.494	ug/l	100
18) Methyl Acetate	4.379	43	312127	90.993	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	1342237	96.284	ug/l	100
20) Methylene Chloride	4.610	84	570465	97.847	ug/l	98
21) trans-1,2-Dichloroethene	5.110	96	580972	96.098	ug/l	99
22) Diisopropyl ether	6.019	45	1686285	98.033	ug/l	99
23) Vinyl Acetate	5.958	43	4632278	487.023	ug/l	100
24) 1,1-Dichloroethane	5.909	63	1012815	96.306	ug/l	100
25) 2-Butanone	6.890	43	722555	460.899	ug/l	97
26) 2,2-Dichloropropane	6.878	77	866598	95.497	ug/l	99
27) cis-1,2-Dichloroethene	6.884	96	681242	97.472	ug/l	100
28) Bromochloromethane	7.244	49	409677	98.188	ug/l	100
29) Tetrahydrofuran	7.256	42	451254	464.370	ug/l	100
30) Chloroform	7.415	83	1045381	96.383	ug/l	96
31) Cyclohexane	7.695	56	884707	89.271	ug/l	98
32) 1,1,1-Trichloroethane	7.610	97	929858	96.620	ug/l	99
36) 1,1-Dichloropropene	7.829	75	755114	96.443	ug/l	99
37) Ethyl Acetate	6.982	43	313447	95.302	ug/l	99
38) Carbon Tetrachloride	7.811	117	819941	96.419	ug/l	98
39) Methylcyclohexane	9.103	83	1011944	98.146	ug/l	99
40) Benzene	8.073	78	2348617	97.324	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081225\
 Data File : VY023054.D
 Acq On : 12 Aug 2025 16:25
 Operator : SY/MD
 Sample : VSTDICC100
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC100

Quant Time: Aug 13 01:54:25 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 13 01:46:43 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	180468	94.973	ug/l	98
42) 1,2-Dichloroethane	8.152	62	597215	95.155	ug/l	100
43) Isopropyl Acetate	8.195	43	636710	95.780	ug/l	99
44) Trichloroethene	8.860	130	602322	96.584	ug/l	97
45) 1,2-Dichloropropane	9.140	63	543589	97.899	ug/l	99
46) Dibromomethane	9.225	93	309302	97.052	ug/l	99
47) Bromodichloromethane	9.420	83	802532	97.864	ug/l	98
48) Methyl methacrylate	9.219	41	319906	100.567	ug/l	99
49) 1,4-Dioxane	9.225	88	71300	1908.039	ug/l	94
51) 4-Methyl-2-Pentanone	9.994	43	1669668	486.924	ug/l	100
52) Toluene	10.164	92	1537088	100.288	ug/l	100
53) t-1,3-Dichloropropene	10.390	75	754278	101.574	ug/l	99
54) cis-1,3-Dichloropropene	9.853	75	880571	100.281	ug/l	99
55) 1,1,2-Trichloroethane	10.567	97	415556	97.446	ug/l	99
56) Ethyl methacrylate	10.432	69	569556	104.375	ug/l	100
57) 1,3-Dichloropropane	10.713	76	696130	96.253	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.707	63	1389847	539.957	ug/l	99
59) 2-Hexanone	10.756	43	1151000	492.950	ug/l	100
60) Dibromochloromethane	10.902	129	557205	99.024	ug/l	99
61) 1,2-Dibromoethane	11.012	107	391650	97.713	ug/l	98
64) Tetrachloroethene	10.640	164	615871	87.931	ug/l	98
65) Chlorobenzene	11.438	112	1658154	98.004	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.512	131	573131	99.810	ug/l	99
67) Ethyl Benzene	11.512	91	2914020	100.082	ug/l	98
68) m/p-Xylenes	11.621	106	2312597	203.363	ug/l	98
69) o-Xylene	11.950	106	1100998	103.373	ug/l	99
70) Styrene	11.963	104	1845480	105.953	ug/l	99
71) Bromoform	12.127	173	334886	99.786	ug/l #	99
73) Isopropylbenzene	12.249	105	2839999	99.567	ug/l	99
74) N-amyl acetate	12.066	43	610668	100.955	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.499	83	469810	96.464	ug/l	100
76) 1,2,3-Trichloropropane	12.548	75	610364	156.388	ug/l #	100
77) Bromobenzene	12.524	156	671329	98.655	ug/l	98
78) n-propylbenzene	12.591	91	3360679	98.963	ug/l	99
79) 2-Chlorotoluene	12.670	91	1931460	99.268	ug/l	100
80) 1,3,5-Trimethylbenzene	12.731	105	2321527	100.707	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.298	75	153260	95.118	ug/l	100
82) 4-Chlorotoluene	12.767	91	1988544	98.519	ug/l	100
83) tert-Butylbenzene	12.993	119	2125785	102.102	ug/l	98
84) 1,2,4-Trimethylbenzene	13.036	105	2339432	101.946	ug/l	100
85) sec-Butylbenzene	13.170	105	3056373	99.932	ug/l	100
86) p-Isopropyltoluene	13.286	119	2610936	102.846	ug/l	100
87) 1,3-Dichlorobenzene	13.280	146	1338547	99.748	ug/l	99
88) 1,4-Dichlorobenzene	13.359	146	1290840	96.970	ug/l	99
89) n-Butylbenzene	13.609	91	2370706	101.675	ug/l	100
90) Hexachloroethane	13.871	117	510900	98.308	ug/l	99
91) 1,2-Dichlorobenzene	13.651	146	1162152	98.749	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.267	75	69736	91.965	ug/l	97
93) 1,2,4-Trichlorobenzene	14.913	180	692201	99.460	ug/l	98
94) Hexachlorobutadiene	15.017	225	387707	94.803	ug/l	99
95) Naphthalene	15.133	128	1212227	102.147	ug/l	100
96) 1,2,3-Trichlorobenzene	15.322	180	587990	98.046	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081225\
Data File : VY023054.D
Acq On : 12 Aug 2025 16:25
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Quant Time: Aug 13 01:54:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 01:46:43 2025
Response via : Initial Calibration

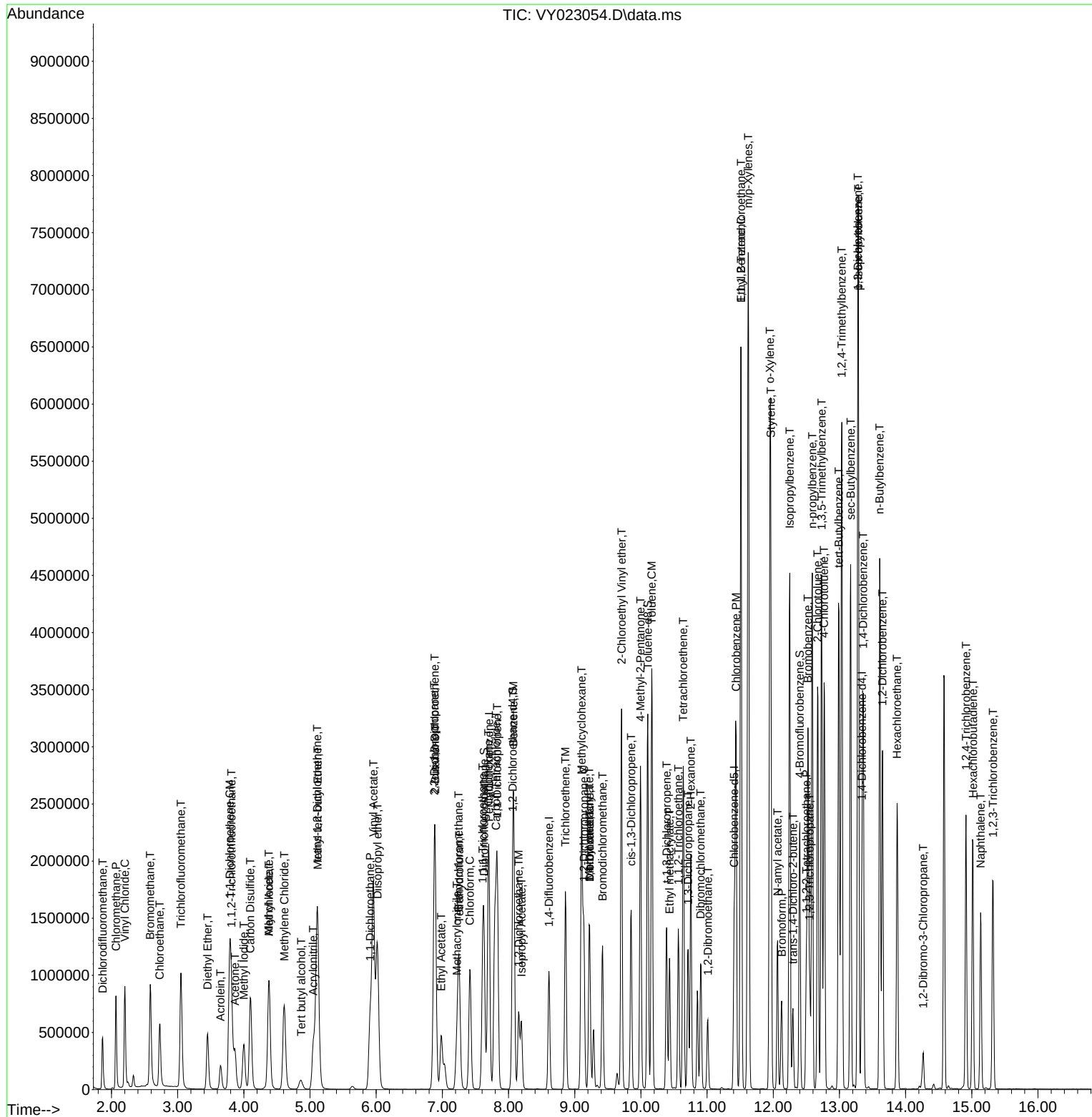
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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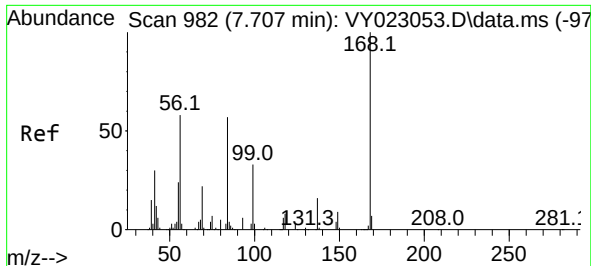
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081225\
Data File : VY023054.D
Acq On : 12 Aug 2025 16:25
Operator : SY/MD
Sample : VSTDIC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Quant Time: Aug 13 01:54:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 01:46:43 2025
Response via : Initial Calibration

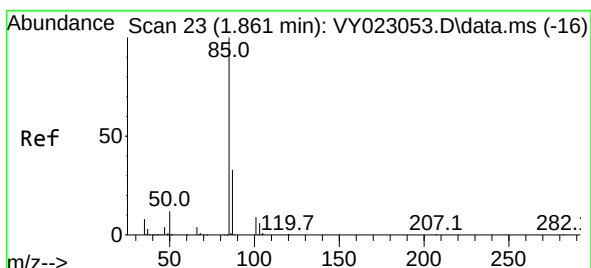
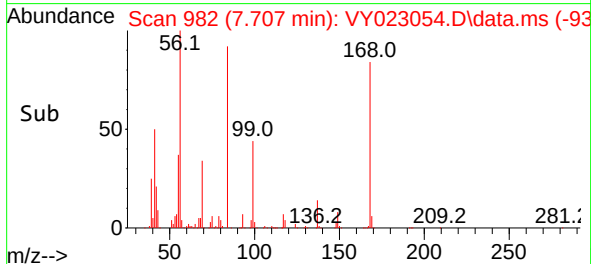
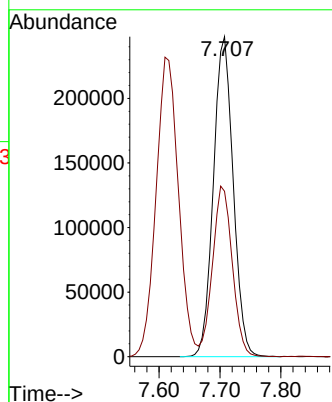
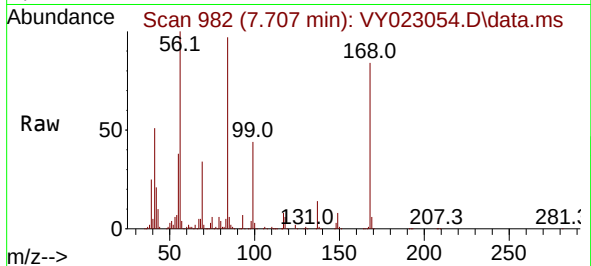




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

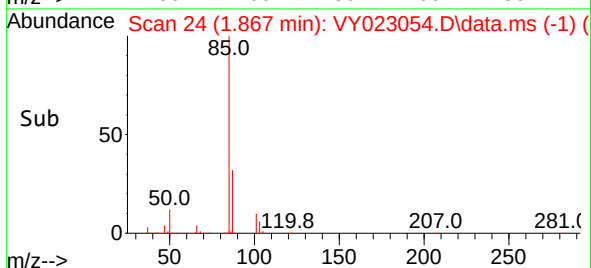
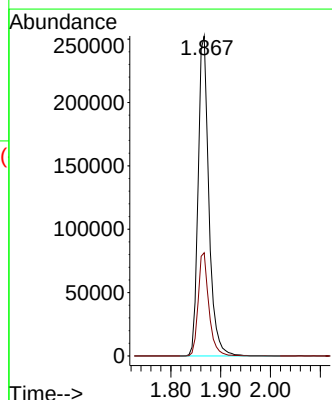
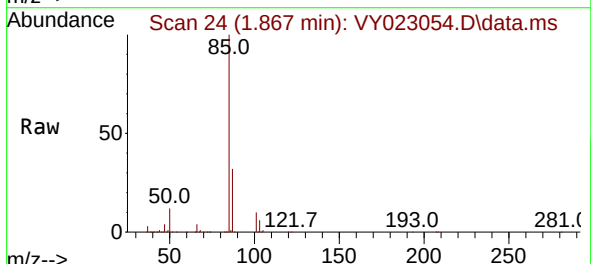
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

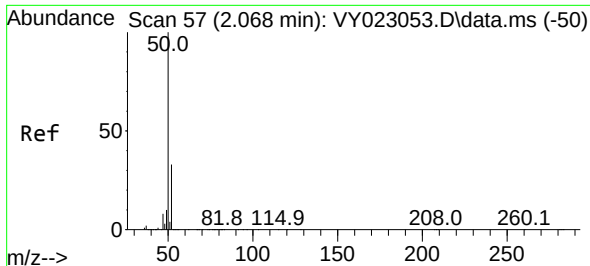
Tgt Ion:168 Resp: 558266
Ion Ratio Lower Upper
168 100
99 51.7 42.8 64.2



#2
Dichlorodifluoromethane
Concen: 82.570 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.006 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion: 85 Resp: 376261
Ion Ratio Lower Upper
85 100
87 32.3 16.6 49.8

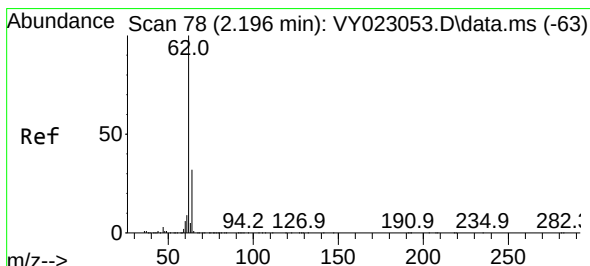
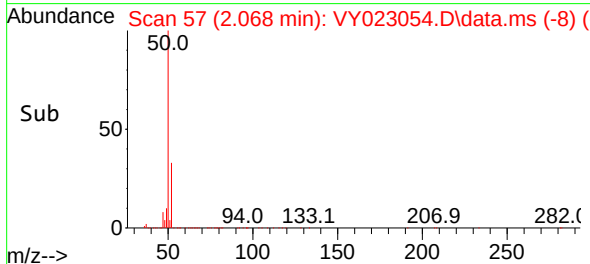
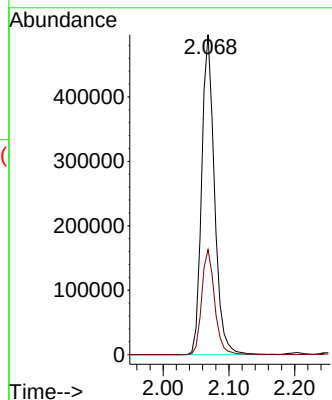
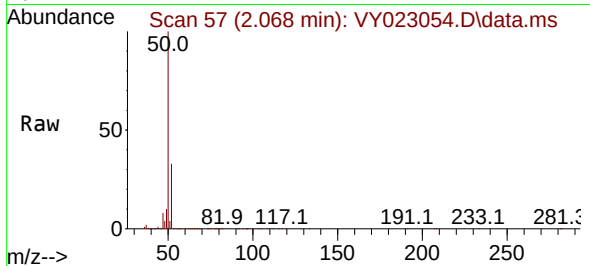




#3
Chloromethane
Concen: 91.248 ug/l
RT: 2.068 min Scan# 51
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

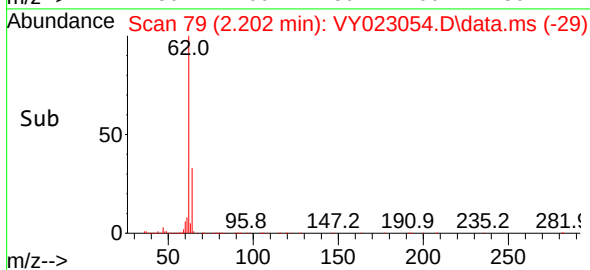
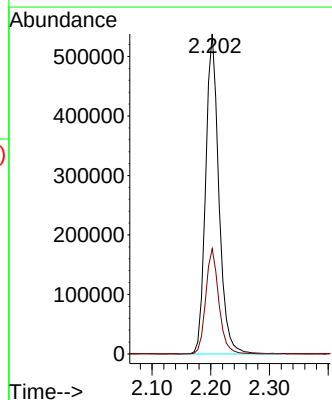
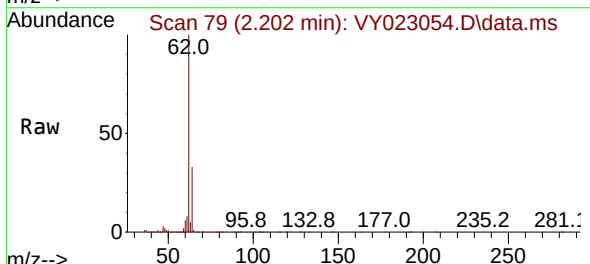
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

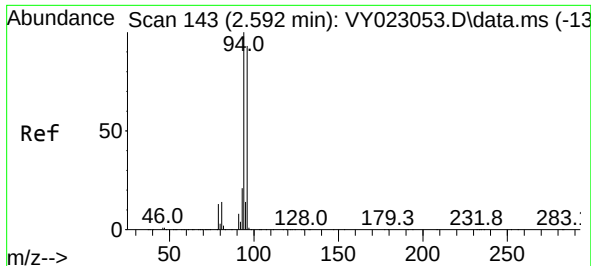
Tgt Ion: 50 Resp: 673475
Ion Ratio Lower Upper
50 100
52 32.9 26.7 40.1



#4
Vinyl Chloride
Concen: 92.250 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.006 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion: 62 Resp: 841648
Ion Ratio Lower Upper
62 100
64 32.9 25.4 38.0

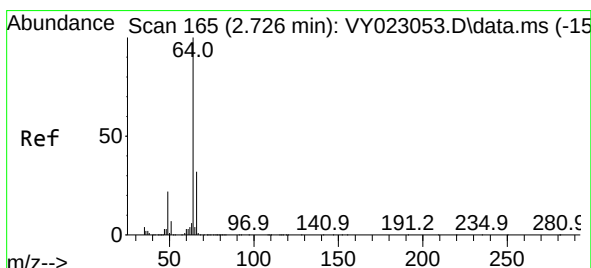
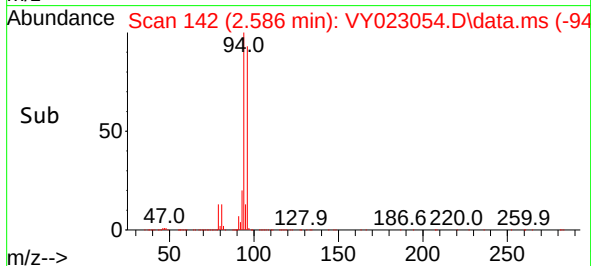
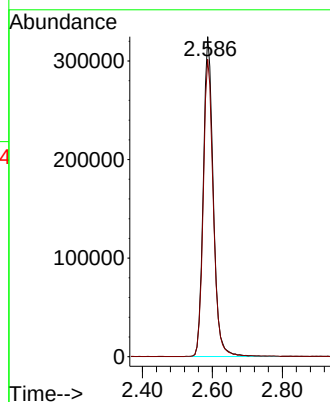
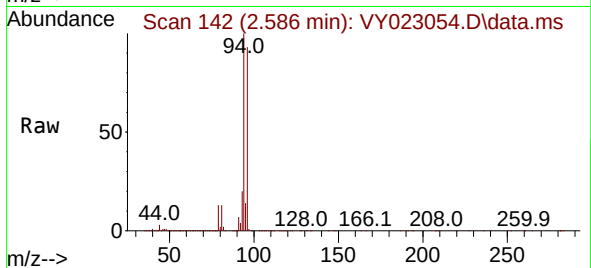




#5
Bromomethane
Concen: 94.384 ug/l
RT: 2.586 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

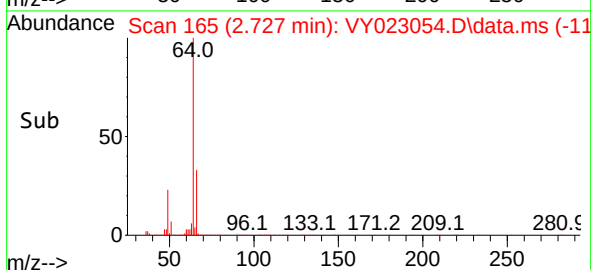
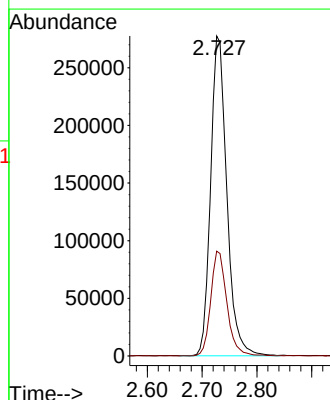
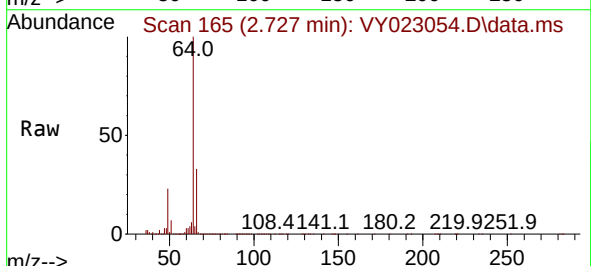
Instrument :
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ClientSampleId :
VSTDIC100

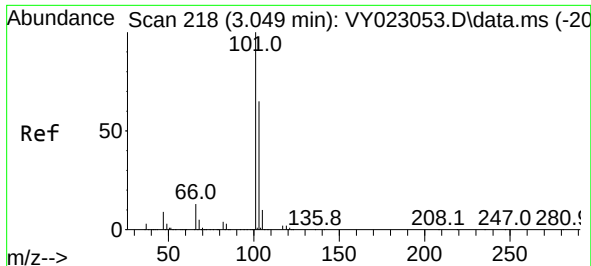
Tgt Ion: 94 Resp: 643103
Ion Ratio Lower Upper
94 100
96 92.9 74.6 112.0



#6
Chloroethane
Concen: 93.563 ug/l
RT: 2.727 min Scan# 165
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion: 64 Resp: 567515
Ion Ratio Lower Upper
64 100
66 32.7 25.8 38.6

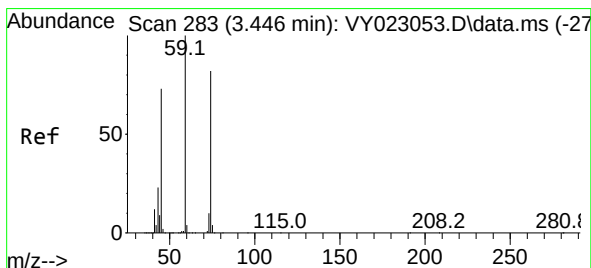
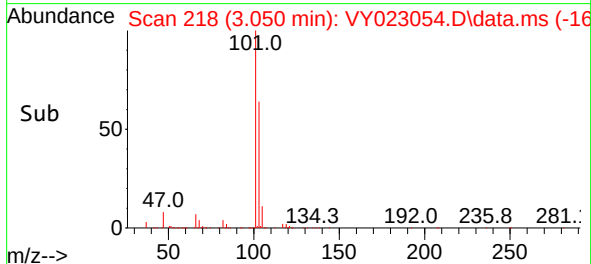
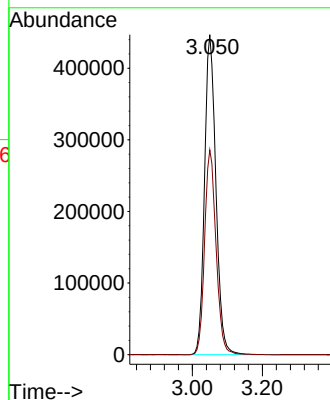
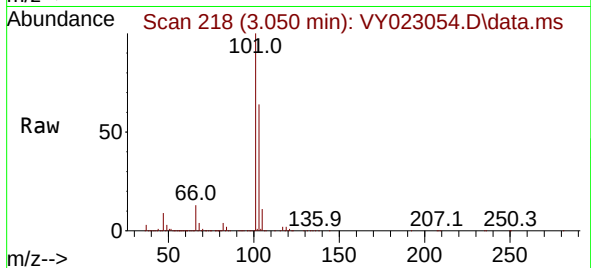




#7
Trichlorofluoromethane
Concen: 90.617 ug/l
RT: 3.050 min Scan# 218
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

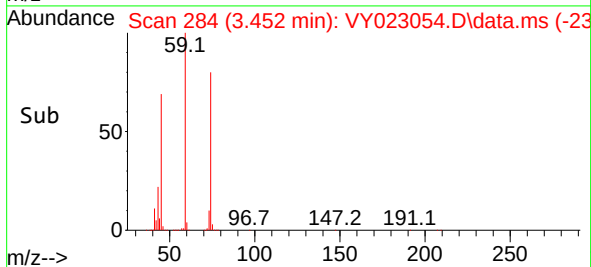
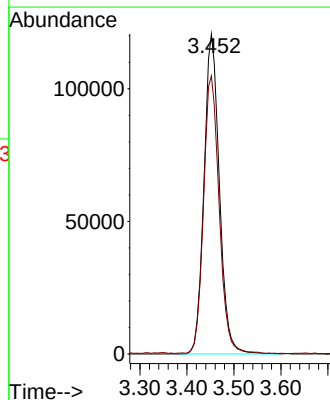
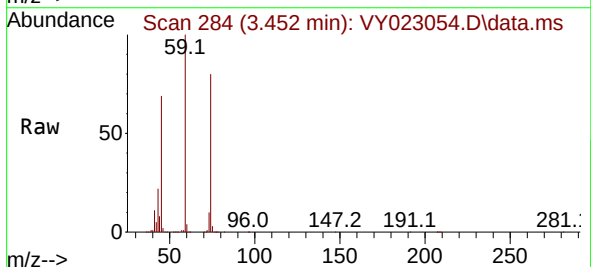
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

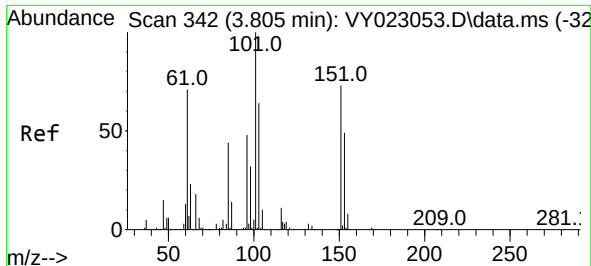
Tgt Ion:101 Resp: 1005284
Ion Ratio Lower Upper
101 100
103 64.0 51.9 77.9



#8
Diethyl Ether
Concen: 93.150 ug/l
RT: 3.452 min Scan# 284
Delta R.T. 0.006 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion: 74 Resp: 273400
Ion Ratio Lower Upper
74 100
45 88.2 44.4 133.2

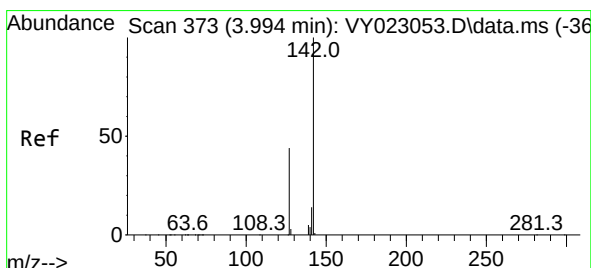
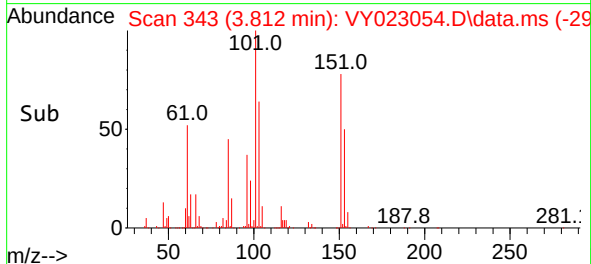
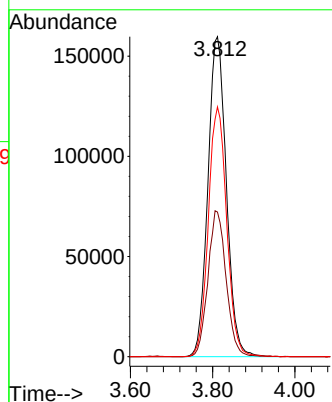
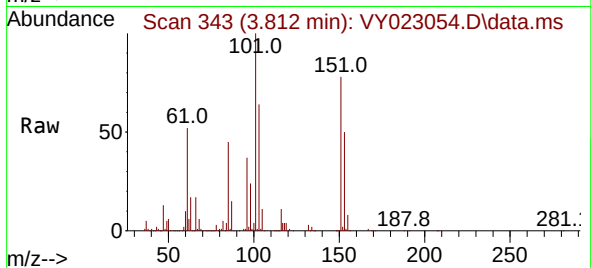




#9
1,1,2-Trichlorotrifluoroethane
Concen: 90.882 ug/l
RT: 3.812 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

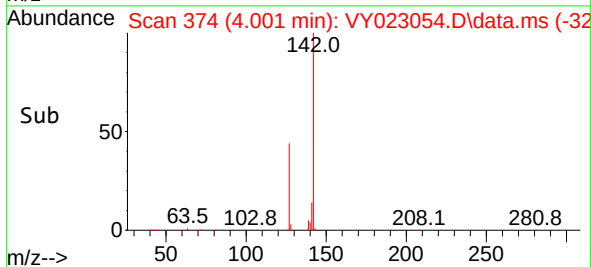
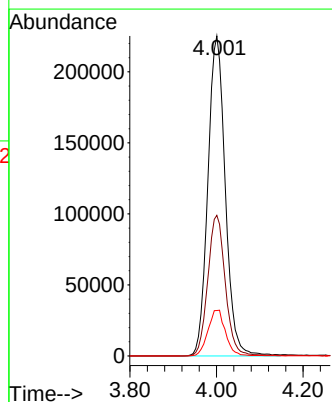
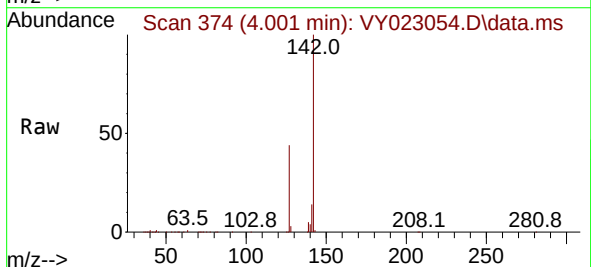
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

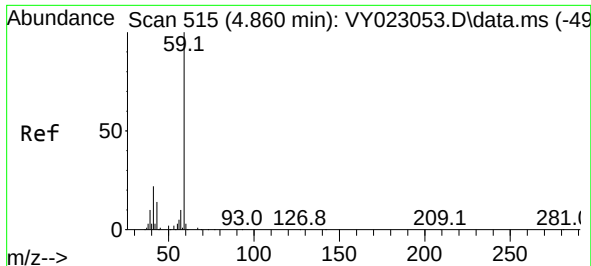
Tgt Ion:101 Resp: 497408
Ion Ratio Lower Upper
101 100
85 45.0 36.3 54.5
151 77.9 61.5 92.3



#10
Methyl Iodide
Concen: 106.635 ug/l
RT: 4.001 min Scan# 374
Delta R.T. 0.006 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion:142 Resp: 629775
Ion Ratio Lower Upper
142 100
127 44.2 34.9 52.3
141 14.4 11.3 16.9

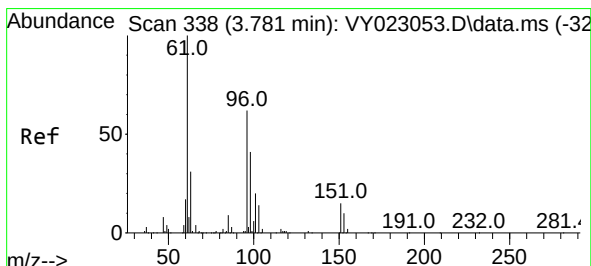
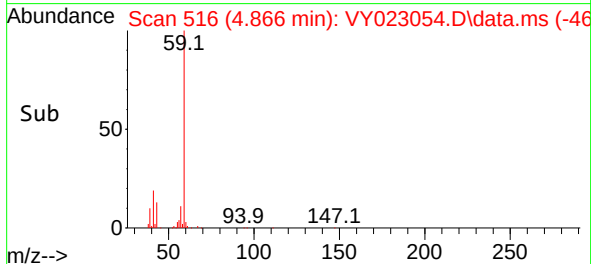
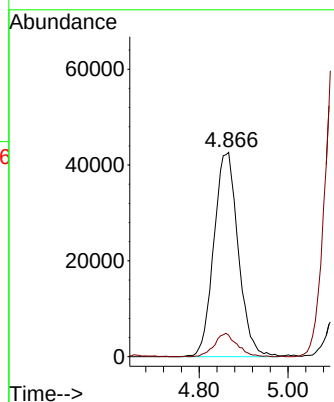
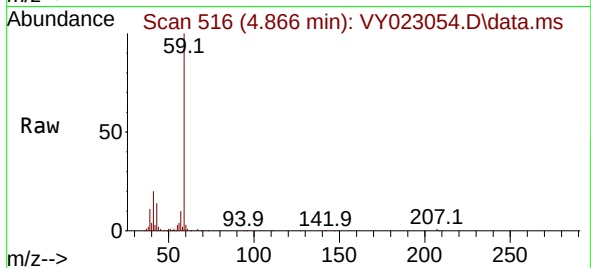




#11
Tert butyl alcohol
Concen: 445.387 ug/l
RT: 4.866 min Scan# 515
Delta R.T. 0.006 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

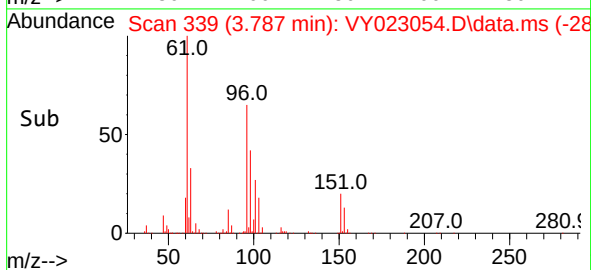
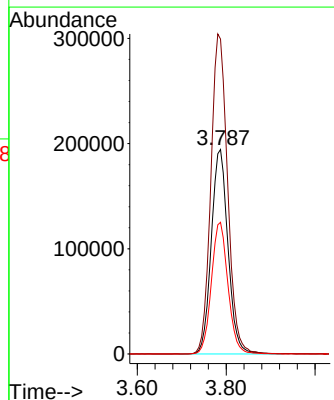
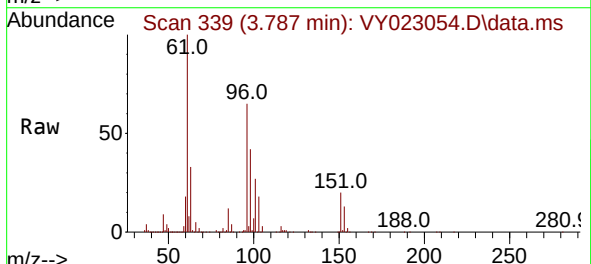
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

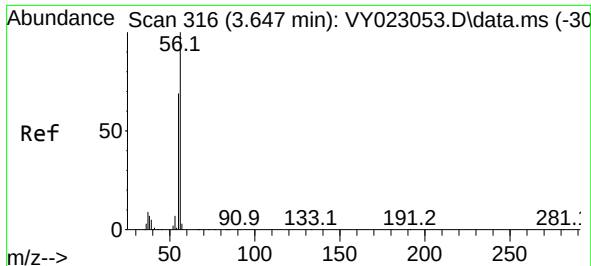
Tgt Ion: 59 Resp: 162373
Ion Ratio Lower Upper
59 100
57 10.6 8.6 13.0



#12
1,1-Dichloroethene
Concen: 94.229 ug/l
RT: 3.787 min Scan# 339
Delta R.T. 0.006 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion: 96 Resp: 506919
Ion Ratio Lower Upper
96 100
61 154.0 129.4 194.2
98 64.4 52.8 79.2

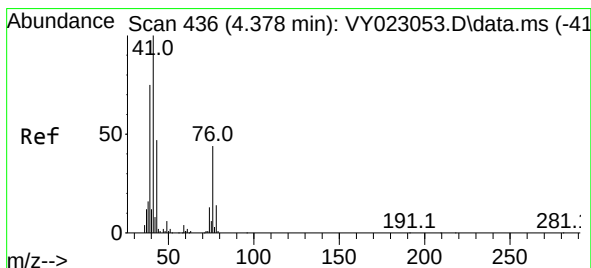
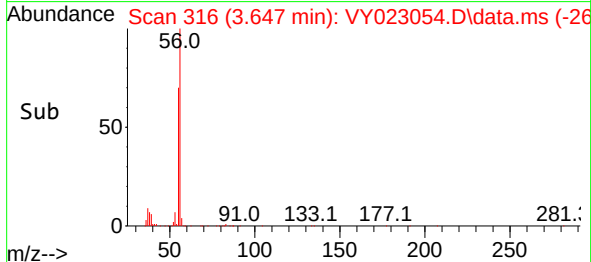
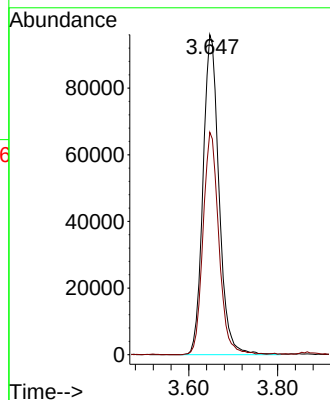
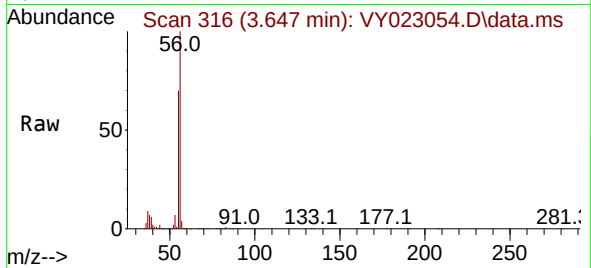




#13
Acrolein
Concen: 450.599 ug/l
RT: 3.647 min Scan# 316
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

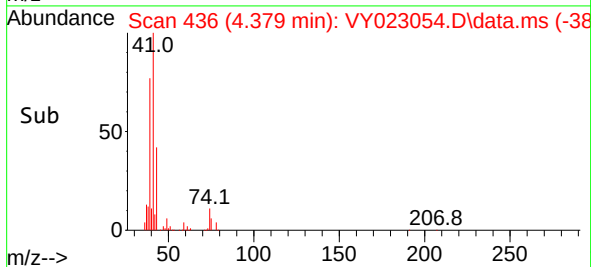
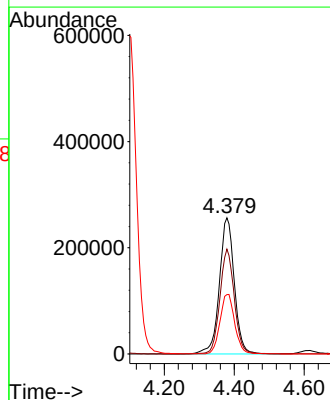
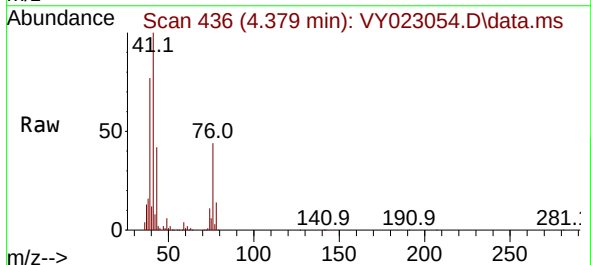
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

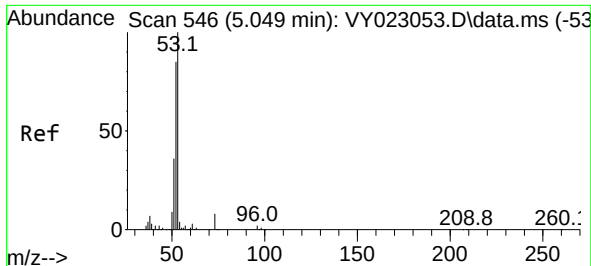
Tgt Ion: 56 Resp: 240580
Ion Ratio Lower Upper
56 100
55 68.9 55.2 82.8



#14
Allyl chloride
Concen: 96.000 ug/l
RT: 4.379 min Scan# 436
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion: 41 Resp: 759925
Ion Ratio Lower Upper
41 100
39 74.3 59.8 89.6
76 43.0 33.7 50.5

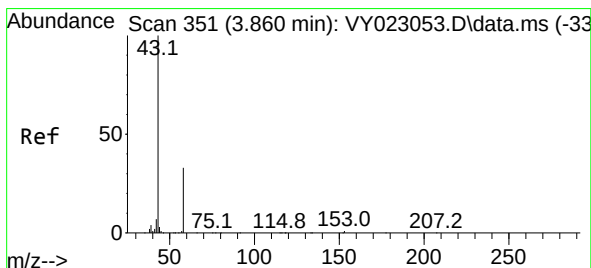
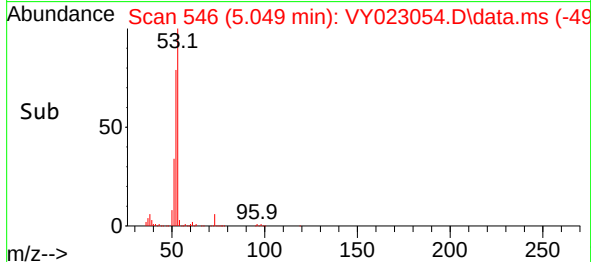
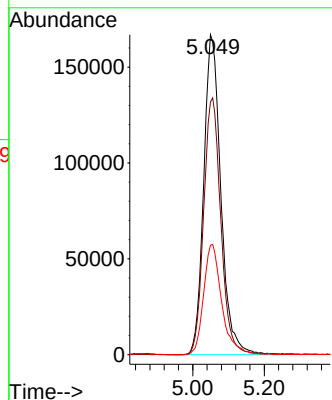
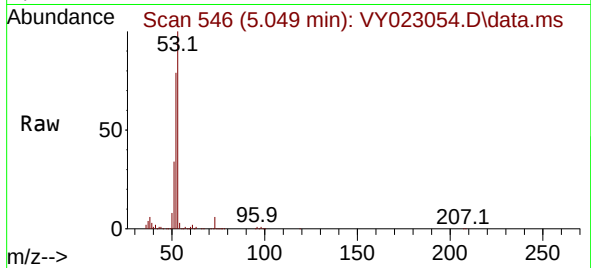




#15
Acrylonitrile
Concen: 465.802 ug/l
RT: 5.049 min Scan# 546
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

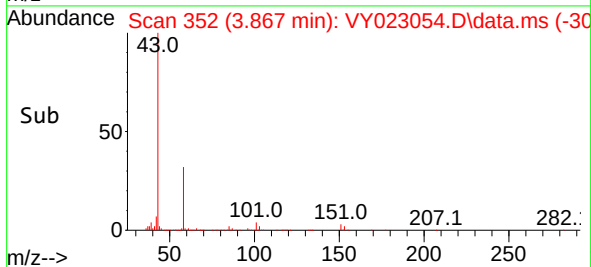
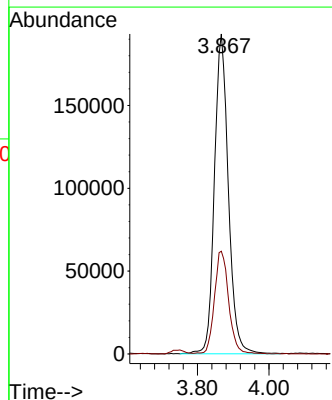
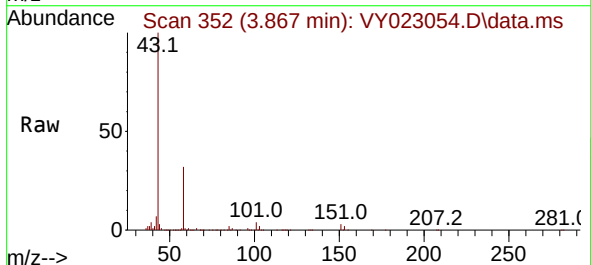
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

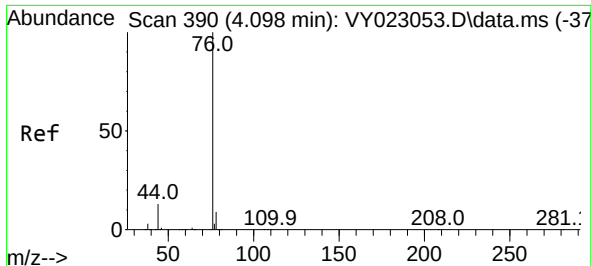
Tgt Ion:	53	Resp:	555815
Ion	Ratio	Lower	Upper
53	100		
52	80.3	65.3	97.9
51	36.3	29.5	44.3



#16
Acetone
Concen: 453.007 ug/l
RT: 3.867 min Scan# 352
Delta R.T. 0.006 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion:	43	Resp:	522178
Ion	Ratio	Lower	Upper
43	100		
58	32.1	27.1	40.7

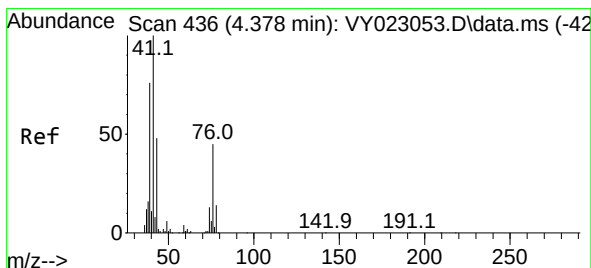
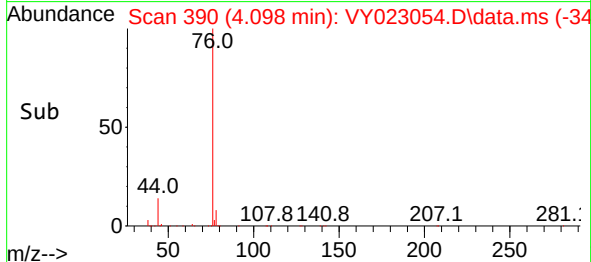
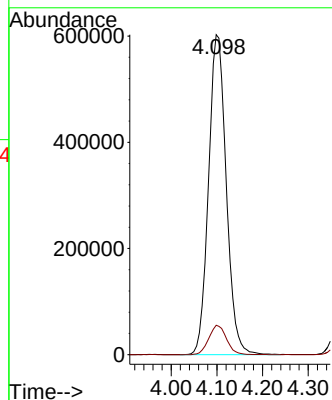
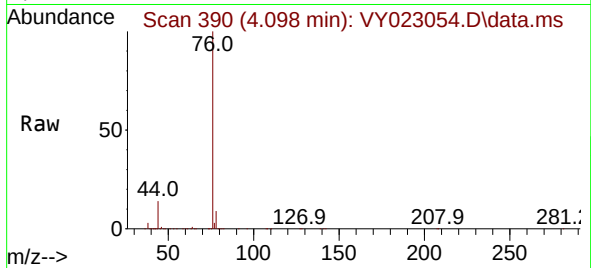




#17
Carbon Disulfide
Concen: 92.494 ug/l
RT: 4.098 min Scan# 390
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

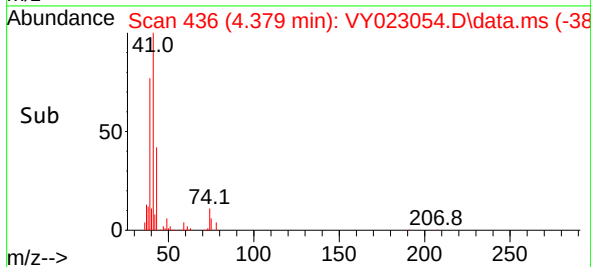
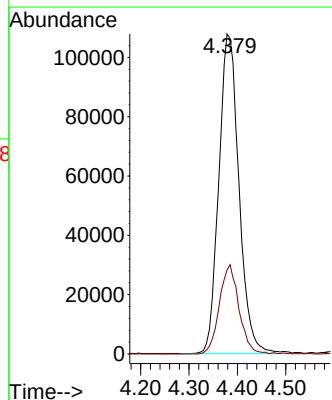
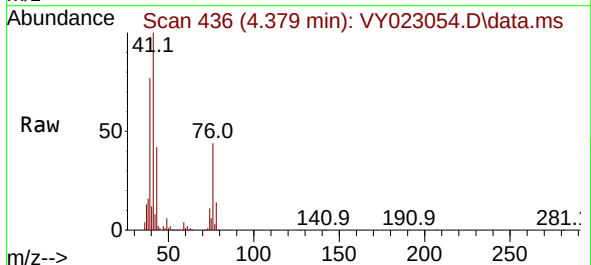
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

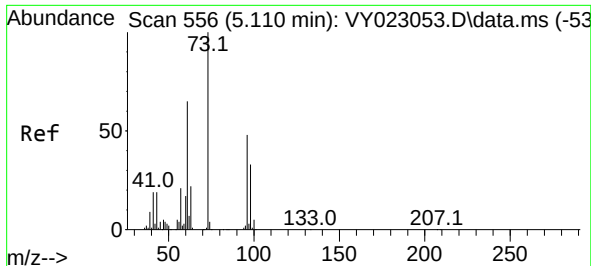
Tgt Ion: 76 Resp: 1622451
Ion Ratio Lower Upper
76 100
78 9.2 7.4 11.2



#18
Methyl Acetate
Concen: 90.993 ug/l
RT: 4.379 min Scan# 436
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion: 43 Resp: 312127
Ion Ratio Lower Upper
43 100
74 27.1 21.2 31.8





#19

Methyl tert-butyl Ether

Concen: 96.284 ug/l

RT: 5.116 min Scan# 51

Delta R.T. 0.006 min

Lab File: VY023054.D

Acq: 12 Aug 2025 16:25

Instrument :

MSVOA_Y

ClientSampleId :

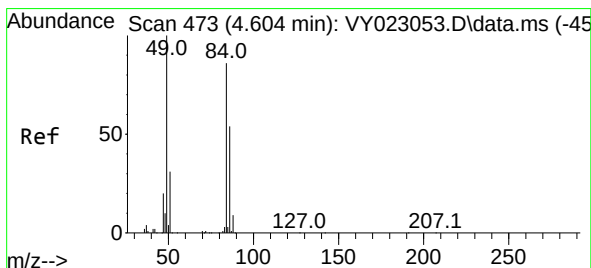
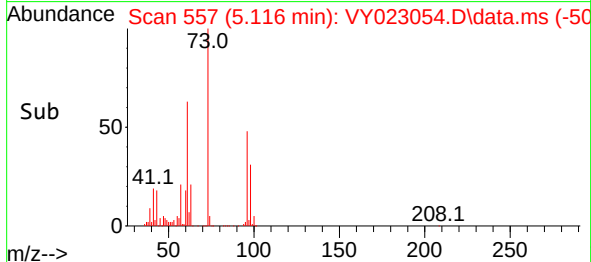
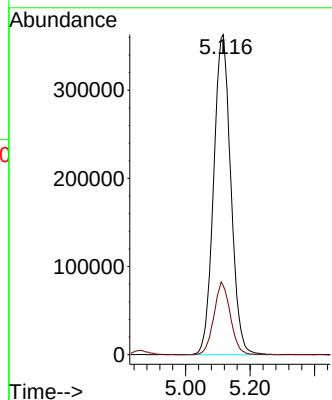
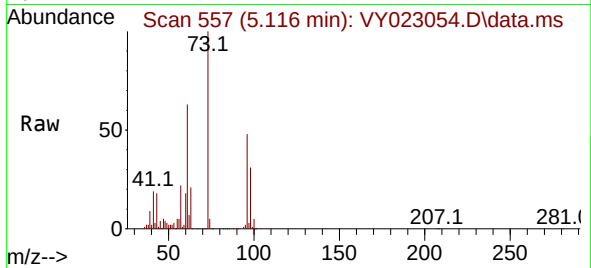
VSTDICC100

Tgt Ion: 73 Resp: 1342237

Ion Ratio Lower Upper

73 100

57 21.5 17.1 25.7



#20

Methylene Chloride

Concen: 97.847 ug/l

RT: 4.610 min Scan# 474

Delta R.T. 0.006 min

Lab File: VY023054.D

Acq: 12 Aug 2025 16:25

Tgt Ion: 84 Resp: 570465

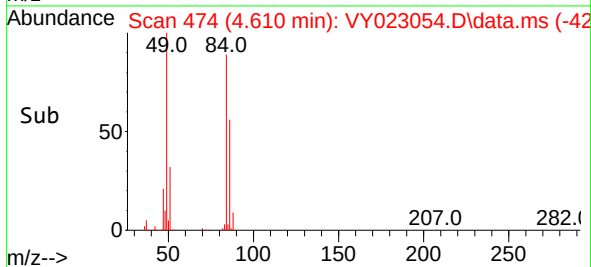
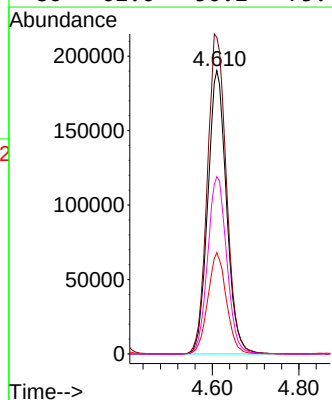
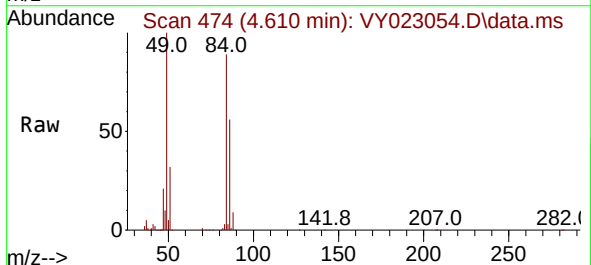
Ion Ratio Lower Upper

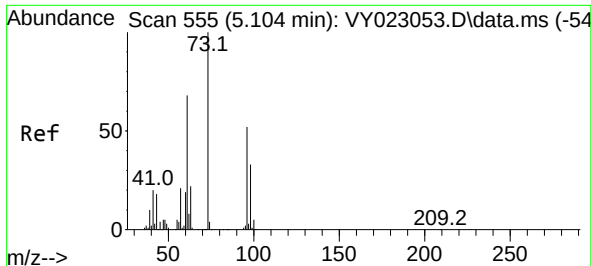
84 100

49 111.7 93.0 139.6

51 35.7 29.0 43.4

86 62.6 50.2 75.4

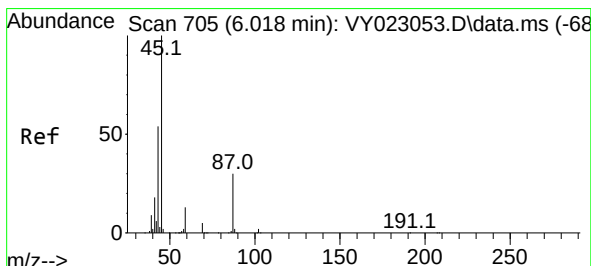
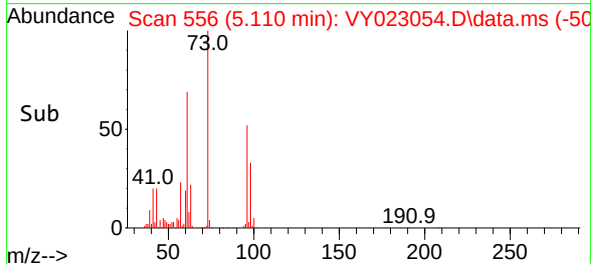
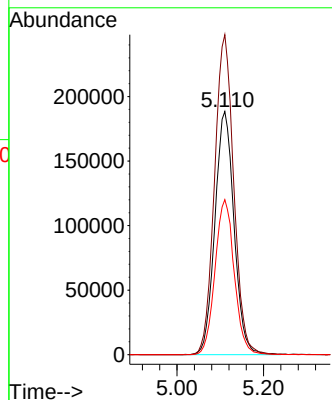
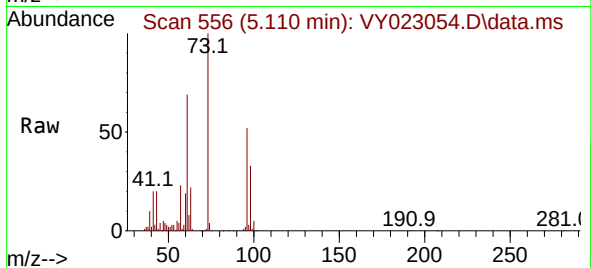




#21
trans-1,2-Dichloroethene
Concen: 96.098 ug/l
RT: 5.110 min Scan# 5110
Delta R.T. 0.006 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

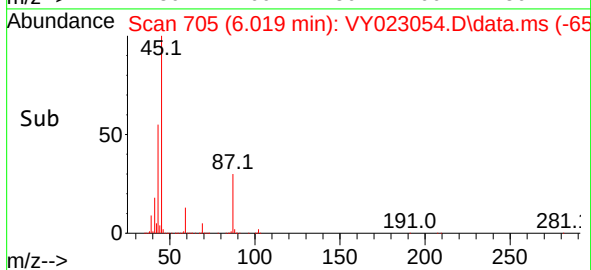
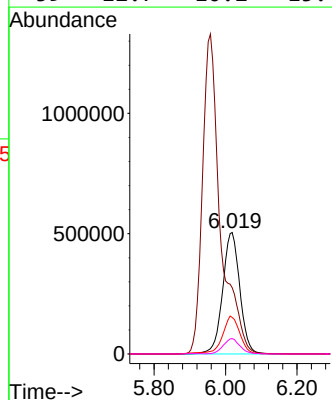
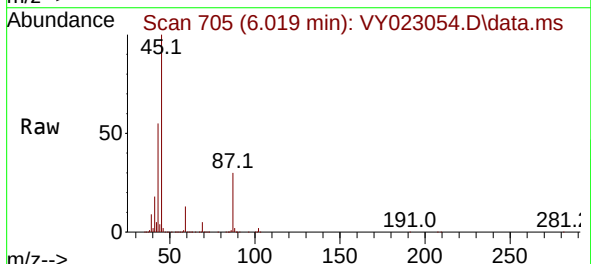
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

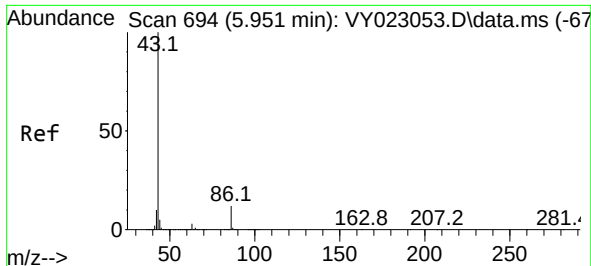
Tgt Ion: 96 Resp: 580972
Ion Ratio Lower Upper
96 100
61 131.5 104.8 157.2
98 63.8 50.1 75.1



#22
Diisopropyl ether
Concen: 98.033 ug/l
RT: 6.019 min Scan# 705
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion: 45 Resp: 1686285
Ion Ratio Lower Upper
45 100
43 54.5 43.4 65.0
87 30.0 24.4 36.6
59 12.7 10.2 15.4

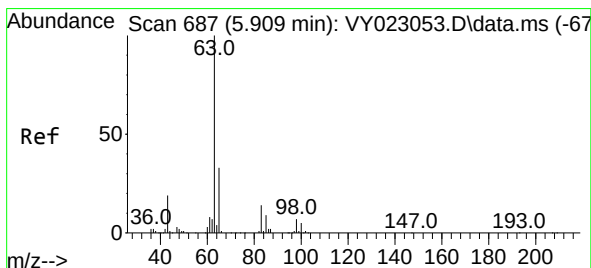
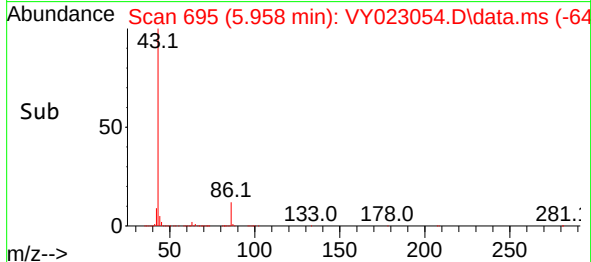
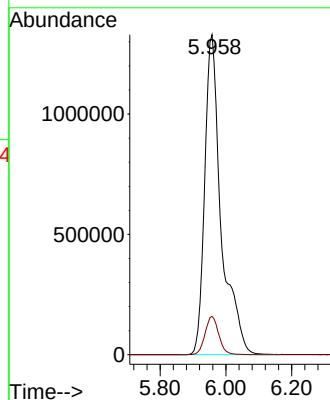
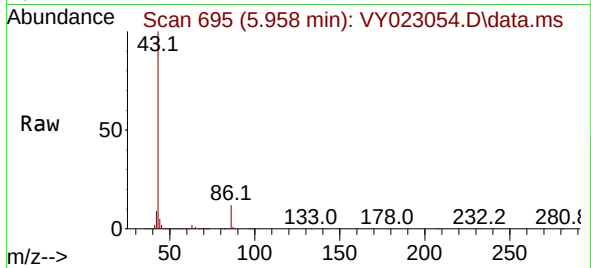




#23
Vinyl Acetate
Concen: 487.023 ug/l
RT: 5.958 min Scan# 694
Delta R.T. 0.006 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

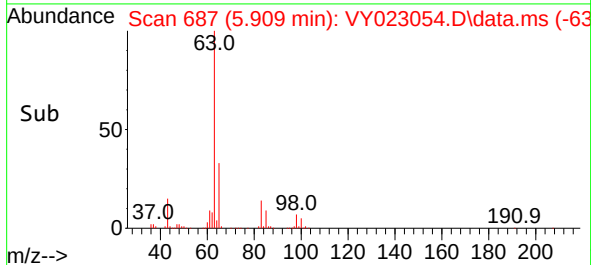
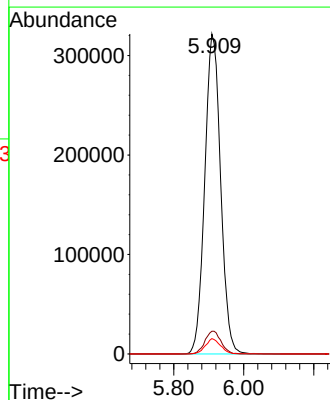
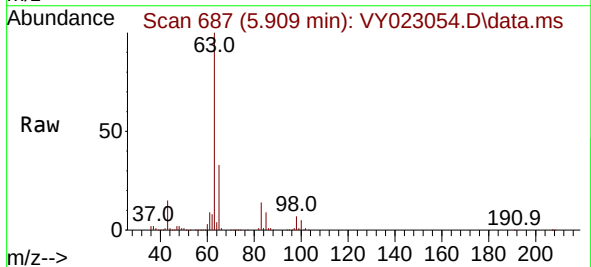
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

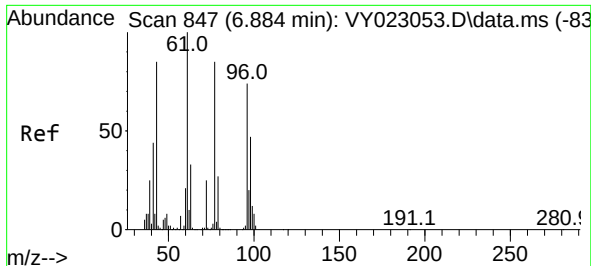
Tgt Ion: 43 Resp: 4632278
Ion Ratio Lower Upper
43 100
86 11.9 9.6 14.4



#24
1,1-Dichloroethane
Concen: 96.306 ug/l
RT: 5.909 min Scan# 687
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion: 63 Resp: 1012815
Ion Ratio Lower Upper
63 100
98 7.1 3.5 10.6
100 4.8 2.4 7.1





#25

2-Butanone

Concen: 460.899 ug/l

RT: 6.890 min Scan# 847

Delta R.T. 0.006 min

Lab File: VY023054.D

Acq: 12 Aug 2025 16:25

Instrument :

MSVOA_Y

ClientSampleId :

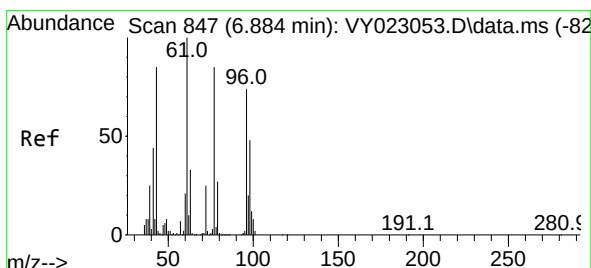
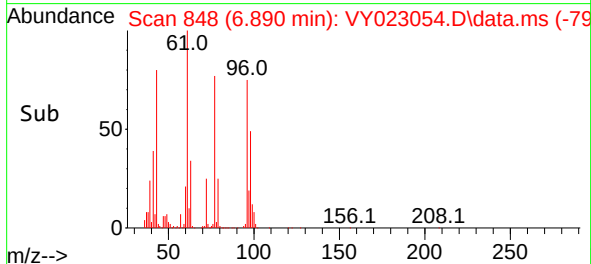
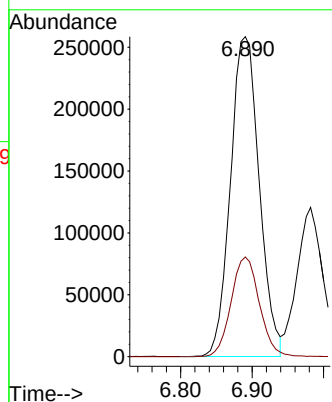
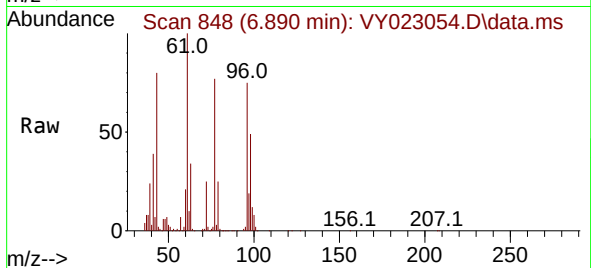
VSTDICC100

Tgt Ion: 43 Resp: 722555

Ion Ratio Lower Upper

43 100

72 31.2 23.5 35.3



#26

2,2-Dichloropropane

Concen: 95.497 ug/l

RT: 6.878 min Scan# 846

Delta R.T. -0.006 min

Lab File: VY023054.D

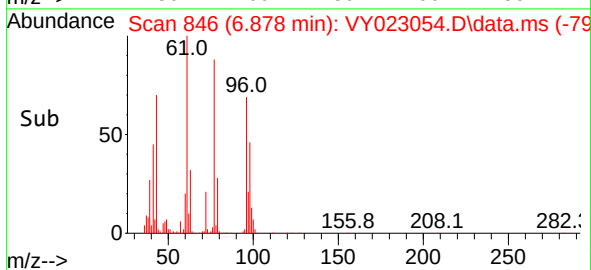
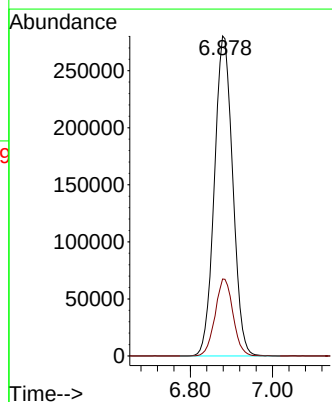
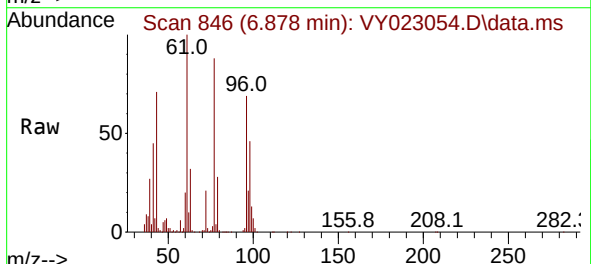
Acq: 12 Aug 2025 16:25

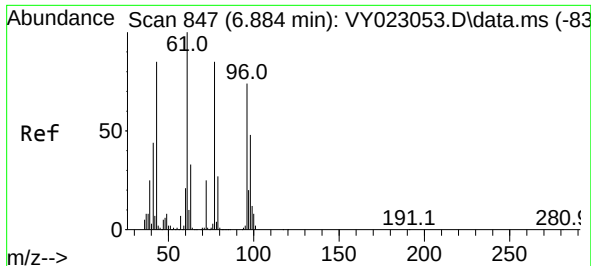
Tgt Ion: 77 Resp: 866598

Ion Ratio Lower Upper

77 100

97 23.6 11.6 34.8





#27

cis-1,2-Dichloroethene

Concen: 97.472 ug/l

RT: 6.884 min Scan# 847

Delta R.T. 0.000 min

Lab File: VY023054.D

Acq: 12 Aug 2025 16:25

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

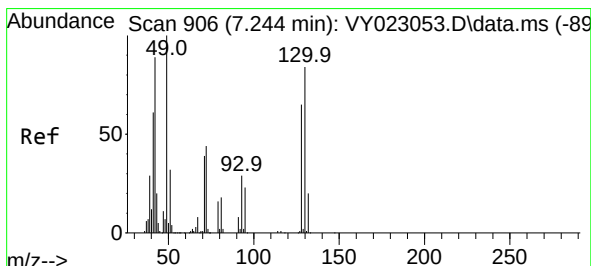
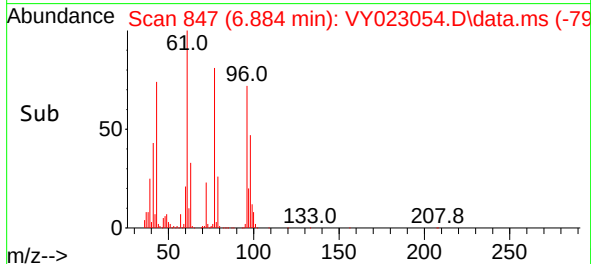
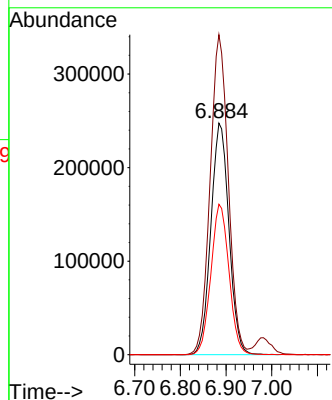
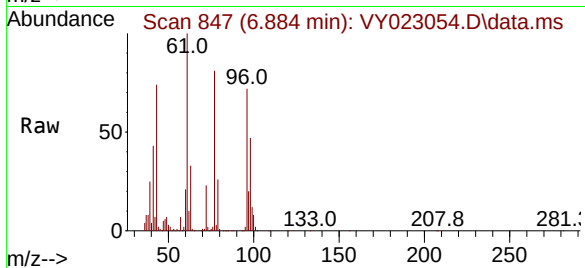
Tgt Ion: 96 Resp: 681242

Ion Ratio Lower Upper

96 100

61 138.6 0.0 278.6

98 65.0 0.0 130.4



#28

Bromochloromethane

Concen: 98.188 ug/l

RT: 7.244 min Scan# 906

Delta R.T. 0.000 min

Lab File: VY023054.D

Acq: 12 Aug 2025 16:25

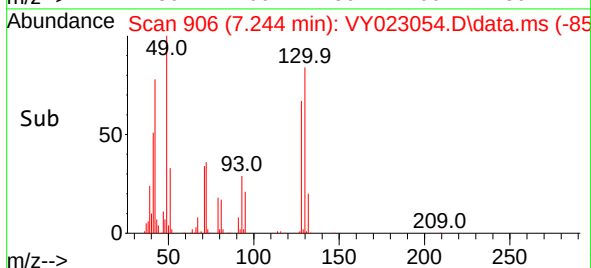
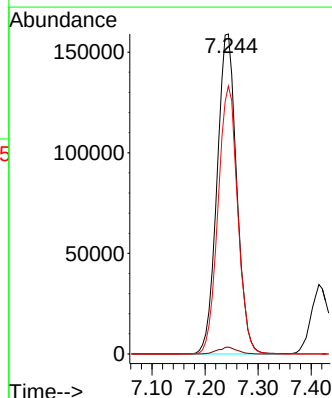
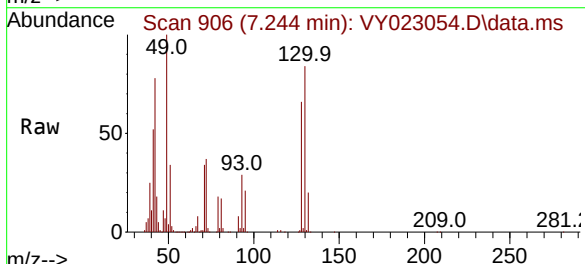
Tgt Ion: 49 Resp: 409677

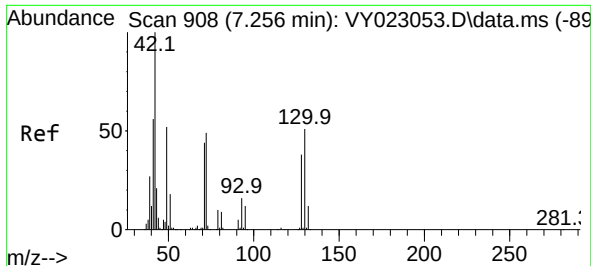
Ion Ratio Lower Upper

49 100

129 2.1 0.0 4.2

130 83.4 66.4 99.6





#29

Tetrahydrofuran

Concen: 464.370 ug/l

RT: 7.256 min Scan# 908

Delta R.T. 0.000 min

Lab File: VY023054.D

Acq: 12 Aug 2025 16:25

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

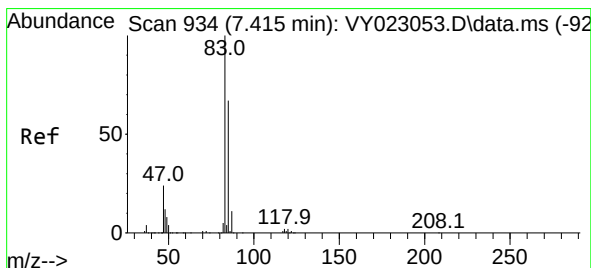
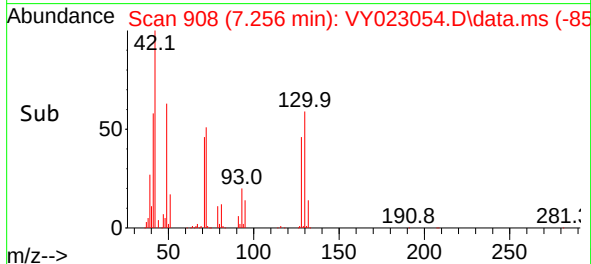
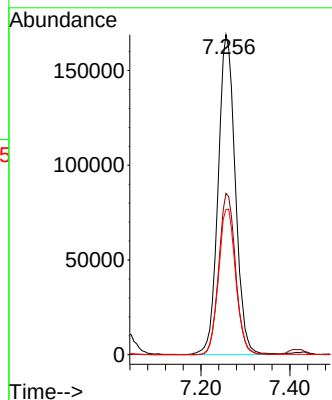
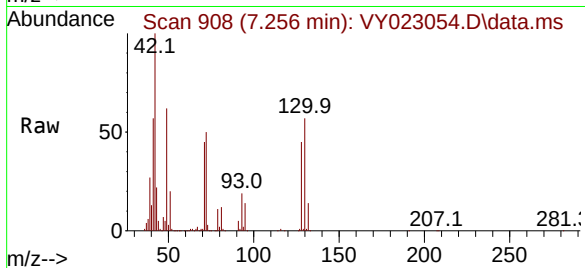
Tgt Ion: 42 Resp: 451254

Ion Ratio Lower Upper

42 100

72 49.4 39.4 59.2

71 45.8 36.5 54.7



#30

Chloroform

Concen: 96.383 ug/l

RT: 7.415 min Scan# 934

Delta R.T. 0.000 min

Lab File: VY023054.D

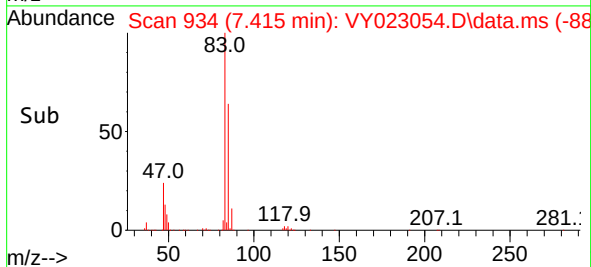
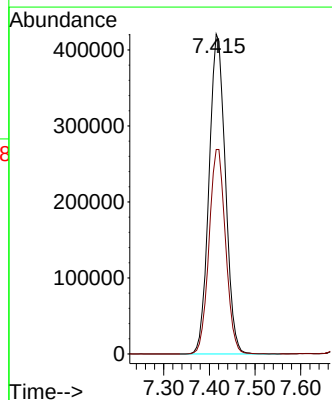
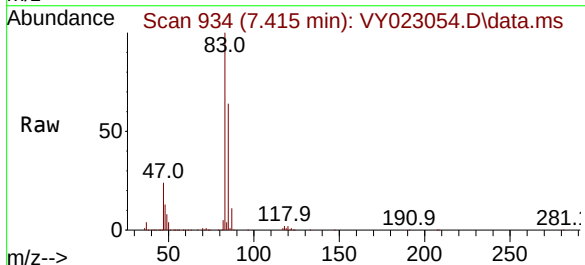
Acq: 12 Aug 2025 16:25

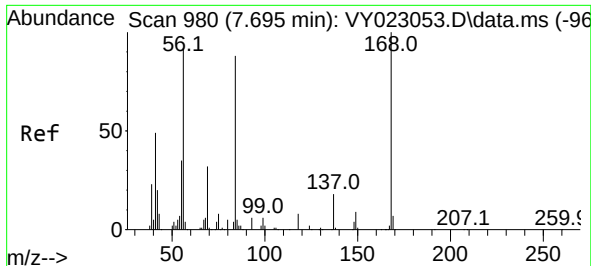
Tgt Ion: 83 Resp: 1045381

Ion Ratio Lower Upper

83 100

85 63.9 53.8 80.8

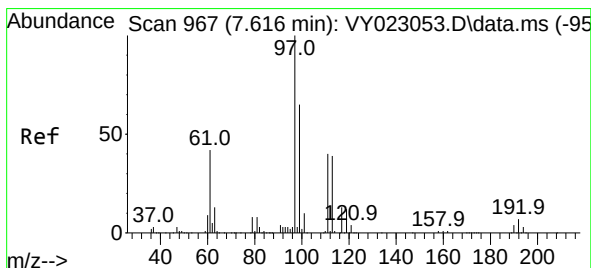
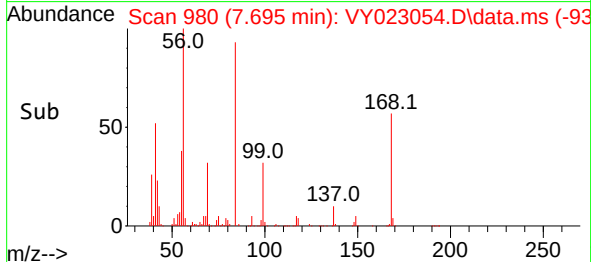
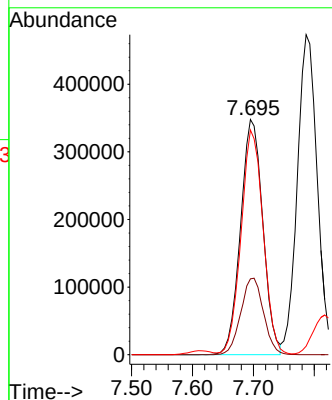
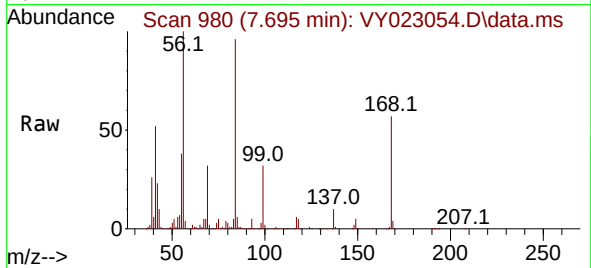




#31
Cyclohexane
Concen: 89.271 ug/l
RT: 7.695 min Scan# 980
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

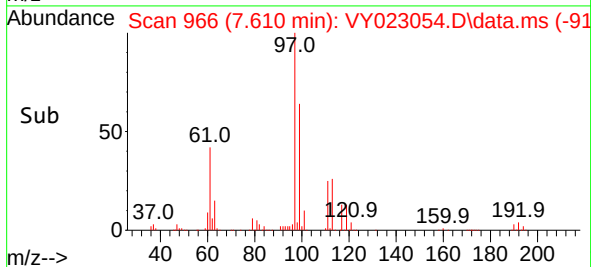
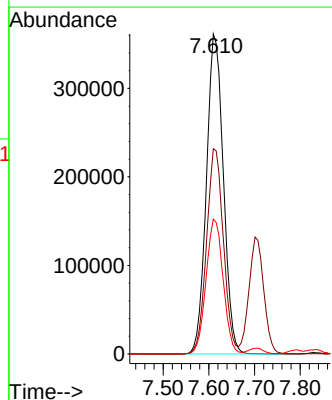
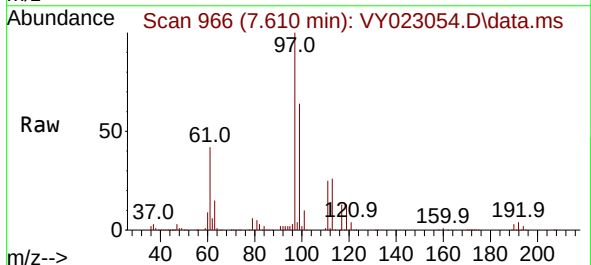
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

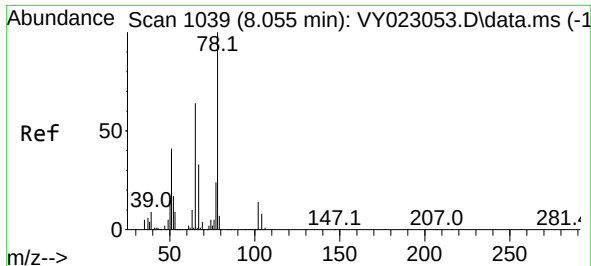
Tgt Ion: 56 Resp: 884707
Ion Ratio Lower Upper
56 100
69 32.3 28.2 42.2
84 95.2 76.6 114.8



#32
1,1,1-Trichloroethane
Concen: 96.620 ug/l
RT: 7.610 min Scan# 966
Delta R.T. -0.006 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion: 97 Resp: 929858
Ion Ratio Lower Upper
97 100
99 63.9 51.6 77.4
61 42.5 34.2 51.2





#33

1,2-Dichloroethane-d4

Concen: 99.115 ug/l

RT: 8.061 min Scan# 110

Delta R.T. 0.006 min

Lab File: VY023054.D

Acq: 12 Aug 2025 16:25

Instrument :

MSVOA_Y

ClientSampleId :

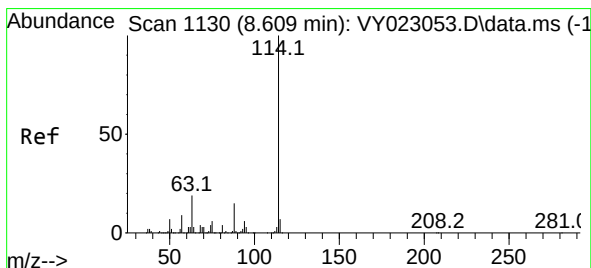
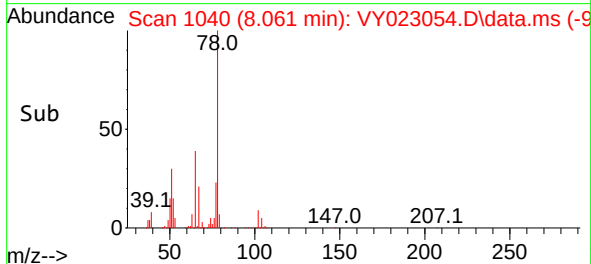
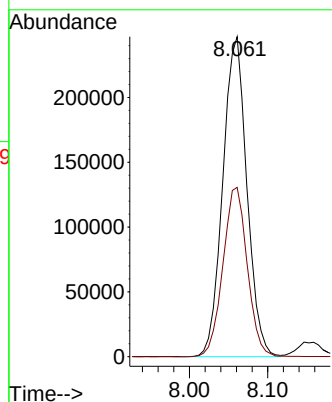
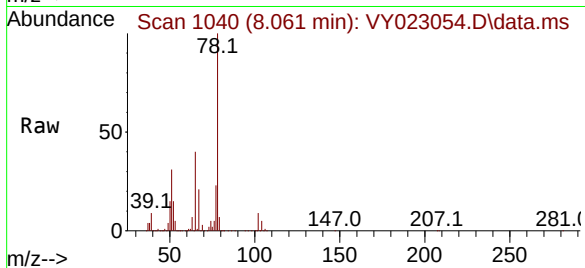
VSTDIC100

Tgt Ion: 65 Resp: 527356

Ion Ratio Lower Upper

65 100

67 53.5 0.0 106.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.610 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VY023054.D

Acq: 12 Aug 2025 16:25

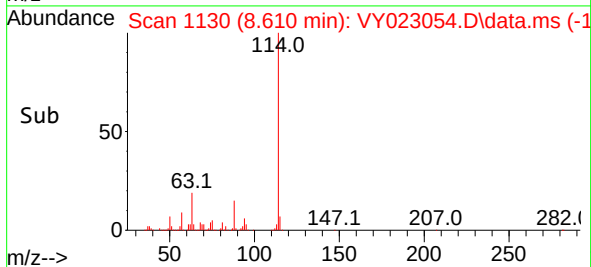
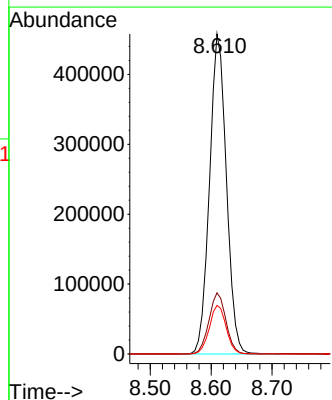
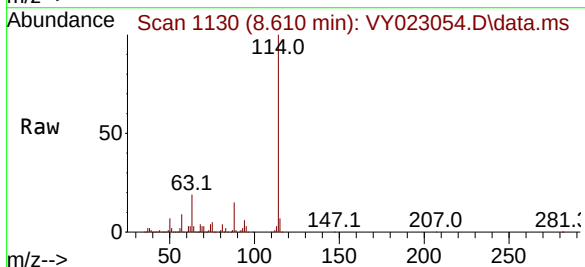
Tgt Ion: 114 Resp: 880463

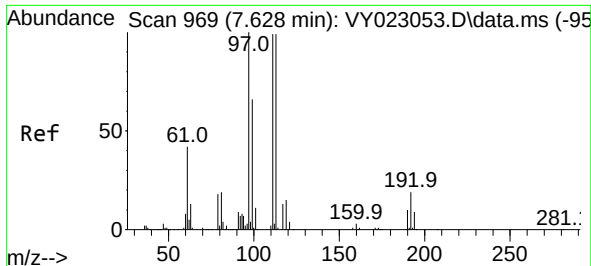
Ion Ratio Lower Upper

114 100

63 19.1 0.0 38.4

88 15.2 0.0 30.0

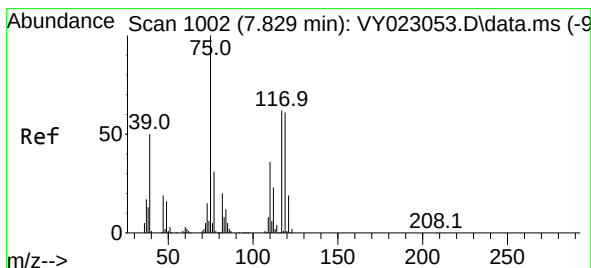
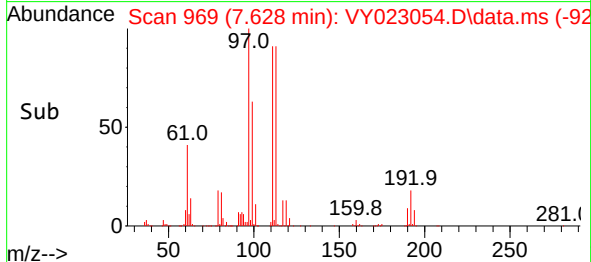
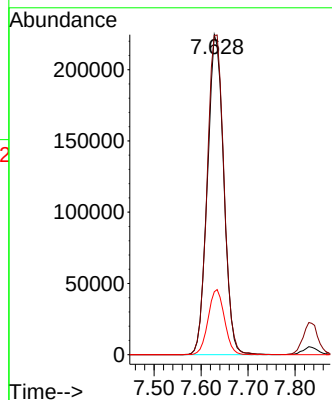
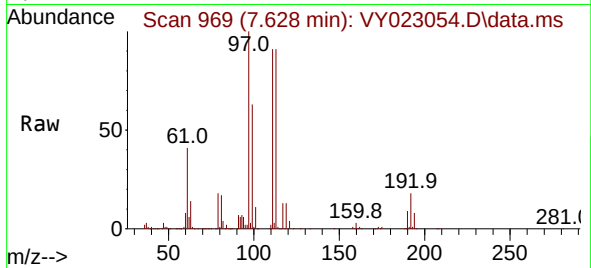




#35
Dibromofluoromethane
Concen: 102.518 ug/l
RT: 7.628 min Scan# 969
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

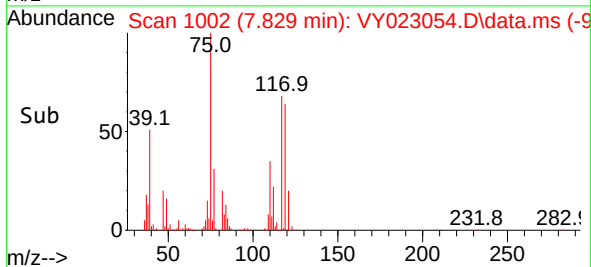
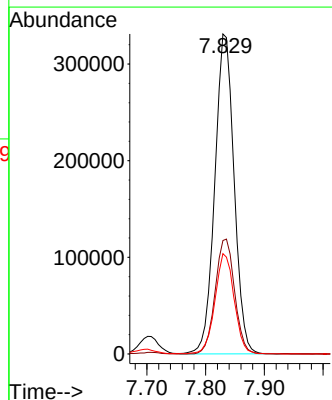
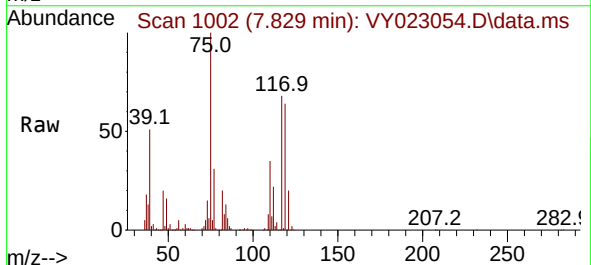
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

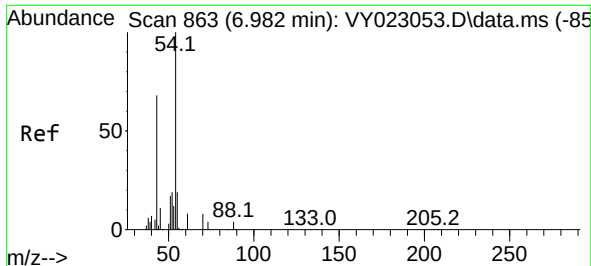
Tgt Ion:113 Resp: 540106
Ion Ratio Lower Upper
113 100
111 102.6 81.1 121.7
192 20.4 16.2 24.4



#36
1,1-Dichloropropene
Concen: 96.443 ug/l
RT: 7.829 min Scan# 1002
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion: 75 Resp: 755114
Ion Ratio Lower Upper
75 100
110 36.1 18.1 54.4
77 31.3 24.6 37.0





#37

Ethyl Acetate

Concen: 95.302 ug/l

RT: 6.982 min Scan# 80

Delta R.T. 0.000 min

Lab File: VY023054.D

Acq: 12 Aug 2025 16:25

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

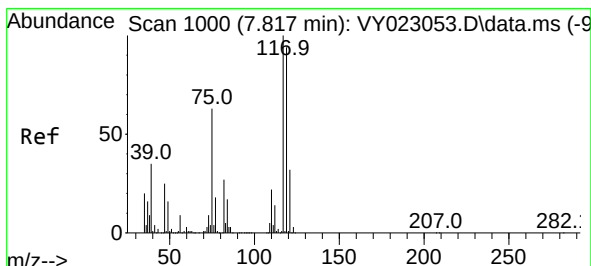
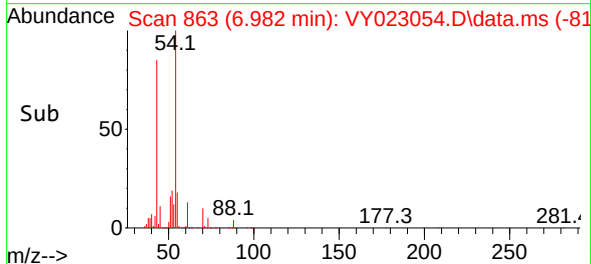
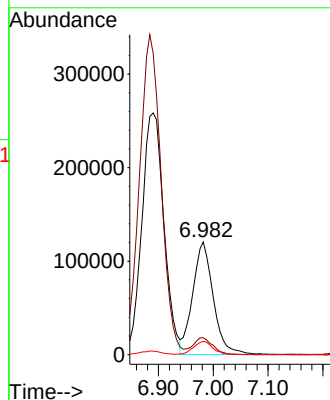
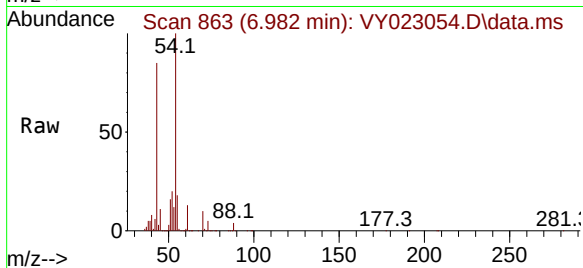
Tgt Ion: 43 Resp: 313447

Ion Ratio Lower Upper

43 100

61 14.1 11.9 17.9

70 11.2 8.8 13.2



#38

Carbon Tetrachloride

Concen: 96.419 ug/l

RT: 7.811 min Scan# 999

Delta R.T. -0.006 min

Lab File: VY023054.D

Acq: 12 Aug 2025 16:25

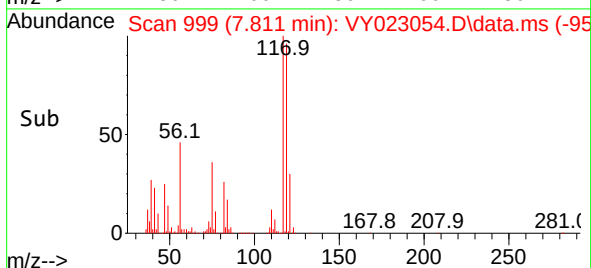
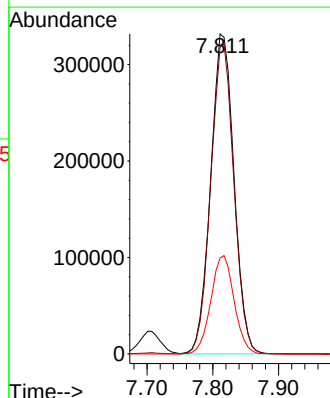
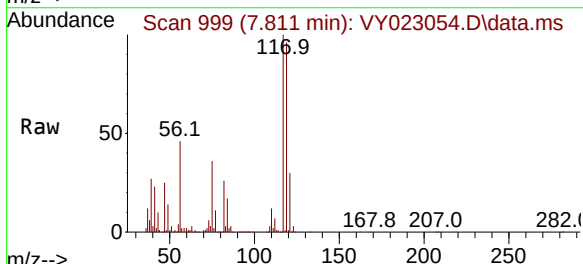
Tgt Ion: 117 Resp: 819941

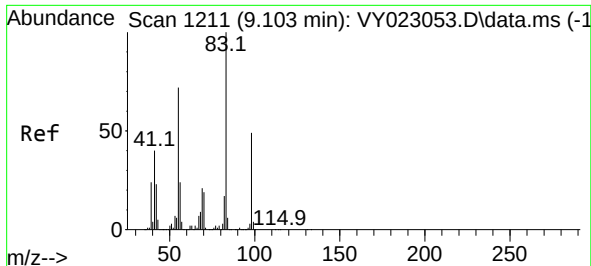
Ion Ratio Lower Upper

117 100

119 95.8 75.6 113.4

121 30.0 25.8 38.8





#39

Methylcyclohexane

Concen: 98.146 ug/l

RT: 9.103 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY023054.D

Acq: 12 Aug 2025 16:25

Instrument :

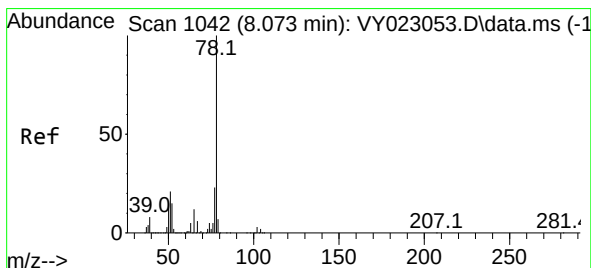
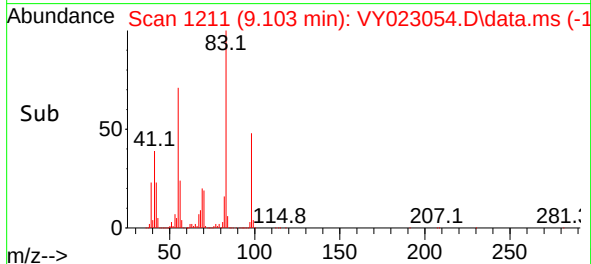
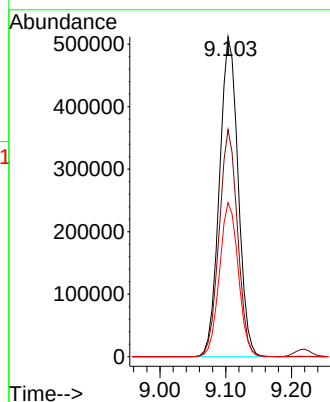
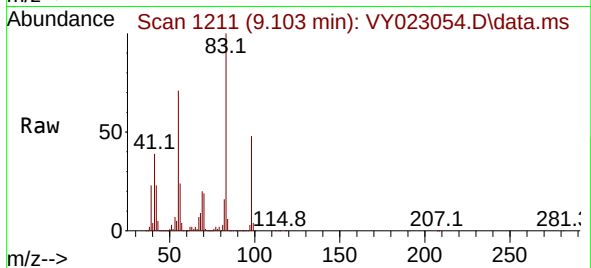
MSVOA_Y

ClientSampleId :

VSTDICC100

Tgt Ion: 83 Resp: 1011944

Ion	Ratio	Lower	Upper
83	100		
55	70.9	57.6	86.4
98	48.2	39.2	58.8



#40

Benzene

Concen: 97.324 ug/l

RT: 8.073 min Scan# 1042

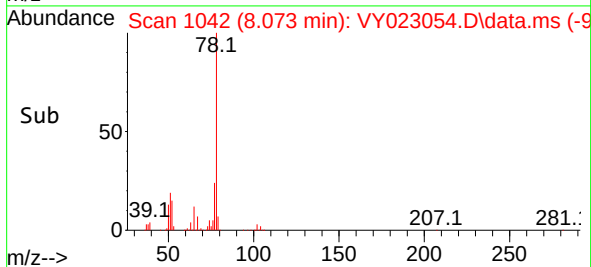
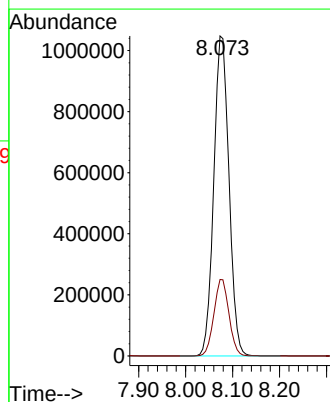
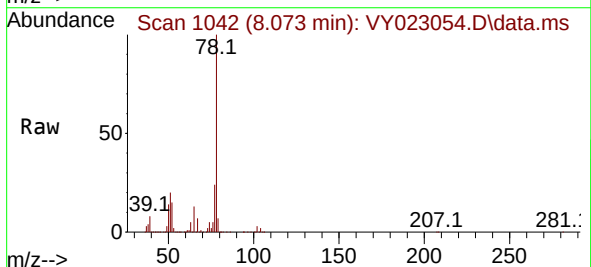
Delta R.T. 0.000 min

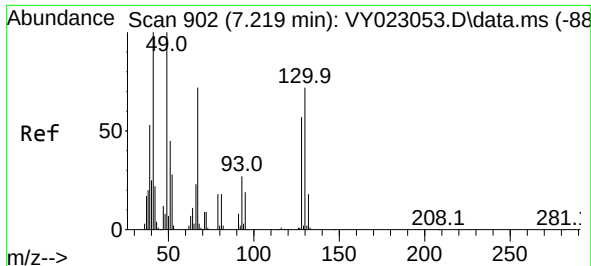
Lab File: VY023054.D

Acq: 12 Aug 2025 16:25

Tgt Ion: 78 Resp: 2348617

Ion	Ratio	Lower	Upper
78	100		
77	23.9	18.6	28.0



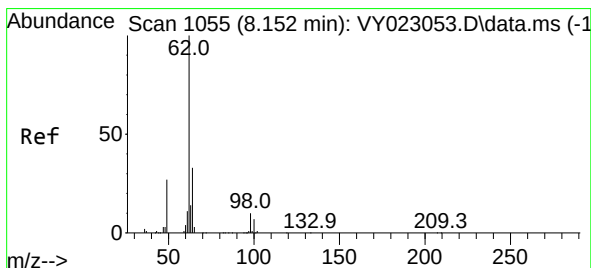
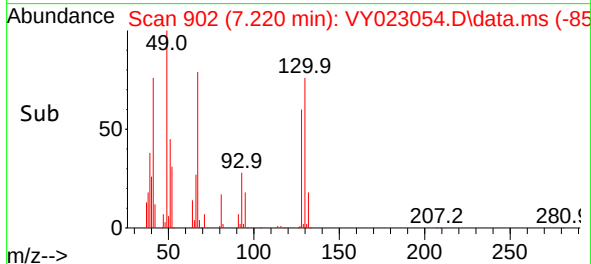
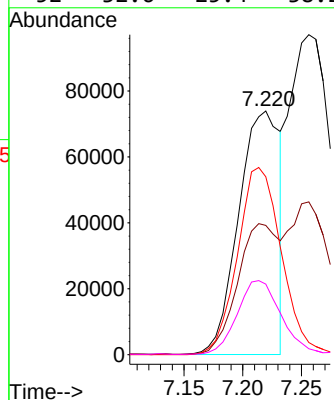
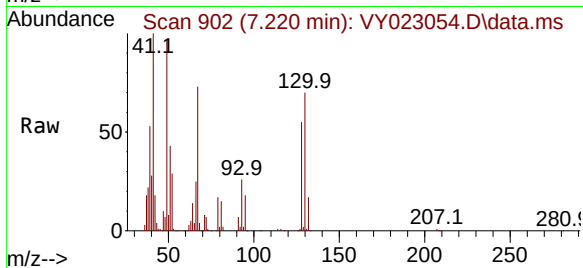


#41
Methacrylonitrile
Concen: 94.973 ug/l
RT: 7.220 min Scan# 902
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 41 Resp: 180468

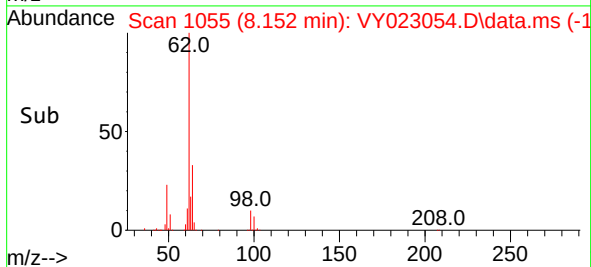
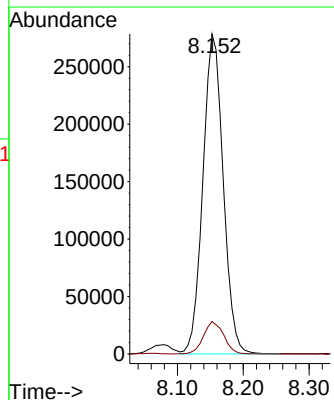
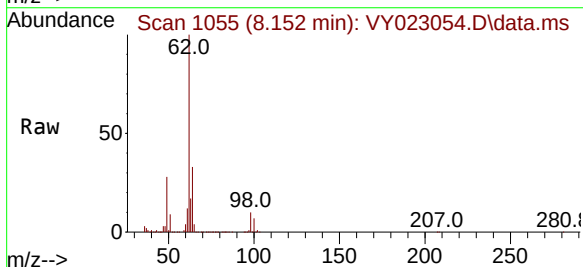
Ion	Ratio	Lower	Upper
41	100		
39	53.8	43.4	65.2
67	82.3	63.6	95.4
52	32.6	25.4	38.2

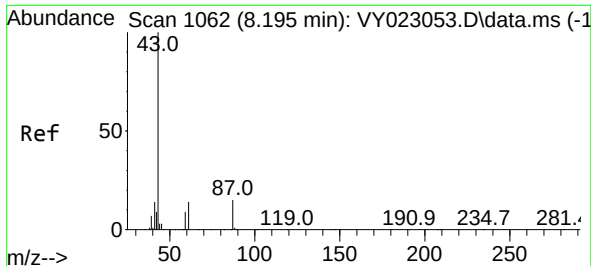


#42
1,2-Dichloroethane
Concen: 95.155 ug/l
RT: 8.152 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion: 62 Resp: 597215

Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	20.6

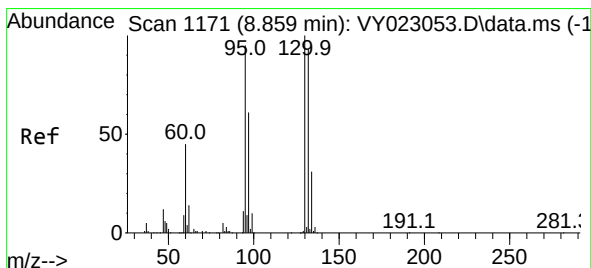
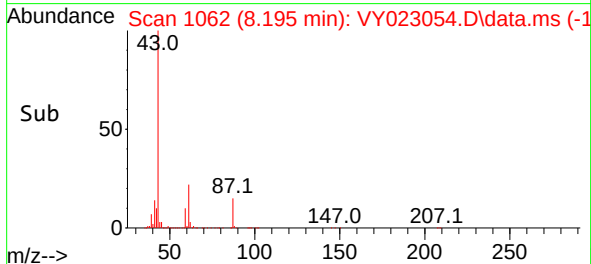
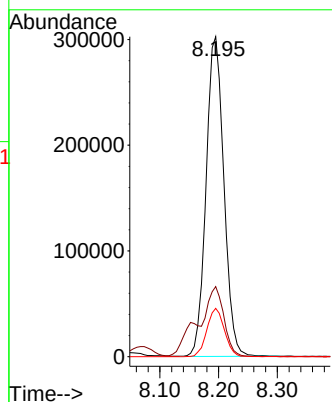
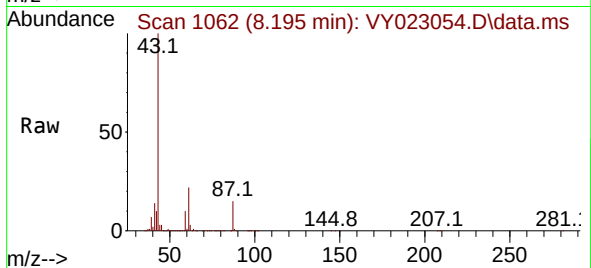




#43
Isopropyl Acetate
Concen: 95.780 ug/l
RT: 8.195 min Scan# 1062
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

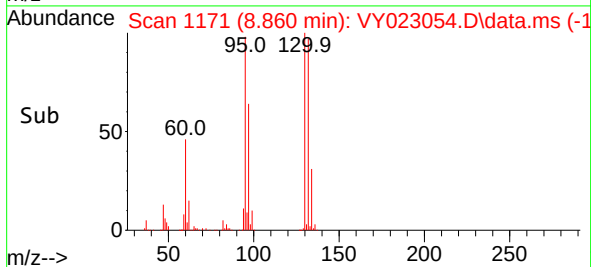
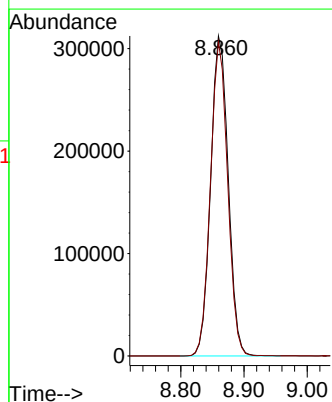
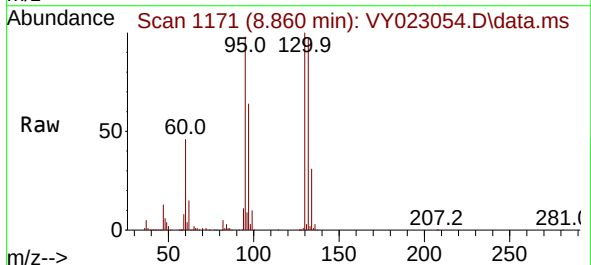
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

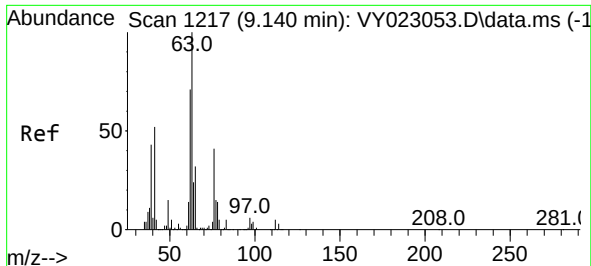
Tgt Ion: 43 Resp: 636710
Ion Ratio Lower Upper
43 100
61 21.0 16.4 24.6
87 14.9 11.8 17.6



#44
Trichloroethene
Concen: 96.584 ug/l
RT: 8.860 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion: 130 Resp: 602322
Ion Ratio Lower Upper
130 100
95 98.1 0.0 190.2





#45

1,2-Dichloropropane

Concen: 97.899 ug/l

RT: 9.140 min Scan# 1217

Delta R.T. 0.000 min

Lab File: VY023054.D

Acq: 12 Aug 2025 16:25

Instrument :

MSVOA_Y

ClientSampleId :

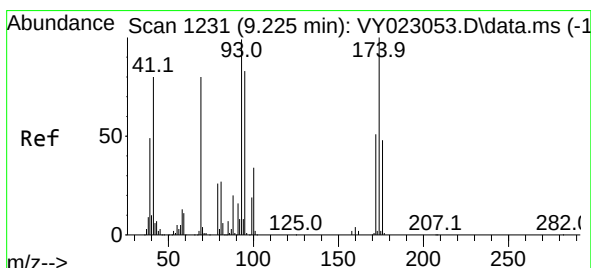
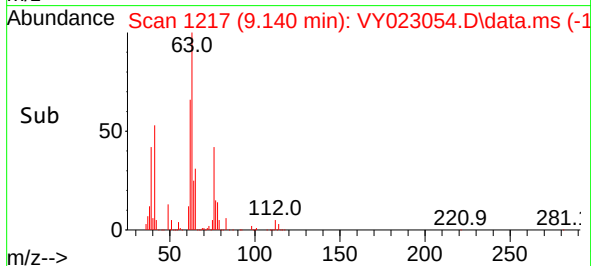
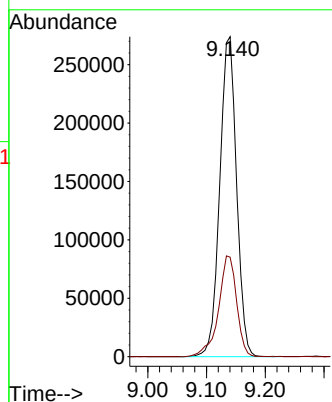
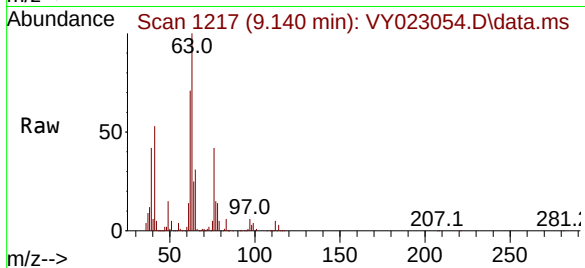
VSTDICC100

Tgt Ion: 63 Resp: 543589

Ion Ratio Lower Upper

63 100

65 31.1 25.3 37.9



#46

Dibromomethane

Concen: 97.052 ug/l

RT: 9.225 min Scan# 1231

Delta R.T. 0.000 min

Lab File: VY023054.D

Acq: 12 Aug 2025 16:25

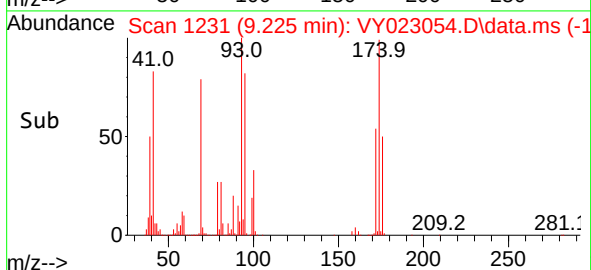
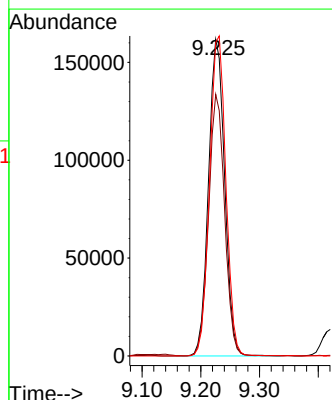
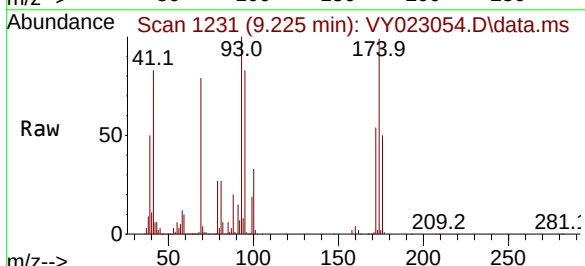
Tgt Ion: 93 Resp: 309302

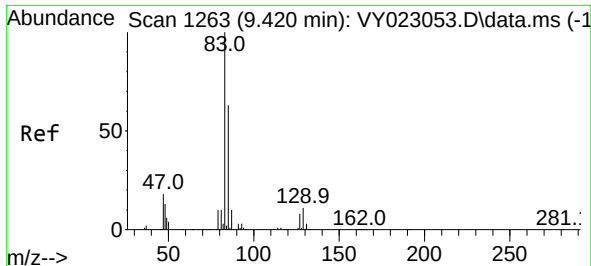
Ion Ratio Lower Upper

93 100

95 81.8 66.5 99.7

174 101.9 81.8 122.8

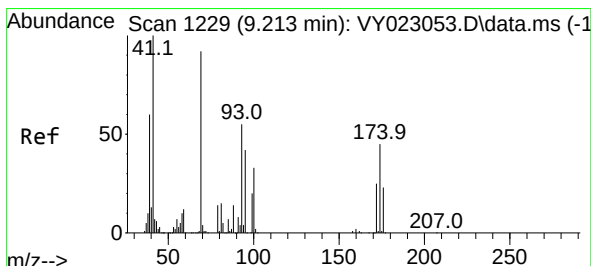
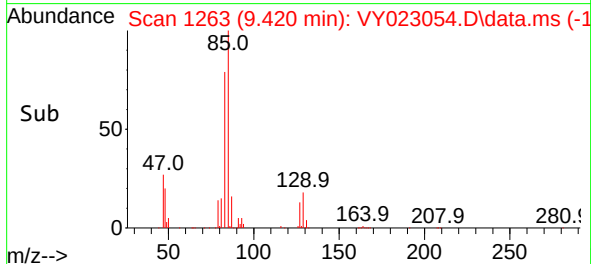
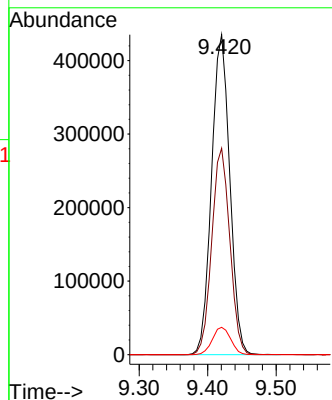
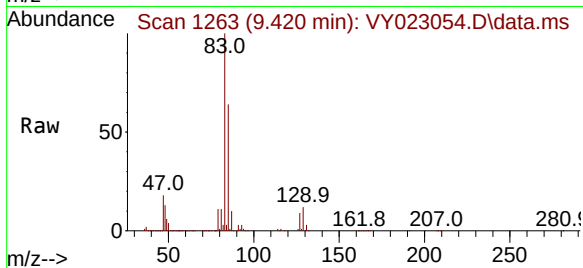




#47
Bromodichloromethane
Concen: 97.864 ug/l
RT: 9.420 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

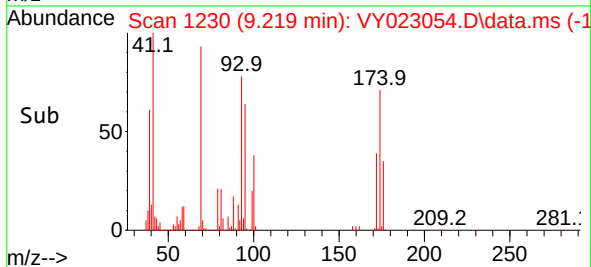
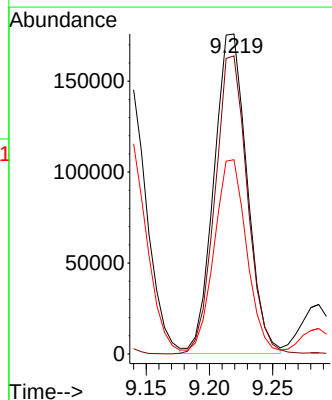
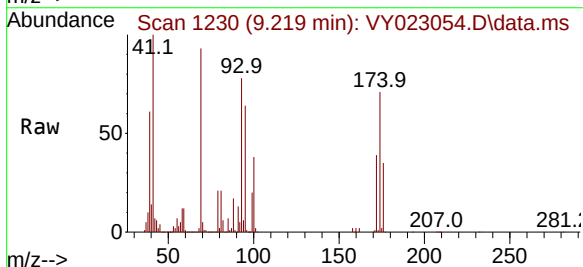
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

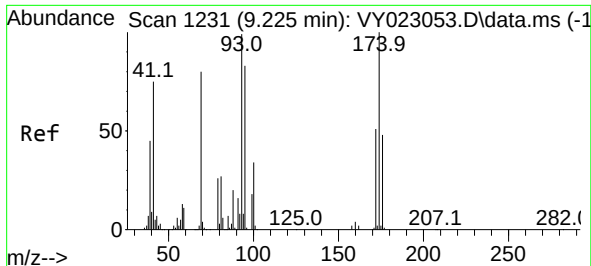
Tgt Ion: 83 Resp: 802532
Ion Ratio Lower Upper
83 100
85 64.5 50.2 75.4
127 8.5 6.6 10.0



#48
Methyl methacrylate
Concen: 100.567 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.006 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion: 41 Resp: 319906
Ion Ratio Lower Upper
41 100
69 91.4 73.2 109.8
39 57.6 47.0 70.4





#49

1,4-Dioxane

Concen: 1908.039 ug/l

RT: 9.225 min Scan# 1231

Delta R.T. 0.000 min

Lab File: VY023054.D

Acq: 12 Aug 2025 16:25

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

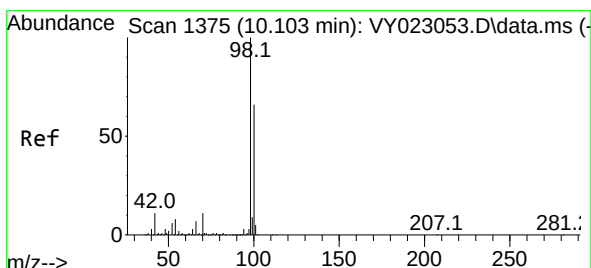
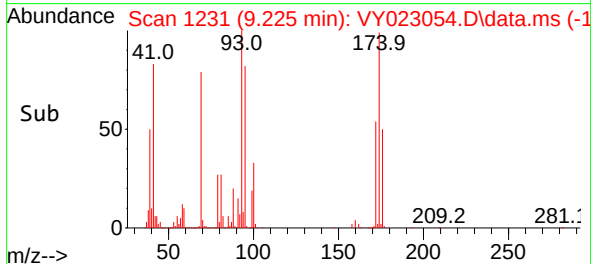
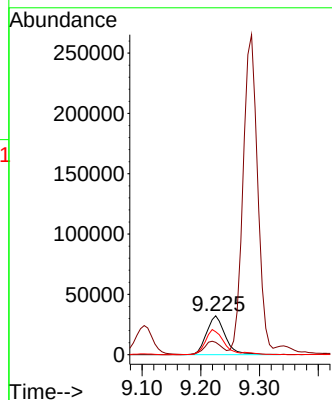
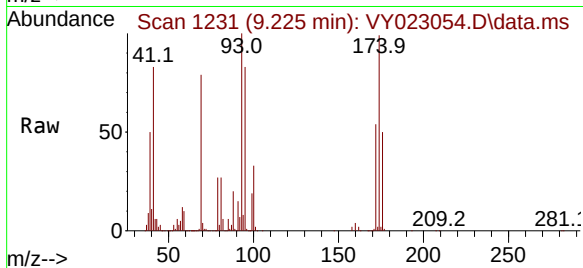
Tgt Ion: 88 Resp: 71300

Ion Ratio Lower Upper

88 100

43 30.6 24.3 36.5

58 62.4 55.4 83.0



#50

Toluene-d8

Concen: 102.832 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. 0.000 min

Lab File: VY023054.D

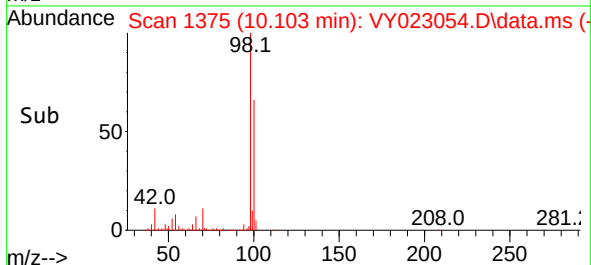
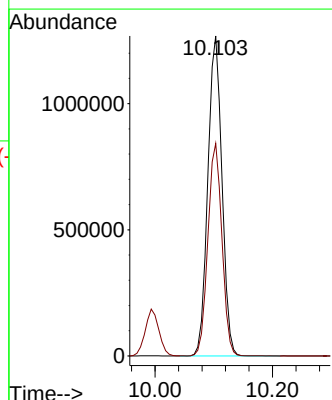
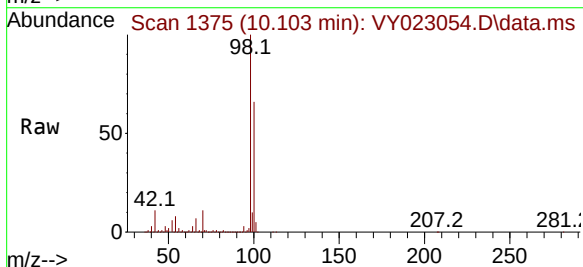
Acq: 12 Aug 2025 16:25

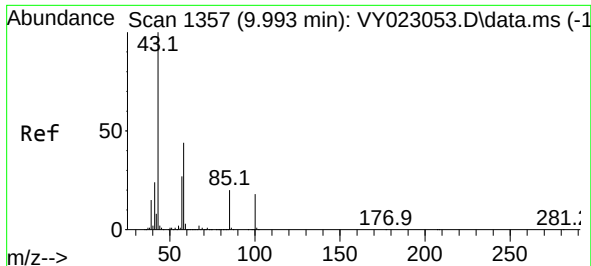
Tgt Ion: 98 Resp: 2116445

Ion Ratio Lower Upper

98 100

100 66.1 52.3 78.5





#51

4-Methyl-2-Pentanone

Concen: 486.924 ug/l

RT: 9.994 min Scan# 1357

Delta R.T. 0.000 min

Lab File: VY023054.D

Acq: 12 Aug 2025 16:25

Instrument :

MSVOA_Y

ClientSampleId :

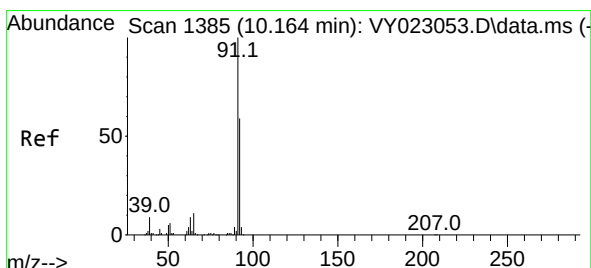
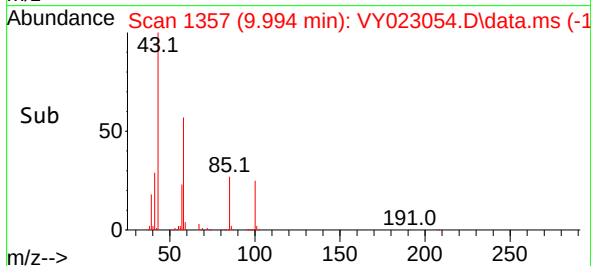
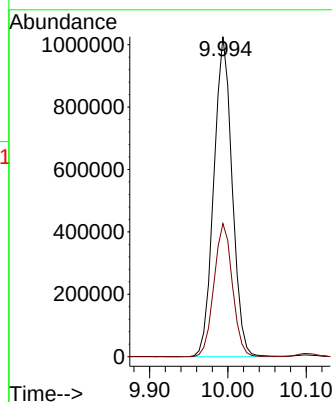
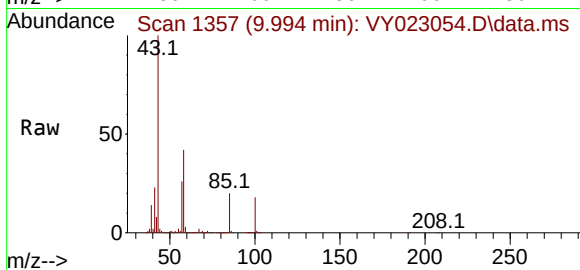
VSTDICC100

Tgt Ion: 43 Resp: 1669668

Ion Ratio Lower Upper

43 100

58 41.8 33.5 50.3



#52

Toluene

Concen: 100.288 ug/l

RT: 10.164 min Scan# 1385

Delta R.T. 0.000 min

Lab File: VY023054.D

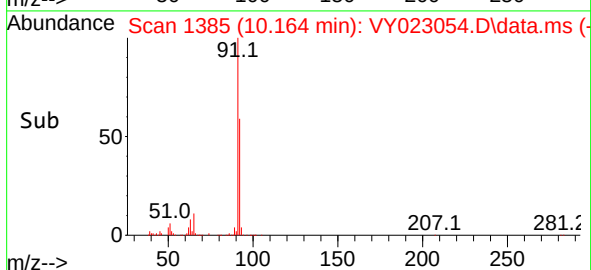
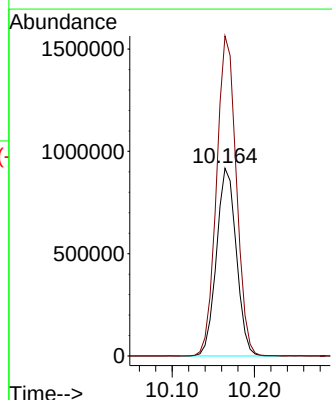
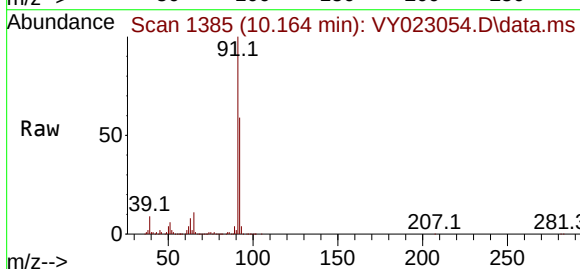
Acq: 12 Aug 2025 16:25

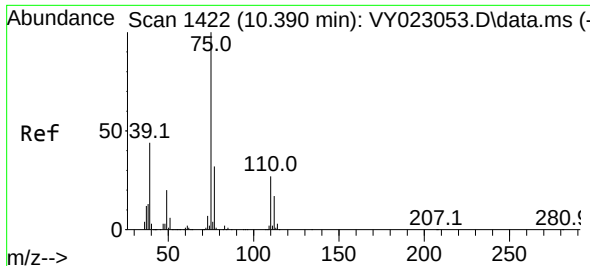
Tgt Ion: 92 Resp: 1537088

Ion Ratio Lower Upper

92 100

91 170.5 136.4 204.6

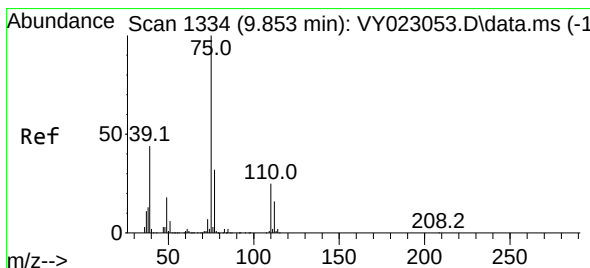
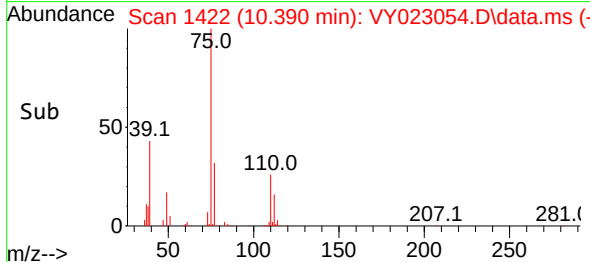
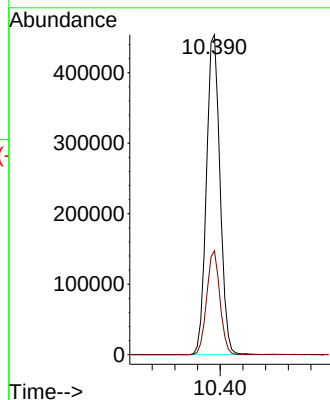
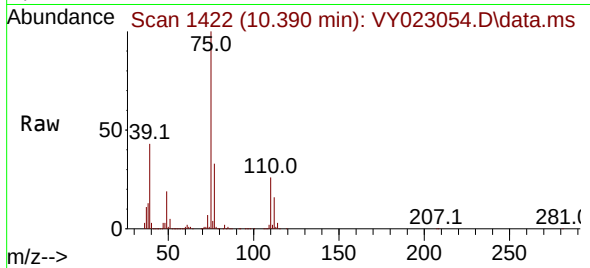




#53
t-1,3-Dichloropropene
Concen: 101.574 ug/l
RT: 10.390 min Scan# 1422
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

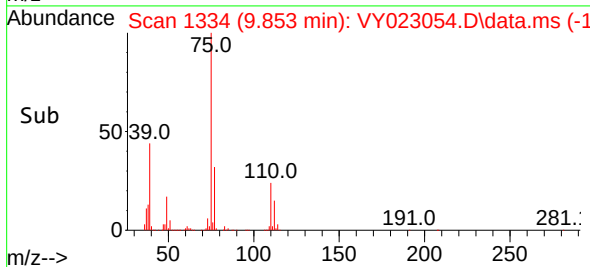
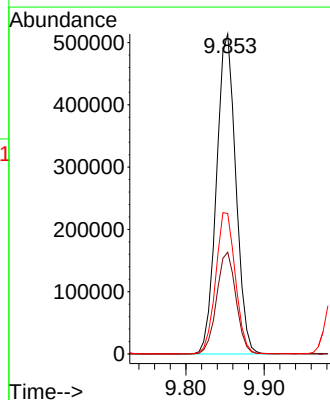
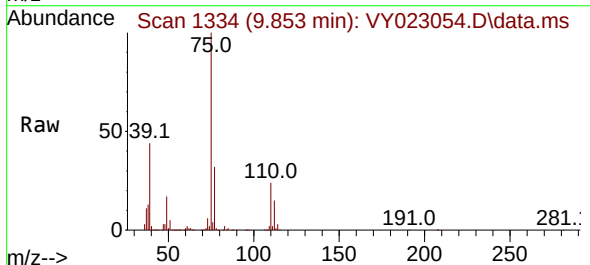
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

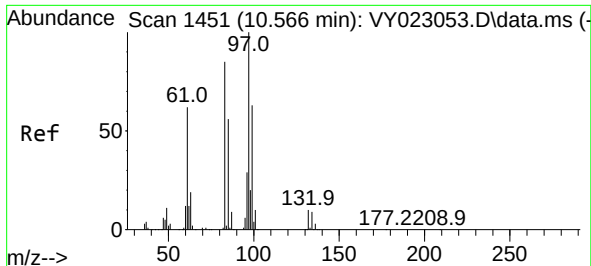
Tgt Ion: 75 Resp: 754278
Ion Ratio Lower Upper
75 100
77 32.5 25.7 38.5



#54
cis-1,3-Dichloropropene
Concen: 100.281 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion: 75 Resp: 880571
Ion Ratio Lower Upper
75 100
77 31.8 25.4 38.0
39 43.9 35.6 53.4



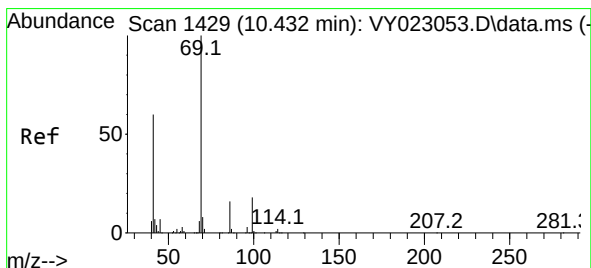
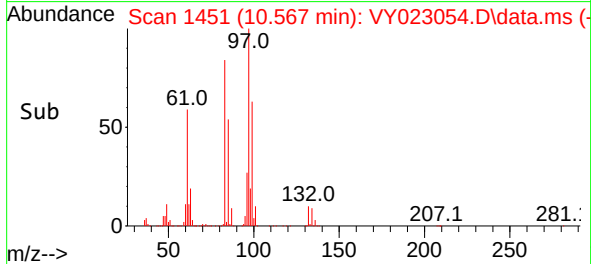
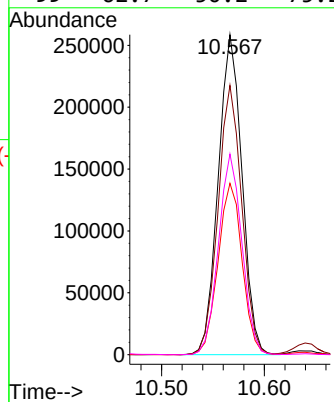
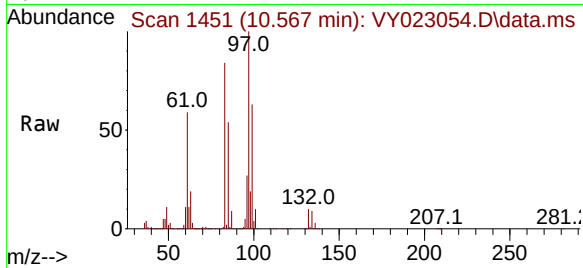


#55
1,1,2-Trichloroethane
Concen: 97.446 ug/l
RT: 10.567 min Scan# 1451
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tgt Ion: 97 Resp: 415556

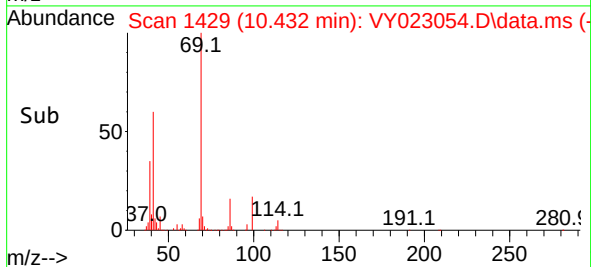
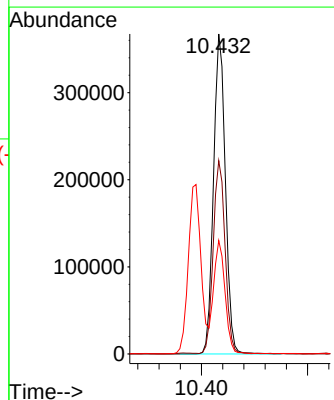
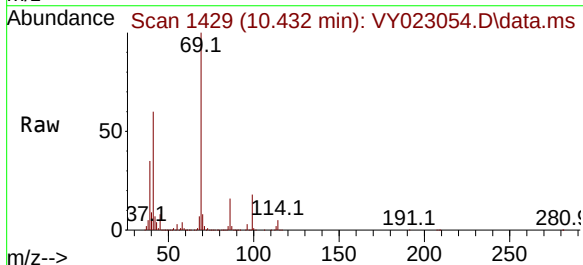
Ion	Ratio	Lower	Upper
97	100		
83	84.2	67.7	101.5
85	53.5	44.5	66.7
99	62.7	50.2	75.2

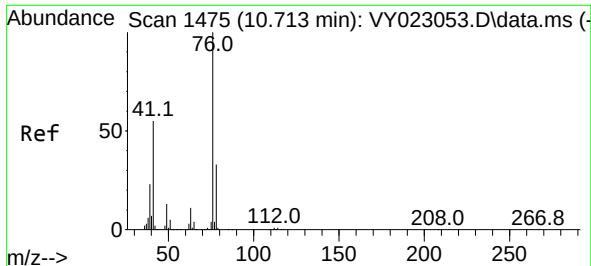


#56
Ethyl methacrylate
Concen: 104.375 ug/l
RT: 10.432 min Scan# 1429
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion: 69 Resp: 569556

Ion	Ratio	Lower	Upper
69	100		
41	60.4	48.6	72.8
39	33.4	27.0	40.4





#57

1,3-Dichloropropane

Concen: 96.253 ug/l

RT: 10.713 min Scan# 1475

Delta R.T. 0.000 min

Lab File: VY023054.D

Acq: 12 Aug 2025 16:25

Instrument :

MSVOA_Y

ClientSampleId :

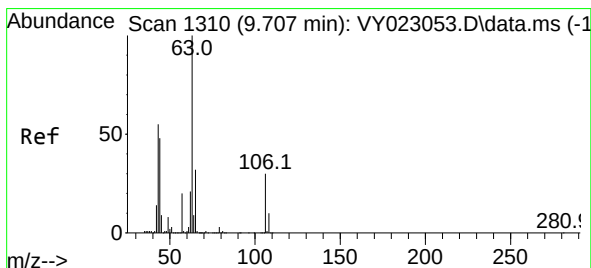
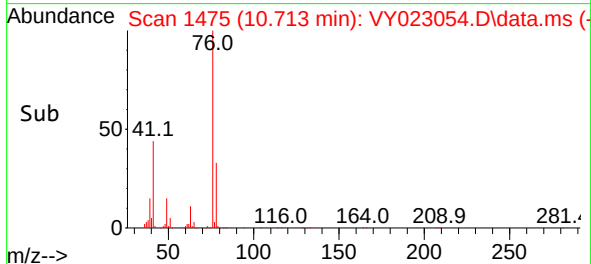
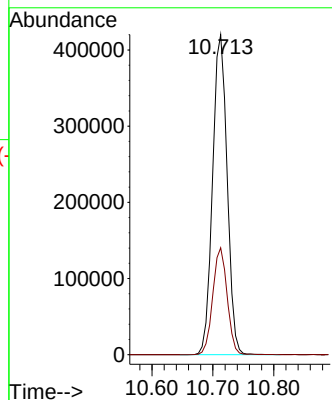
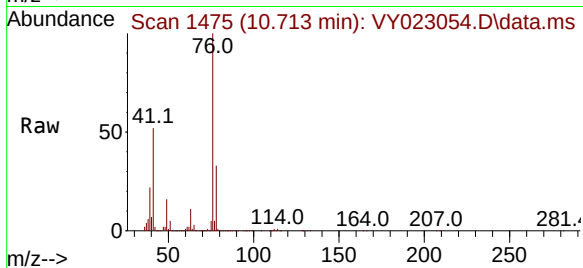
VSTDICC100

Tgt Ion: 76 Resp: 696130

Ion Ratio Lower Upper

76 100

78 33.0 26.0 39.0



#58

2-Chloroethyl Vinyl ether

Concen: 539.957 ug/l

RT: 9.707 min Scan# 1310

Delta R.T. 0.000 min

Lab File: VY023054.D

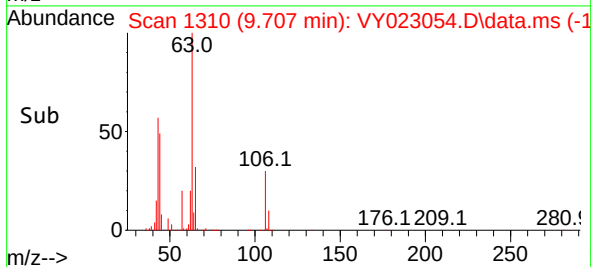
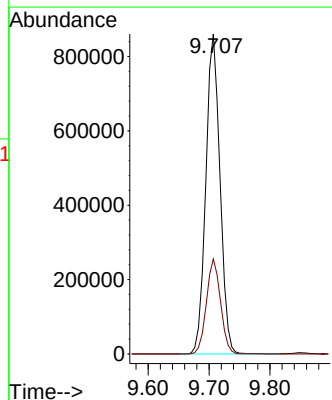
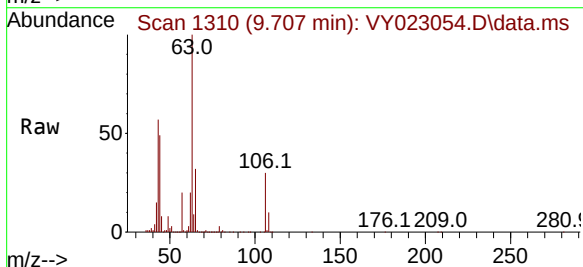
Acq: 12 Aug 2025 16:25

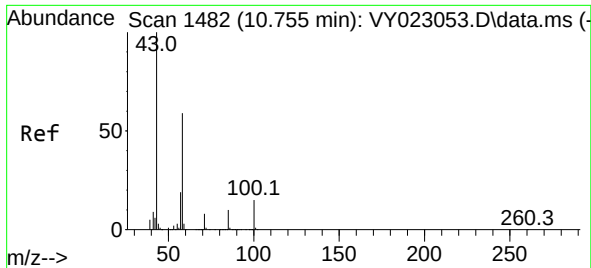
Tgt Ion: 63 Resp: 1389847

Ion Ratio Lower Upper

63 100

106 29.5 23.2 34.8

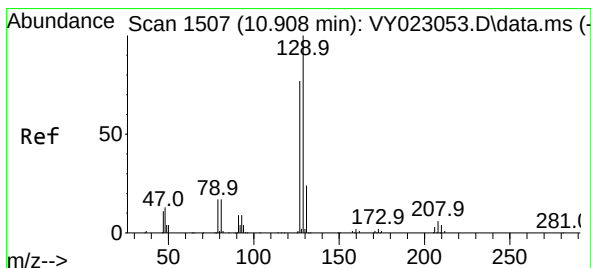
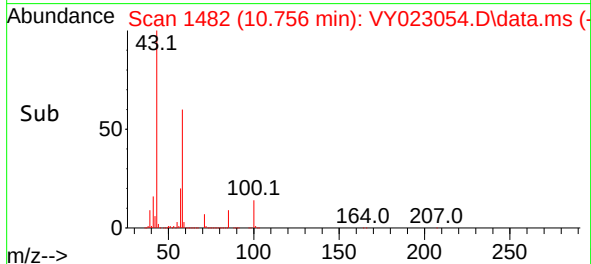
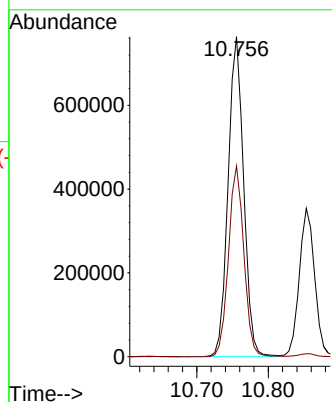
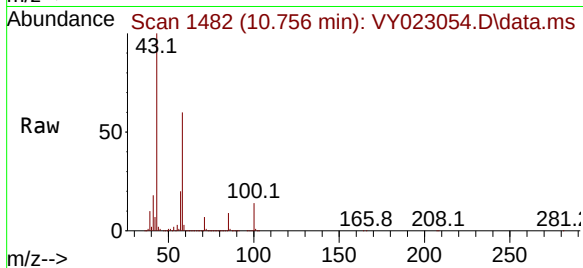




#59
2-Hexanone
Concen: 492.950 ug/l
RT: 10.756 min Scan# 1482
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

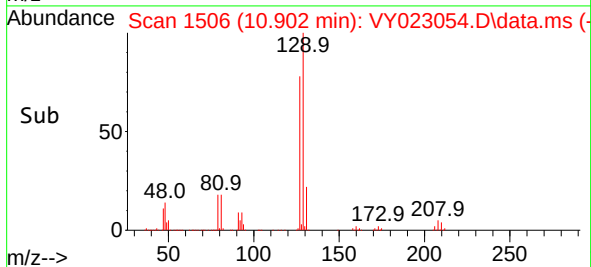
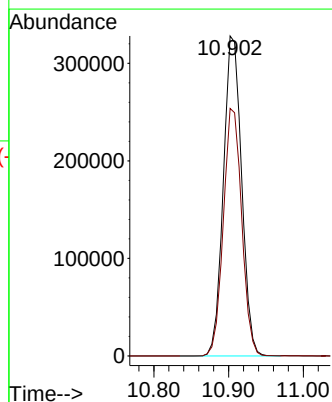
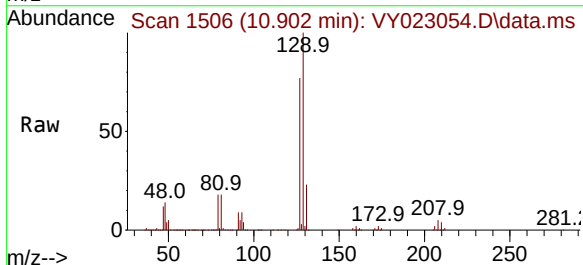
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

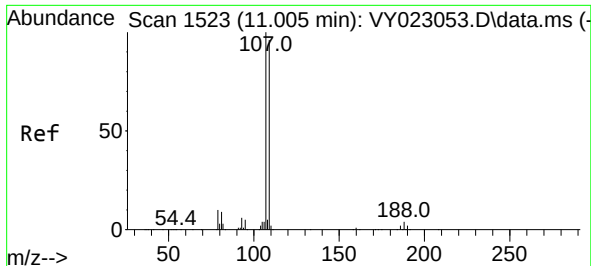
Tgt Ion: 43 Resp: 1151000
Ion Ratio Lower Upper
43 100
58 58.9 29.5 88.5



#60
Dibromochloromethane
Concen: 99.024 ug/l
RT: 10.902 min Scan# 1506
Delta R.T. -0.006 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion: 129 Resp: 557205
Ion Ratio Lower Upper
129 100
127 77.8 38.5 115.5

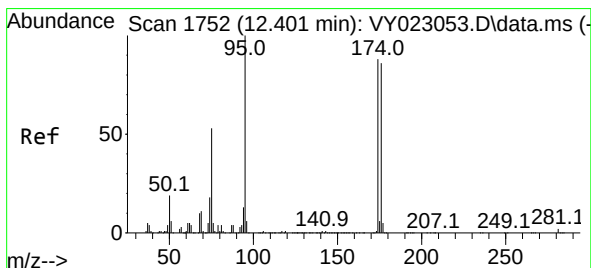
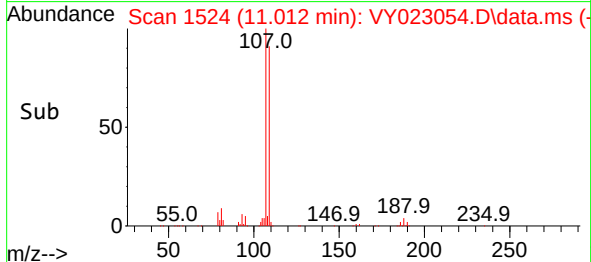
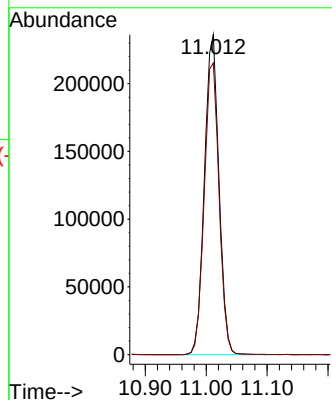
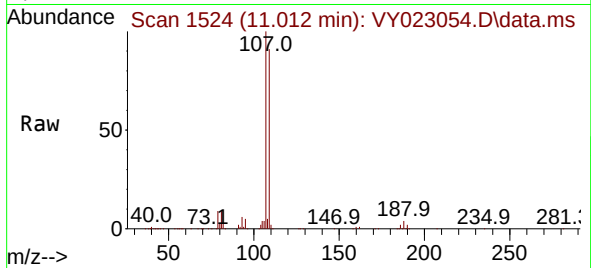




#61
1,2-Dibromoethane
Concen: 97.713 ug/l
RT: 11.012 min Scan# 1524
Delta R.T. 0.006 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

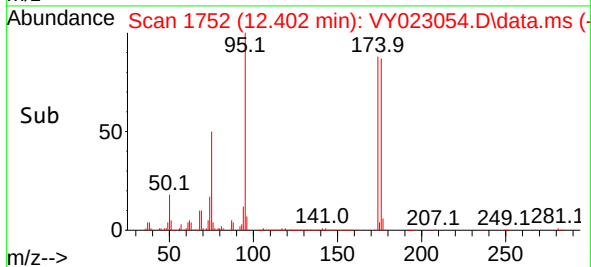
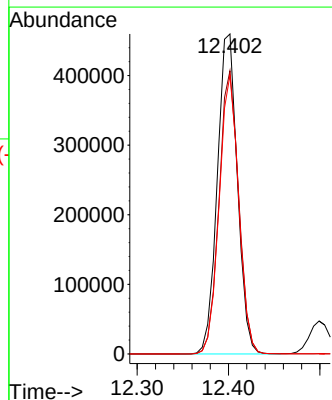
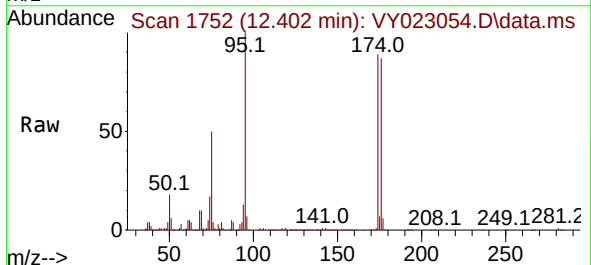
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

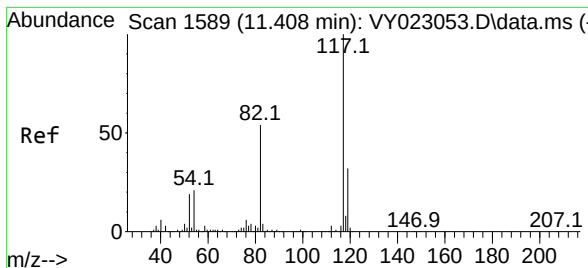
Tgt Ion:107 Resp: 391650
Ion Ratio Lower Upper
107 100
109 92.9 75.6 113.4



#62
4-Bromofluorobenzene
Concen: 106.147 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion: 95 Resp: 702583
Ion Ratio Lower Upper
95 100
174 86.7 0.0 171.6
176 84.8 0.0 167.6

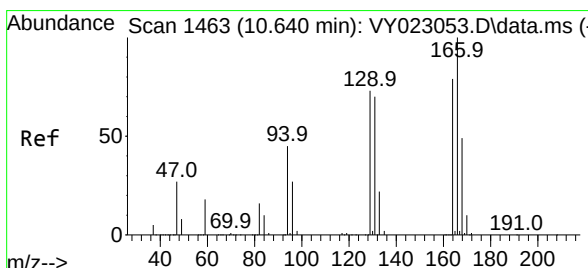
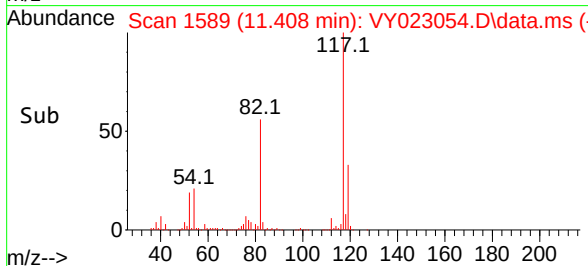
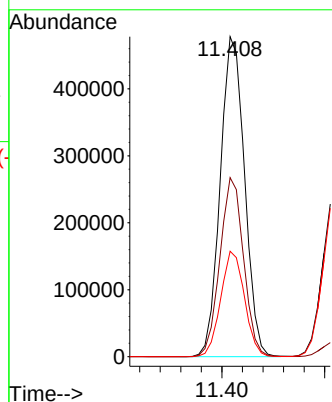
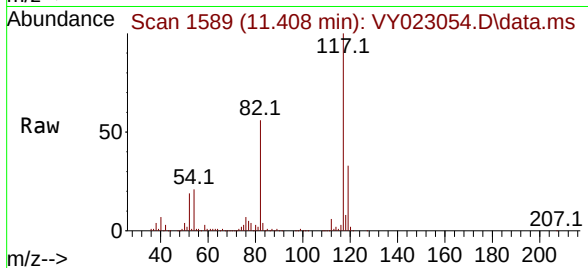




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.408 min Scan# 117
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

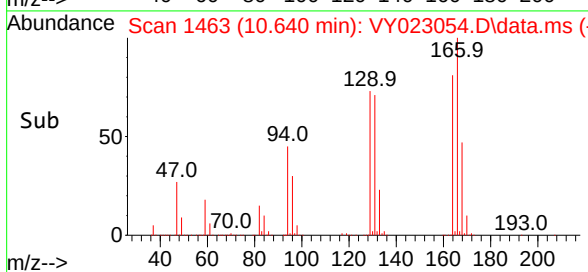
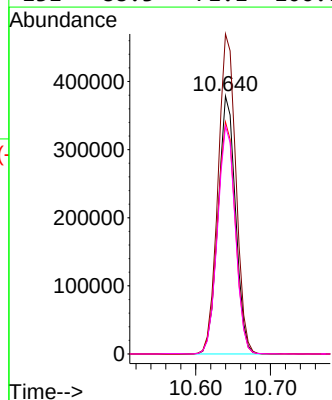
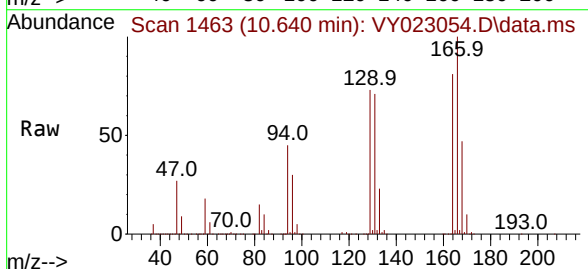
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

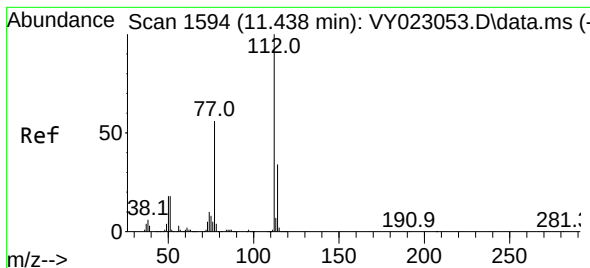
Tgt Ion:	117	Resp:	784385
Ion	Ratio	Lower	Upper
117	100		
82	56.0	43.4	65.0
119	33.0	25.6	38.4



#64
Tetrachloroethene
Concen: 87.931 ug/l
RT: 10.640 min Scan# 1463
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion:	164	Resp:	615871
Ion	Ratio	Lower	Upper
164	100		
166	124.1	101.1	151.7
129	90.0	74.0	111.0
131	88.3	71.1	106.7

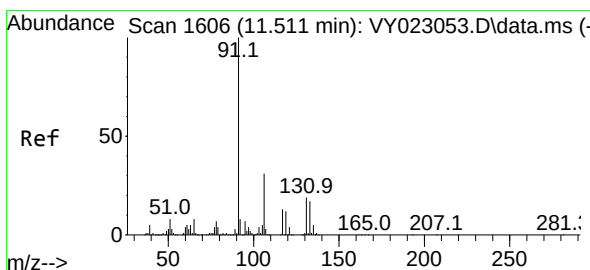
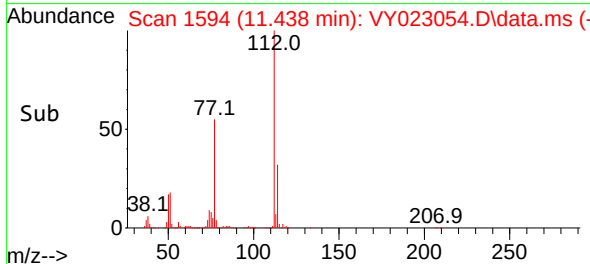
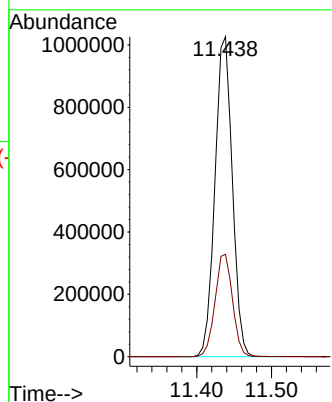
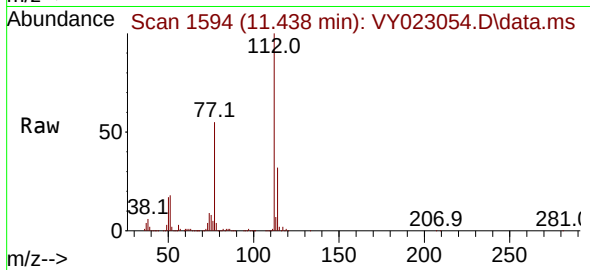




#65
Chlorobenzene
Concen: 98.004 ug/l
RT: 11.438 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

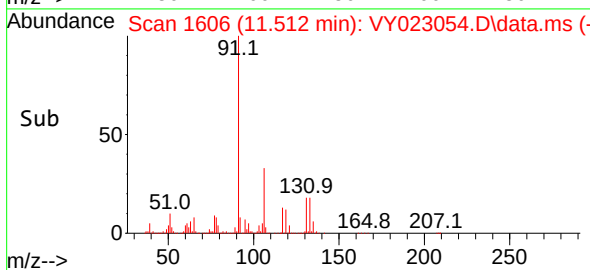
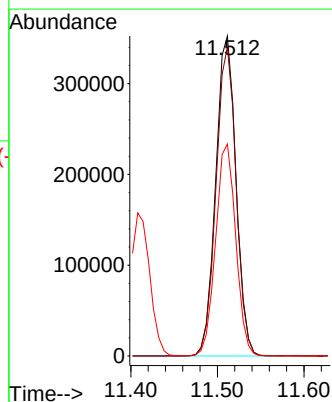
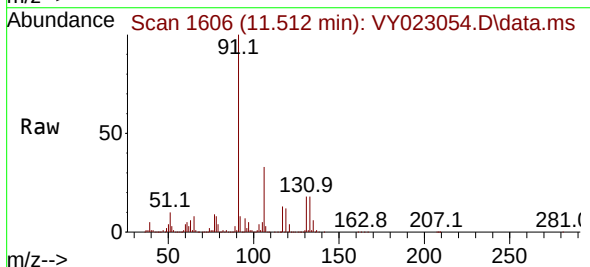
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

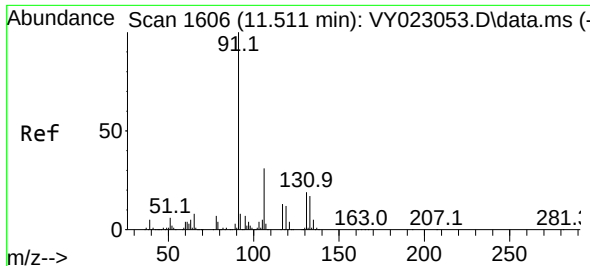
Tgt Ion:112 Resp: 1658154
Ion Ratio Lower Upper
112 100
114 32.0 27.0 40.4



#66
1,1,1,2-Tetrachloroethane
Concen: 99.810 ug/l
RT: 11.512 min Scan# 1606
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion:131 Resp: 573131
Ion Ratio Lower Upper
131 100
133 95.5 46.9 140.6
119 65.9 33.2 99.6





#67

Ethyl Benzene

Concen: 100.082 ug/l

RT: 11.512 min Scan# 1606

Delta R.T. 0.000 min

Lab File: VY023054.D

Acq: 12 Aug 2025 16:25

Instrument :

MSVOA_Y

ClientSampleId :

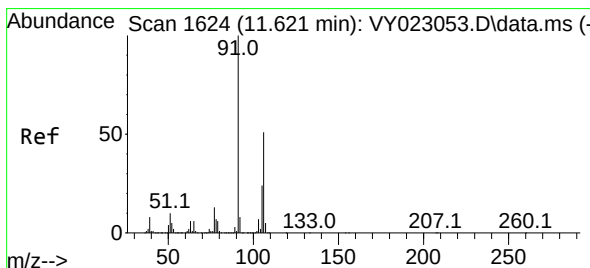
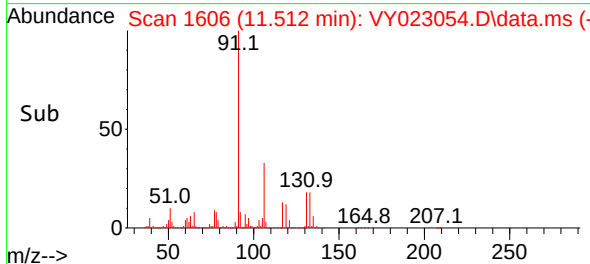
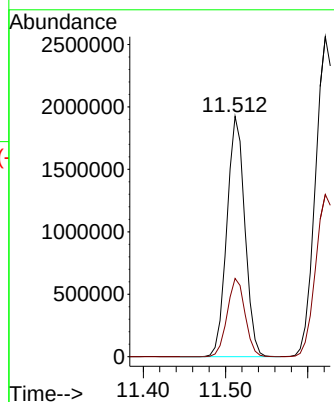
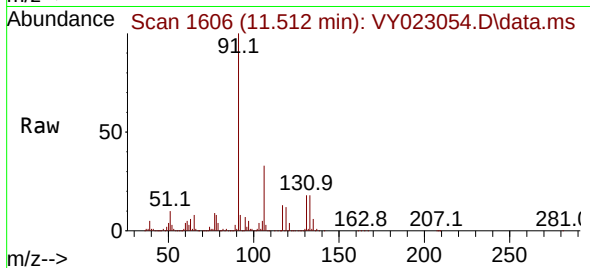
VSTDICC100

Tgt Ion: 91 Resp: 2914020

Ion Ratio Lower Upper

91 100

106 32.5 25.0 37.4



#68

m/p-Xylenes

Concen: 203.363 ug/l

RT: 11.621 min Scan# 1624

Delta R.T. 0.000 min

Lab File: VY023054.D

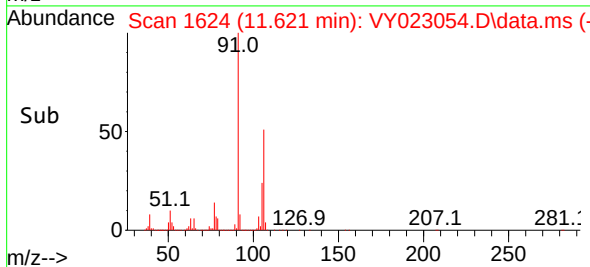
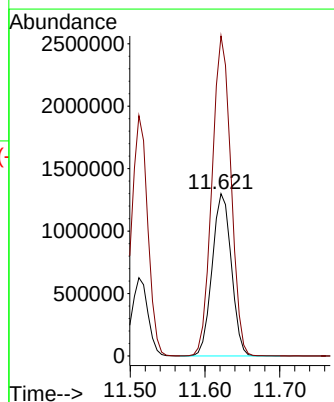
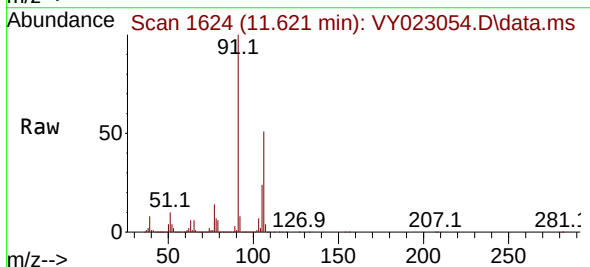
Acq: 12 Aug 2025 16:25

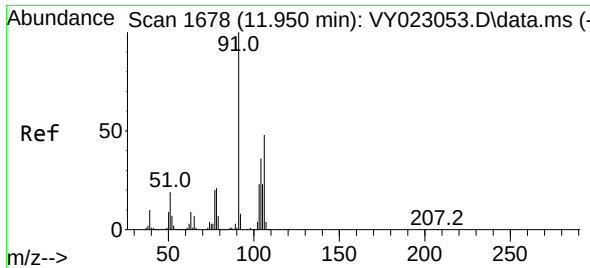
Tgt Ion:106 Resp: 2312597

Ion Ratio Lower Upper

106 100

91 195.1 158.6 238.0

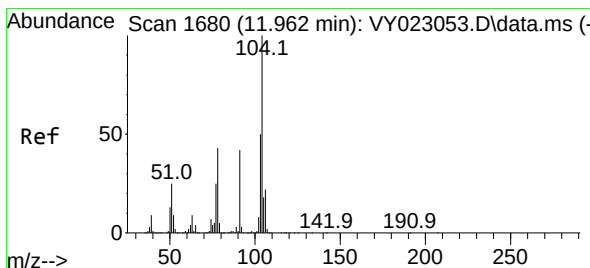
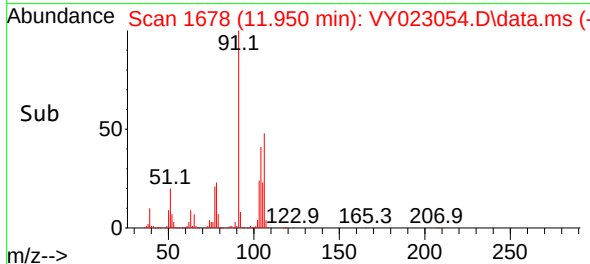
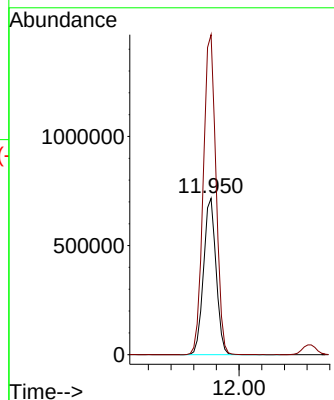
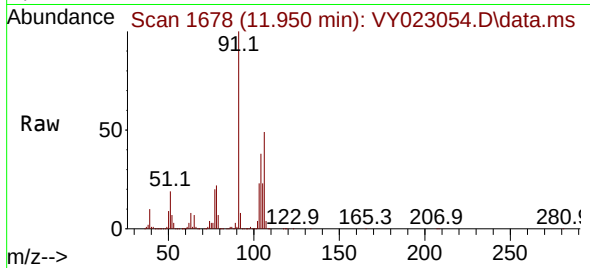




#69
o-Xylene
Concen: 103.373 ug/l
RT: 11.950 min Scan# 1678
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

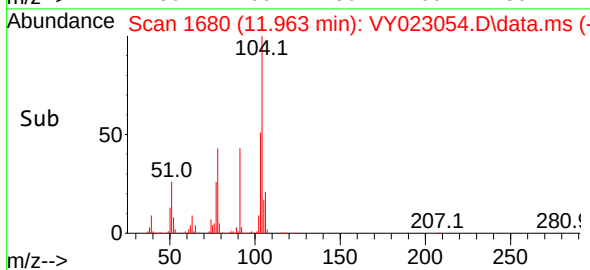
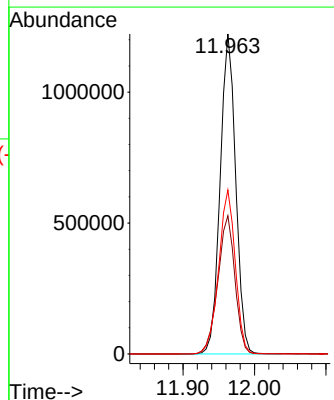
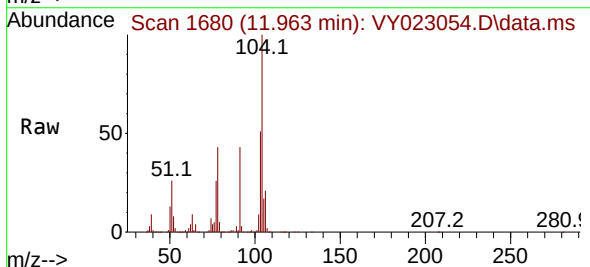
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

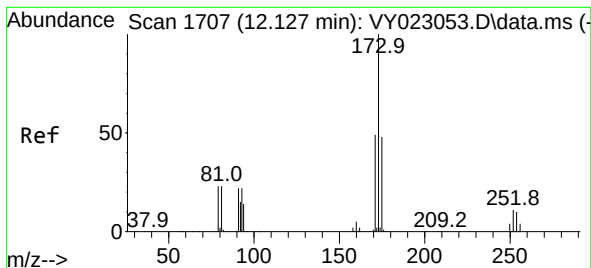
Tgt Ion:106 Resp: 1100998
Ion Ratio Lower Upper
106 100
91 207.5 103.2 309.4



#70
Styrene
Concen: 105.953 ug/l
RT: 11.963 min Scan# 1680
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion:104 Resp: 1845480
Ion Ratio Lower Upper
104 100
78 47.4 38.5 57.7
103 54.9 43.7 65.5





#71

Bromoform

Concen: 99.786 ug/l

RT: 12.127 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY023054.D

Acq: 12 Aug 2025 16:25

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

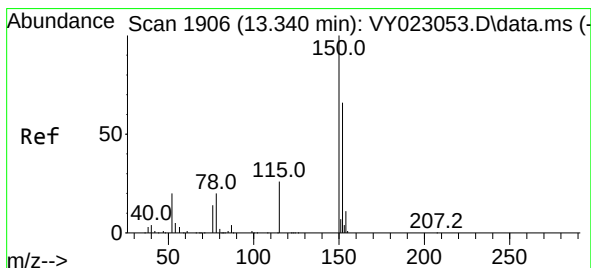
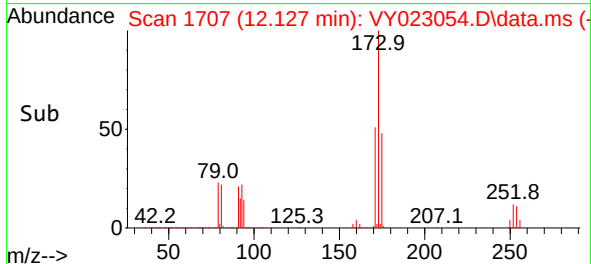
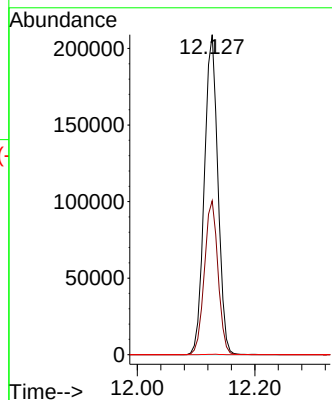
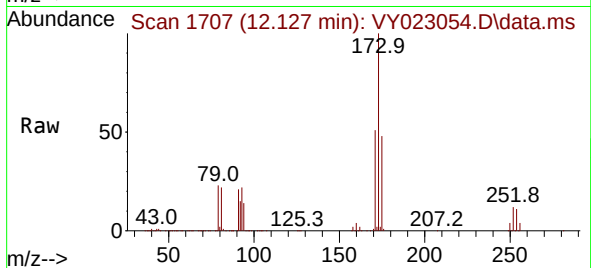
Tgt Ion:173 Resp: 334886

Ion Ratio Lower Upper

173 100

175 48.4 23.9 71.7

254 0.1 0.1 0.1#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.340 min Scan# 1906

Delta R.T. 0.000 min

Lab File: VY023054.D

Acq: 12 Aug 2025 16:25

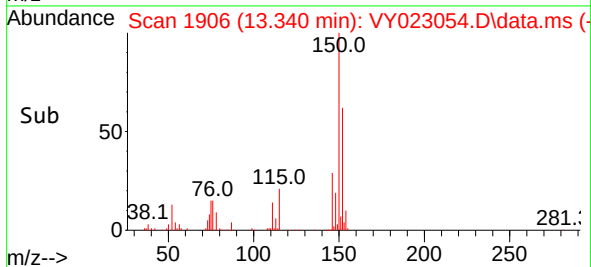
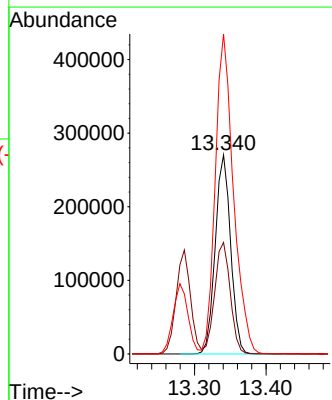
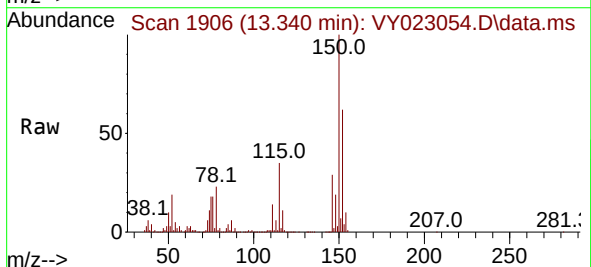
Tgt Ion:152 Resp: 404136

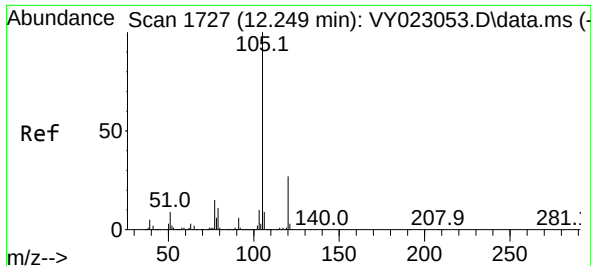
Ion Ratio Lower Upper

152 100

115 56.4 28.2 84.6

150 189.2 0.0 348.0

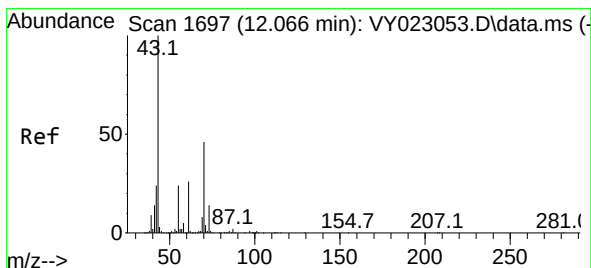
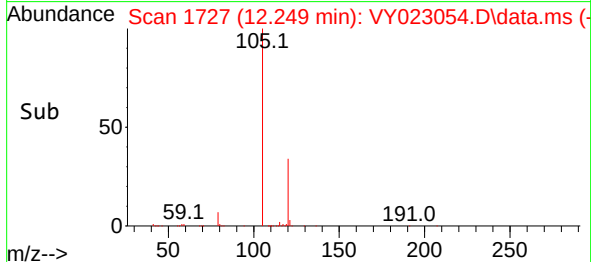
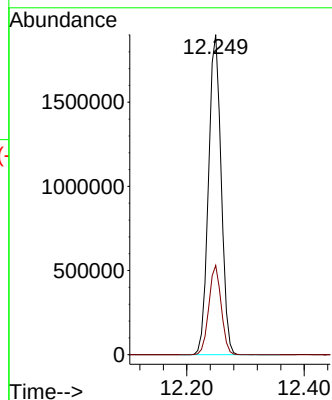
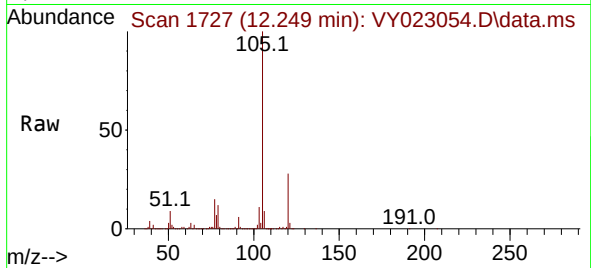




#73
Isopropylbenzene
Concen: 99.567 ug/l
RT: 12.249 min Scan# 1727
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

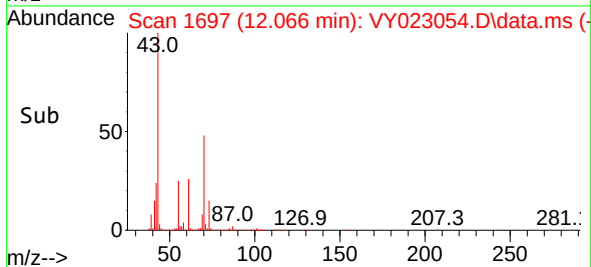
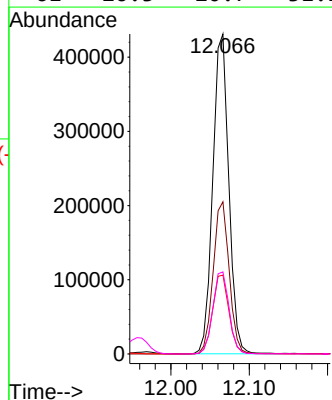
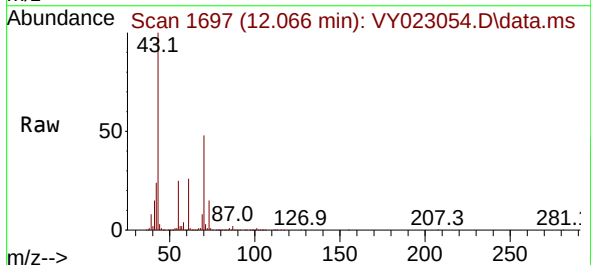
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

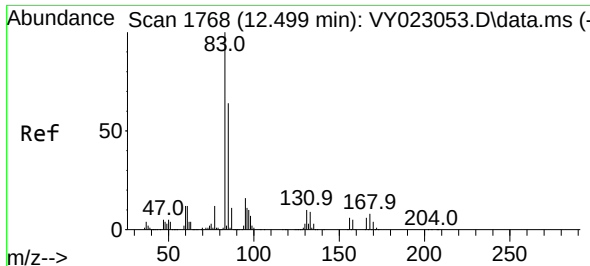
Tgt Ion:105 Resp: 2839999
Ion Ratio Lower Upper
105 100
120 27.3 13.4 40.2



#74
N-ethyl acetate
Concen: 100.955 ug/l
RT: 12.066 min Scan# 1697
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion: 43 Resp: 610668
Ion Ratio Lower Upper
43 100
70 47.8 37.5 56.3
55 25.3 20.7 31.1
61 26.3 20.7 31.1

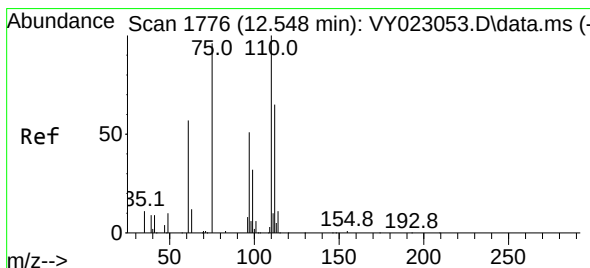
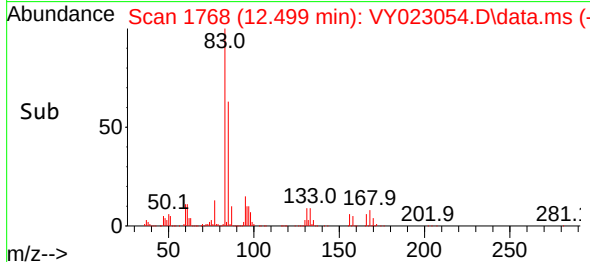
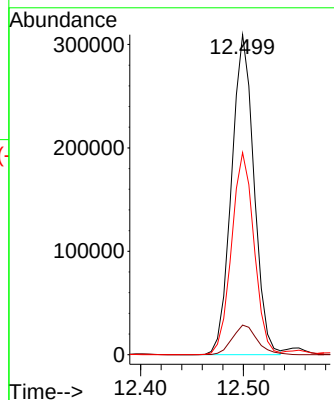
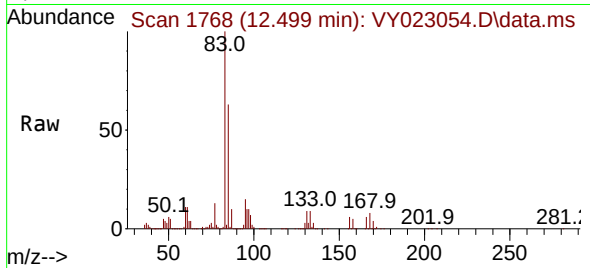




#75
 1,1,2,2-Tetrachloroethane
 Concen: 96.464 ug/l
 RT: 12.499 min Scan# 1768
 Delta R.T. 0.000 min
 Lab File: VY023054.D
 Acq: 12 Aug 2025 16:25

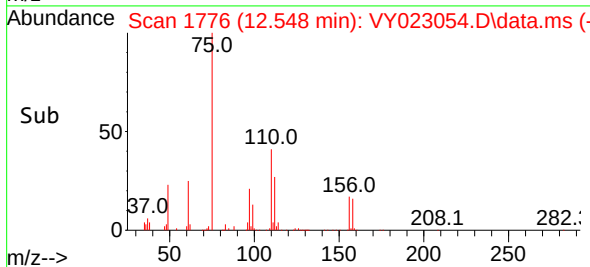
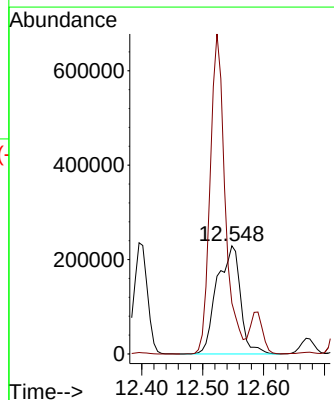
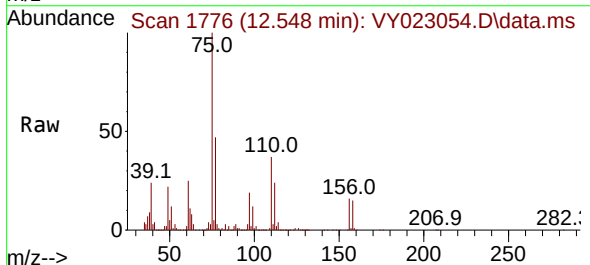
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

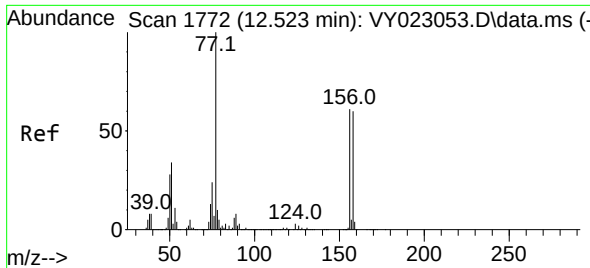
Tgt Ion: 83 Resp: 469810
 Ion Ratio Lower Upper
 83 100
 131 10.3 5.1 15.3
 85 63.3 31.8 95.3



#76
 1,2,3-Trichloropropane
 Concen: 156.388 ug/l
 RT: 12.548 min Scan# 1776
 Delta R.T. 0.000 min
 Lab File: VY023054.D
 Acq: 12 Aug 2025 16:25

Tgt Ion: 75 Resp: 610364
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0

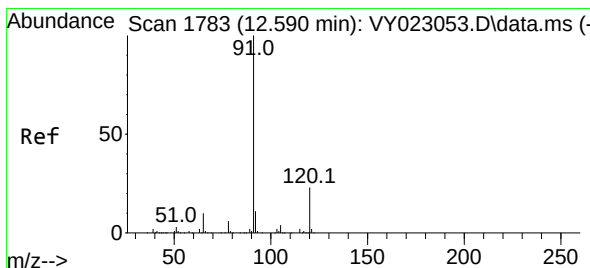
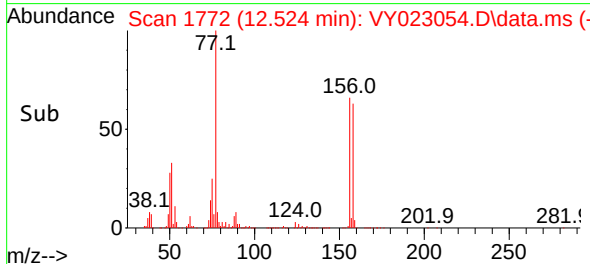
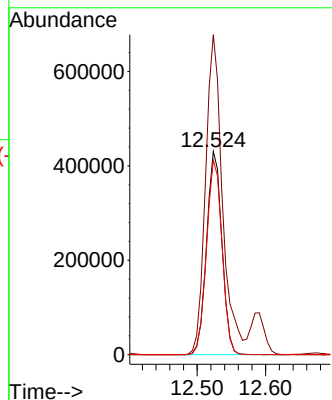
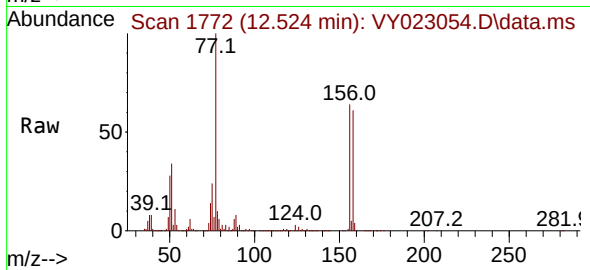




#77
Bromobenzene
Concen: 98.655 ug/l
RT: 12.524 min Scan# 1772
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

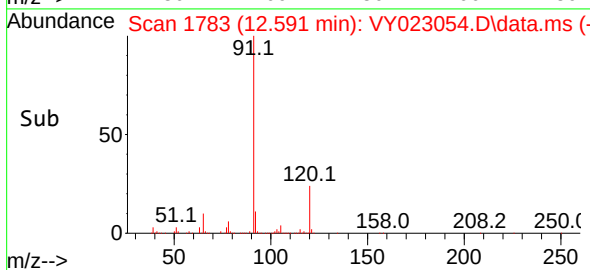
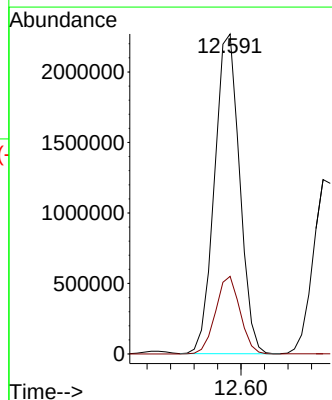
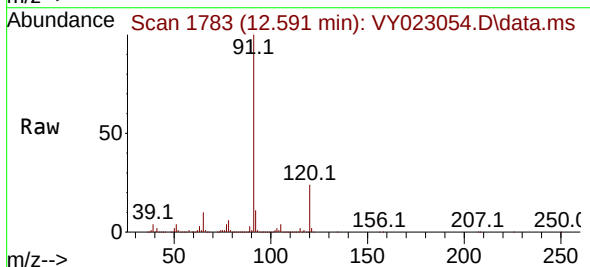
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

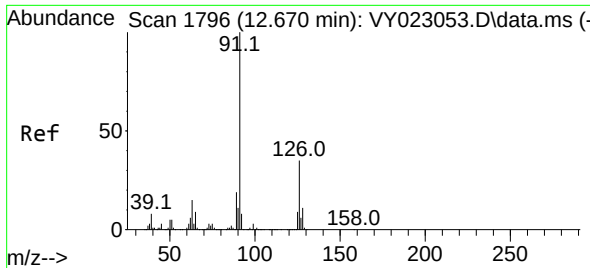
Tgt Ion:156 Resp: 671329
Ion Ratio Lower Upper
156 100
77 172.8 88.1 264.4
158 96.5 48.0 144.0



#78
n-propylbenzene
Concen: 98.963 ug/l
RT: 12.591 min Scan# 1783
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion: 91 Resp: 3360679
Ion Ratio Lower Upper
91 100
120 23.6 11.5 34.5

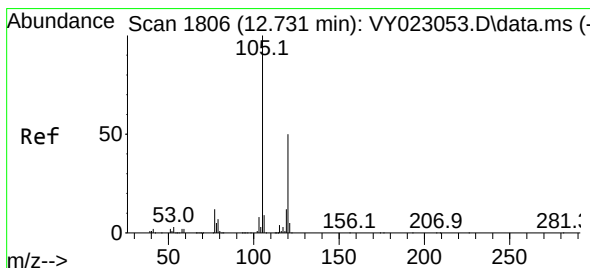
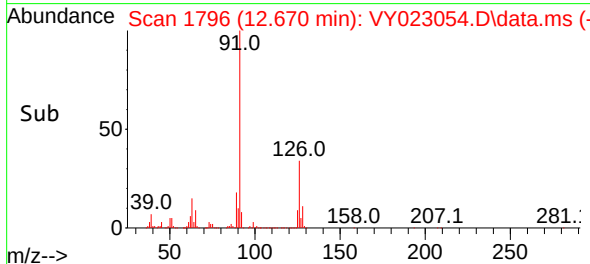
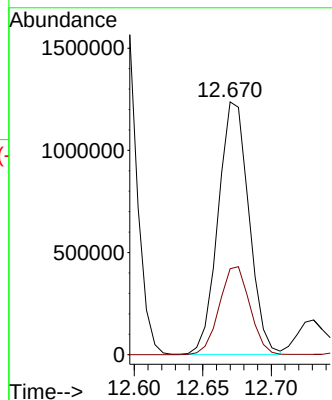
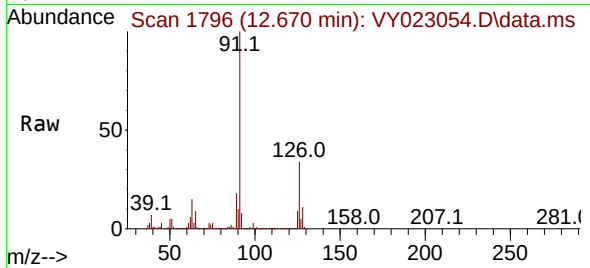




#79
2-Chlorotoluene
Concen: 99.268 ug/l
RT: 12.670 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

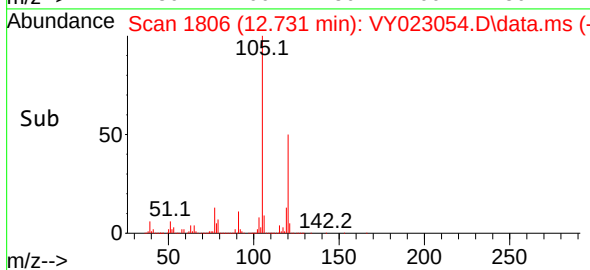
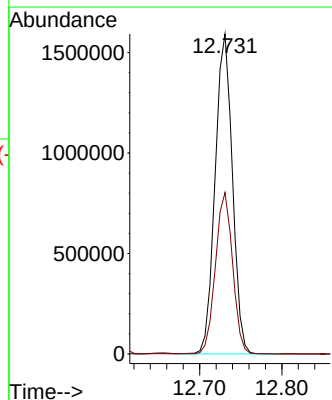
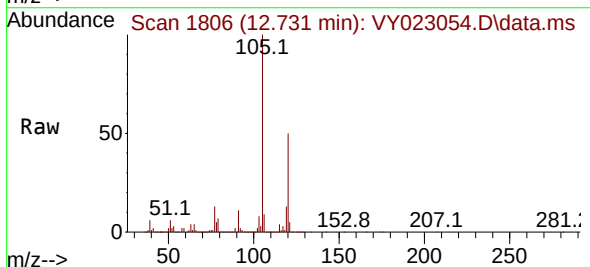
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

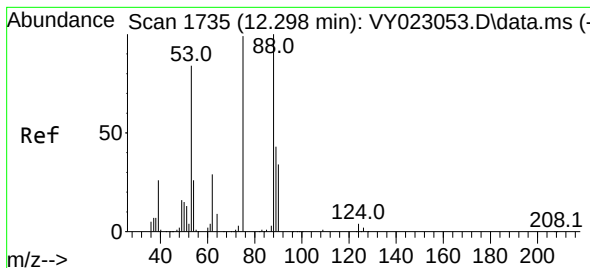
Tgt Ion: 91 Resp: 1931460
Ion Ratio Lower Upper
91 100
126 34.7 17.4 52.3



#80
1,3,5-Trimethylbenzene
Concen: 100.707 ug/l
RT: 12.731 min Scan# 1806
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion: 105 Resp: 2321527
Ion Ratio Lower Upper
105 100
120 50.2 24.8 74.4

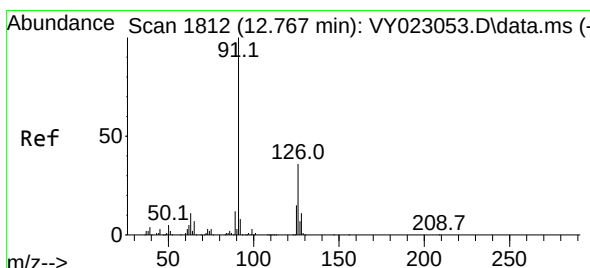
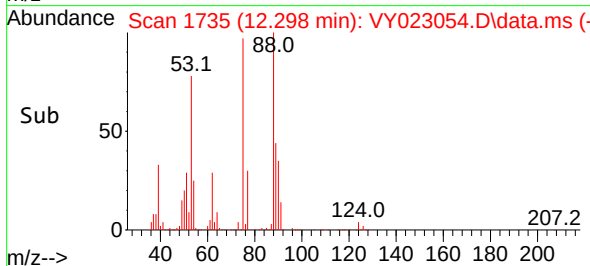
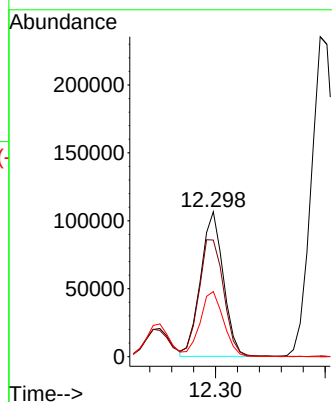
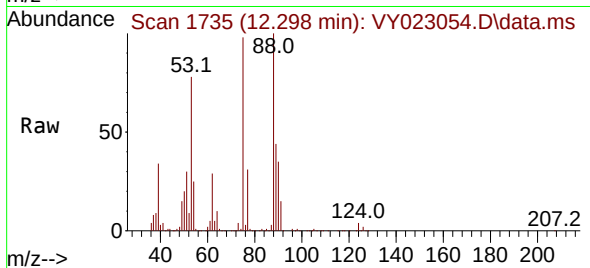




#81
trans-1,4-Dichloro-2-butene
Concen: 95.118 ug/l
RT: 12.298 min Scan# 1735
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

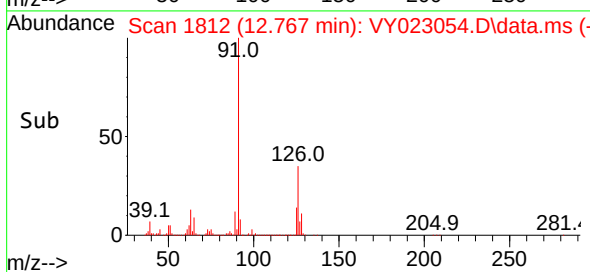
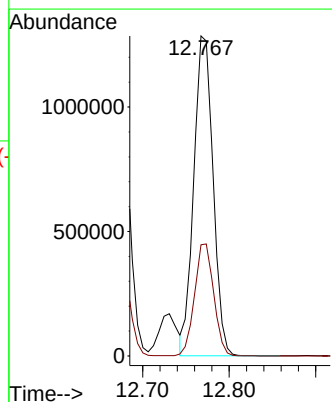
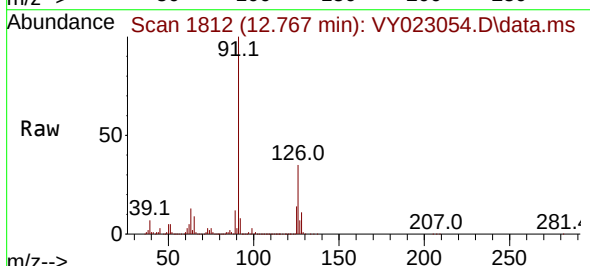
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

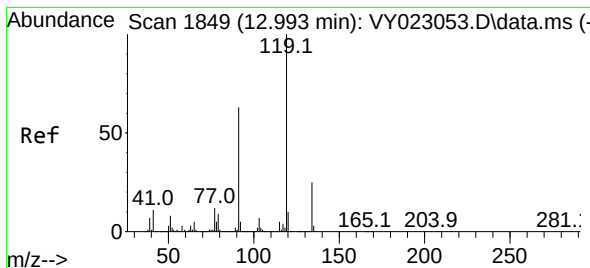
Tgt Ion: 75 Resp: 153260
Ion Ratio Lower Upper
75 100
53 88.4 70.8 106.2
89 47.0 38.1 57.1



#82
4-Chlorotoluene
Concen: 98.519 ug/l
RT: 12.767 min Scan# 1812
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion: 91 Resp: 1988544
Ion Ratio Lower Upper
91 100
126 34.9 17.3 52.0

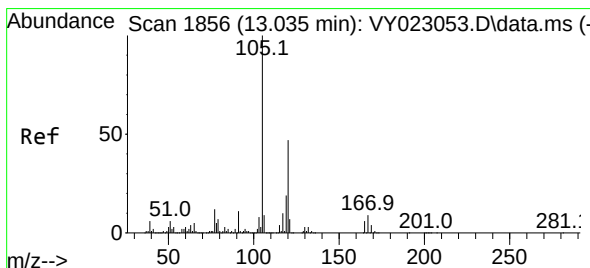
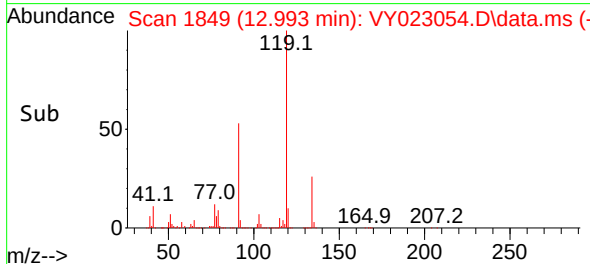
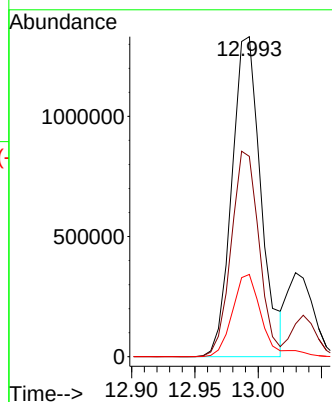
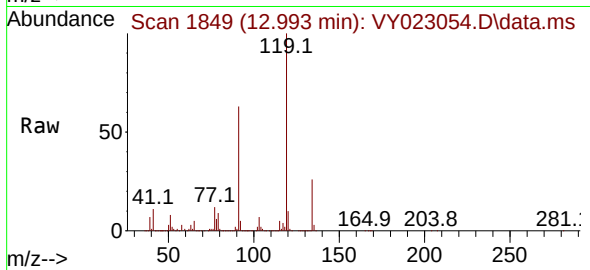




#83
tert-Butylbenzene
Concen: 102.102 ug/l
RT: 12.993 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

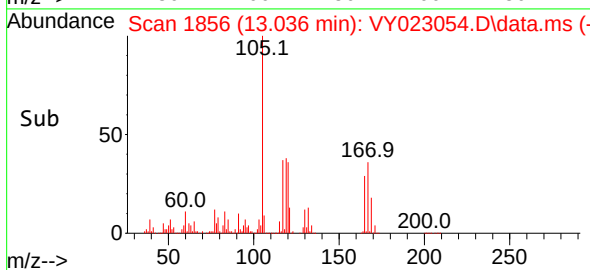
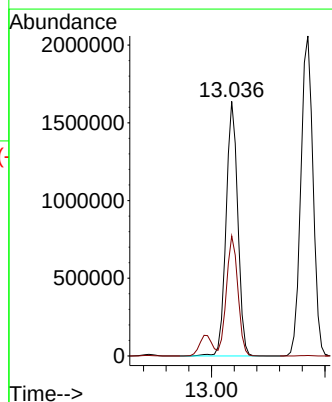
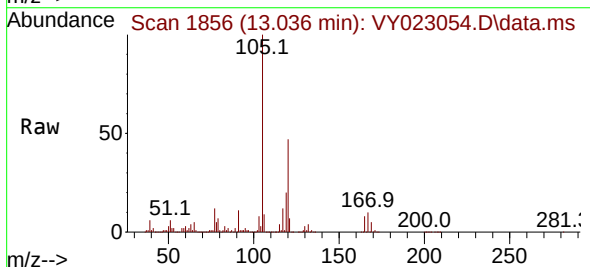
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

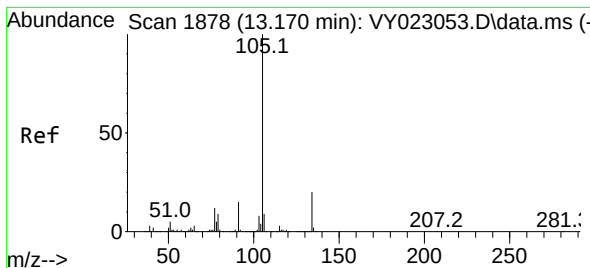
Tgt Ion:119 Resp: 2125785
Ion Ratio Lower Upper
119 100
91 61.6 31.6 94.8
134 26.2 12.9 38.7



#84
1,2,4-Trimethylbenzene
Concen: 101.946 ug/l
RT: 13.036 min Scan# 1856
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion:105 Resp: 2339432
Ion Ratio Lower Upper
105 100
120 46.2 23.0 69.0

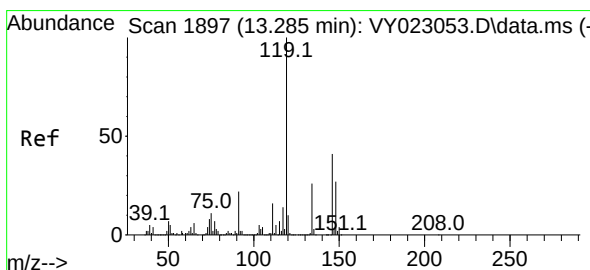
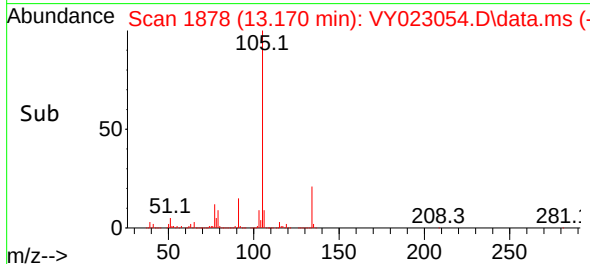
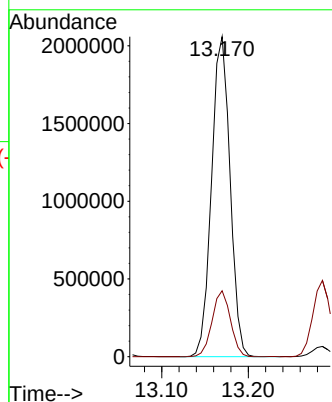
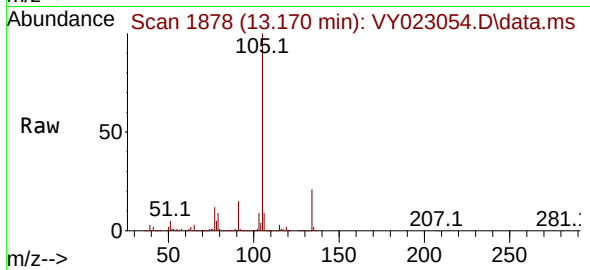




#85
 sec-Butylbenzene
 Concen: 99.932 ug/l
 RT: 13.170 min Scan# 1878
 Delta R.T. 0.000 min
 Lab File: VY023054.D
 Acq: 12 Aug 2025 16:25

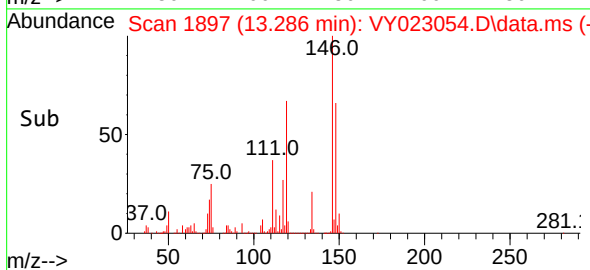
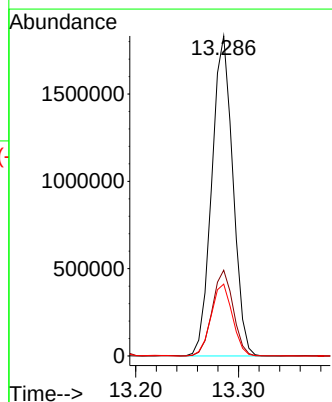
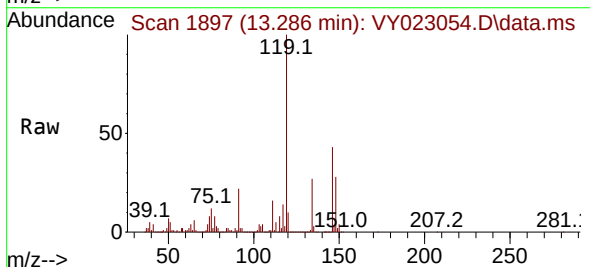
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

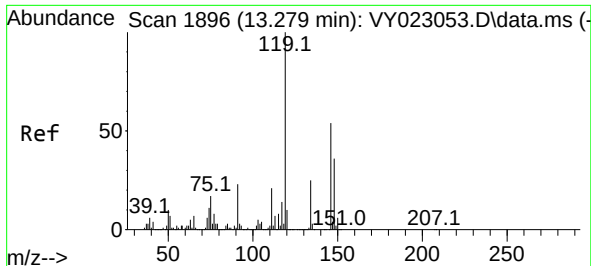
Tgt Ion:105 Resp: 3056373
 Ion Ratio Lower Upper
 105 100
 134 20.4 10.2 30.4



#86
 p-Isopropyltoluene
 Concen: 102.846 ug/l
 RT: 13.286 min Scan# 1897
 Delta R.T. 0.000 min
 Lab File: VY023054.D
 Acq: 12 Aug 2025 16:25

Tgt Ion:119 Resp: 2610936
 Ion Ratio Lower Upper
 119 100
 134 26.5 13.2 39.6
 91 22.7 11.3 33.8





#87

1,3-Dichlorobenzene

Concen: 99.748 ug/l

RT: 13.280 min Scan# 1896

Delta R.T. 0.000 min

Lab File: VY023054.D

Acq: 12 Aug 2025 16:25

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

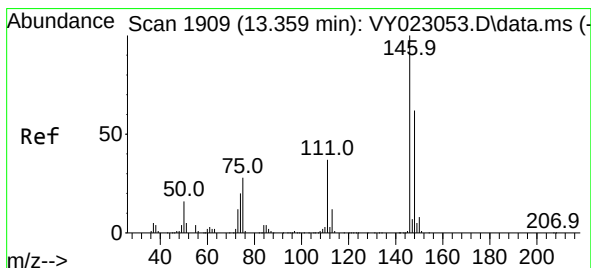
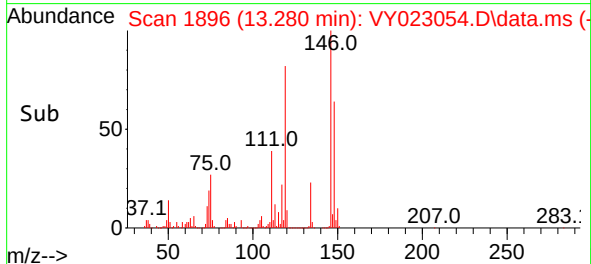
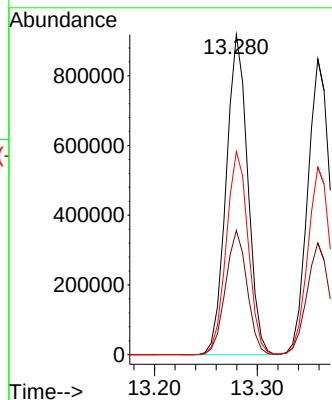
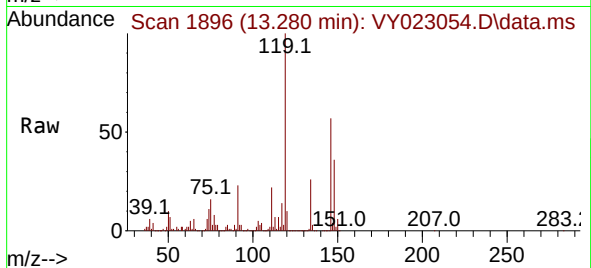
Tgt Ion:146 Resp: 1338547

Ion Ratio Lower Upper

146 100

111 38.8 19.6 58.7

148 64.5 32.5 97.5



#88

1,4-Dichlorobenzene

Concen: 96.970 ug/l

RT: 13.359 min Scan# 1909

Delta R.T. 0.000 min

Lab File: VY023054.D

Acq: 12 Aug 2025 16:25

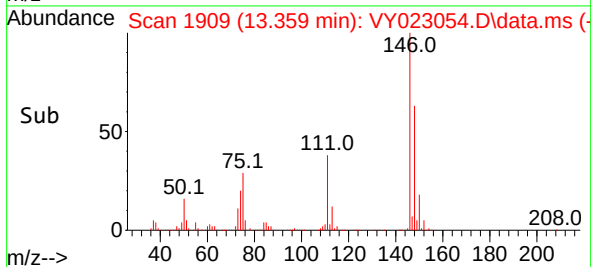
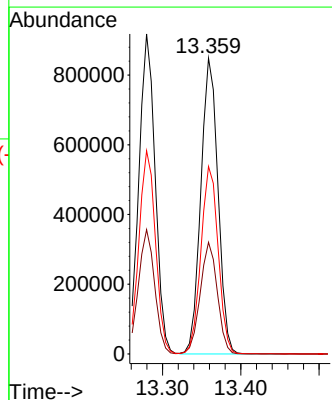
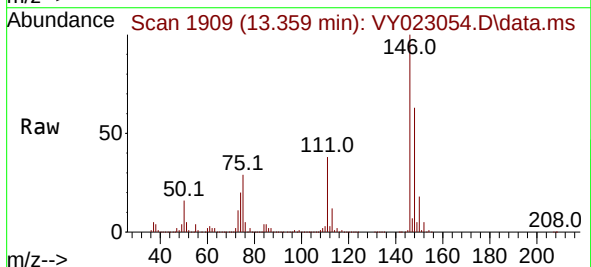
Tgt Ion:146 Resp: 1290840

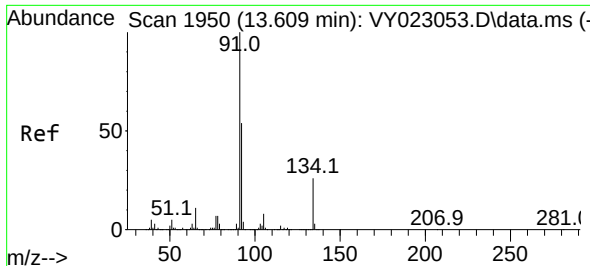
Ion Ratio Lower Upper

146 100

111 37.5 19.1 57.1

148 63.7 31.6 94.7

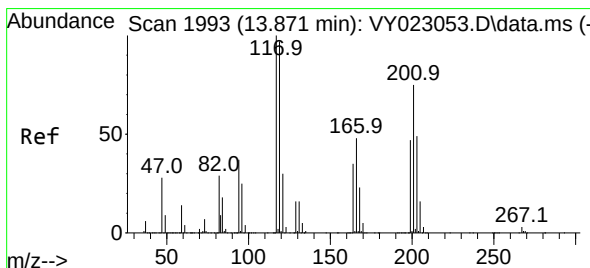
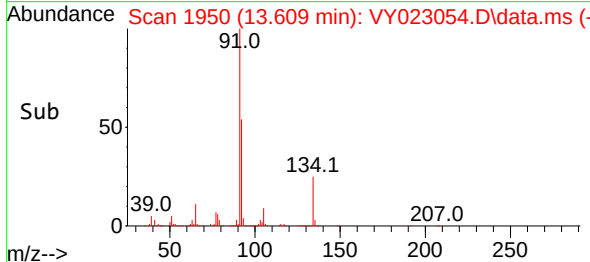
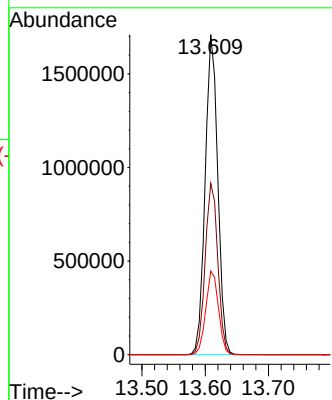
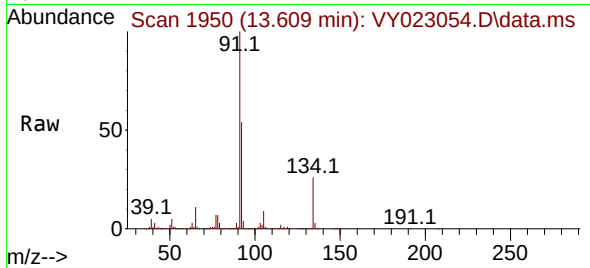




#89
n-Butylbenzene
Concen: 101.675 ug/l
RT: 13.609 min Scan# 1950
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

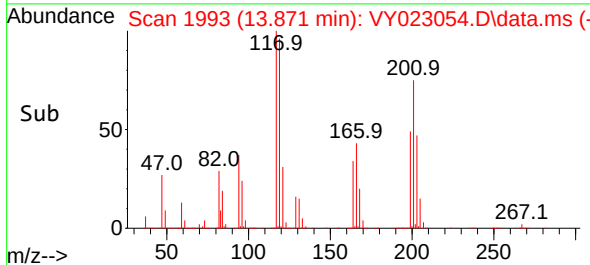
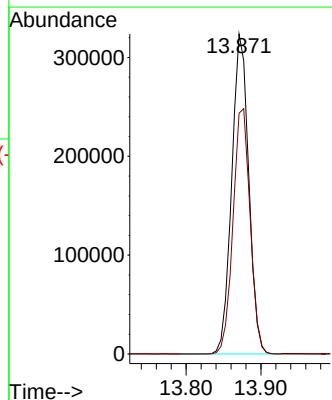
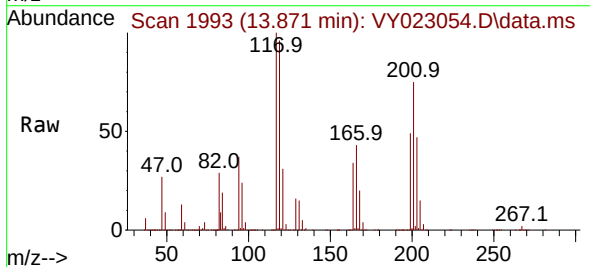
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

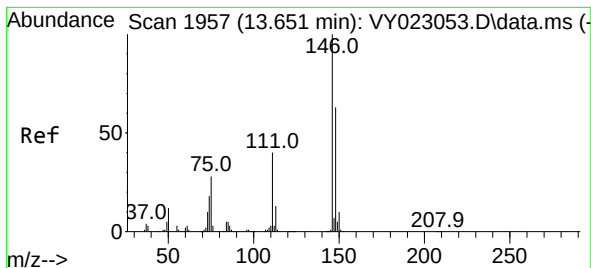
Tgt Ion: 91 Resp: 2370706
Ion Ratio Lower Upper
91 100
92 53.9 26.9 80.7
134 26.4 13.2 39.5



#90
Hexachloroethane
Concen: 98.308 ug/l
RT: 13.871 min Scan# 1993
Delta R.T. 0.000 min
Lab File: VY023054.D
Acq: 12 Aug 2025 16:25

Tgt Ion: 117 Resp: 510900
Ion Ratio Lower Upper
117 100
201 77.6 38.4 115.1





#91

1,2-Dichlorobenzene

Concen: 98.749 ug/l

RT: 13.651 min Scan# 1957

Delta R.T. 0.000 min

Lab File: VY023054.D

Acq: 12 Aug 2025 16:25

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

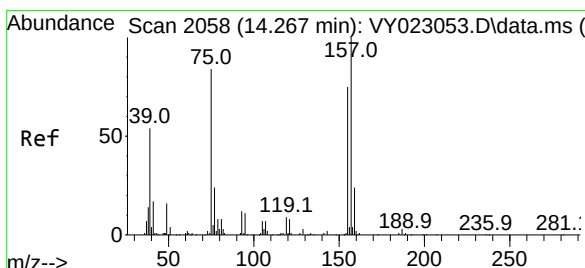
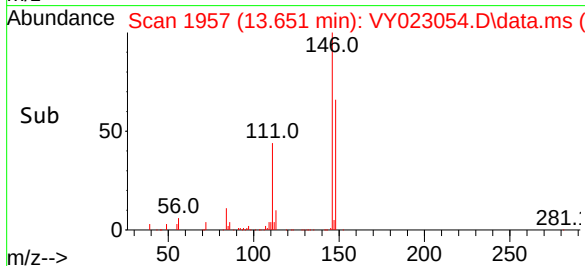
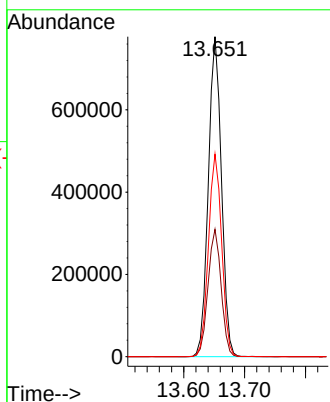
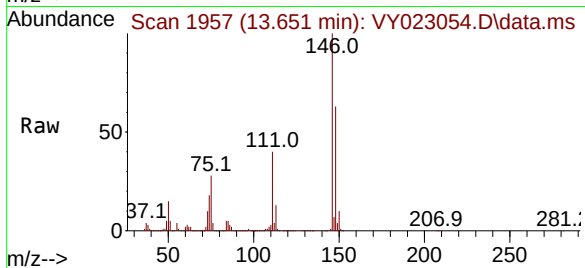
Tgt Ion:146 Resp: 1162152

Ion Ratio Lower Upper

146 100

111 39.9 20.3 60.8

148 63.9 32.2 96.6



#92

1,2-Dibromo-3-Chloropropane

Concen: 91.965 ug/l

RT: 14.267 min Scan# 2058

Delta R.T. 0.000 min

Lab File: VY023054.D

Acq: 12 Aug 2025 16:25

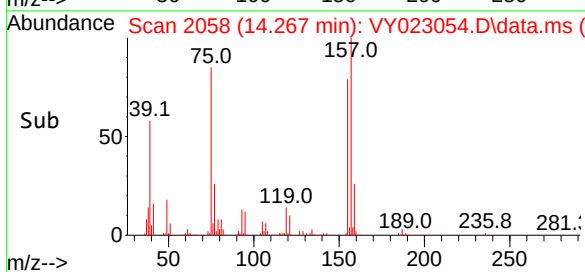
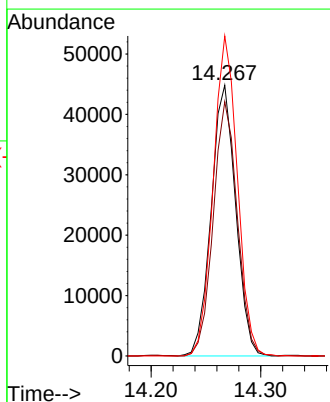
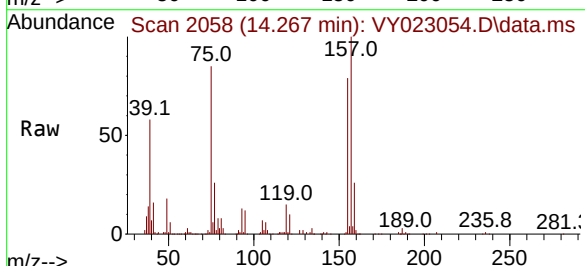
Tgt Ion: 75 Resp: 69736

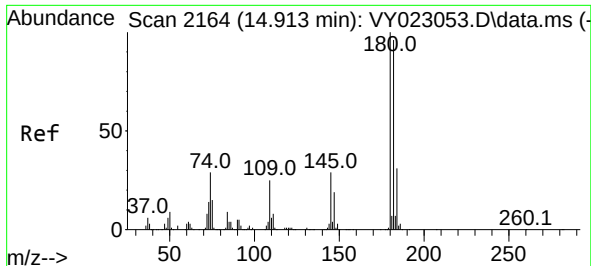
Ion Ratio Lower Upper

75 100

155 92.1 43.9 131.6

157 116.2 57.2 171.6

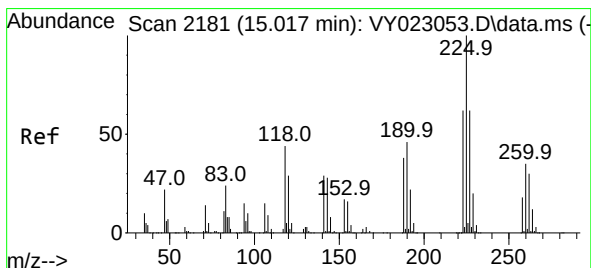
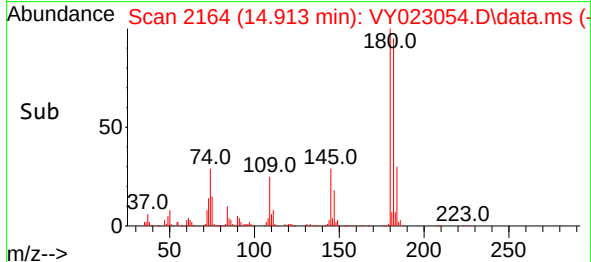
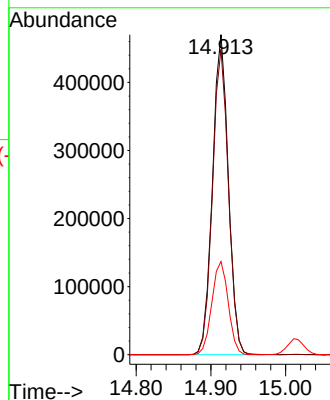
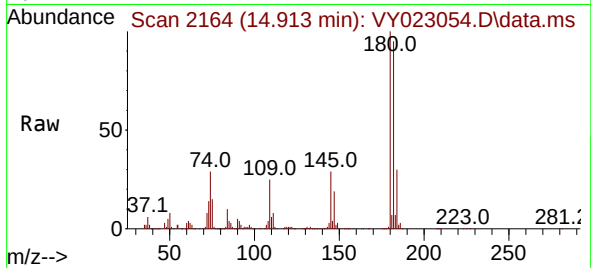




#93
 1,2,4-Trichlorobenzene
 Concen: 99.460 ug/l
 RT: 14.913 min Scan# 2164
 Delta R.T. 0.000 min
 Lab File: VY023054.D
 Acq: 12 Aug 2025 16:25

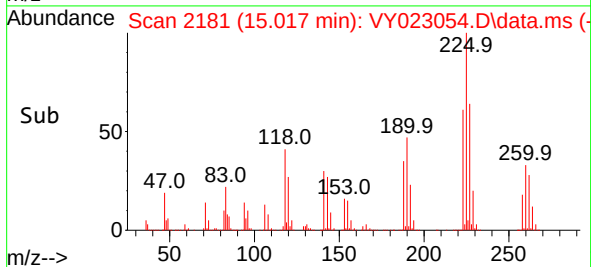
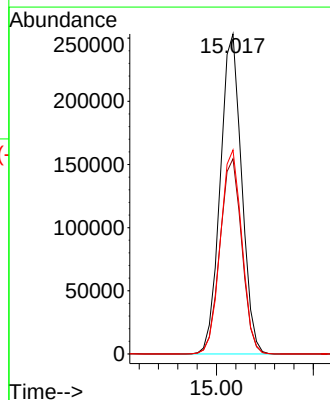
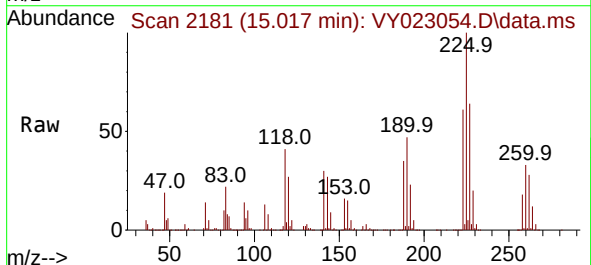
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

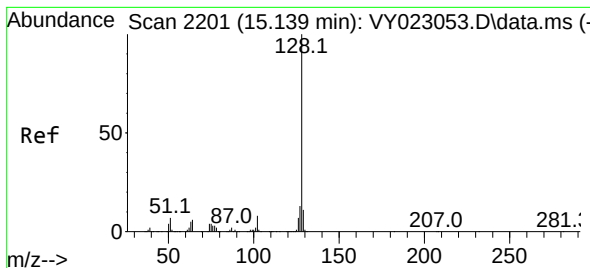
Tgt Ion:180 Resp: 692201
 Ion Ratio Lower Upper
 180 100
 182 95.8 46.8 140.4
 145 30.1 14.4 43.4



#94
 Hexachlorobutadiene
 Concen: 94.803 ug/l
 RT: 15.017 min Scan# 2181
 Delta R.T. 0.000 min
 Lab File: VY023054.D
 Acq: 12 Aug 2025 16:25

Tgt Ion:225 Resp: 387707
 Ion Ratio Lower Upper
 225 100
 223 62.4 31.3 93.8
 227 64.2 31.5 94.5





#95

Naphthalene

Concen: 102.147 ug/l

RT: 15.133 min Scan# 21

Delta R.T. -0.006 min

Lab File: VY023054.D

Acq: 12 Aug 2025 16:25

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

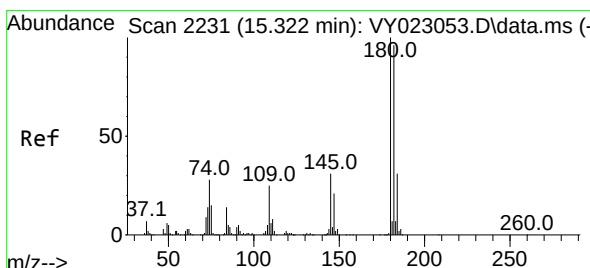
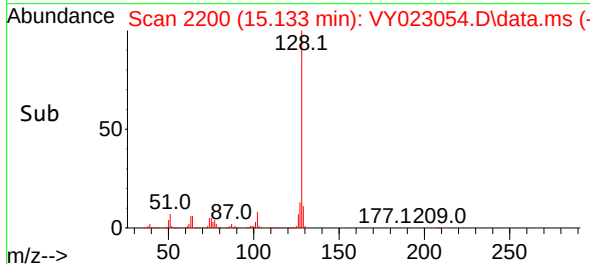
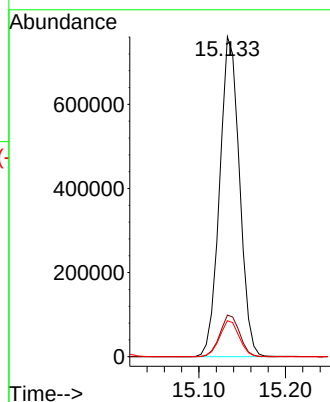
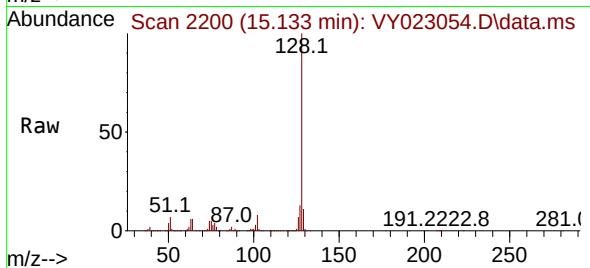
Tgt Ion:128 Resp: 1212227

Ion Ratio Lower Upper

128 100

127 13.0 10.4 15.6

129 11.1 9.0 13.4



#96

1,2,3-Trichlorobenzene

Concen: 98.046 ug/l

RT: 15.322 min Scan# 2231

Delta R.T. 0.000 min

Lab File: VY023054.D

Acq: 12 Aug 2025 16:25

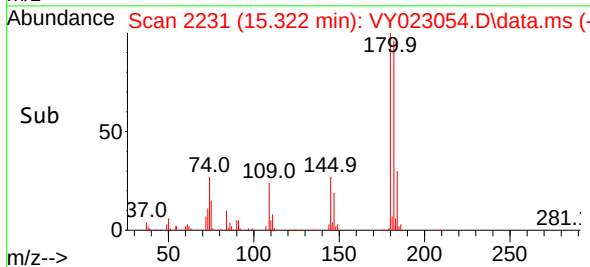
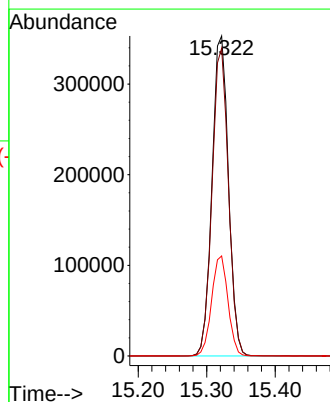
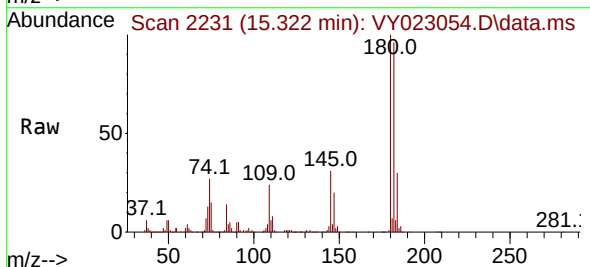
Tgt Ion:180 Resp: 587990

Ion Ratio Lower Upper

180 100

182 95.8 47.9 143.7

145 31.2 15.9 47.7



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081225\
 Data File : VY023055.D
 Acq On : 12 Aug 2025 16:47
 Operator : SY/MD
 Sample : VSTDICC150
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC150

Quant Time: Aug 13 01:55:24 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 13 01:46:43 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.701	168	538712	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	844092	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.408	117	756365	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	389949	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	746936	145.480	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 290.960%#	
35) Dibromofluoromethane	7.628	113	771944	152.837	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 305.680%#	
50) Toluene-d8	10.103	98	3003834	152.237	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 304.480%#	
62) 4-Bromofluorobenzene	12.402	95	998318	157.326	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 314.660%#	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.861	85	571723	130.017	ug/l	98
3) Chloromethane	2.062	50	991215	139.173	ug/l	99
4) Vinyl Chloride	2.202	62	1238646	140.692	ug/l	99
5) Bromomethane	2.580	94	938717	142.770	ug/l	100
6) Chloroethane	2.720	64	834547	142.581	ug/l	100
7) Trichlorofluoromethane	3.043	101	1574213	147.051	ug/l	99
8) Diethyl Ether	3.446	74	426242	150.496	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.806	101	763053	144.479	ug/l	99
10) Methyl Iodide	3.995	142	909378	159.567	ug/l	100
11) Tert butyl alcohol	4.860	59	265243	753.967	ug/l	100
12) 1,1-Dichloroethene	3.781	96	768098	147.960	ug/l	95
13) Acrolein	3.647	56	374594	727.070	ug/l	98
14) Allyl chloride	4.372	41	1151194	150.707	ug/l	99
15) Acrylonitrile	5.049	53	883293	767.115	ug/l	99
16) Acetone	3.866	43	777658	699.133	ug/l	100
17) Carbon Disulfide	4.098	76	2426564	143.357	ug/l	99
18) Methyl Acetate	4.379	43	500151	151.100	ug/l	99
19) Methyl tert-butyl Ether	5.110	73	2113920	157.144	ug/l	99
20) Methylene Chloride	4.604	84	846955	152.064	ug/l	99
21) trans-1,2-Dichloroethene	5.110	96	889517	152.474	ug/l	97
22) Diisopropyl ether	6.012	45	2594499	156.307	ug/l	99
23) Vinyl Acetate	5.951	43	7267824	791.851	ug/l	99
24) 1,1-Dichloroethane	5.909	63	1527663	150.534	ug/l	99
25) 2-Butanone	6.890	43	1144112	756.289	ug/l	97
26) 2,2-Dichloropropane	6.878	77	1293043	147.663	ug/l	99
27) cis-1,2-Dichloroethene	6.884	96	1047717	155.348	ug/l	98
28) Bromochloromethane	7.238	49	599841	148.984	ug/l	98
29) Tetrahydrofuran	7.256	42	734408	783.186	ug/l	99
30) Chloroform	7.415	83	1585686	151.505	ug/l	95
31) Cyclohexane	7.695	56	1354021	141.586	ug/l	98
32) 1,1,1-Trichloroethane	7.610	97	1396470	150.372	ug/l	100
36) 1,1-Dichloropropene	7.829	75	1132306	150.850	ug/l	99
37) Ethyl Acetate	6.982	43	494371	156.788	ug/l	99
38) Carbon Tetrachloride	7.811	117	1226800	150.478	ug/l	96
39) Methylcyclohexane	9.103	83	1556004	157.417	ug/l	98
40) Benzene	8.073	78	3533174	152.720	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081225\
 Data File : VY023055.D
 Acq On : 12 Aug 2025 16:47
 Operator : SY/MD
 Sample : VSTDICC150
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC150

Quant Time: Aug 13 01:55:24 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 13 01:46:43 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.213	41	261721	143.669	ug/l	90
42) 1,2-Dichloroethane	8.152	62	909030	151.078	ug/l	100
43) Isopropyl Acetate	8.195	43	1029854	161.596	ug/l	98
44) Trichloroethene	8.860	130	909510	152.126	ug/l	94
45) 1,2-Dichloropropane	9.134	63	822035	154.426	ug/l	99
46) Dibromomethane	9.225	93	480162	157.156	ug/l	100
47) Bromodichloromethane	9.420	83	1217658	154.884	ug/l	99
48) Methyl methacrylate	9.213	41	497527	163.144	ug/l	97
49) 1,4-Dioxane	9.225	88	117513	3280.235	ug/l	98
51) 4-Methyl-2-Pentanone	9.993	43	2677587	814.509	ug/l	99
52) Toluene	10.164	92	2332797	158.762	ug/l	99
53) t-1,3-Dichloropropene	10.390	75	1162952	163.355	ug/l	99
54) cis-1,3-Dichloropropene	9.853	75	1366797	162.359	ug/l	99
55) 1,1,2-Trichloroethane	10.567	97	642236	157.090	ug/l	98
56) Ethyl methacrylate	10.432	69	908662	173.693	ug/l	100
57) 1,3-Dichloropropane	10.713	76	1087297	156.818	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.707	63	2167815	878.488	ug/l	99
59) 2-Hexanone	10.756	43	1848093	825.606	ug/l	100
60) Dibromochloromethane	10.908	129	860181	159.454	ug/l	99
61) 1,2-Dibromoethane	11.012	107	613069	159.546	ug/l	99
64) Tetrachloroethene	10.640	164	990664	146.682	ug/l	98
65) Chlorobenzene	11.438	112	2520874	154.514	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.511	131	871003	157.304	ug/l	99
67) Ethyl Benzene	11.511	91	4438665	158.093	ug/l	98
68) m/p-Xylenes	11.621	106	3511726	320.251	ug/l	96
69) o-Xylene	11.950	106	1683720	163.941	ug/l	100
70) Styrene	11.963	104	2846443	169.475	ug/l	99
71) Bromoform	12.127	173	523541	161.778	ug/l #	98
73) Isopropylbenzene	12.249	105	4269945	155.145	ug/l	99
74) N-amyl acetate	12.066	43	982090	168.265	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.499	83	717524	152.686	ug/l	100
76) 1,2,3-Trichloropropane	12.548	75	950569	252.416	ug/l #	100
77) Bromobenzene	12.523	156	1021449	155.568	ug/l	99
78) n-propylbenzene	12.591	91	5048012	154.058	ug/l	99
79) 2-Chlorotoluene	12.676	91	2878647	153.331	ug/l	100
80) 1,3,5-Trimethylbenzene	12.731	105	3469329	155.973	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.298	75	245958	158.203	ug/l	97
82) 4-Chlorotoluene	12.773	91	2981042	153.063	ug/l	99
83) tert-Butylbenzene	12.993	119	3161475	157.371	ug/l	99
84) 1,2,4-Trimethylbenzene	13.036	105	3501626	158.143	ug/l	100
85) sec-Butylbenzene	13.170	105	4541629	153.897	ug/l	99
86) p-Isopropyltoluene	13.286	119	3918969	159.987	ug/l	99
87) 1,3-Dichlorobenzene	13.279	146	2049060	158.251	ug/l	99
88) 1,4-Dichlorobenzene	13.359	146	1941716	151.172	ug/l	98
89) n-Butylbenzene	13.609	91	3578272	159.048	ug/l	100
90) Hexachloroethane	13.871	117	772603	154.073	ug/l	99
91) 1,2-Dichlorobenzene	13.651	146	1754100	154.469	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.267	75	114505	156.498	ug/l	96
93) 1,2,4-Trichlorobenzene	14.913	180	1117401	166.397	ug/l	98
94) Hexachlorobutadiene	15.017	225	589351	149.352	ug/l	99
95) Naphthalene	15.139	128	2094983	182.954	ug/l	100
96) 1,2,3-Trichlorobenzene	15.322	180	975366	168.557	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081225\
Data File : VY023055.D
Acq On : 12 Aug 2025 16:47
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Quant Time: Aug 13 01:55:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 01:46:43 2025
Response via : Initial Calibration

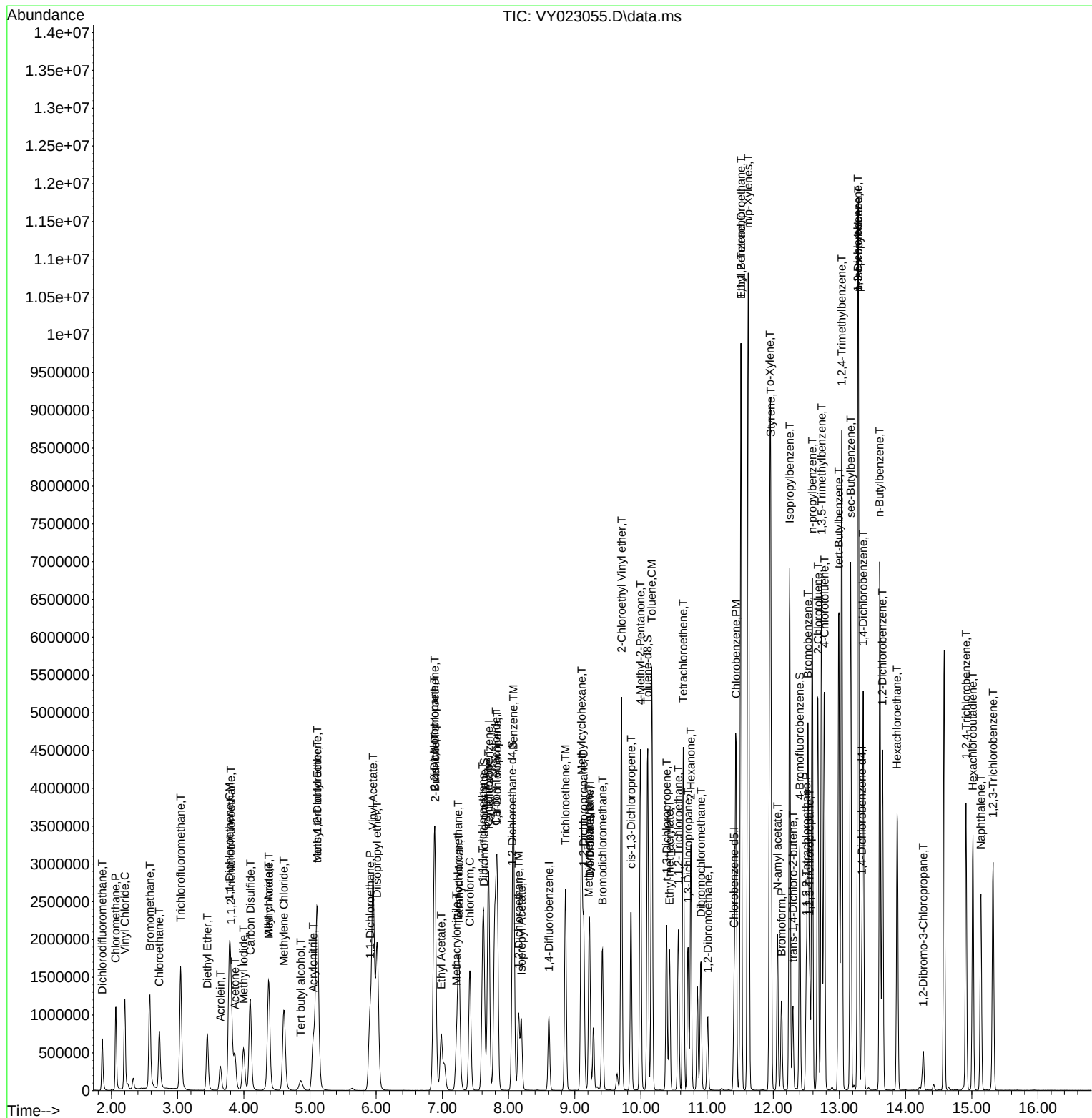
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
----------	------	------	----------	------	-------	----------

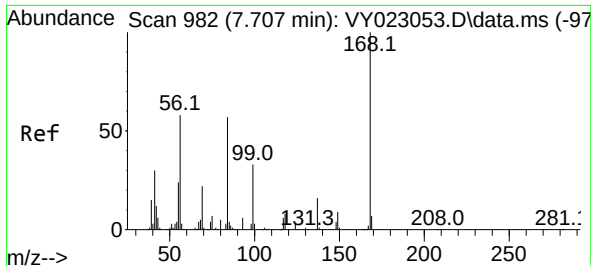
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081225\
Data File : VY023055.D
Acq On : 12 Aug 2025 16:47
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Quant Time: Aug 13 01:55:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 01:46:43 2025
Response via : Initial Calibration

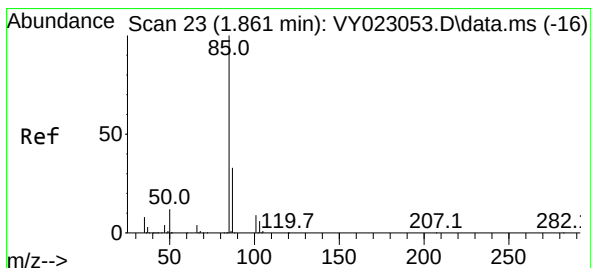
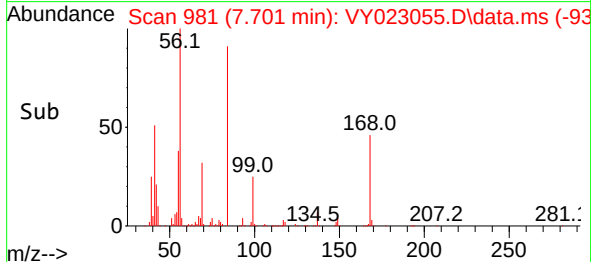
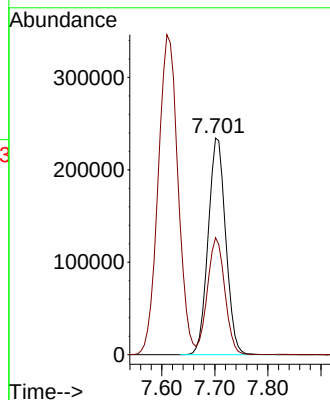
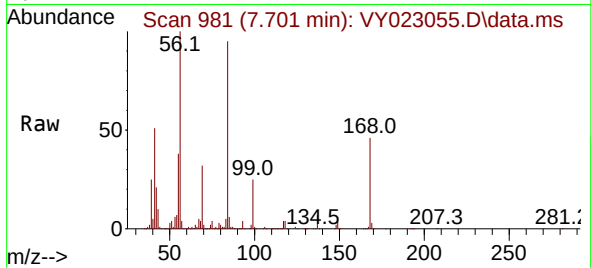




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

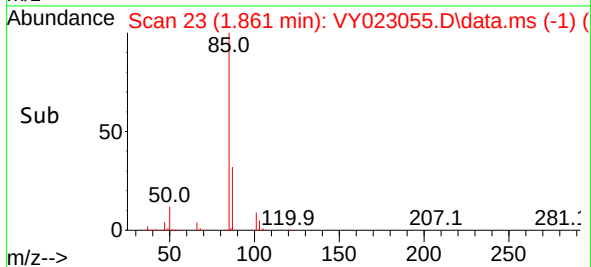
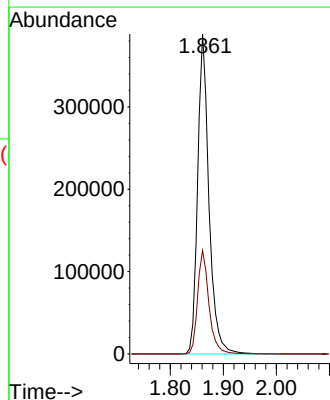
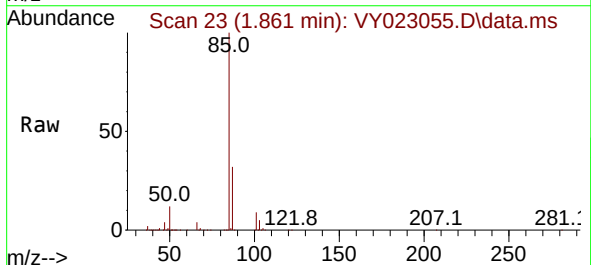
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

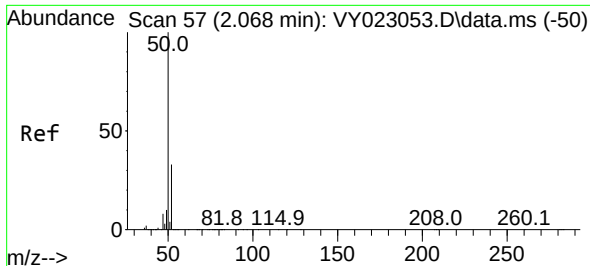
Tgt Ion:168 Resp: 538712
Ion Ratio Lower Upper
168 100
99 53.8 42.8 64.2



#2
Dichlorodifluoromethane
Concen: 130.017 ug/l
RT: 1.861 min Scan# 23
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion: 85 Resp: 571723
Ion Ratio Lower Upper
85 100
87 32.3 16.6 49.8

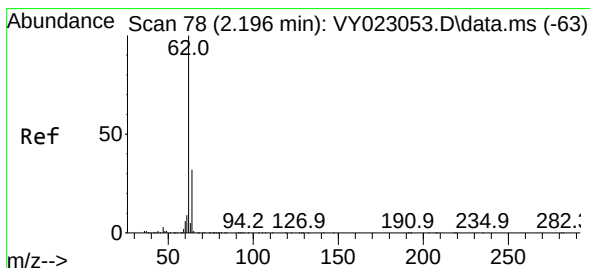
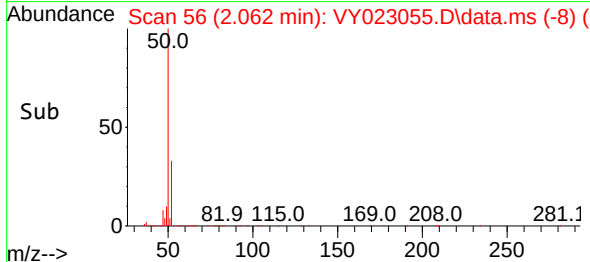
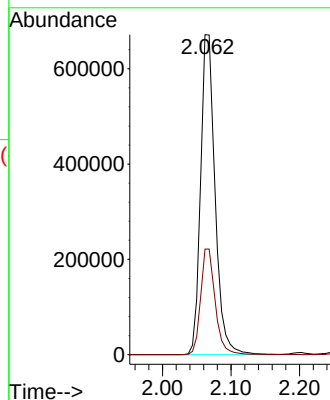
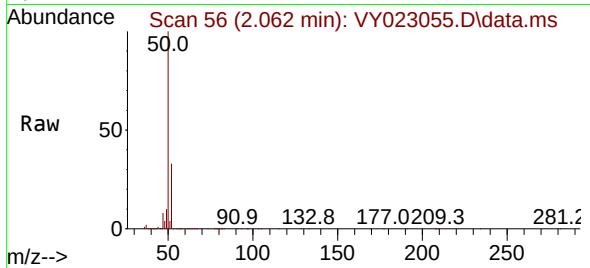




#3
Chloromethane
Concen: 139.173 ug/l
RT: 2.062 min Scan# 50
Delta R.T. -0.006 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

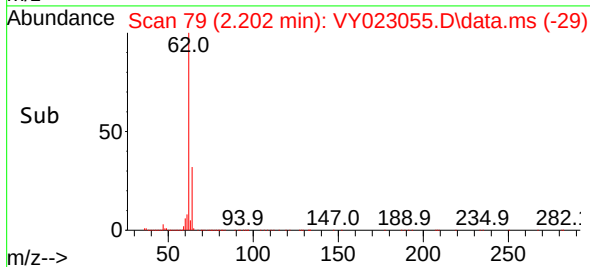
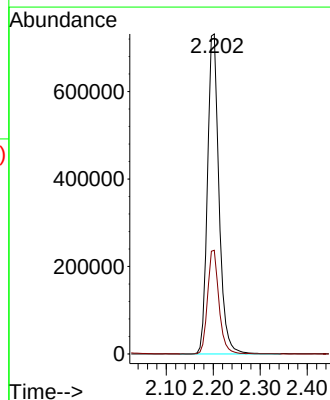
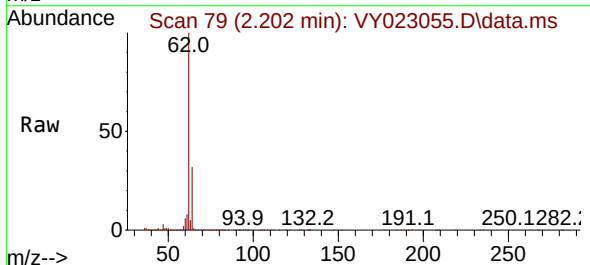
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

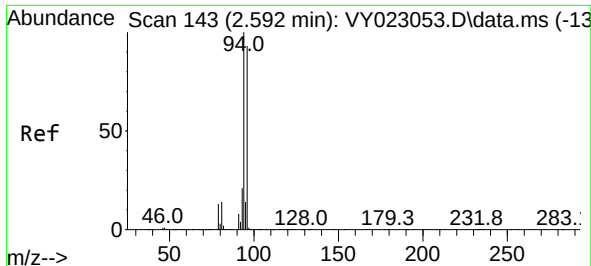
Tgt Ion: 50 Resp: 991215
Ion Ratio Lower Upper
50 100
52 33.0 26.7 40.1



#4
Vinyl Chloride
Concen: 140.692 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.006 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion: 62 Resp: 1238646
Ion Ratio Lower Upper
62 100
64 32.4 25.4 38.0

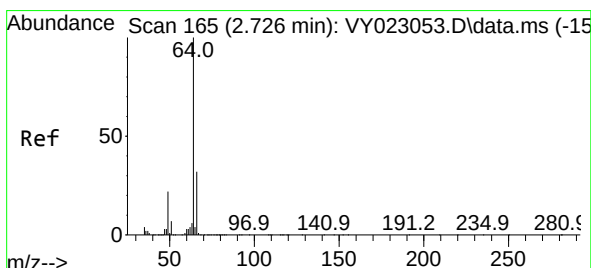
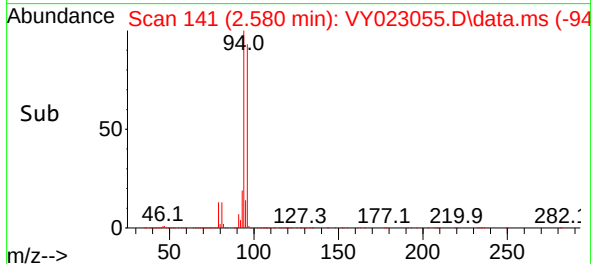
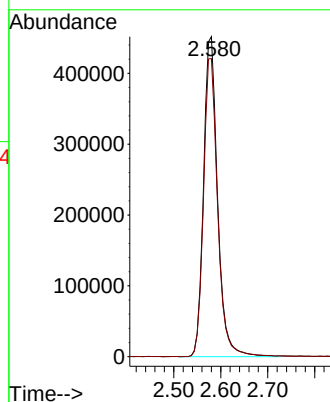
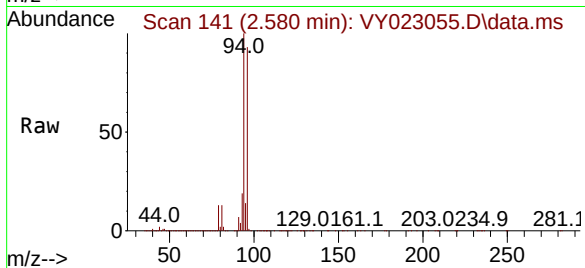




#5
Bromomethane
Concen: 142.770 ug/l
RT: 2.580 min Scan# 141
Delta R.T. -0.012 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

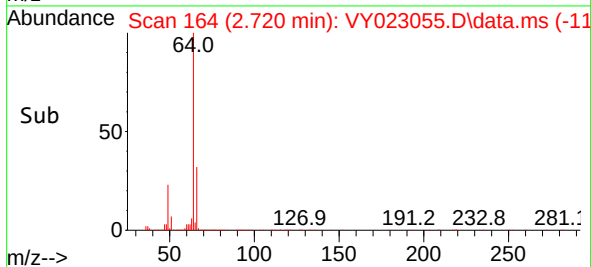
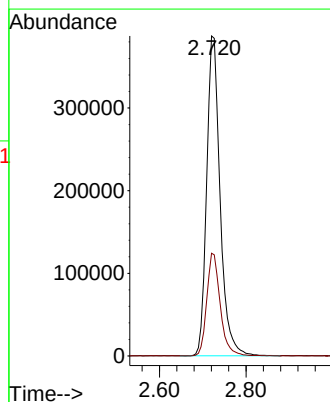
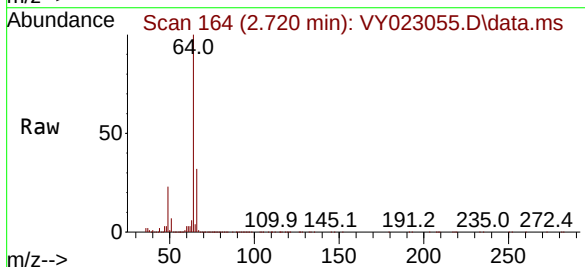
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

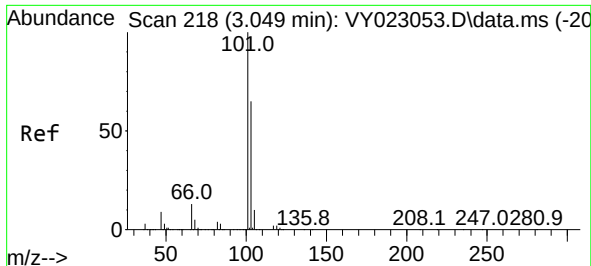
Tgt Ion: 94 Resp: 938717
Ion Ratio Lower Upper
94 100
96 93.2 74.6 112.0



#6
Chloroethane
Concen: 142.581 ug/l
RT: 2.720 min Scan# 164
Delta R.T. -0.006 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion: 64 Resp: 834547
Ion Ratio Lower Upper
64 100
66 32.1 25.8 38.6

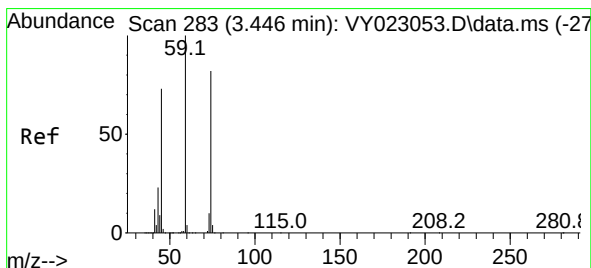
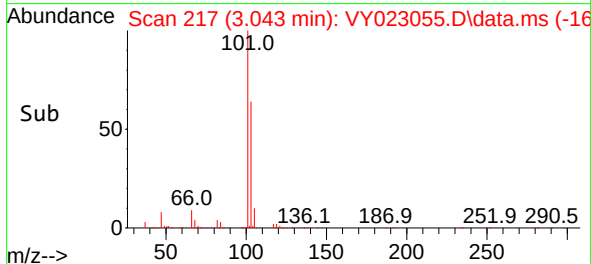
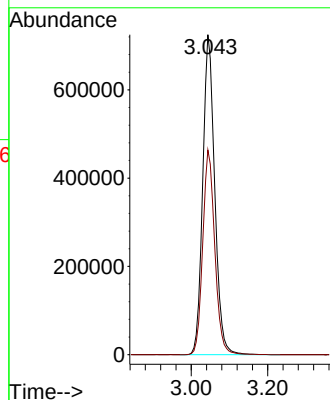
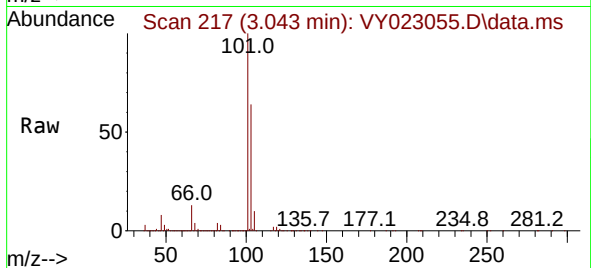




#7
 Trichlorofluoromethane
 Concen: 147.051 ug/l
 RT: 3.043 min Scan# 218
 Delta R.T. -0.006 min
 Lab File: VY023055.D
 Acq: 12 Aug 2025 16:47

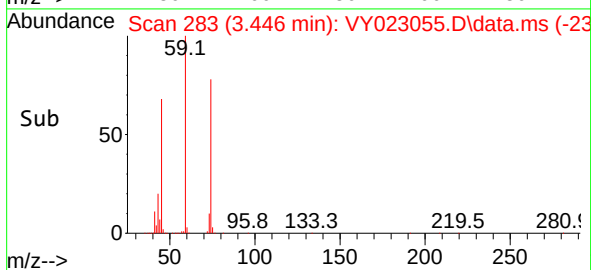
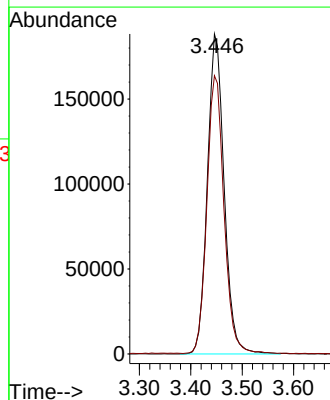
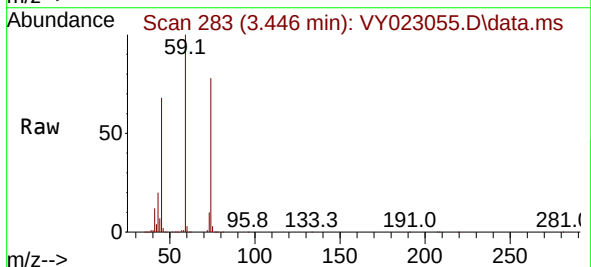
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC150

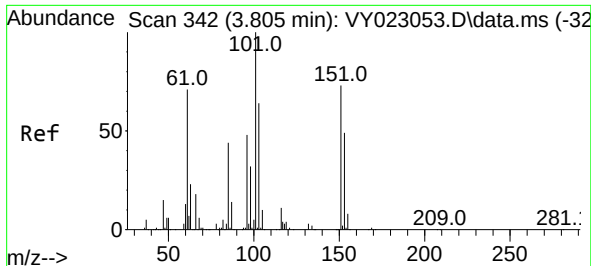
Tgt Ion:101 Resp: 1574213
 Ion Ratio Lower Upper
 101 100
 103 63.9 51.9 77.9



#8
 Diethyl Ether
 Concen: 150.496 ug/l
 RT: 3.446 min Scan# 283
 Delta R.T. 0.000 min
 Lab File: VY023055.D
 Acq: 12 Aug 2025 16:47

Tgt Ion: 74 Resp: 426242
 Ion Ratio Lower Upper
 74 100
 45 88.9 44.4 133.2

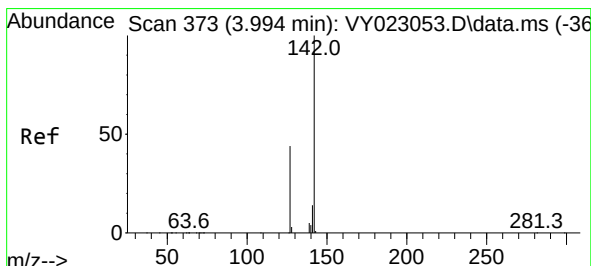
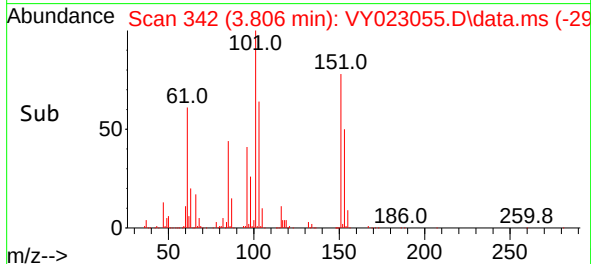
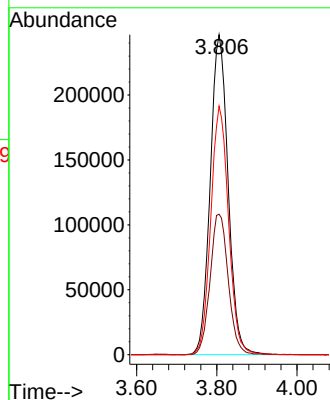
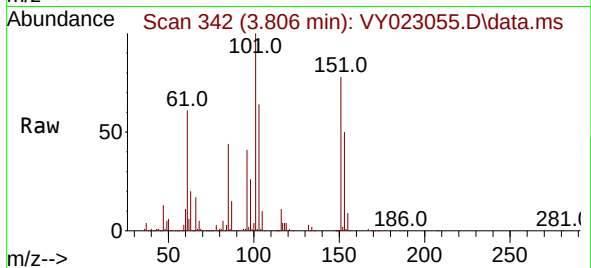




#9
1,1,2-Trichlorotrifluoroethane
Concen: 144.479 ug/l
RT: 3.806 min Scan# 342
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

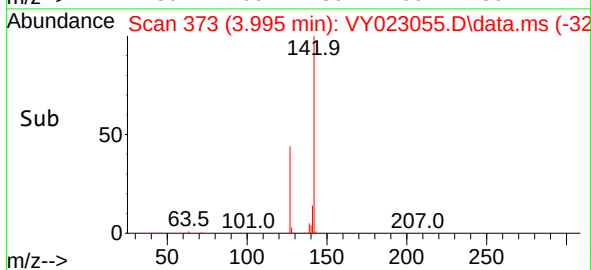
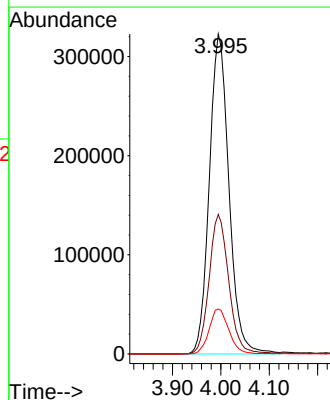
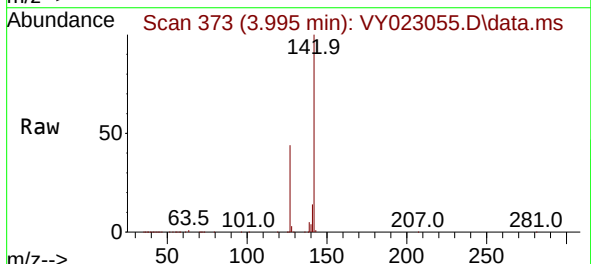
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

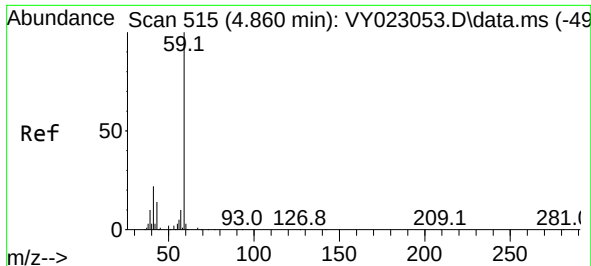
Tgt Ion:101 Resp: 763053
Ion Ratio Lower Upper
101 100
85 44.7 36.3 54.5
151 77.4 61.5 92.3



#10
Methyl Iodide
Concen: 159.567 ug/l
RT: 3.995 min Scan# 373
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion:142 Resp: 909378
Ion Ratio Lower Upper
142 100
127 43.7 34.9 52.3
141 14.2 11.3 16.9

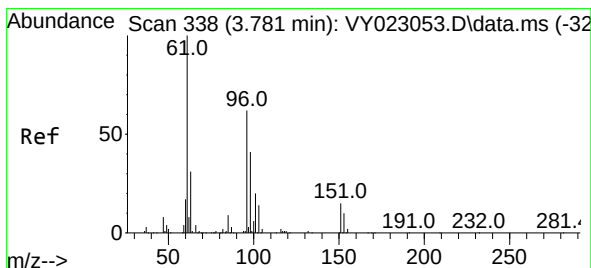
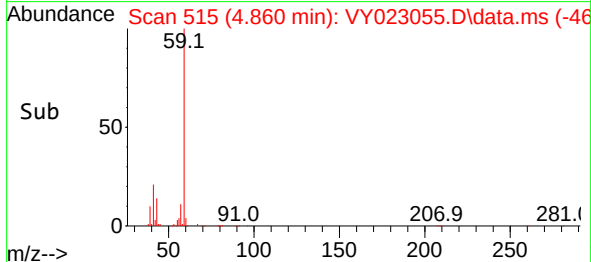
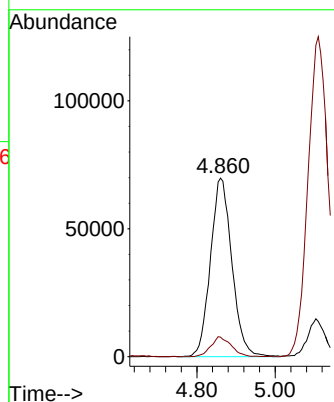
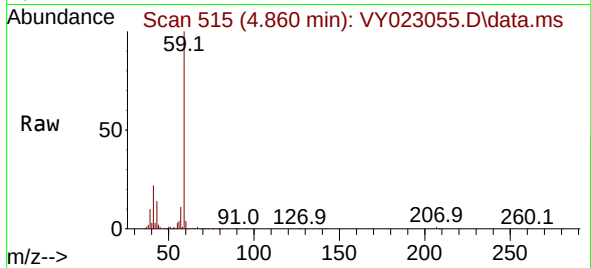




#11
Tert butyl alcohol
Concen: 753.967 ug/l
RT: 4.860 min Scan# 515
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

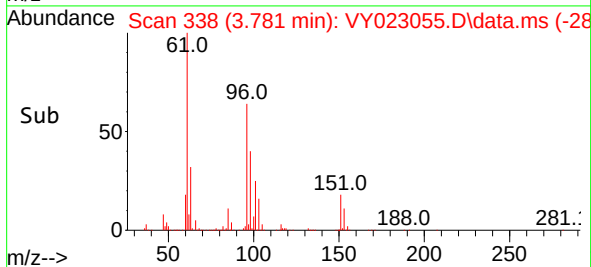
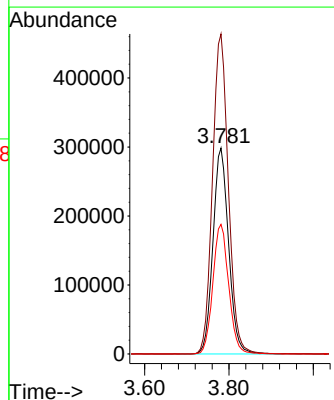
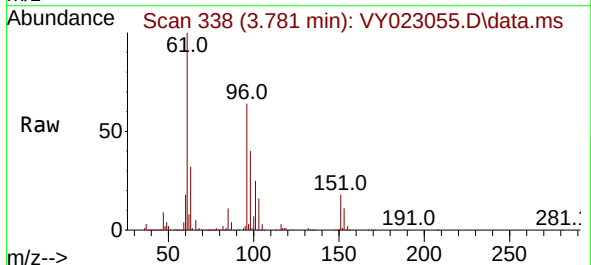
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

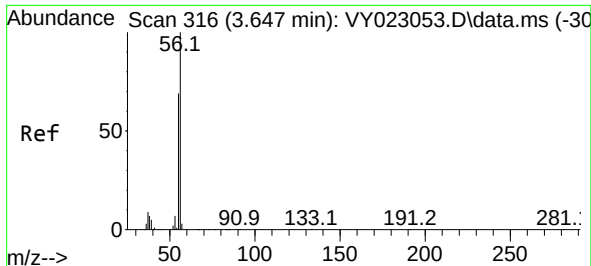
Tgt Ion: 59 Resp: 265243
Ion Ratio Lower Upper
59 100
57 10.7 8.6 13.0



#12
1,1-Dichloroethene
Concen: 147.960 ug/l
RT: 3.781 min Scan# 338
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion: 96 Resp: 768098
Ion Ratio Lower Upper
96 100
61 155.4 129.4 194.2
98 62.9 52.8 79.2

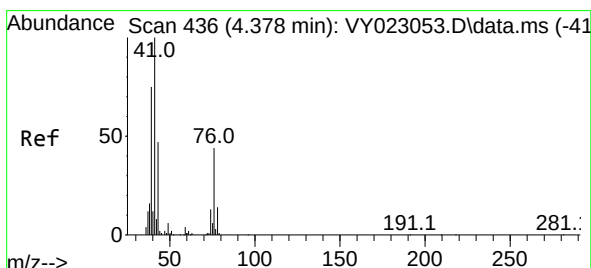
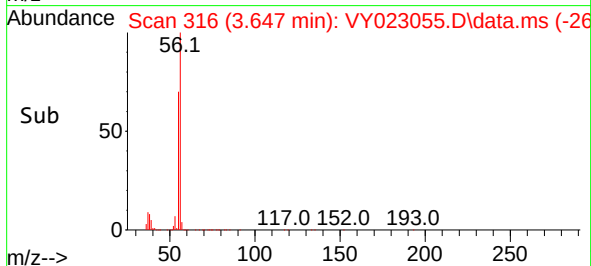
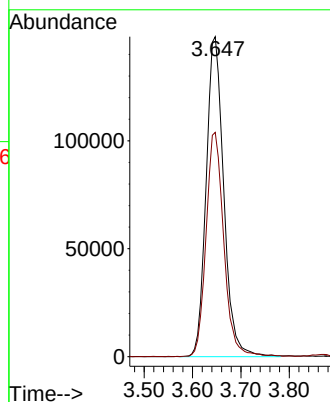
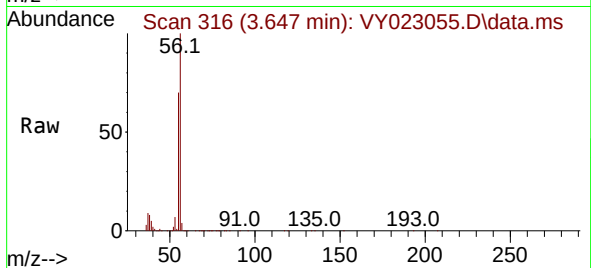




#13
Acrolein
Concen: 727.070 ug/l
RT: 3.647 min Scan# 316
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

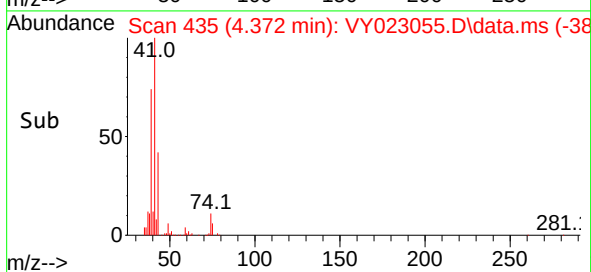
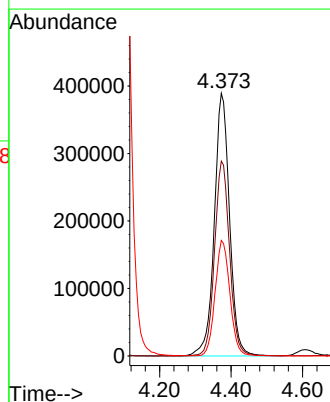
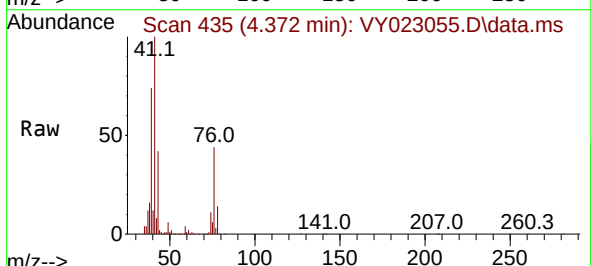
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

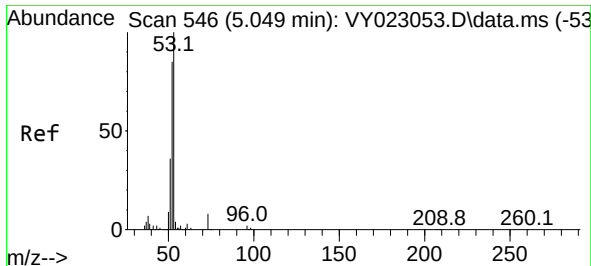
Tgt Ion: 56 Resp: 374594
Ion Ratio Lower Upper
56 100
55 70.6 55.2 82.8



#14
Allyl chloride
Concen: 150.707 ug/l
RT: 4.372 min Scan# 435
Delta R.T. -0.006 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion: 41 Resp: 1151194
Ion Ratio Lower Upper
41 100
39 73.2 59.8 89.6
76 42.6 33.7 50.5

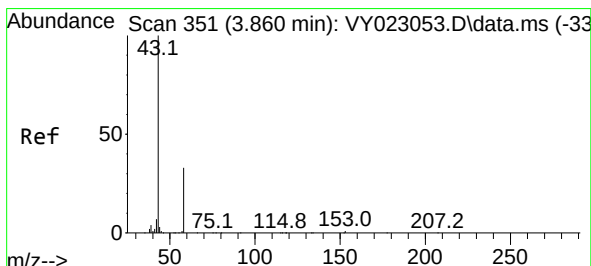
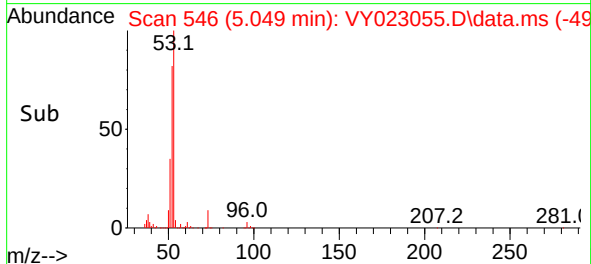
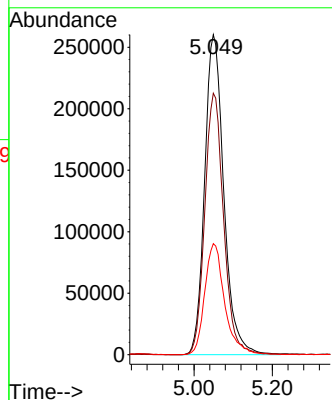
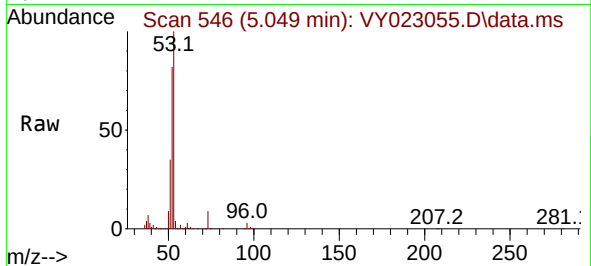




#15
Acrylonitrile
Concen: 767.115 ug/l
RT: 5.049 min Scan# 546
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

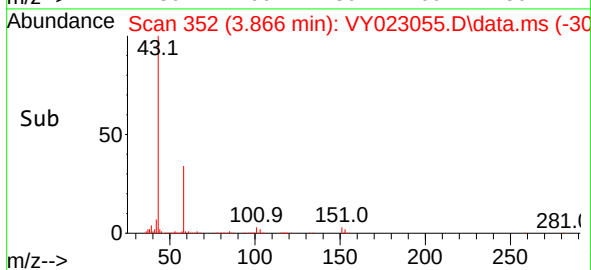
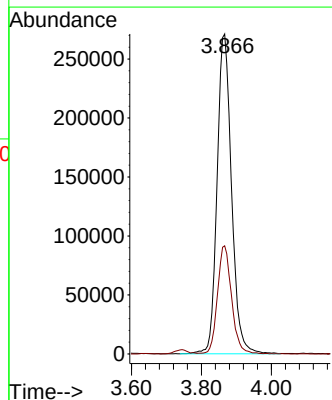
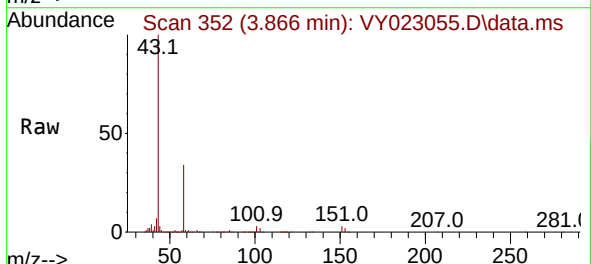
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

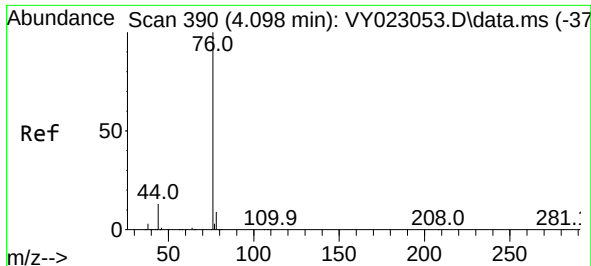
Tgt Ion: 53 Resp: 883293
Ion Ratio Lower Upper
53 100
52 80.4 65.3 97.9
51 36.2 29.5 44.3



#16
Acetone
Concen: 699.133 ug/l
RT: 3.866 min Scan# 352
Delta R.T. 0.006 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion: 43 Resp: 777658
Ion Ratio Lower Upper
43 100
58 33.7 27.1 40.7

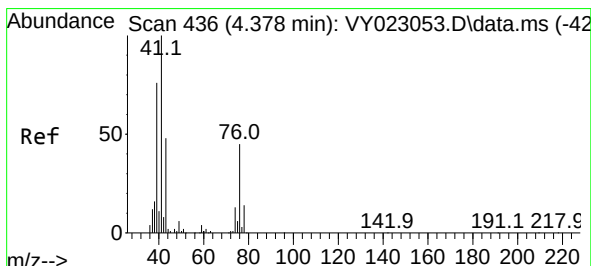
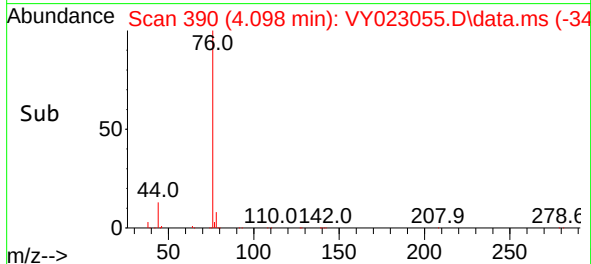
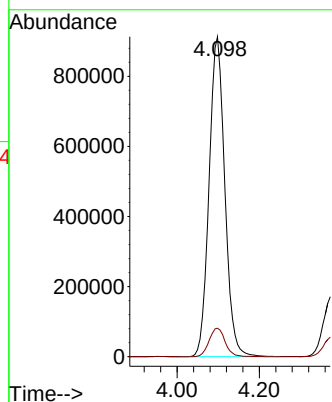
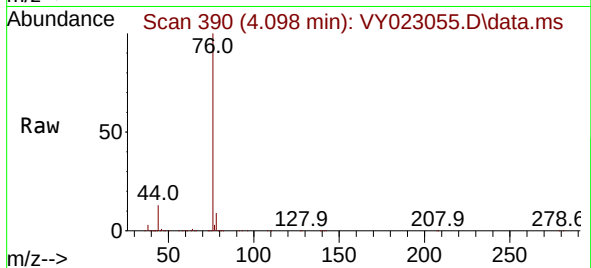




#17
Carbon Disulfide
Concen: 143.357 ug/l
RT: 4.098 min Scan# 390
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

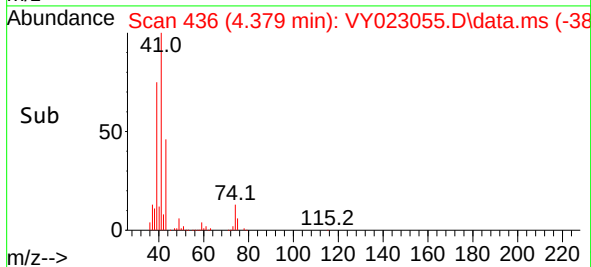
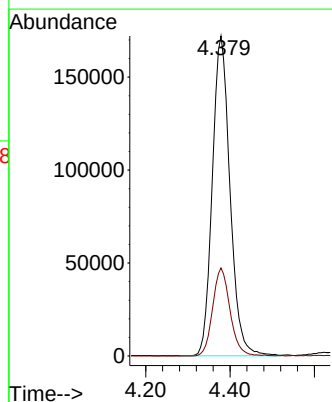
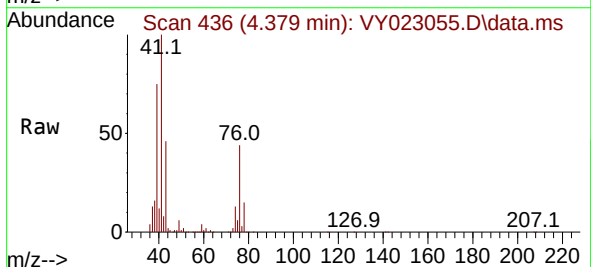
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

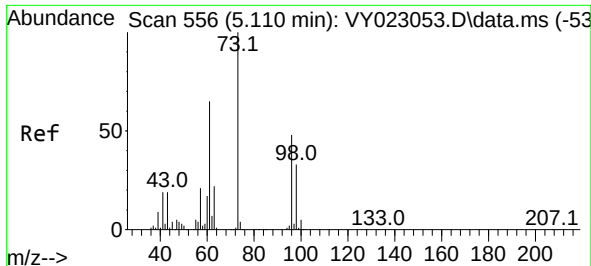
Tgt Ion: 76 Resp: 2426564
Ion Ratio Lower Upper
76 100
78 8.9 7.4 11.2



#18
Methyl Acetate
Concen: 151.100 ug/l
RT: 4.379 min Scan# 436
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion: 43 Resp: 500151
Ion Ratio Lower Upper
43 100
74 27.1 21.2 31.8

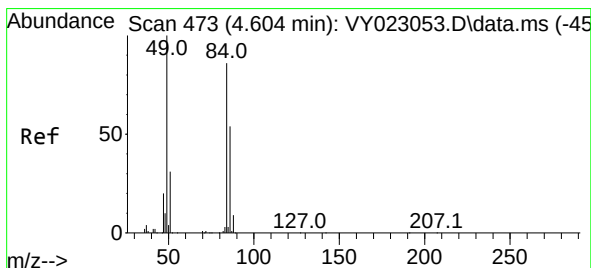
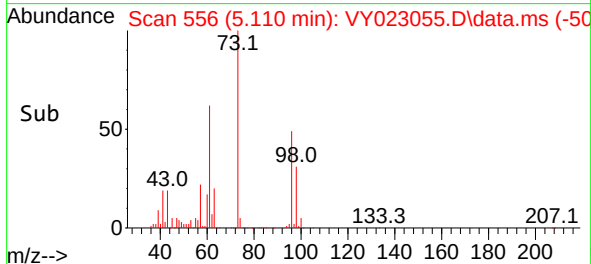
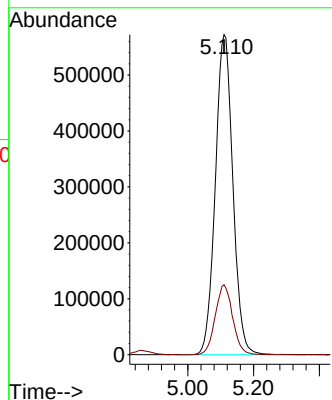
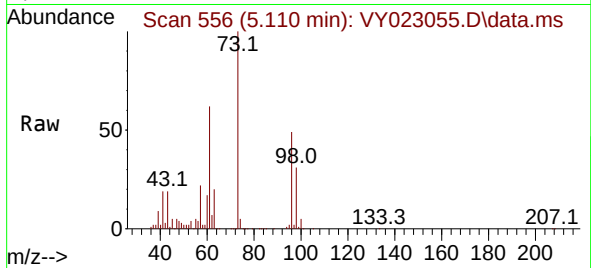




#19
Methyl tert-butyl Ether
Concen: 157.144 ug/l
RT: 5.110 min Scan# 511
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

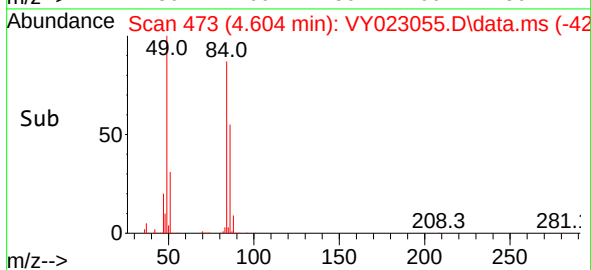
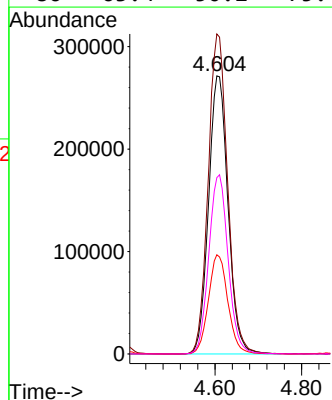
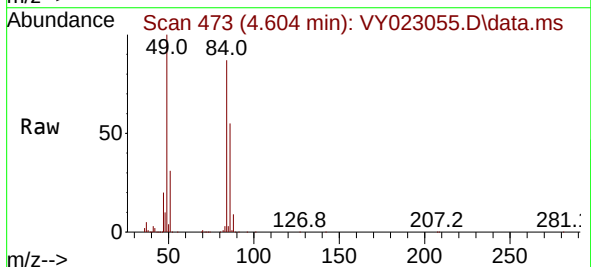
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

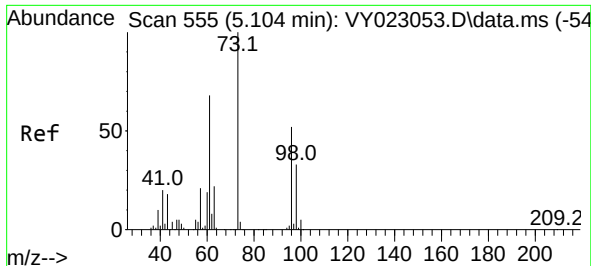
Tgt Ion: 73 Resp: 2113920
Ion Ratio Lower Upper
73 100
57 21.9 17.1 25.7



#20
Methylene Chloride
Concen: 152.064 ug/l
RT: 4.604 min Scan# 473
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion: 84 Resp: 846955
Ion Ratio Lower Upper
84 100
49 115.1 93.0 139.6
51 35.7 29.0 43.4
86 63.4 50.2 75.4

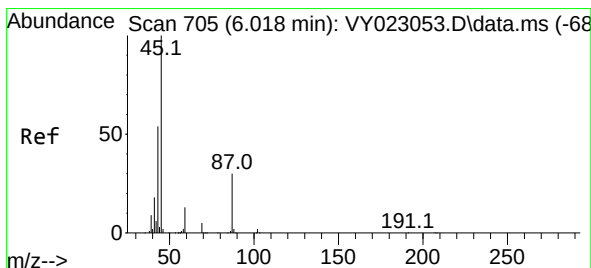
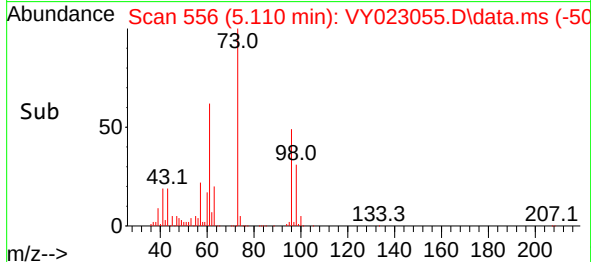
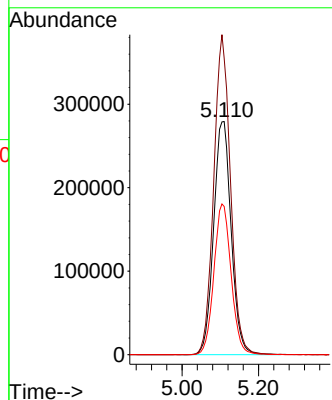
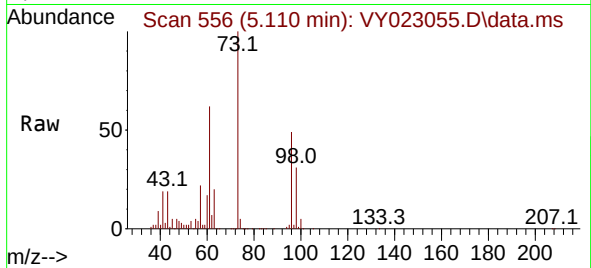




#21
trans-1,2-Dichloroethene
Concen: 152.474 ug/l
RT: 5.110 min Scan# 51
Delta R.T. 0.006 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

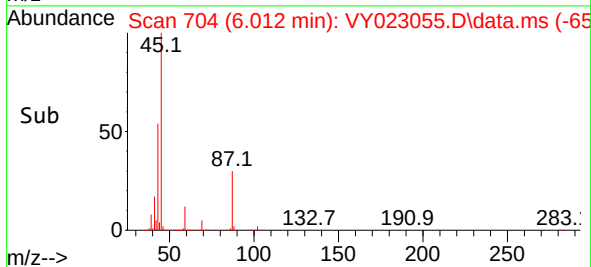
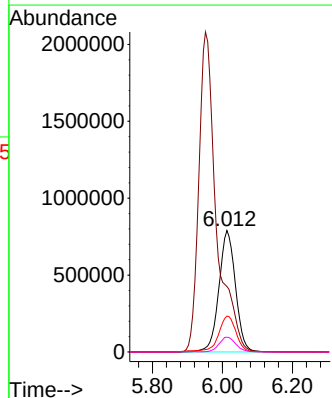
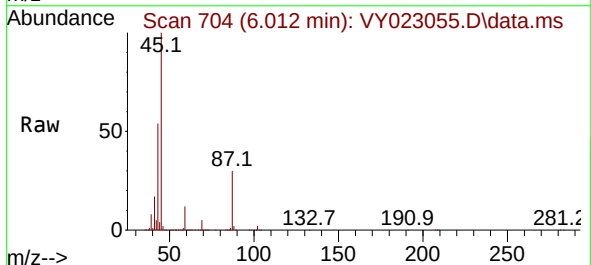
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

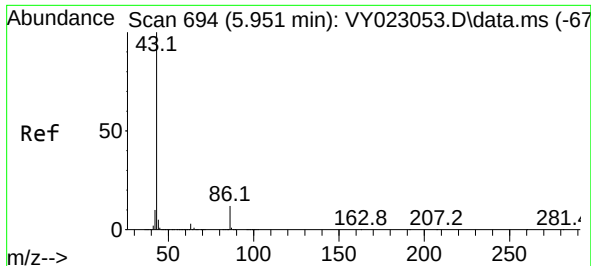
Tgt Ion: 96 Resp: 889517
Ion Ratio Lower Upper
96 100
61 127.0 104.8 157.2
98 63.5 50.1 75.1



#22
Diisopropyl ether
Concen: 156.307 ug/l
RT: 6.012 min Scan# 704
Delta R.T. -0.006 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion: 45 Resp: 2594499
Ion Ratio Lower Upper
45 100
43 53.8 43.4 65.0
87 29.5 24.4 36.6
59 12.1 10.2 15.4

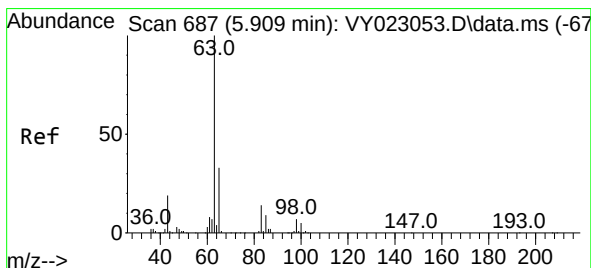
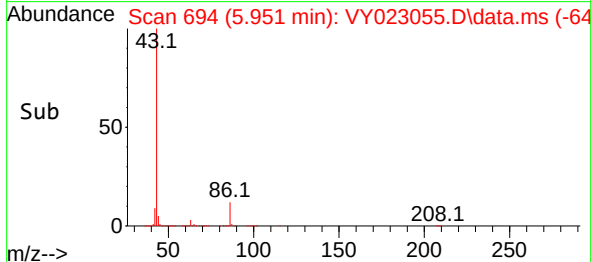
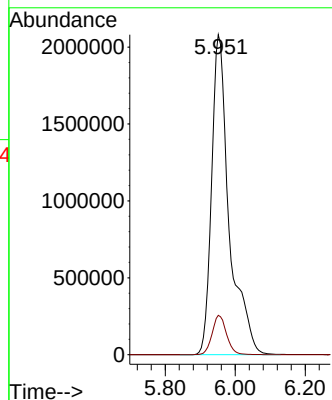
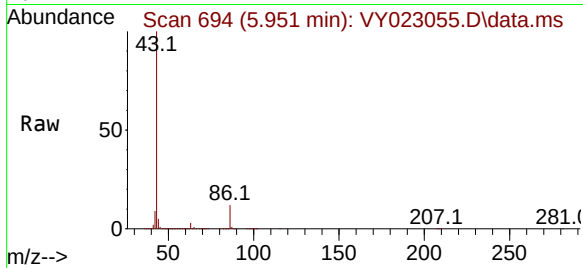




#23
 Vinyl Acetate
 Concen: 791.851 ug/l
 RT: 5.951 min Scan# 694
 Delta R.T. 0.000 min
 Lab File: VY023055.D
 Acq: 12 Aug 2025 16:47

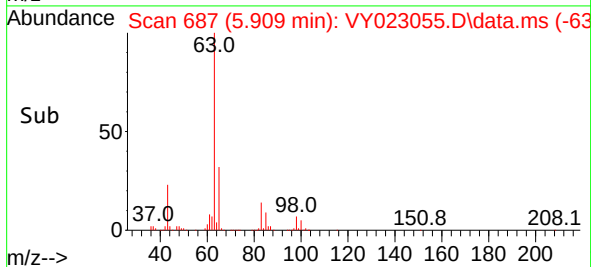
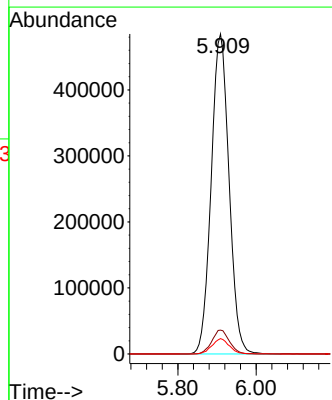
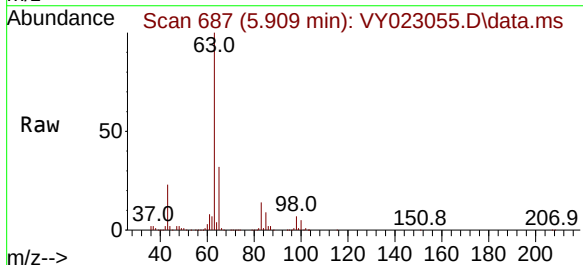
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC150

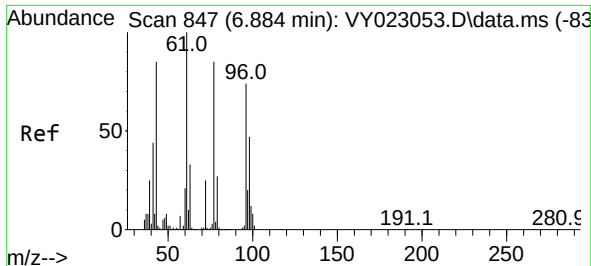
Tgt Ion: 43 Resp: 7267824
 Ion Ratio Lower Upper
 43 100
 86 12.3 9.6 14.4



#24
 1,1-Dichloroethane
 Concen: 150.534 ug/l
 RT: 5.909 min Scan# 687
 Delta R.T. 0.000 min
 Lab File: VY023055.D
 Acq: 12 Aug 2025 16:47

Tgt Ion: 63 Resp: 1527663
 Ion Ratio Lower Upper
 63 100
 98 7.4 3.5 10.6
 100 4.8 2.4 7.1

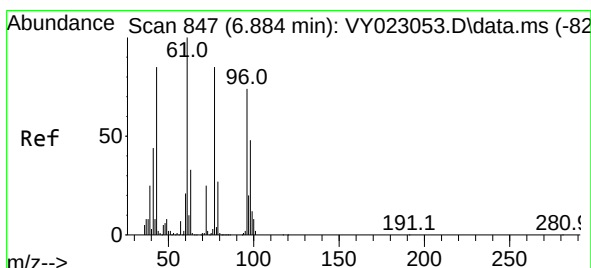
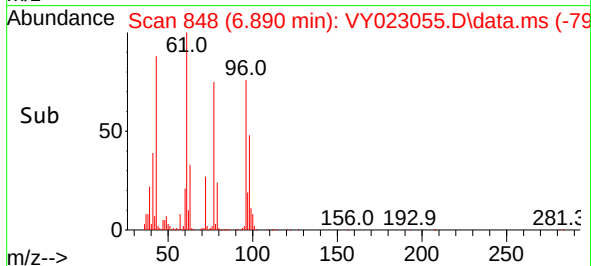
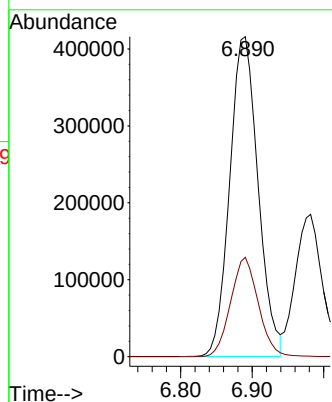
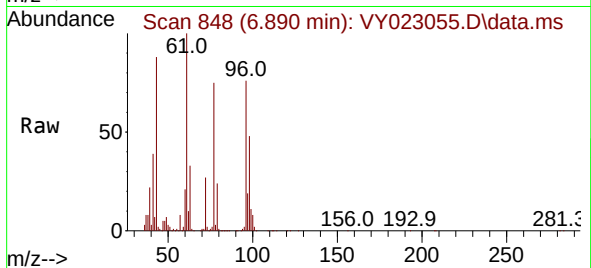




#25
2-Butanone
Concen: 756.289 ug/l
RT: 6.890 min Scan# 847
Delta R.T. 0.006 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

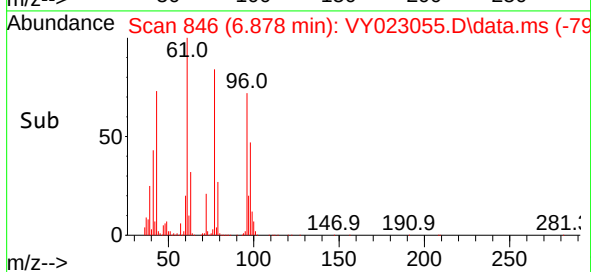
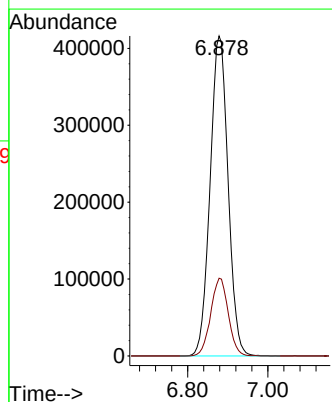
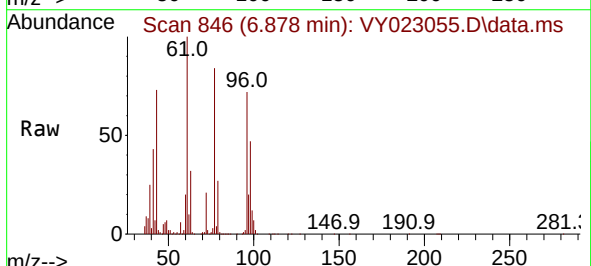
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

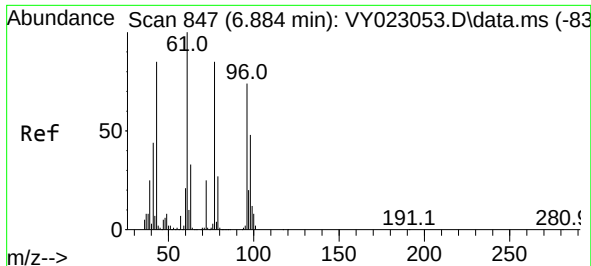
Tgt Ion: 43 Resp: 1144112
Ion Ratio Lower Upper
43 100
72 31.1 23.5 35.3



#26
2,2-Dichloropropane
Concen: 147.663 ug/l
RT: 6.878 min Scan# 846
Delta R.T. -0.006 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion: 77 Resp: 1293043
Ion Ratio Lower Upper
77 100
97 23.8 11.6 34.8





#27

cis-1,2-Dichloroethene

Concen: 155.348 ug/l

RT: 6.884 min Scan# 847

Delta R.T. 0.000 min

Lab File: VY023055.D

Acq: 12 Aug 2025 16:47

Instrument :

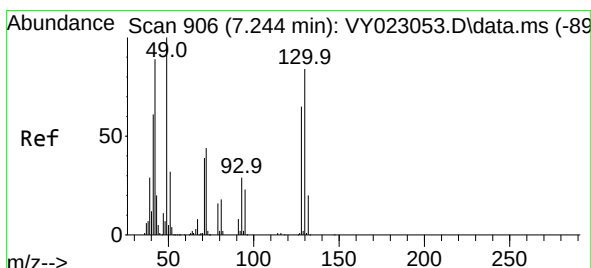
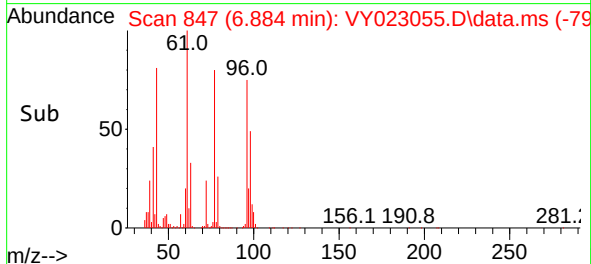
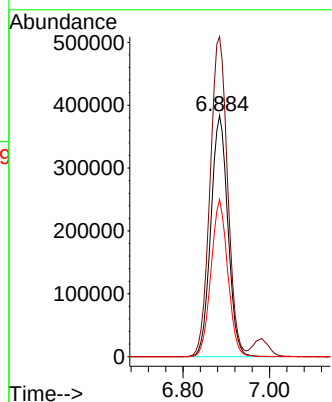
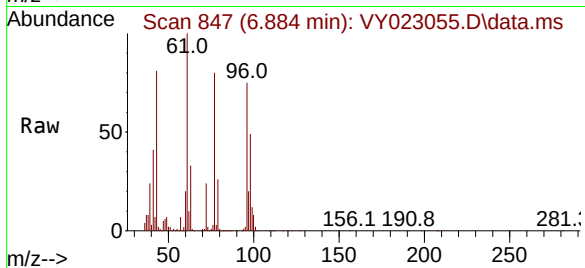
MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion: 96 Resp: 1047717

Ion	Ratio	Lower	Upper
96	100		
61	136.6	0.0	278.6
98	64.1	0.0	130.4



#28

Bromochloromethane

Concen: 148.984 ug/l

RT: 7.238 min Scan# 905

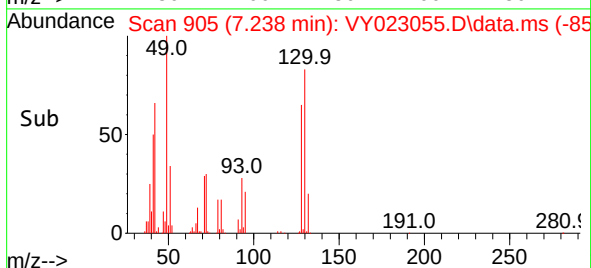
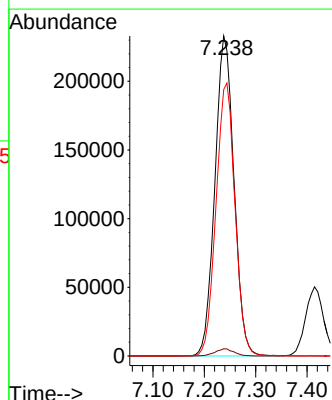
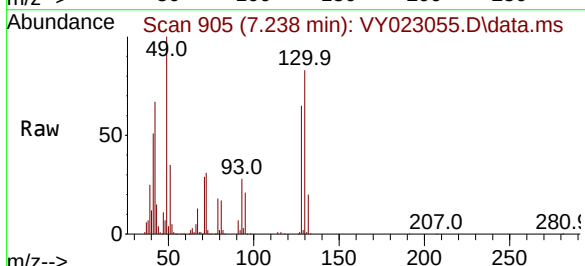
Delta R.T. -0.006 min

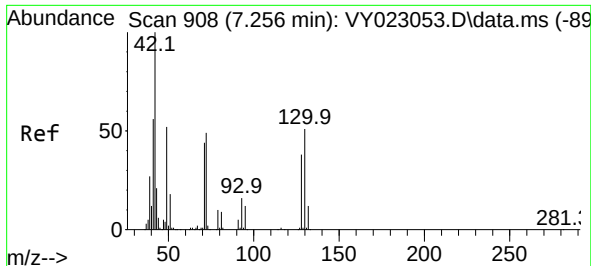
Lab File: VY023055.D

Acq: 12 Aug 2025 16:47

Tgt Ion: 49 Resp: 599841

Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.2
130	84.9	66.4	99.6





#29

Tetrahydrofuran

Concen: 783.186 ug/l

RT: 7.256 min Scan# 908

Delta R.T. 0.000 min

Lab File: VY023055.D

Acq: 12 Aug 2025 16:47

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC150

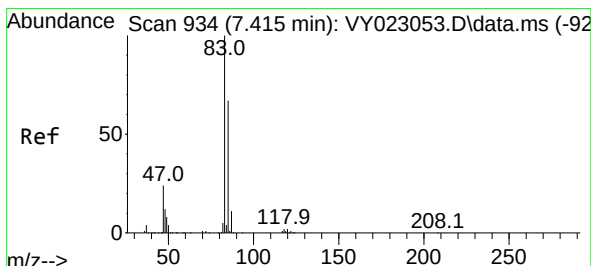
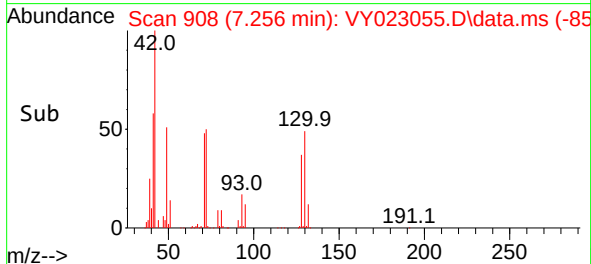
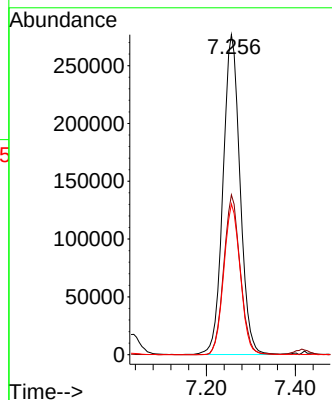
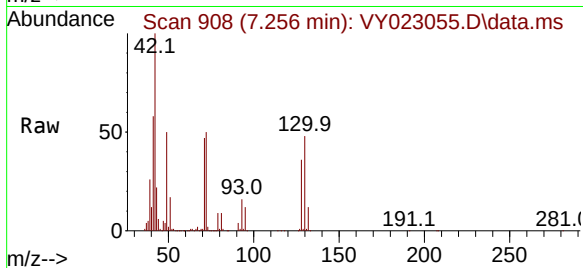
Tgt Ion: 42 Resp: 734408

Ion Ratio Lower Upper

42 100

72 48.3 39.4 59.2

71 45.8 36.5 54.7



#30

Chloroform

Concen: 151.505 ug/l

RT: 7.415 min Scan# 934

Delta R.T. 0.000 min

Lab File: VY023055.D

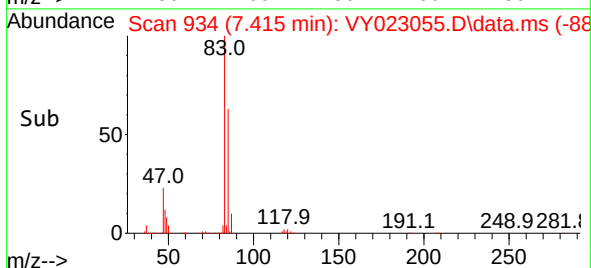
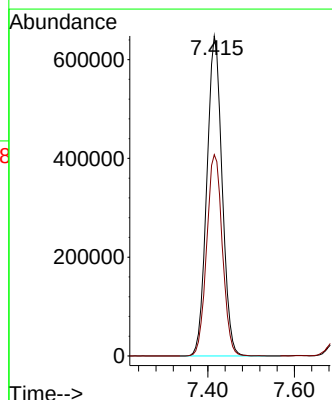
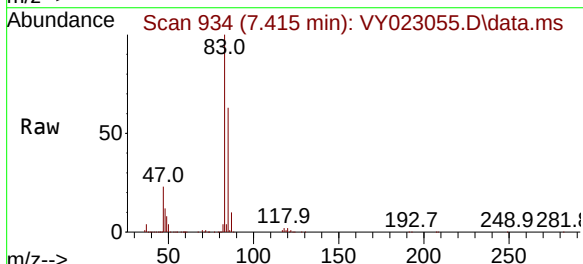
Acq: 12 Aug 2025 16:47

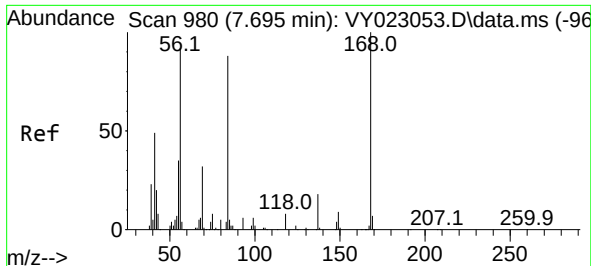
Tgt Ion: 83 Resp: 1585686

Ion Ratio Lower Upper

83 100

85 62.9 53.8 80.8

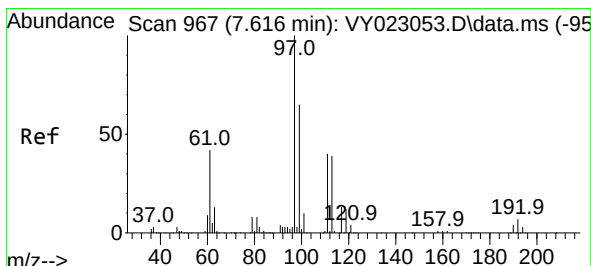
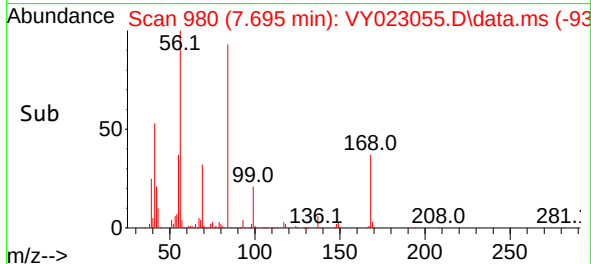
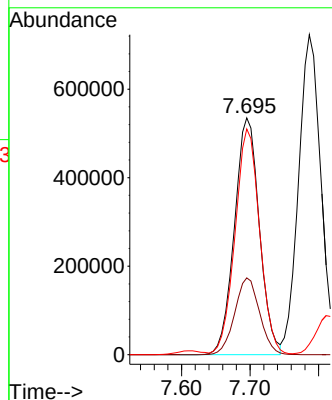
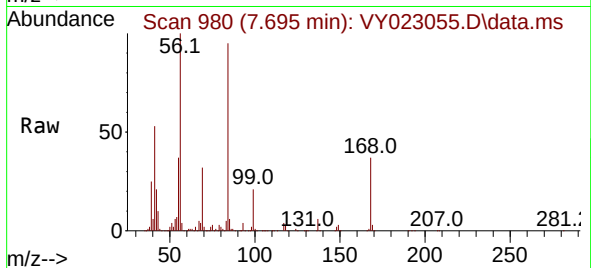




#31
Cyclohexane
Concen: 141.586 ug/l
RT: 7.695 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

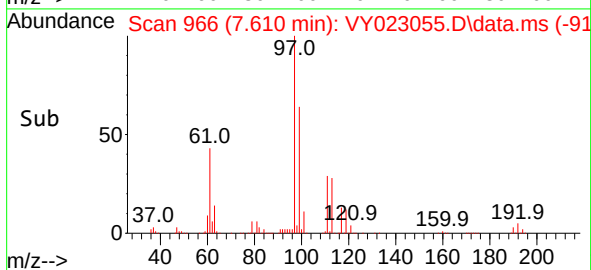
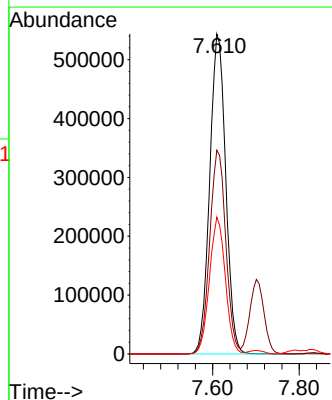
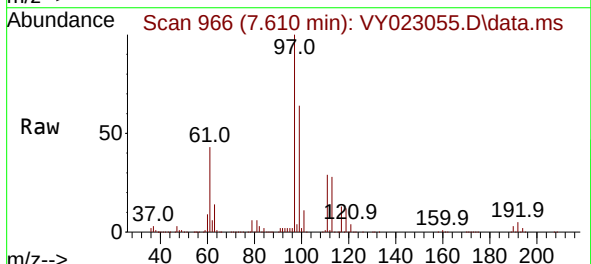
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

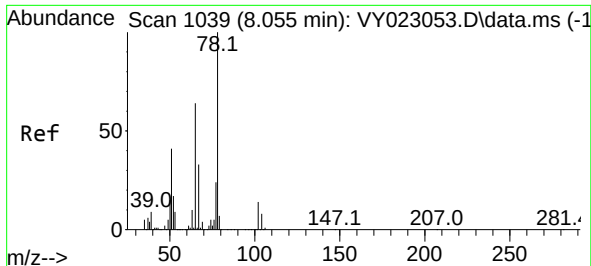
Tgt Ion: 56 Resp: 1354021
Ion Ratio Lower Upper
56 100
69 32.4 28.2 42.2
84 94.2 76.6 114.8



#32
1,1,1-Trichloroethane
Concen: 150.372 ug/l
RT: 7.610 min Scan# 966
Delta R.T. -0.006 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion: 97 Resp: 1396470
Ion Ratio Lower Upper
97 100
99 64.3 51.6 77.4
61 42.4 34.2 51.2





#33

1,2-Dichloroethane-d4

Concen: 145.480 ug/l

RT: 8.055 min Scan# 1039

Delta R.T. 0.000 min

Lab File: VY023055.D

Acq: 12 Aug 2025 16:47

Instrument :

MSVOA_Y

ClientSampleId :

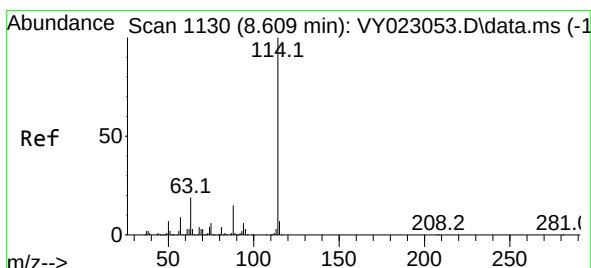
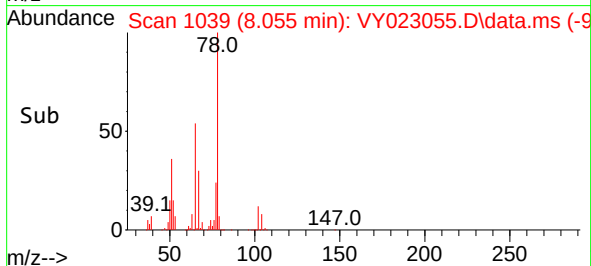
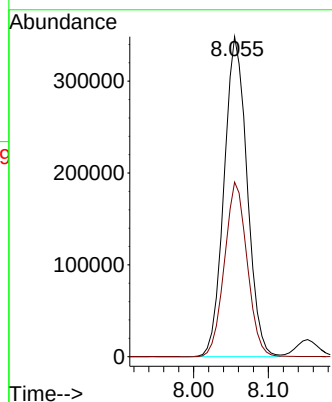
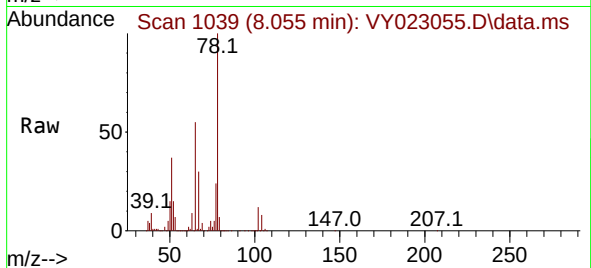
VSTDICC150

Tgt Ion: 65 Resp: 746936

Ion Ratio Lower Upper

65 100

67 53.8 0.0 106.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.610 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VY023055.D

Acq: 12 Aug 2025 16:47

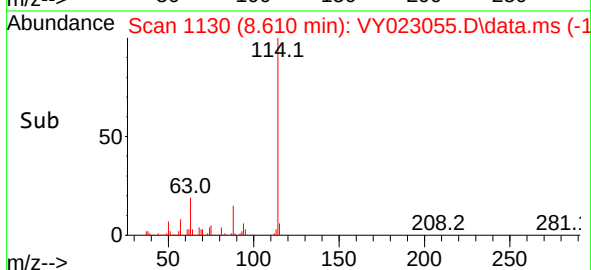
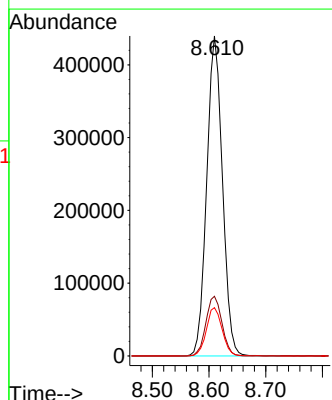
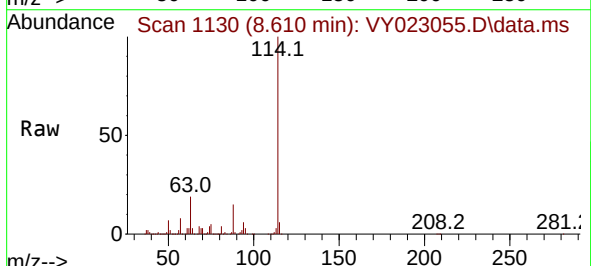
Tgt Ion: 114 Resp: 844092

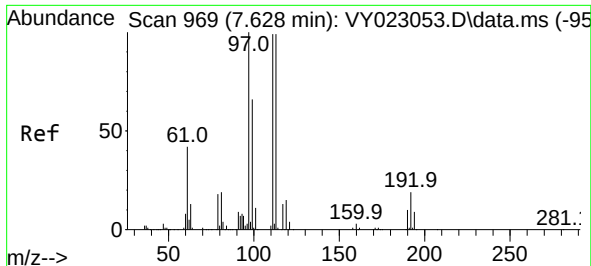
Ion Ratio Lower Upper

114 100

63 18.7 0.0 38.4

88 15.1 0.0 30.0

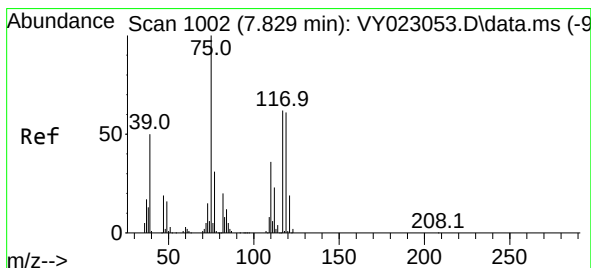
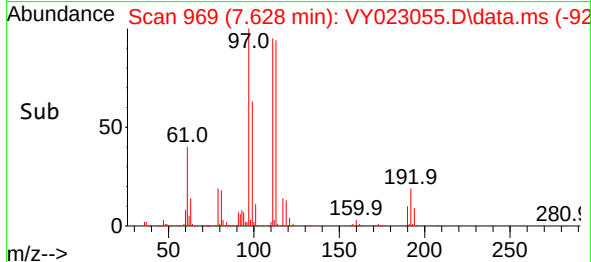
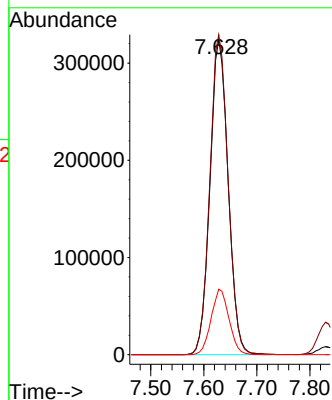
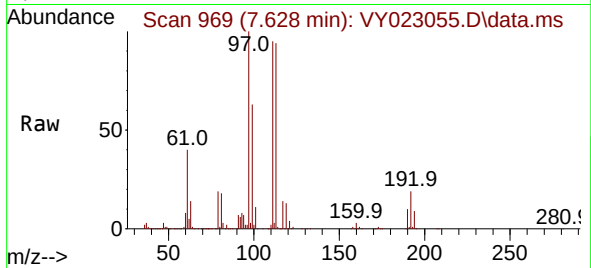




#35
Dibromofluoromethane
Concen: 152.837 ug/l
RT: 7.628 min Scan# 969
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

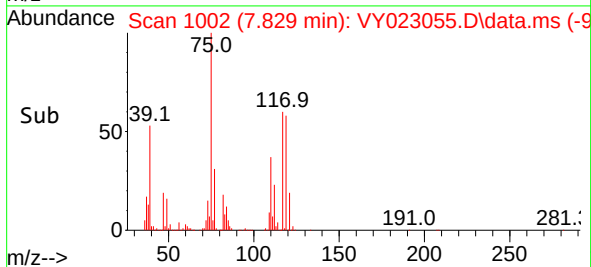
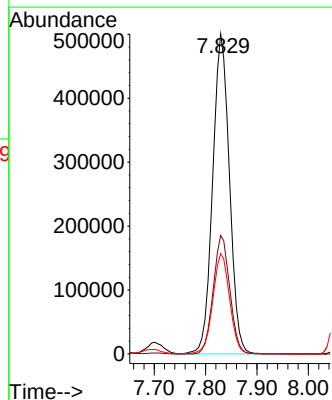
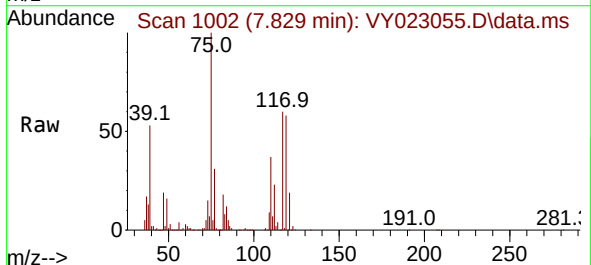
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

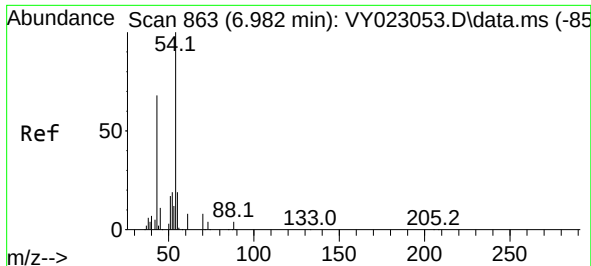
Tgt Ion:113 Resp: 771944
Ion Ratio Lower Upper
113 100
111 101.8 81.1 121.7
192 20.4 16.2 24.4



#36
1,1-Dichloropropene
Concen: 150.850 ug/l
RT: 7.829 min Scan# 1002
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion: 75 Resp: 1132306
Ion Ratio Lower Upper
75 100
110 36.5 18.1 54.4
77 31.5 24.6 37.0





#37

Ethyl Acetate

Concen: 156.788 ug/l

RT: 6.982 min Scan# 80

Delta R.T. 0.000 min

Lab File: VY023055.D

Acq: 12 Aug 2025 16:47

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

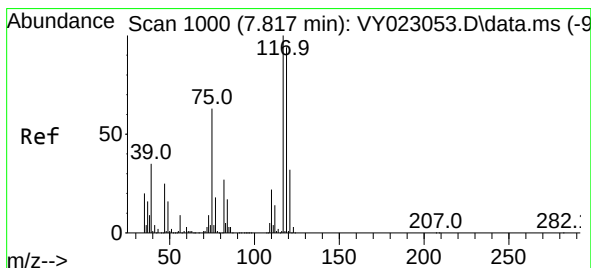
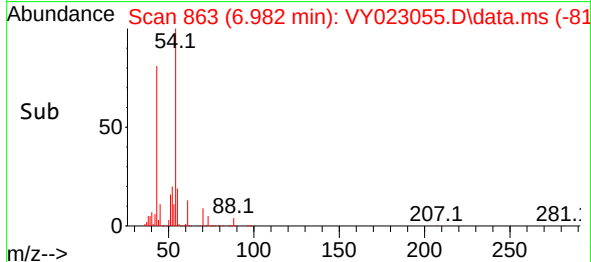
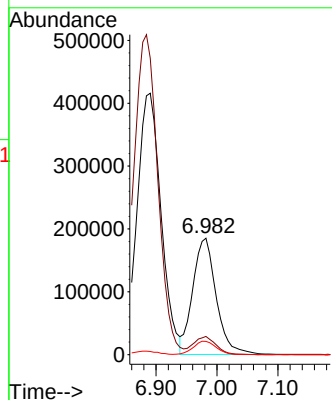
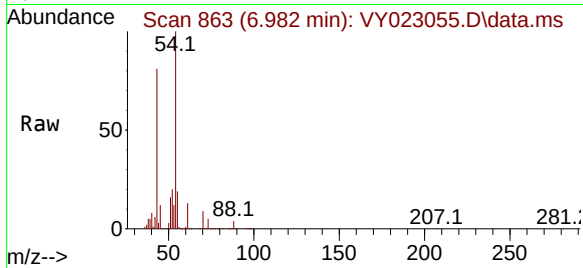
Tgt Ion: 43 Resp: 494371

Ion Ratio Lower Upper

43 100

61 15.1 11.9 17.9

70 11.4 8.8 13.2



#38

Carbon Tetrachloride

Concen: 150.478 ug/l

RT: 7.811 min Scan# 999

Delta R.T. -0.006 min

Lab File: VY023055.D

Acq: 12 Aug 2025 16:47

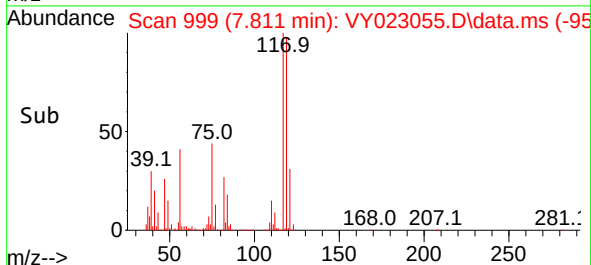
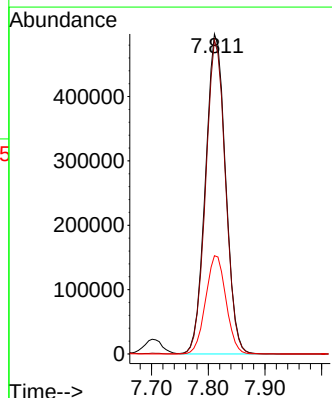
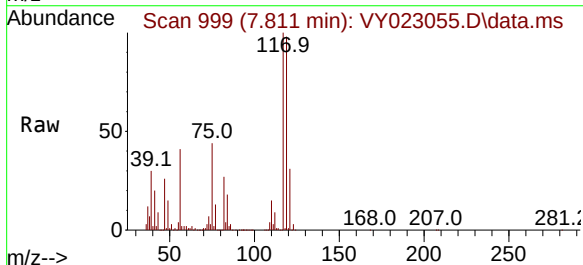
Tgt Ion: 117 Resp: 1226800

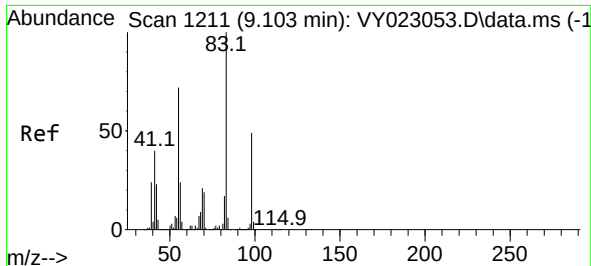
Ion Ratio Lower Upper

117 100

119 98.1 75.6 113.4

121 30.7 25.8 38.8





#39

Methylcyclohexane

Concen: 157.417 ug/l

RT: 9.103 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY023055.D

Acq: 12 Aug 2025 16:47

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC150

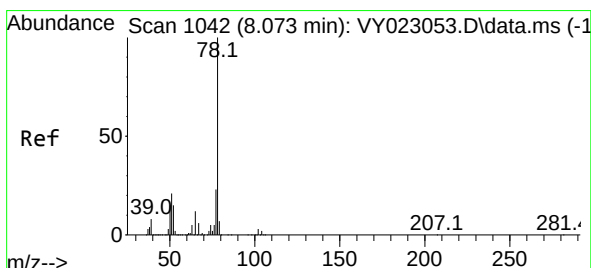
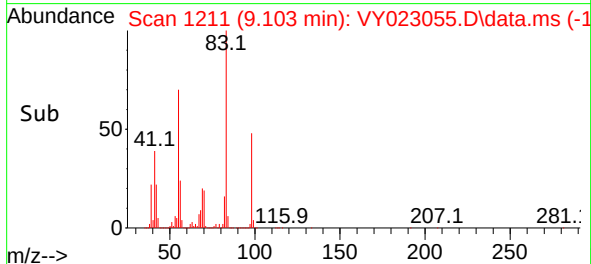
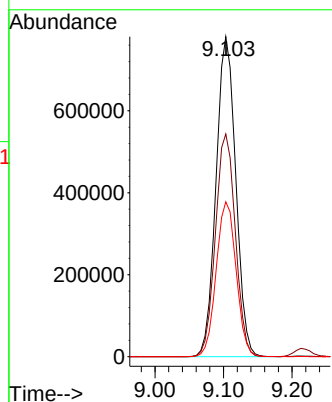
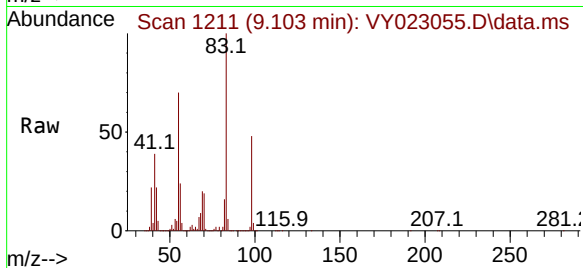
Tgt Ion: 83 Resp: 1556004

Ion Ratio Lower Upper

83 100

55 69.6 57.6 86.4

98 48.4 39.2 58.8



#40

Benzene

Concen: 152.720 ug/l

RT: 8.073 min Scan# 1042

Delta R.T. 0.000 min

Lab File: VY023055.D

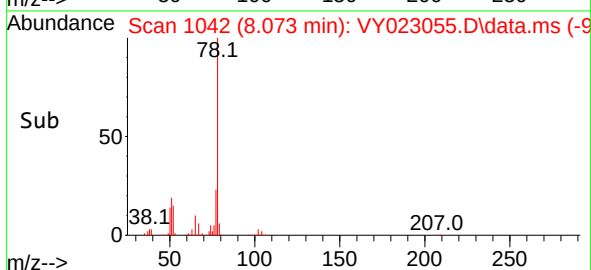
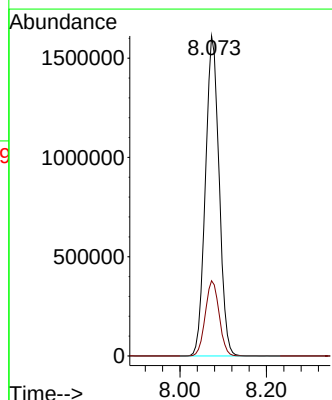
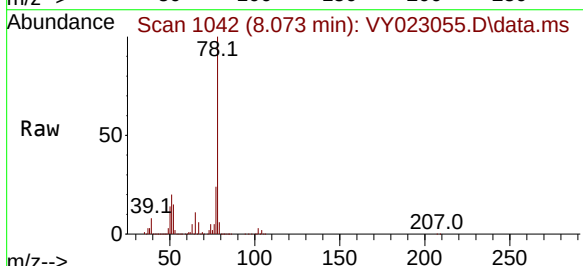
Acq: 12 Aug 2025 16:47

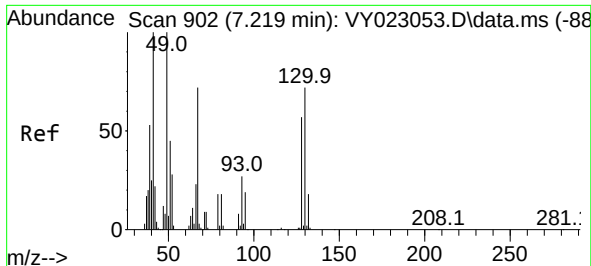
Tgt Ion: 78 Resp: 3533174

Ion Ratio Lower Upper

78 100

77 23.5 18.6 28.0



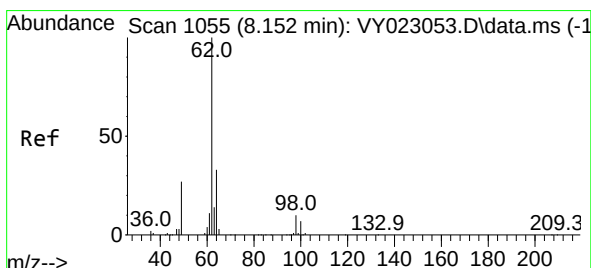
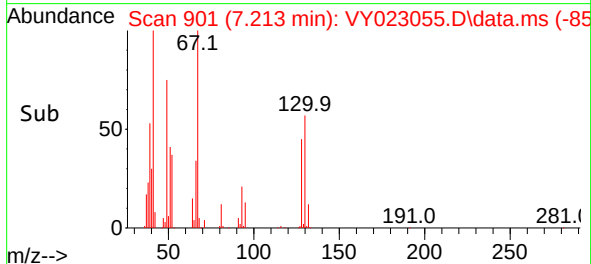
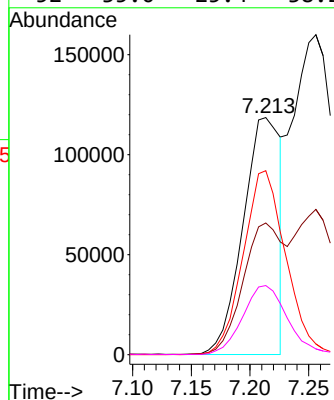
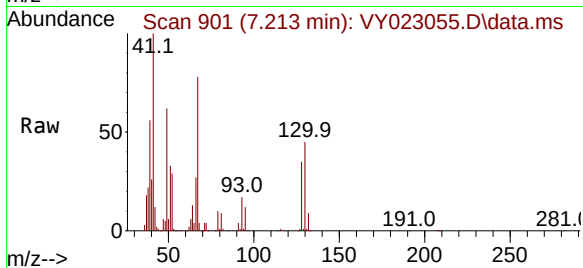


#41
Methacrylonitrile
Concen: 143.669 ug/l
RT: 7.213 min Scan# 901
Delta R.T. -0.006 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tgt Ion: 41 Resp: 261721

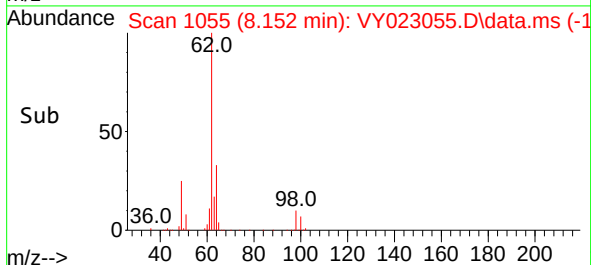
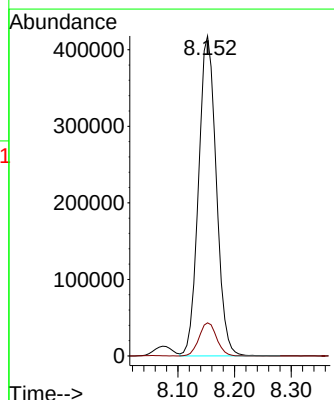
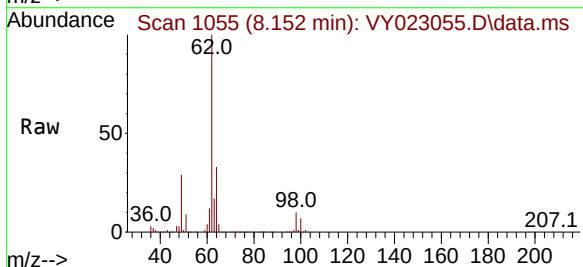
Ion	Ratio	Lower	Upper
41	100		
39	62.2	43.4	65.2
67	89.0	63.6	95.4
52	35.0	25.4	38.2

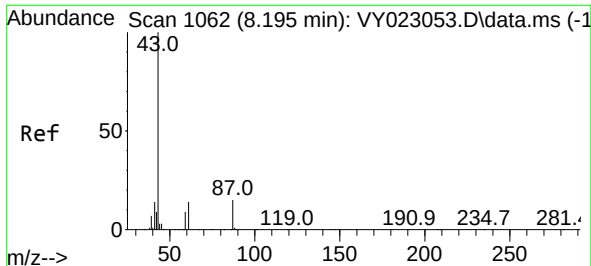


#42
1,2-Dichloroethane
Concen: 151.078 ug/l
RT: 8.152 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion: 62 Resp: 909030

Ion	Ratio	Lower	Upper
62	100		
98	10.3	0.0	20.6



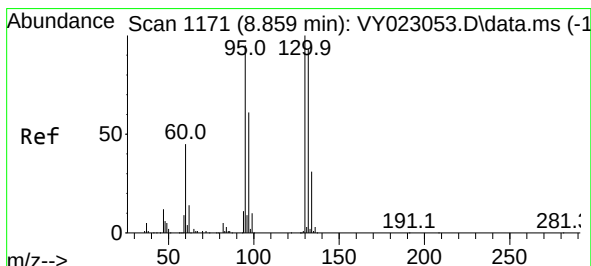
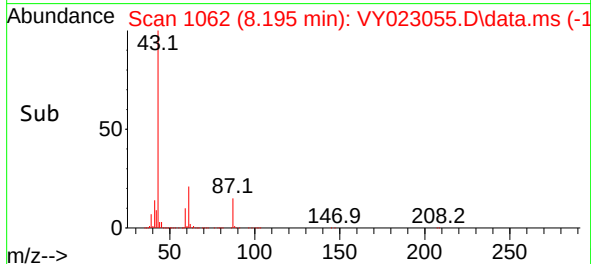
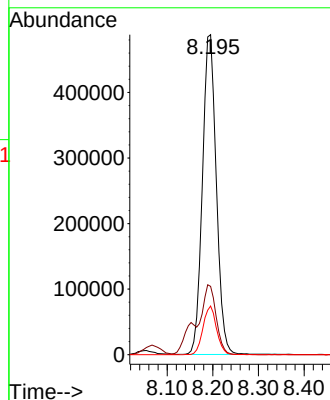
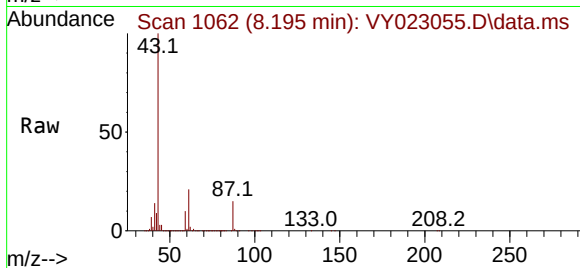


#43
Isopropyl Acetate
Concen: 161.596 ug/l
RT: 8.195 min Scan# 1062
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tgt Ion: 43 Resp: 1029854

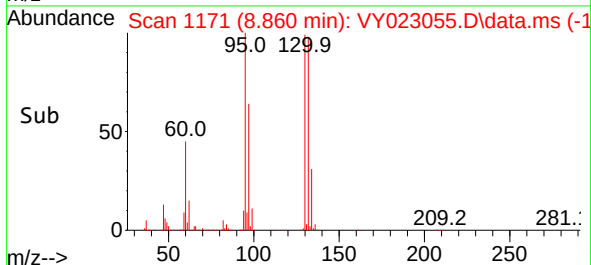
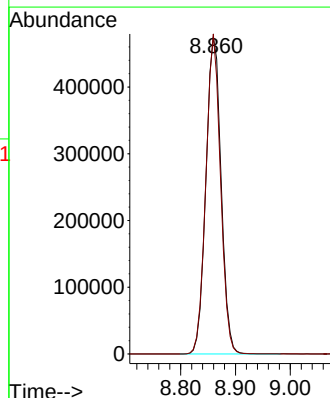
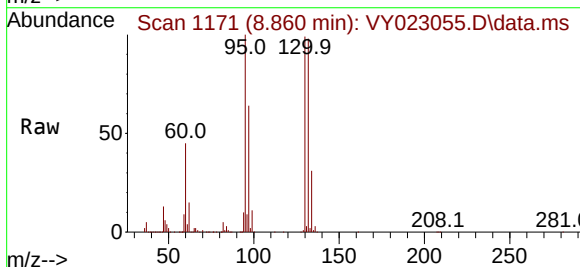
Ion	Ratio	Lower	Upper
43	100		
61	22.1	16.4	24.6
87	14.8	11.8	17.6

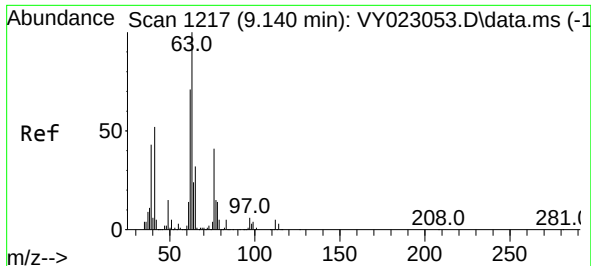


#44
Trichloroethene
Concen: 152.126 ug/l
RT: 8.860 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion: 130 Resp: 909510

Ion	Ratio	Lower	Upper
130	100		
95	101.0	0.0	190.2





#45

1,2-Dichloropropane

Concen: 154.426 ug/l

RT: 9.134 min Scan# 1216

Delta R.T. -0.006 min

Lab File: VY023055.D

Acq: 12 Aug 2025 16:47

Instrument :

MSVOA_Y

ClientSampleId :

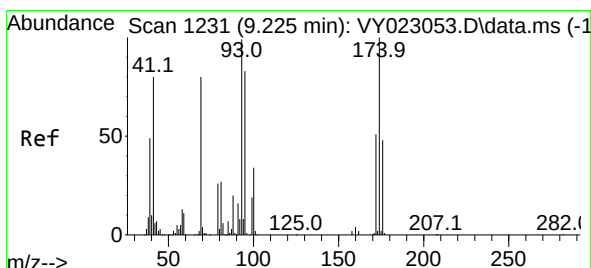
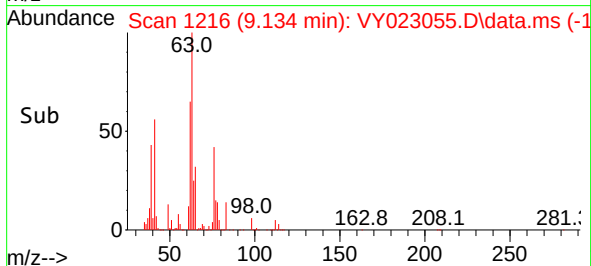
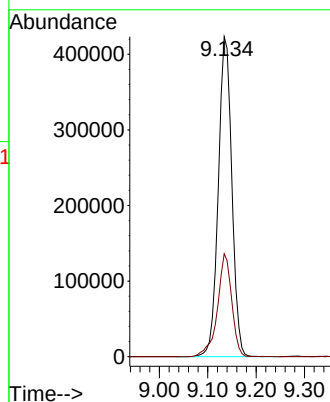
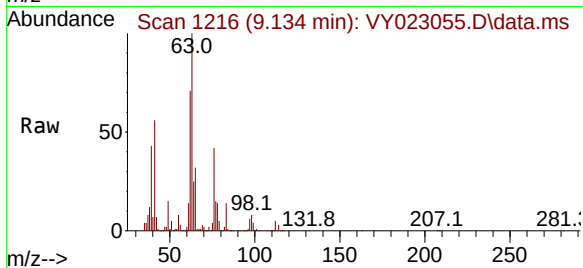
VSTDIC150

Tgt Ion: 63 Resp: 822035

Ion Ratio Lower Upper

63 100

65 32.1 25.3 37.9



#46

Dibromomethane

Concen: 157.156 ug/l

RT: 9.225 min Scan# 1231

Delta R.T. 0.000 min

Lab File: VY023055.D

Acq: 12 Aug 2025 16:47

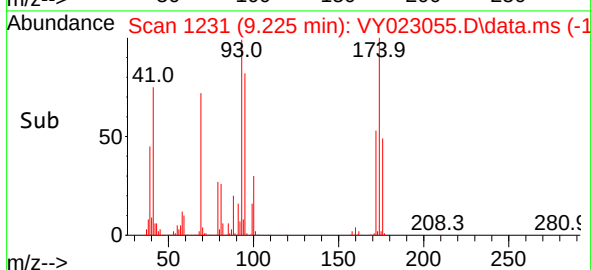
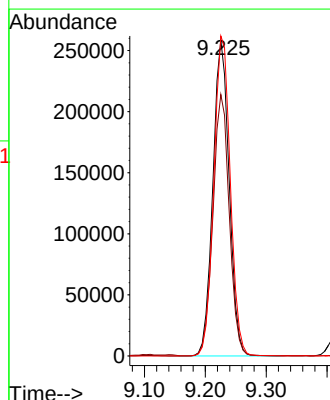
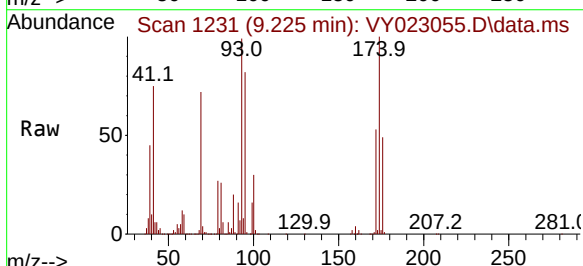
Tgt Ion: 93 Resp: 480162

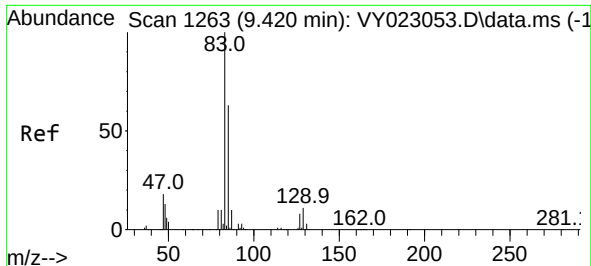
Ion Ratio Lower Upper

93 100

95 82.8 66.5 99.7

174 102.6 81.8 122.8

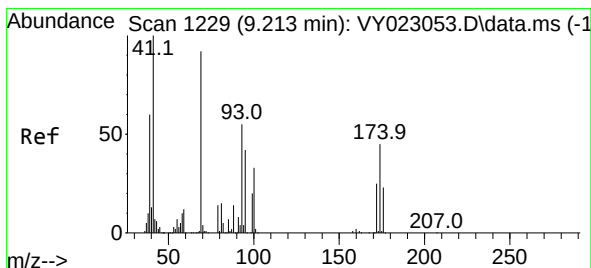
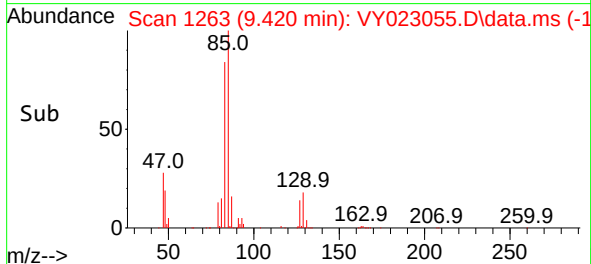
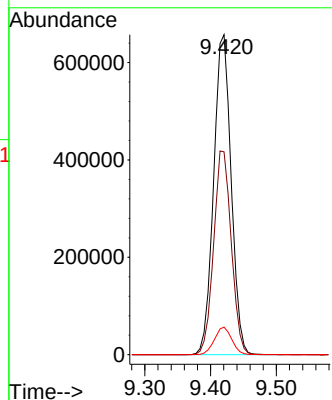
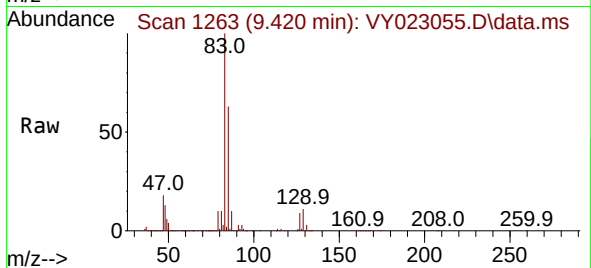




#47
Bromodichloromethane
Concen: 154.884 ug/l
RT: 9.420 min Scan# 1263
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

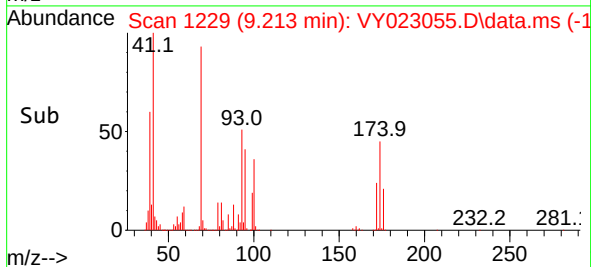
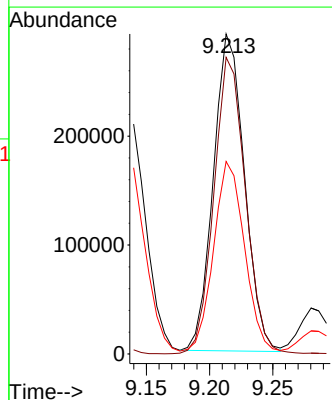
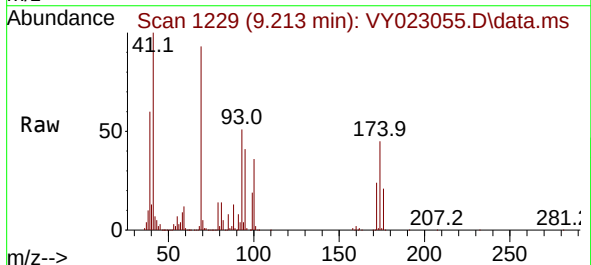
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

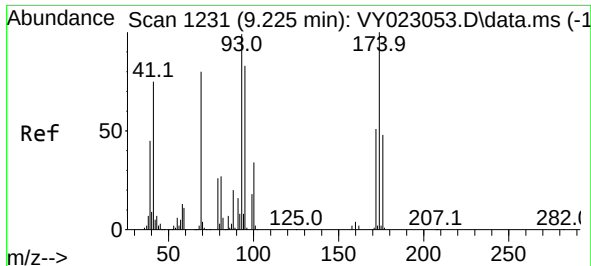
Tgt Ion: 83 Resp: 1217658
Ion Ratio Lower Upper
83 100
85 63.4 50.2 75.4
127 8.6 6.6 10.0



#48
Methyl methacrylate
Concen: 163.144 ug/l
RT: 9.213 min Scan# 1229
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion: 41 Resp: 497527
Ion Ratio Lower Upper
41 100
69 95.0 73.2 109.8
39 59.3 47.0 70.4





#49

1,4-Dioxane

Concen: 3280.235 ug/l

RT: 9.225 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY023055.D

Acq: 12 Aug 2025 16:47

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC150

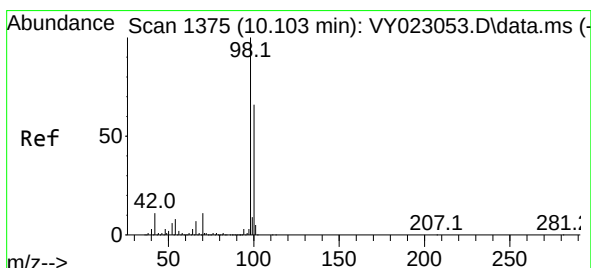
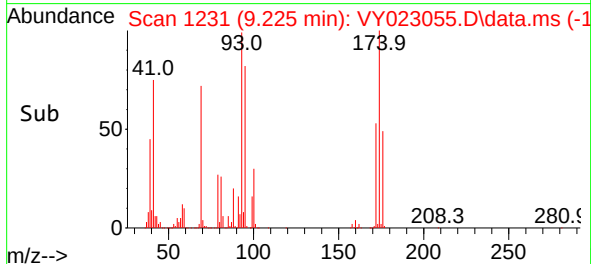
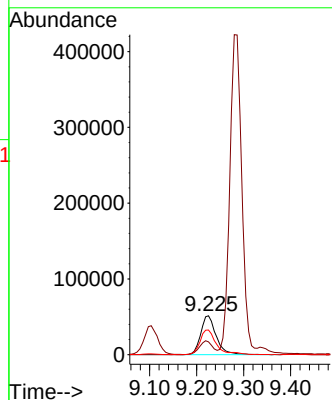
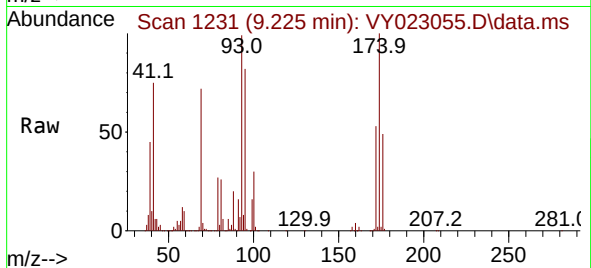
Tgt Ion: 88 Resp: 117513

Ion Ratio Lower Upper

88 100

43 30.0 24.3 36.5

58 67.5 55.4 83.0



#50

Toluene-d8

Concen: 152.237 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. 0.000 min

Lab File: VY023055.D

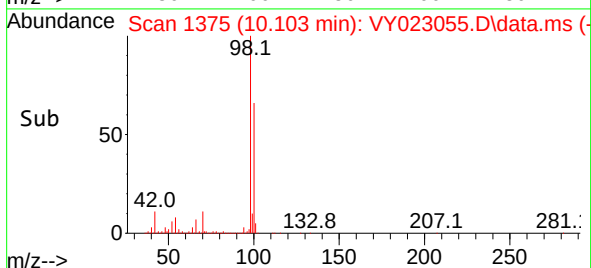
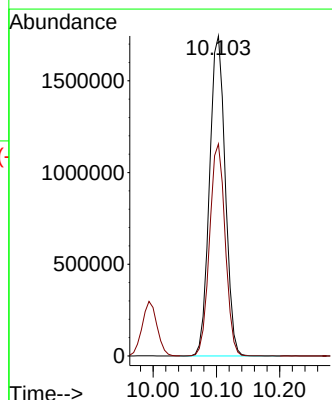
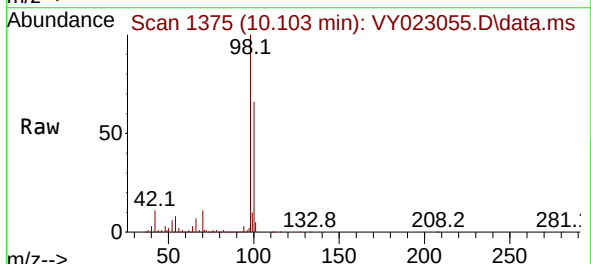
Acq: 12 Aug 2025 16:47

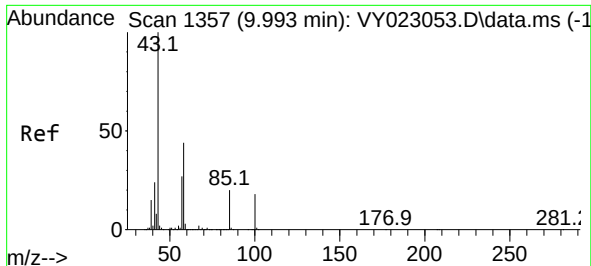
Tgt Ion: 98 Resp: 3003834

Ion Ratio Lower Upper

98 100

100 66.0 52.3 78.5

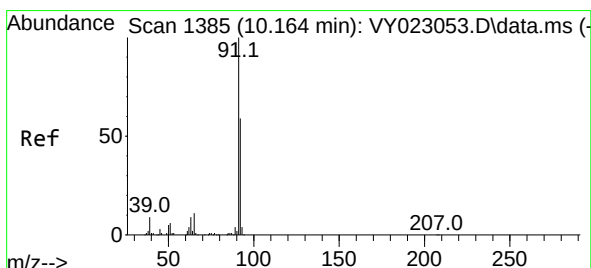
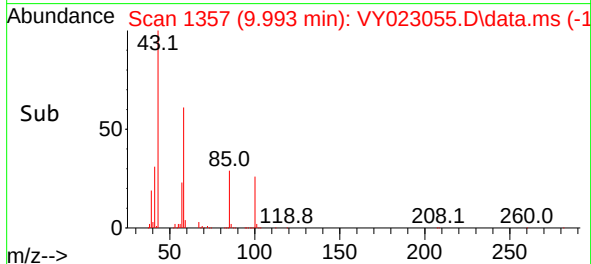
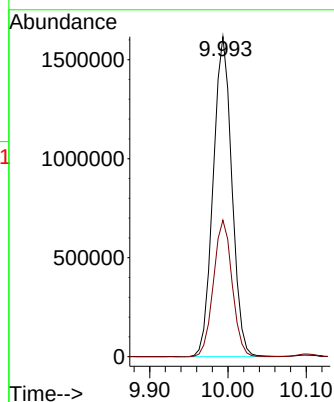
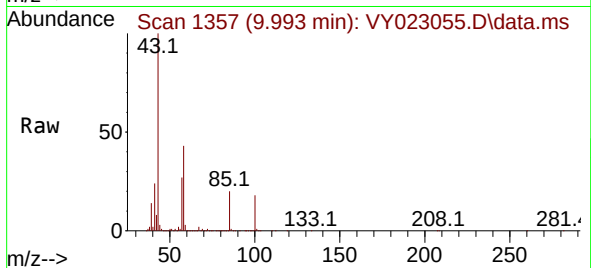




#51
4-Methyl-2-Pentanone
Concen: 814.509 ug/l
RT: 9.993 min Scan# 1357
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

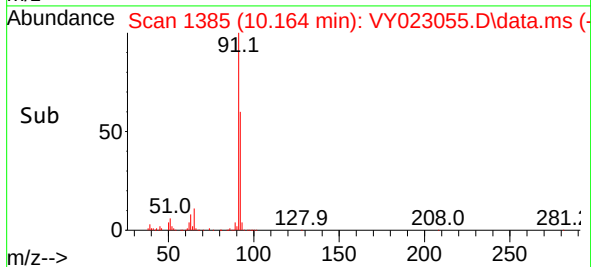
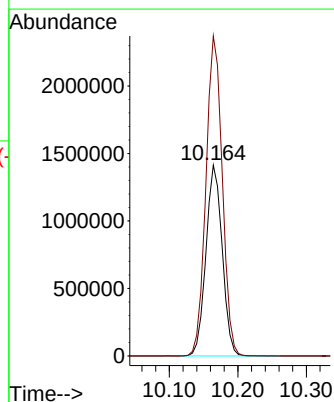
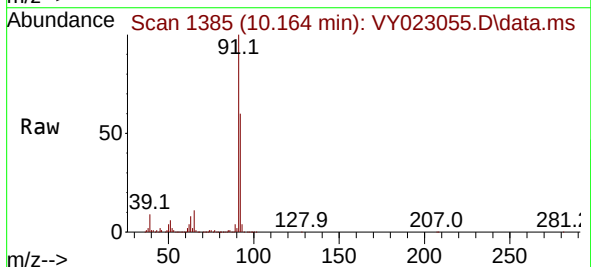
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

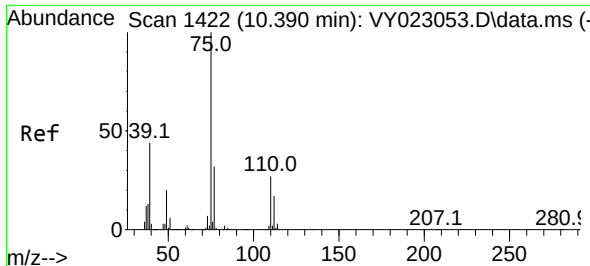
Tgt Ion: 43 Resp: 2677587
Ion Ratio Lower Upper
43 100
58 42.6 33.5 50.3



#52
Toluene
Concen: 158.762 ug/l
RT: 10.164 min Scan# 1385
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion: 92 Resp: 2332797
Ion Ratio Lower Upper
92 100
91 168.8 136.4 204.6

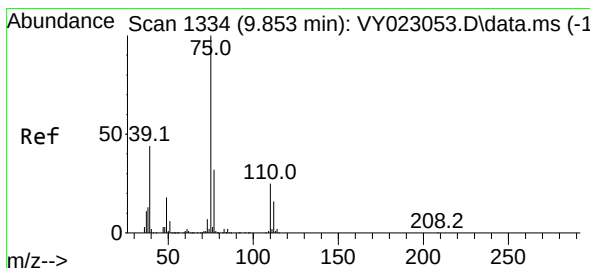
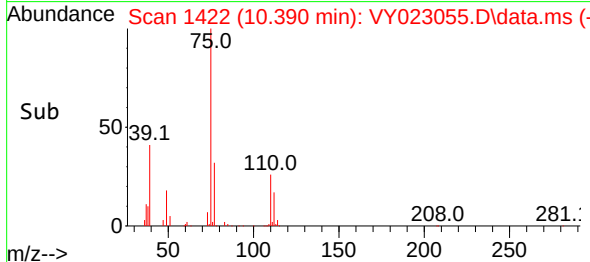
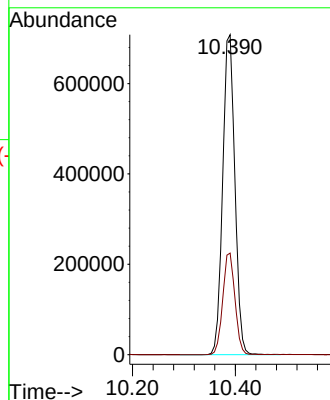
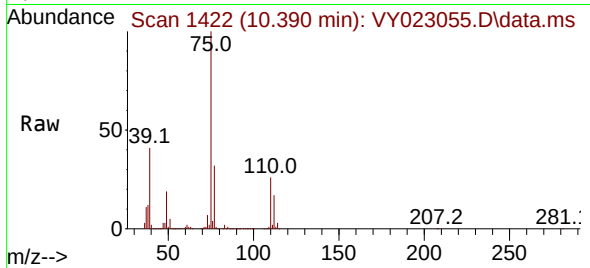




#53
 t-1,3-Dichloropropene
 Concen: 163.355 ug/l
 RT: 10.390 min Scan# 1422
 Delta R.T. 0.000 min
 Lab File: VY023055.D
 Acq: 12 Aug 2025 16:47

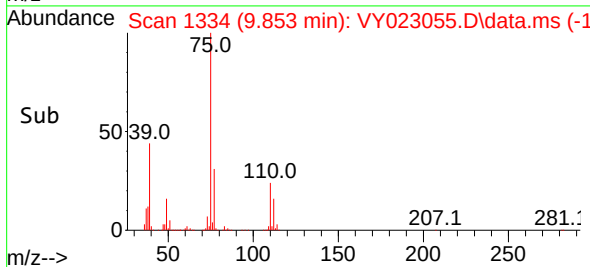
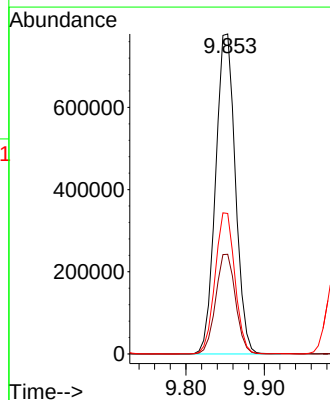
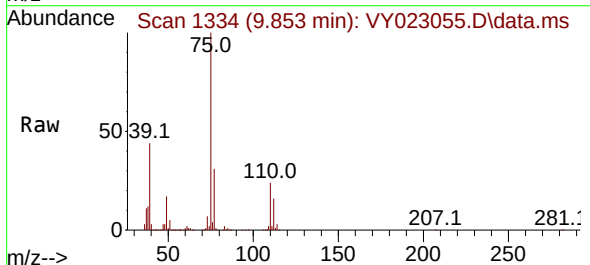
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC150

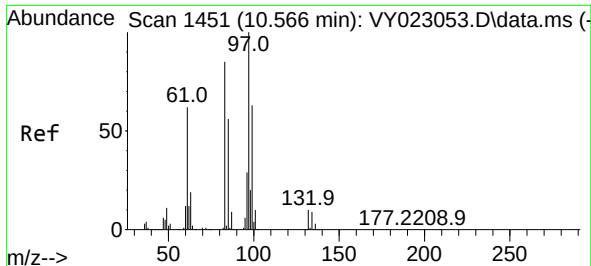
Tgt Ion: 75 Resp: 1162952
 Ion Ratio Lower Upper
 75 100
 77 31.8 25.7 38.5



#54
 cis-1,3-Dichloropropene
 Concen: 162.359 ug/l
 RT: 9.853 min Scan# 1334
 Delta R.T. 0.000 min
 Lab File: VY023055.D
 Acq: 12 Aug 2025 16:47

Tgt Ion: 75 Resp: 1366797
 Ion Ratio Lower Upper
 75 100
 77 31.1 25.4 38.0
 39 43.9 35.6 53.4



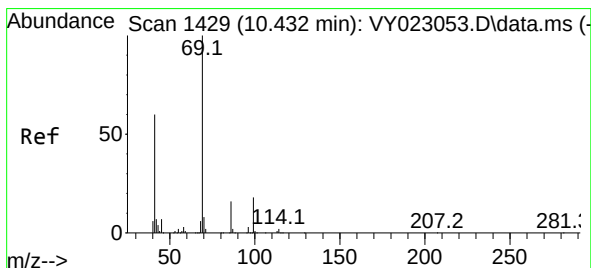
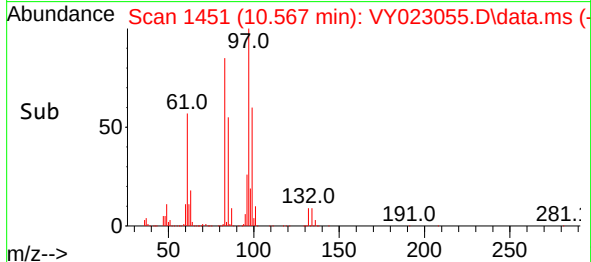
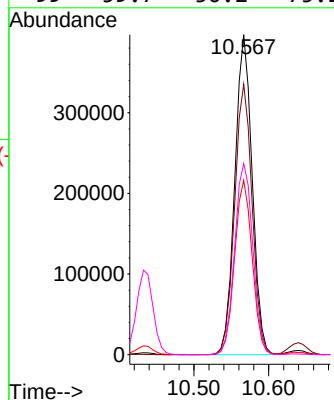
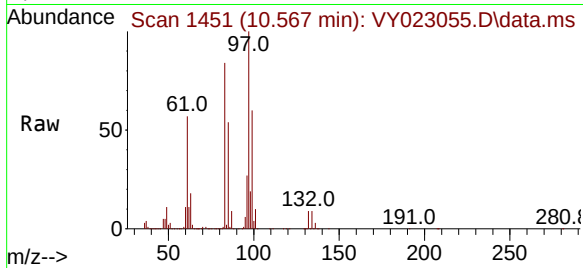


#55
1,1,2-Trichloroethane
Concen: 157.090 ug/l
RT: 10.567 min Scan# 1451
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tgt Ion: 97 Resp: 642236

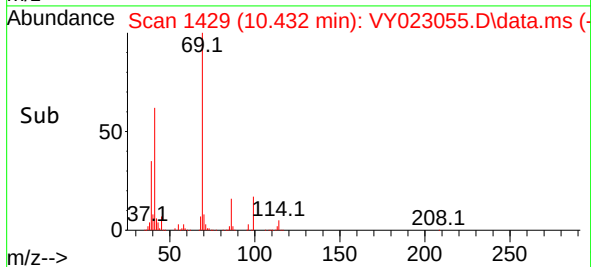
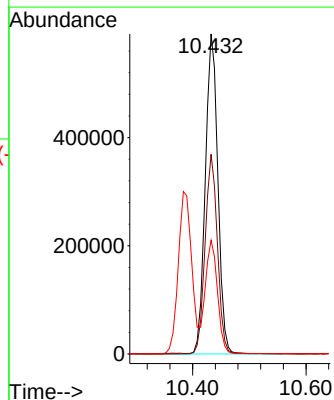
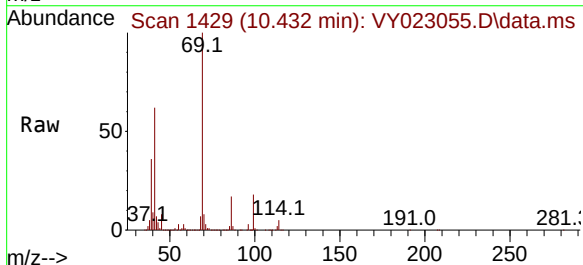
Ion	Ratio	Lower	Upper
97	100		
83	84.5	67.7	101.5
85	54.5	44.5	66.7
99	59.7	50.2	75.2

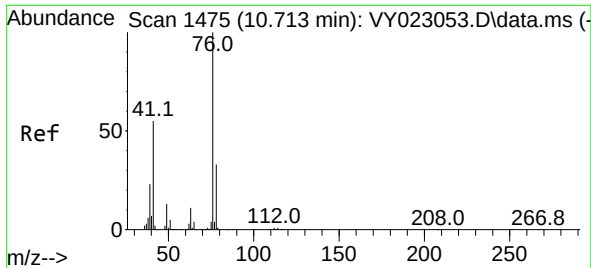


#56
Ethyl methacrylate
Concen: 173.693 ug/l
RT: 10.432 min Scan# 1429
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion: 69 Resp: 908662

Ion	Ratio	Lower	Upper
69	100		
41	60.9	48.6	72.8
39	33.4	27.0	40.4

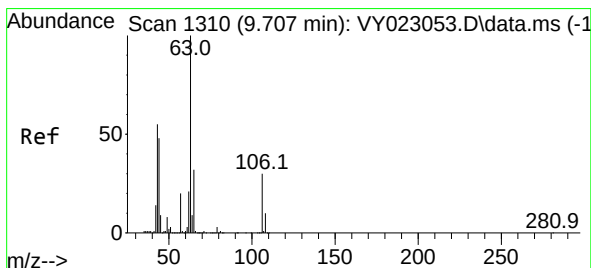
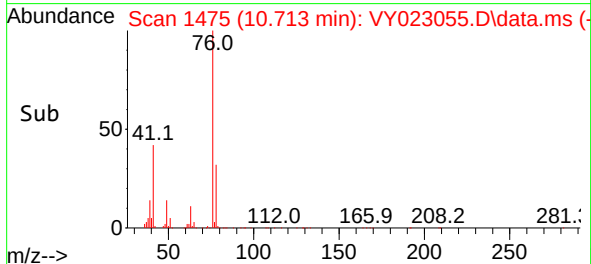
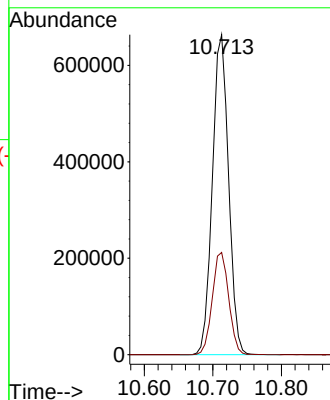
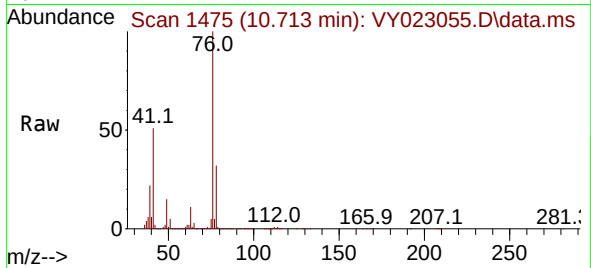




#57
1,3-Dichloropropane
Concen: 156.818 ug/l
RT: 10.713 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

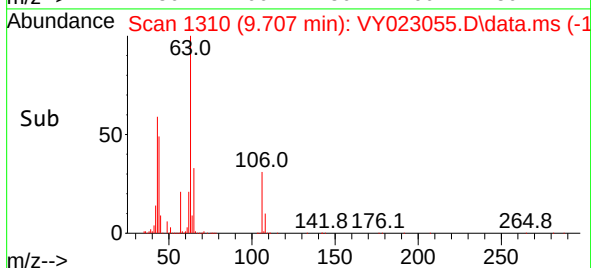
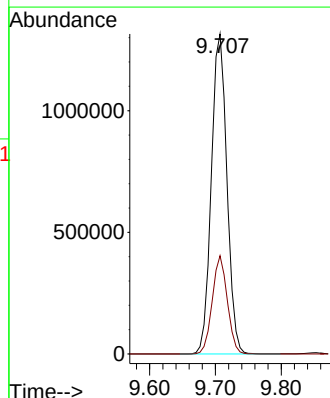
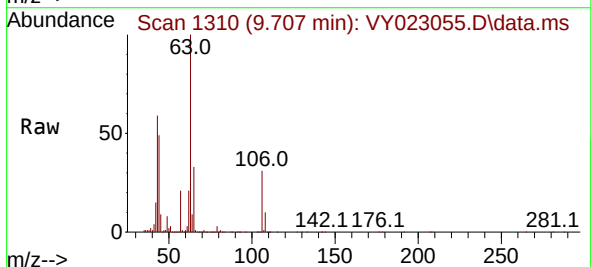
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

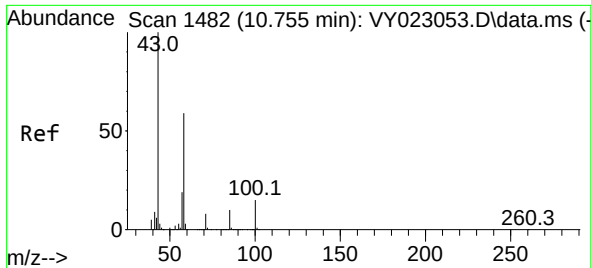
Tgt Ion: 76 Resp: 1087297
Ion Ratio Lower Upper
76 100
78 32.5 26.0 39.0



#58
2-Chloroethyl Vinyl ether
Concen: 878.488 ug/l
RT: 9.707 min Scan# 1310
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion: 63 Resp: 2167815
Ion Ratio Lower Upper
63 100
106 29.6 23.2 34.8

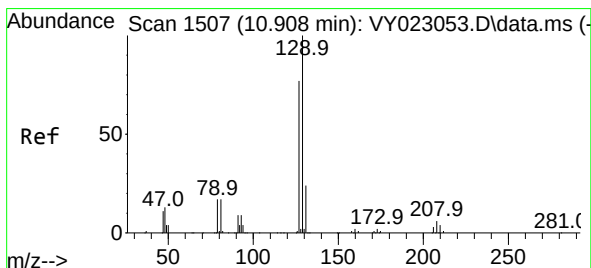
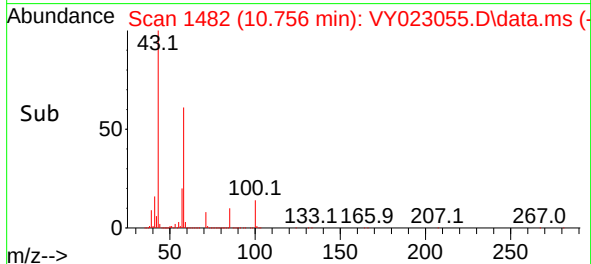
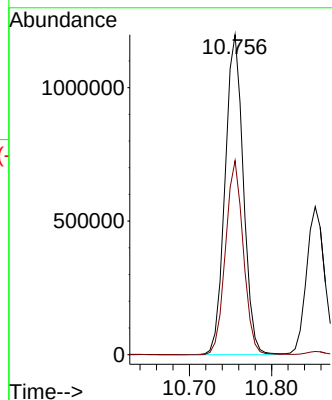
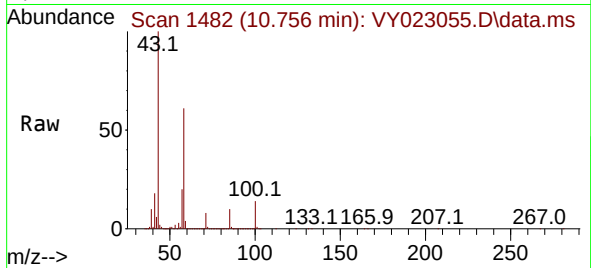




#59
2-Hexanone
Concen: 825.606 ug/l
RT: 10.756 min Scan# 1482
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

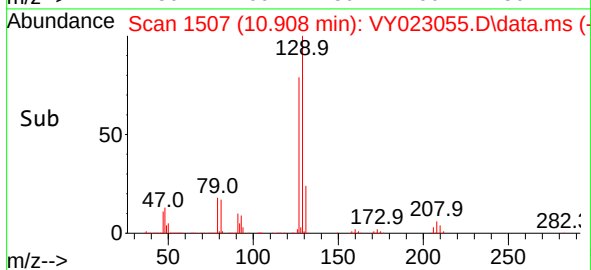
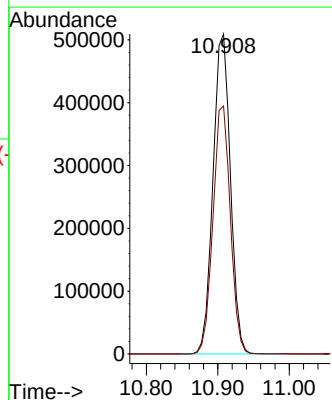
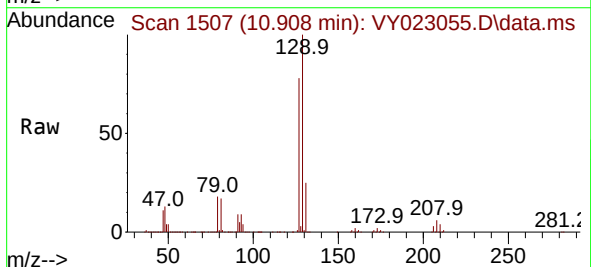
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

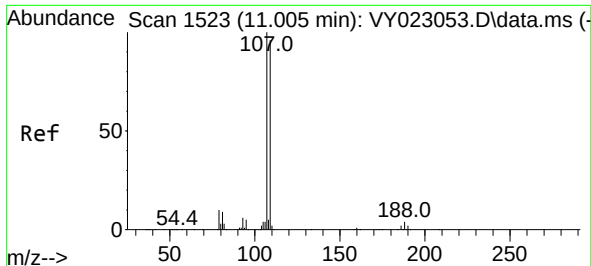
Tgt Ion: 43 Resp: 1848093
Ion Ratio Lower Upper
43 100
58 59.3 29.5 88.5



#60
Dibromochloromethane
Concen: 159.454 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion: 129 Resp: 860181
Ion Ratio Lower Upper
129 100
127 77.5 38.5 115.5

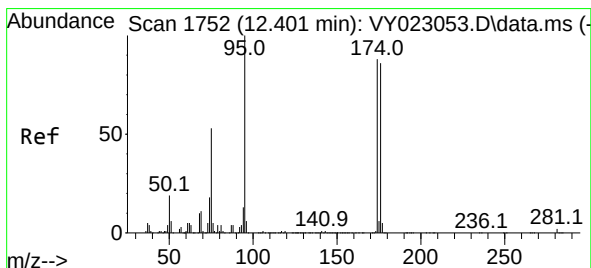
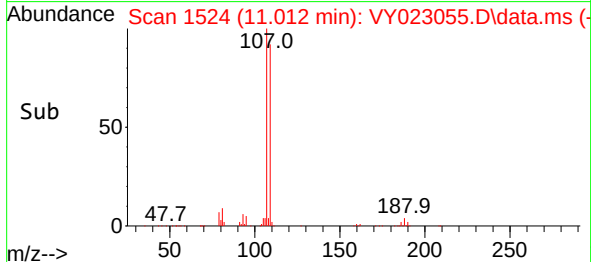
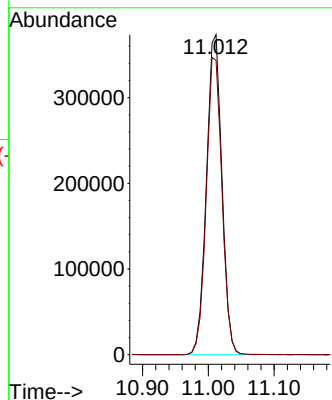
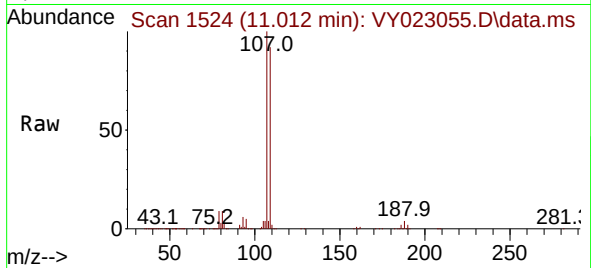




#61
1,2-Dibromoethane
Concen: 159.546 ug/l
RT: 11.012 min Scan# 1524
Delta R.T. 0.006 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

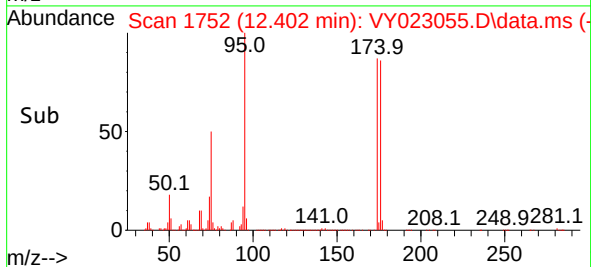
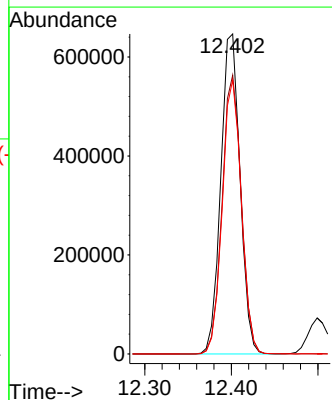
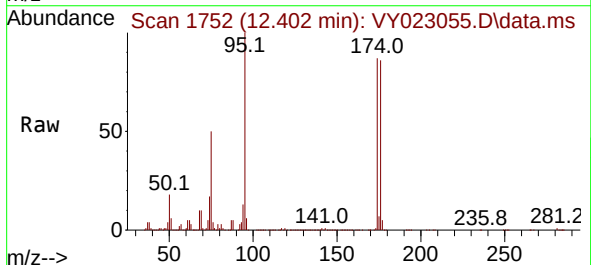
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

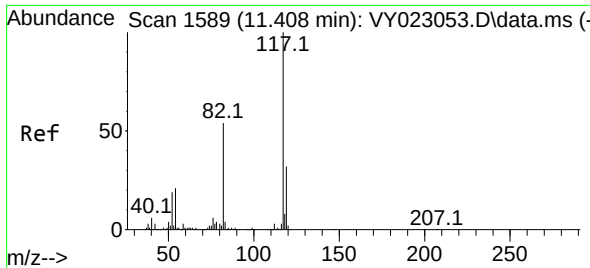
Tgt Ion:107 Resp: 613069
Ion Ratio Lower Upper
107 100
109 93.9 75.6 113.4



#62
4-Bromofluorobenzene
Concen: 157.326 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion: 95 Resp: 998318
Ion Ratio Lower Upper
95 100
174 86.9 0.0 171.6
176 84.6 0.0 167.6

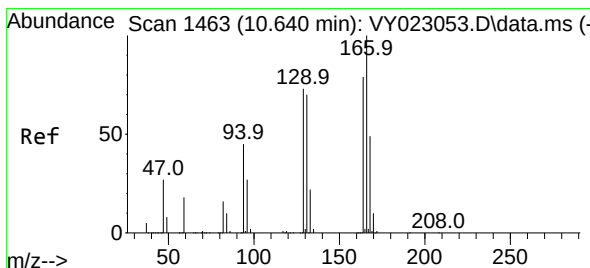
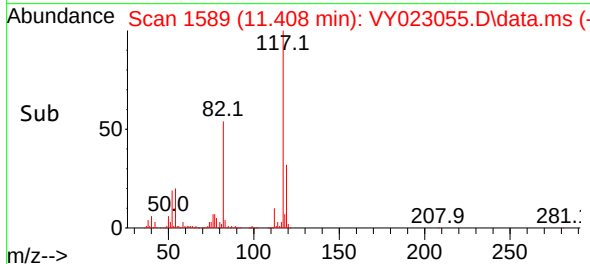
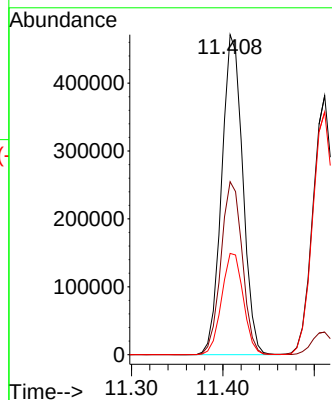
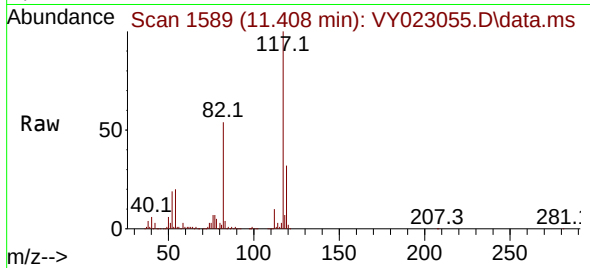




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.408 min Scan# 117
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

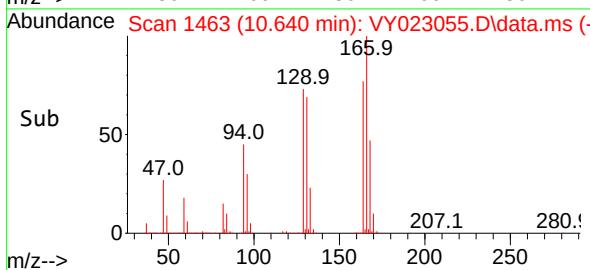
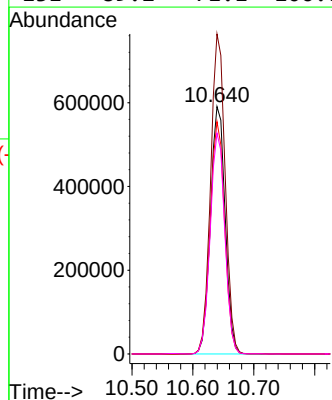
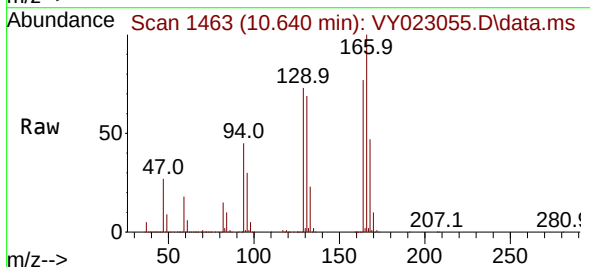
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

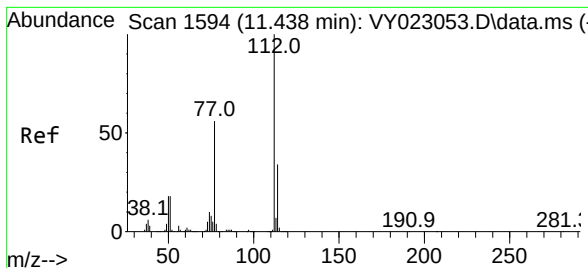
Tgt	Ion:117	Resp:	756365
Ion	Ratio	Lower	Upper
117	100		
82	54.0	43.4	65.0
119	31.7	25.6	38.4



#64
Tetrachloroethene
Concen: 146.682 ug/l
RT: 10.640 min Scan# 1463
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt	Ion:164	Resp:	990664
Ion	Ratio	Lower	Upper
164	100		
166	129.4	101.1	151.7
129	93.9	74.0	111.0
131	89.2	71.1	106.7

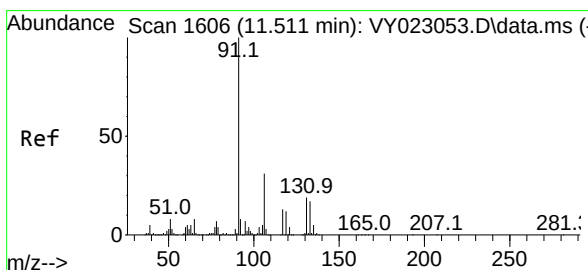
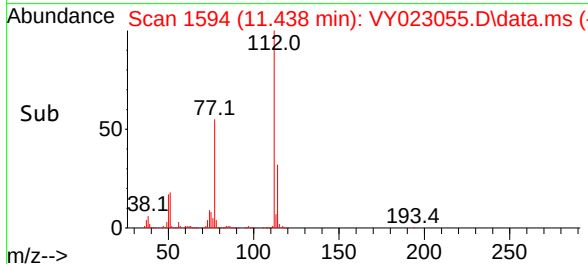
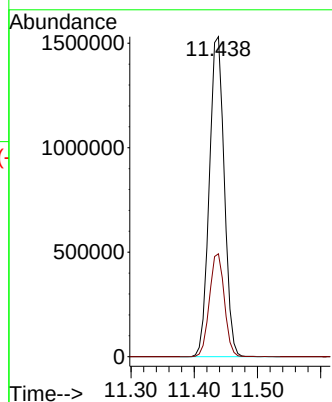
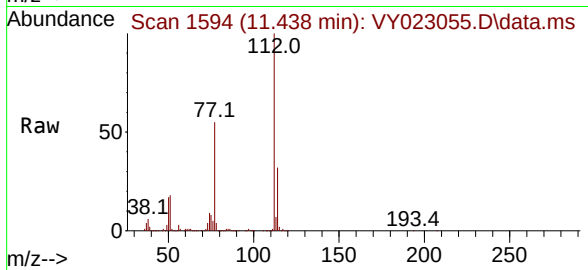




#65
Chlorobenzene
Concen: 154.514 ug/l
RT: 11.438 min Scan# 1594
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

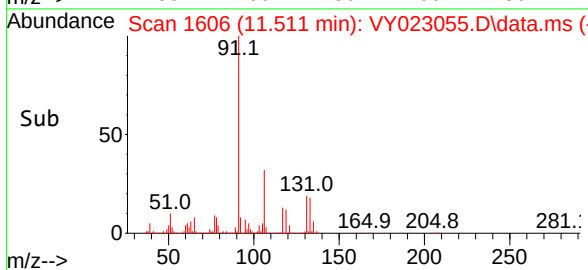
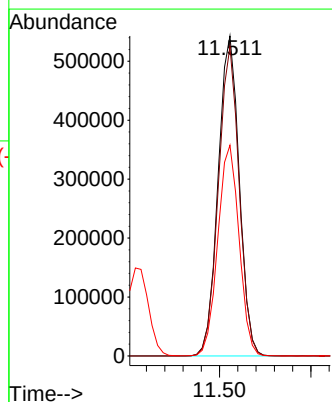
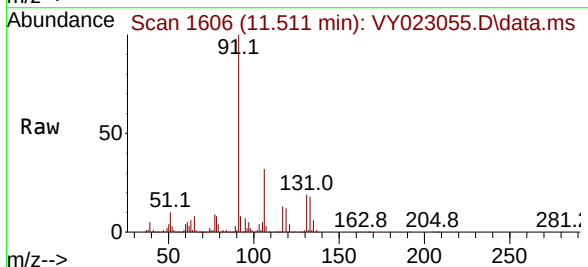
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

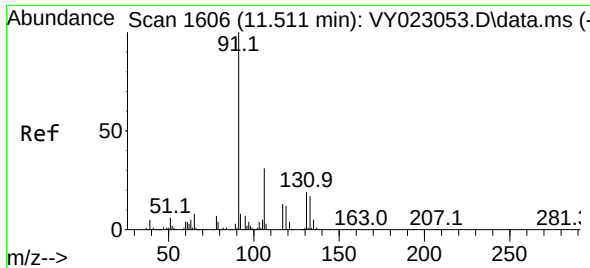
Tgt Ion:112 Resp: 2520874
Ion Ratio Lower Upper
112 100
114 32.2 27.0 40.4



#66
1,1,1,2-Tetrachloroethane
Concen: 157.304 ug/l
RT: 11.511 min Scan# 1606
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion:131 Resp: 871003
Ion Ratio Lower Upper
131 100
133 95.1 46.9 140.6
119 66.5 33.2 99.6

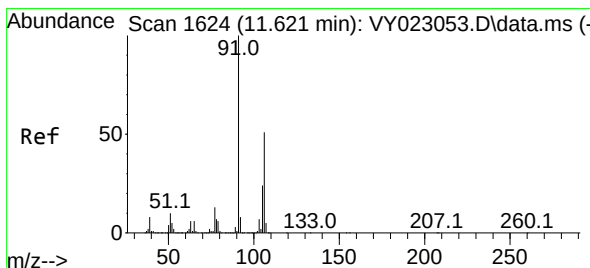
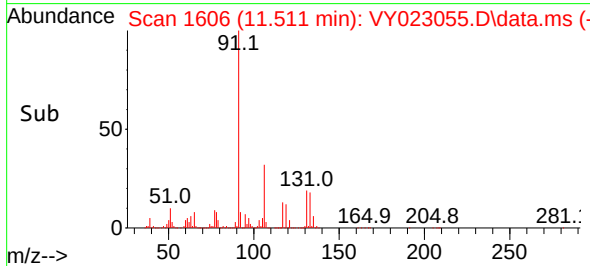
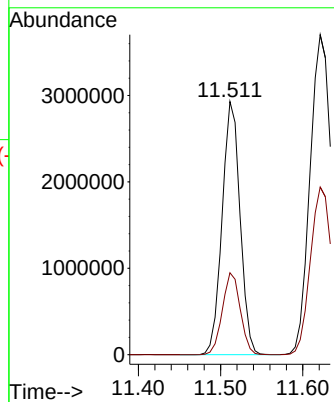
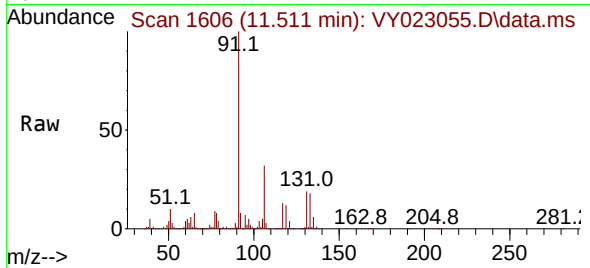




#67
Ethyl Benzene
Concen: 158.093 ug/l
RT: 11.511 min Scan# 1606
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

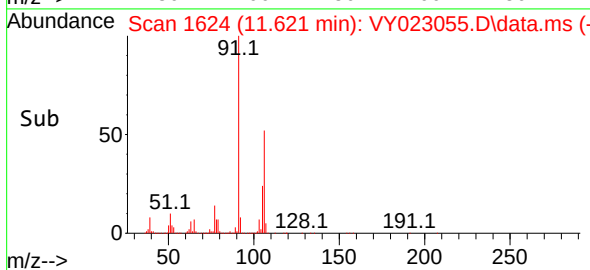
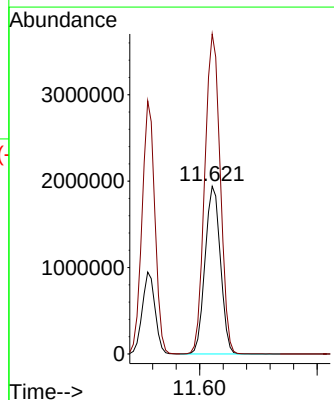
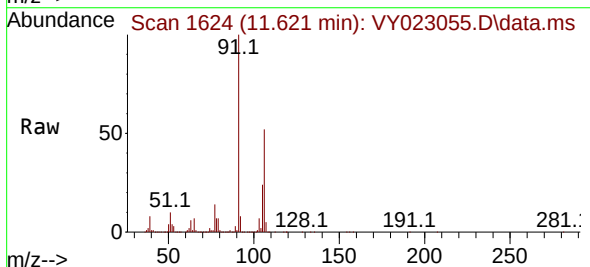
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

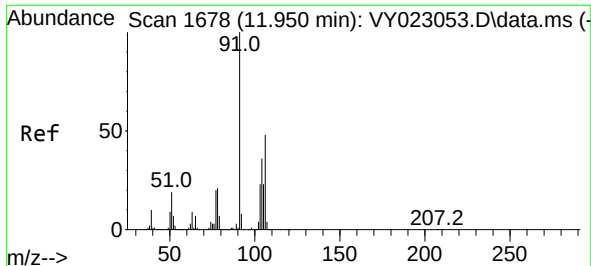
Tgt Ion: 91 Resp: 4438665
Ion Ratio Lower Upper
91 100
106 32.4 25.0 37.4



#68
m/p-Xylenes
Concen: 320.251 ug/l
RT: 11.621 min Scan# 1624
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion: 106 Resp: 3511726
Ion Ratio Lower Upper
106 100
91 192.1 158.6 238.0

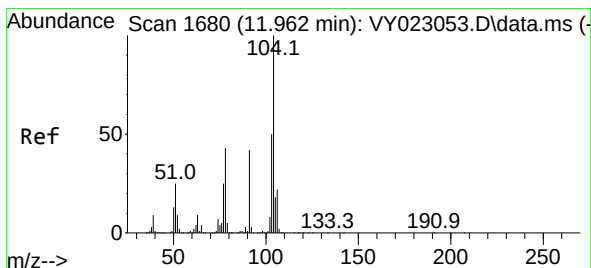
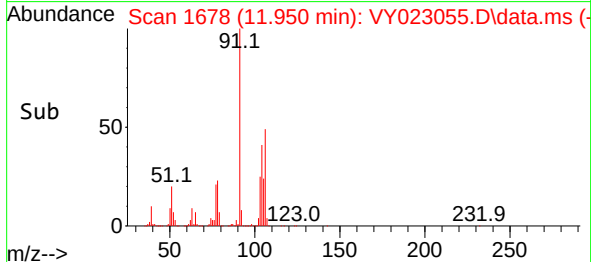
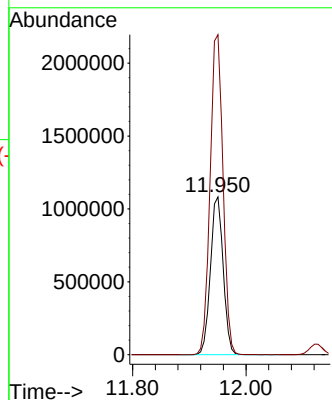
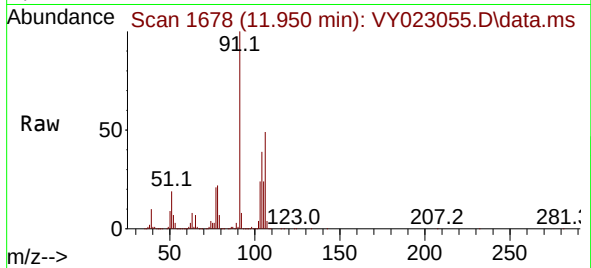




#69
o-Xylene
Concen: 163.941 ug/l
RT: 11.950 min Scan# 1678
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

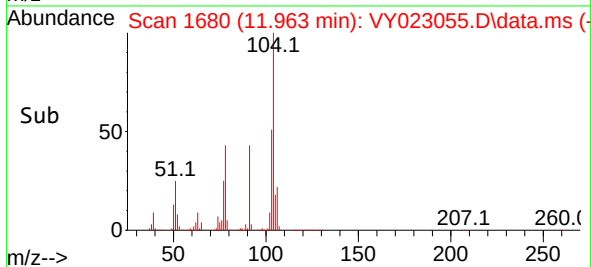
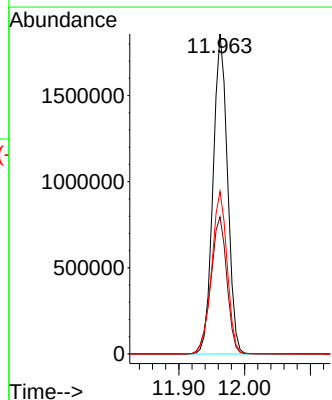
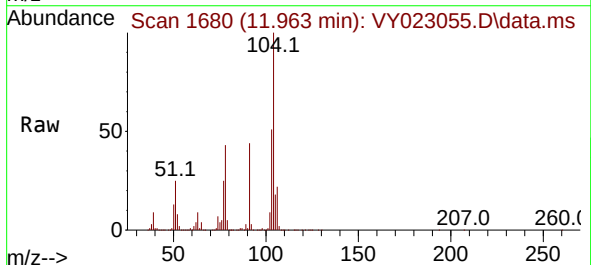
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

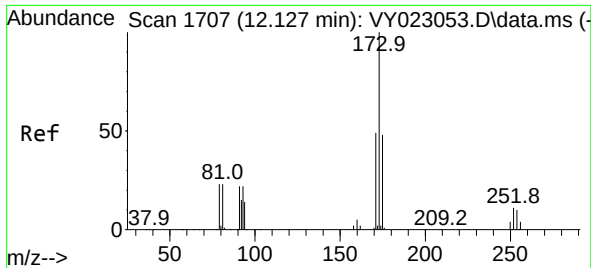
Tgt Ion:106 Resp: 1683720
Ion Ratio Lower Upper
106 100
91 205.5 103.2 309.4



#70
Styrene
Concen: 169.475 ug/l
RT: 11.963 min Scan# 1680
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion:104 Resp: 2846443
Ion Ratio Lower Upper
104 100
78 47.2 38.5 57.7
103 54.3 43.7 65.5

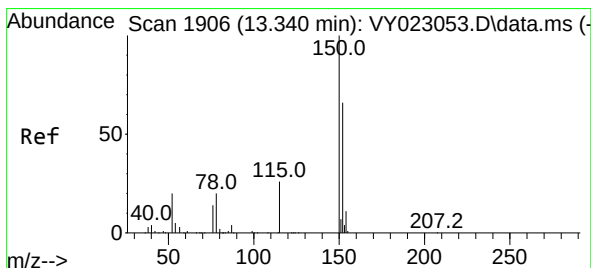
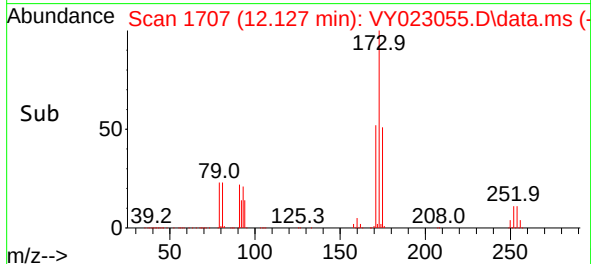
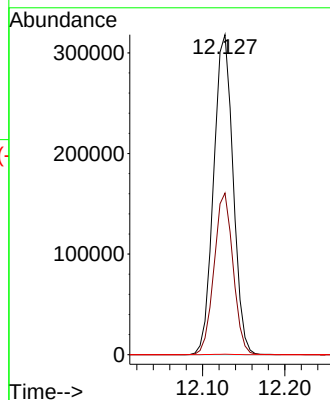
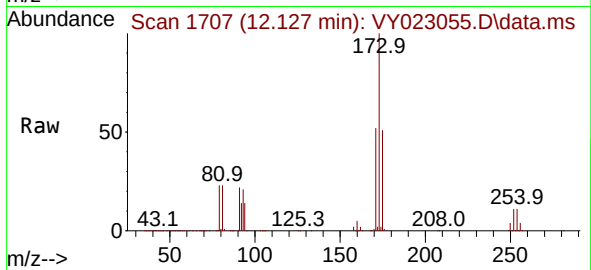




#71
Bromoform
Concen: 161.778 ug/l
RT: 12.127 min Scan# 1707
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

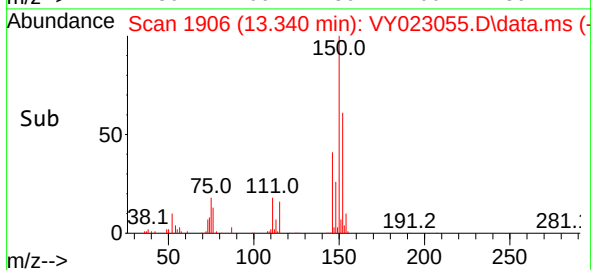
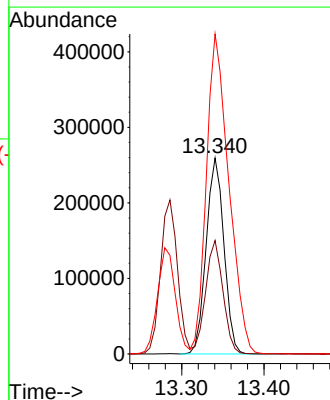
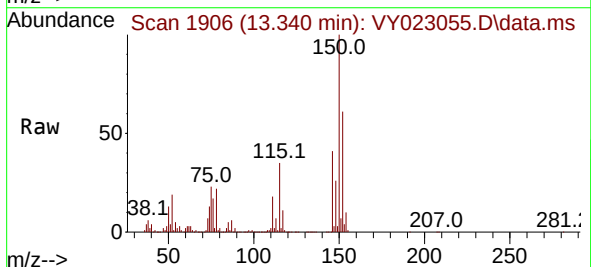
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

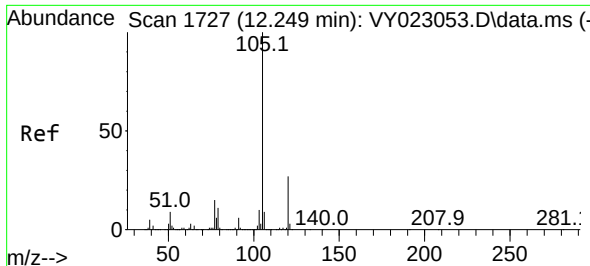
Tgt Ion:173 Resp: 523541
Ion Ratio Lower Upper
173 100
175 49.3 23.9 71.7
254 0.2 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.340 min Scan# 1906
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion:152 Resp: 389949
Ion Ratio Lower Upper
152 100
115 56.7 28.2 84.6
150 205.8 0.0 348.0

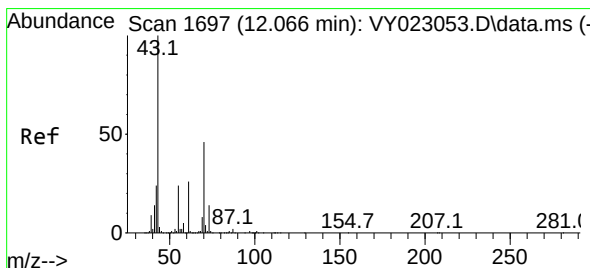
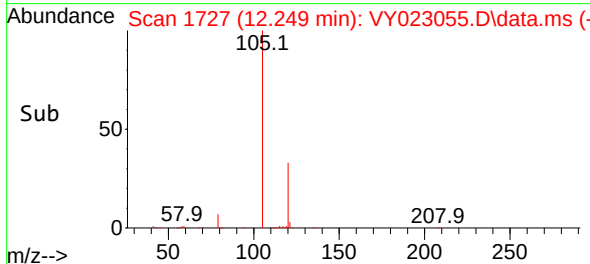
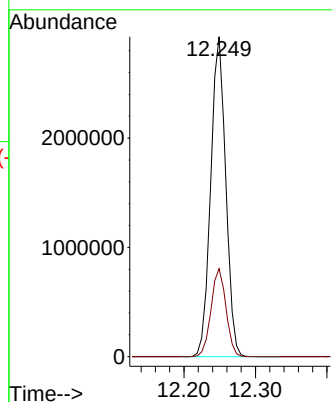
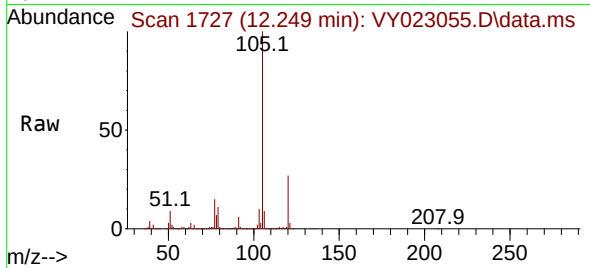




#73
Isopropylbenzene
Concen: 155.145 ug/l
RT: 12.249 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

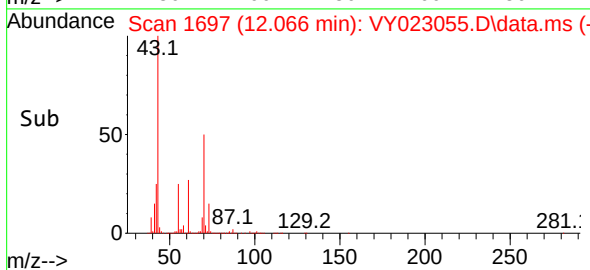
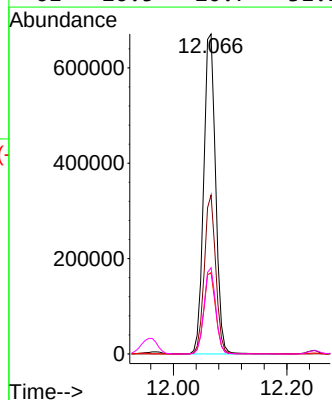
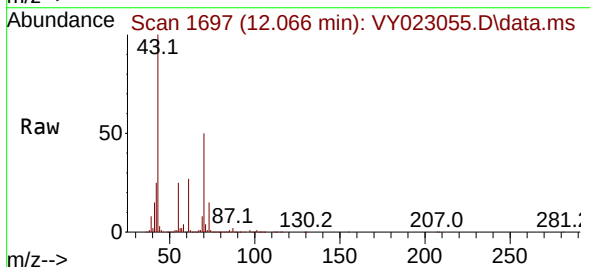
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

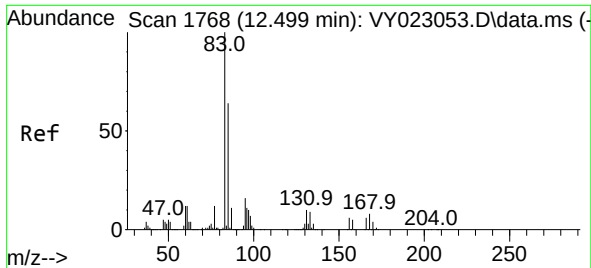
Tgt Ion:105 Resp: 4269945
Ion Ratio Lower Upper
105 100
120 27.3 13.4 40.2



#74
N-ethyl acetate
Concen: 168.265 ug/l
RT: 12.066 min Scan# 1697
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion: 43 Resp: 982090
Ion Ratio Lower Upper
43 100
70 47.8 37.5 56.3
55 25.3 20.7 31.1
61 26.5 20.7 31.1

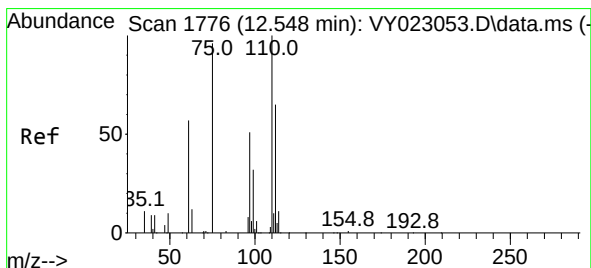
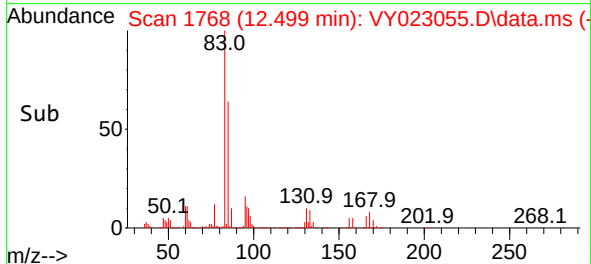
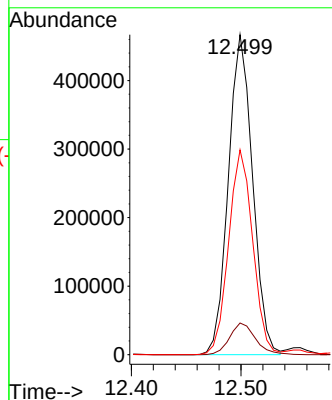
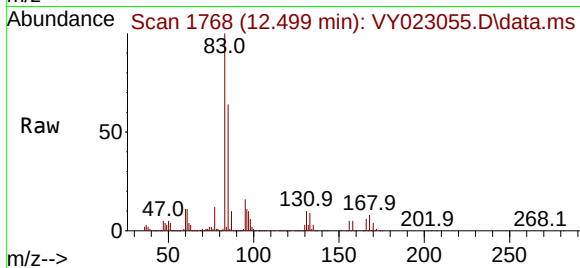




#75
1,1,2,2-Tetrachloroethane
Concen: 152.686 ug/l
RT: 12.499 min Scan# 1768
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

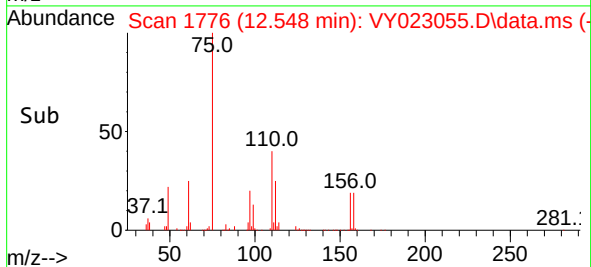
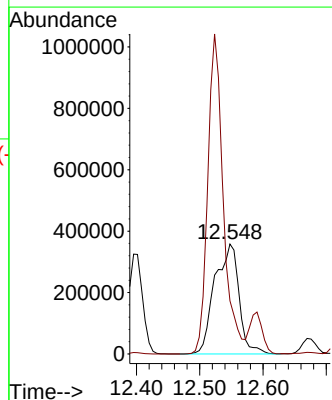
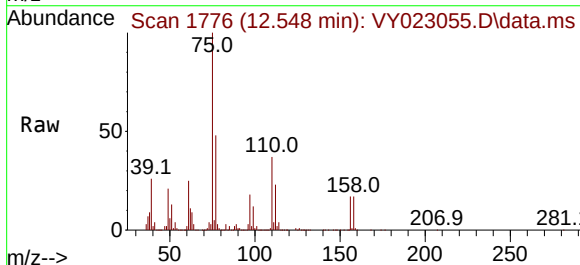
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

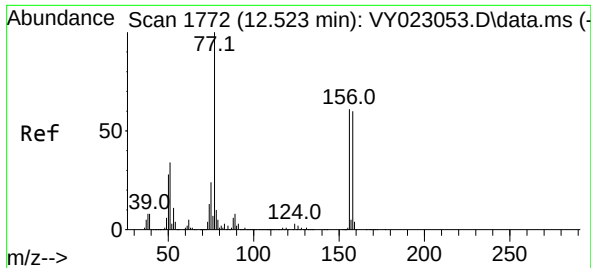
Tgt Ion: 83 Resp: 717524
Ion Ratio Lower Upper
83 100
131 10.5 5.1 15.3
85 63.7 31.8 95.3



#76
1,2,3-Trichloropropane
Concen: 252.416 ug/l
RT: 12.548 min Scan# 1776
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion: 75 Resp: 950569
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0

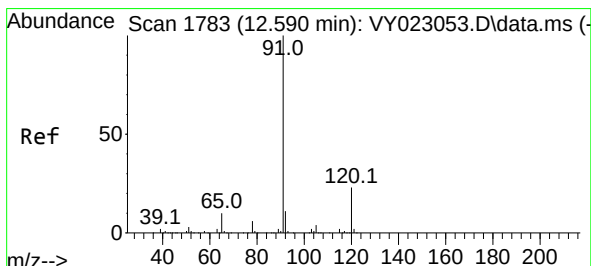
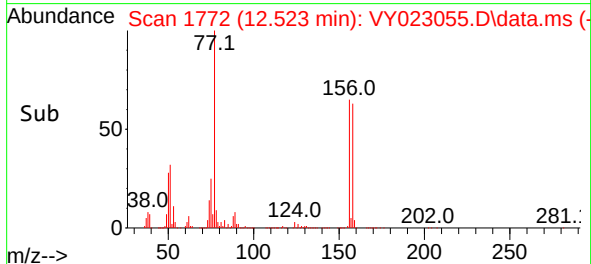
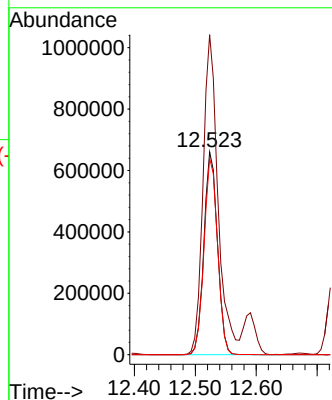
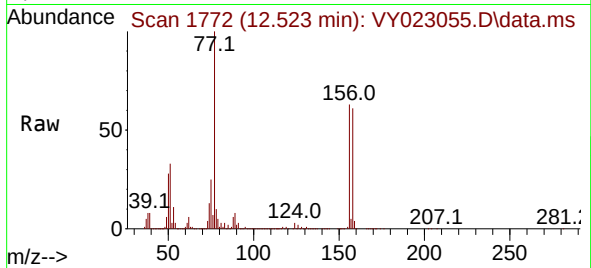




#77
Bromobenzene
Concen: 155.568 ug/l
RT: 12.523 min Scan# 1772
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

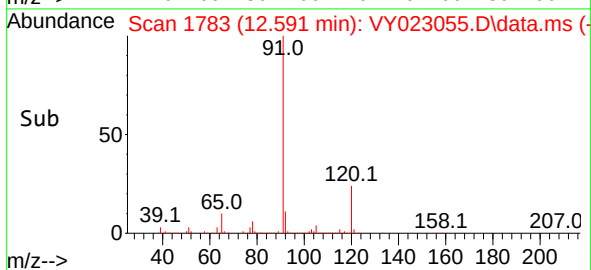
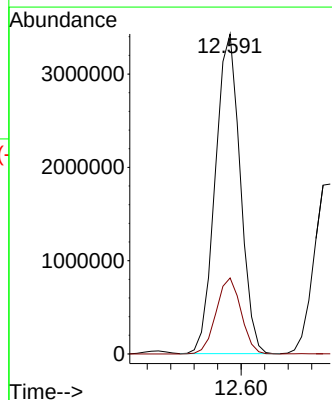
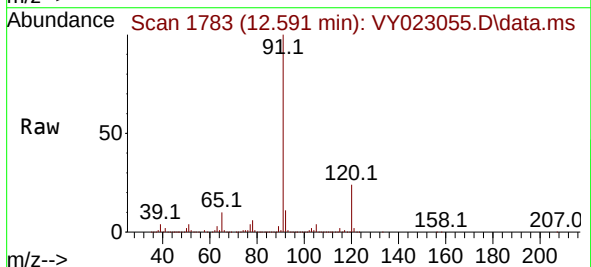
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

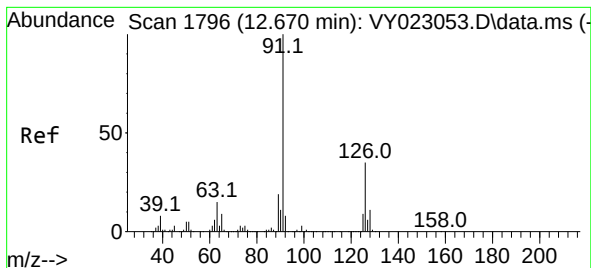
Tgt Ion:156 Resp: 1021449
Ion Ratio Lower Upper
156 100
77 174.8 88.1 264.4
158 97.0 48.0 144.0



#78
n-propylbenzene
Concen: 154.058 ug/l
RT: 12.591 min Scan# 1783
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion: 91 Resp: 5048012
Ion Ratio Lower Upper
91 100
120 23.7 11.5 34.5

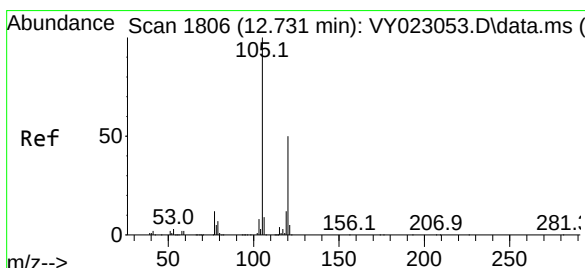
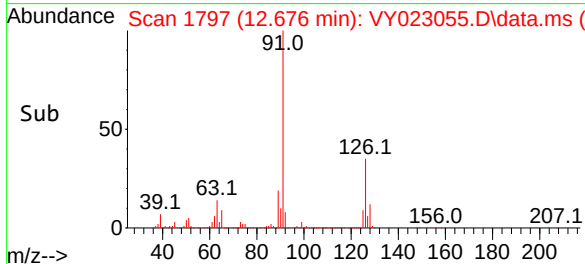
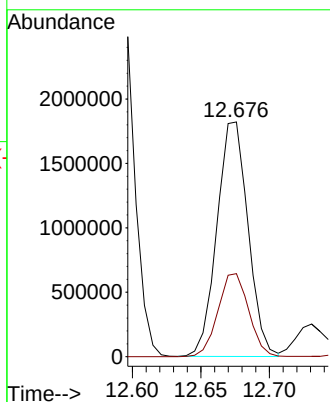
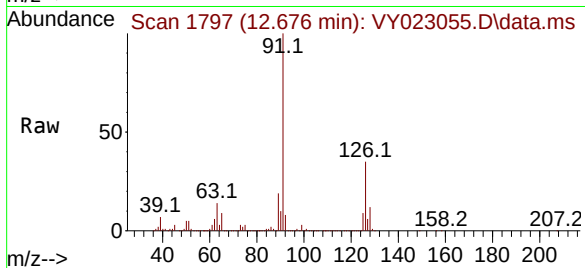




#79
2-Chlorotoluene
Concen: 153.331 ug/l
RT: 12.676 min Scan# 1796
Delta R.T. 0.006 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

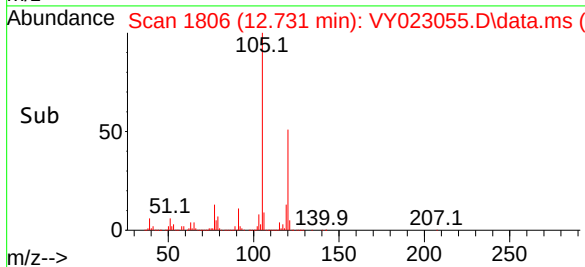
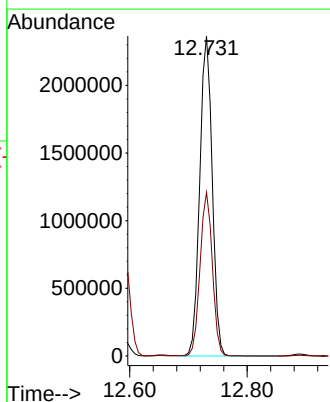
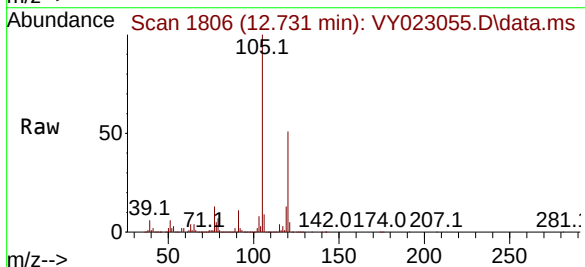
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

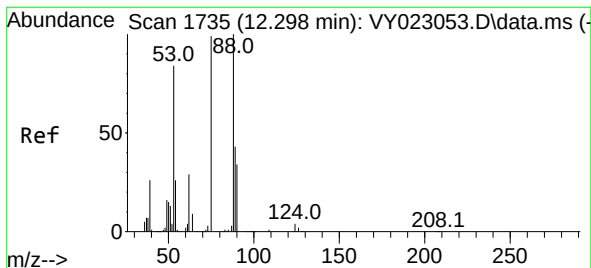
Tgt Ion: 91 Resp: 2878647
Ion Ratio Lower Upper
91 100
126 35.0 17.4 52.3



#80
1,3,5-Trimethylbenzene
Concen: 155.973 ug/l
RT: 12.731 min Scan# 1806
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion: 105 Resp: 3469329
Ion Ratio Lower Upper
105 100
120 50.4 24.8 74.4

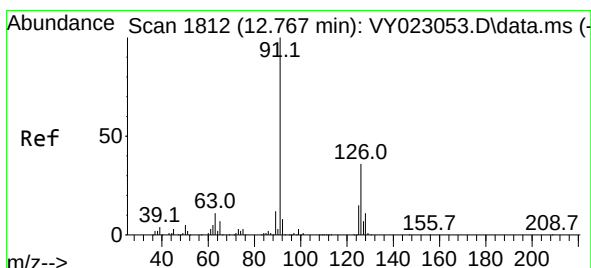
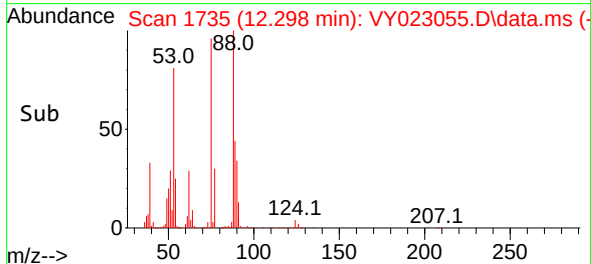
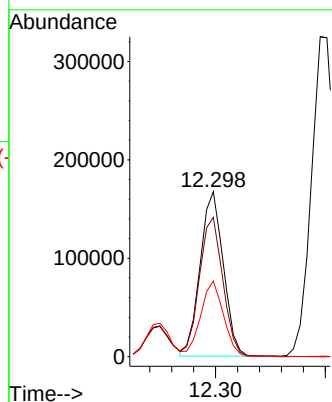
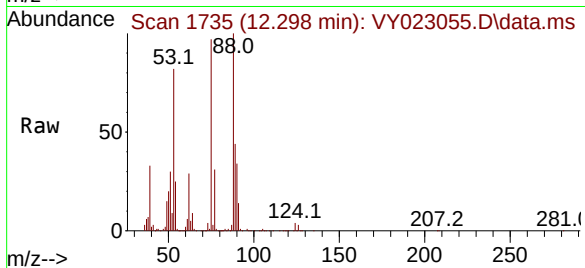




#81
trans-1,4-Dichloro-2-butene
Concen: 158.203 ug/l
RT: 12.298 min Scan# 1735
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

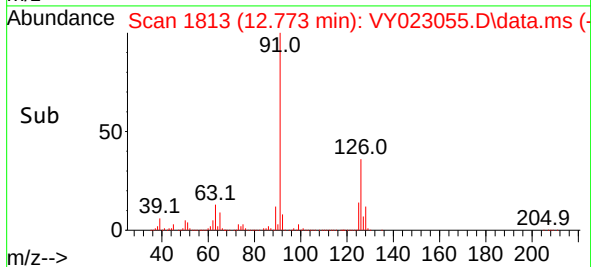
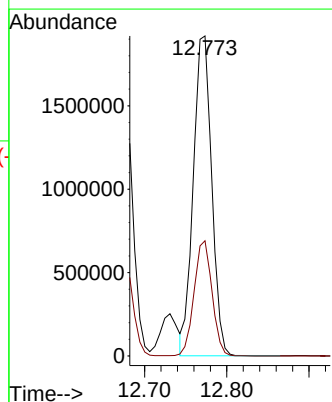
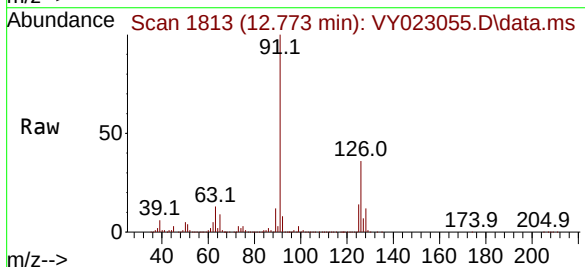
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

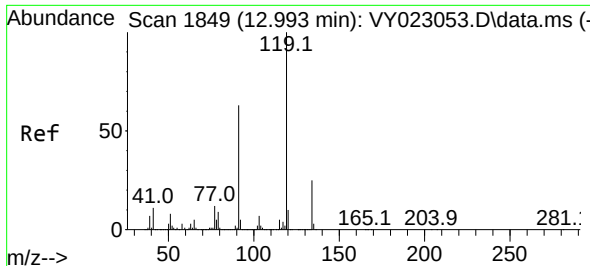
Tgt Ion: 75 Resp: 245958
Ion Ratio Lower Upper
75 100
53 85.9 70.8 106.2
89 45.5 38.1 57.1



#82
4-Chlorotoluene
Concen: 153.063 ug/l
RT: 12.773 min Scan# 1813
Delta R.T. 0.006 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion: 91 Resp: 2981042
Ion Ratio Lower Upper
91 100
126 35.3 17.3 52.0

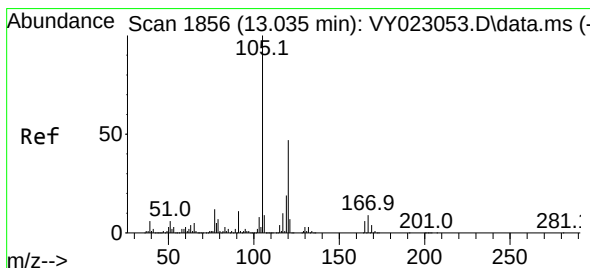
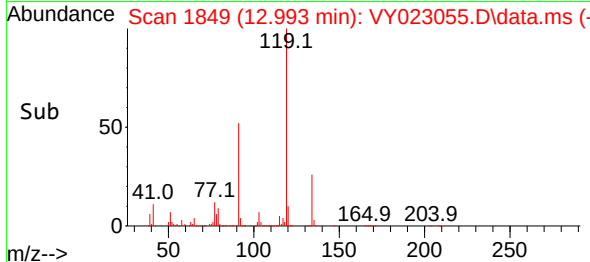
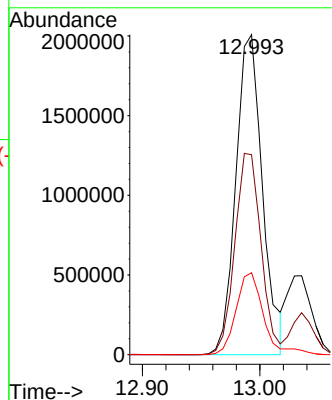
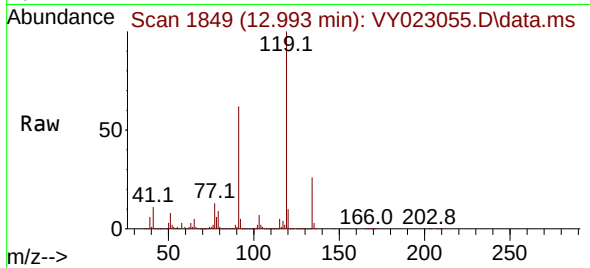




#83
 tert-Butylbenzene
 Concen: 157.371 ug/l
 RT: 12.993 min Scan# 1849
 Delta R.T. 0.000 min
 Lab File: VY023055.D
 Acq: 12 Aug 2025 16:47

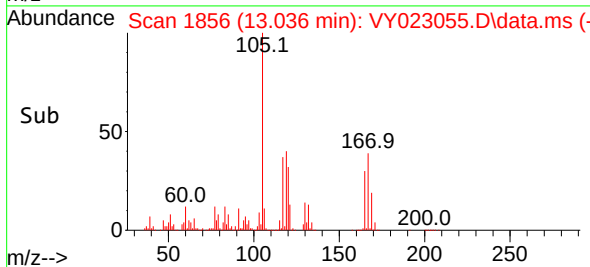
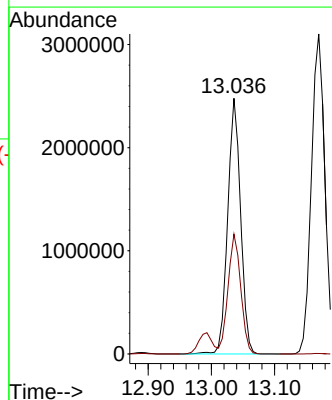
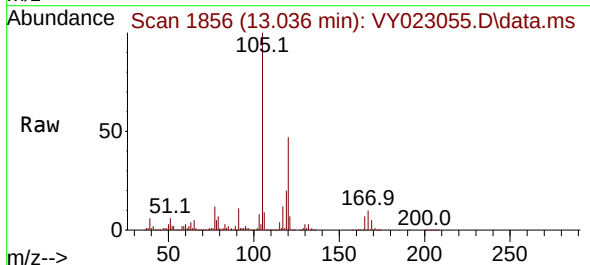
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC150

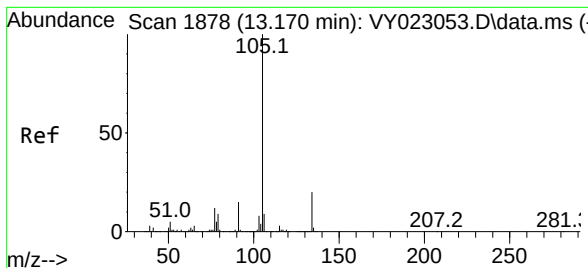
Tgt Ion:119 Resp: 3161475
 Ion Ratio Lower Upper
 119 100
 91 62.0 31.6 94.8
 134 26.4 12.9 38.7



#84
 1,2,4-Trimethylbenzene
 Concen: 158.143 ug/l
 RT: 13.036 min Scan# 1856
 Delta R.T. 0.000 min
 Lab File: VY023055.D
 Acq: 12 Aug 2025 16:47

Tgt Ion:105 Resp: 3501626
 Ion Ratio Lower Upper
 105 100
 120 46.2 23.0 69.0

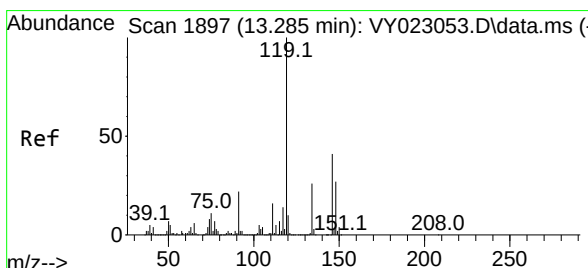
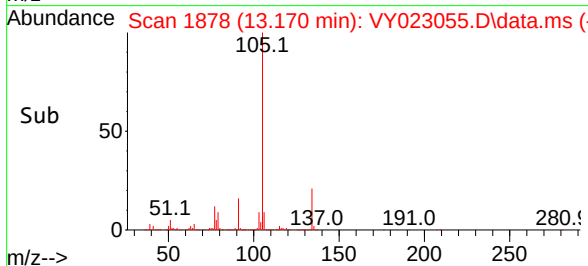
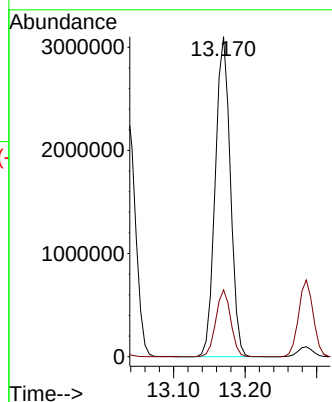
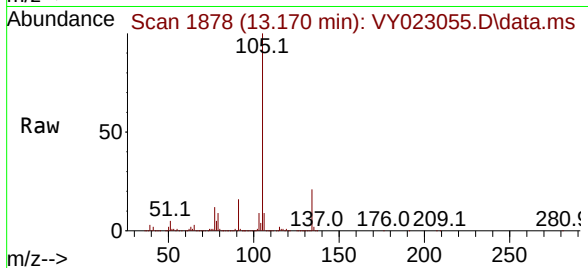




#85
 sec-Butylbenzene
 Concen: 153.897 ug/l
 RT: 13.170 min Scan# 1878
 Delta R.T. 0.000 min
 Lab File: VY023055.D
 Acq: 12 Aug 2025 16:47

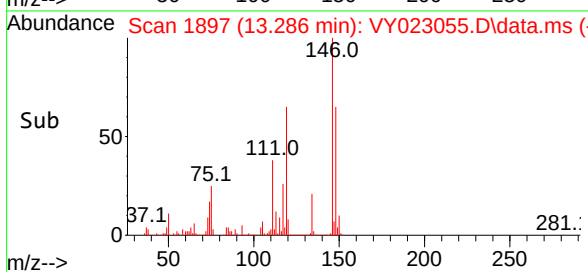
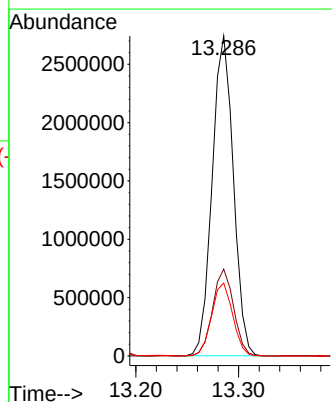
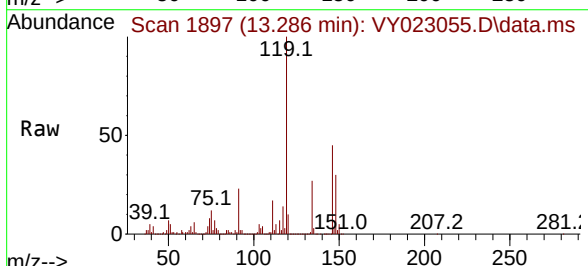
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC150

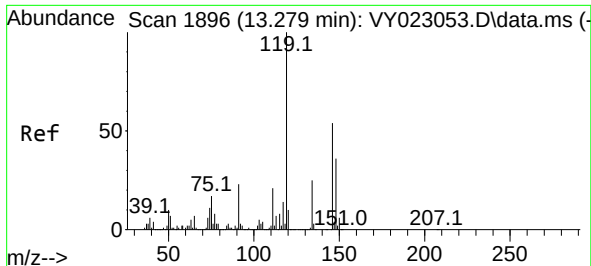
Tgt Ion:105 Resp: 4541629
 Ion Ratio Lower Upper
 105 100
 134 20.6 10.2 30.4



#86
 p-Isopropyltoluene
 Concen: 159.987 ug/l
 RT: 13.286 min Scan# 1897
 Delta R.T. 0.000 min
 Lab File: VY023055.D
 Acq: 12 Aug 2025 16:47

Tgt Ion:119 Resp: 3918969
 Ion Ratio Lower Upper
 119 100
 134 26.9 13.2 39.6
 91 22.6 11.3 33.8





#87

1,3-Dichlorobenzene

Concen: 158.251 ug/l

RT: 13.279 min Scan# 1896

Delta R.T. 0.000 min

Lab File: VY023055.D

Acq: 12 Aug 2025 16:47

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

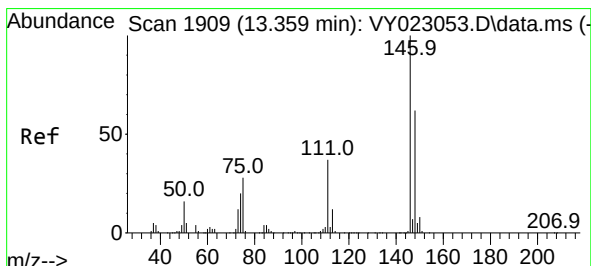
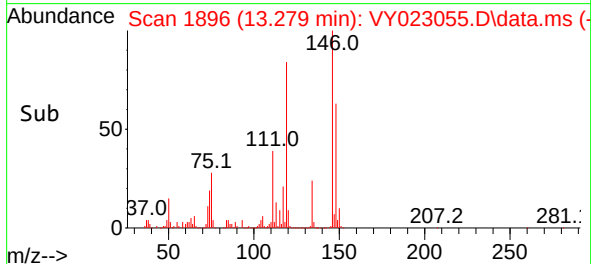
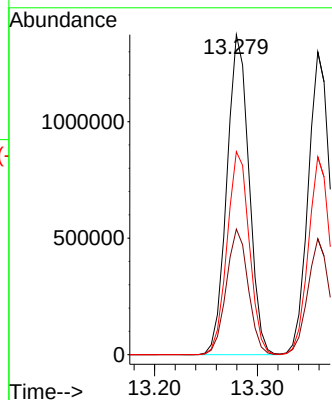
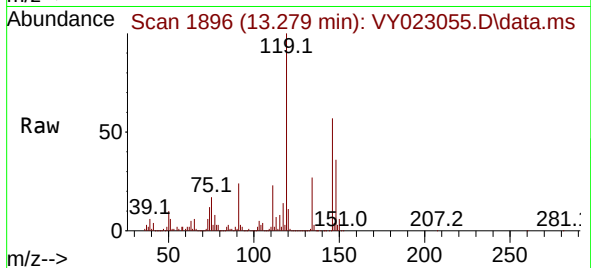
Tgt Ion:146 Resp: 2049060

Ion Ratio Lower Upper

146 100

111 38.9 19.6 58.7

148 63.8 32.5 97.5



#88

1,4-Dichlorobenzene

Concen: 151.172 ug/l

RT: 13.359 min Scan# 1909

Delta R.T. 0.000 min

Lab File: VY023055.D

Acq: 12 Aug 2025 16:47

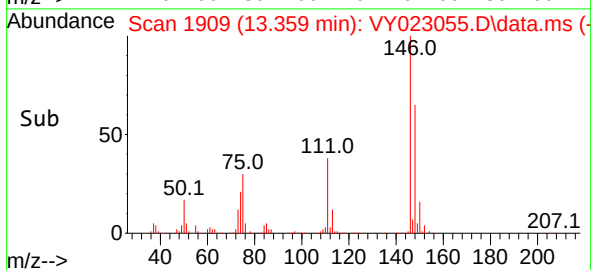
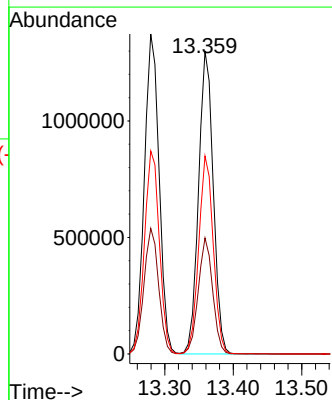
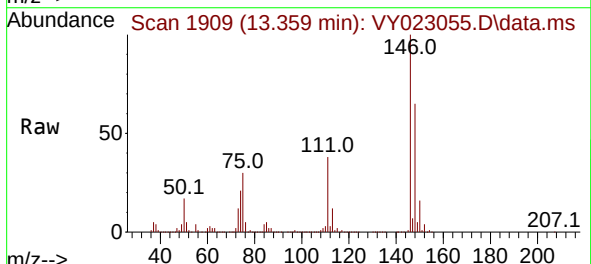
Tgt Ion:146 Resp: 1941716

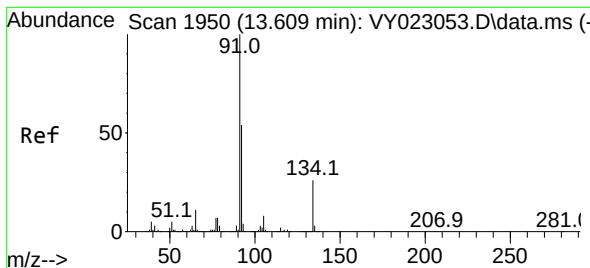
Ion Ratio Lower Upper

146 100

111 37.5 19.1 57.1

148 64.7 31.6 94.7

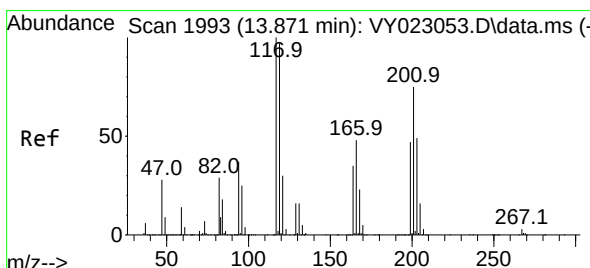
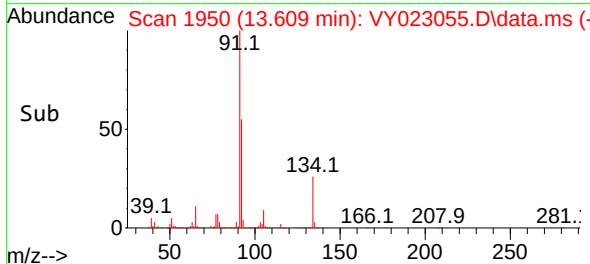
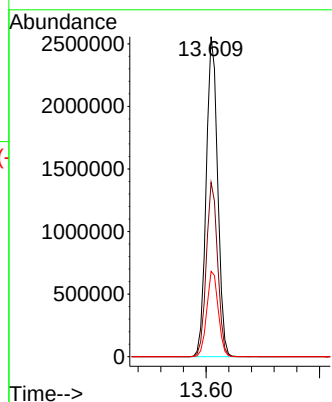
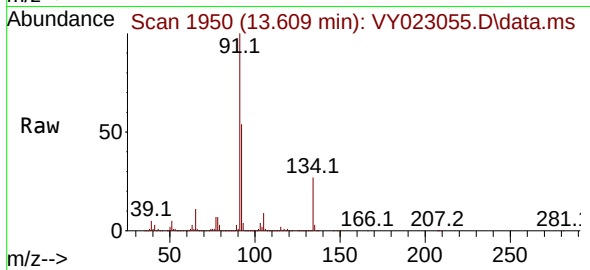




#89
n-Butylbenzene
Concen: 159.048 ug/l
RT: 13.609 min Scan# 1950
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

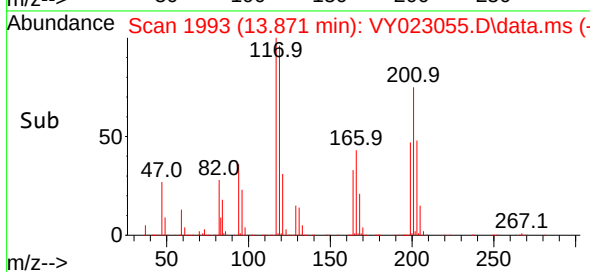
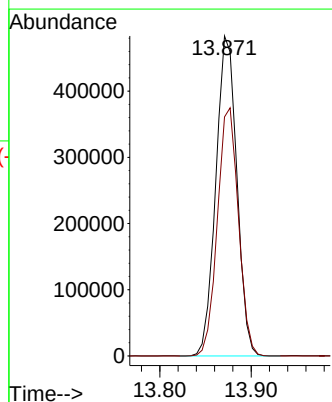
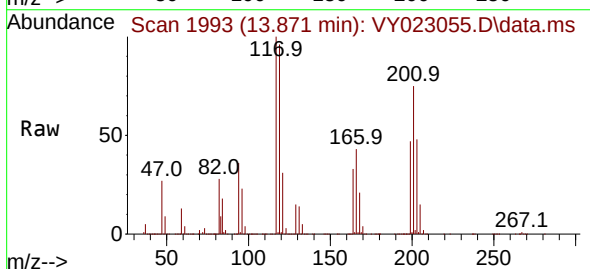
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

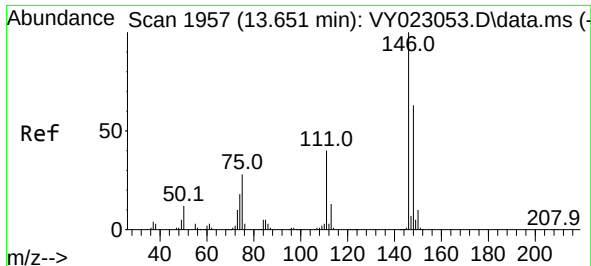
Tgt Ion: 91 Resp: 3578272
Ion Ratio Lower Upper
91 100
92 53.9 26.9 80.7
134 26.7 13.2 39.5



#90
Hexachloroethane
Concen: 154.073 ug/l
RT: 13.871 min Scan# 1993
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion: 117 Resp: 772603
Ion Ratio Lower Upper
117 100
201 77.6 38.4 115.1





#91

1,2-Dichlorobenzene

Concen: 154.469 ug/l

RT: 13.651 min Scan# 1957

Delta R.T. 0.000 min

Lab File: VY023055.D

Acq: 12 Aug 2025 16:47

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

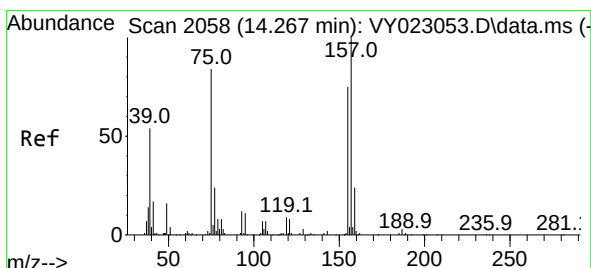
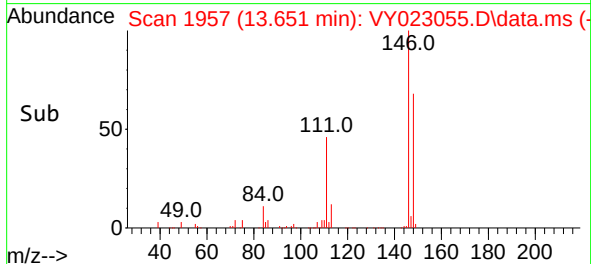
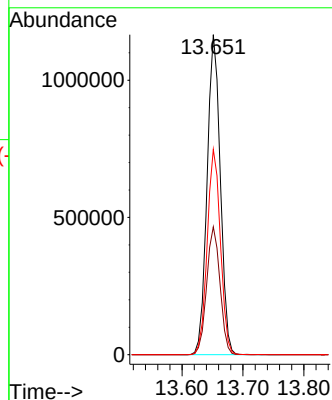
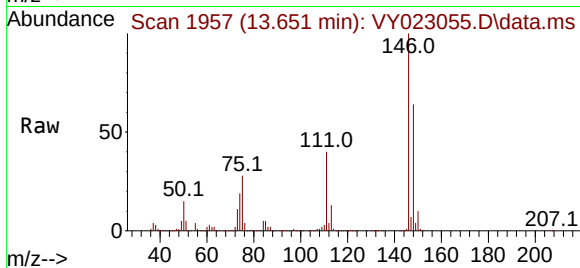
Tgt Ion:146 Resp: 1754100

Ion Ratio Lower Upper

146 100

111 40.4 20.3 60.8

148 64.2 32.2 96.6



#92

1,2-Dibromo-3-Chloropropane

Concen: 156.498 ug/l

RT: 14.267 min Scan# 2058

Delta R.T. 0.000 min

Lab File: VY023055.D

Acq: 12 Aug 2025 16:47

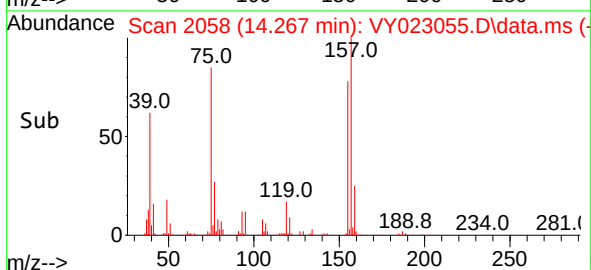
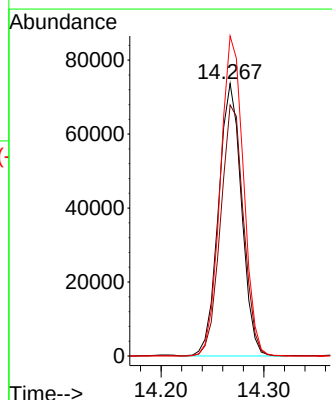
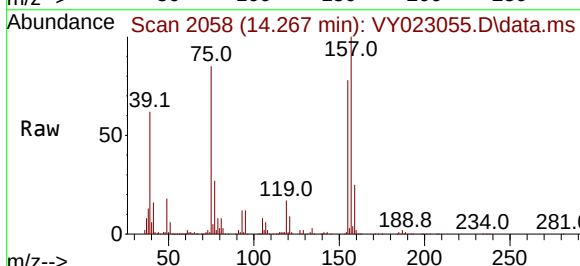
Tgt Ion: 75 Resp: 114505

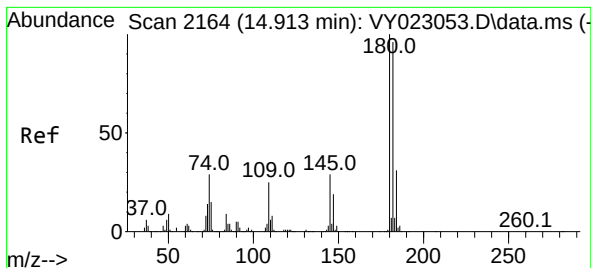
Ion Ratio Lower Upper

75 100

155 91.8 43.9 131.6

157 117.9 57.2 171.6





#93

1,2,4-Trichlorobenzene

Concen: 166.397 ug/l

RT: 14.913 min Scan# 2164

Delta R.T. 0.000 min

Lab File: VY023055.D

Acq: 12 Aug 2025 16:47

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

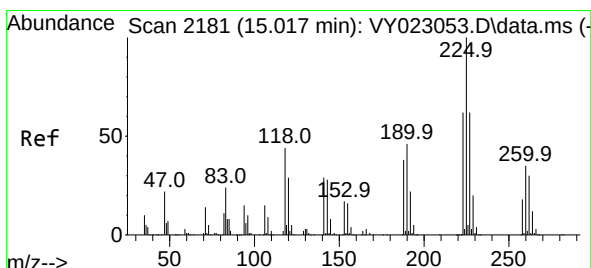
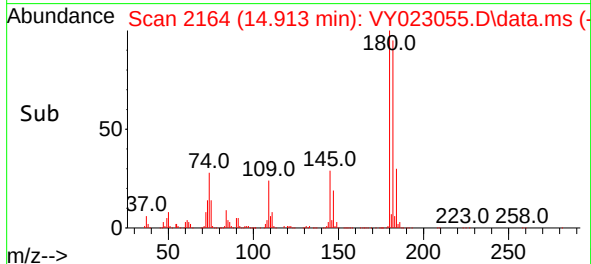
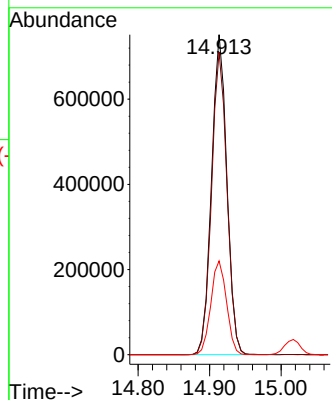
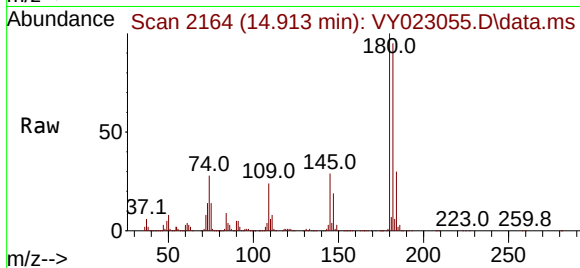
Tgt Ion:180 Resp: 1117401

Ion Ratio Lower Upper

180 100

182 95.0 46.8 140.4

145 30.0 14.4 43.4



#94

Hexachlorobutadiene

Concen: 149.352 ug/l

RT: 15.017 min Scan# 2181

Delta R.T. 0.000 min

Lab File: VY023055.D

Acq: 12 Aug 2025 16:47

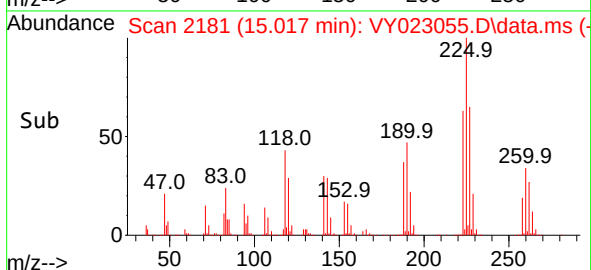
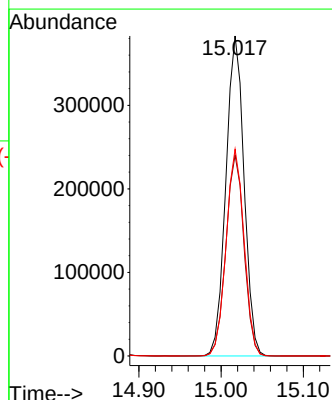
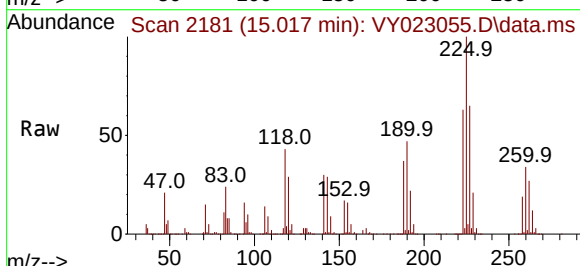
Tgt Ion:225 Resp: 589351

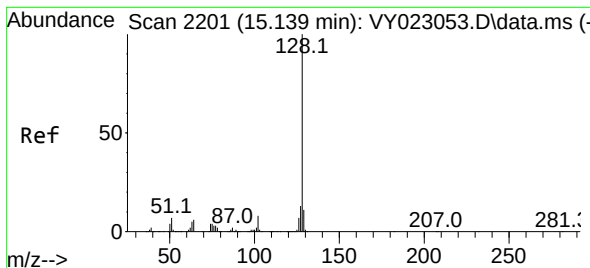
Ion Ratio Lower Upper

225 100

223 62.4 31.3 93.8

227 63.8 31.5 94.5

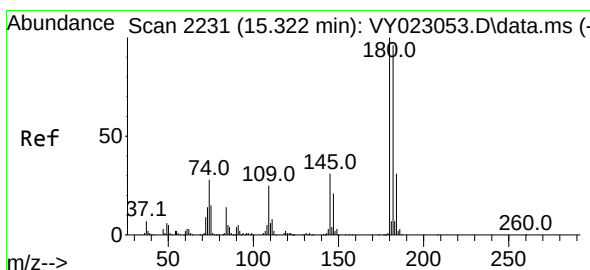
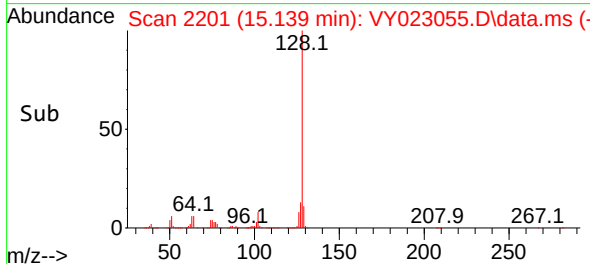
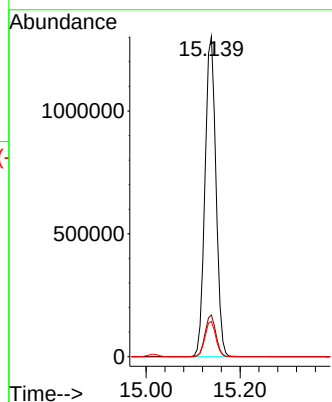
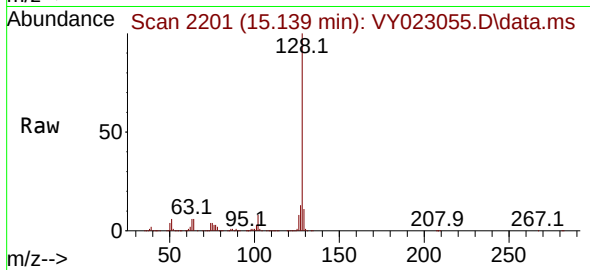




#95
Naphthalene
Concen: 182.954 ug/l
RT: 15.139 min Scan# 2201
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

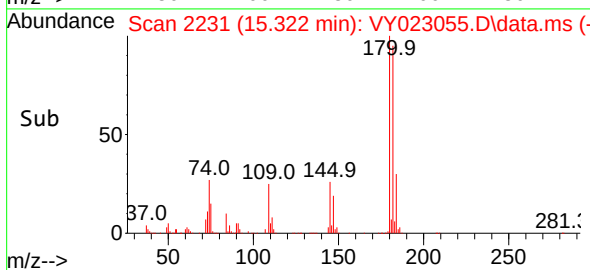
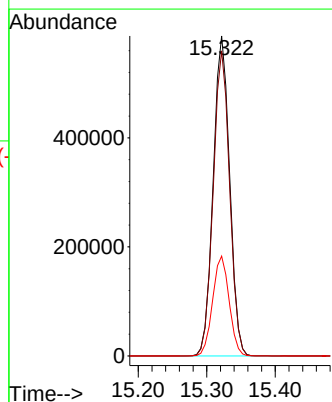
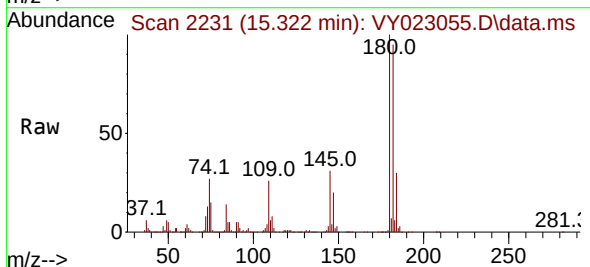
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tgt Ion:128 Resp: 2094983
Ion Ratio Lower Upper
128 100
127 12.9 10.4 15.6
129 11.0 9.0 13.4



#96
1,2,3-Trichlorobenzene
Concen: 168.557 ug/l
RT: 15.322 min Scan# 2231
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion:180 Resp: 975366
Ion Ratio Lower Upper
180 100
182 95.2 47.9 143.7
145 31.4 15.9 47.7



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081225\
 Data File : VY023057.D
 Acq On : 12 Aug 2025 17:53
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICSVY081225

Quant Time: Aug 13 02:14:27 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 13 02:10:11 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	528657	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	849851	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	756555	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	376990	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	252116	50.038	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 100.080%	
35) Dibromofluoromethane	7.628	113	255171	50.179	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 100.360%	
50) Toluene-d8	10.103	98	979510	49.306	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 98.620%	
62) 4-Bromofluorobenzene	12.402	95	329022	51.500	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 103.000%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.867	85	179421	41.579	ug/l	99
3) Chloromethane	2.068	50	340600	48.732	ug/l	100
4) Vinyl Chloride	2.202	62	416413	48.198	ug/l	99
5) Bromomethane	2.592	94	303147	46.983	ug/l	98
6) Chloroethane	2.733	64	281008	48.923	ug/l	99
7) Trichlorofluoromethane	3.050	101	493782	47.003	ug/l	100
8) Diethyl Ether	3.452	74	132818	47.787	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.812	101	247351	47.725	ug/l	99
10) Methyl Iodide	4.001	142	287126	51.340	ug/l	99
11) Tert butyl alcohol	4.860	59	84906	245.940	ug/l	98
12) 1,1-Dichloroethene	3.787	96	242931	47.686	ug/l	95
13) Acrolein	3.647	56	112246	222.008	ug/l	98
14) Allyl chloride	4.379	41	354691	47.317	ug/l	99
15) Acrylonitrile	5.055	53	274329	242.779	ug/l	99
16) Acetone	3.867	43	229985	210.695	ug/l	96
17) Carbon Disulfide	4.104	76	779852	46.948	ug/l	99
18) Methyl Acetate	4.385	43	168821	51.972	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	658713	49.899	ug/l	100
20) Methylene Chloride	4.610	84	283386	49.960	ug/l	98
21) trans-1,2-Dichloroethene	5.110	96	279182	48.765	ug/l	98
22) Diisopropyl ether	6.019	45	814622	50.011	ug/l	97
23) Vinyl Acetate	5.958	43	2182924	242.360	ug/l	100
24) 1,1-Dichloroethane	5.915	63	483509	48.551	ug/l	100
25) 2-Butanone	6.890	43	341490	230.028	ug/l	99
26) 2,2-Dichloropropane	6.884	77	390777	45.475	ug/l	99
27) cis-1,2-Dichloroethene	6.884	96	322451	48.720	ug/l	99
28) Bromochloromethane	7.238	49	198640	50.275	ug/l	100
29) Tetrahydrofuran	7.262	42	227680	247.420	ug/l	100
30) Chloroform	7.421	83	497627	48.450	ug/l	97
31) Cyclohexane	7.695	56	436638	46.526	ug/l	98
32) 1,1,1-Trichloroethane	7.610	97	445943	48.933	ug/l	100
36) 1,1-Dichloropropene	7.829	75	364210	48.193	ug/l	99
37) Ethyl Acetate	6.982	43	157530	49.621	ug/l	99
38) Carbon Tetrachloride	7.817	117	394245	48.030	ug/l	99
39) Methylcyclohexane	9.103	83	493867	49.625	ug/l	98
40) Benzene	8.073	78	1128023	48.428	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081225\
 Data File : VY023057.D
 Acq On : 12 Aug 2025 17:53
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY081225

Quant Time: Aug 13 02:14:27 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 13 02:10:11 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	88437	48.269	ug/l	99
42) 1,2-Dichloroethane	8.152	62	291766	48.162	ug/l	100
43) Isopropyl Acetate	8.195	43	315013	49.094	ug/l	98
44) Trichloroethene	8.860	130	287745	47.803	ug/l	95
45) 1,2-Dichloropropane	9.140	63	262408	48.961	ug/l	98
46) Dibromomethane	9.225	93	149745	48.679	ug/l	99
47) Bromodichloromethane	9.420	83	391522	49.463	ug/l	98
48) Methyl methacrylate	9.219	41	155118	50.520	ug/l	99
49) 1,4-Dioxane	9.225	88	35050	971.749	ug/l	98
51) 4-Methyl-2-Pentanone	9.993	43	823949	248.943	ug/l	99
52) Toluene	10.164	92	724356	48.963	ug/l	100
53) t-1,3-Dichloropropene	10.390	75	356228	49.699	ug/l	99
54) cis-1,3-Dichloropropene	9.853	75	415017	48.965	ug/l	97
55) 1,1,2-Trichloroethane	10.567	97	201146	48.867	ug/l	98
56) Ethyl methacrylate	10.432	69	267458	50.779	ug/l	99
57) 1,3-Dichloropropane	10.713	76	343649	49.228	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.707	63	678865	273.240	ug/l	100
59) 2-Hexanone	10.756	43	551743	244.812	ug/l	99
60) Dibromochloromethane	10.908	129	270536	49.810	ug/l	99
61) 1,2-Dibromoethane	11.012	107	190334	49.197	ug/l	100
64) Tetrachloroethene	10.640	164	307456	45.512	ug/l	98
65) Chlorobenzene	11.438	112	787799	48.275	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.512	131	270360	48.815	ug/l	99
67) Ethyl Benzene	11.512	91	1380648	49.163	ug/l	100
68) m/p-Xylenes	11.621	106	1080541	98.515	ug/l	99
69) o-Xylene	11.950	106	509991	49.645	ug/l	99
70) Styrene	11.963	104	852310	50.733	ug/l	99
71) Bromoform	12.127	173	157073	48.525	ug/l #	98
73) Isopropylbenzene	12.249	105	1327070	49.876	ug/l	100
74) N-amyl acetate	12.066	43	285118	50.529	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.499	83	224206	49.350	ug/l	98
76) 1,2,3-Trichloropropane	12.548	75	294203	80.862	ug/l #	100
77) Bromobenzene	12.524	156	311065	49.004	ug/l	99
78) n-propylbenzene	12.591	91	1610911	50.853	ug/l	100
79) 2-Chlorotoluene	12.676	91	905657	49.898	ug/l	100
80) 1,3,5-Trimethylbenzene	12.731	105	1094902	50.916	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.298	75	74263	49.409	ug/l	98
82) 4-Chlorotoluene	12.774	91	932114	49.505	ug/l	100
83) tert-Butylbenzene	12.993	119	979692	50.443	ug/l	99
84) 1,2,4-Trimethylbenzene	13.036	105	1092616	51.042	ug/l	100
85) sec-Butylbenzene	13.170	105	1459437	51.154	ug/l	100
86) p-Isopropyltoluene	13.286	119	1222900	51.639	ug/l	100
87) 1,3-Dichlorobenzene	13.280	146	621371	49.639	ug/l	98
88) 1,4-Dichlorobenzene	13.359	146	602429	48.514	ug/l	99
89) n-Butylbenzene	13.609	91	1122189	51.594	ug/l	100
90) Hexachloroethane	13.871	117	245386	50.617	ug/l	99
91) 1,2-Dichlorobenzene	13.651	146	540506	49.234	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.267	75	35428	50.085	ug/l	98
93) 1,2,4-Trichlorobenzene	14.913	180	320472	49.363	ug/l	99
94) Hexachlorobutadiene	15.017	225	184430	48.344	ug/l	99
95) Naphthalene	15.139	128	571480	51.623	ug/l	100
96) 1,2,3-Trichlorobenzene	15.322	180	272638	48.735	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081225\
Data File : VY023057.D
Acq On : 12 Aug 2025 17:53
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY081225

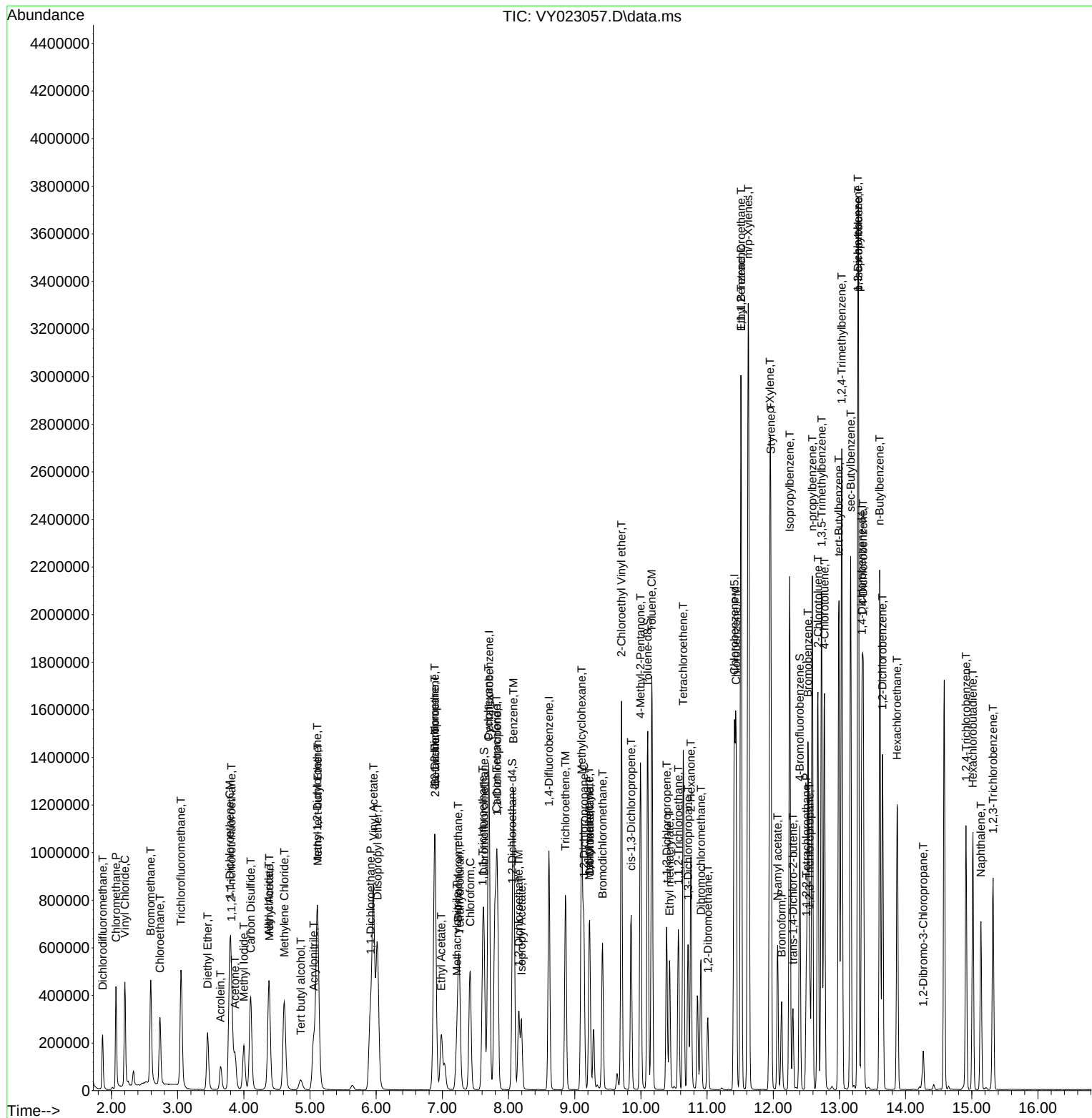
Quant Time: Aug 13 02:14:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

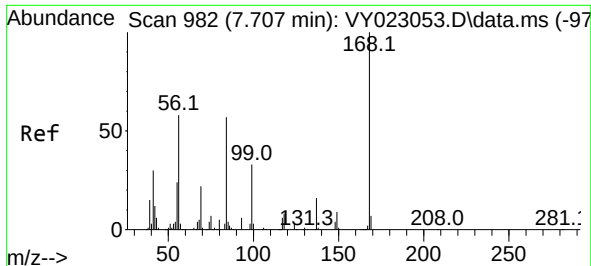
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY081225

Quant Time: Aug 13 02:14:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

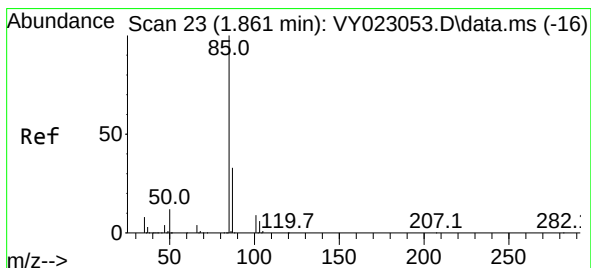
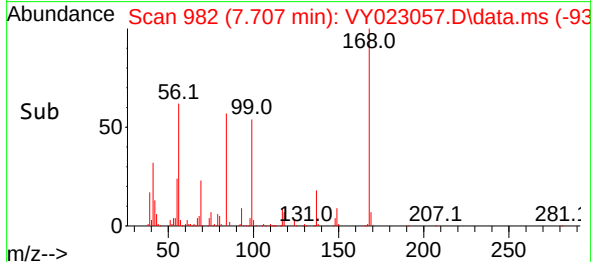
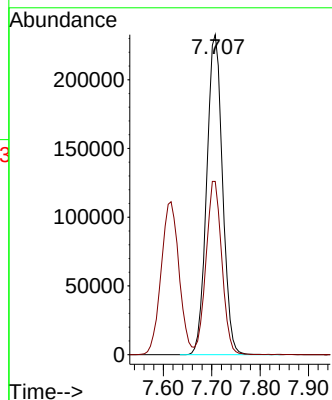
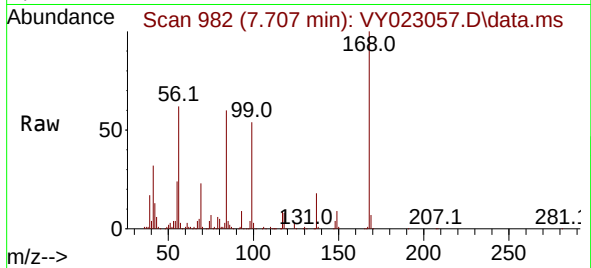




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

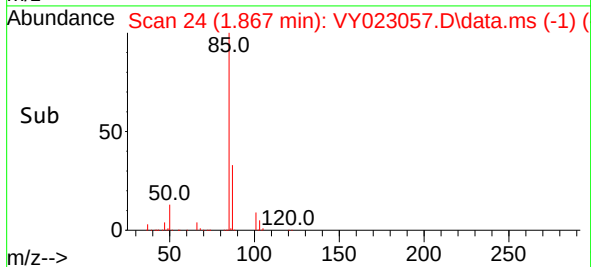
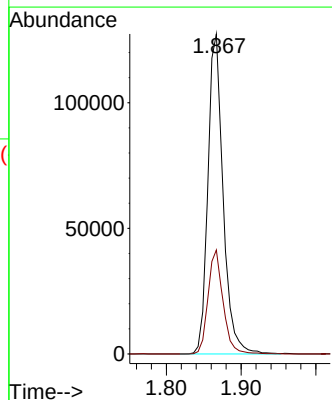
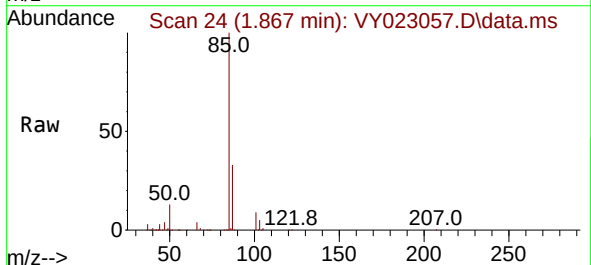
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY081225

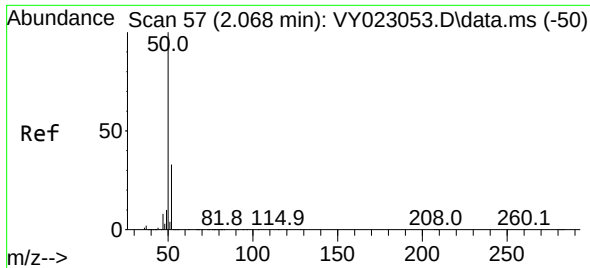
Tgt Ion:168 Resp: 528657
Ion Ratio Lower Upper
168 100
99 54.1 42.8 64.2



#2
Dichlorodifluoromethane
Concen: 41.579 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.006 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion: 85 Resp: 179421
Ion Ratio Lower Upper
85 100
87 32.5 16.6 49.8

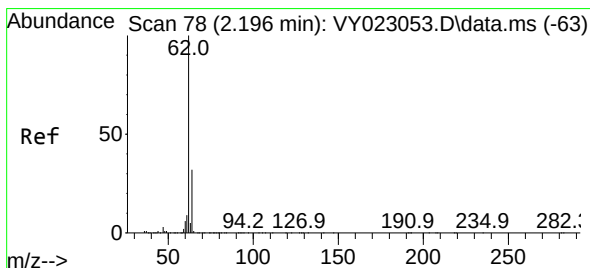
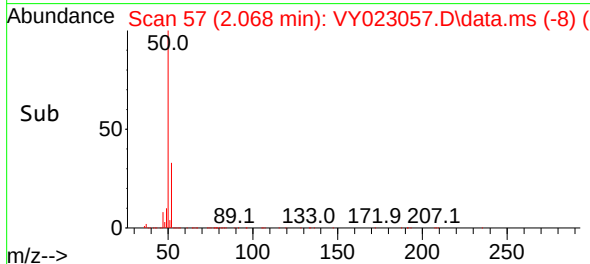
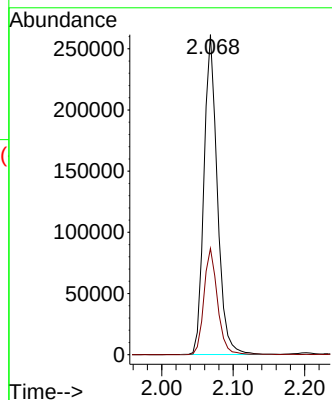
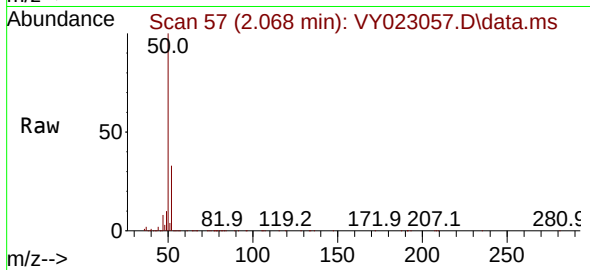




#3
Chloromethane
Concen: 48.732 ug/l
RT: 2.068 min Scan# 51
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

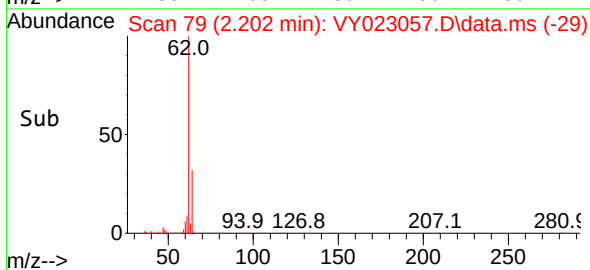
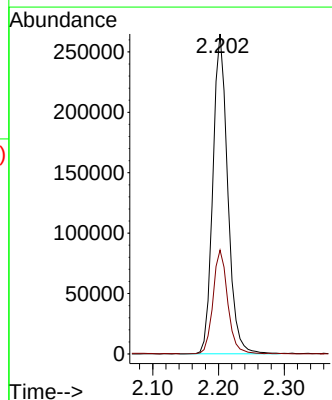
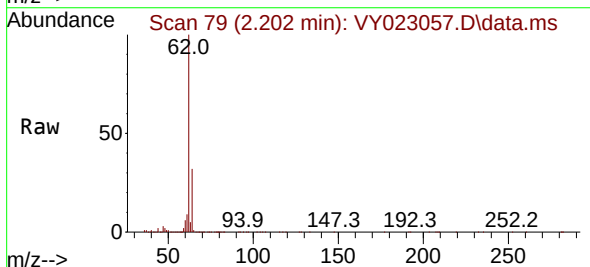
Instrument :
MSVOA_Y
ClientSampleId :
ICVY081225

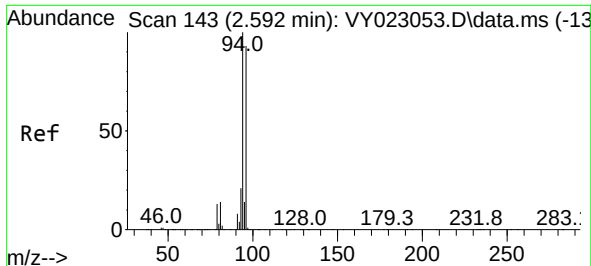
Tgt Ion: 50 Resp: 340600
Ion Ratio Lower Upper
50 100
52 33.2 26.7 40.1



#4
Vinyl Chloride
Concen: 48.198 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.006 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion: 62 Resp: 416413
Ion Ratio Lower Upper
62 100
64 32.4 25.4 38.0

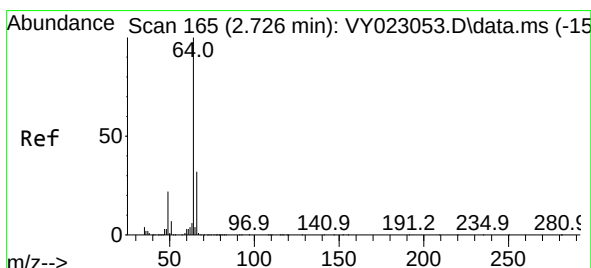
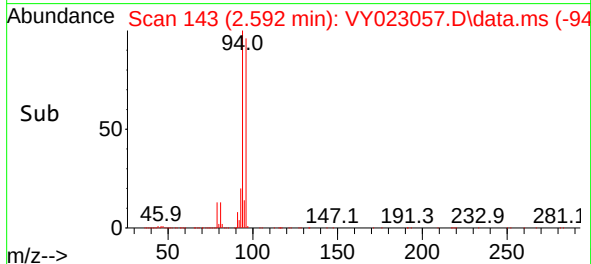
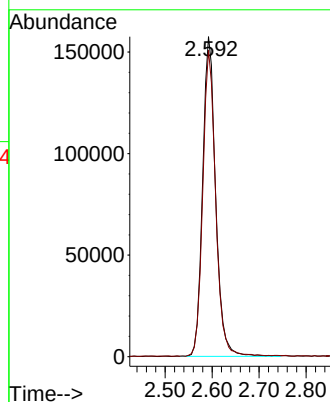
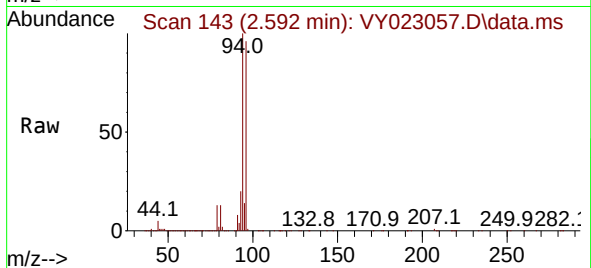




#5
Bromomethane
Concen: 46.983 ug/l
RT: 2.592 min Scan# 143
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

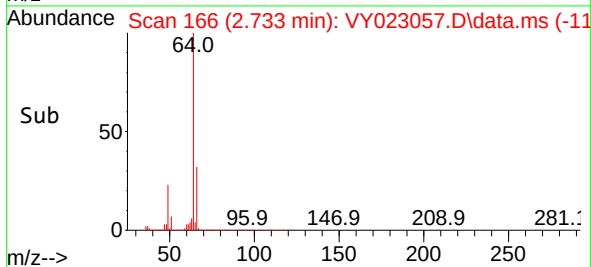
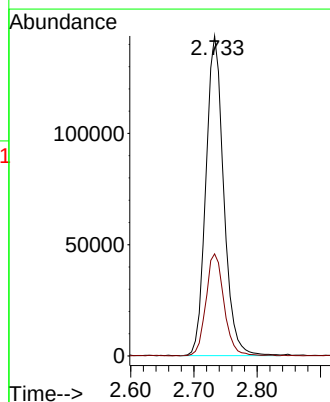
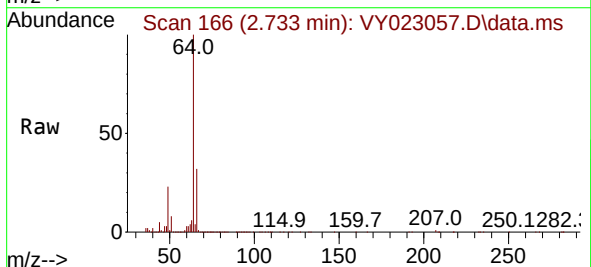
Instrument :
MSVOA_Y
ClientSampleId :
ICVY081225

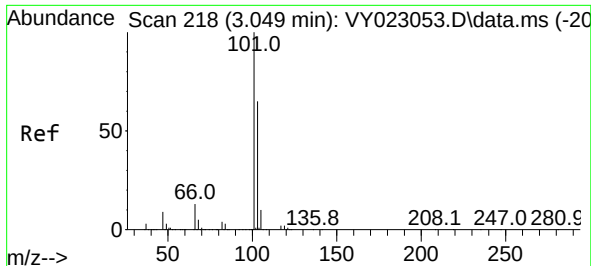
Tgt Ion: 94 Resp: 303147
Ion Ratio Lower Upper
94 100
96 95.7 74.6 112.0



#6
Chloroethane
Concen: 48.923 ug/l
RT: 2.733 min Scan# 166
Delta R.T. 0.006 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion: 64 Resp: 281008
Ion Ratio Lower Upper
64 100
66 31.9 25.8 38.6

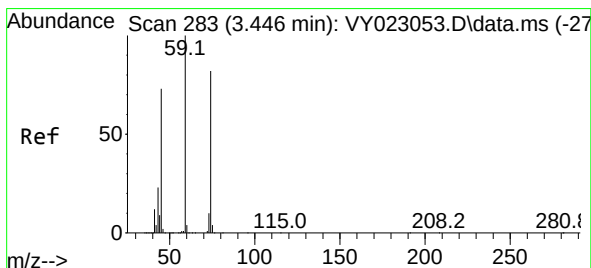
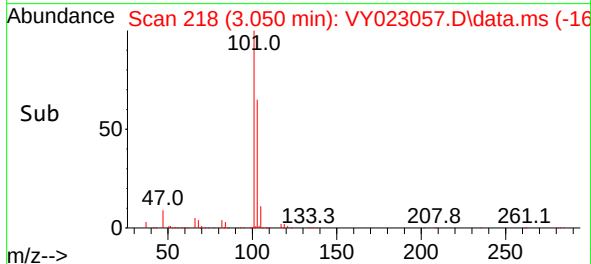
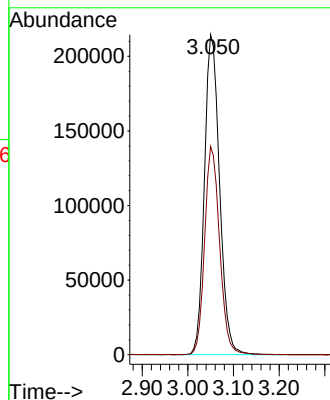
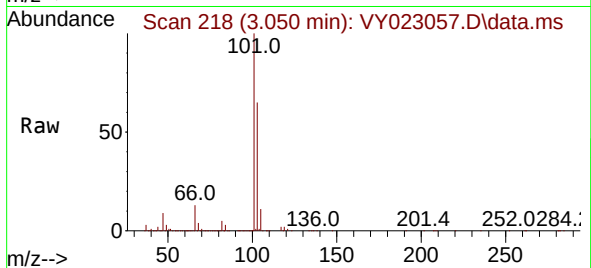




#7
Trichlorofluoromethane
Concen: 47.003 ug/l
RT: 3.050 min Scan# 218
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

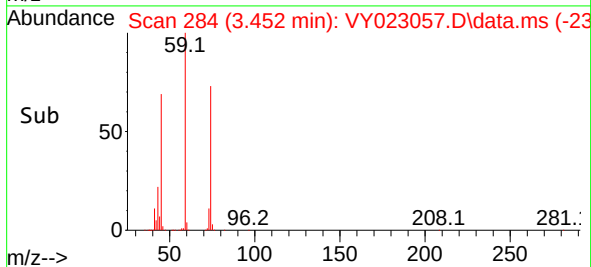
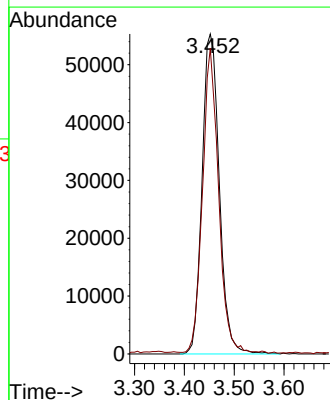
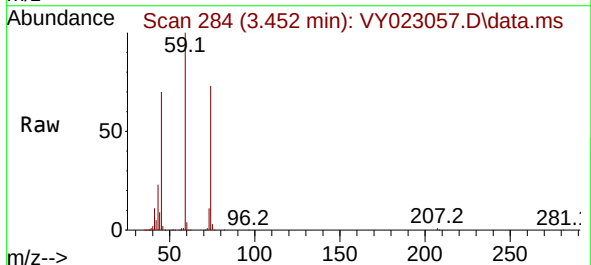
Instrument :
MSVOA_Y
ClientSampleId :
ICVY081225

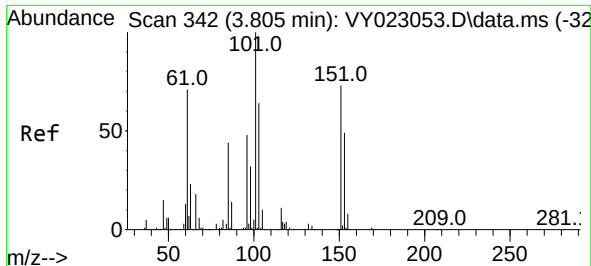
Tgt Ion:101 Resp: 493782
Ion Ratio Lower Upper
101 100
103 65.1 51.9 77.9



#8
Diethyl Ether
Concen: 47.787 ug/l
RT: 3.452 min Scan# 284
Delta R.T. 0.006 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion: 74 Resp: 132818
Ion Ratio Lower Upper
74 100
45 88.1 44.4 133.2

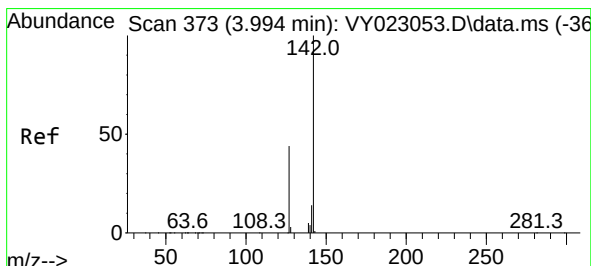
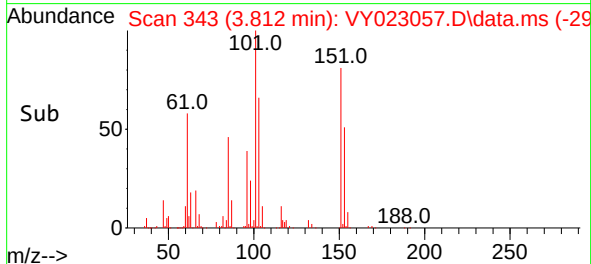
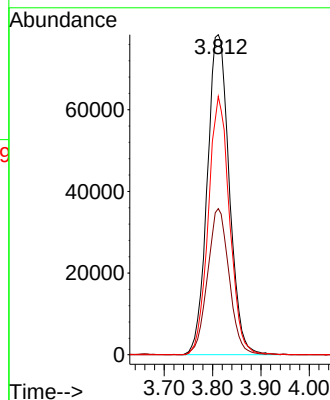
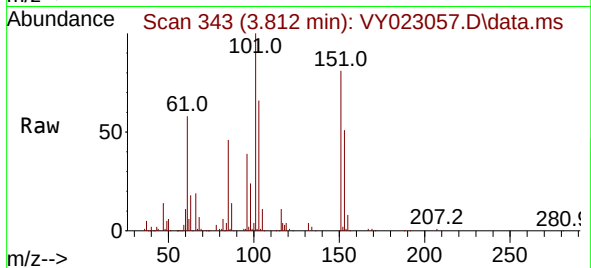




#9
1,1,2-Trichlorotrifluoroethane
Concen: 47.725 ug/l
RT: 3.812 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

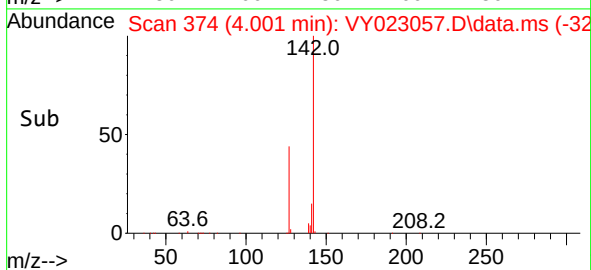
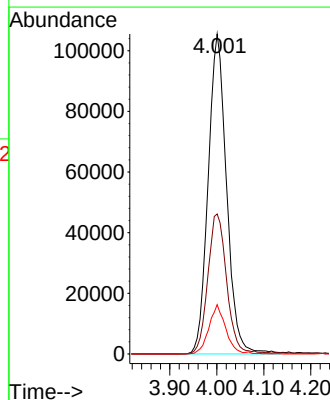
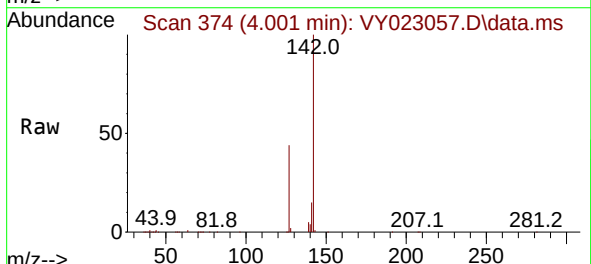
Instrument :
MSVOA_Y
ClientSampleId :
ICVY081225

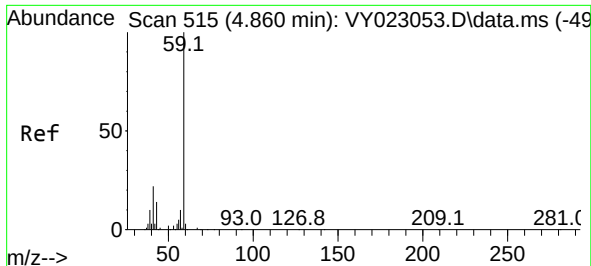
Tgt Ion:101 Resp: 247351
Ion Ratio Lower Upper
101 100
85 44.9 36.3 54.5
151 77.9 61.5 92.3



#10
Methyl Iodide
Concen: 51.340 ug/l
RT: 4.001 min Scan# 374
Delta R.T. 0.006 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion:142 Resp: 287126
Ion Ratio Lower Upper
142 100
127 44.8 34.9 52.3
141 14.1 11.3 16.9

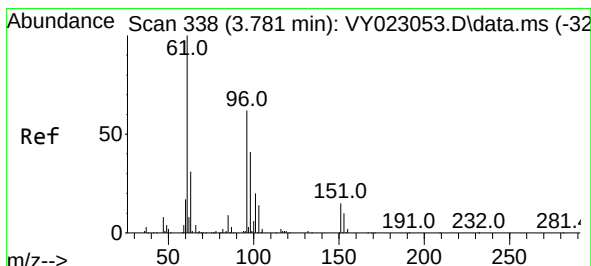
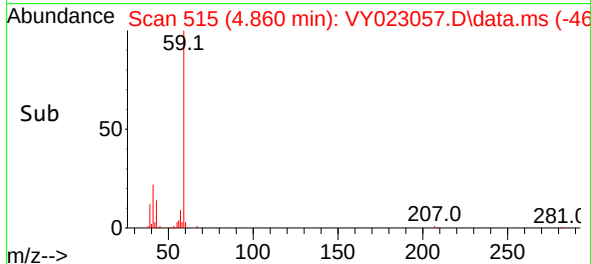
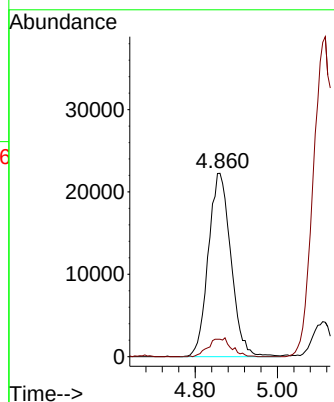
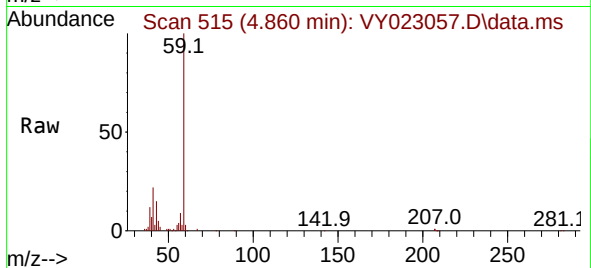




#11
Tert butyl alcohol
Concen: 245.940 ug/l
RT: 4.860 min Scan# 515
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

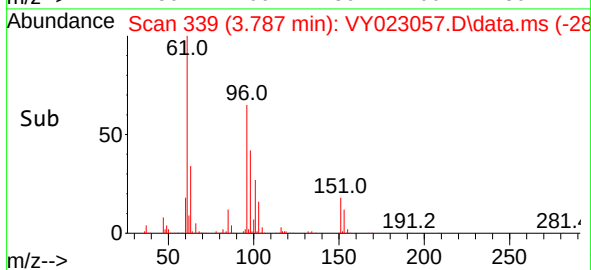
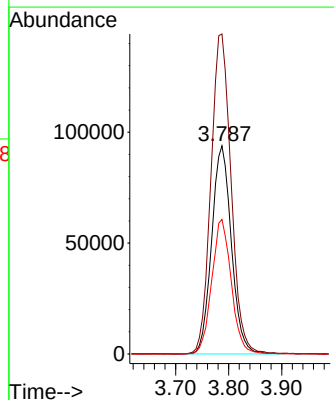
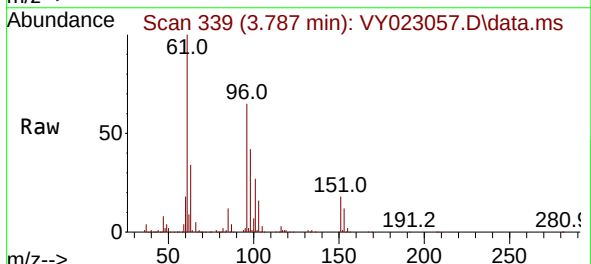
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY081225

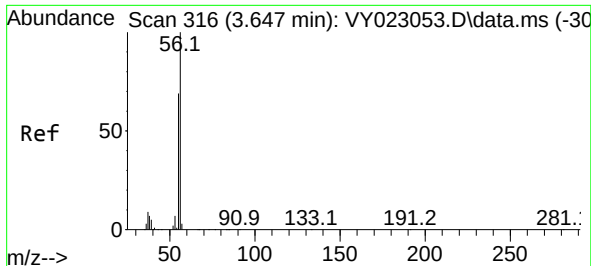
Tgt Ion: 59 Resp: 84906
Ion Ratio Lower Upper
59 100
57 10.2 8.6 13.0



#12
1,1-Dichloroethene
Concen: 47.686 ug/l
RT: 3.787 min Scan# 339
Delta R.T. 0.006 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion: 96 Resp: 242931
Ion Ratio Lower Upper
96 100
61 153.7 129.4 194.2
98 64.6 52.8 79.2

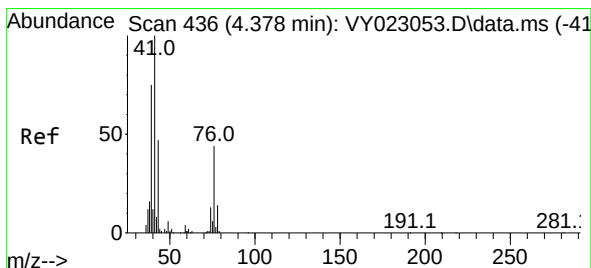
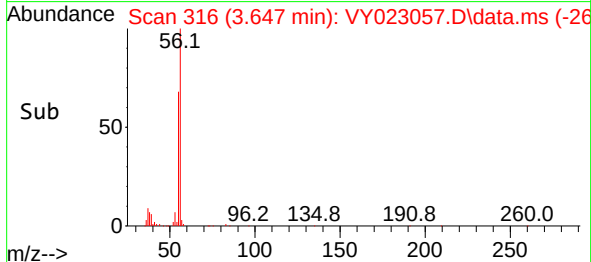
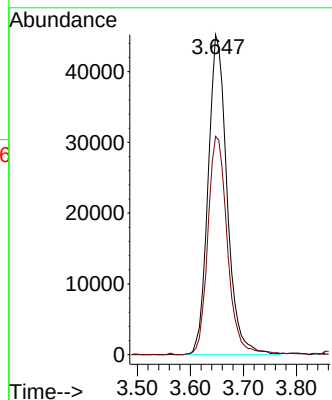
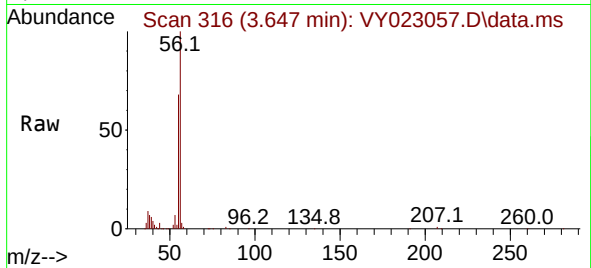




#13
Acrolein
Concen: 222.008 ug/l
RT: 3.647 min Scan# 316
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

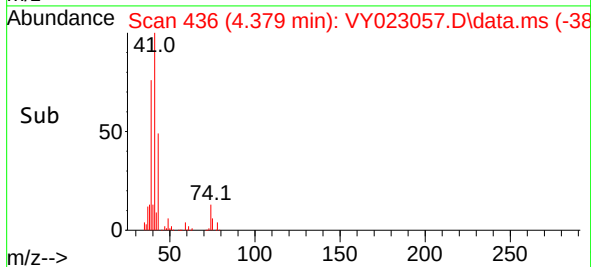
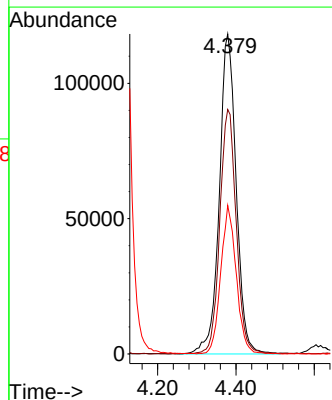
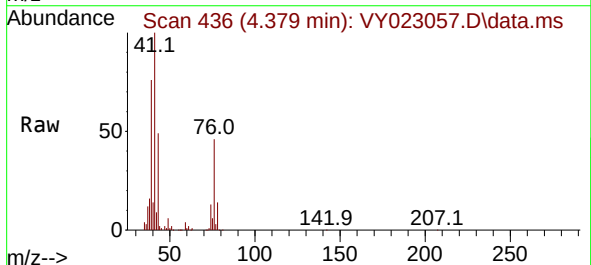
Instrument :
MSVOA_Y
ClientSampleId :
ICVY081225

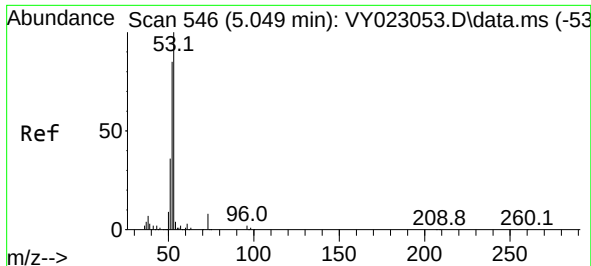
Tgt Ion: 56 Resp: 112246
Ion Ratio Lower Upper
56 100
55 70.5 55.2 82.8



#14
Allyl chloride
Concen: 47.317 ug/l
RT: 4.379 min Scan# 436
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion: 41 Resp: 354691
Ion Ratio Lower Upper
41 100
39 74.2 59.8 89.6
76 42.7 33.7 50.5

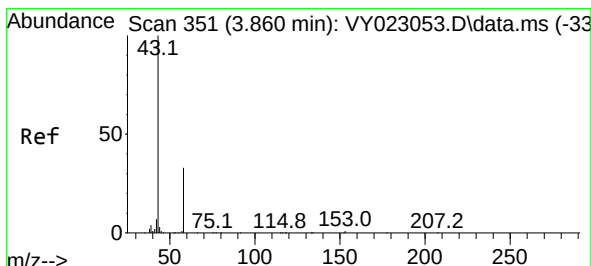
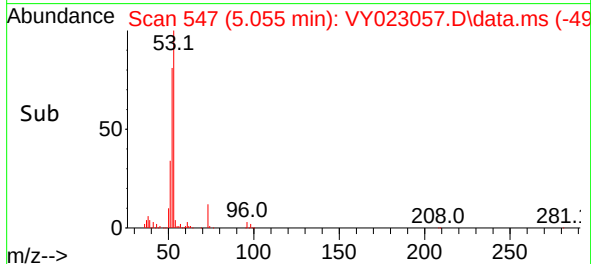
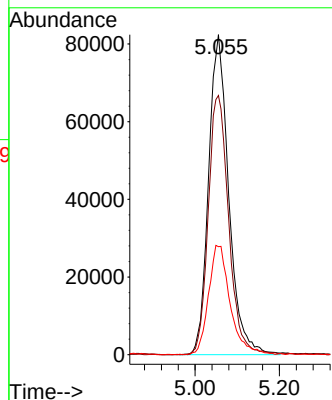
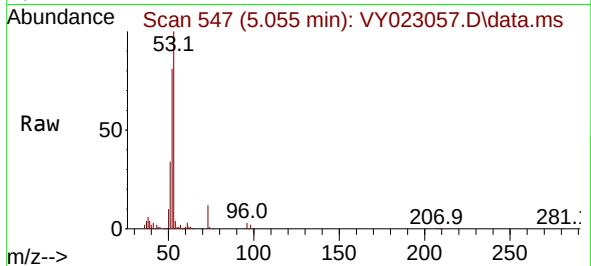




#15
Acrylonitrile
Concen: 242.779 ug/l
RT: 5.055 min Scan# 54
Delta R.T. 0.006 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

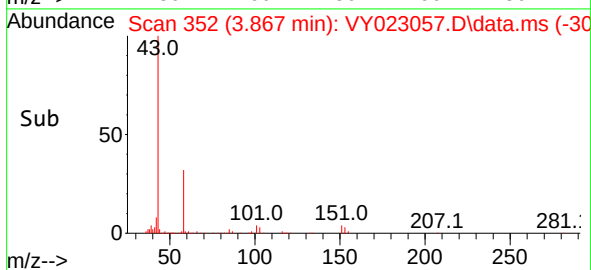
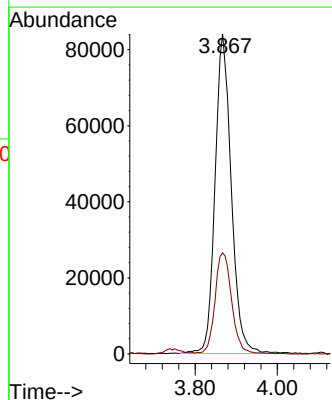
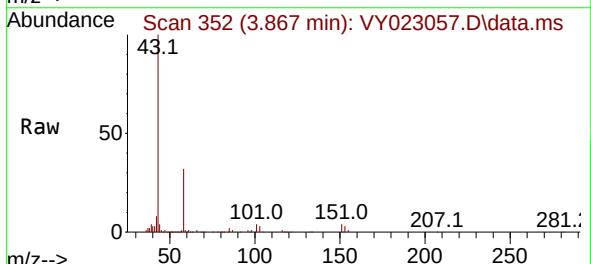
Instrument :
MSVOA_Y
ClientSampleId :
ICVY081225

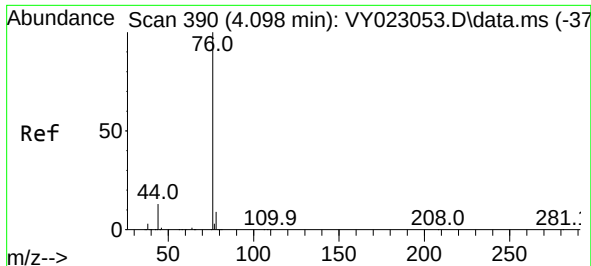
Tgt Ion: 53 Resp: 274329
Ion Ratio Lower Upper
53 100
52 82.1 65.3 97.9
51 36.5 29.5 44.3



#16
Acetone
Concen: 210.695 ug/l
RT: 3.867 min Scan# 352
Delta R.T. 0.006 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion: 43 Resp: 229985
Ion Ratio Lower Upper
43 100
58 31.5 27.1 40.7

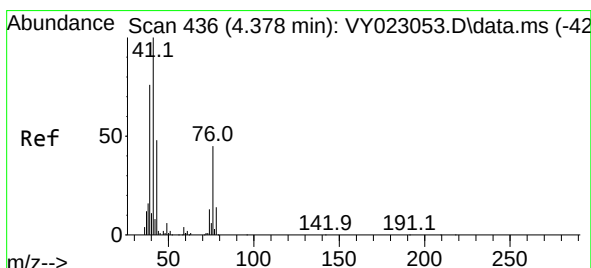
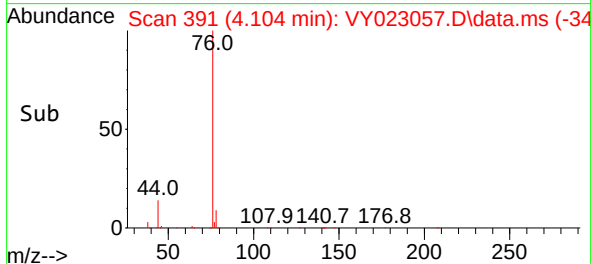
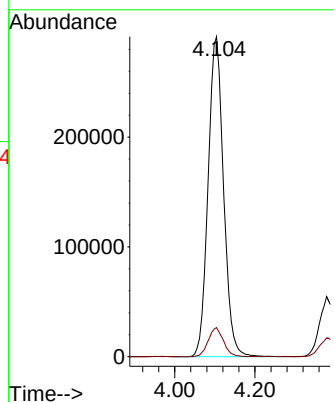
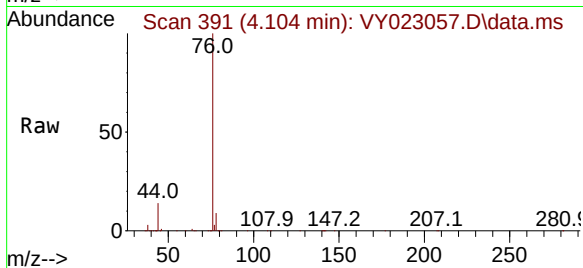




#17
Carbon Disulfide
Concen: 46.948 ug/l
RT: 4.104 min Scan# 391
Delta R.T. 0.006 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

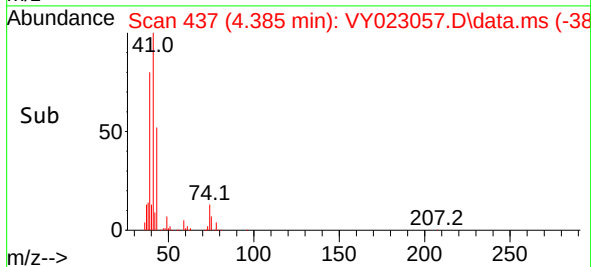
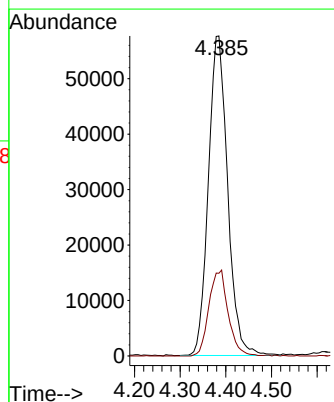
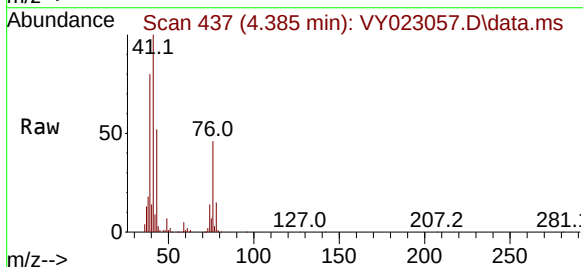
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY081225

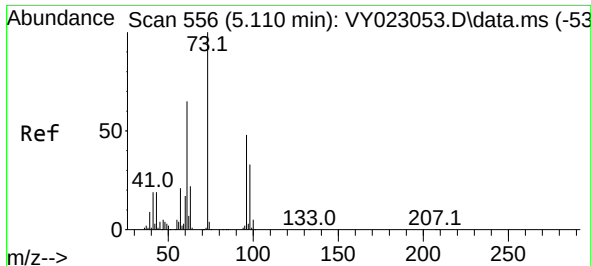
Tgt Ion: 76 Resp: 779852
Ion Ratio Lower Upper
76 100
78 9.1 7.4 11.2



#18
Methyl Acetate
Concen: 51.972 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.006 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion: 43 Resp: 168821
Ion Ratio Lower Upper
43 100
74 26.8 21.2 31.8

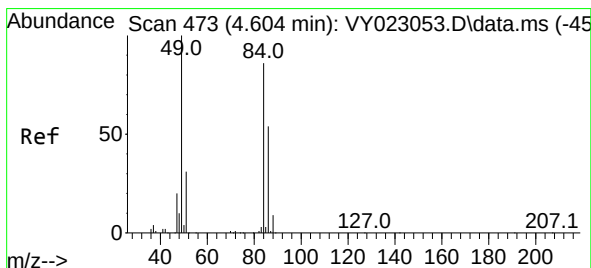
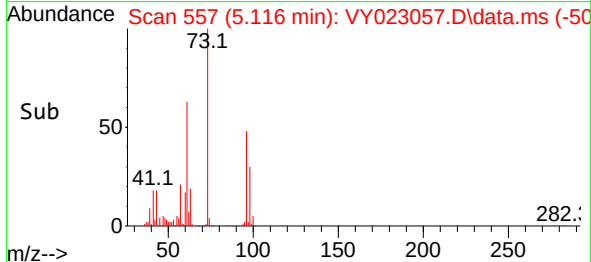
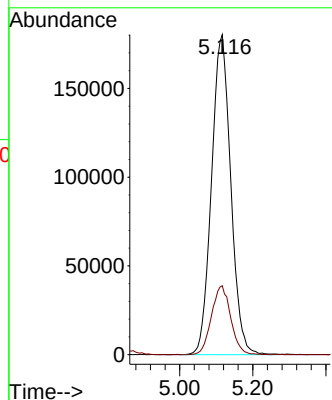
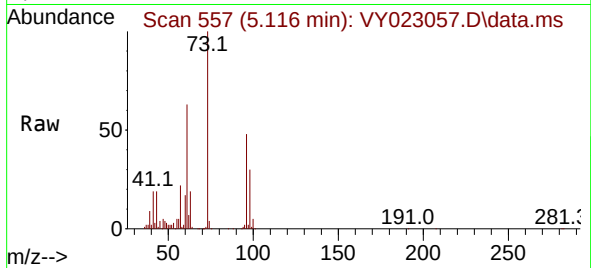




#19
Methyl tert-butyl Ether
Concen: 49.899 ug/l
RT: 5.116 min Scan# 51
Delta R.T. 0.006 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

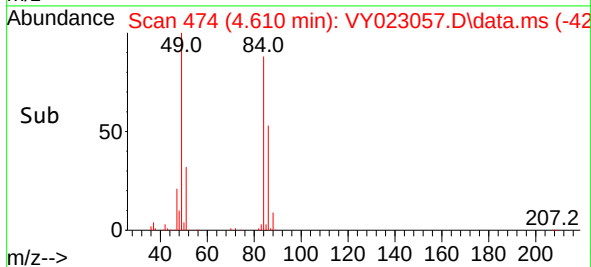
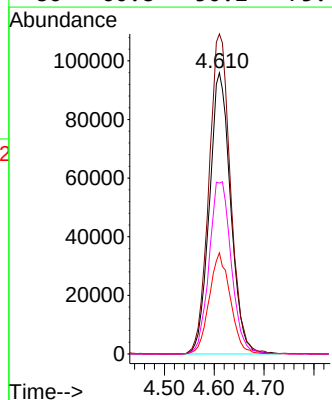
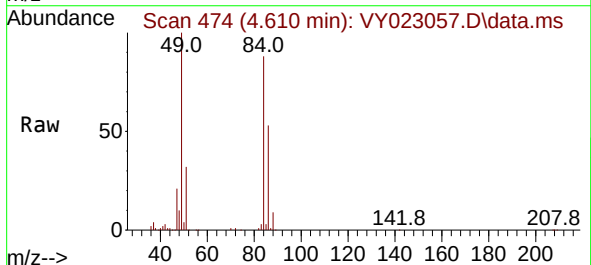
Instrument :
MSVOA_Y
ClientSampleId :
ICVY081225

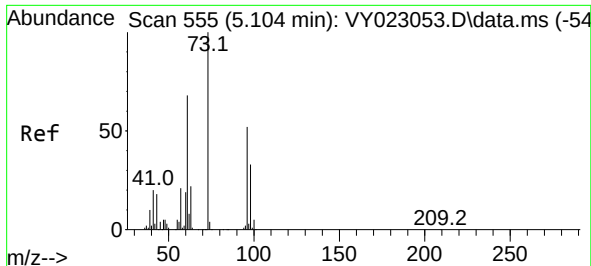
Tgt Ion: 73 Resp: 658713
Ion Ratio Lower Upper
73 100
57 21.5 17.1 25.7



#20
Methylene Chloride
Concen: 49.960 ug/l
RT: 4.610 min Scan# 474
Delta R.T. 0.006 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion: 84 Resp: 283386
Ion Ratio Lower Upper
84 100
49 113.8 93.0 139.6
51 36.0 29.0 43.4
86 60.8 50.2 75.4

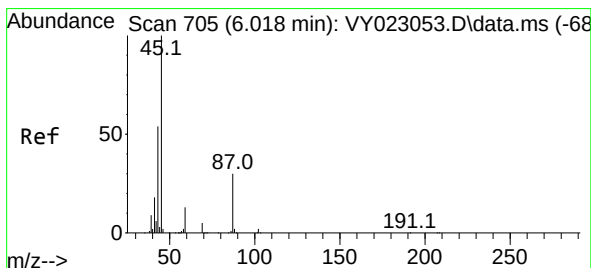
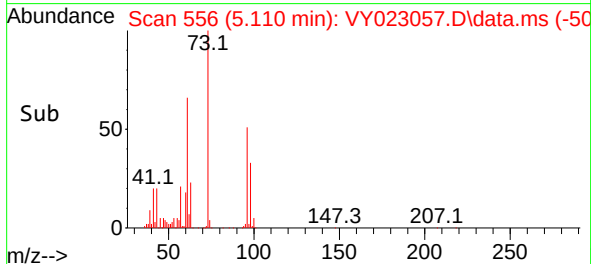
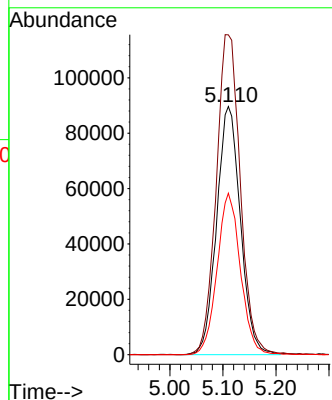
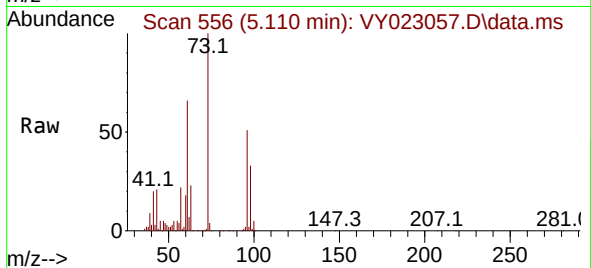




#21
trans-1,2-Dichloroethene
Concen: 48.765 ug/l
RT: 5.110 min Scan# 511
Delta R.T. 0.006 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

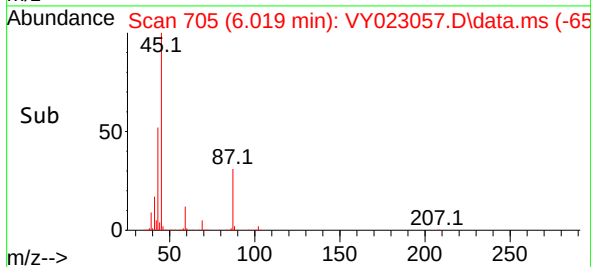
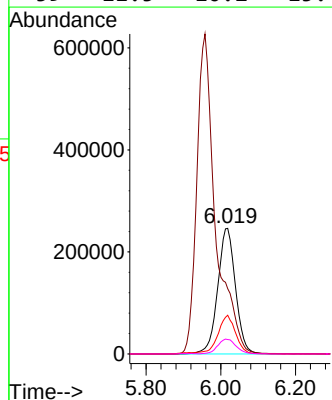
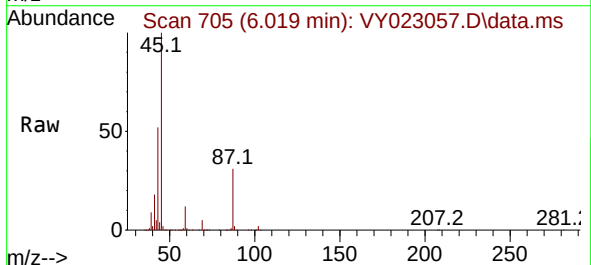
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY081225

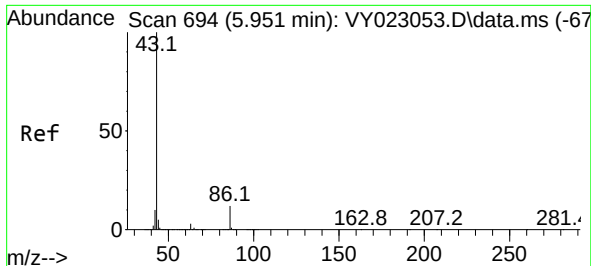
Tgt Ion: 96 Resp: 279182
Ion Ratio Lower Upper
96 100
61 128.9 104.8 157.2
98 65.0 50.1 75.1



#22
Diisopropyl ether
Concen: 50.011 ug/l
RT: 6.019 min Scan# 705
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion: 45 Resp: 814622
Ion Ratio Lower Upper
45 100
43 51.7 43.4 65.0
87 30.8 24.4 36.6
59 11.5 10.2 15.4

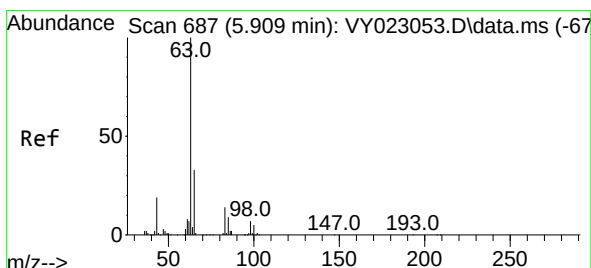
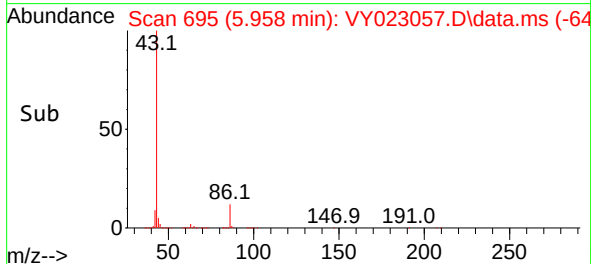
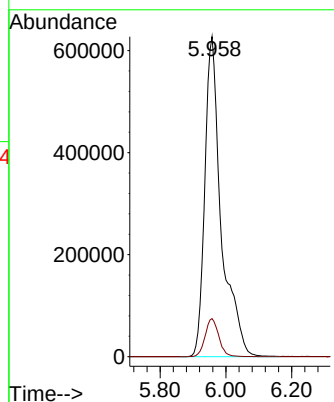
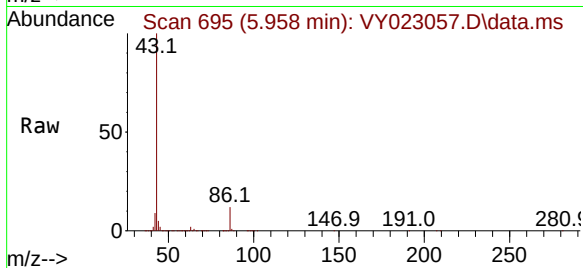




#23
 Vinyl Acetate
 Concen: 242.360 ug/l
 RT: 5.958 min Scan# 694
 Delta R.T. 0.006 min
 Lab File: VY023057.D
 Acq: 12 Aug 2025 17:53

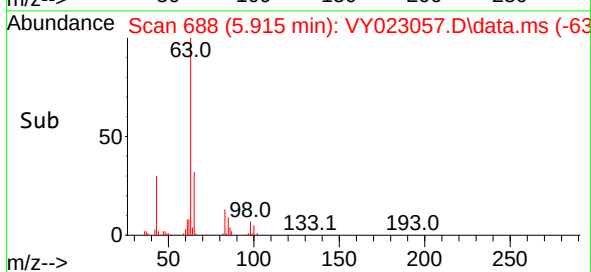
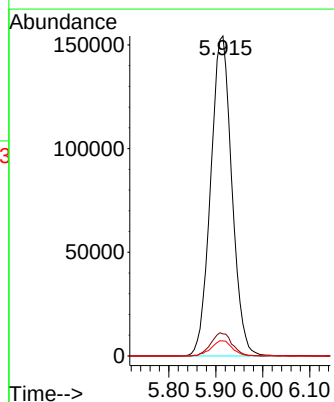
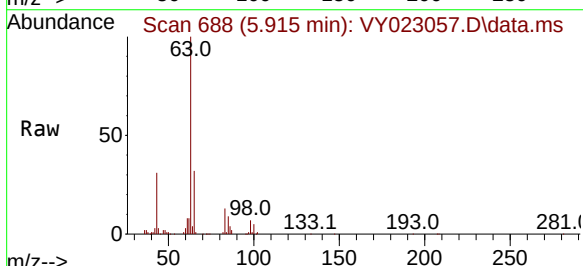
Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY081225

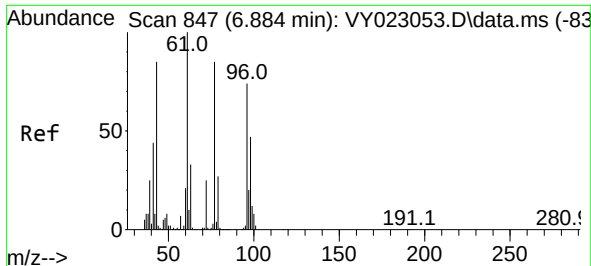
Tgt Ion: 43 Resp: 2182924
 Ion Ratio Lower Upper
 43 100
 86 11.9 9.6 14.4



#24
 1,1-Dichloroethane
 Concen: 48.551 ug/l
 RT: 5.915 min Scan# 688
 Delta R.T. 0.006 min
 Lab File: VY023057.D
 Acq: 12 Aug 2025 17:53

Tgt Ion: 63 Resp: 483509
 Ion Ratio Lower Upper
 63 100
 98 6.9 3.5 10.6
 100 4.7 2.4 7.1





#25

2-Butanone

Concen: 230.028 ug/l

RT: 6.890 min Scan# 84

Delta R.T. 0.006 min

Lab File: VY023057.D

Acq: 12 Aug 2025 17:53

Instrument :

MSVOA_Y

ClientSampleId :

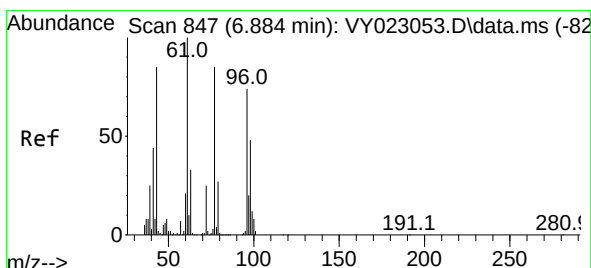
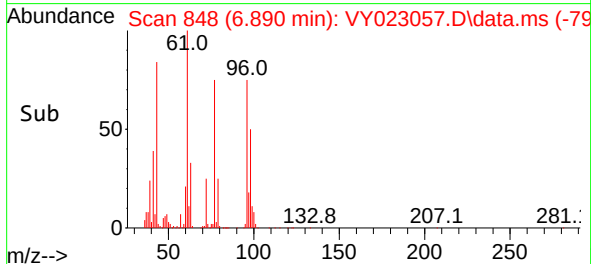
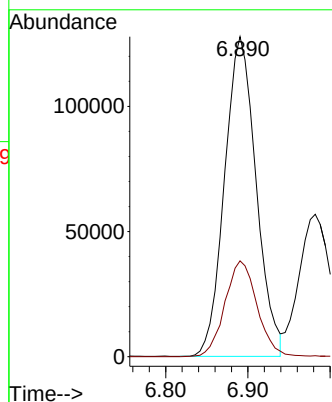
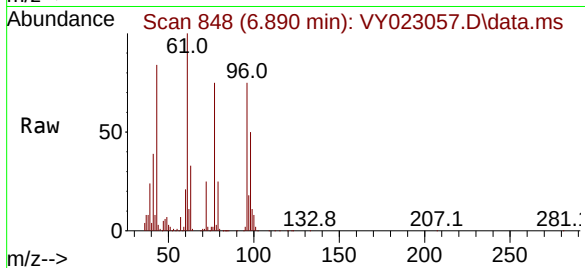
ICVY081225

Tgt Ion: 43 Resp: 341490

Ion Ratio Lower Upper

43 100

72 30.0 23.5 35.3



#26

2,2-Dichloropropane

Concen: 45.475 ug/l

RT: 6.884 min Scan# 847

Delta R.T. 0.000 min

Lab File: VY023057.D

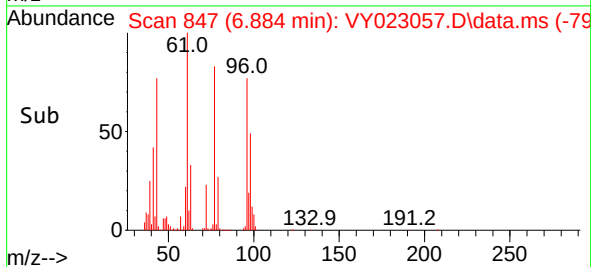
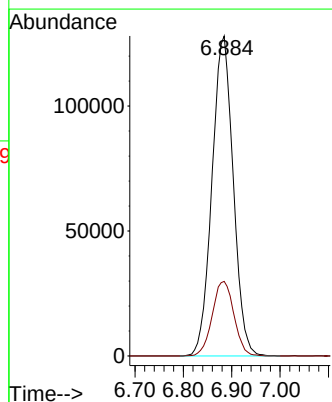
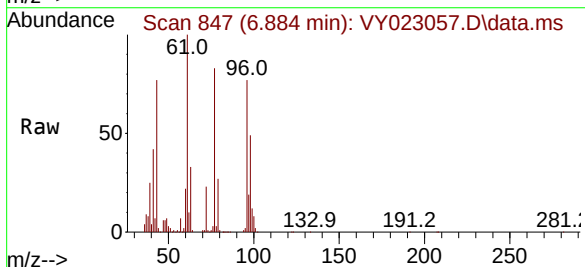
Acq: 12 Aug 2025 17:53

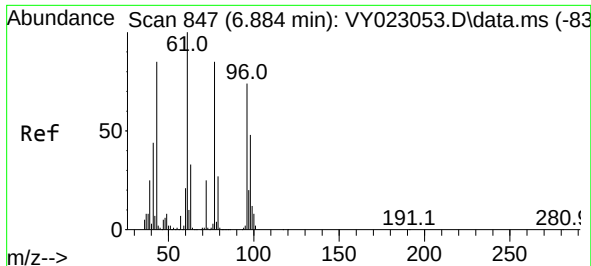
Tgt Ion: 77 Resp: 390777

Ion Ratio Lower Upper

77 100

97 23.8 11.6 34.8

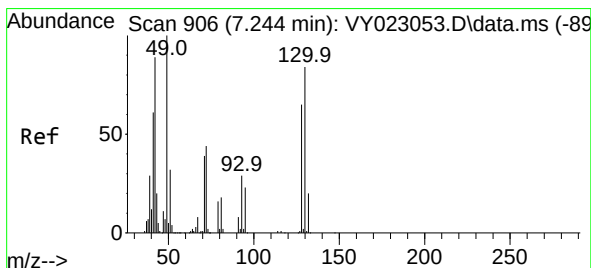
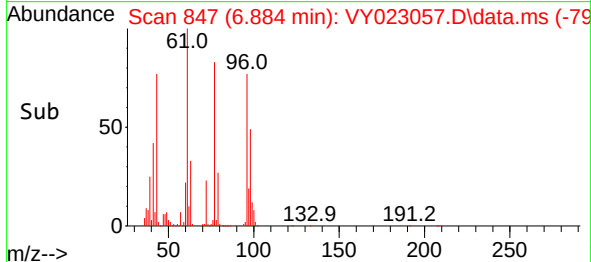
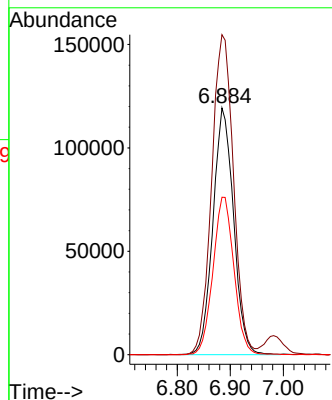
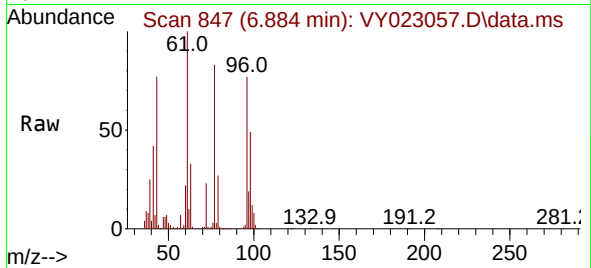




#27
 cis-1,2-Dichloroethene
 Concen: 48.720 ug/l
 RT: 6.884 min Scan# 847
 Delta R.T. 0.000 min
 Lab File: VY023057.D
 Acq: 12 Aug 2025 17:53

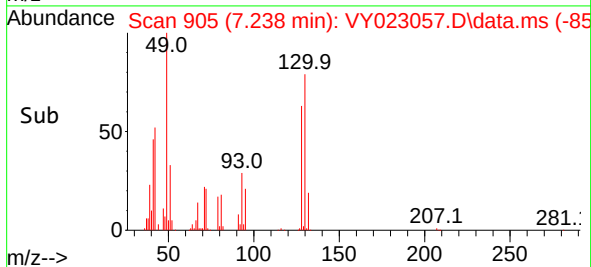
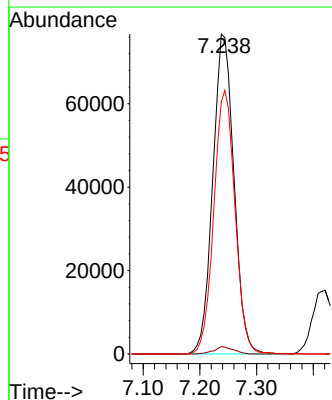
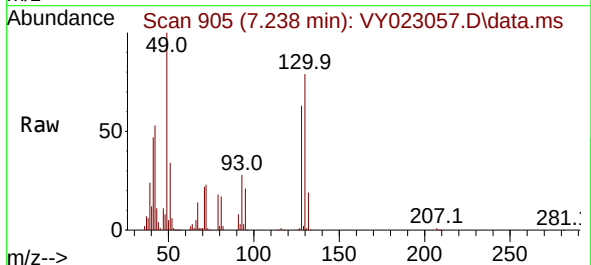
Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY081225

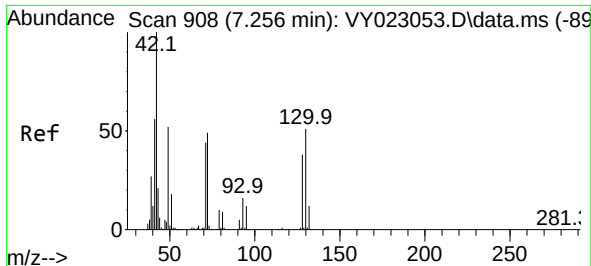
Tgt Ion: 96 Resp: 322451
 Ion Ratio Lower Upper
 96 100
 61 136.9 0.0 278.6
 98 65.0 0.0 130.4



#28
 Bromochloromethane
 Concen: 50.275 ug/l
 RT: 7.238 min Scan# 905
 Delta R.T. -0.006 min
 Lab File: VY023057.D
 Acq: 12 Aug 2025 17:53

Tgt Ion: 49 Resp: 198640
 Ion Ratio Lower Upper
 49 100
 129 2.1 0.0 4.2
 130 82.6 66.4 99.6

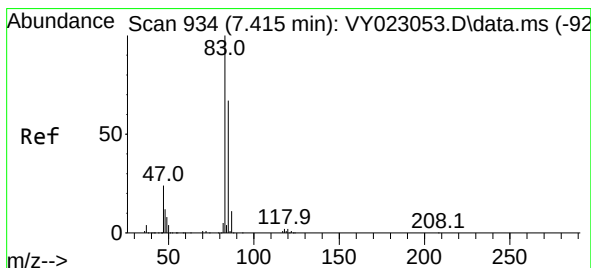
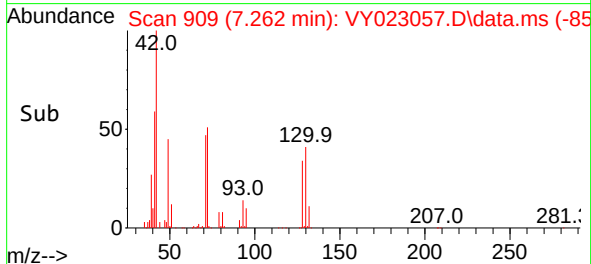
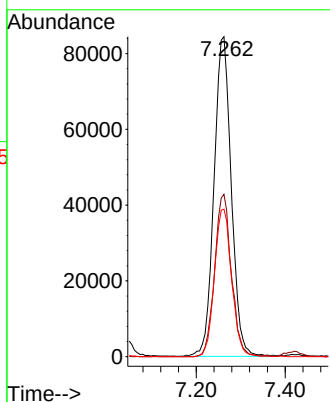
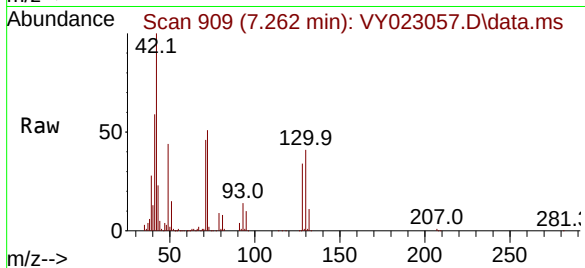




#29
Tetrahydrofuran
Concen: 247.420 ug/l
RT: 7.262 min Scan# 909
Delta R.T. 0.006 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

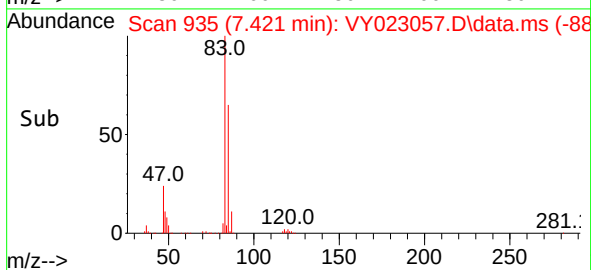
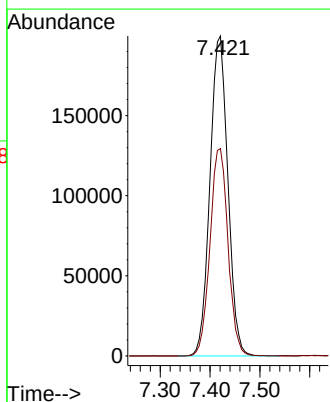
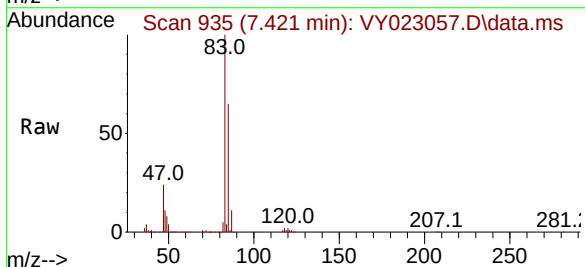
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY081225

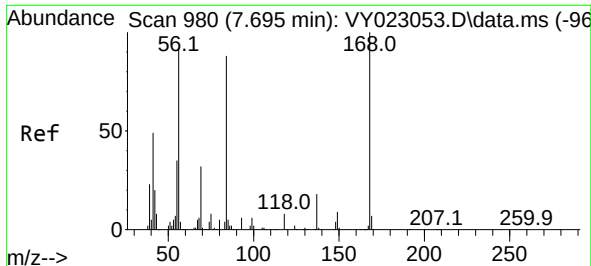
Tgt Ion: 42 Resp: 227680
Ion Ratio Lower Upper
42 100
72 49.3 39.4 59.2
71 45.7 36.5 54.7



#30
Chloroform
Concen: 48.450 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.006 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion: 83 Resp: 497627
Ion Ratio Lower Upper
83 100
85 64.8 53.8 80.8

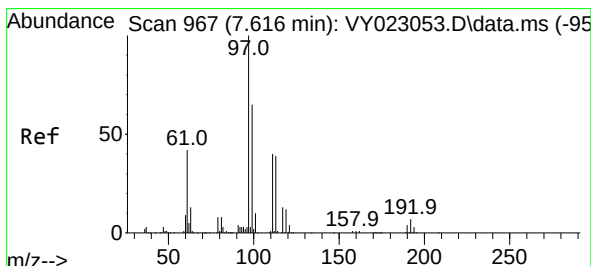
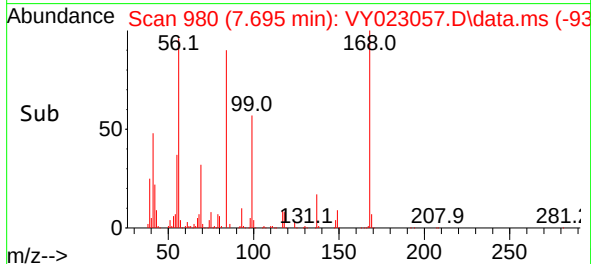
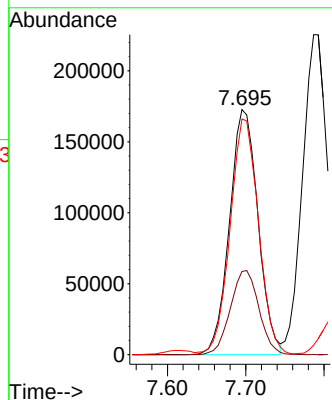
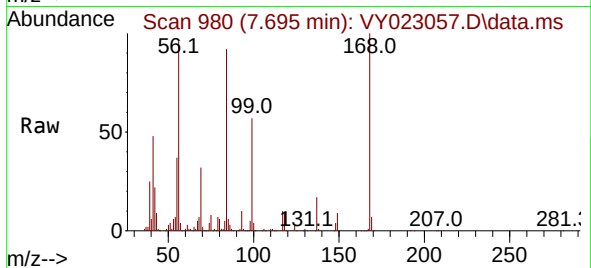




#31
Cyclohexane
Concen: 46.526 ug/l
RT: 7.695 min Scan# 980
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

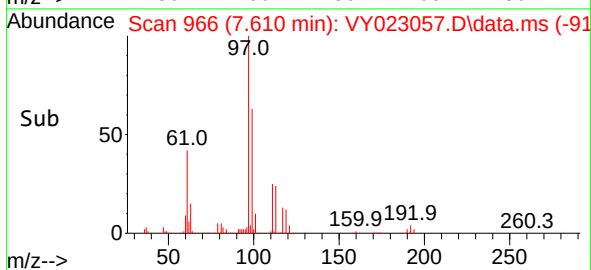
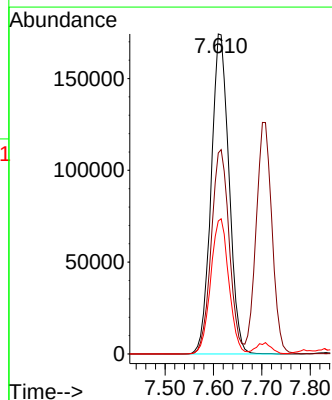
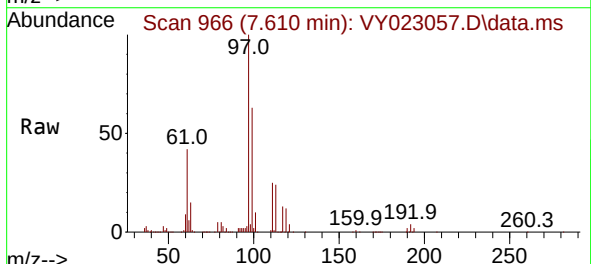
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY081225

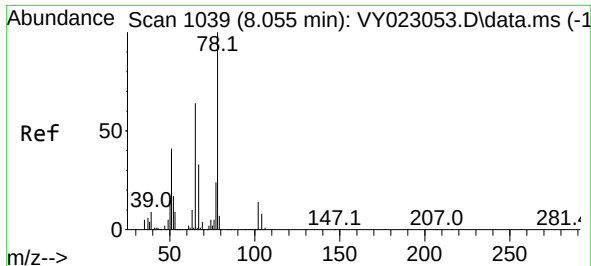
Tgt Ion: 56 Resp: 436638
Ion Ratio Lower Upper
56 100
69 33.9 28.2 42.2
84 94.5 76.6 114.8



#32
1,1,1-Trichloroethane
Concen: 48.933 ug/l
RT: 7.610 min Scan# 966
Delta R.T. -0.006 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion: 97 Resp: 445943
Ion Ratio Lower Upper
97 100
99 64.6 51.6 77.4
61 43.0 34.2 51.2





#33

1,2-Dichloroethane-d4

Concen: 50.038 ug/l

RT: 8.055 min Scan# 1103

Delta R.T. 0.000 min

Lab File: VY023057.D

Acq: 12 Aug 2025 17:53

Instrument :

MSVOA_Y

ClientSampleId :

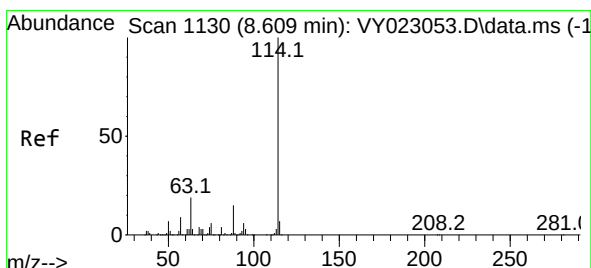
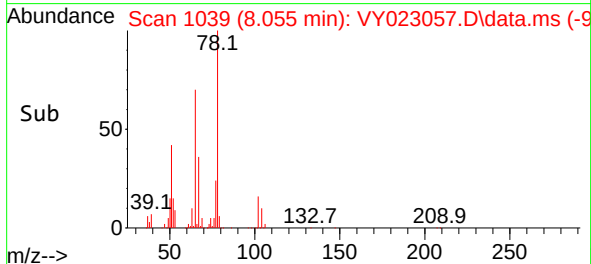
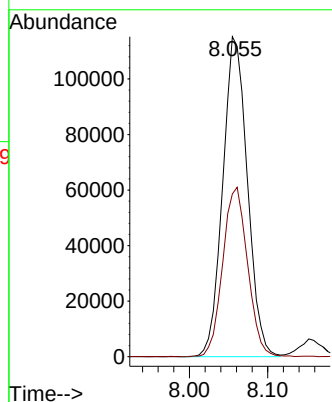
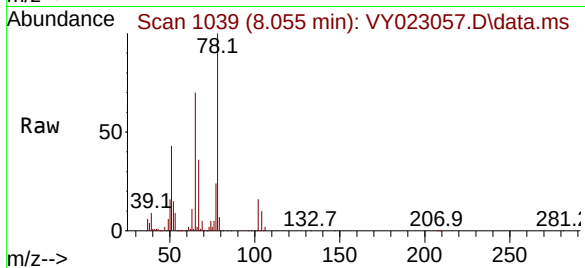
ICVY081225

Tgt Ion: 65 Resp: 252116

Ion Ratio Lower Upper

65 100

67 53.4 0.0 106.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.610 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VY023057.D

Acq: 12 Aug 2025 17:53

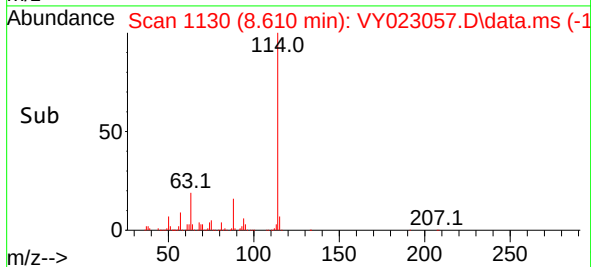
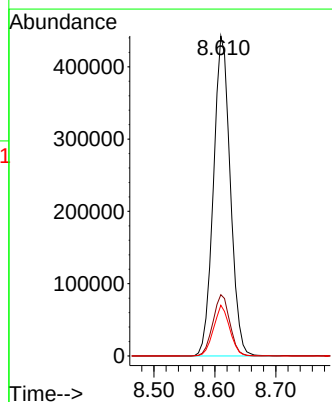
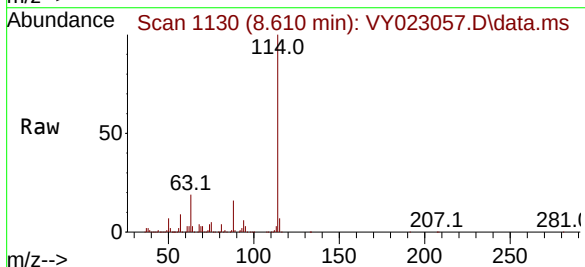
Tgt Ion: 114 Resp: 849851

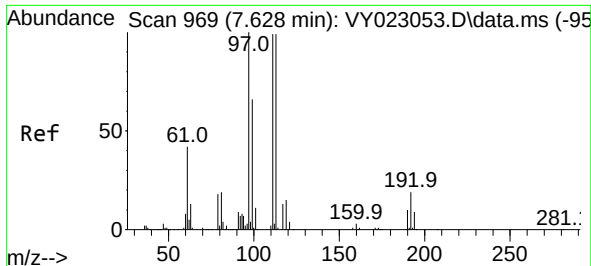
Ion Ratio Lower Upper

114 100

63 19.2 0.0 38.4

88 15.9 0.0 30.0

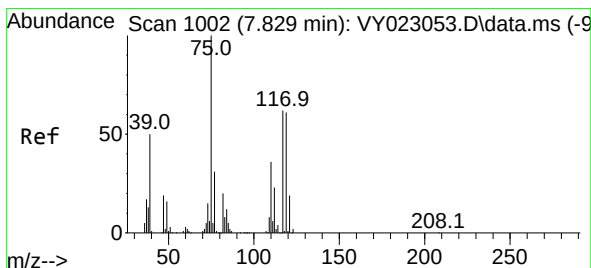
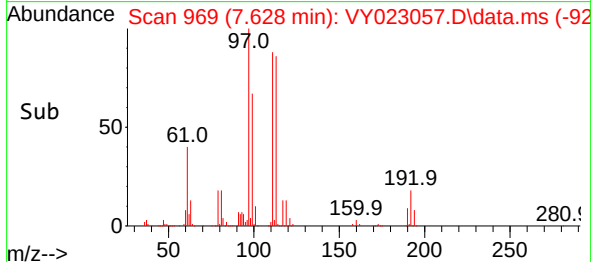
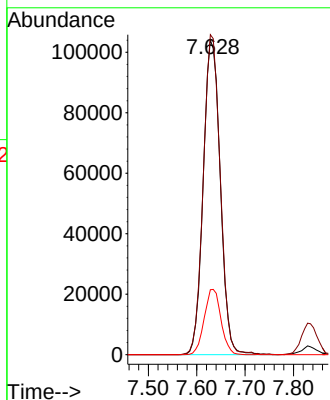
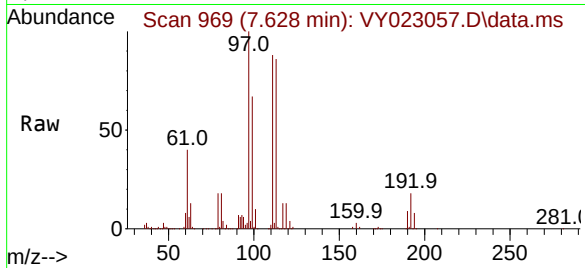




#35
Dibromofluoromethane
Concen: 50.179 ug/l
RT: 7.628 min Scan# 969
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

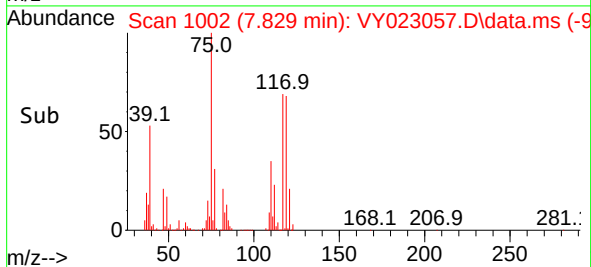
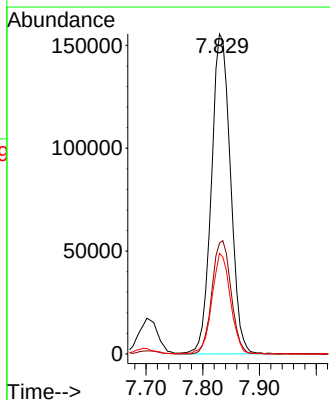
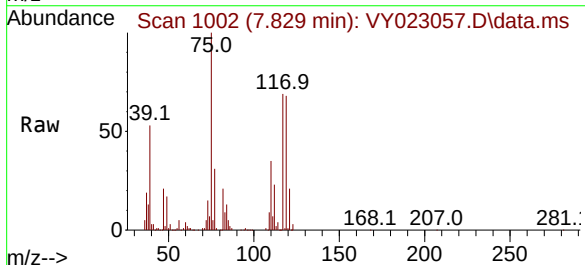
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY081225

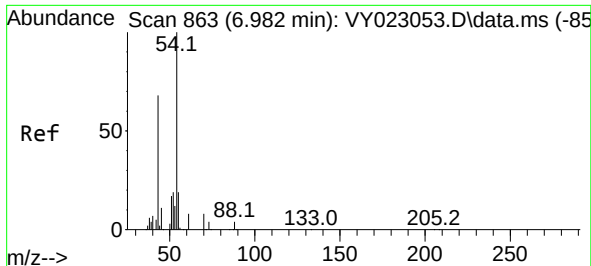
Tgt Ion:113 Resp: 255171
Ion Ratio Lower Upper
113 100
111 101.3 81.1 121.7
192 20.4 16.2 24.4



#36
1,1-Dichloropropene
Concen: 48.193 ug/l
RT: 7.829 min Scan# 1002
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion: 75 Resp: 364210
Ion Ratio Lower Upper
75 100
110 35.4 18.1 54.4
77 30.6 24.6 37.0

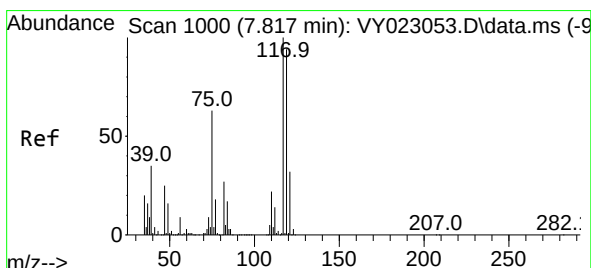
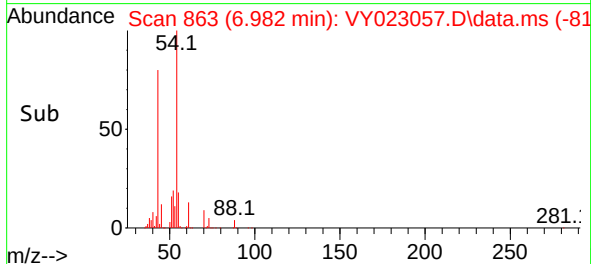
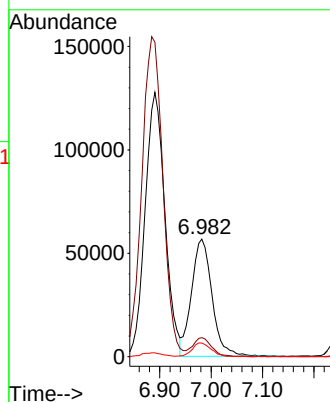
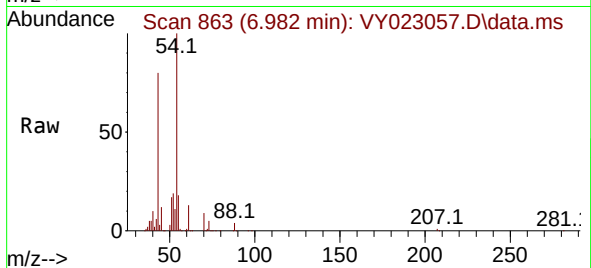




#37
Ethyl Acetate
Concen: 49.621 ug/l
RT: 6.982 min Scan# 863
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

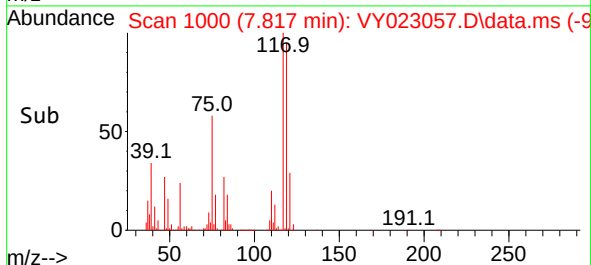
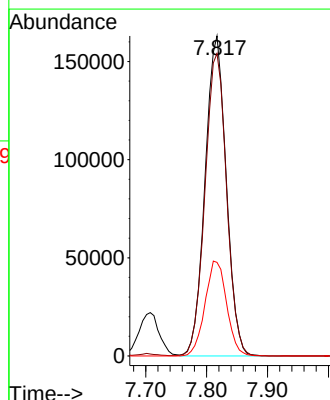
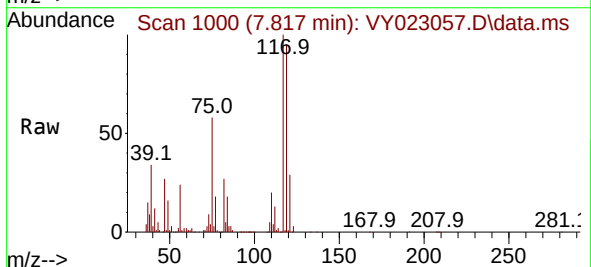
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY081225

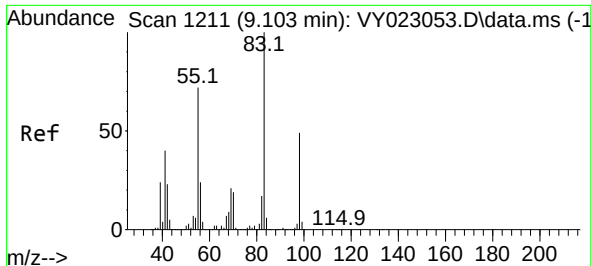
Tgt Ion: 43 Resp: 157530
Ion Ratio Lower Upper
43 100
61 14.4 11.9 17.9
70 10.7 8.8 13.2



#38
Carbon Tetrachloride
Concen: 48.030 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion: 117 Resp: 394245
Ion Ratio Lower Upper
117 100
119 94.5 75.6 113.4
121 29.2 25.8 38.8

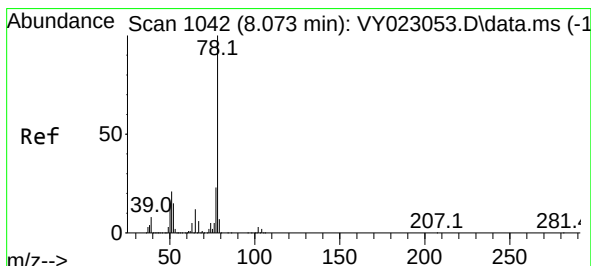
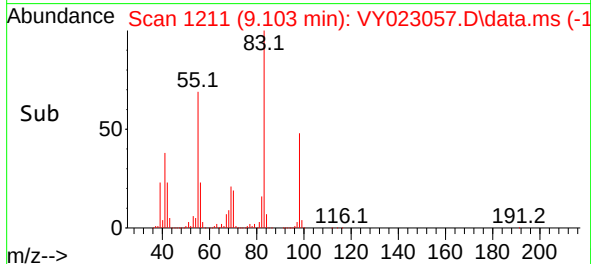
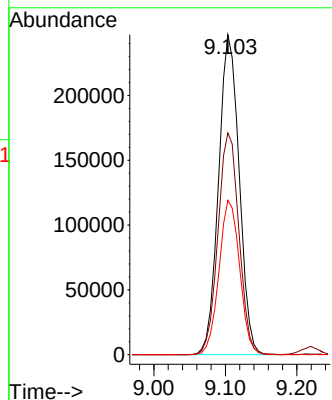
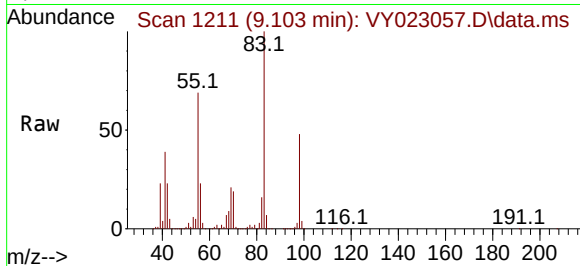




#39
Methylcyclohexane
Concen: 49.625 ug/l
RT: 9.103 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

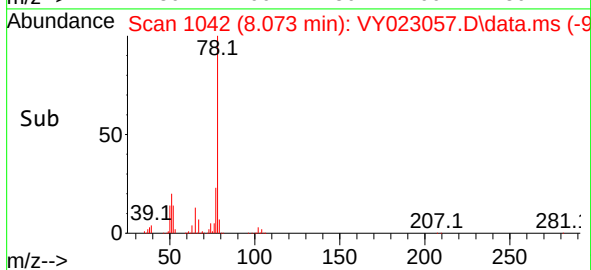
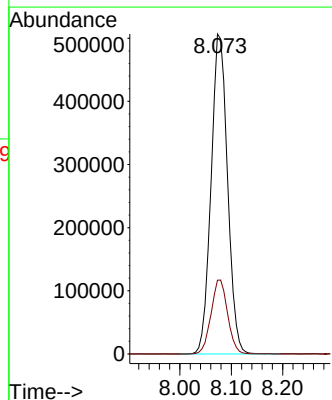
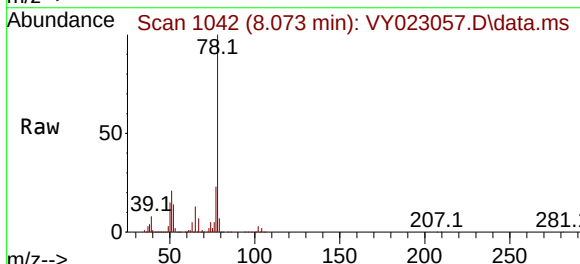
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY081225

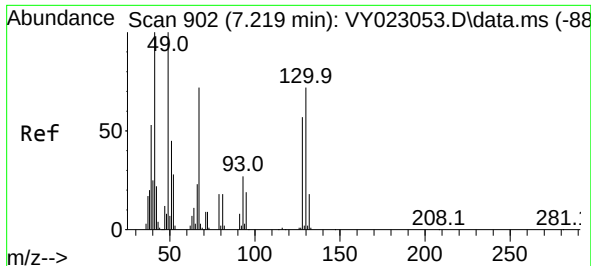
Tgt Ion: 83 Resp: 493867
Ion Ratio Lower Upper
83 100
55 69.3 57.6 86.4
98 48.2 39.2 58.8



#40
Benzene
Concen: 48.428 ug/l
RT: 8.073 min Scan# 1042
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion: 78 Resp: 1128023
Ion Ratio Lower Upper
78 100
77 23.1 18.6 28.0

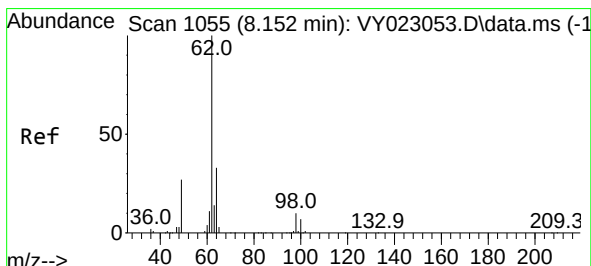
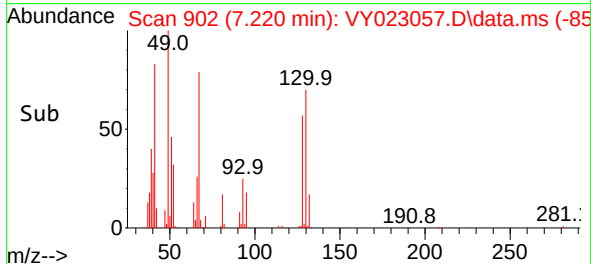
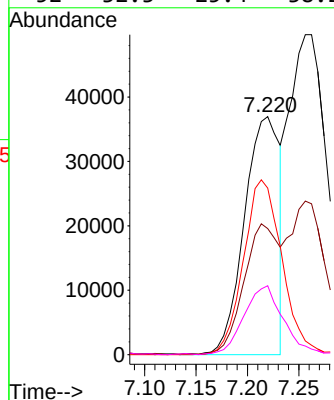
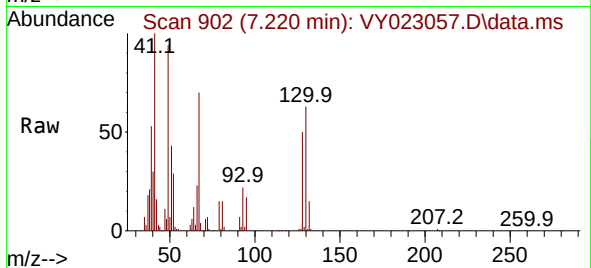




#41
Methacrylonitrile
Concen: 48.269 ug/l
RT: 7.220 min Scan# 902
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

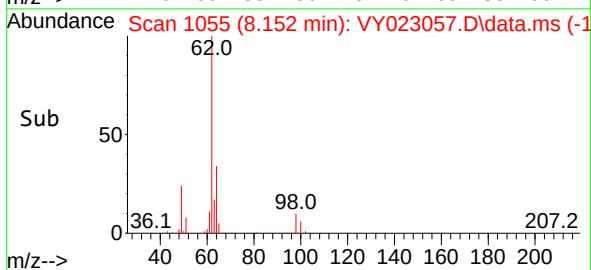
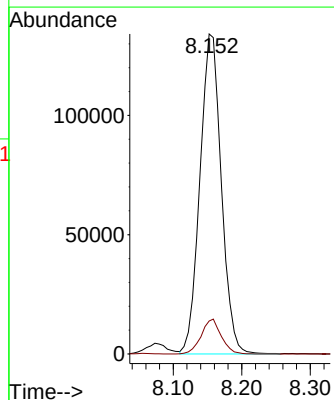
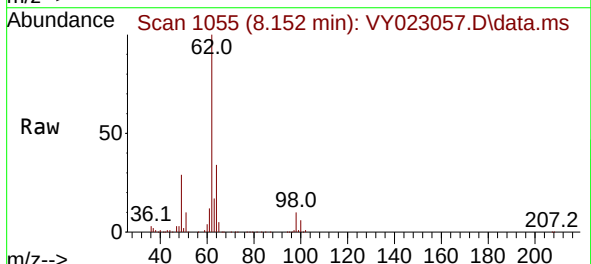
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY081225

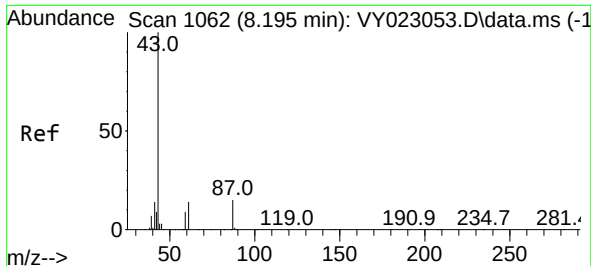
Tgt Ion:	41	Resp:	88437
Ion	Ratio	Lower	Upper
41	100		
39	53.9	43.4	65.2
67	80.6	63.6	95.4
52	32.3	25.4	38.2



#42
1,2-Dichloroethane
Concen: 48.162 ug/l
RT: 8.152 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion:	62	Resp:	291766
Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	20.6

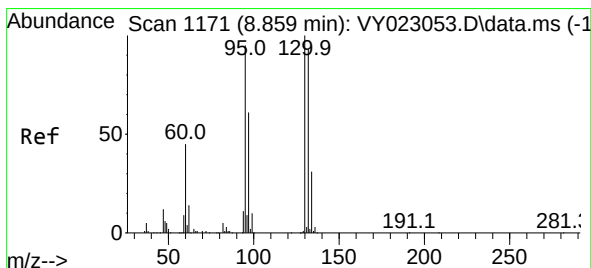
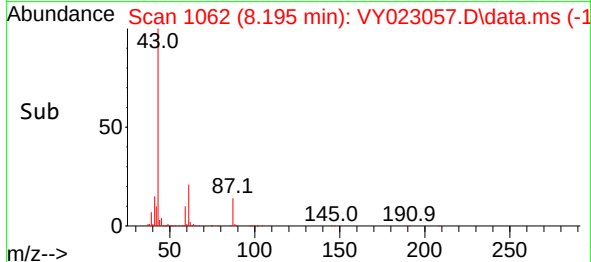
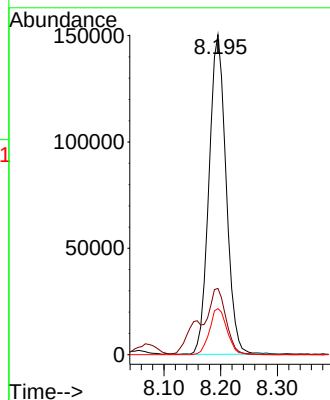
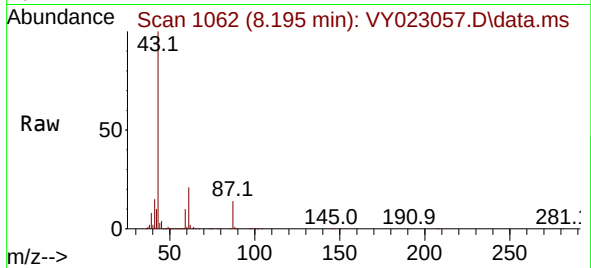




#43
Isopropyl Acetate
Concen: 49.094 ug/l
RT: 8.195 min Scan# 1106
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

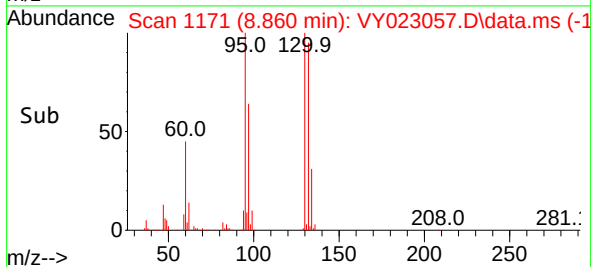
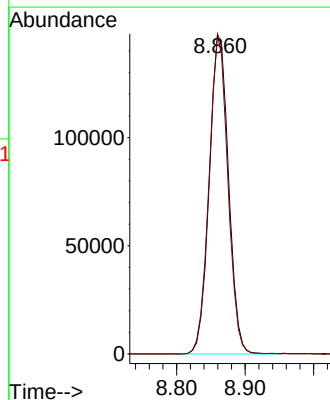
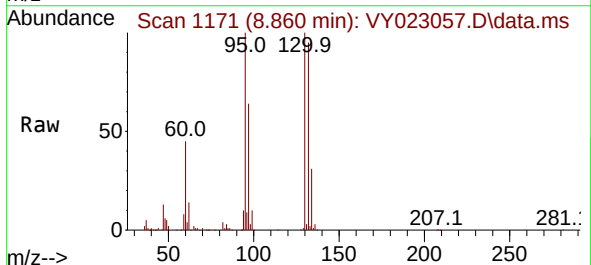
Instrument :
MSVOA_Y
ClientSampleId :
ICVY081225

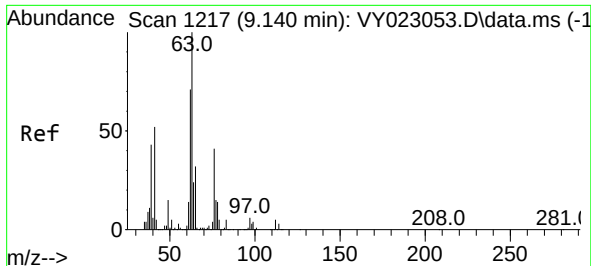
Tgt Ion: 43 Resp: 315013
Ion Ratio Lower Upper
43 100
61 22.0 16.4 24.6
87 14.7 11.8 17.6



#44
Trichloroethene
Concen: 47.803 ug/l
RT: 8.860 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion:130 Resp: 287745
Ion Ratio Lower Upper
130 100
95 99.7 0.0 190.2





#45

1,2-Dichloropropane

Concen: 48.961 ug/l

RT: 9.140 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY023057.D

Acq: 12 Aug 2025 17:53

Instrument :

MSVOA_Y

ClientSampleId :

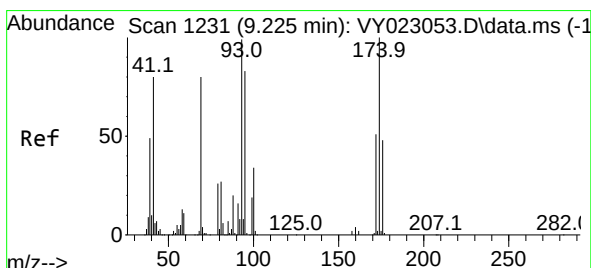
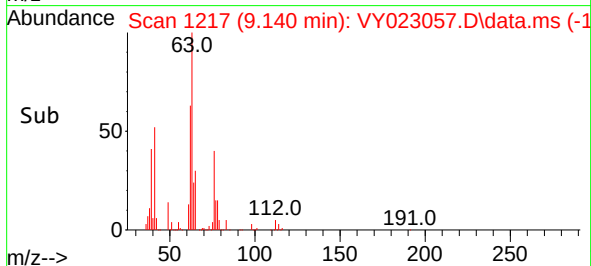
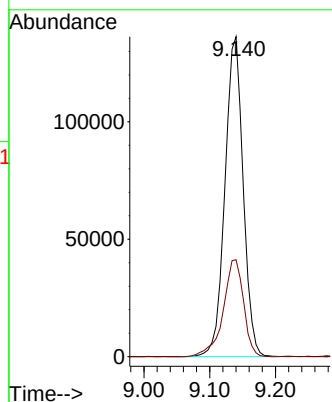
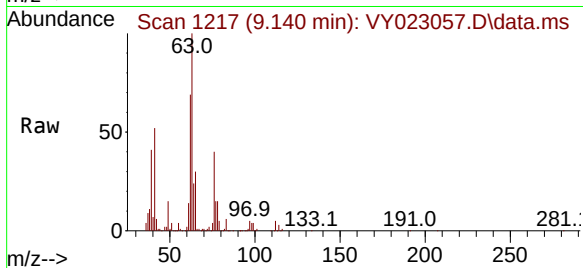
ICVY081225

Tgt Ion: 63 Resp: 262408

Ion Ratio Lower Upper

63 100

65 30.3 25.3 37.9



#46

Dibromomethane

Concen: 48.679 ug/l

RT: 9.225 min Scan# 1231

Delta R.T. 0.000 min

Lab File: VY023057.D

Acq: 12 Aug 2025 17:53

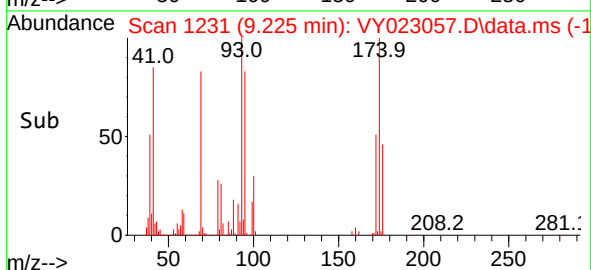
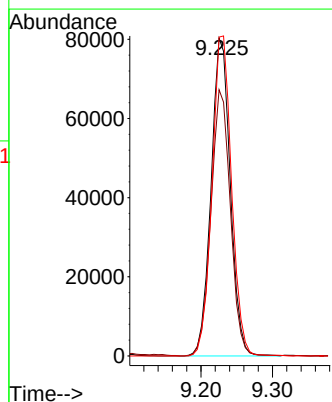
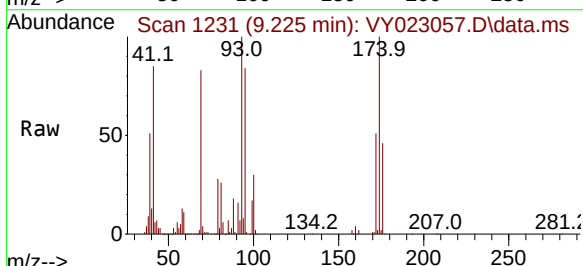
Tgt Ion: 93 Resp: 149745

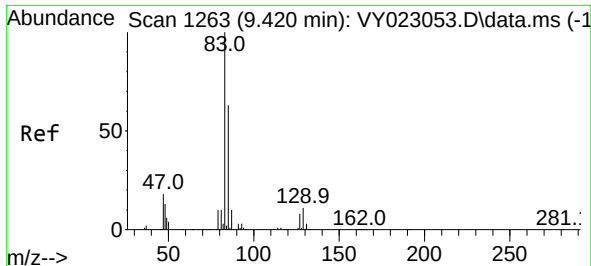
Ion Ratio Lower Upper

93 100

95 84.9 66.5 99.7

174 102.5 81.8 122.8

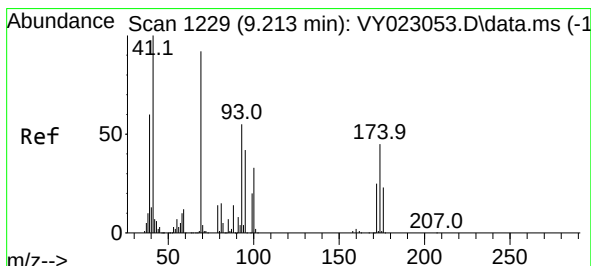
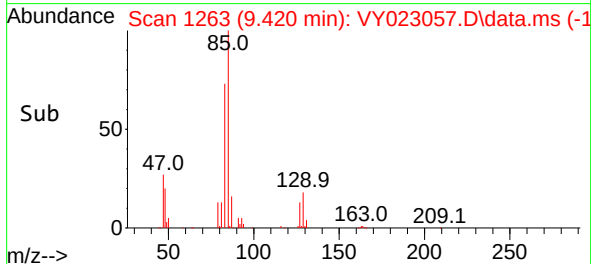
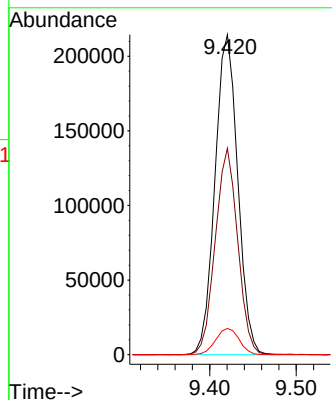
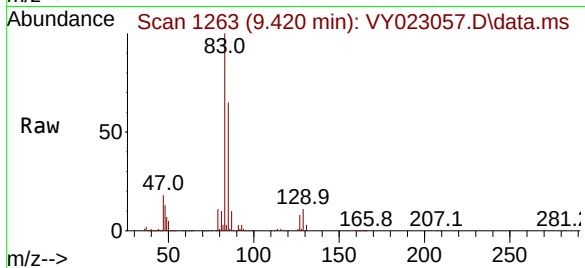




#47
Bromodichloromethane
Concen: 49.463 ug/l
RT: 9.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

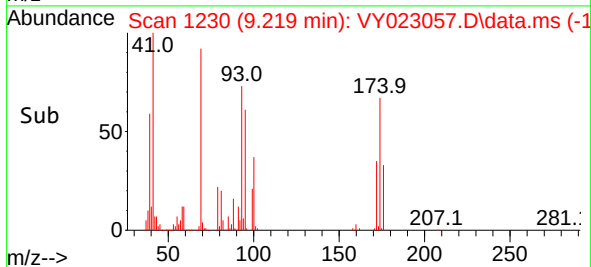
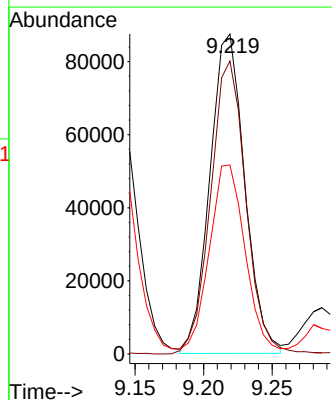
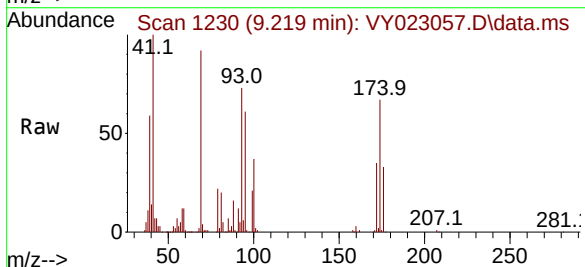
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY081225

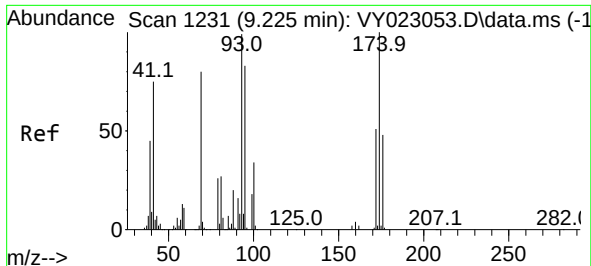
Tgt Ion: 83 Resp: 391522
Ion Ratio Lower Upper
83 100
85 64.5 50.2 75.4
127 8.2 6.6 10.0



#48
Methyl methacrylate
Concen: 50.520 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.006 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion: 41 Resp: 155118
Ion Ratio Lower Upper
41 100
69 92.7 73.2 109.8
39 57.8 47.0 70.4





#49

1,4-Dioxane

Concen: 971.749 ug/l

RT: 9.225 min Scan# 1231

Delta R.T. 0.000 min

Lab File: VY023057.D

Acq: 12 Aug 2025 17:53

Instrument :

MSVOA_Y

ClientSampleId :

ICVY081225

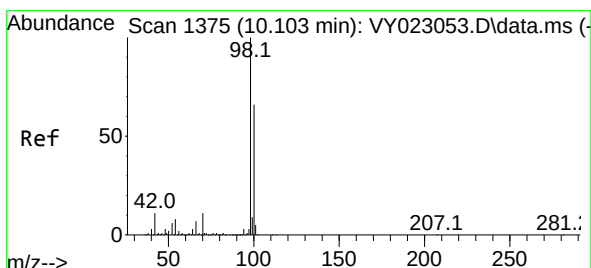
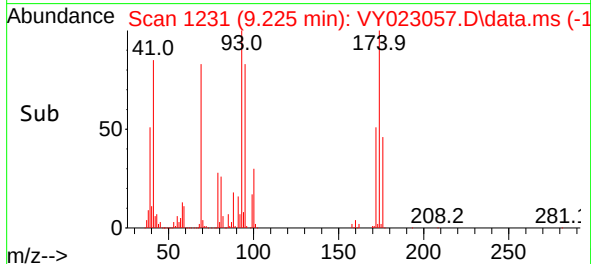
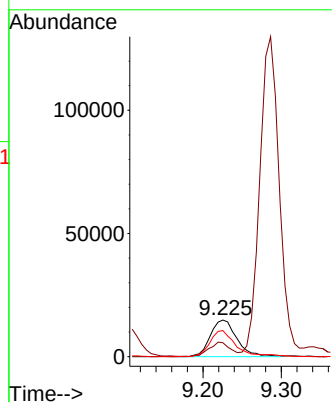
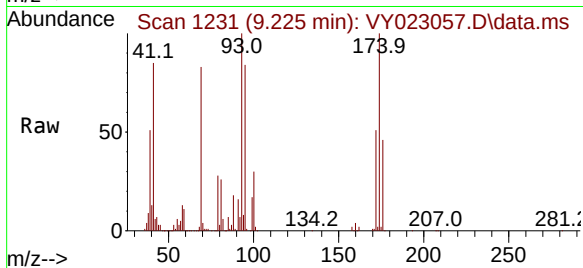
Tgt Ion: 88 Resp: 35050

Ion Ratio Lower Upper

88 100

43 30.2 24.3 36.5

58 70.9 55.4 83.0



#50

Toluene-d8

Concen: 49.306 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. 0.000 min

Lab File: VY023057.D

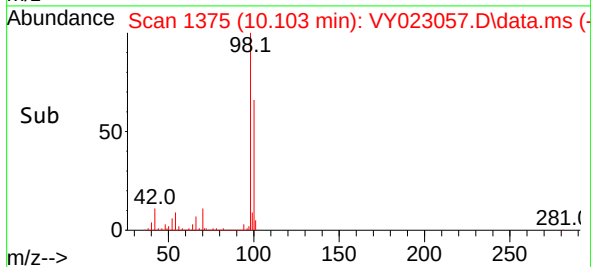
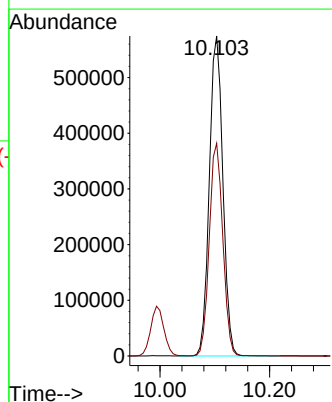
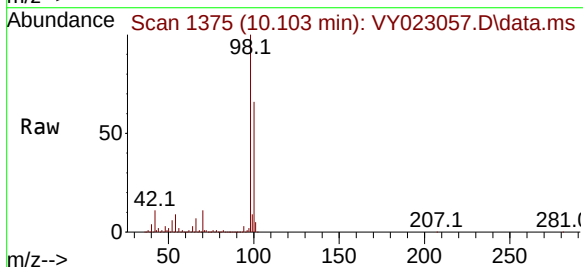
Acq: 12 Aug 2025 17:53

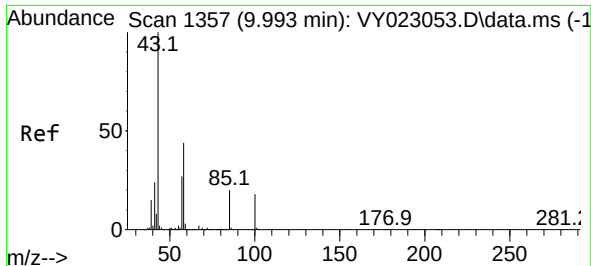
Tgt Ion: 98 Resp: 979510

Ion Ratio Lower Upper

98 100

100 66.4 52.3 78.5

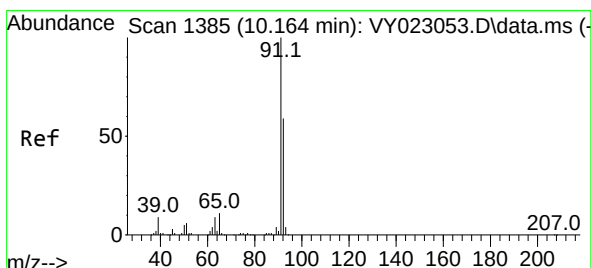
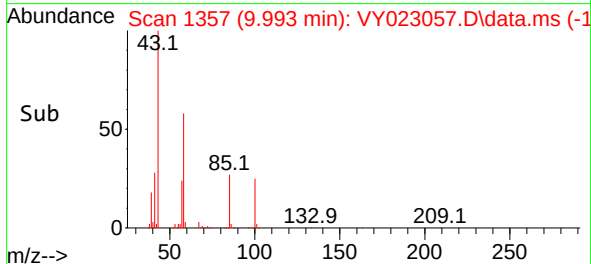
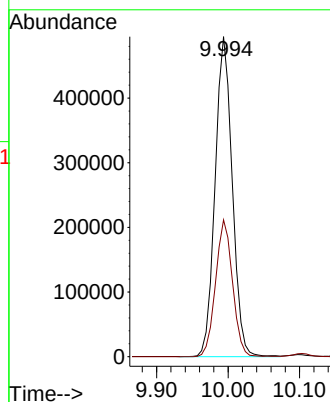
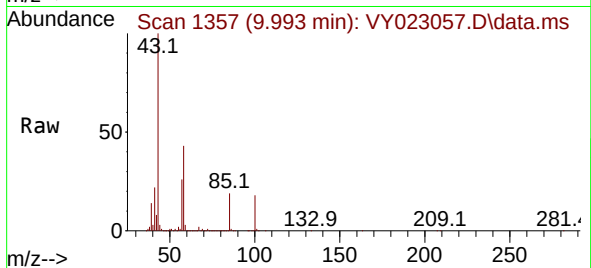




#51
4-Methyl-2-Pentanone
Concen: 248.943 ug/l
RT: 9.993 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

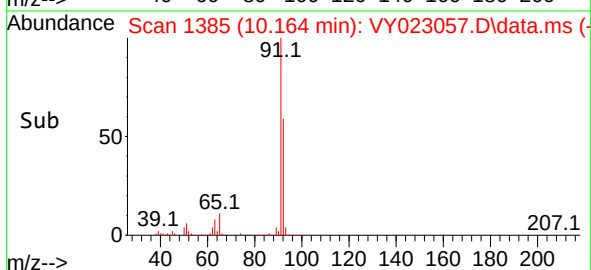
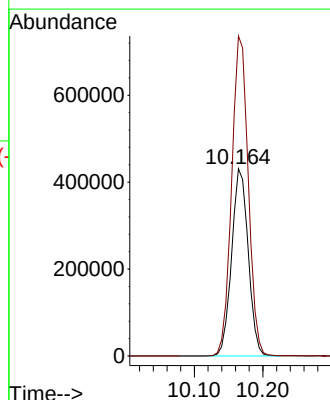
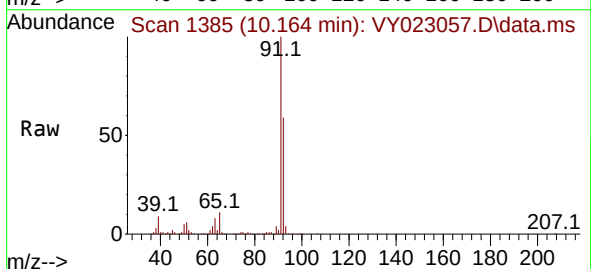
Instrument :
MSVOA_Y
ClientSampleId :
ICVY081225

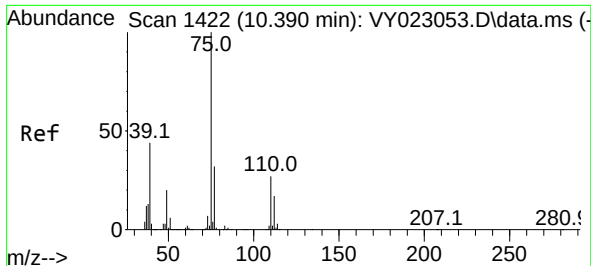
Tgt Ion: 43 Resp: 823949
Ion Ratio Lower Upper
43 100
58 42.3 33.5 50.3



#52
Toluene
Concen: 48.963 ug/l
RT: 10.164 min Scan# 1385
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion: 92 Resp: 724356
Ion Ratio Lower Upper
92 100
91 171.1 136.4 204.6

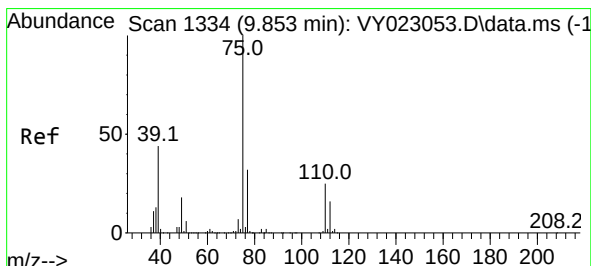
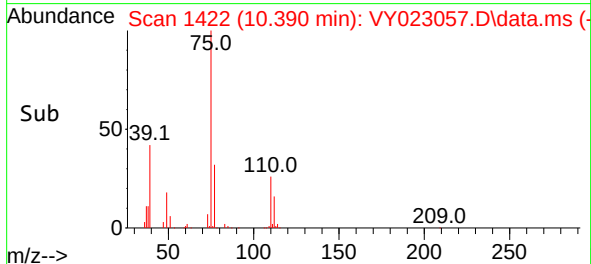
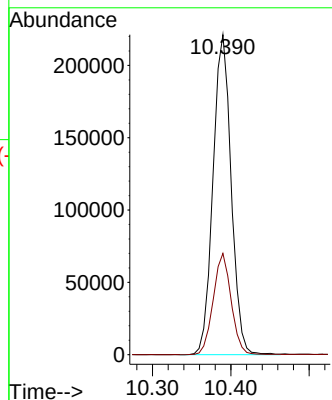
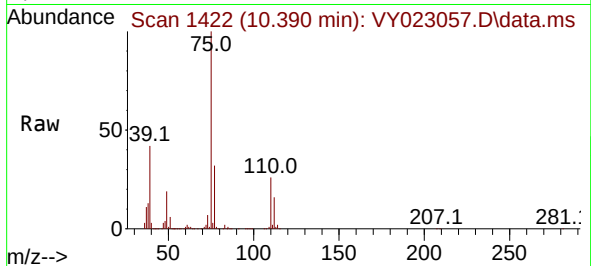




#53
t-1,3-Dichloropropene
Concen: 49.699 ug/l
RT: 10.390 min Scan# 1422
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

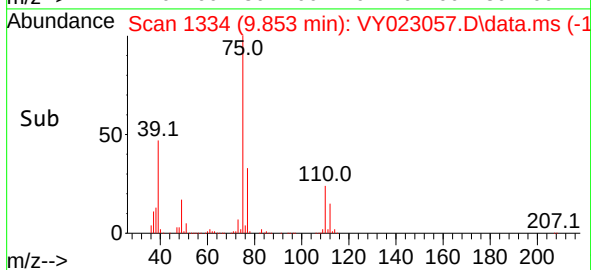
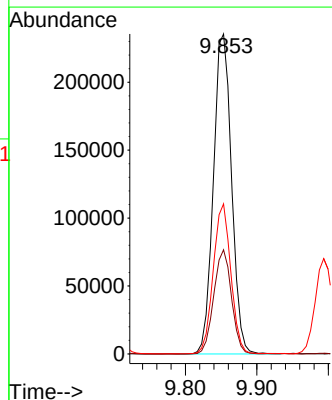
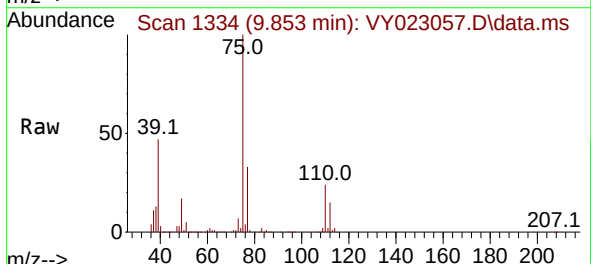
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY081225

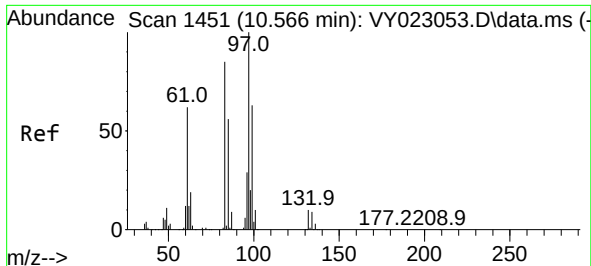
Tgt Ion: 75 Resp: 356228
Ion Ratio Lower Upper
75 100
77 31.6 25.7 38.5



#54
cis-1,3-Dichloropropene
Concen: 48.965 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion: 75 Resp: 415017
Ion Ratio Lower Upper
75 100
77 32.5 25.4 38.0
39 46.8 35.6 53.4



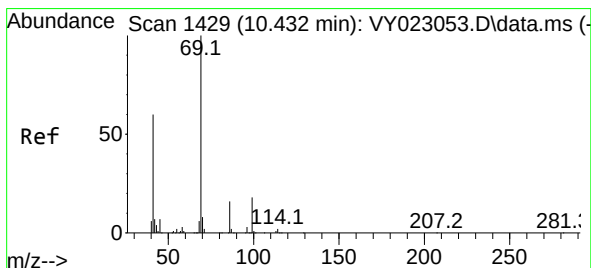
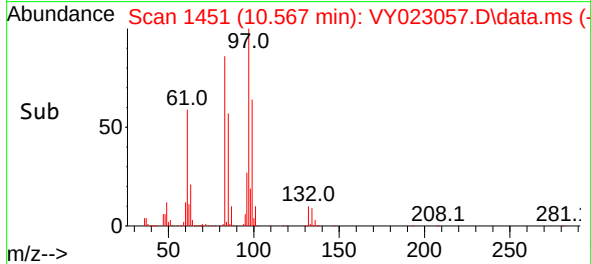
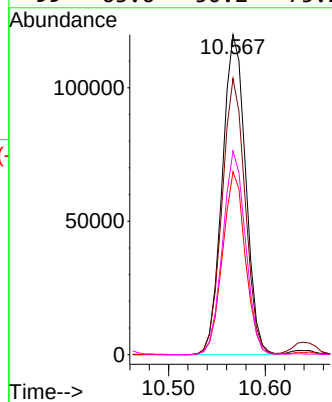
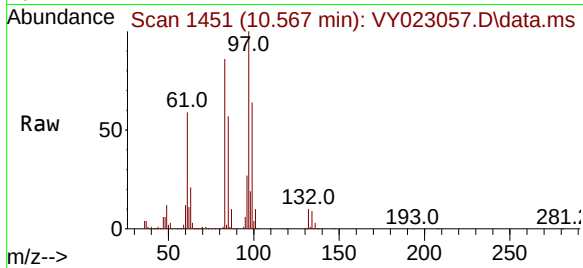


#55
1,1,2-Trichloroethane
Concen: 48.867 ug/l
RT: 10.567 min Scan# 1451
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Instrument : MSVOA_Y
ClientSampleId : ICVVY081225

Tgt Ion: 97 Resp: 201146

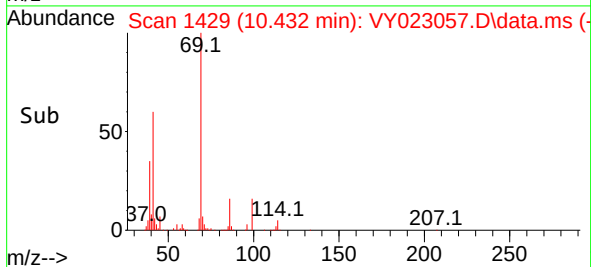
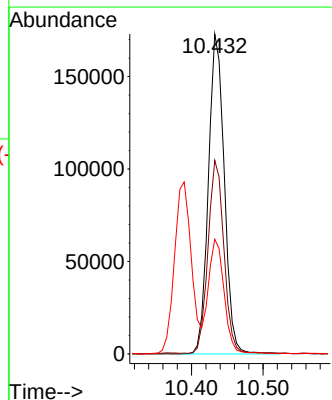
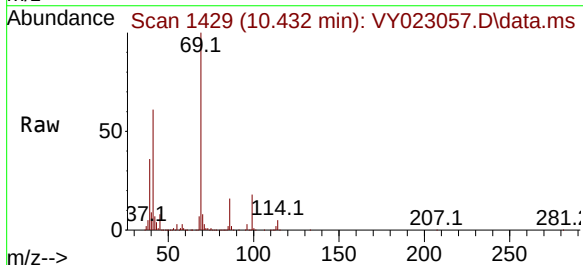
Ion	Ratio	Lower	Upper
97	100		
83	86.2	67.7	101.5
85	57.1	44.5	66.7
99	63.6	50.2	75.2

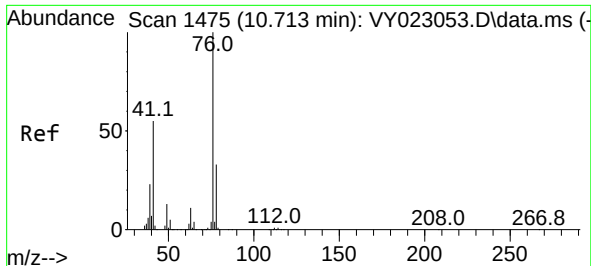


#56
Ethyl methacrylate
Concen: 50.779 ug/l
RT: 10.432 min Scan# 1429
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion: 69 Resp: 267458

Ion	Ratio	Lower	Upper
69	100		
41	60.8	48.6	72.8
39	35.0	27.0	40.4





#57

1,3-Dichloropropane

Concen: 49.228 ug/l

RT: 10.713 min Scan# 1475

Delta R.T. 0.000 min

Lab File: VY023057.D

Acq: 12 Aug 2025 17:53

Instrument :

MSVOA_Y

ClientSampleId :

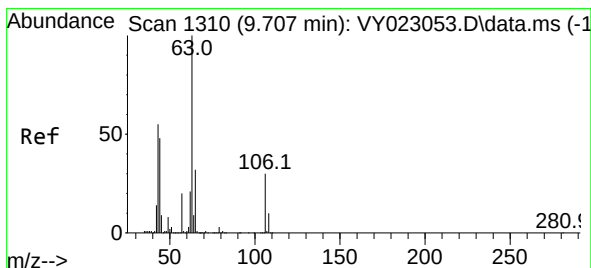
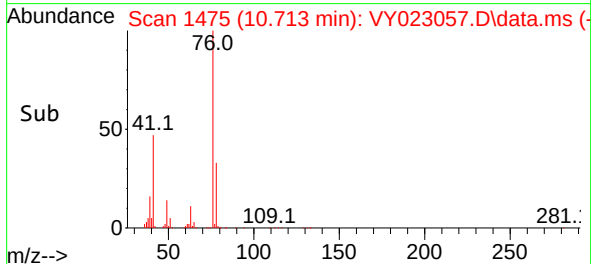
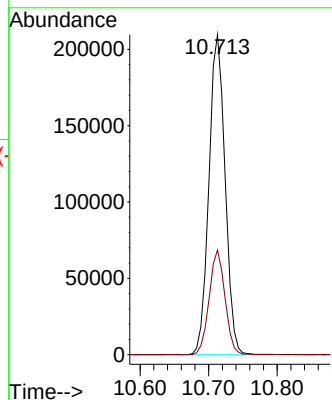
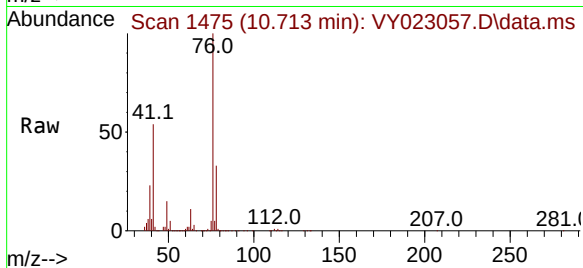
ICVVY081225

Tgt Ion: 76 Resp: 343649

Ion Ratio Lower Upper

76 100

78 32.0 26.0 39.0



#58

2-Chloroethyl Vinyl ether

Concen: 273.240 ug/l

RT: 9.707 min Scan# 1310

Delta R.T. 0.000 min

Lab File: VY023057.D

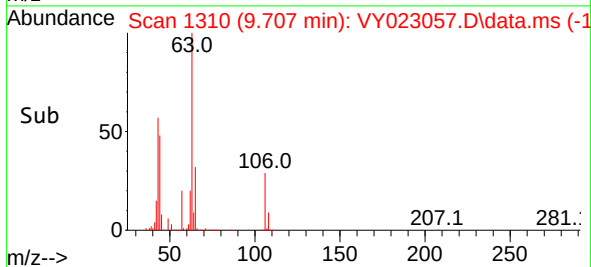
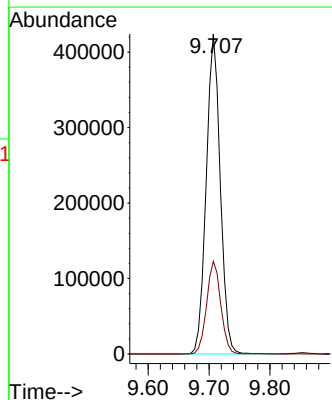
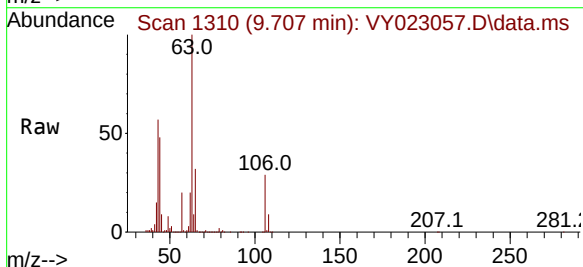
Acq: 12 Aug 2025 17:53

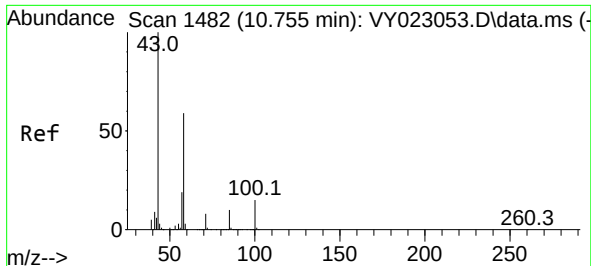
Tgt Ion: 63 Resp: 678865

Ion Ratio Lower Upper

63 100

106 29.1 23.2 34.8





#59

2-Hexanone

Concen: 244.812 ug/l

RT: 10.756 min Scan# 1482

Delta R.T. 0.000 min

Lab File: VY023057.D

Acq: 12 Aug 2025 17:53

Instrument :

MSVOA_Y

ClientSampleId :

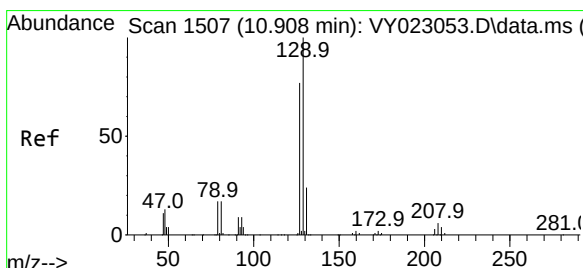
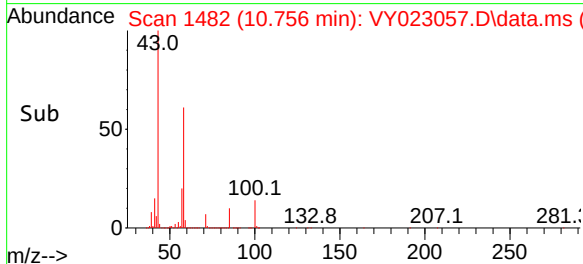
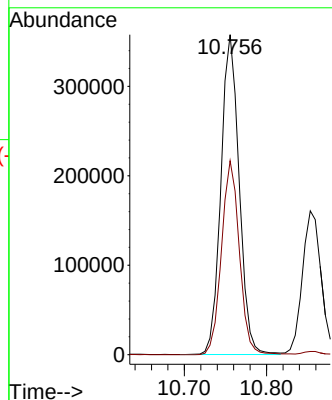
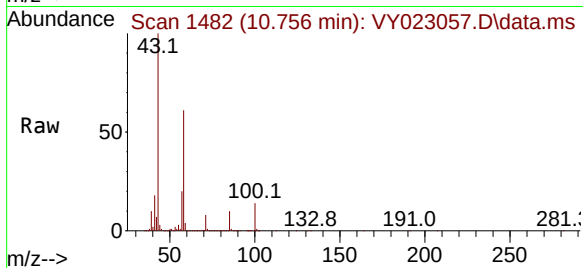
ICVY081225

Tgt Ion: 43 Resp: 551743

Ion Ratio Lower Upper

43 100

58 59.5 29.5 88.5



#60

Dibromochloromethane

Concen: 49.810 ug/l

RT: 10.908 min Scan# 1507

Delta R.T. 0.000 min

Lab File: VY023057.D

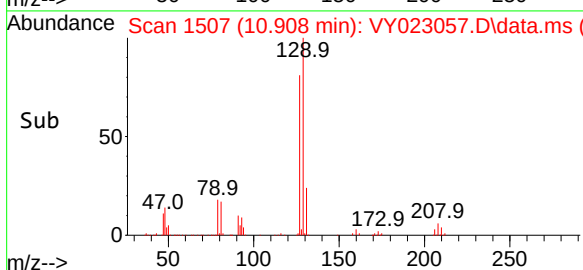
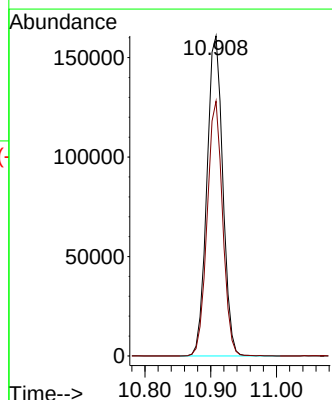
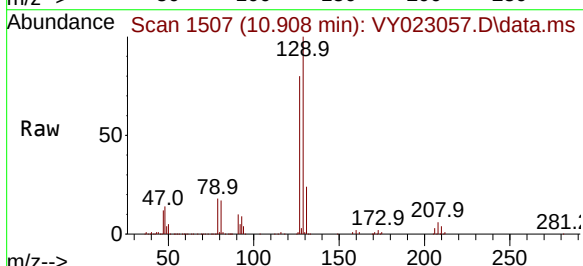
Acq: 12 Aug 2025 17:53

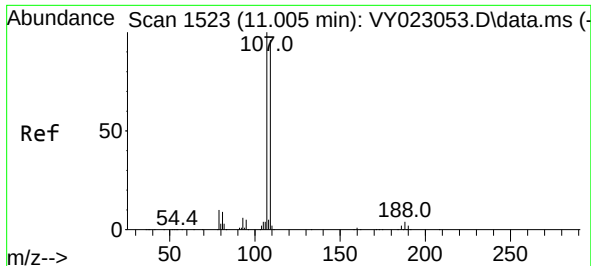
Tgt Ion: 129 Resp: 270536

Ion Ratio Lower Upper

129 100

127 77.5 38.5 115.5

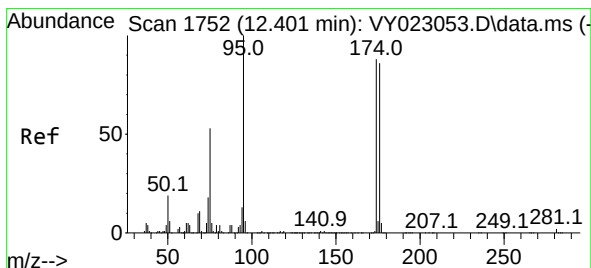
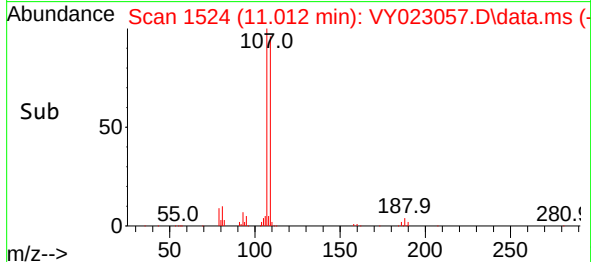
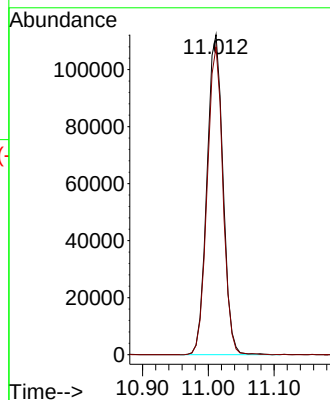
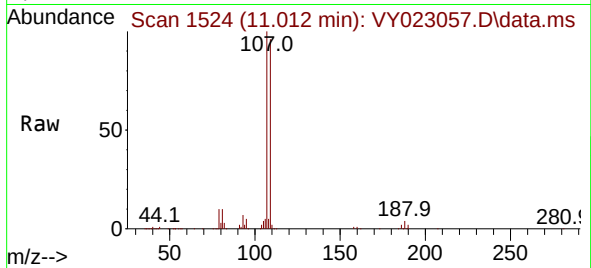




#61
1,2-Dibromoethane
Concen: 49.197 ug/l
RT: 11.012 min Scan# 1524
Delta R.T. 0.006 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

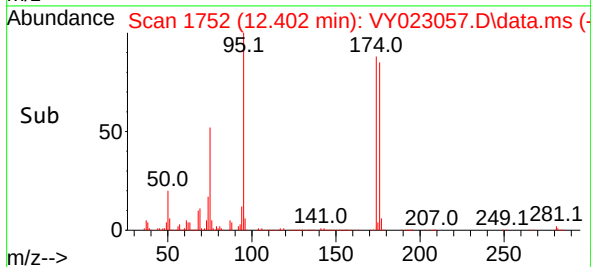
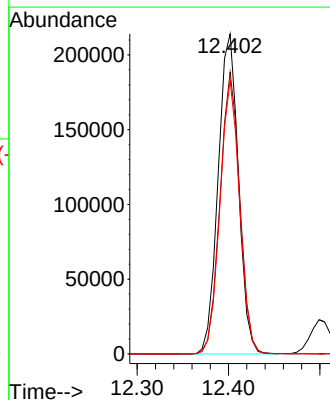
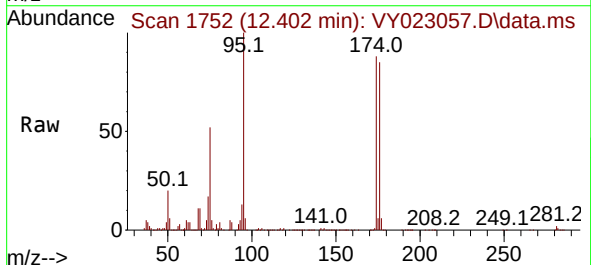
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY081225

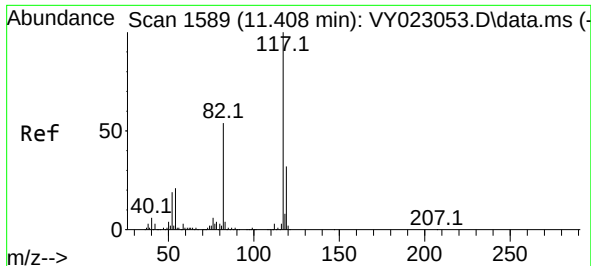
Tgt Ion:107 Resp: 190334
Ion Ratio Lower Upper
107 100
109 94.5 75.6 113.4



#62
4-Bromofluorobenzene
Concen: 51.500 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion: 95 Resp: 329022
Ion Ratio Lower Upper
95 100
174 86.3 0.0 171.6
176 82.9 0.0 167.6

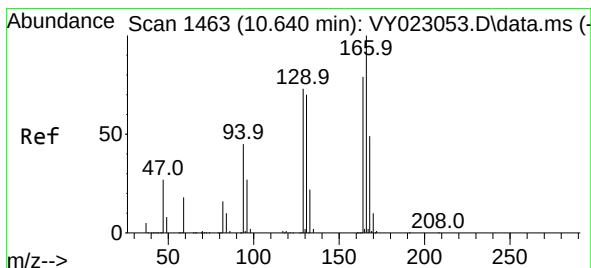
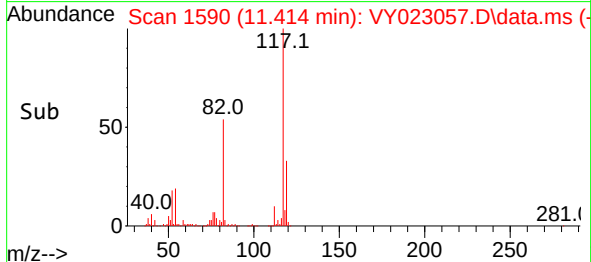
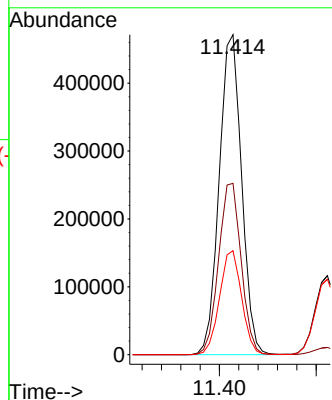
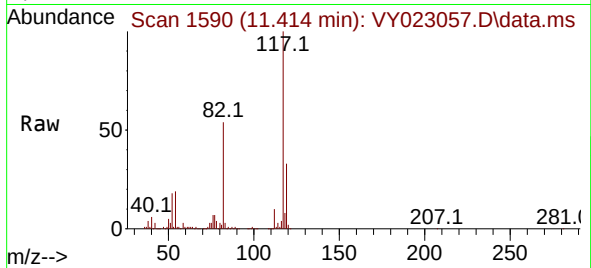




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

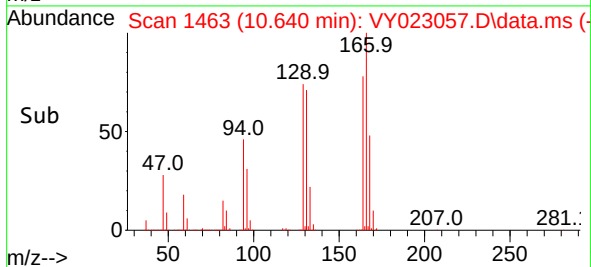
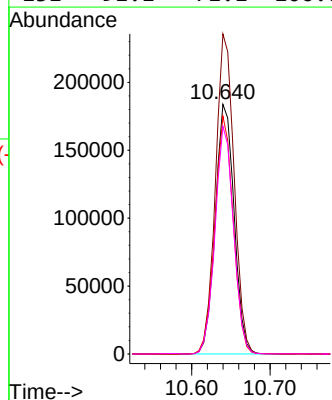
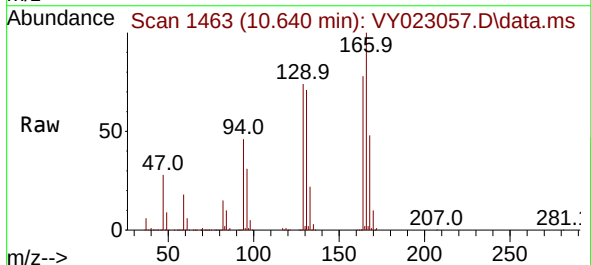
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY081225

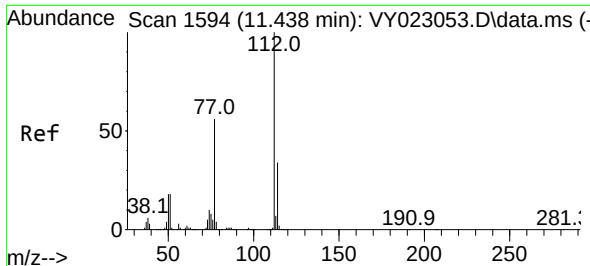
Tgt Ion:117 Resp: 756555
Ion Ratio Lower Upper
117 100
82 53.6 43.4 65.0
119 32.5 25.6 38.4



#64
Tetrachloroethene
Concen: 45.512 ug/l
RT: 10.640 min Scan# 1463
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion:164 Resp: 307456
Ion Ratio Lower Upper
164 100
166 128.2 101.1 151.7
129 95.3 74.0 111.0
131 91.1 71.1 106.7

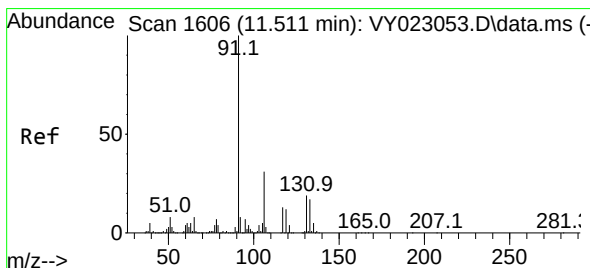
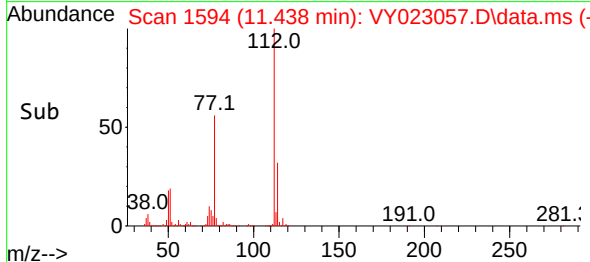
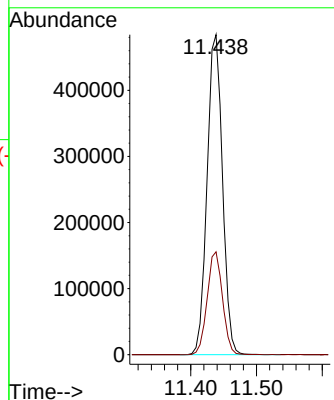
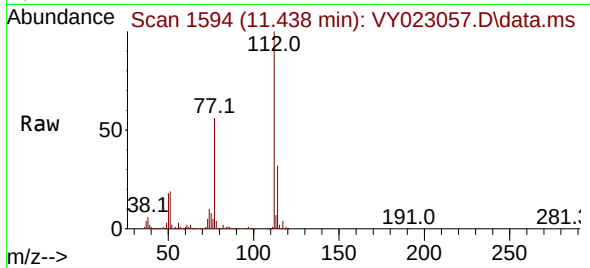




#65
Chlorobenzene
Concen: 48.275 ug/l
RT: 11.438 min Scan# 1594
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

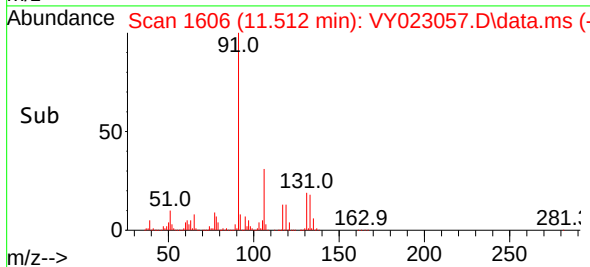
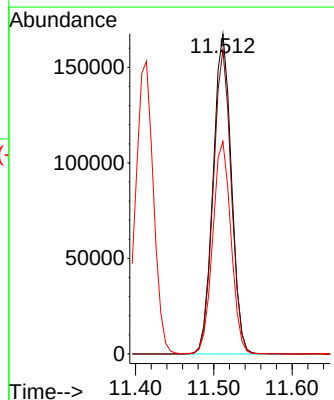
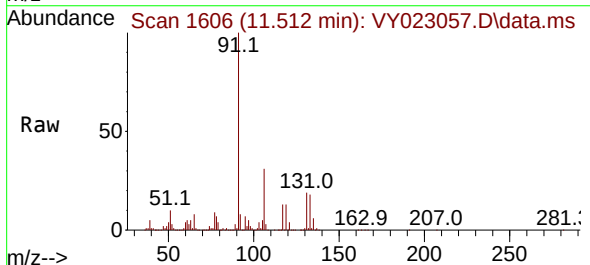
Instrument : MSVOA_Y
ClientSampleId : ICVVY081225

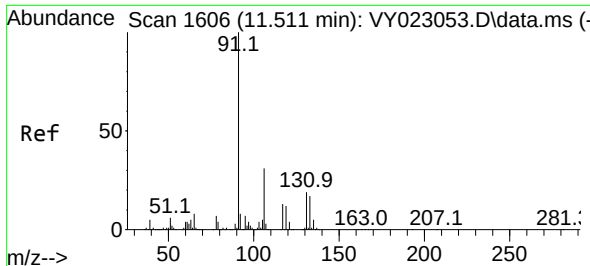
Tgt Ion:112 Resp: 787799
Ion Ratio Lower Upper
112 100
114 32.2 27.0 40.4



#66
1,1,1,2-Tetrachloroethane
Concen: 48.815 ug/l
RT: 11.512 min Scan# 1606
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion:131 Resp: 270360
Ion Ratio Lower Upper
131 100
133 94.4 46.9 140.6
119 66.7 33.2 99.6





#67

Ethyl Benzene

Concen: 49.163 ug/l

RT: 11.512 min Scan# 1606

Delta R.T. 0.000 min

Lab File: VY023057.D

Acq: 12 Aug 2025 17:53

Instrument :

MSVOA_Y

ClientSampleId :

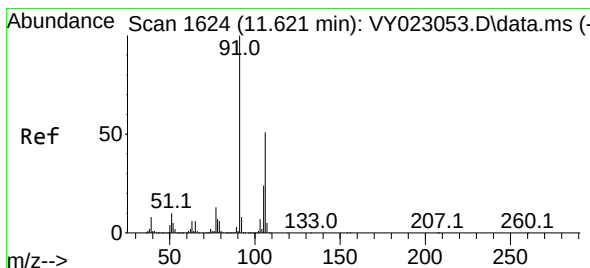
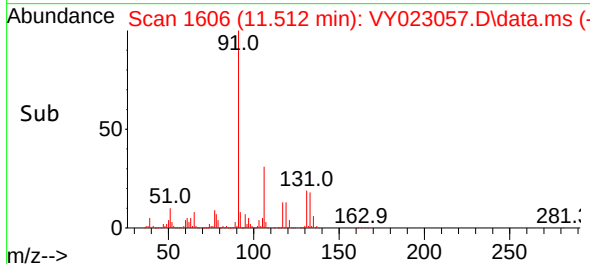
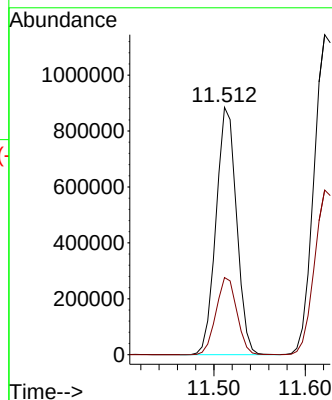
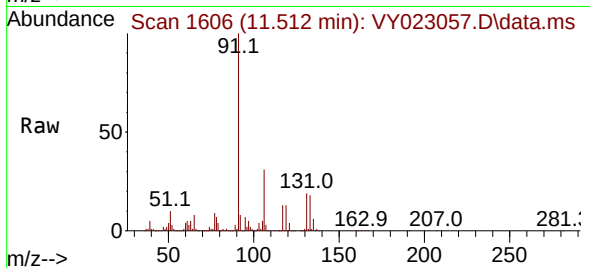
ICVY081225

Tgt Ion: 91 Resp: 1380648

Ion Ratio Lower Upper

91 100

106 31.2 25.0 37.4



#68

m/p-Xylenes

Concen: 98.515 ug/l

RT: 11.621 min Scan# 1624

Delta R.T. 0.000 min

Lab File: VY023057.D

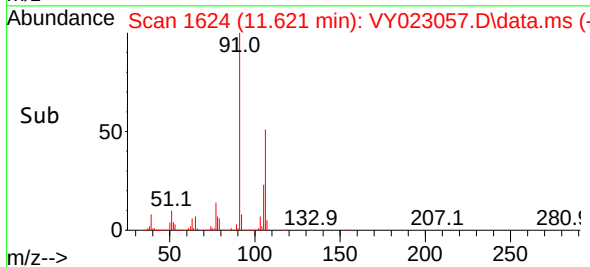
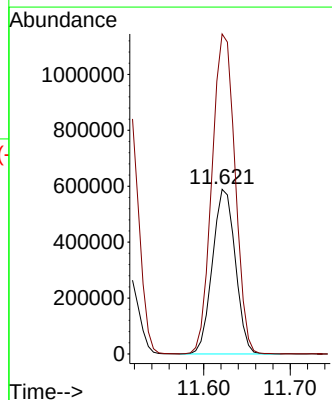
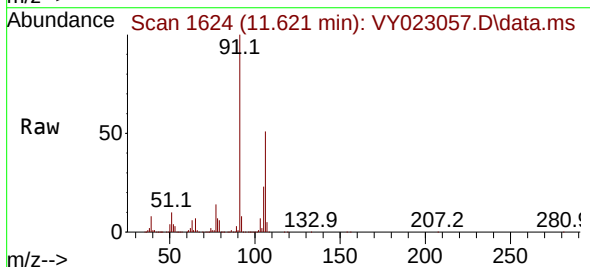
Acq: 12 Aug 2025 17:53

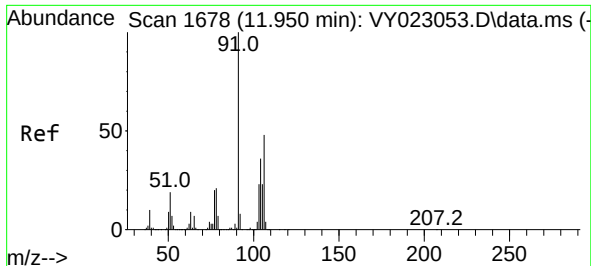
Tgt Ion: 106 Resp: 1080541

Ion Ratio Lower Upper

106 100

91 197.0 158.6 238.0

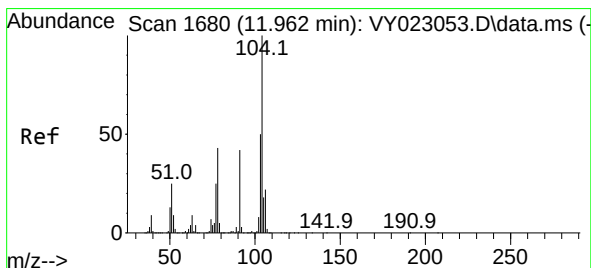
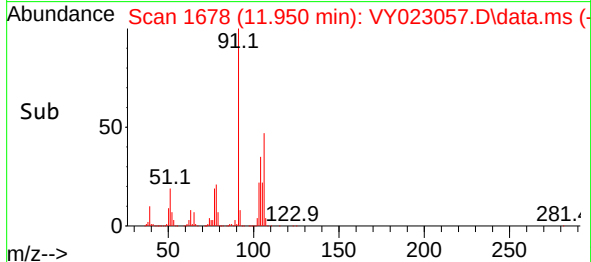
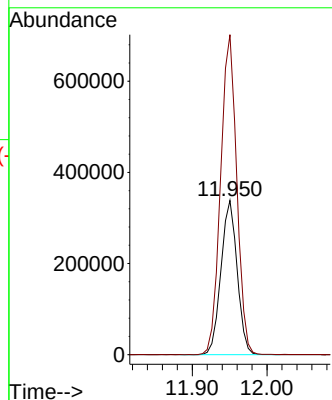
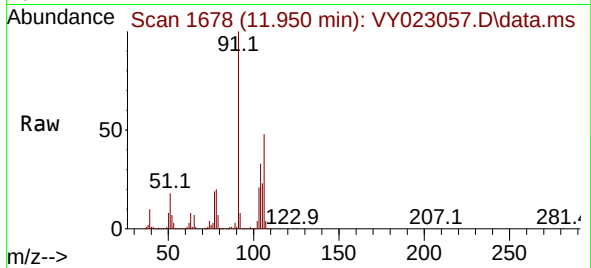




#69
o-Xylene
Concen: 49.645 ug/l
RT: 11.950 min Scan# 1678
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

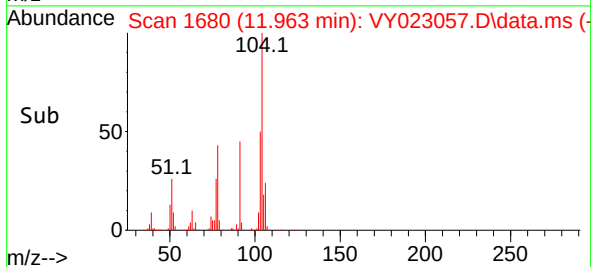
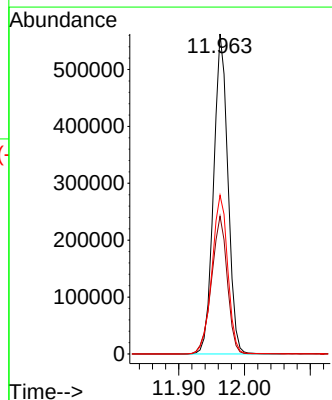
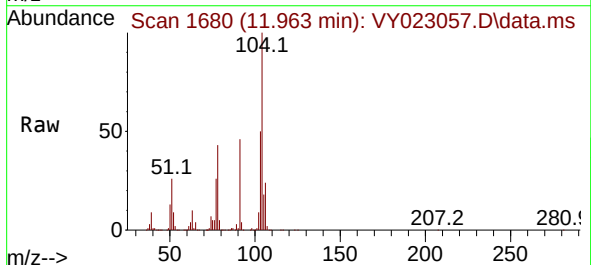
Instrument :
MSVOA_Y
ClientSampleId :
ICV081225

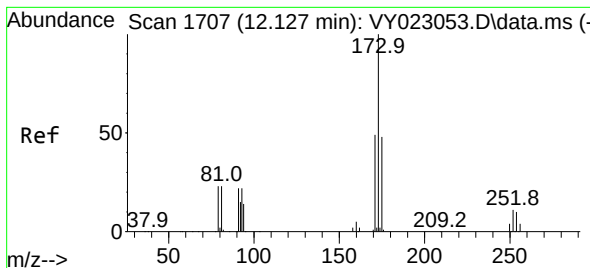
Tgt Ion:106 Resp: 509991
Ion Ratio Lower Upper
106 100
91 207.4 103.2 309.4



#70
Styrene
Concen: 50.733 ug/l
RT: 11.963 min Scan# 1680
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion:104 Resp: 852310
Ion Ratio Lower Upper
104 100
78 47.3 38.5 57.7
103 54.6 43.7 65.5

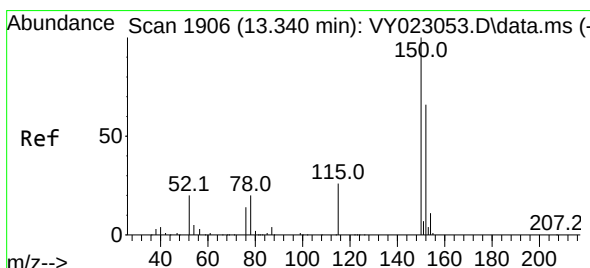
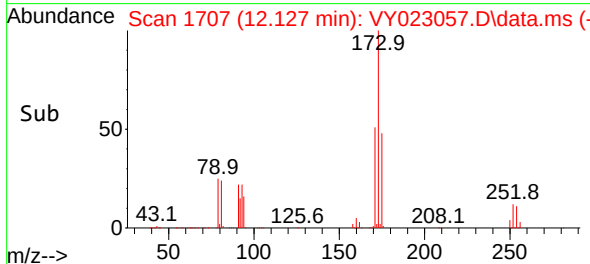
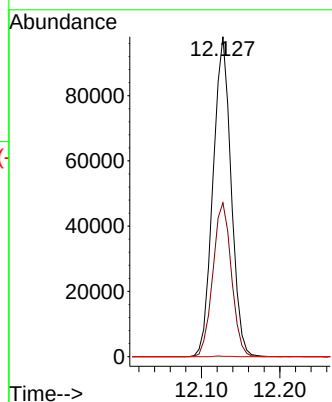
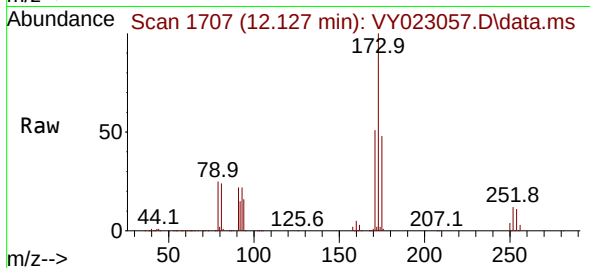




#71
Bromoform
Concen: 48.525 ug/l
RT: 12.127 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

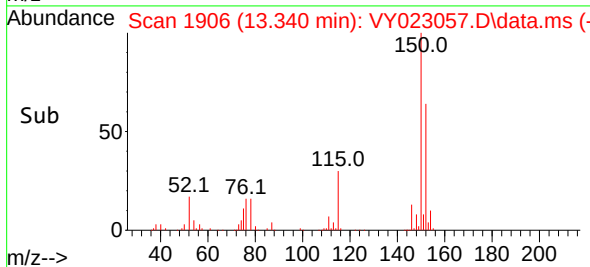
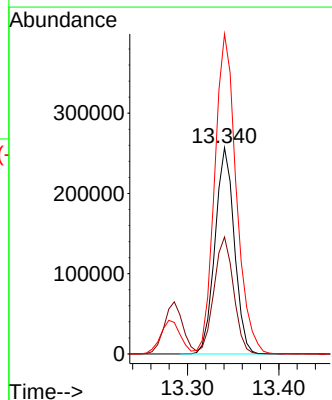
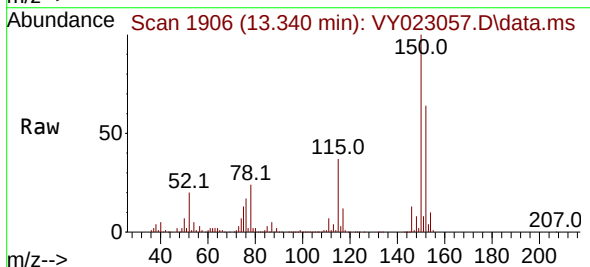
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY081225

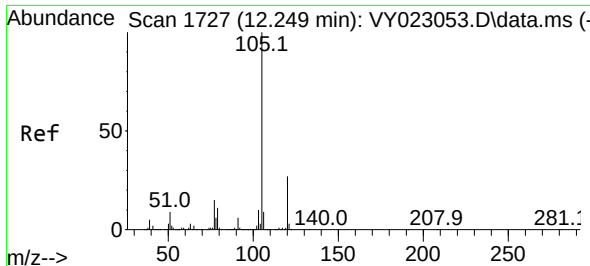
Tgt Ion:173 Resp: 157073
Ion Ratio Lower Upper
173 100
175 49.1 23.9 71.7
254 0.2 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.340 min Scan# 1906
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion:152 Resp: 376990
Ion Ratio Lower Upper
152 100
115 57.5 28.2 84.6
150 174.1 0.0 348.0

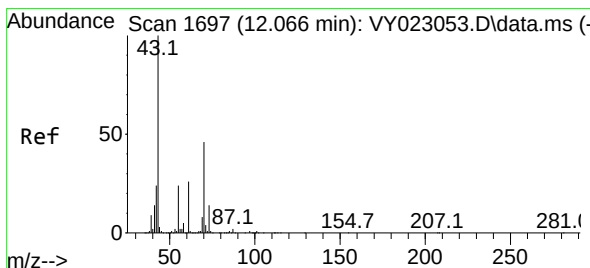
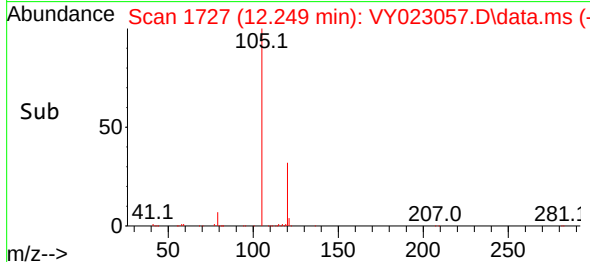
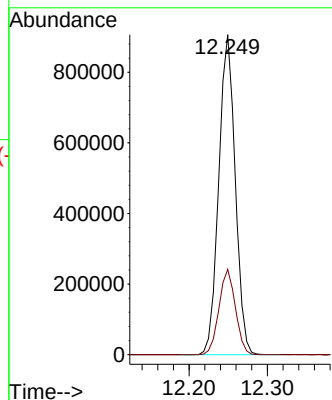
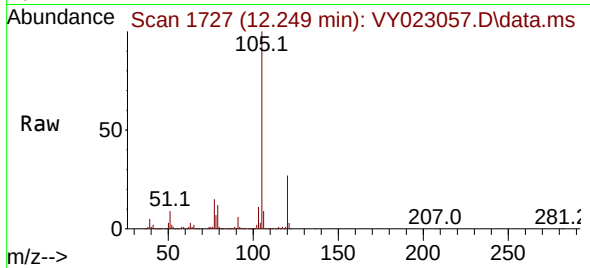




#73
Isopropylbenzene
Concen: 49.876 ug/l
RT: 12.249 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

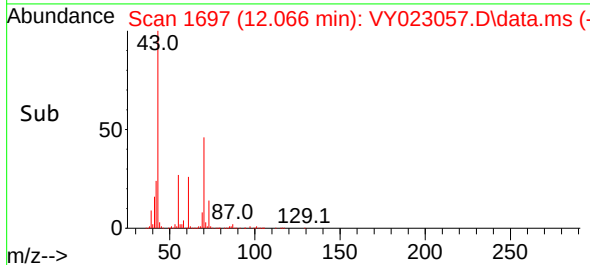
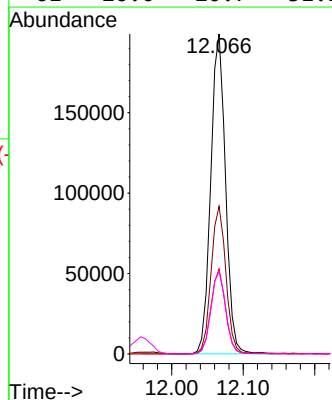
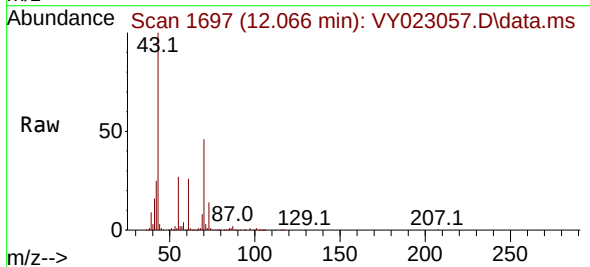
Instrument :
MSVOA_Y
ClientSampleId :
ICVY081225

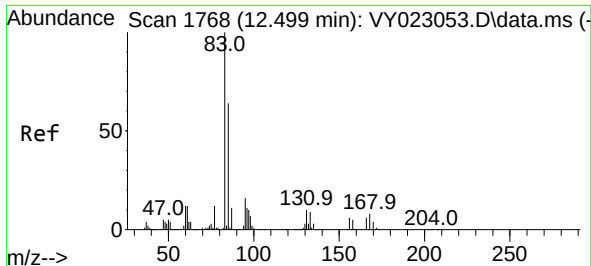
Tgt Ion:105 Resp: 1327070
Ion Ratio Lower Upper
105 100
120 26.6 13.4 40.2



#74
N-ethyl acetate
Concen: 50.529 ug/l
RT: 12.066 min Scan# 1697
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion: 43 Resp: 285118
Ion Ratio Lower Upper
43 100
70 46.5 37.5 56.3
55 26.2 20.7 31.1
61 26.0 20.7 31.1

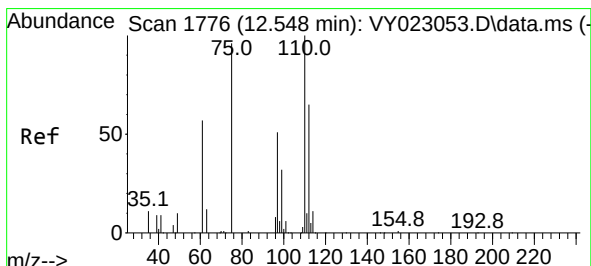
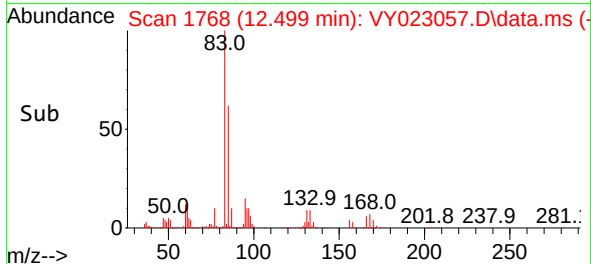
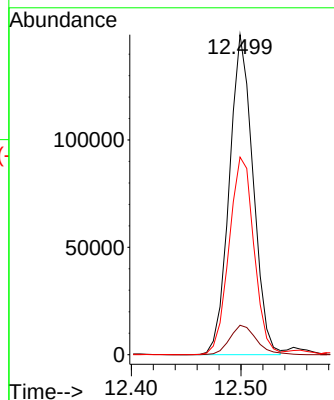
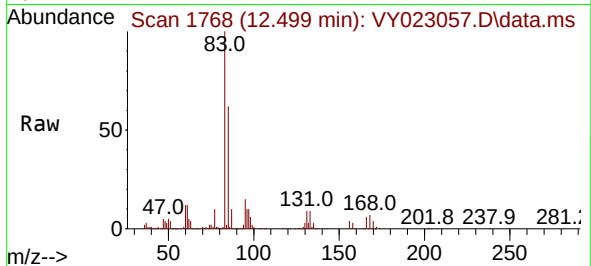




#75
1,1,2,2-Tetrachloroethane
Concen: 49.350 ug/l
RT: 12.499 min Scan# 1768
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

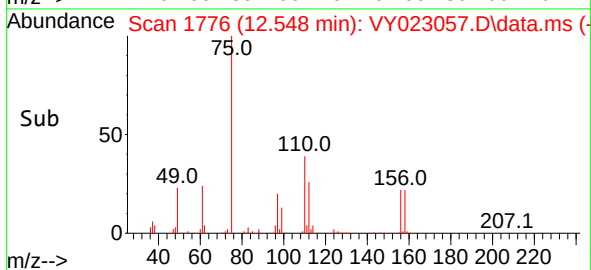
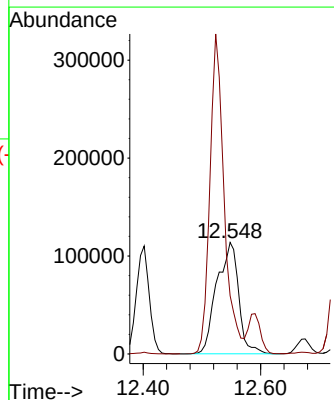
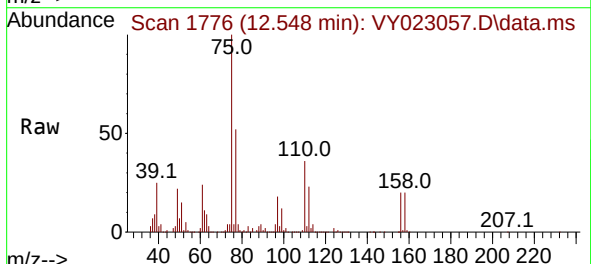
Instrument :
MSVOA_Y
ClientSampleId :
ICVY081225

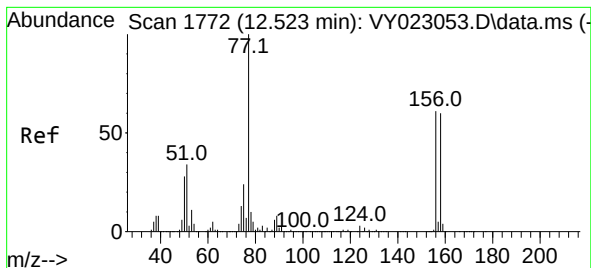
Tgt Ion: 83 Resp: 224206
Ion Ratio Lower Upper
83 100
131 10.3 5.1 15.3
85 65.0 31.8 95.3



#76
1,2,3-Trichloropropane
Concen: 80.862 ug/l
RT: 12.548 min Scan# 1776
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion: 75 Resp: 294203
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 49.004 ug/l

RT: 12.524 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY023057.D

Acq: 12 Aug 2025 17:53

Instrument :

MSVOA_Y

ClientSampleId :

ICVY081225

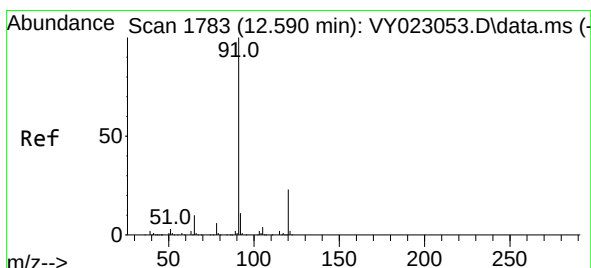
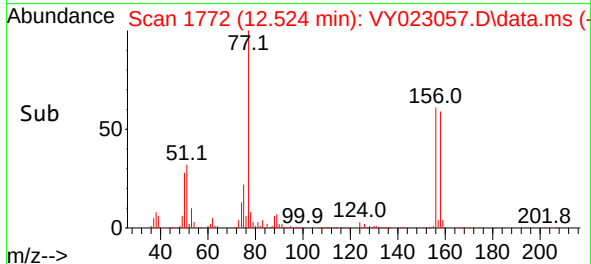
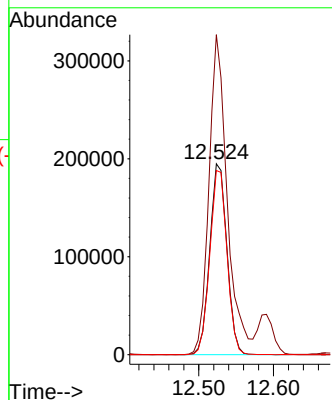
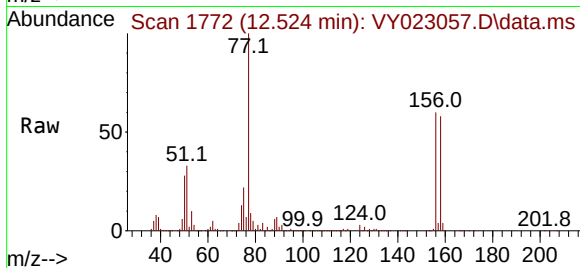
Tgt Ion:156 Resp: 311065

Ion Ratio Lower Upper

156 100

77 178.4 88.1 264.4

158 96.6 48.0 144.0



#78

n-propylbenzene

Concen: 50.853 ug/l

RT: 12.591 min Scan# 1783

Delta R.T. 0.000 min

Lab File: VY023057.D

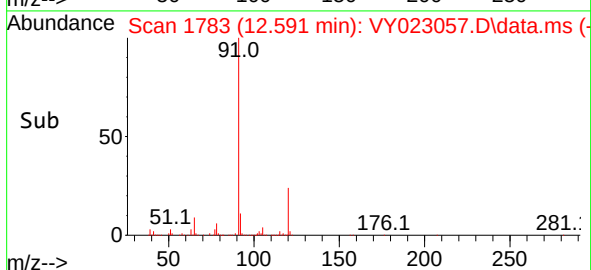
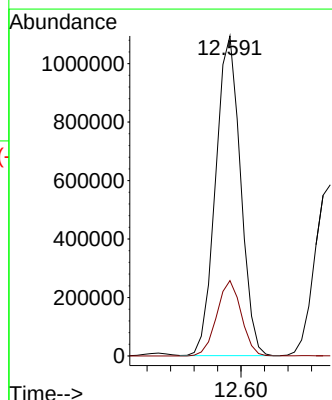
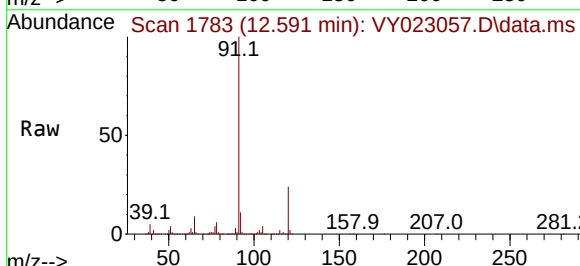
Acq: 12 Aug 2025 17:53

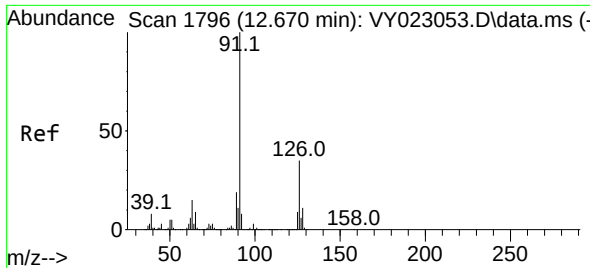
Tgt Ion: 91 Resp: 1610911

Ion Ratio Lower Upper

91 100

120 23.1 11.5 34.5

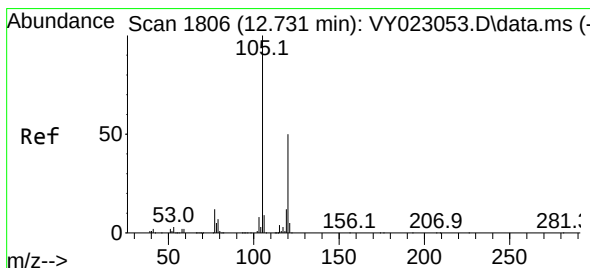
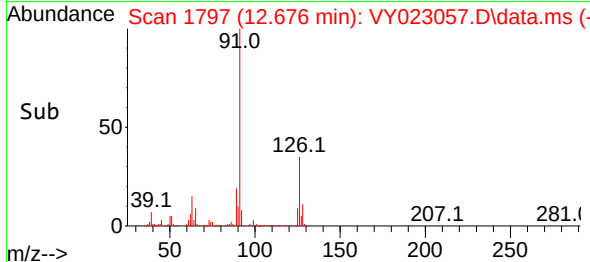
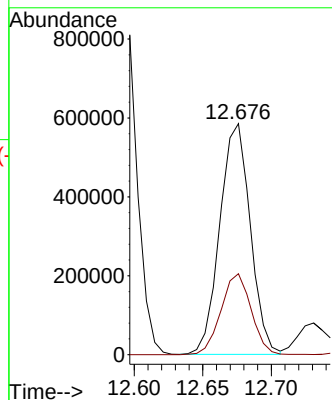
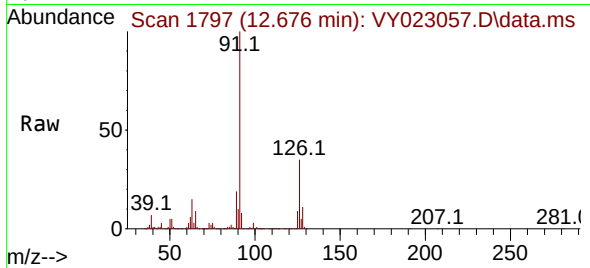




#79
2-Chlorotoluene
Concen: 49.898 ug/l
RT: 12.676 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

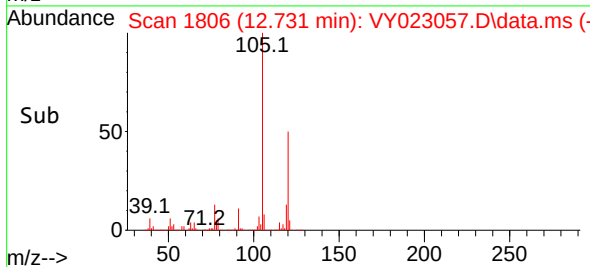
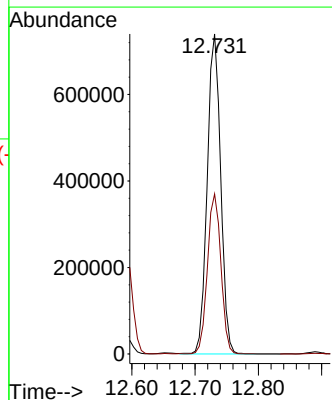
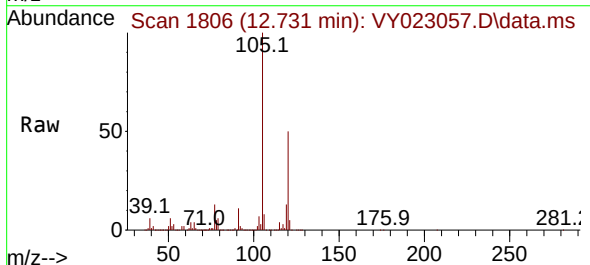
Instrument :
MSVOA_Y
ClientSampleId :
ICVY081225

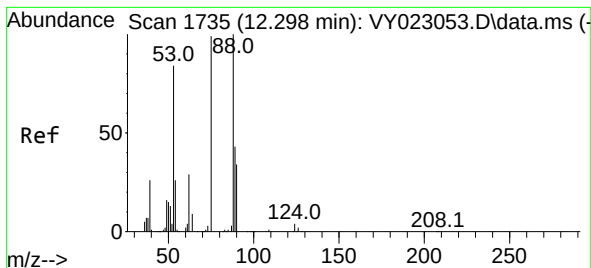
Tgt Ion: 91 Resp: 905657
Ion Ratio Lower Upper
91 100
126 34.7 17.4 52.3



#80
1,3,5-Trimethylbenzene
Concen: 50.916 ug/l
RT: 12.731 min Scan# 1806
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion: 105 Resp: 1094902
Ion Ratio Lower Upper
105 100
120 50.1 24.8 74.4

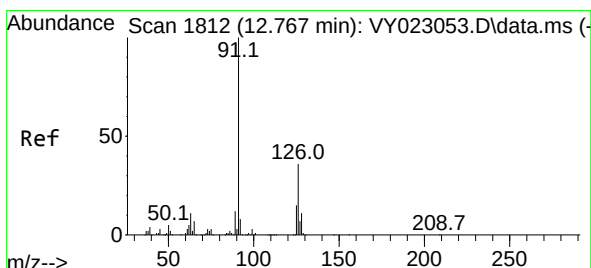
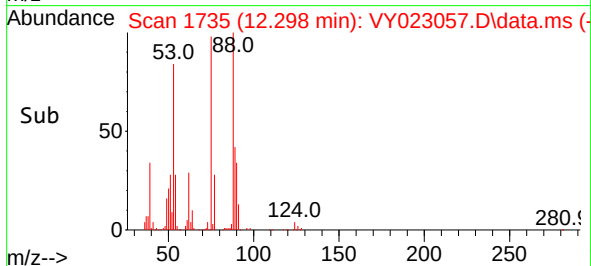
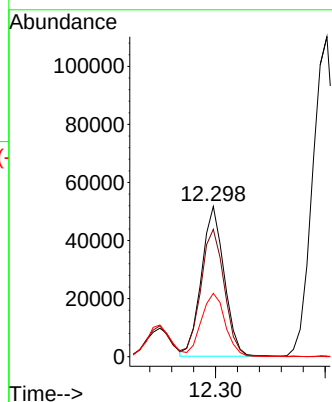
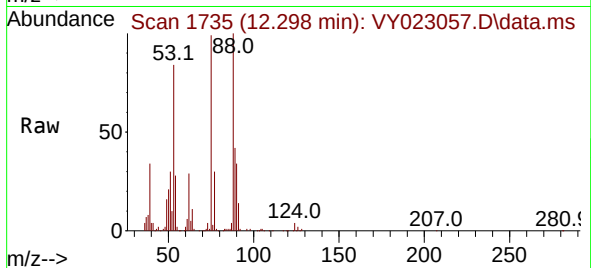




#81
trans-1,4-Dichloro-2-butene
Concen: 49.409 ug/l
RT: 12.298 min Scan# 1735
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

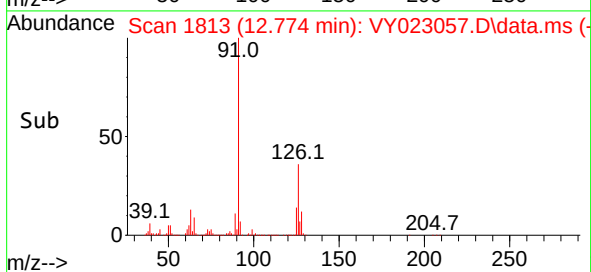
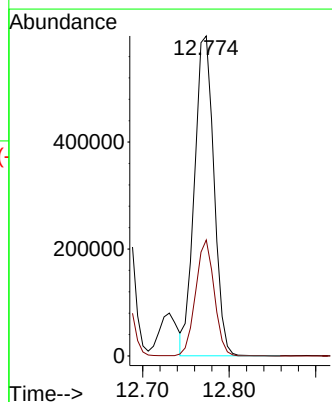
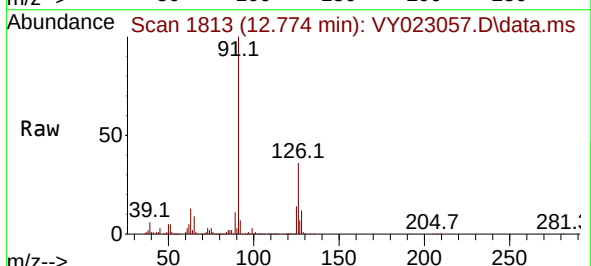
Instrument :
MSVOA_Y
ClientSampleId :
ICVY081225

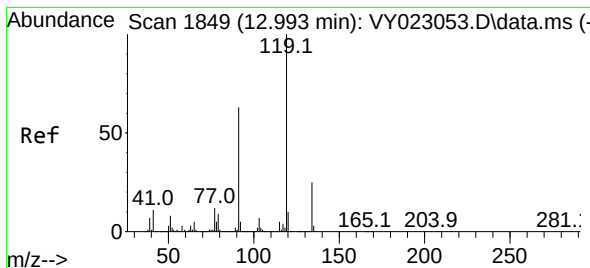
Tgt Ion: 75 Resp: 74263
Ion Ratio Lower Upper
75 100
53 89.2 70.8 106.2
89 44.3 38.1 57.1



#82
4-Chlorotoluene
Concen: 49.505 ug/l
RT: 12.774 min Scan# 1813
Delta R.T. 0.006 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion: 91 Resp: 932114
Ion Ratio Lower Upper
91 100
126 34.7 17.3 52.0





#83

tert-Butylbenzene

Concen: 50.443 ug/l

RT: 12.993 min Scan# 1849

Delta R.T. 0.000 min

Lab File: VY023057.D

Acq: 12 Aug 2025 17:53

Instrument :

MSVOA_Y

ClientSampleId :

ICVY081225

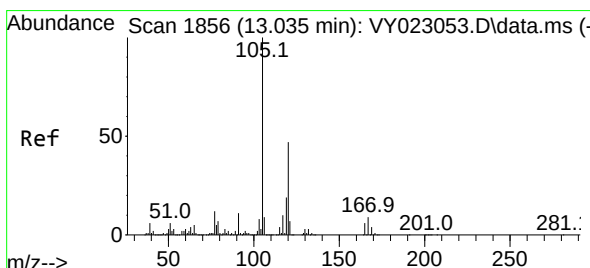
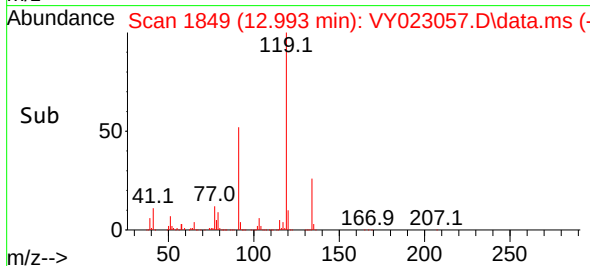
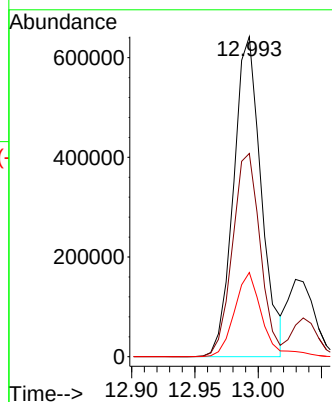
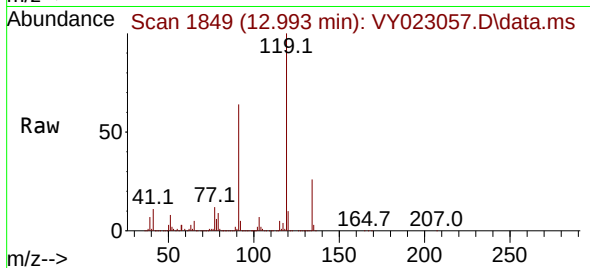
Tgt Ion:119 Resp: 979692

Ion Ratio Lower Upper

119 100

91 63.7 31.6 94.8

134 26.4 12.9 38.7



#84

1,2,4-Trimethylbenzene

Concen: 51.042 ug/l

RT: 13.036 min Scan# 1856

Delta R.T. 0.000 min

Lab File: VY023057.D

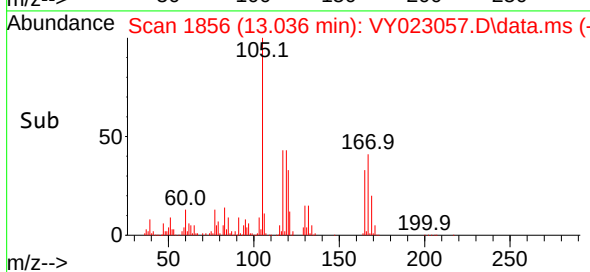
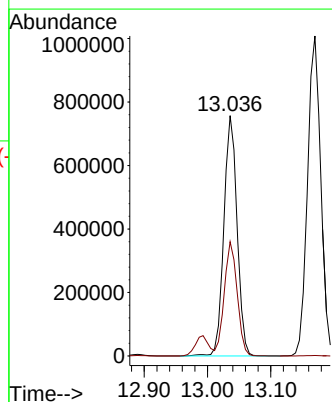
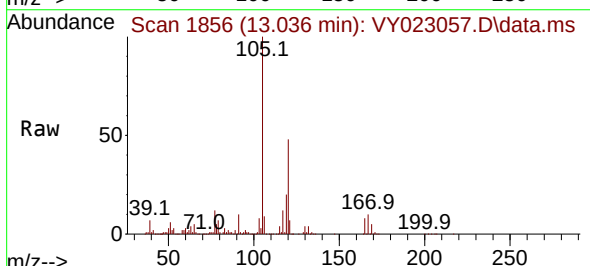
Acq: 12 Aug 2025 17:53

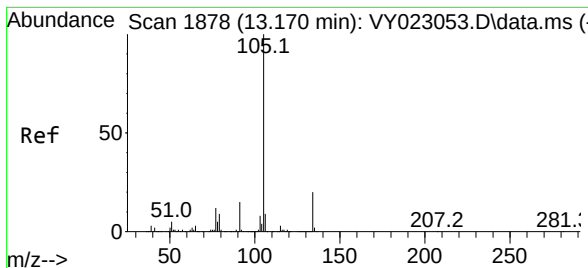
Tgt Ion:105 Resp: 1092616

Ion Ratio Lower Upper

105 100

120 46.3 23.0 69.0

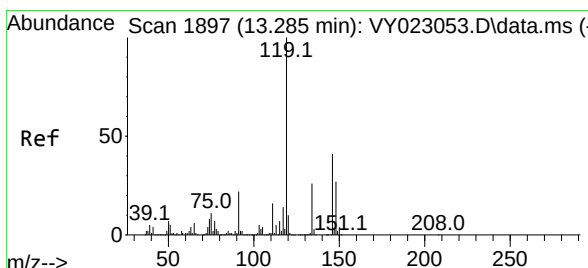
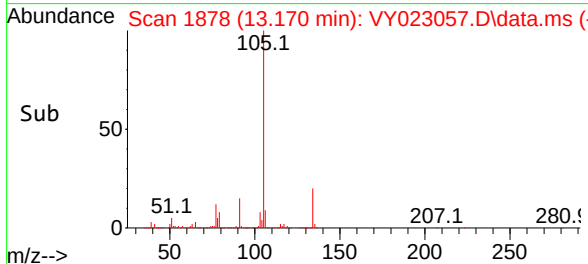
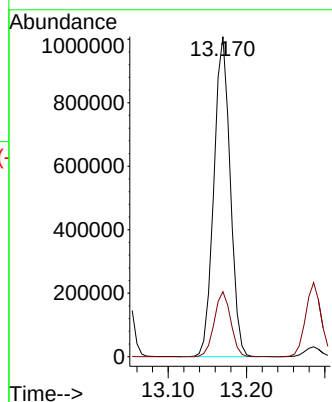
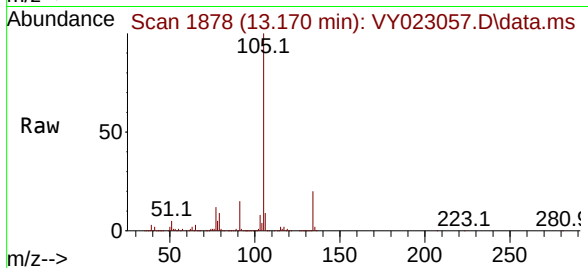




#85
 sec-Butylbenzene
 Concen: 51.154 ug/l
 RT: 13.170 min Scan# 1878
 Delta R.T. 0.000 min
 Lab File: VY023057.D
 Acq: 12 Aug 2025 17:53

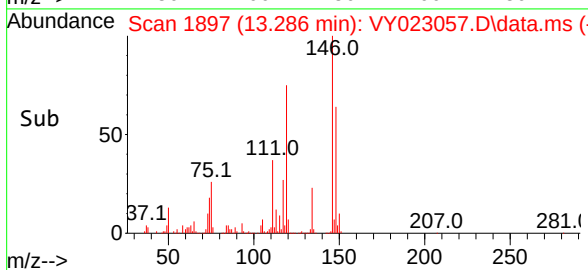
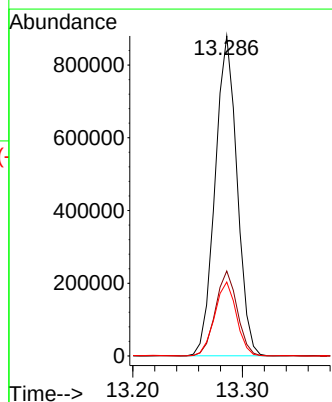
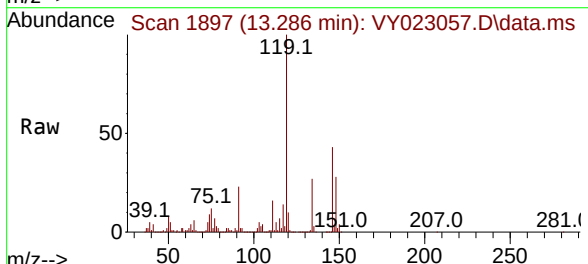
Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY081225

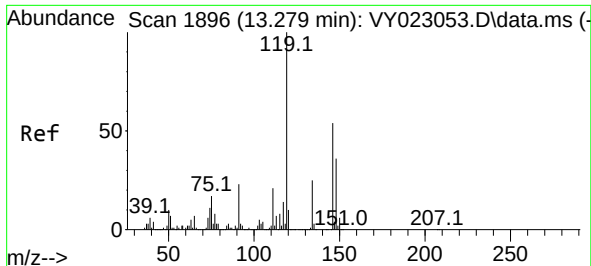
Tgt Ion:105 Resp: 1459437
 Ion Ratio Lower Upper
 105 100
 134 20.4 10.2 30.4



#86
 p-Isopropyltoluene
 Concen: 51.639 ug/l
 RT: 13.286 min Scan# 1897
 Delta R.T. 0.000 min
 Lab File: VY023057.D
 Acq: 12 Aug 2025 17:53

Tgt Ion:119 Resp: 1222900
 Ion Ratio Lower Upper
 119 100
 134 26.3 13.2 39.6
 91 22.9 11.3 33.8





#87

1,3-Dichlorobenzene

Concen: 49.639 ug/l

RT: 13.280 min Scan# 1896

Delta R.T. 0.000 min

Lab File: VY023057.D

Acq: 12 Aug 2025 17:53

Instrument :

MSVOA_Y

ClientSampleId :

ICVY081225

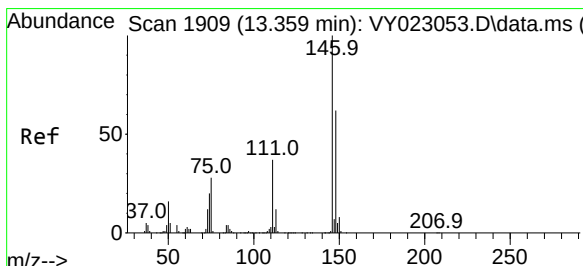
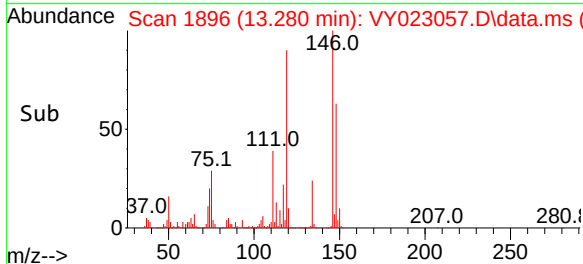
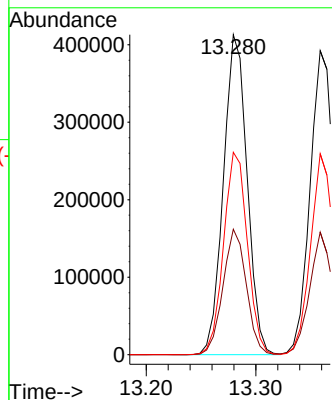
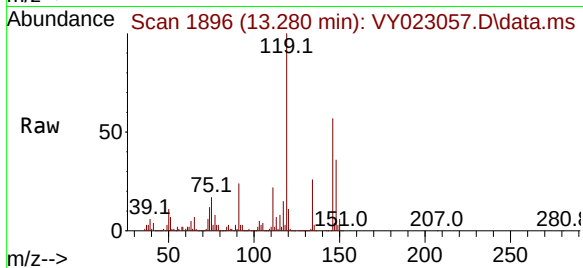
Tgt Ion:146 Resp: 621371

Ion Ratio Lower Upper

146 100

111 38.5 19.6 58.7

148 63.5 32.5 97.5



#88

1,4-Dichlorobenzene

Concen: 48.514 ug/l

RT: 13.359 min Scan# 1909

Delta R.T. 0.000 min

Lab File: VY023057.D

Acq: 12 Aug 2025 17:53

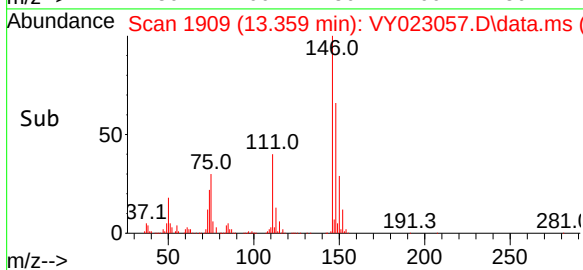
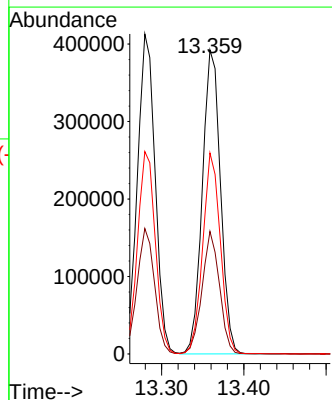
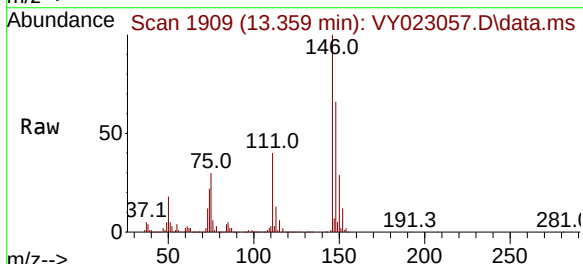
Tgt Ion:146 Resp: 602429

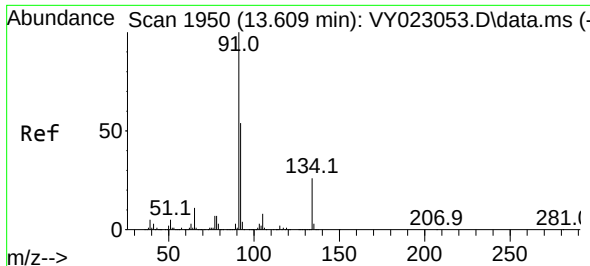
Ion Ratio Lower Upper

146 100

111 38.6 19.1 57.1

148 64.1 31.6 94.7

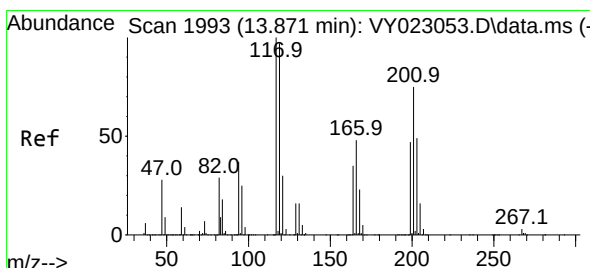
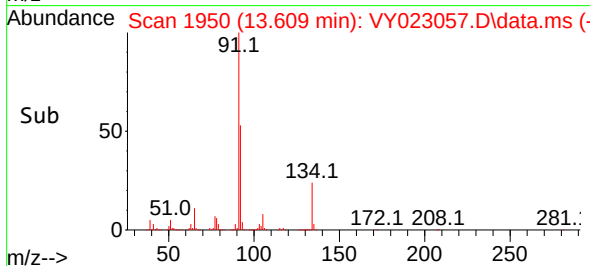
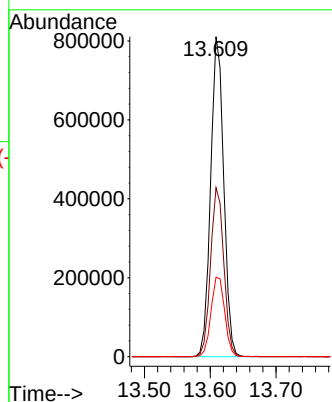
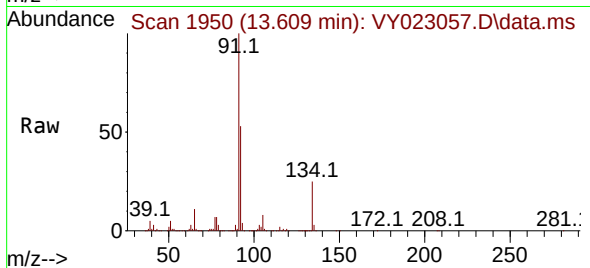




#89
n-Butylbenzene
Concen: 51.594 ug/l
RT: 13.609 min Scan# 1950
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

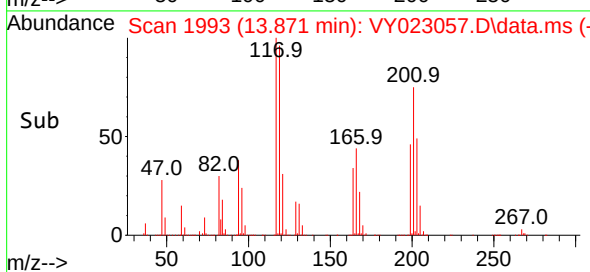
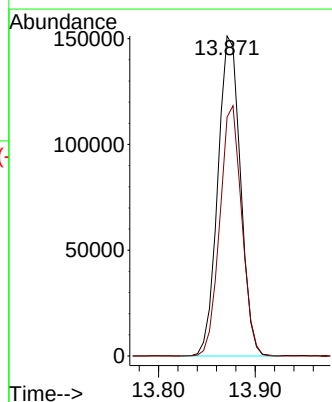
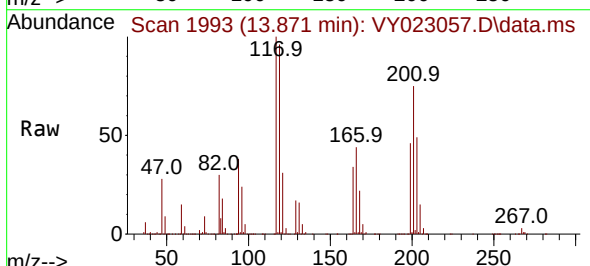
Instrument :
MSVOA_Y
ClientSampleId :
ICVY081225

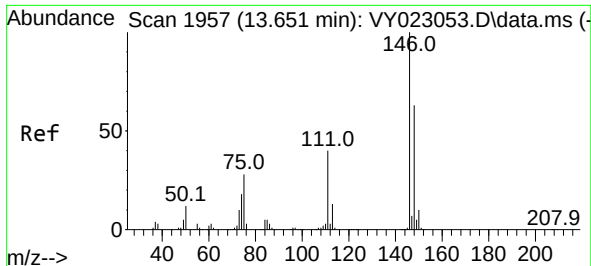
Tgt Ion: 91 Resp: 1122189
Ion Ratio Lower Upper
91 100
92 53.7 26.9 80.7
134 26.2 13.2 39.5



#90
Hexachloroethane
Concen: 50.617 ug/l
RT: 13.871 min Scan# 1993
Delta R.T. 0.000 min
Lab File: VY023057.D
Acq: 12 Aug 2025 17:53

Tgt Ion: 117 Resp: 245386
Ion Ratio Lower Upper
117 100
201 75.7 38.4 115.1





#91

1,2-Dichlorobenzene

Concen: 49.234 ug/l

RT: 13.651 min Scan# 1957

Delta R.T. 0.000 min

Lab File: VY023057.D

Acq: 12 Aug 2025 17:53

Instrument :

MSVOA_Y

ClientSampleId :

ICVVY081225

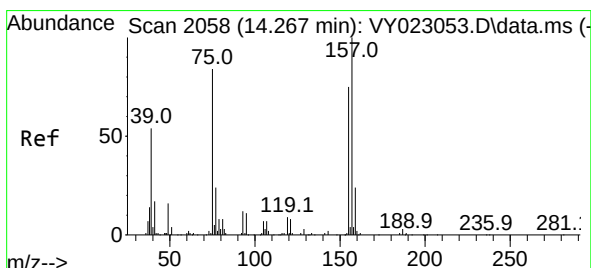
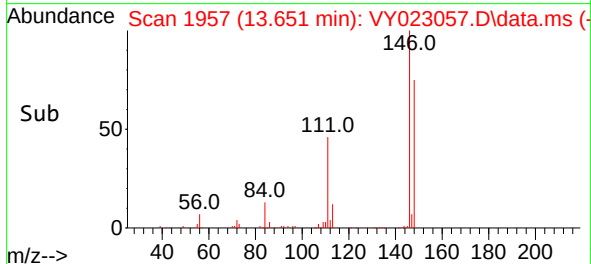
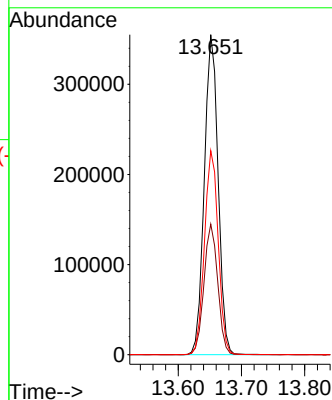
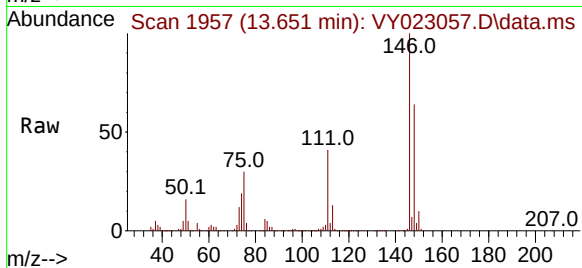
Tgt Ion:146 Resp: 540506

Ion Ratio Lower Upper

146 100

111 40.7 20.3 60.8

148 63.5 32.2 96.6



#92

1,2-Dibromo-3-Chloropropane

Concen: 50.085 ug/l

RT: 14.267 min Scan# 2058

Delta R.T. 0.000 min

Lab File: VY023057.D

Acq: 12 Aug 2025 17:53

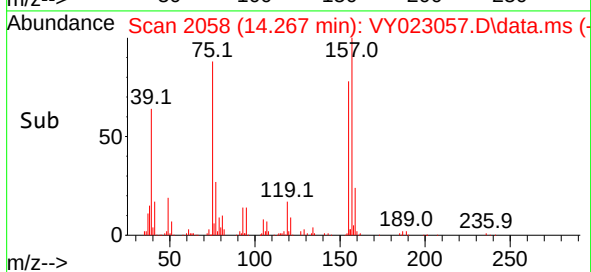
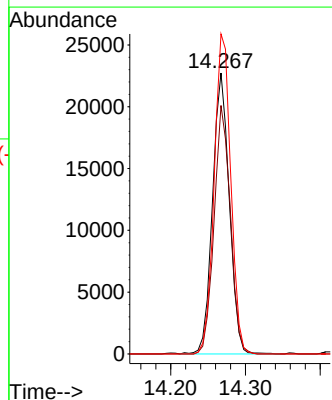
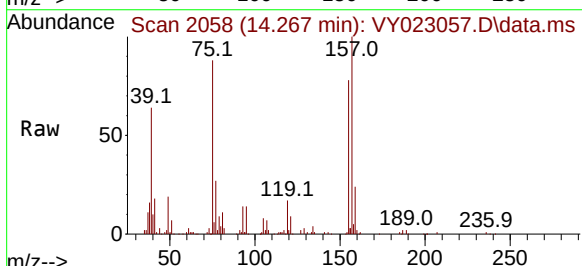
Tgt Ion: 75 Resp: 35428

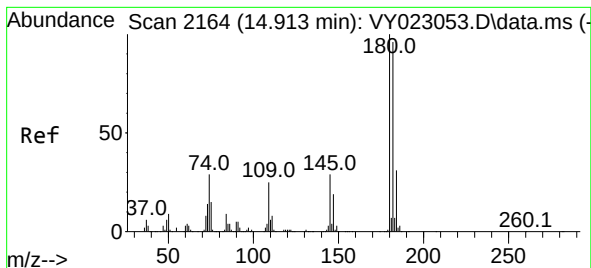
Ion Ratio Lower Upper

75 100

155 86.0 43.9 131.6

157 112.9 57.2 171.6





#93

1,2,4-Trichlorobenzene

Concen: 49.363 ug/l

RT: 14.913 min Scan# 2164

Delta R.T. 0.000 min

Lab File: VY023057.D

Acq: 12 Aug 2025 17:53

Instrument :

MSVOA_Y

ClientSampleId :

ICVVY081225

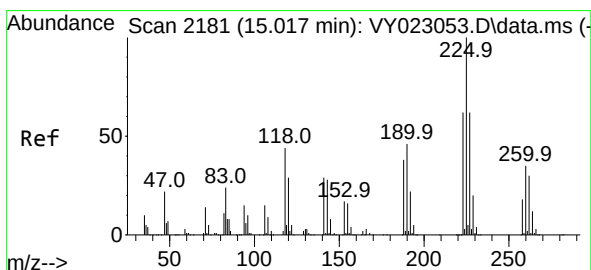
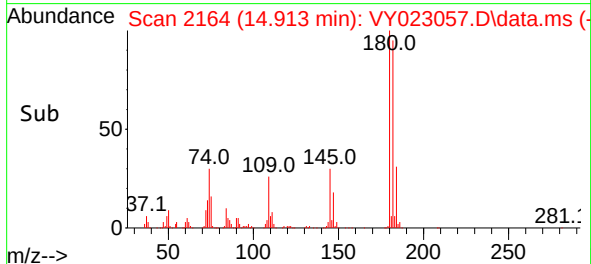
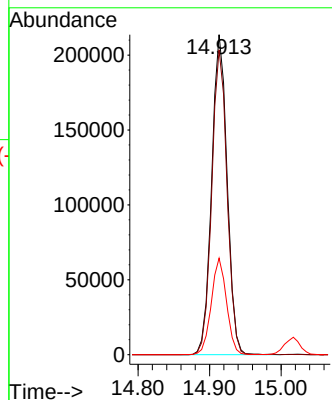
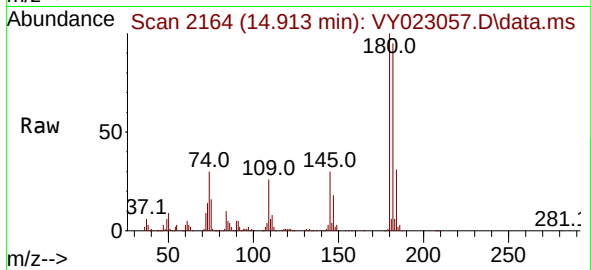
Tgt Ion:180 Resp: 320472

Ion Ratio Lower Upper

180 100

182 94.2 46.8 140.4

145 29.8 14.4 43.4



#94

Hexachlorobutadiene

Concen: 48.344 ug/l

RT: 15.017 min Scan# 2181

Delta R.T. 0.000 min

Lab File: VY023057.D

Acq: 12 Aug 2025 17:53

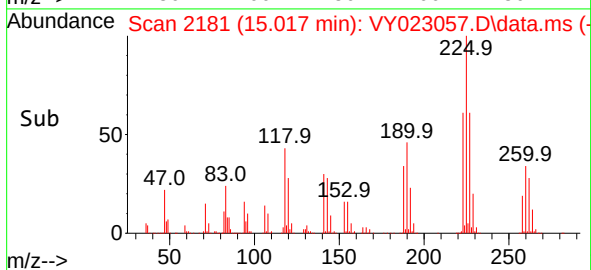
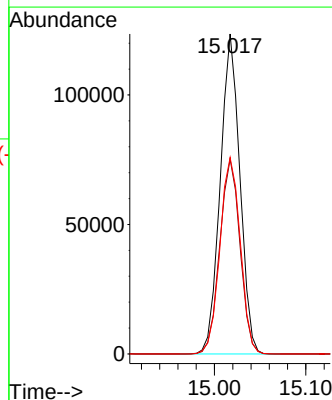
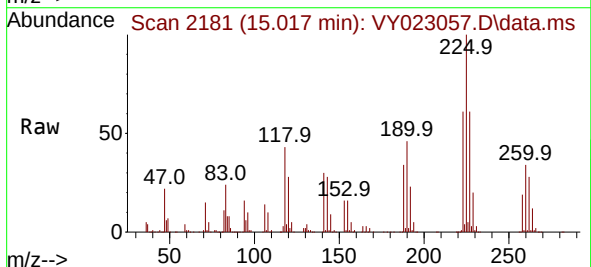
Tgt Ion:225 Resp: 184430

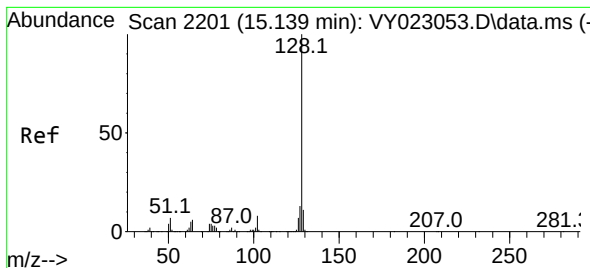
Ion Ratio Lower Upper

225 100

223 62.8 31.3 93.8

227 63.8 31.5 94.5





#95

Naphthalene

Concen: 51.623 ug/l

RT: 15.139 min Scan# 2201

Delta R.T. 0.000 min

Lab File: VY023057.D

Acq: 12 Aug 2025 17:53

Instrument :

MSVOA_Y

ClientSampleId :

ICVY081225

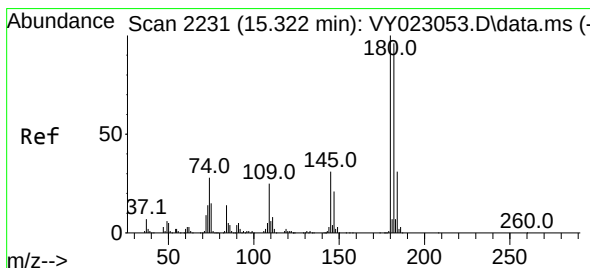
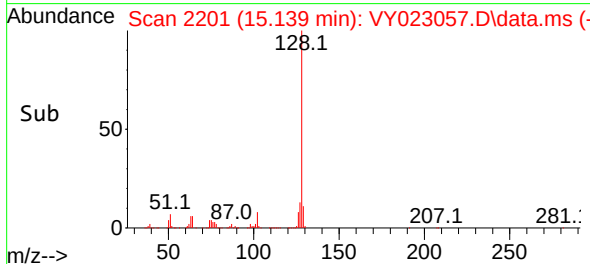
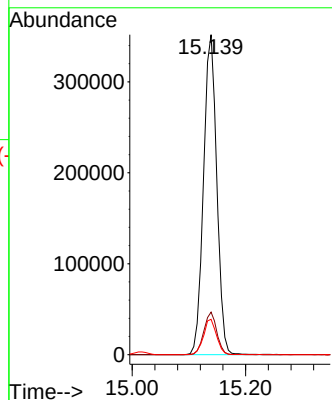
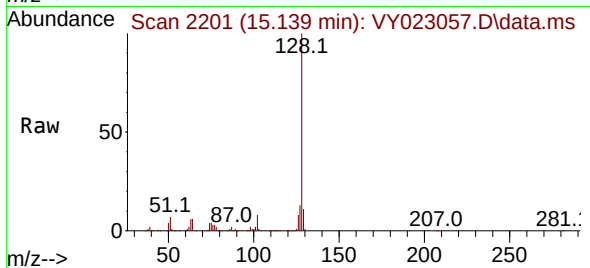
Tgt Ion:128 Resp: 571480

Ion Ratio Lower Upper

128 100

127 13.0 10.4 15.6

129 10.9 9.0 13.4



#96

1,2,3-Trichlorobenzene

Concen: 48.735 ug/l

RT: 15.322 min Scan# 2231

Delta R.T. 0.000 min

Lab File: VY023057.D

Acq: 12 Aug 2025 17:53

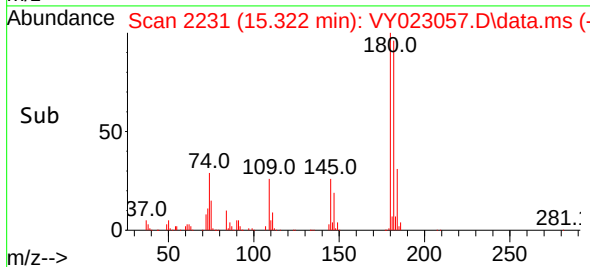
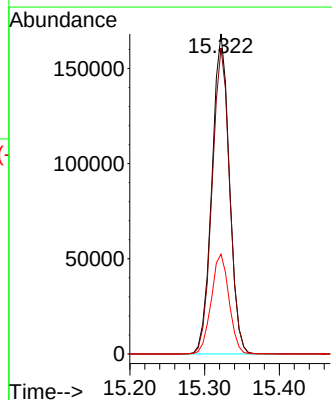
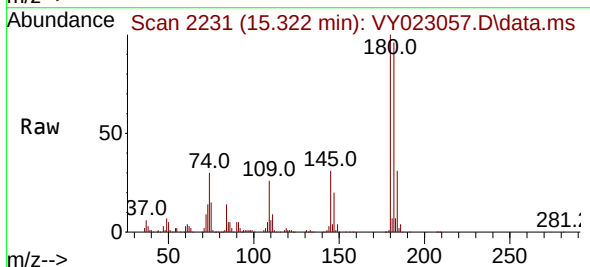
Tgt Ion:180 Resp: 272638

Ion Ratio Lower Upper

180 100

182 95.6 47.9 143.7

145 31.7 15.9 47.7



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081525\
 Data File : VY023111.D
 Acq On : 15 Aug 2025 08:39
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Quant Time: Aug 18 02:22:29 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 13 02:10:11 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	443799	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	696916	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	607348	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	306948	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	212960	50.349	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 100.700%	
35) Dibromofluoromethane	7.634	113	215688	51.722	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 103.440%	
50) Toluene-d8	10.103	98	840812	51.612	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 103.220%	
62) 4-Bromofluorobenzene	12.402	95	262368	50.079	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 100.160%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.867	85	147210	40.637	ug/l 97
3) Chloromethane	2.068	50	288876	49.235	ug/l 97
4) Vinyl Chloride	2.202	62	388634	53.584	ug/l 99
5) Bromomethane	2.598	94	292335	53.970	ug/l 100
6) Chloroethane	2.733	64	266036	55.172	ug/l 99
7) Trichlorofluoromethane	3.050	101	435783	49.413	ug/l 97
8) Diethyl Ether	3.458	74	109033	46.730	ug/l 99
9) 1,1,2-Trichlorotrifluo...	3.812	101	214906	49.394	ug/l 98
10) Methyl Iodide	4.001	142	251096	53.482	ug/l 96
11) Tert butyl alcohol	4.866	59	59139	204.058	ug/l # 84
12) 1,1-Dichloroethene	3.793	96	209124	48.899	ug/l 94
13) Acrolein	3.647	56	67121	158.141	ug/l 99
14) Allyl chloride	4.379	41	305726	48.583	ug/l 98
15) Acrylonitrile	5.061	53	226259	238.524	ug/l 99
16) Acetone	3.866	43	257167	280.645	ug/l 99
17) Carbon Disulfide	4.104	76	674565	48.375	ug/l 100
18) Methyl Acetate	4.385	43	131808	48.336	ug/l 99
19) Methyl tert-butyl Ether	5.110	73	536488	48.411	ug/l 99
20) Methylene Chloride	4.610	84	241025	50.654	ug/l 98
21) trans-1,2-Dichloroethene	5.110	96	243549	50.676	ug/l 99
22) Diisopropyl ether	6.012	45	696767	50.954	ug/l 94
23) Vinyl Acetate	5.958	43	1859565	245.935	ug/l 99
24) 1,1-Dichloroethane	5.915	63	429668	51.394	ug/l 99
25) 2-Butanone	6.890	43	316503	253.961	ug/l 98
26) 2,2-Dichloropropane	6.884	77	379004	52.538	ug/l 99
27) cis-1,2-Dichloroethene	6.890	96	285339	51.356	ug/l 99
28) Bromochloromethane	7.244	49	175456	52.898	ug/l 97
29) Tetrahydrofuran	7.262	42	183118	237.044	ug/l 98
30) Chloroform	7.421	83	451255	52.336	ug/l 99
31) Cyclohexane	7.701	56	375108	47.613	ug/l 99
32) 1,1,1-Trichloroethane	7.616	97	394056	51.507	ug/l 99
36) 1,1-Dichloropropene	7.835	75	317586	51.245	ug/l 99
37) Ethyl Acetate	6.982	43	125483	48.201	ug/l 100
38) Carbon Tetrachloride	7.817	117	352681	52.395	ug/l 98
39) Methylcyclohexane	9.109	83	406063	49.756	ug/l 97
40) Benzene	8.079	78	1014264	53.099	ug/l 99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081525\
 Data File : VY023111.D
 Acq On : 15 Aug 2025 08:39
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Quant Time: Aug 18 02:22:29 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 13 02:10:11 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	56915	37.881	ug/l #	75
42) 1,2-Dichloroethane	8.158	62	258937	52.122	ug/l	100
43) Isopropyl Acetate	8.195	43	250740	47.653	ug/l #	85
44) Trichloroethene	8.866	130	255103	51.680	ug/l	97
45) 1,2-Dichloropropane	9.140	63	233639	53.160	ug/l	99
46) Dibromomethane	9.225	93	131880	52.280	ug/l	99
47) Bromodichloromethane	9.420	83	345709	53.260	ug/l	98
48) Methyl methacrylate	9.219	41	121834	48.387	ug/l	96
49) 1,4-Dioxane	9.225	88	28081	949.382	ug/l	96
51) 4-Methyl-2-Pentanone	10.000	43	674267	248.424	ug/l	100
52) Toluene	10.170	92	646468	53.288	ug/l	99
53) t-1,3-Dichloropropene	10.390	75	302783	51.512	ug/l	99
54) cis-1,3-Dichloropropene	9.853	75	364333	52.418	ug/l	98
55) 1,1,2-Trichloroethane	10.573	97	175309	51.936	ug/l	98
56) Ethyl methacrylate	10.438	69	213704	49.477	ug/l	98
57) 1,3-Dichloropropane	10.713	76	293968	51.352	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.707	63	531531	260.887	ug/l	100
59) 2-Hexanone	10.756	43	471343	255.032	ug/l	98
60) Dibromochloromethane	10.908	129	231138	51.895	ug/l	100
61) 1,2-Dibromoethane	11.012	107	160069	50.454	ug/l	100
64) Tetrachloroethene	10.646	164	284630	52.484	ug/l	99
65) Chlorobenzene	11.438	112	693667	52.949	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.511	131	239263	53.813	ug/l	98
67) Ethyl Benzene	11.518	91	1219913	54.111	ug/l	99
68) m/p-Xylenes	11.627	106	953446	108.283	ug/l	99
69) o-Xylene	11.950	106	446920	54.193	ug/l	100
70) Styrene	11.969	104	752144	55.770	ug/l	99
71) Bromoform	12.127	173	128745	49.544	ug/l #	99
73) Isopropylbenzene	12.249	105	1146162	52.906	ug/l	100
74) N-amyl acetate	12.066	43	226300	49.257	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	182753	49.405	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	249491	84.220	ug/l #	100
77) Bromobenzene	12.530	156	262726	50.833	ug/l	98
78) n-propylbenzene	12.591	91	1396330	54.137	ug/l	100
79) 2-Chlorotoluene	12.676	91	783125	52.993	ug/l	99
80) 1,3,5-Trimethylbenzene	12.731	105	943980	53.915	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.298	75	59917	48.961	ug/l	99
82) 4-Chlorotoluene	12.773	91	806542	52.611	ug/l	100
83) tert-Butylbenzene	12.993	119	825002	52.171	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	946009	54.277	ug/l	99
85) sec-Butylbenzene	13.170	105	1234484	53.143	ug/l	99
86) p-Isopropyltoluene	13.286	119	1047646	54.334	ug/l	100
87) 1,3-Dichlorobenzene	13.286	146	536529	52.641	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	520698	51.501	ug/l	99
89) n-Butylbenzene	13.615	91	955218	53.939	ug/l	98
90) Hexachloroethane	13.877	117	209441	53.061	ug/l	97
91) 1,2-Dichlorobenzene	13.657	146	460235	51.489	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	27552	47.839	ug/l	95
93) 1,2,4-Trichlorobenzene	14.919	180	243376	46.042	ug/l	98
94) Hexachlorobutadiene	15.017	225	144679	46.578	ug/l	99
95) Naphthalene	15.139	128	408671	45.340	ug/l	100
96) 1,2,3-Trichlorobenzene	15.322	180	208542	45.784	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081525\
Data File : VY023111.D
Acq On : 15 Aug 2025 08:39
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

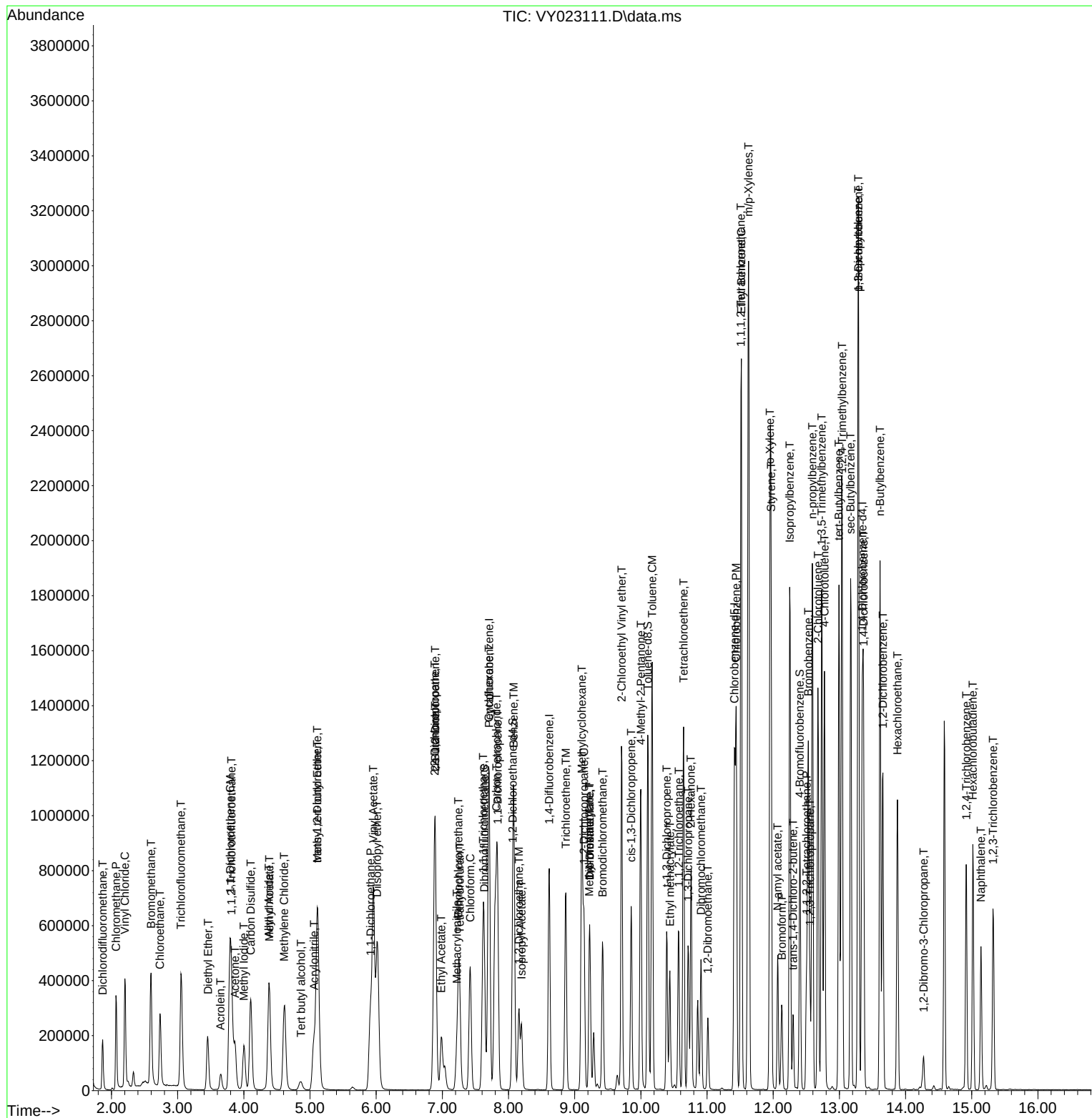
Quant Time: Aug 18 02:22:29 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

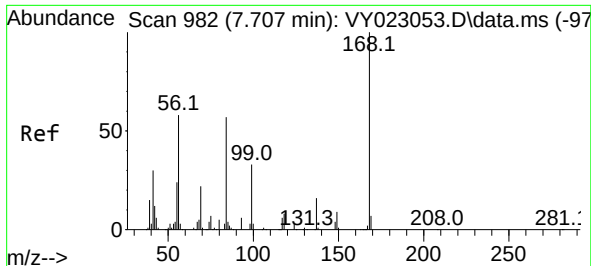
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Quant Time: Aug 18 02:22:29 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

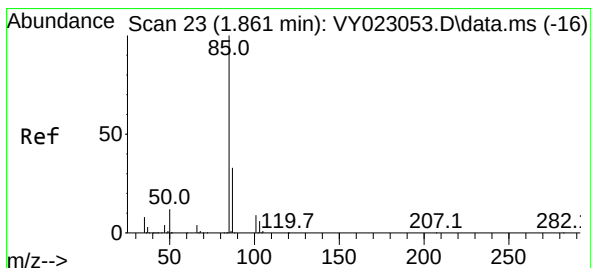
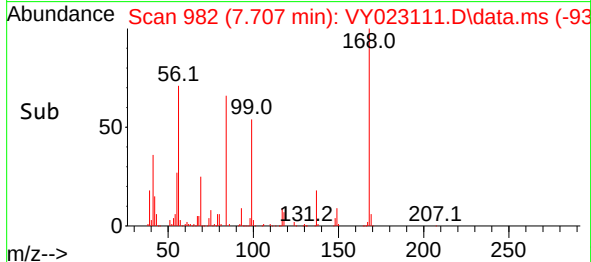
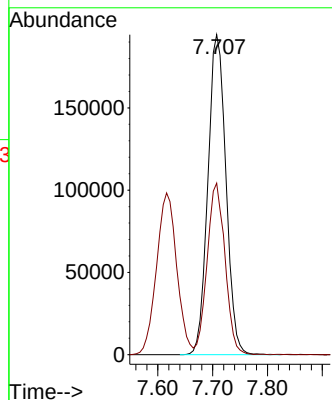
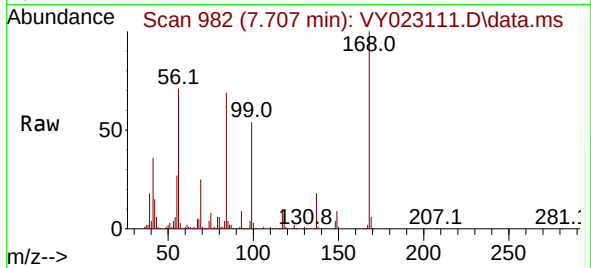




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023111.D
Acq: 15 Aug 2025 08:39

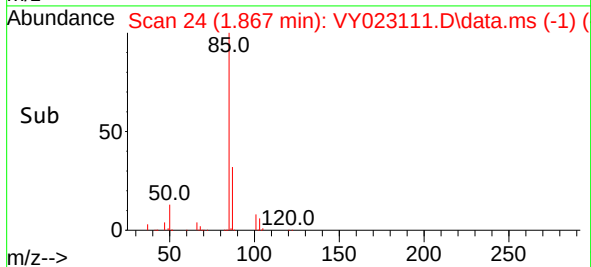
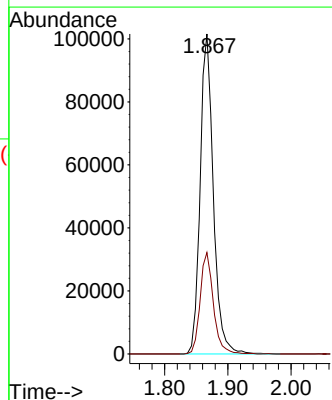
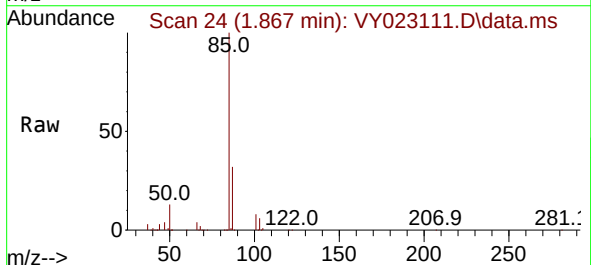
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

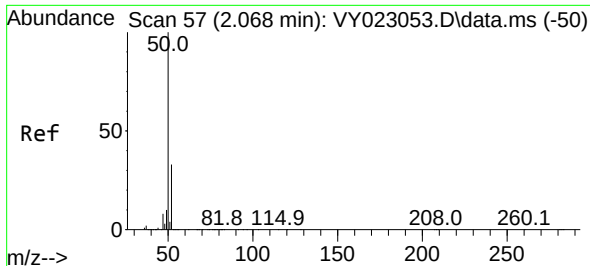
Tgt Ion:168 Resp: 443799
Ion Ratio Lower Upper
168 100
99 53.5 42.8 64.2



#2
Dichlorodifluoromethane
Concen: 40.637 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.006 min
Lab File: VY023111.D
Acq: 15 Aug 2025 08:39

Tgt Ion: 85 Resp: 147210
Ion Ratio Lower Upper
85 100
87 31.7 16.6 49.8

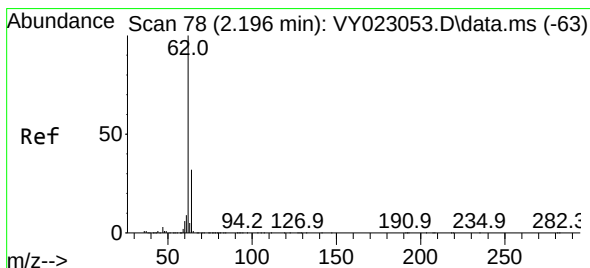
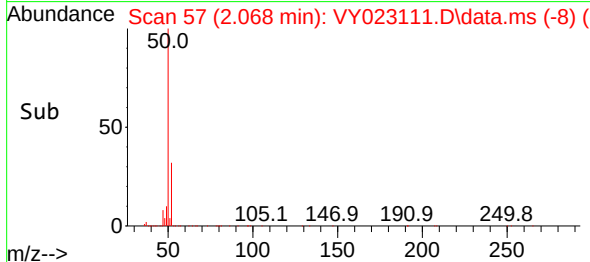
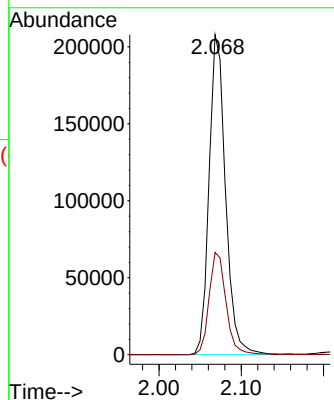
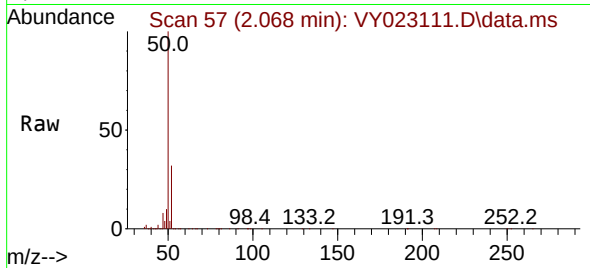




#3
Chloromethane
Concen: 49.235 ug/l
RT: 2.068 min Scan# 51
Delta R.T. 0.000 min
Lab File: VY023111.D
Acq: 15 Aug 2025 08:39

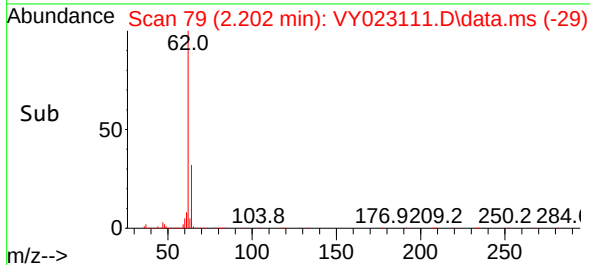
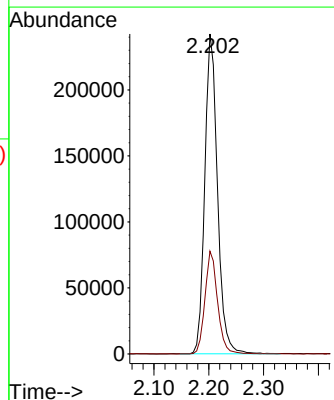
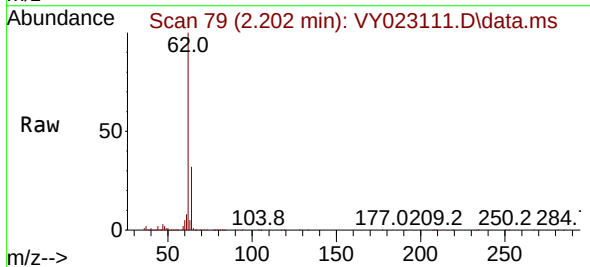
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

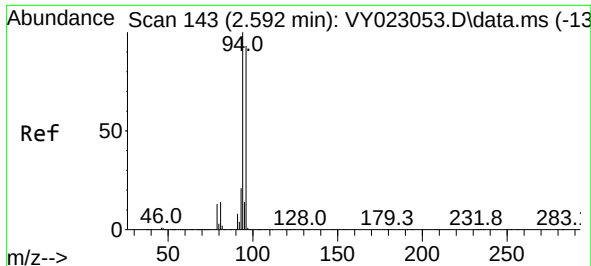
Tgt Ion: 50 Resp: 288876
Ion Ratio Lower Upper
50 100
52 32.0 26.7 40.1



#4
Vinyl Chloride
Concen: 53.584 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.006 min
Lab File: VY023111.D
Acq: 15 Aug 2025 08:39

Tgt Ion: 62 Resp: 388634
Ion Ratio Lower Upper
62 100
64 32.1 25.4 38.0

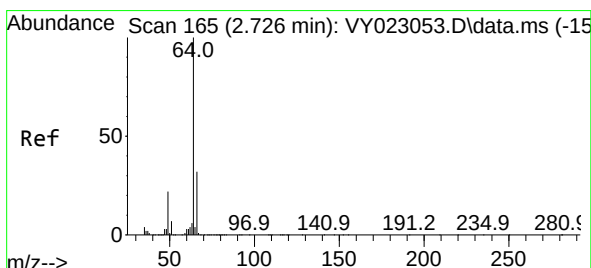
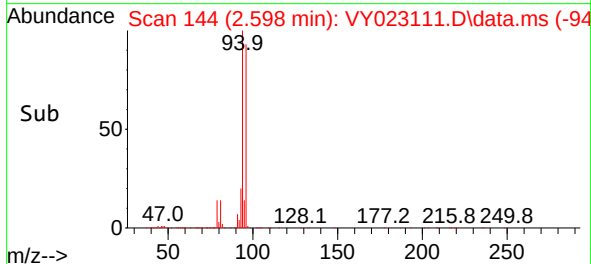
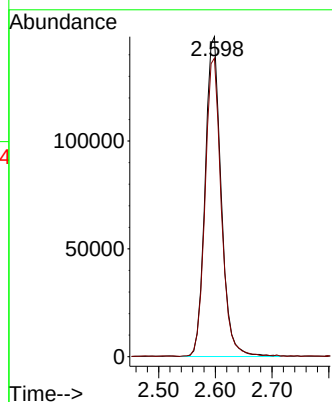
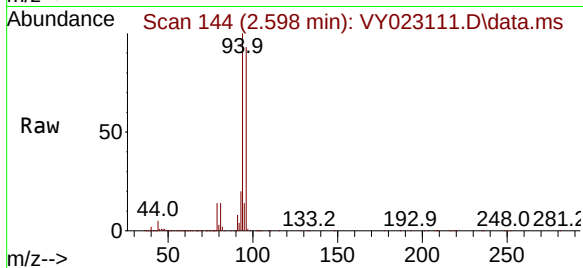




#5
Bromomethane
Concen: 53.970 ug/l
RT: 2.598 min Scan# 143
Delta R.T. 0.006 min
Lab File: VY023111.D
Acq: 15 Aug 2025 08:39

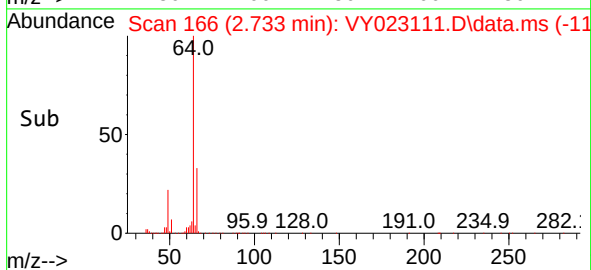
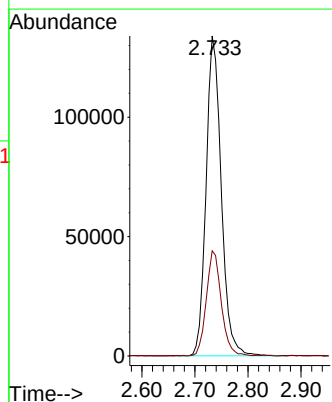
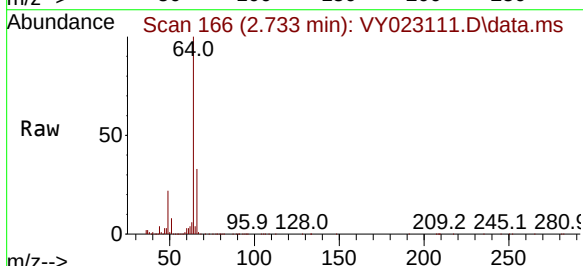
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

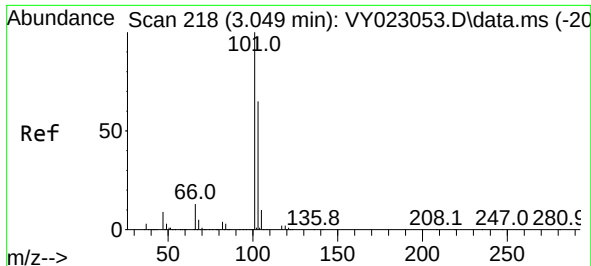
Tgt Ion: 94 Resp: 292335
Ion Ratio Lower Upper
94 100
96 93.3 74.6 112.0



#6
Chloroethane
Concen: 55.172 ug/l
RT: 2.733 min Scan# 166
Delta R.T. 0.006 min
Lab File: VY023111.D
Acq: 15 Aug 2025 08:39

Tgt Ion: 64 Resp: 266036
Ion Ratio Lower Upper
64 100
66 32.8 25.8 38.6

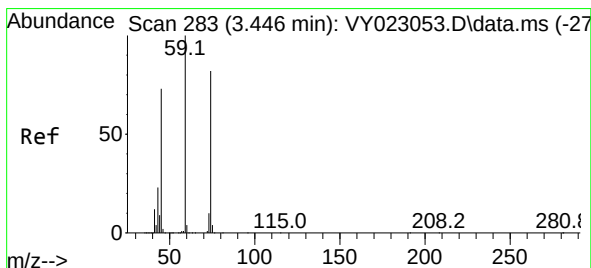
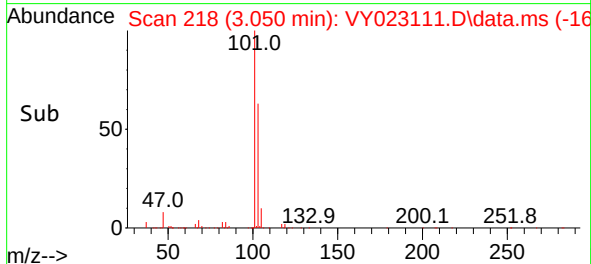
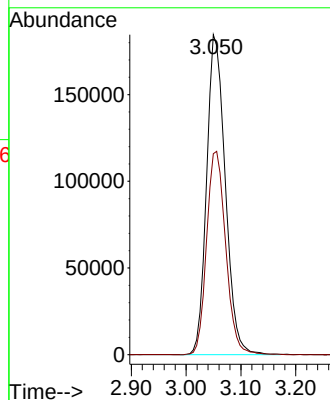
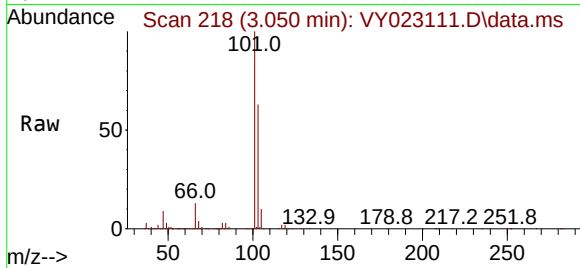




#7
Trichlorofluoromethane
Concen: 49.413 ug/l
RT: 3.050 min Scan# 218
Delta R.T. 0.000 min
Lab File: VY023111.D
Acq: 15 Aug 2025 08:39

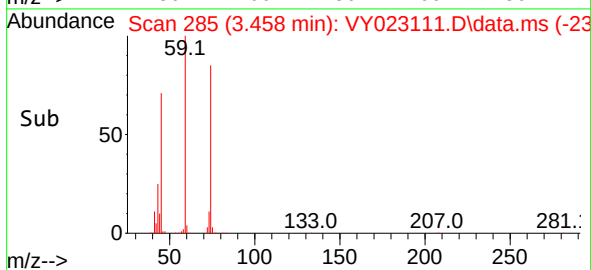
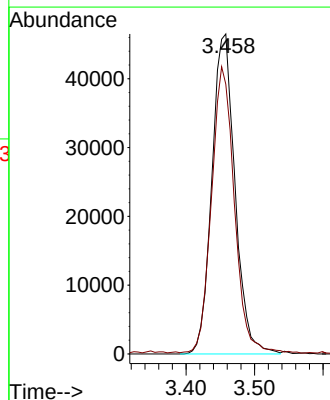
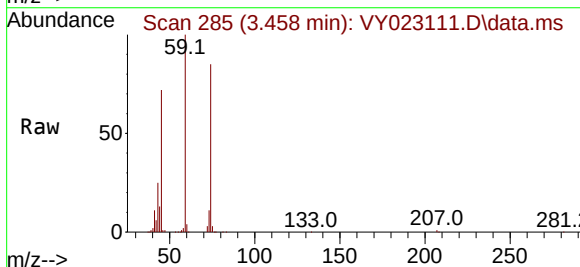
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

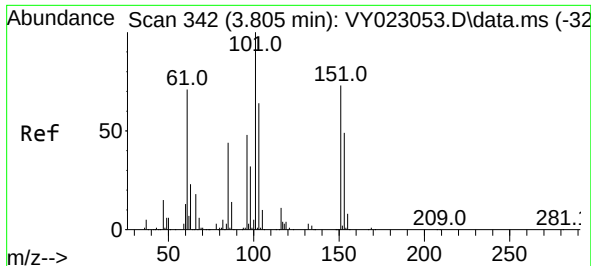
Tgt Ion:101 Resp: 435783
Ion Ratio Lower Upper
101 100
103 62.8 51.9 77.9



#8
Diethyl Ether
Concen: 46.730 ug/l
RT: 3.458 min Scan# 285
Delta R.T. 0.012 min
Lab File: VY023111.D
Acq: 15 Aug 2025 08:39

Tgt Ion: 74 Resp: 109033
Ion Ratio Lower Upper
74 100
45 88.3 44.4 133.2

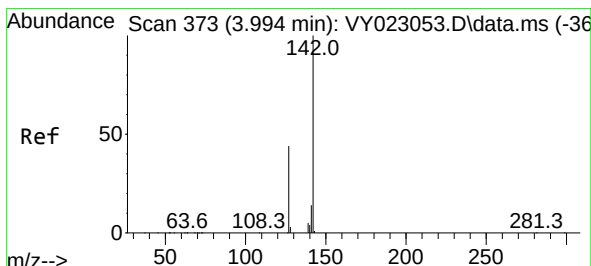
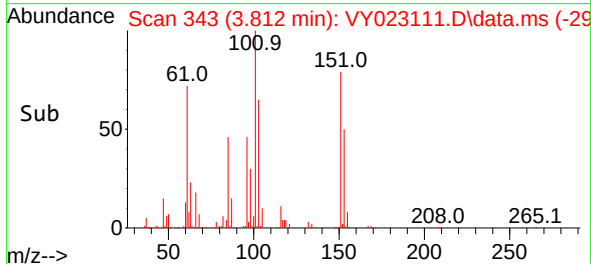
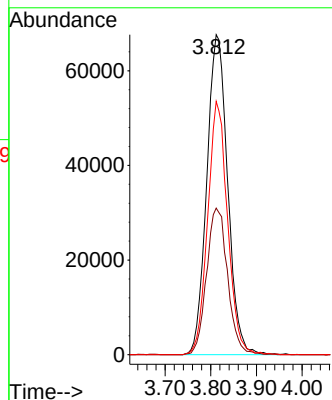
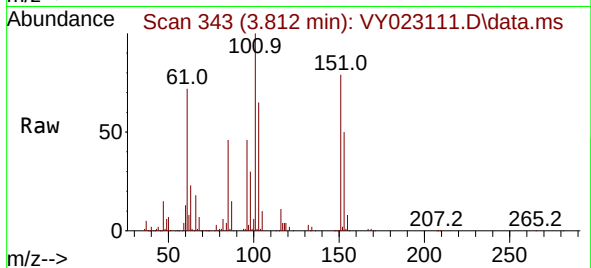




#9
1,1,2-Trichlorotrifluoroethane
Concen: 49.394 ug/l
RT: 3.812 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY023111.D
Acq: 15 Aug 2025 08:39

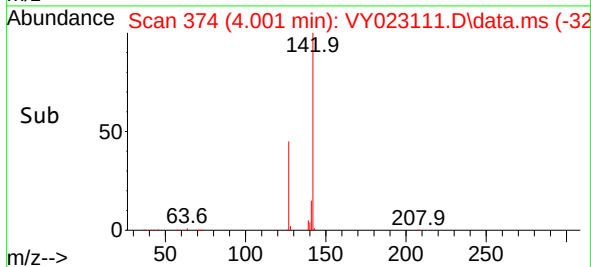
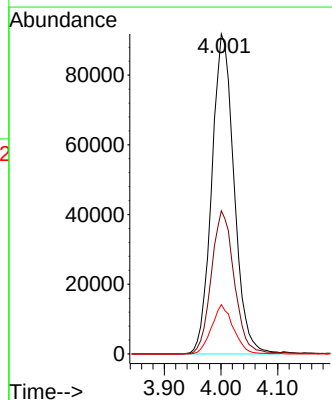
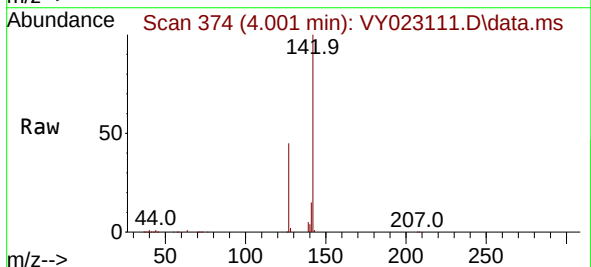
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

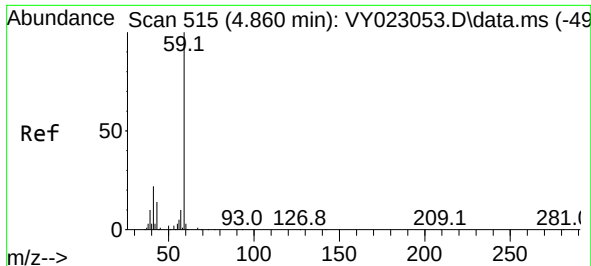
Tgt Ion:101 Resp: 214906
Ion Ratio Lower Upper
101 100
85 46.1 36.3 54.5
151 75.4 61.5 92.3



#10
Methyl Iodide
Concen: 53.482 ug/l
RT: 4.001 min Scan# 374
Delta R.T. 0.006 min
Lab File: VY023111.D
Acq: 15 Aug 2025 08:39

Tgt Ion:142 Resp: 251096
Ion Ratio Lower Upper
142 100
127 46.2 34.9 52.3
141 15.0 11.3 16.9

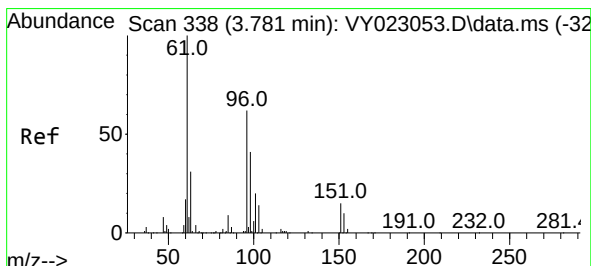
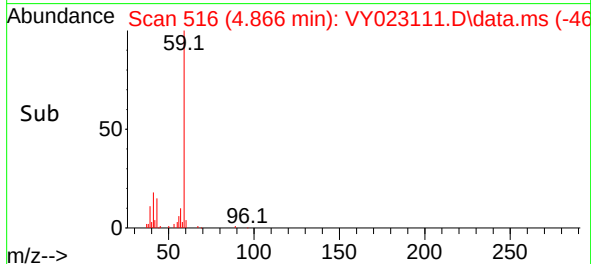
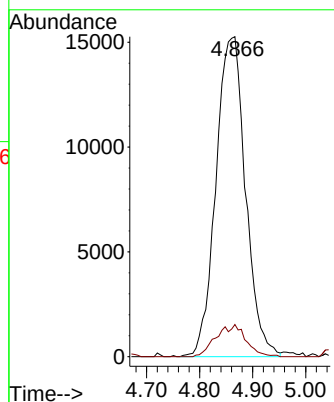
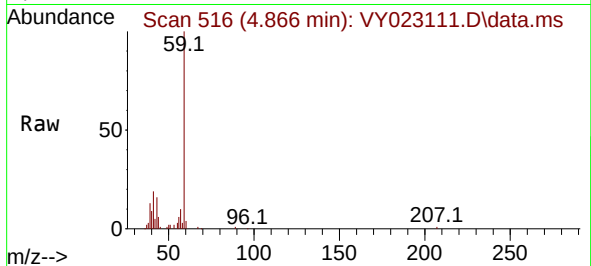




#11
Tert butyl alcohol
Concen: 204.058 ug/l
RT: 4.866 min Scan# 51
Delta R.T. 0.006 min
Lab File: VY023111.D
Acq: 15 Aug 2025 08:39

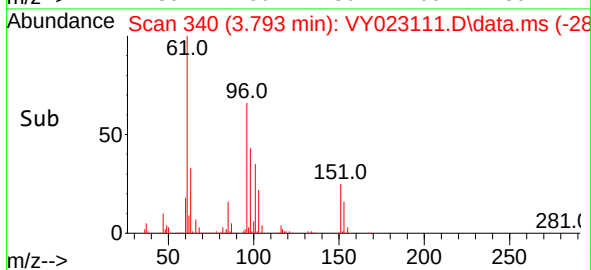
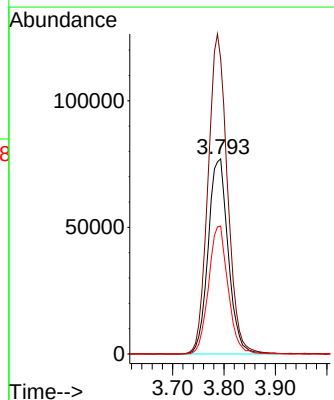
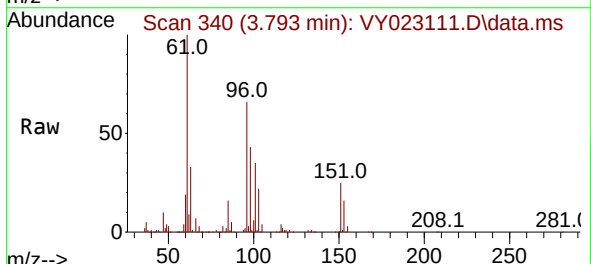
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

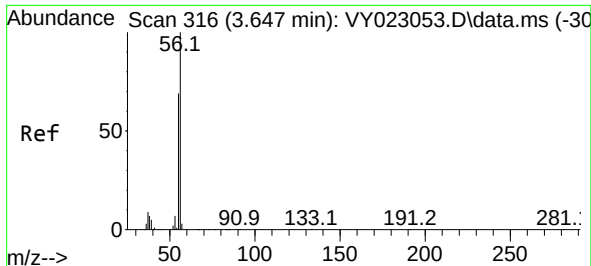
Tgt Ion: 59 Resp: 59139
Ion Ratio Lower Upper
59 100
57 4.9 8.6 13.0#



#12
1,1-Dichloroethene
Concen: 48.899 ug/l
RT: 3.793 min Scan# 340
Delta R.T. 0.012 min
Lab File: VY023111.D
Acq: 15 Aug 2025 08:39

Tgt Ion: 96 Resp: 209124
Ion Ratio Lower Upper
96 100
61 151.1 129.4 194.2
98 65.5 52.8 79.2

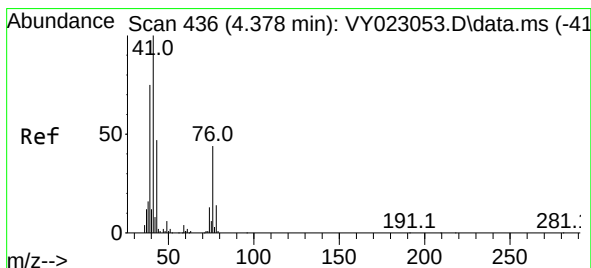
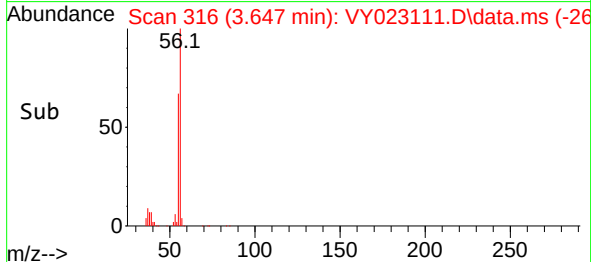
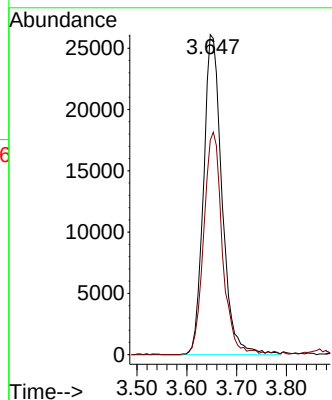
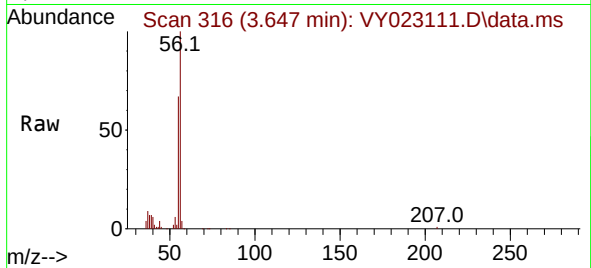




#13
Acrolein
Concen: 158.141 ug/l
RT: 3.647 min Scan# 316
Delta R.T. 0.000 min
Lab File: VY023111.D
Acq: 15 Aug 2025 08:39

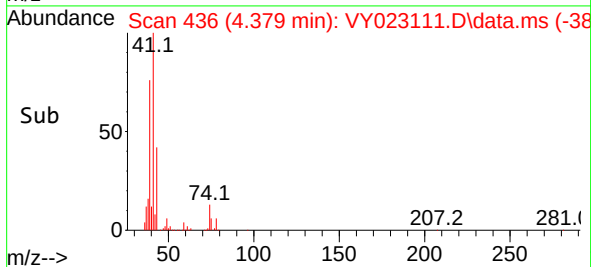
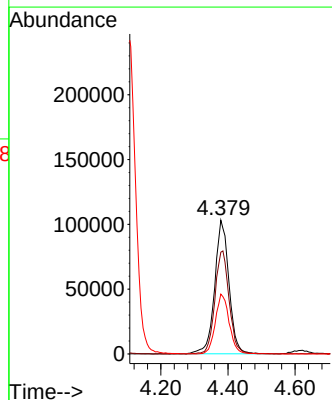
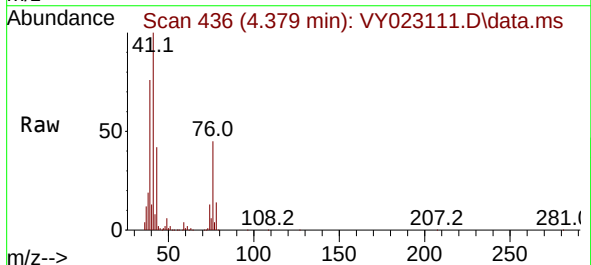
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

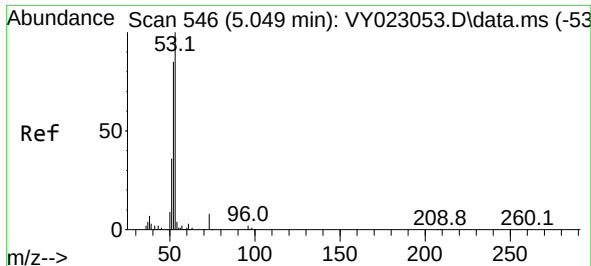
Tgt Ion: 56 Resp: 67121
Ion Ratio Lower Upper
56 100
55 70.1 55.2 82.8



#14
Allyl chloride
Concen: 48.583 ug/l
RT: 4.379 min Scan# 436
Delta R.T. 0.000 min
Lab File: VY023111.D
Acq: 15 Aug 2025 08:39

Tgt Ion: 41 Resp: 305726
Ion Ratio Lower Upper
41 100
39 76.2 59.8 89.6
76 43.2 33.7 50.5

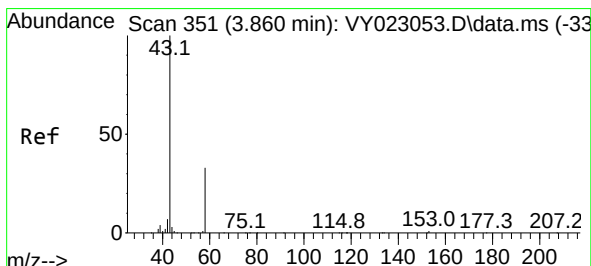
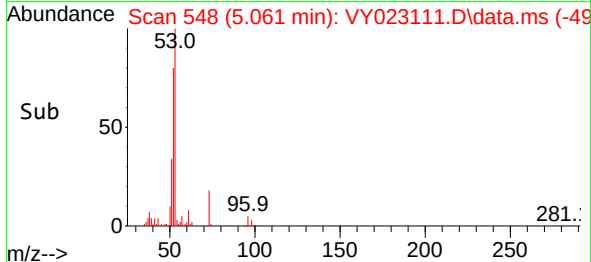
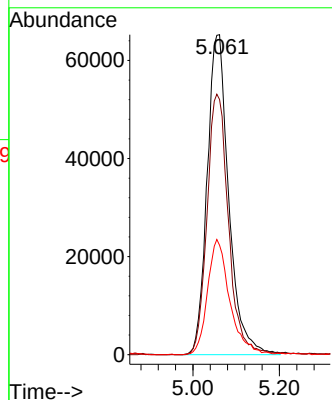
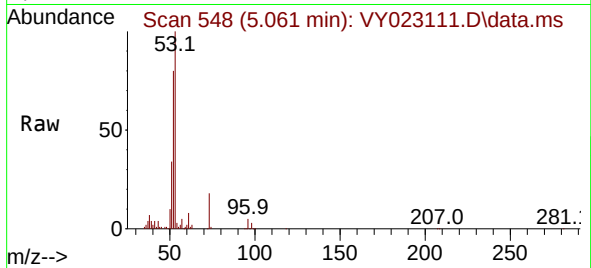




#15
Acrylonitrile
Concen: 238.524 ug/l
RT: 5.061 min Scan# 54
Delta R.T. 0.012 min
Lab File: VY023111.D
Acq: 15 Aug 2025 08:39

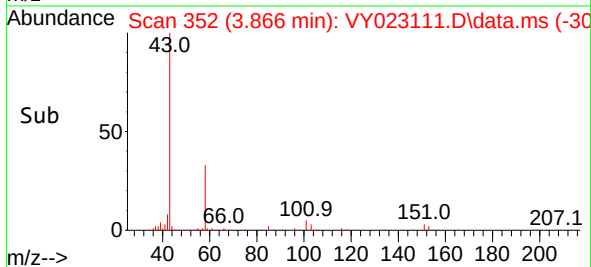
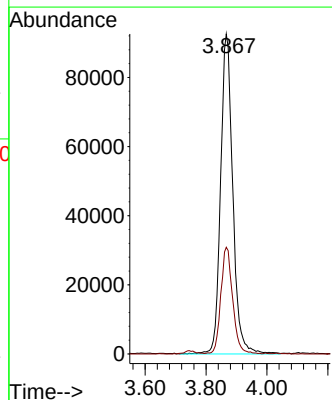
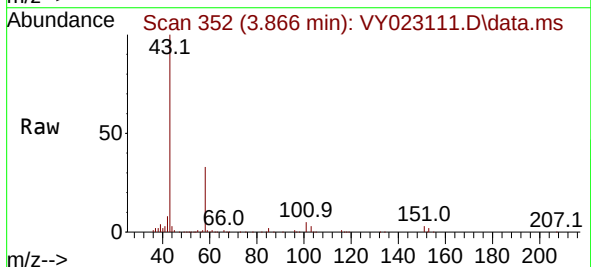
Instrument :
MSVOA_Y
ClientSampleId :
VSTDC050

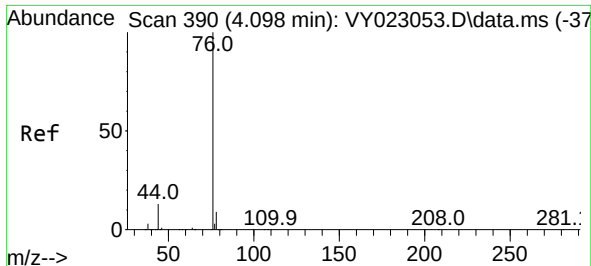
Tgt Ion: 53 Resp: 226259
Ion Ratio Lower Upper
53 100
52 80.6 65.3 97.9
51 37.1 29.5 44.3



#16
Acetone
Concen: 280.645 ug/l
RT: 3.866 min Scan# 352
Delta R.T. 0.006 min
Lab File: VY023111.D
Acq: 15 Aug 2025 08:39

Tgt Ion: 43 Resp: 257167
Ion Ratio Lower Upper
43 100
58 33.3 27.1 40.7

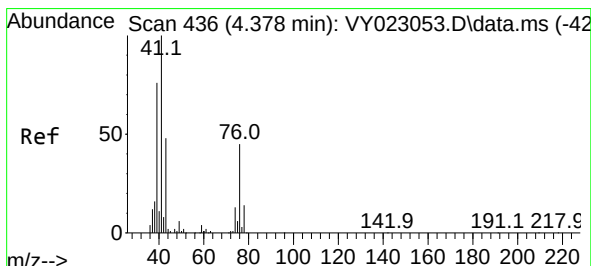
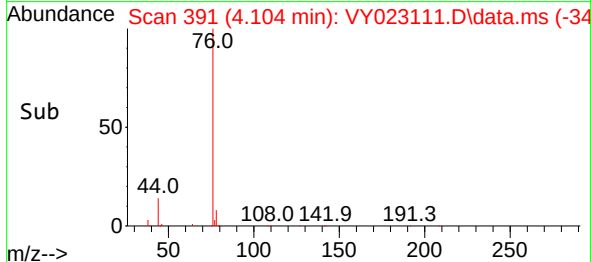
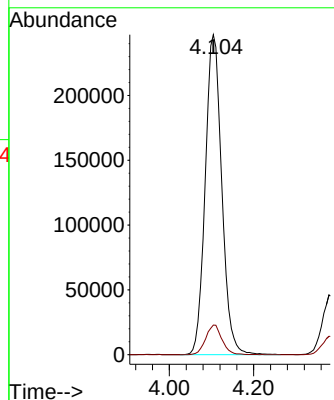
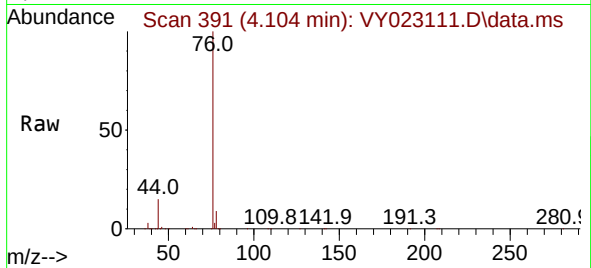




#17
Carbon Disulfide
Concen: 48.375 ug/l
RT: 4.104 min Scan# 391
Delta R.T. 0.006 min
Lab File: VY023111.D
Acq: 15 Aug 2025 08:39

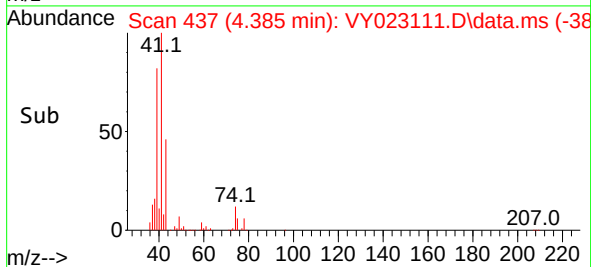
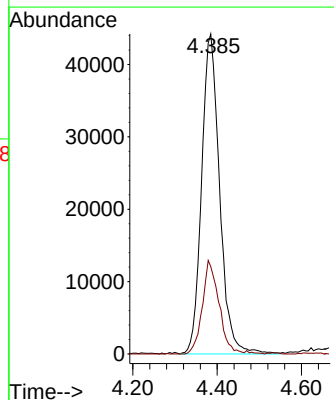
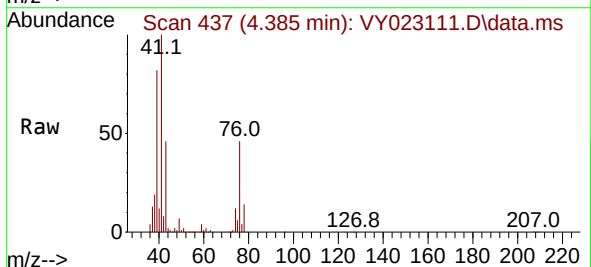
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

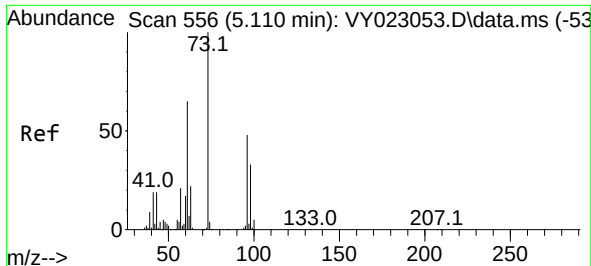
Tgt Ion: 76 Resp: 674565
Ion Ratio Lower Upper
76 100
78 9.2 7.4 11.2



#18
Methyl Acetate
Concen: 48.336 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.006 min
Lab File: VY023111.D
Acq: 15 Aug 2025 08:39

Tgt Ion: 43 Resp: 131808
Ion Ratio Lower Upper
43 100
74 26.9 21.2 31.8

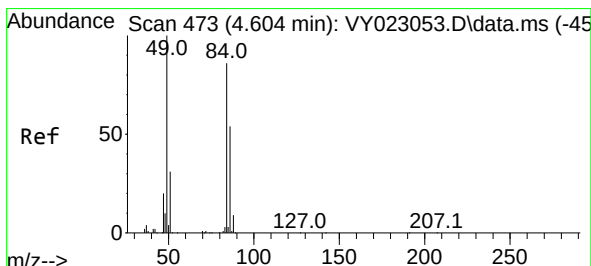
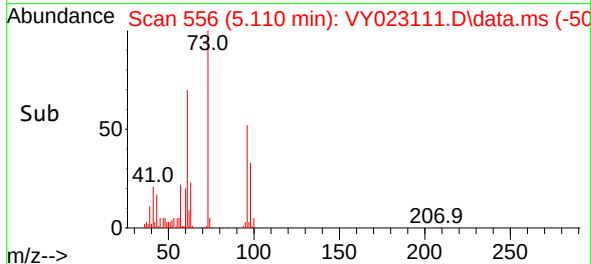
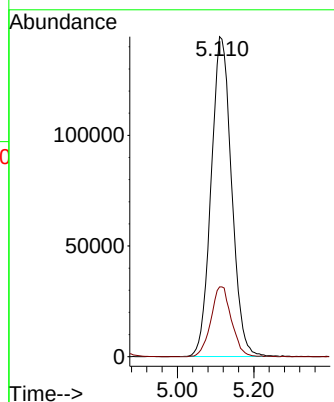
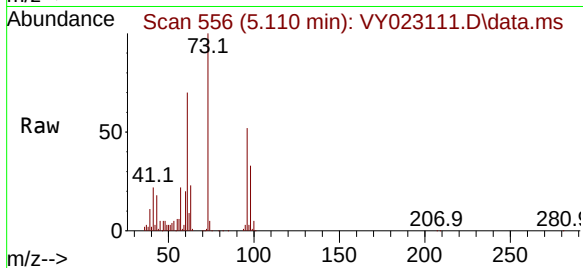




#19
Methyl tert-butyl Ether
Concen: 48.411 ug/l
RT: 5.110 min Scan# 51
Delta R.T. 0.000 min
Lab File: VY023111.D
Acq: 15 Aug 2025 08:39

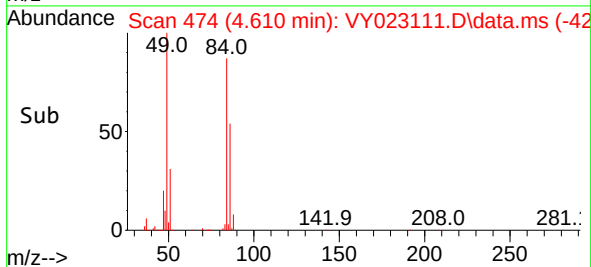
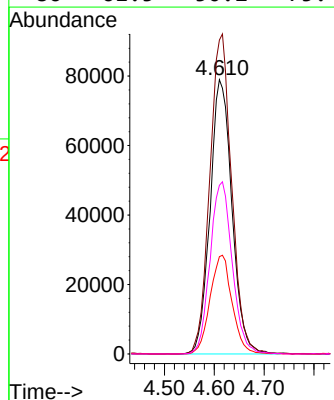
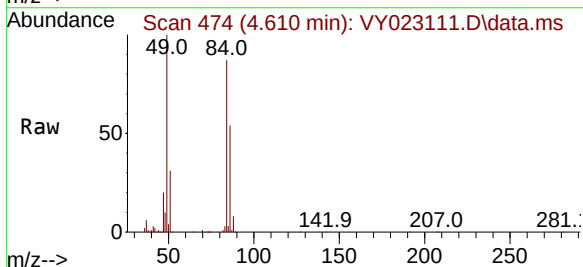
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

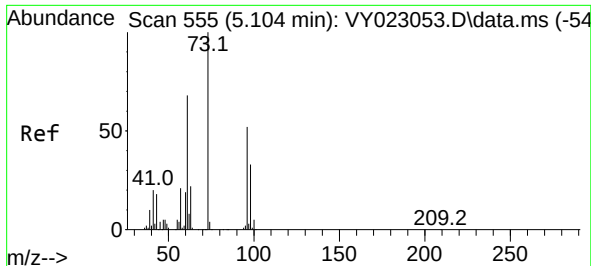
Tgt Ion: 73 Resp: 536488
Ion Ratio Lower Upper
73 100
57 21.8 17.1 25.7



#20
Methylene Chloride
Concen: 50.654 ug/l
RT: 4.610 min Scan# 474
Delta R.T. 0.006 min
Lab File: VY023111.D
Acq: 15 Aug 2025 08:39

Tgt Ion: 84 Resp: 241025
Ion Ratio Lower Upper
84 100
49 114.5 93.0 139.6
51 35.4 29.0 43.4
86 61.5 50.2 75.4

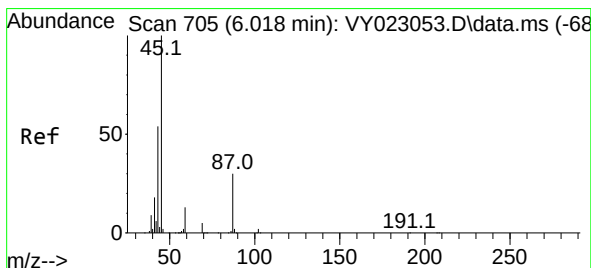
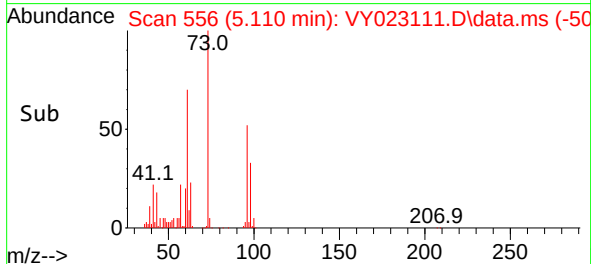
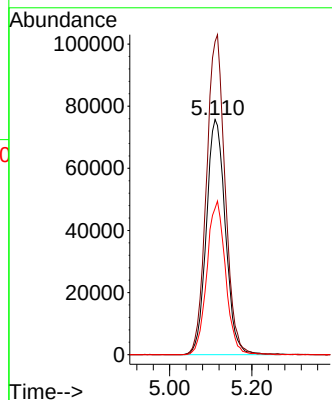
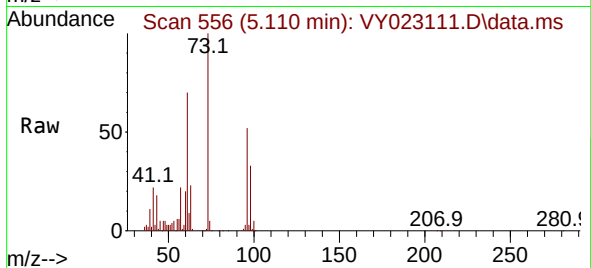




#21
trans-1,2-Dichloroethene
Concen: 50.676 ug/l
RT: 5.110 min Scan# 51
Delta R.T. 0.006 min
Lab File: VY023111.D
Acq: 15 Aug 2025 08:39

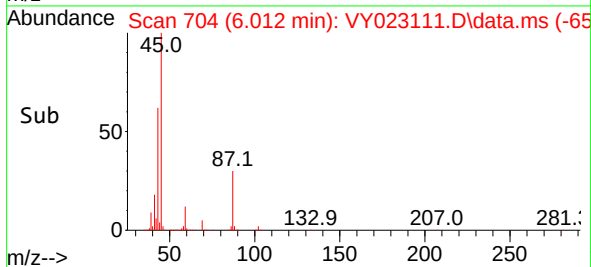
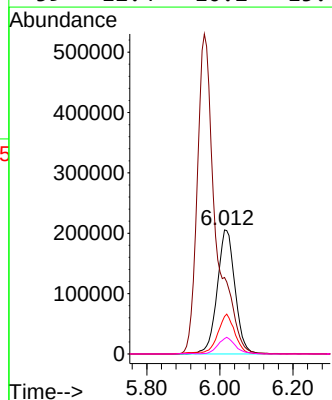
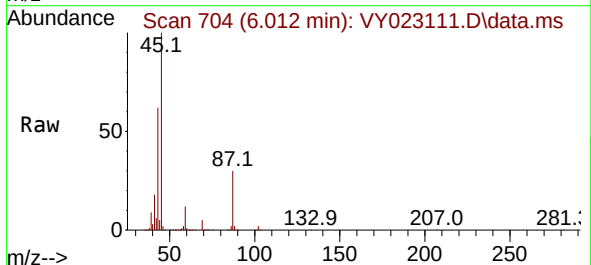
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

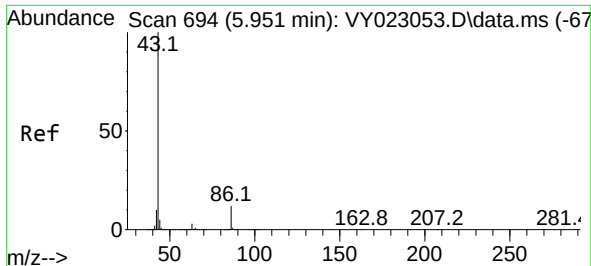
Tgt Ion: 96 Resp: 243549
Ion Ratio Lower Upper
96 100
61 133.1 104.8 157.2
98 62.2 50.1 75.1



#22
Diisopropyl ether
Concen: 50.954 ug/l
RT: 6.012 min Scan# 704
Delta R.T. -0.006 min
Lab File: VY023111.D
Acq: 15 Aug 2025 08:39

Tgt Ion: 45 Resp: 696767
Ion Ratio Lower Upper
45 100
43 61.4 43.4 65.0
87 30.2 24.4 36.6
59 12.4 10.2 15.4

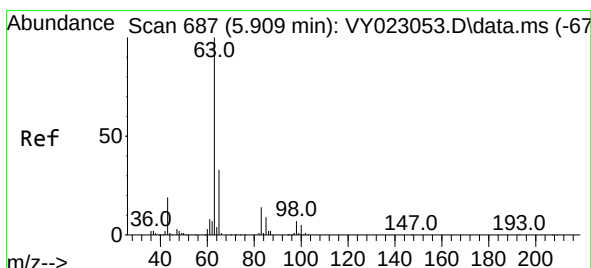
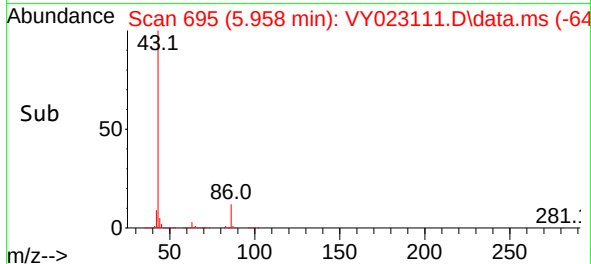
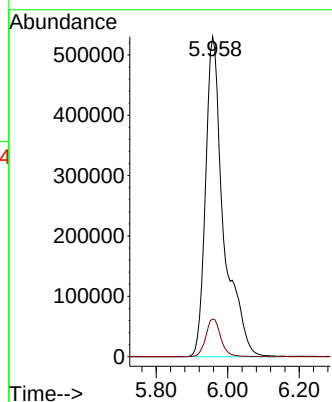
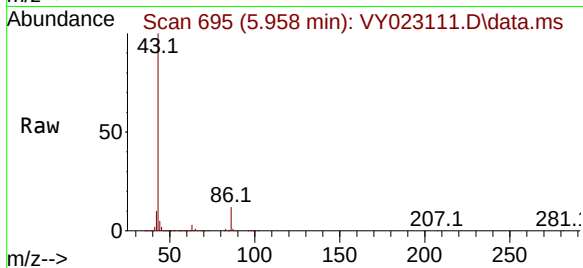




#23
 Vinyl Acetate
 Concen: 245.935 ug/l
 RT: 5.958 min Scan# 61
 Delta R.T. 0.006 min
 Lab File: VY023111.D
 Acq: 15 Aug 2025 08:39

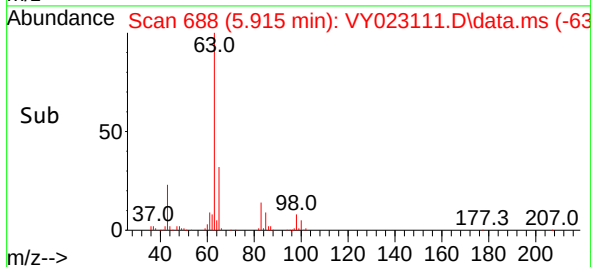
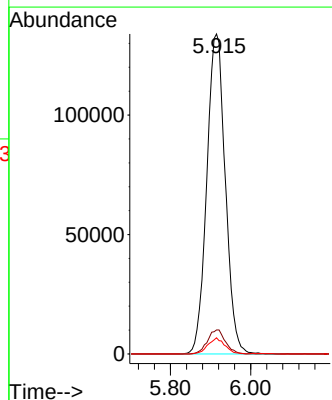
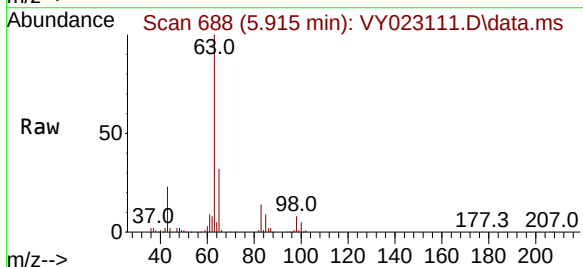
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

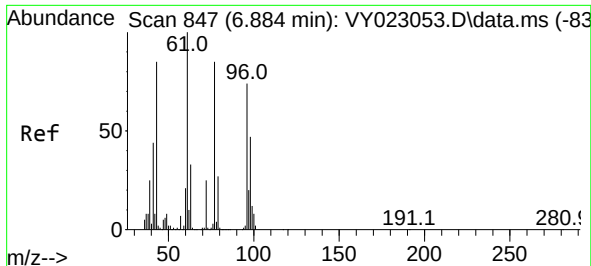
Tgt Ion: 43 Resp: 1859565
 Ion Ratio Lower Upper
 43 100
 86 11.7 9.6 14.4



#24
 1,1-Dichloroethane
 Concen: 51.394 ug/l
 RT: 5.915 min Scan# 688
 Delta R.T. 0.006 min
 Lab File: VY023111.D
 Acq: 15 Aug 2025 08:39

Tgt Ion: 63 Resp: 429668
 Ion Ratio Lower Upper
 63 100
 98 7.5 3.5 10.6
 100 5.1 2.4 7.1

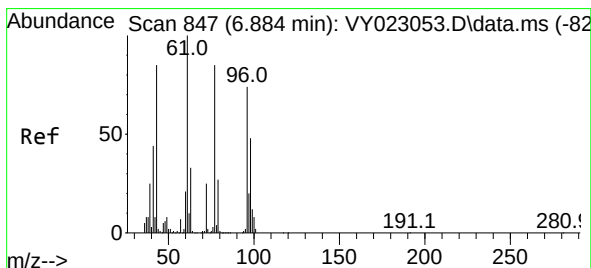
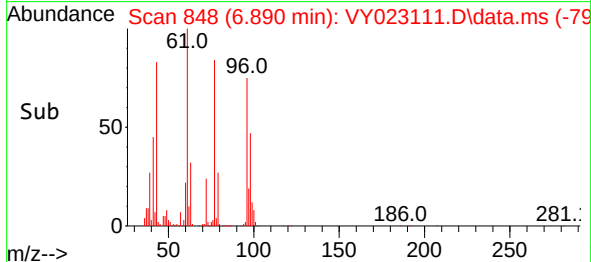
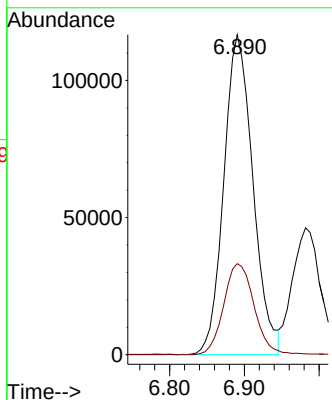
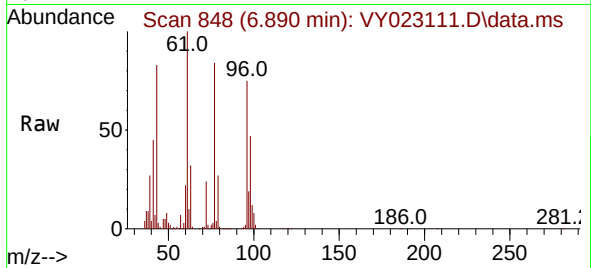




#25
2-Butanone
Concen: 253.961 ug/l
RT: 6.890 min Scan# 847
Delta R.T. 0.006 min
Lab File: VY023111.D
Acq: 15 Aug 2025 08:39

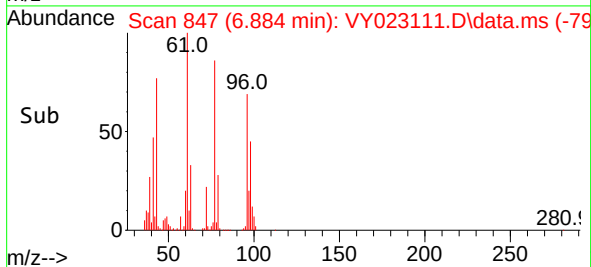
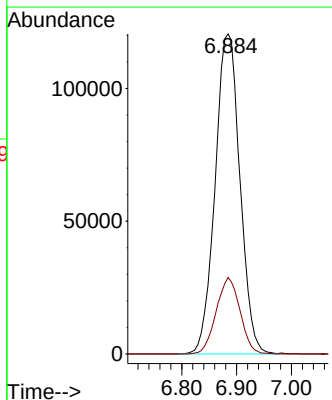
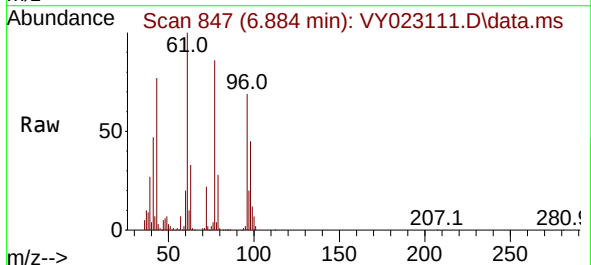
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

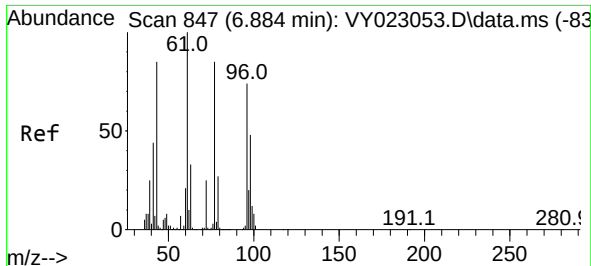
Tgt Ion: 43 Resp: 316503
Ion Ratio Lower Upper
43 100
72 28.4 23.5 35.3



#26
2,2-Dichloropropane
Concen: 52.538 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY023111.D
Acq: 15 Aug 2025 08:39

Tgt Ion: 77 Resp: 379004
Ion Ratio Lower Upper
77 100
97 22.9 11.6 34.8





#27

cis-1,2-Dichloroethene

Concen: 51.356 ug/l

RT: 6.890 min Scan# 847

Delta R.T. 0.006 min

Lab File: VY023111.D

Acq: 15 Aug 2025 08:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

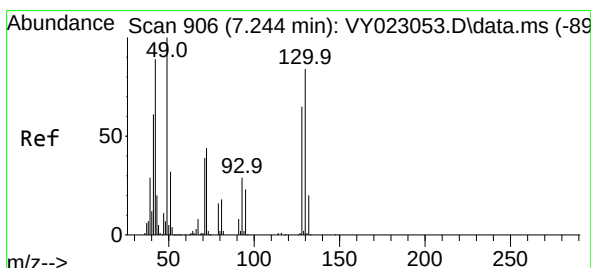
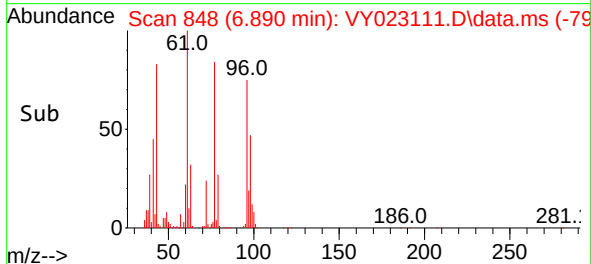
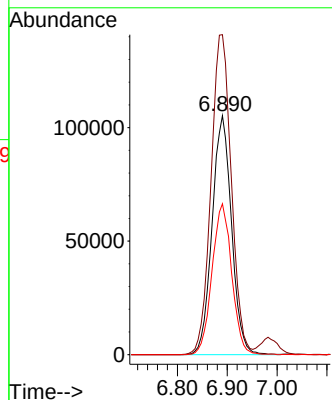
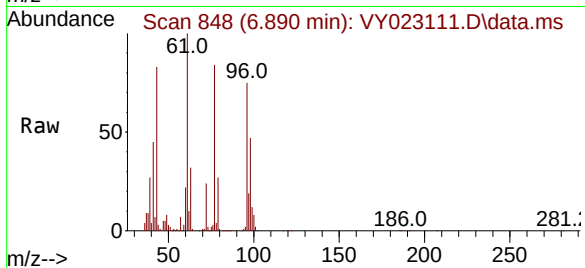
Tgt Ion: 96 Resp: 285339

Ion Ratio Lower Upper

96 100

61 139.9 0.0 278.6

98 63.8 0.0 130.4



#28

Bromochloromethane

Concen: 52.898 ug/l

RT: 7.244 min Scan# 906

Delta R.T. 0.000 min

Lab File: VY023111.D

Acq: 15 Aug 2025 08:39

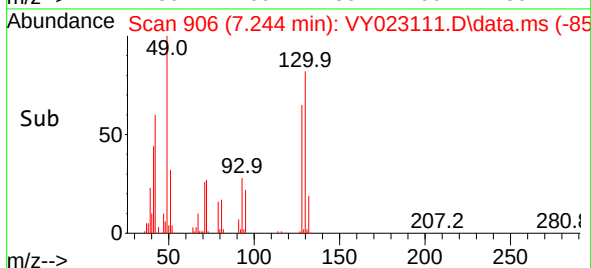
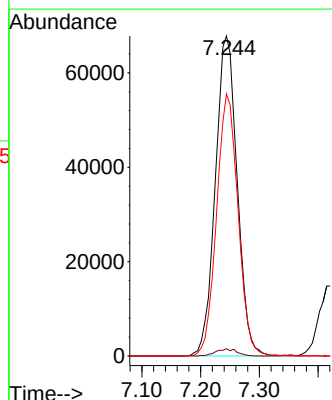
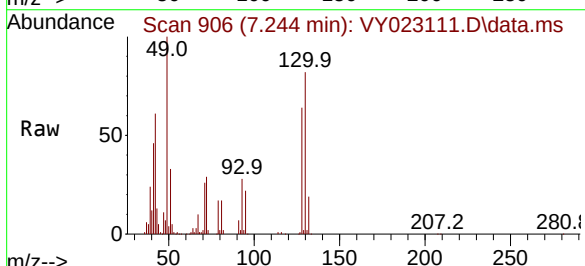
Tgt Ion: 49 Resp: 175456

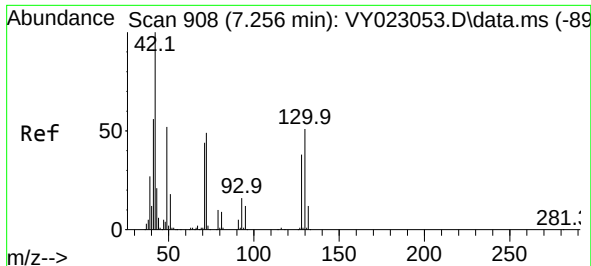
Ion Ratio Lower Upper

49 100

129 2.1 0.0 4.2

130 80.4 66.4 99.6





#29

Tetrahydrofuran

Concen: 237.044 ug/l

RT: 7.262 min Scan# 908

Delta R.T. 0.006 min

Lab File: VY023111.D

Acq: 15 Aug 2025 08:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

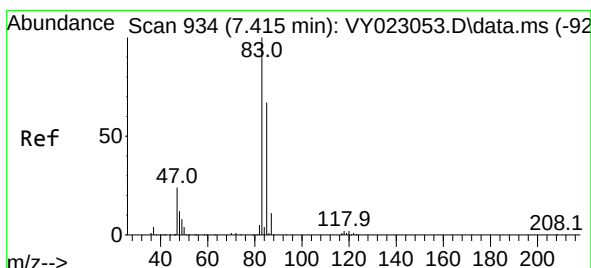
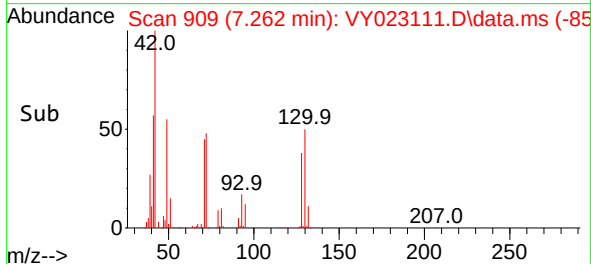
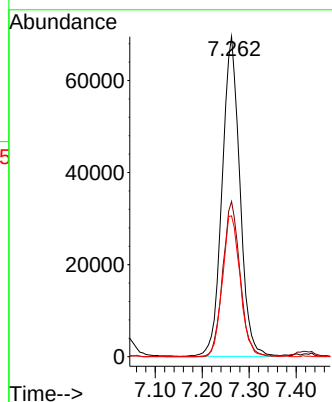
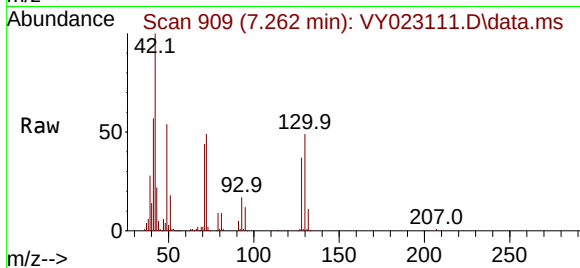
Tgt Ion: 42 Resp: 183118

Ion Ratio Lower Upper

42 100

72 47.4 39.4 59.2

71 44.2 36.5 54.7



#30

Chloroform

Concen: 52.336 ug/l

RT: 7.421 min Scan# 935

Delta R.T. 0.006 min

Lab File: VY023111.D

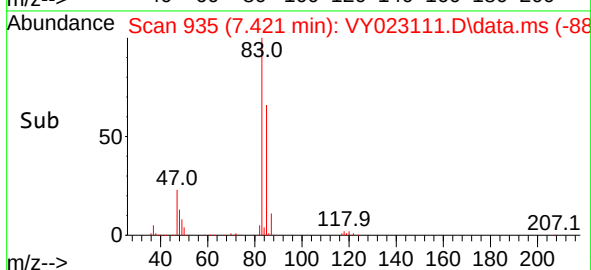
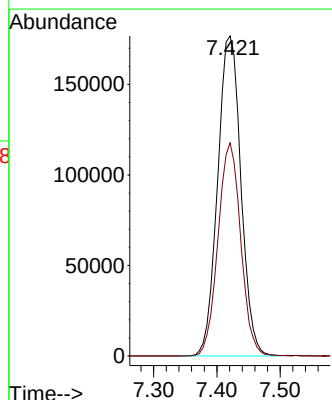
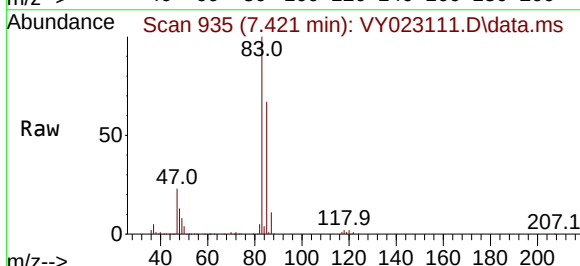
Acq: 15 Aug 2025 08:39

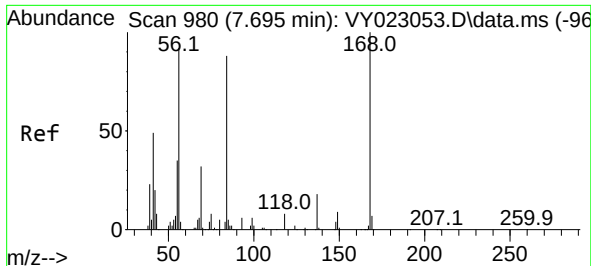
Tgt Ion: 83 Resp: 451255

Ion Ratio Lower Upper

83 100

85 66.6 53.8 80.8

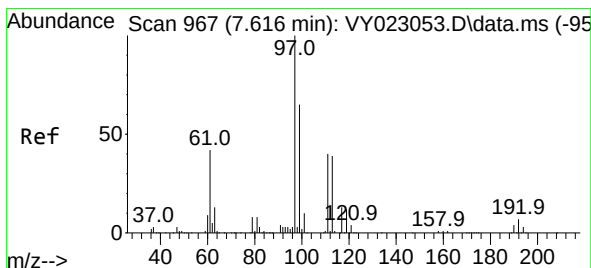
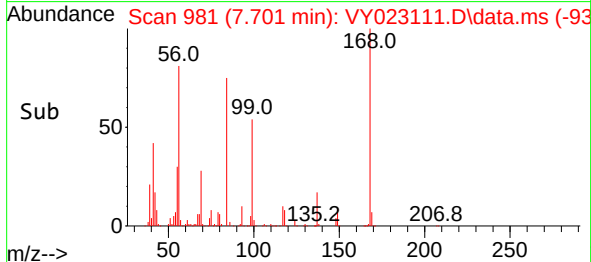
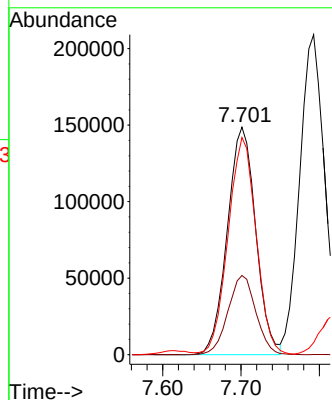
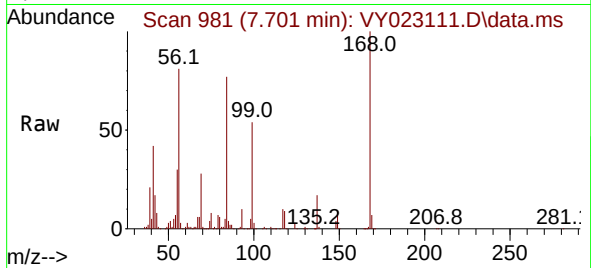




#31
Cyclohexane
Concen: 47.613 ug/l
RT: 7.701 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY023111.D
Acq: 15 Aug 2025 08:39

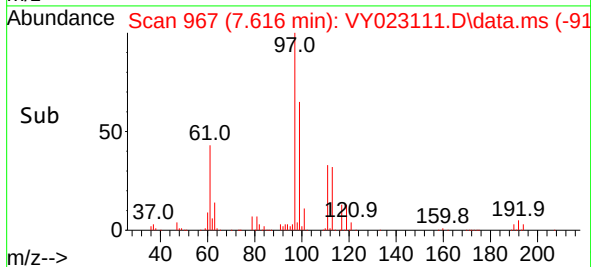
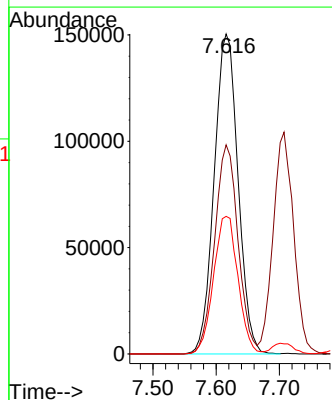
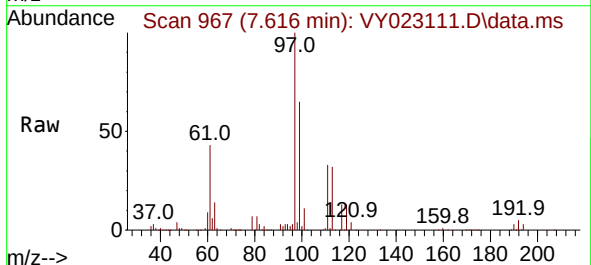
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

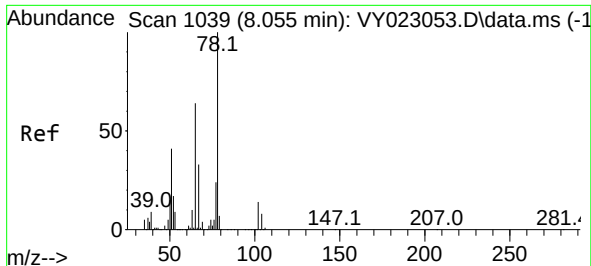
Tgt Ion: 56 Resp: 375108
Ion Ratio Lower Upper
56 100
69 34.8 28.2 42.2
84 94.0 76.6 114.8



#32
1,1,1-Trichloroethane
Concen: 51.507 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY023111.D
Acq: 15 Aug 2025 08:39

Tgt Ion: 97 Resp: 394056
Ion Ratio Lower Upper
97 100
99 64.2 51.6 77.4
61 44.1 34.2 51.2





#33

1,2-Dichloroethane-d4

Concen: 50.349 ug/l

RT: 8.061 min Scan# 1109

Delta R.T. 0.006 min

Lab File: VY023111.D

Acq: 15 Aug 2025 08:39

Instrument :

MSVOA_Y

ClientSampleId :

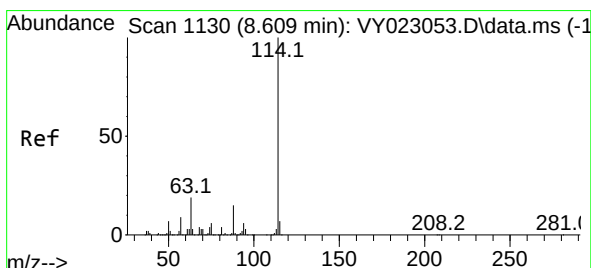
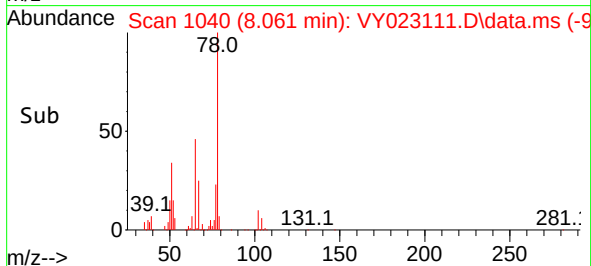
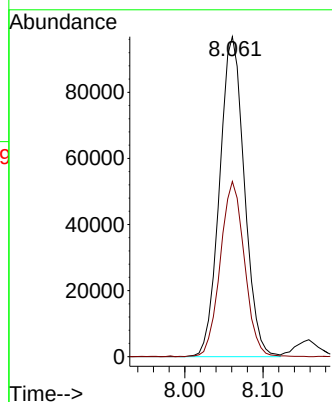
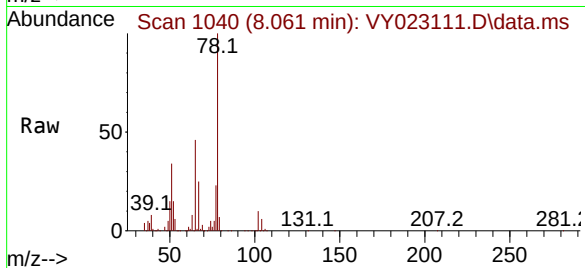
VSTDCCC050

Tgt Ion: 65 Resp: 212960

Ion Ratio Lower Upper

65 100

67 53.4 0.0 106.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.006 min

Lab File: VY023111.D

Acq: 15 Aug 2025 08:39

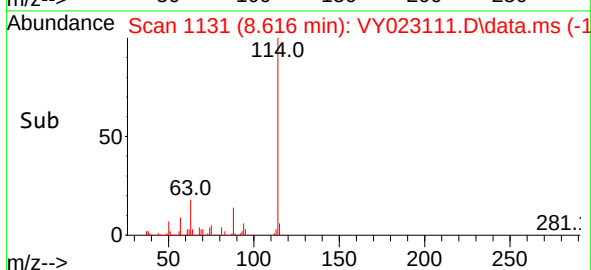
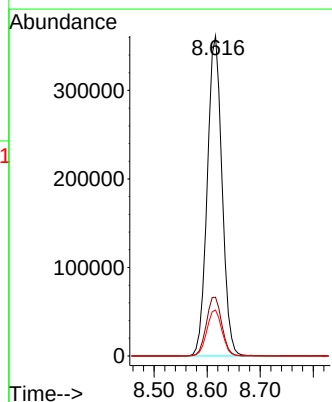
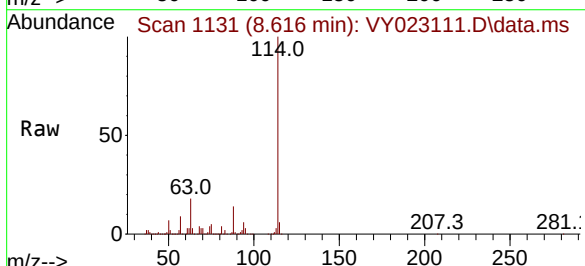
Tgt Ion: 114 Resp: 696916

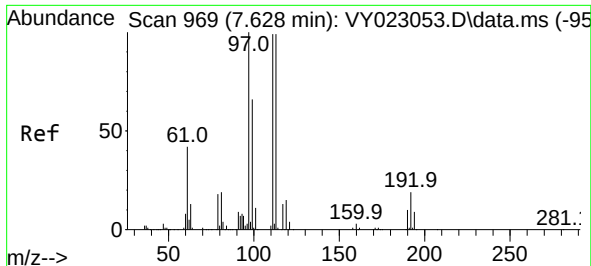
Ion Ratio Lower Upper

114 100

63 18.3 0.0 38.4

88 14.4 0.0 30.0

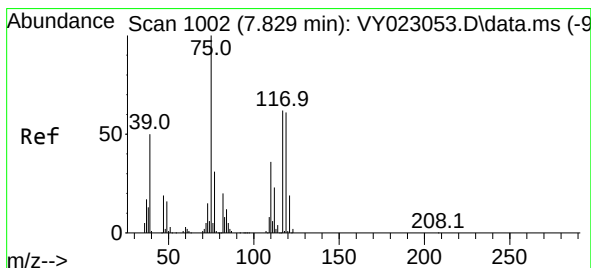
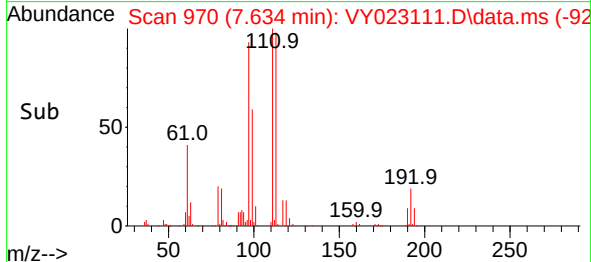
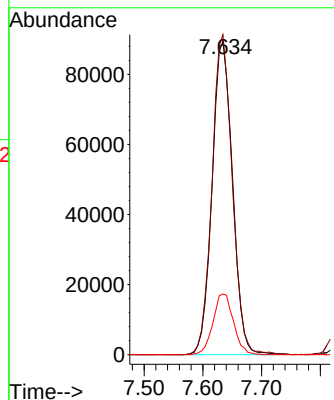
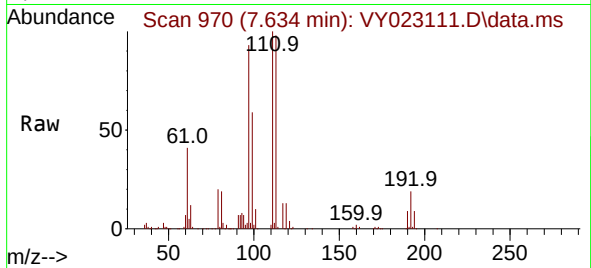




#35
Dibromofluoromethane
Concen: 51.722 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023111.D
Acq: 15 Aug 2025 08:39

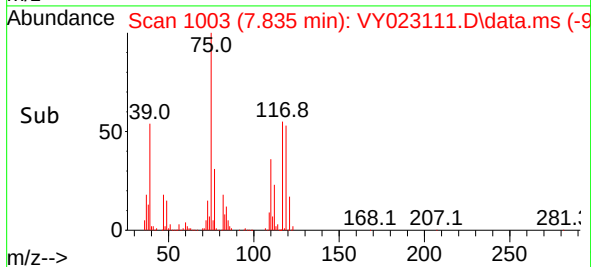
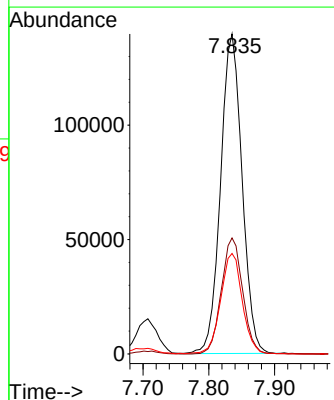
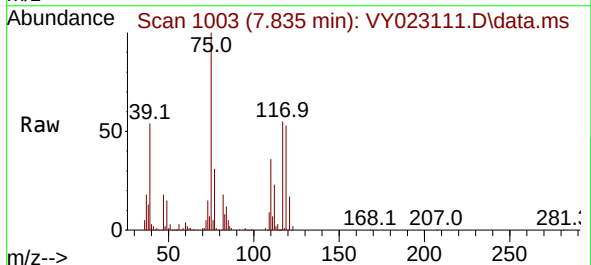
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

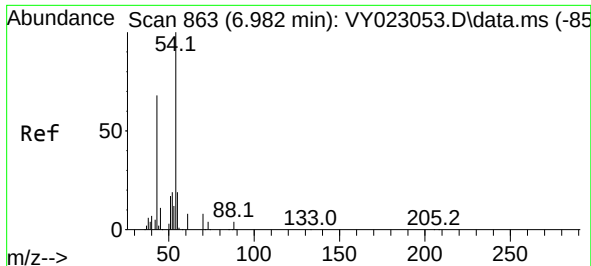
Tgt Ion:113 Resp: 215688
Ion Ratio Lower Upper
113 100
111 101.7 81.1 121.7
192 19.4 16.2 24.4



#36
1,1-Dichloropropene
Concen: 51.245 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.006 min
Lab File: VY023111.D
Acq: 15 Aug 2025 08:39

Tgt Ion: 75 Resp: 317586
Ion Ratio Lower Upper
75 100
110 36.0 18.1 54.4
77 31.8 24.6 37.0





#37

Ethyl Acetate

Concen: 48.201 ug/l

RT: 6.982 min Scan# 80

Delta R.T. 0.000 min

Lab File: VY023111.D

Acq: 15 Aug 2025 08:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

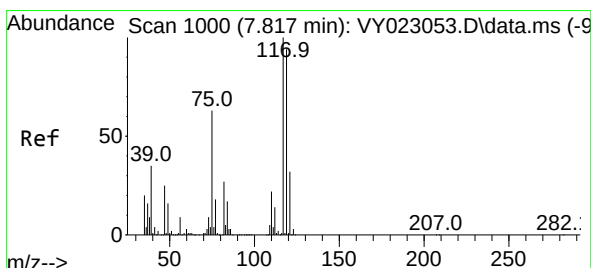
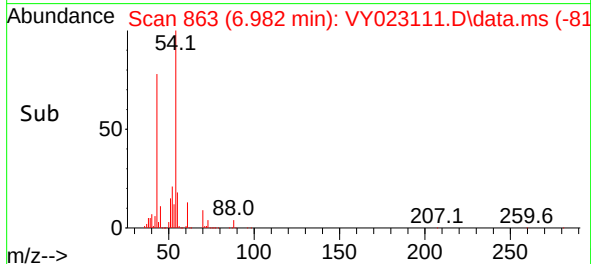
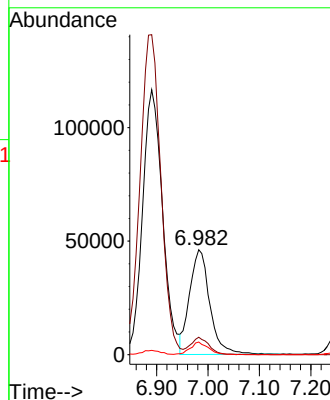
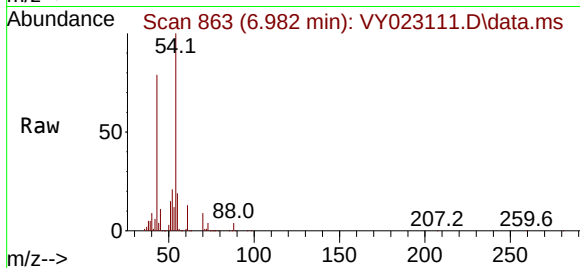
Tgt Ion: 43 Resp: 125483

Ion Ratio Lower Upper

43 100

61 14.8 11.9 17.9

70 10.8 8.8 13.2



#38

Carbon Tetrachloride

Concen: 52.395 ug/l

RT: 7.817 min Scan# 1000

Delta R.T. 0.000 min

Lab File: VY023111.D

Acq: 15 Aug 2025 08:39

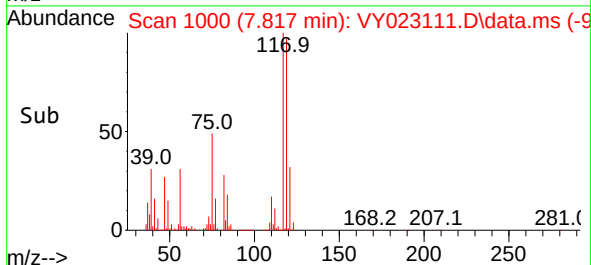
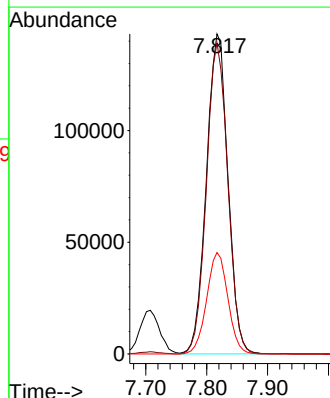
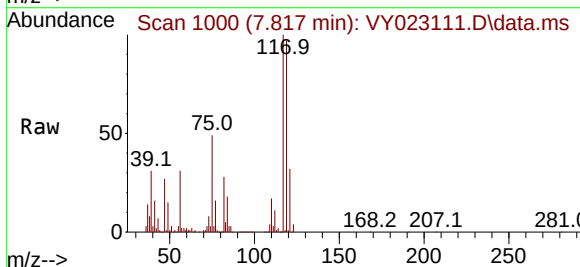
Tgt Ion: 117 Resp: 352681

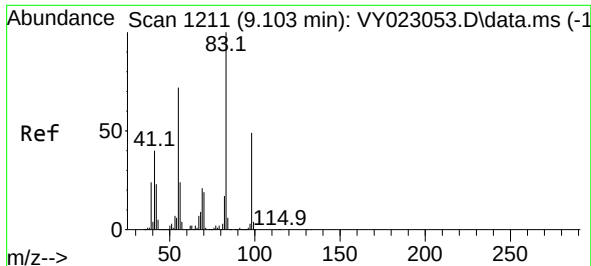
Ion Ratio Lower Upper

117 100

119 97.2 75.6 113.4

121 31.7 25.8 38.8





#39

Methylcyclohexane

Concen: 49.756 ug/l

RT: 9.109 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023111.D

Acq: 15 Aug 2025 08:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

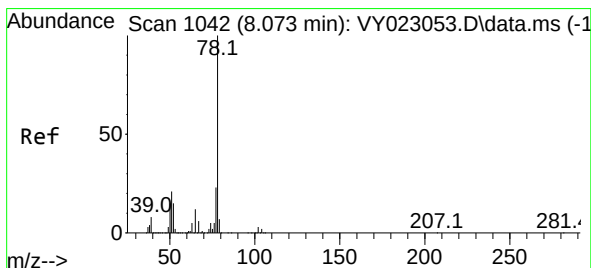
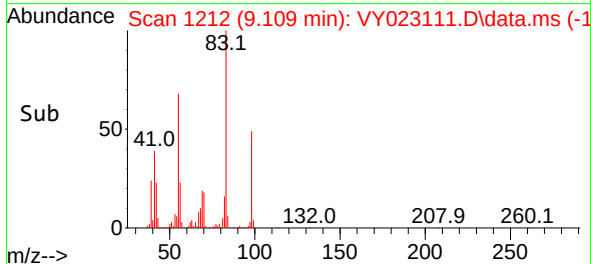
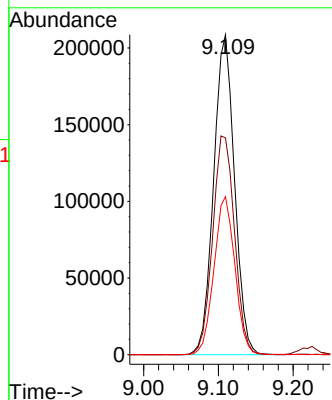
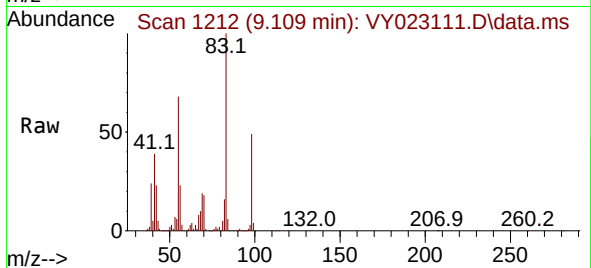
Tgt Ion: 83 Resp: 406063

Ion Ratio Lower Upper

83 100

55 67.7 57.6 86.4

98 49.4 39.2 58.8



#40

Benzene

Concen: 53.099 ug/l

RT: 8.079 min Scan# 1043

Delta R.T. 0.006 min

Lab File: VY023111.D

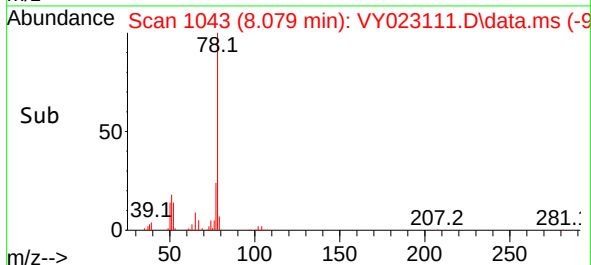
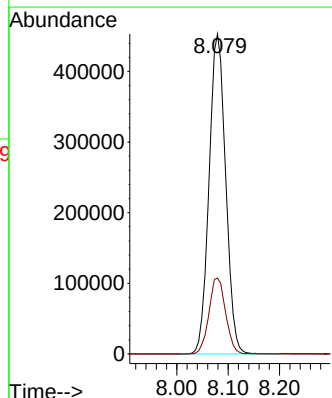
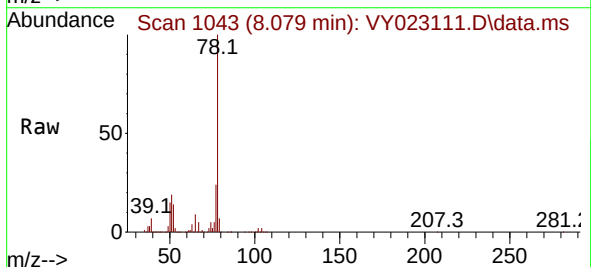
Acq: 15 Aug 2025 08:39

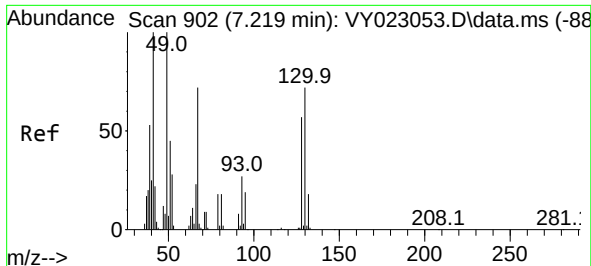
Tgt Ion: 78 Resp: 1014264

Ion Ratio Lower Upper

78 100

77 23.7 18.6 28.0

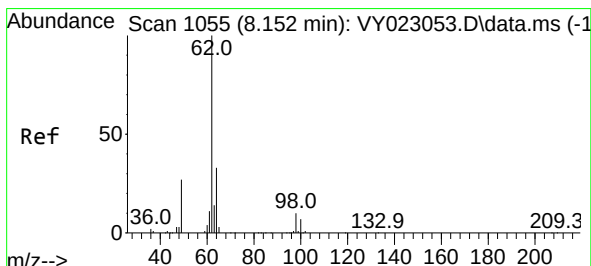
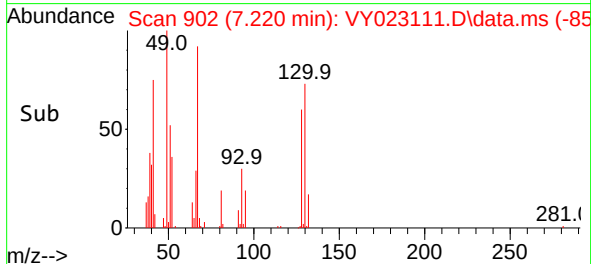
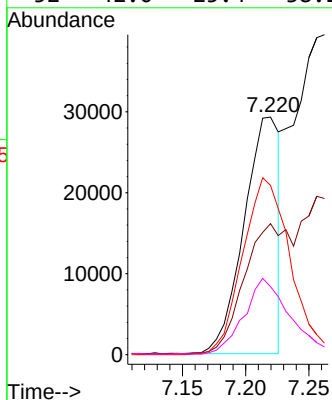
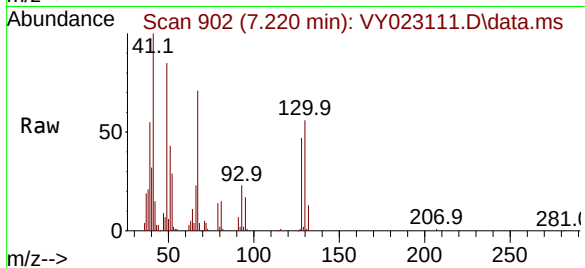




#41
Methacrylonitrile
Concen: 37.881 ug/l
RT: 7.220 min Scan# 90
Delta R.T. 0.000 min
Lab File: VY023111.D
Acq: 15 Aug 2025 08:39

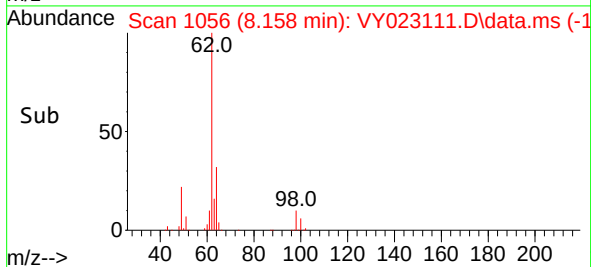
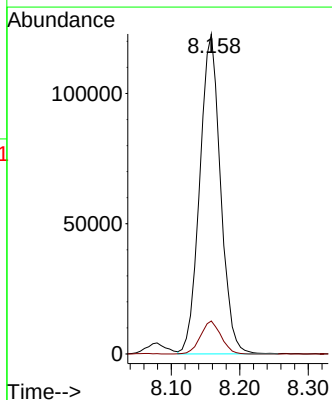
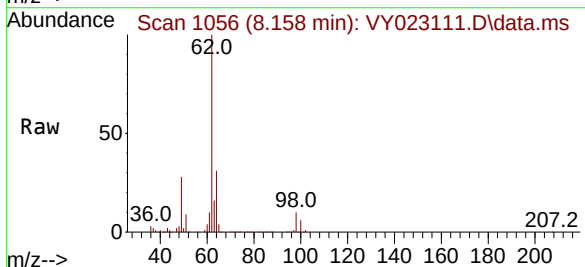
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

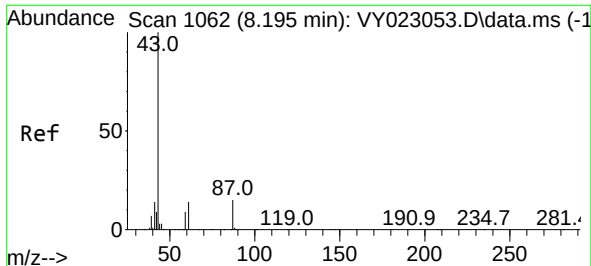
Tgt Ion:	41	Resp:	56915
Ion	Ratio	Lower	Upper
41	100		
39	73.3	43.4	65.2#
67	102.6	63.6	95.4#
52	42.0	25.4	38.2#



#42
1,2-Dichloroethane
Concen: 52.122 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VY023111.D
Acq: 15 Aug 2025 08:39

Tgt Ion:	62	Resp:	258937
Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	20.6

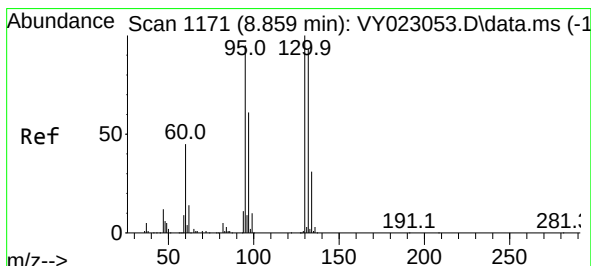
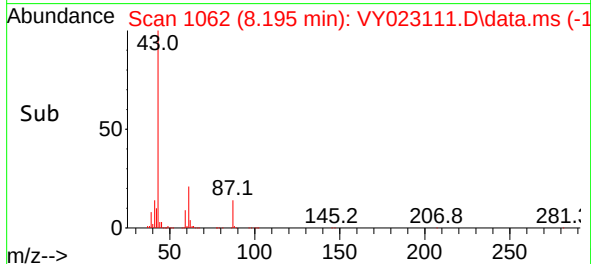
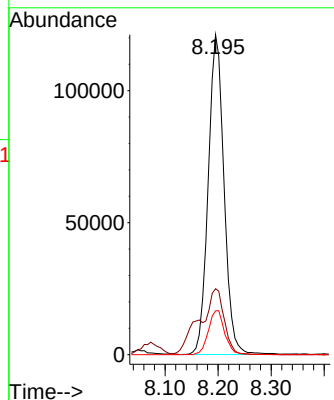
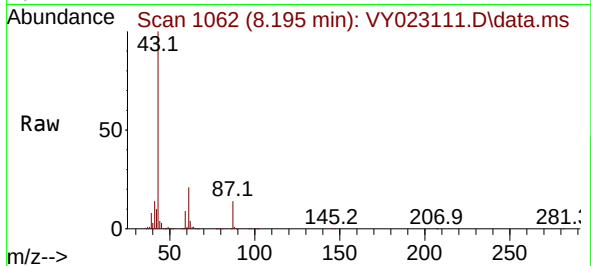




#43
Isopropyl Acetate
Concen: 47.653 ug/l
RT: 8.195 min Scan# 1062
Delta R.T. 0.000 min
Lab File: VY023111.D
Acq: 15 Aug 2025 08:39

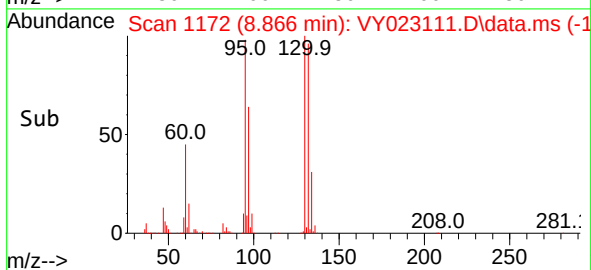
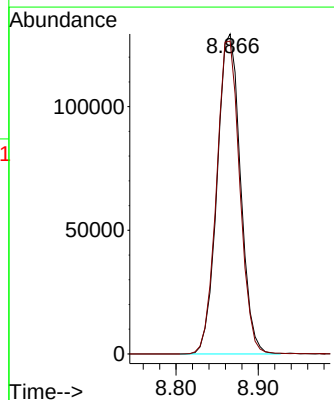
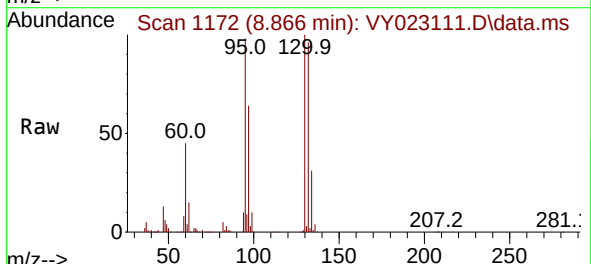
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

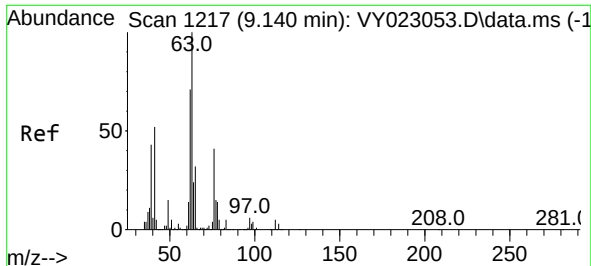
Tgt Ion: 43 Resp: 250740
Ion Ratio Lower Upper
43 100
61 31.8 16.4 24.6#
87 14.3 11.8 17.6



#44
Trichloroethene
Concen: 51.680 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. 0.006 min
Lab File: VY023111.D
Acq: 15 Aug 2025 08:39

Tgt Ion:130 Resp: 255103
Ion Ratio Lower Upper
130 100
95 97.8 0.0 190.2





#45

1,2-Dichloropropane

Concen: 53.160 ug/l

RT: 9.140 min Scan# 1217

Delta R.T. 0.000 min

Lab File: VY023111.D

Acq: 15 Aug 2025 08:39

Instrument :

MSVOA_Y

ClientSampleId :

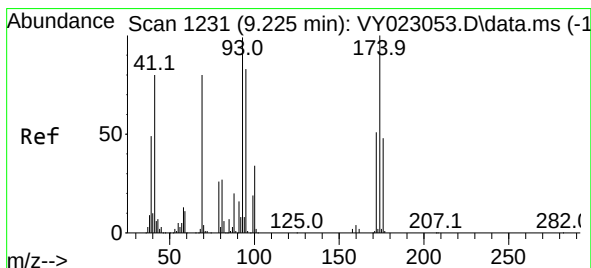
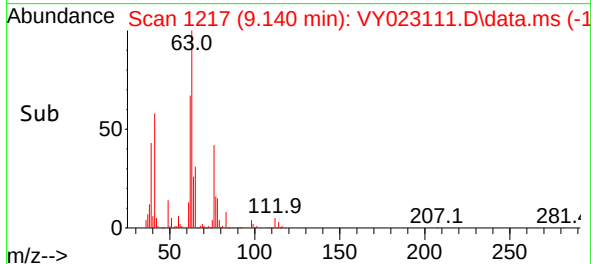
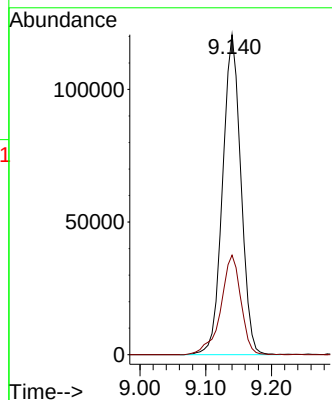
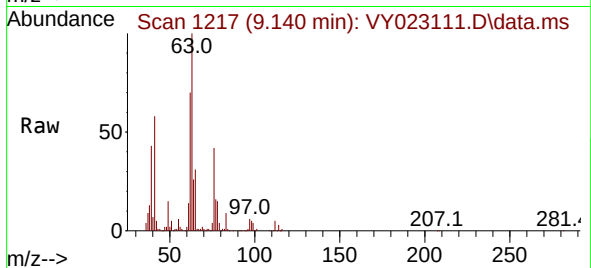
VSTDCCC050

Tgt Ion: 63 Resp: 233639

Ion Ratio Lower Upper

63 100

65 31.1 25.3 37.9



#46

Dibromomethane

Concen: 52.280 ug/l

RT: 9.225 min Scan# 1231

Delta R.T. 0.000 min

Lab File: VY023111.D

Acq: 15 Aug 2025 08:39

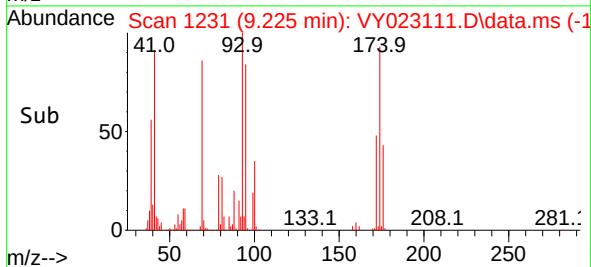
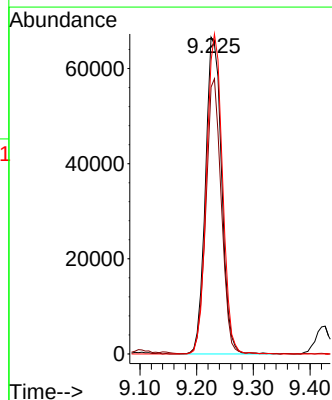
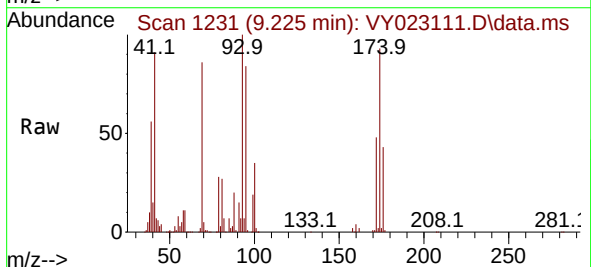
Tgt Ion: 93 Resp: 131880

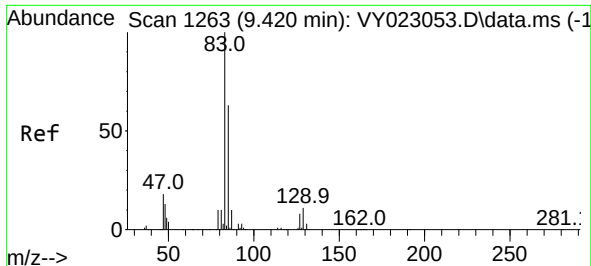
Ion Ratio Lower Upper

93 100

95 83.1 66.5 99.7

174 99.7 81.8 122.8





#47

Bromodichloromethane

Concen: 53.260 ug/l

RT: 9.420 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY023111.D

Acq: 15 Aug 2025 08:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

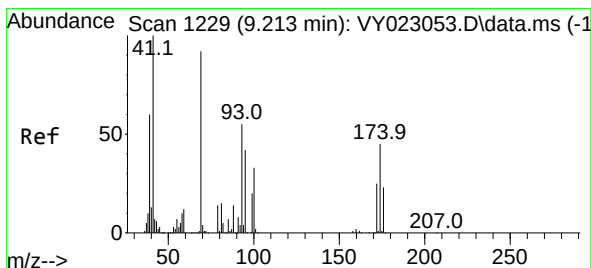
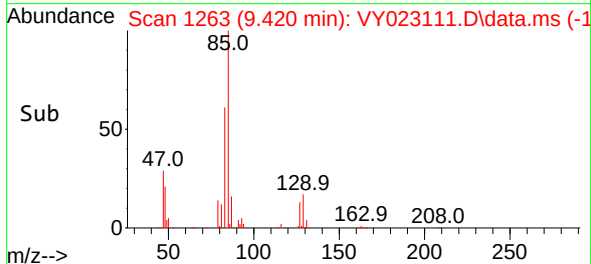
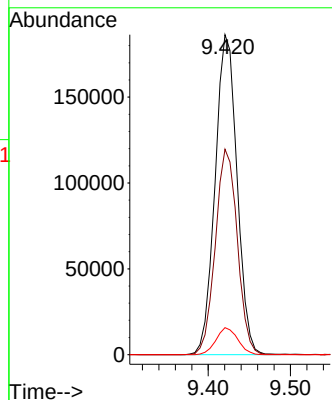
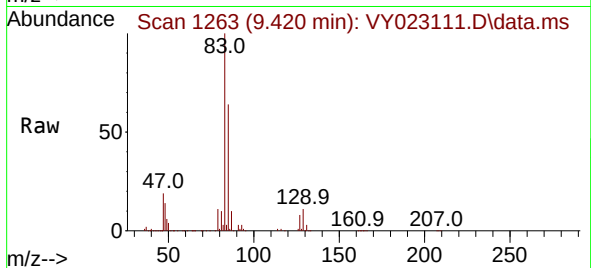
Tgt Ion: 83 Resp: 345709

Ion Ratio Lower Upper

83 100

85 64.2 50.2 75.4

127 8.4 6.6 10.0



#48

Methyl methacrylate

Concen: 48.387 ug/l

RT: 9.219 min Scan# 1230

Delta R.T. 0.006 min

Lab File: VY023111.D

Acq: 15 Aug 2025 08:39

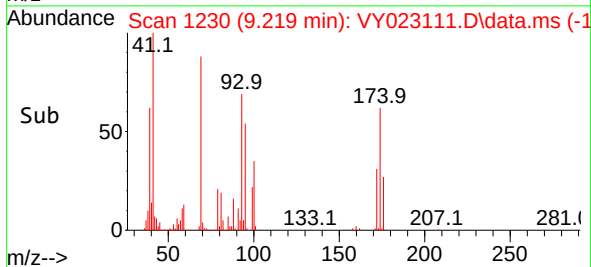
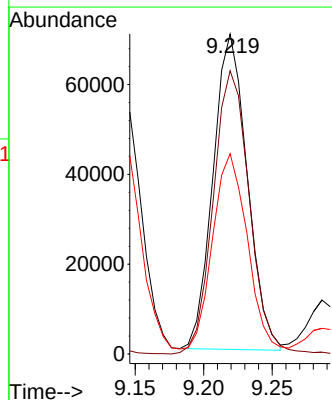
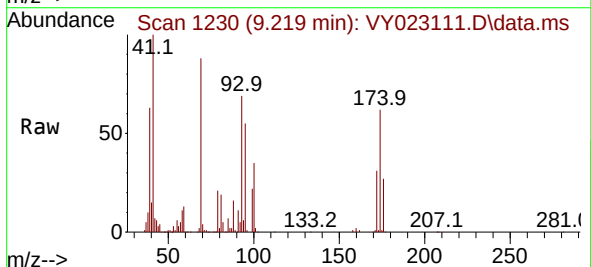
Tgt Ion: 41 Resp: 121834

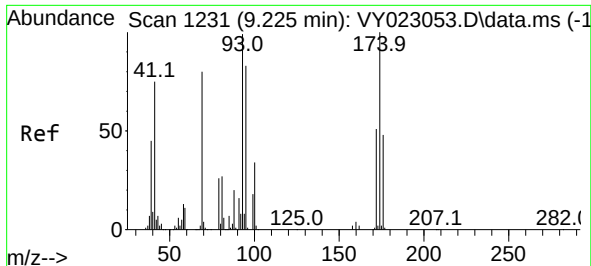
Ion Ratio Lower Upper

41 100

69 94.8 73.2 109.8

39 62.6 47.0 70.4

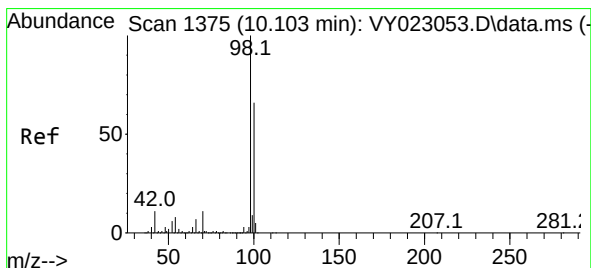
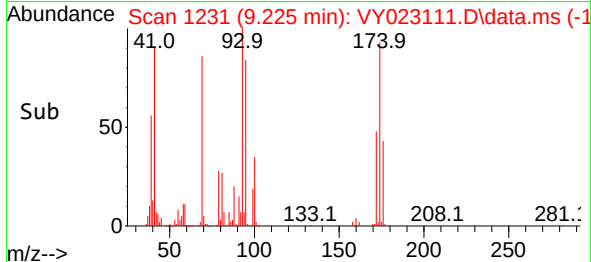
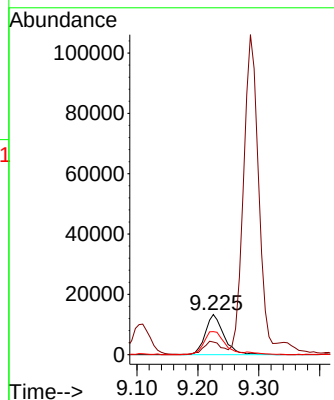
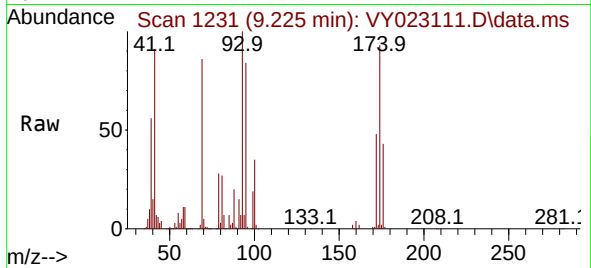




#49
1,4-Dioxane
Concen: 949.382 ug/l
RT: 9.225 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY023111.D
Acq: 15 Aug 2025 08:39

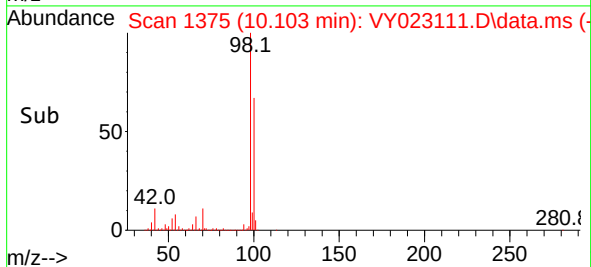
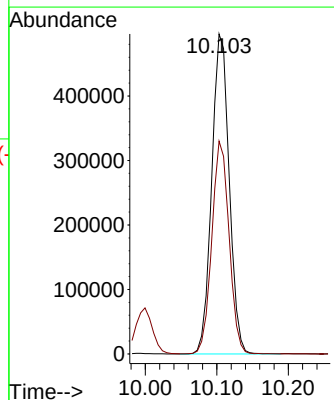
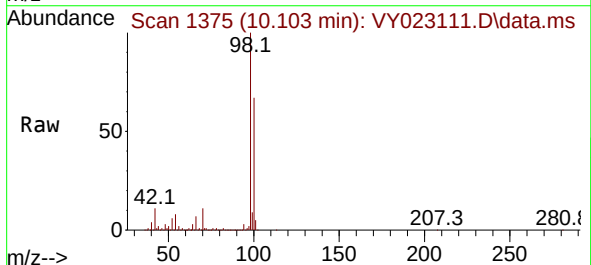
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

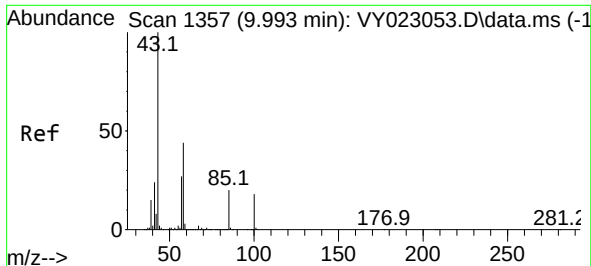
Tgt Ion:	88	Resp:	28081
Ion	Ratio	Lower	Upper
88	100		
43	31.4	24.3	36.5
58	64.6	55.4	83.0



#50
Toluene-d8
Concen: 51.612 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY023111.D
Acq: 15 Aug 2025 08:39

Tgt Ion:	98	Resp:	840812
Ion	Ratio	Lower	Upper
98	100		
100	65.8	52.3	78.5

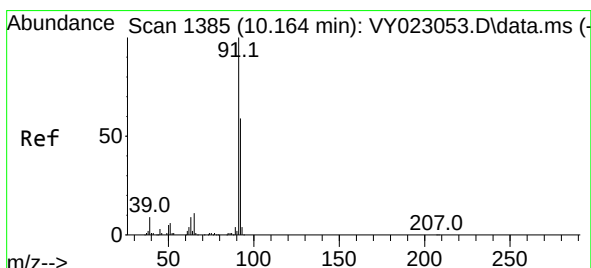
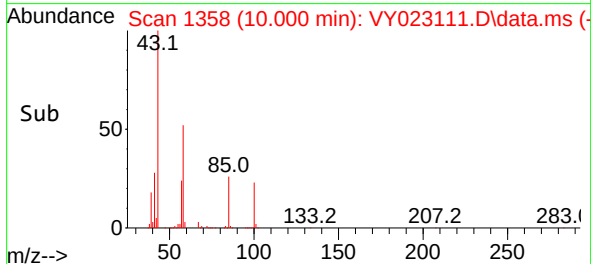
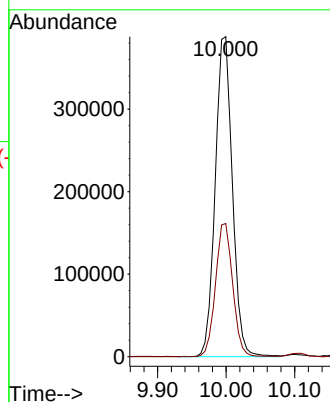
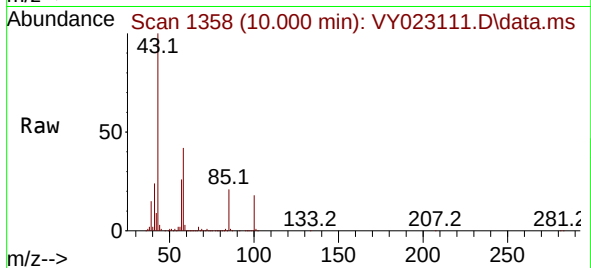




#51
4-Methyl-2-Pentanone
Concen: 248.424 ug/l
RT: 10.000 min Scan# 1357
Delta R.T. 0.006 min
Lab File: VY023111.D
Acq: 15 Aug 2025 08:39

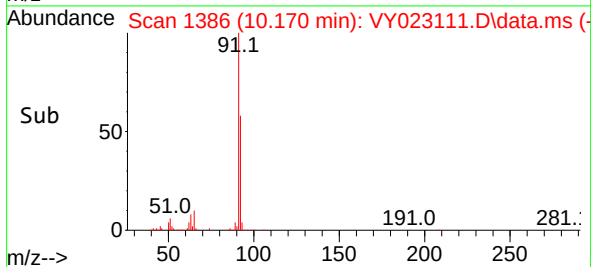
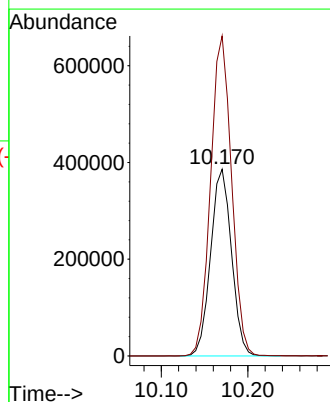
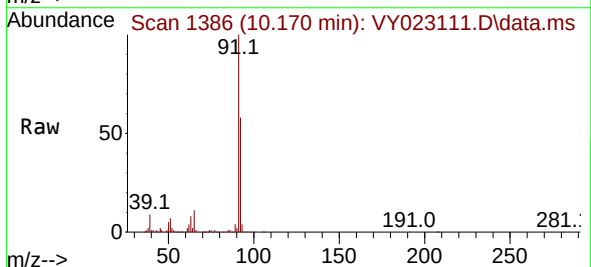
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

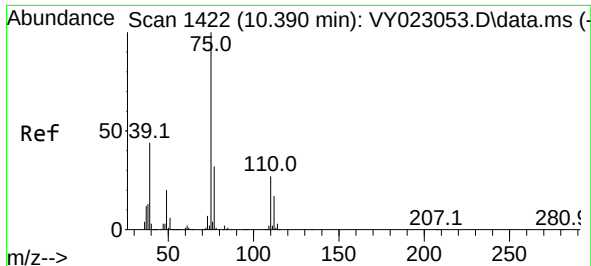
Tgt Ion: 43 Resp: 674267
Ion Ratio Lower Upper
43 100
58 41.7 33.5 50.3



#52
Toluene
Concen: 53.288 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.006 min
Lab File: VY023111.D
Acq: 15 Aug 2025 08:39

Tgt Ion: 92 Resp: 646468
Ion Ratio Lower Upper
92 100
91 172.4 136.4 204.6

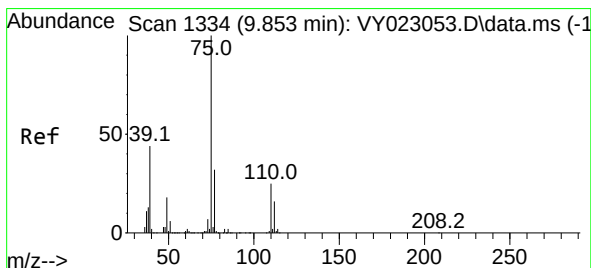
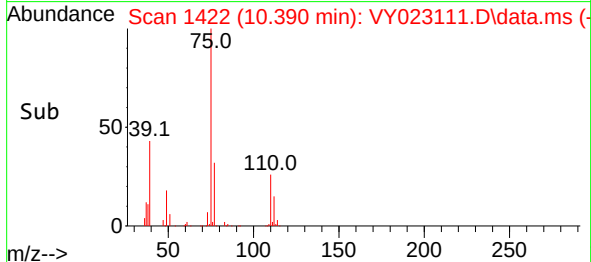
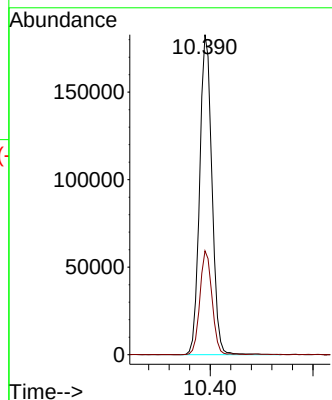
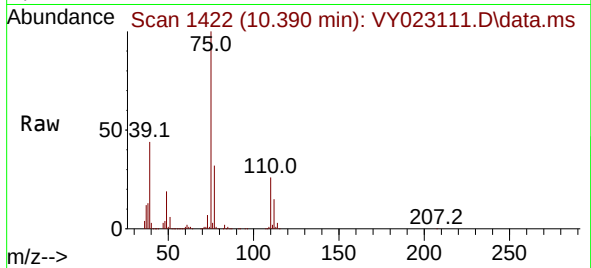




#53
 t-1,3-Dichloropropene
 Concen: 51.512 ug/l
 RT: 10.390 min Scan# 1422
 Delta R.T. 0.000 min
 Lab File: VY023111.D
 Acq: 15 Aug 2025 08:39

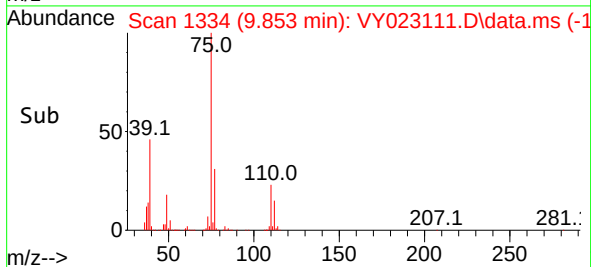
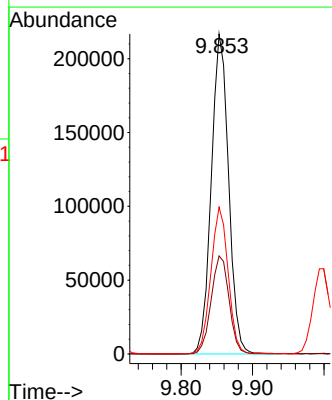
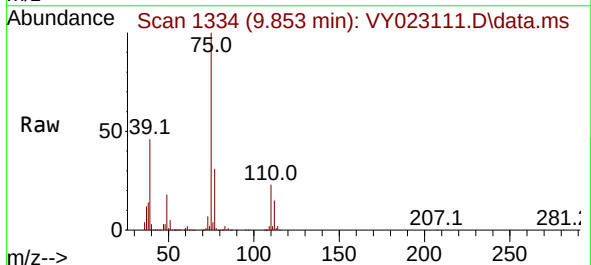
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

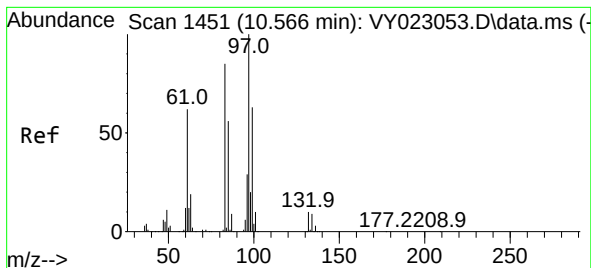
Tgt Ion: 75 Resp: 302783
 Ion Ratio Lower Upper
 75 100
 77 32.4 25.7 38.5



#54
 cis-1,3-Dichloropropene
 Concen: 52.418 ug/l
 RT: 9.853 min Scan# 1334
 Delta R.T. 0.000 min
 Lab File: VY023111.D
 Acq: 15 Aug 2025 08:39

Tgt Ion: 75 Resp: 364333
 Ion Ratio Lower Upper
 75 100
 77 30.7 25.4 38.0
 39 45.8 35.6 53.4





#55

1,1,2-Trichloroethane

Concen: 51.936 ug/l

RT: 10.573 min Scan# 1451

Delta R.T. 0.006 min

Lab File: VY023111.D

Acq: 15 Aug 2025 08:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 97 Resp: 175309

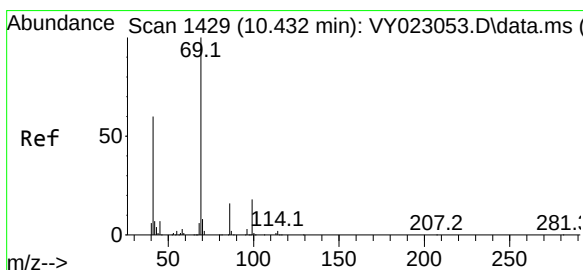
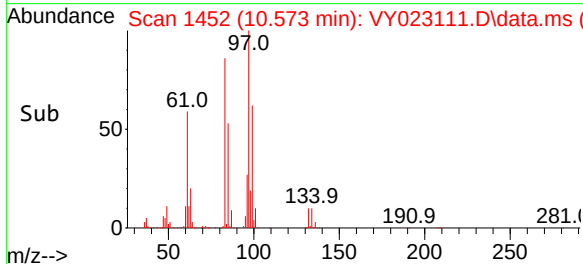
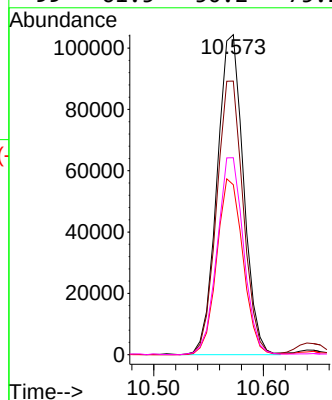
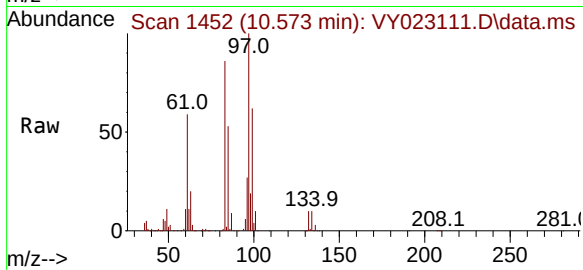
Ion Ratio Lower Upper

97 100

83 85.5 67.7 101.5

85 53.1 44.5 66.7

99 61.5 50.2 75.2



#56

Ethyl methacrylate

Concen: 49.477 ug/l

RT: 10.438 min Scan# 1430

Delta R.T. 0.006 min

Lab File: VY023111.D

Acq: 15 Aug 2025 08:39

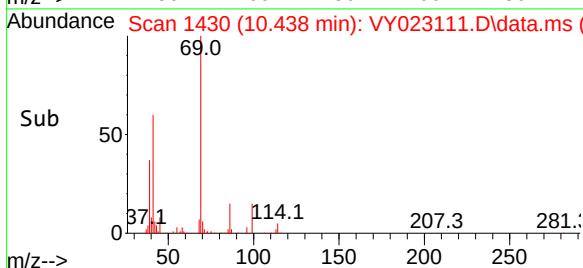
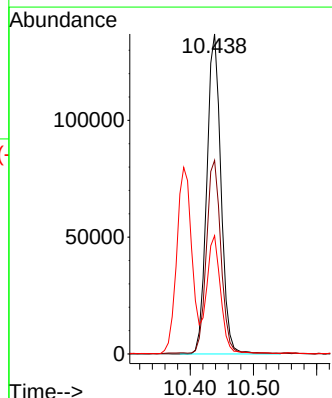
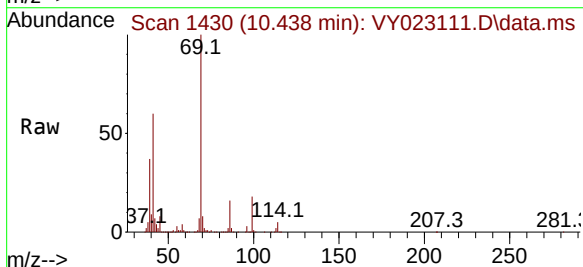
Tgt Ion: 69 Resp: 213704

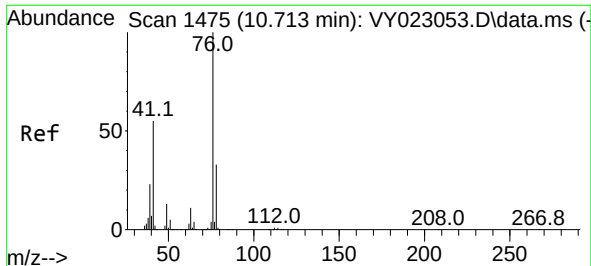
Ion Ratio Lower Upper

69 100

41 61.2 48.6 72.8

39 35.7 27.0 40.4





#57

1,3-Dichloropropane

Concen: 51.352 ug/l

RT: 10.713 min Scan# 1475

Delta R.T. 0.000 min

Lab File: VY023111.D

Acq: 15 Aug 2025 08:39

Instrument :

MSVOA_Y

ClientSampleId :

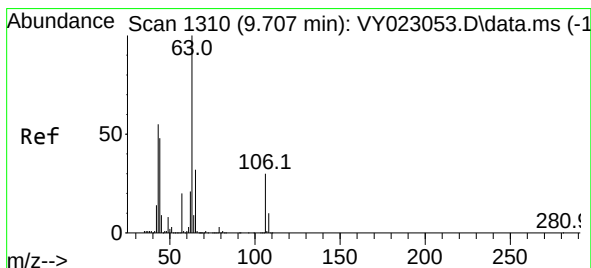
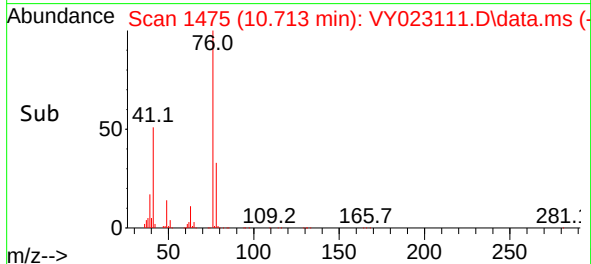
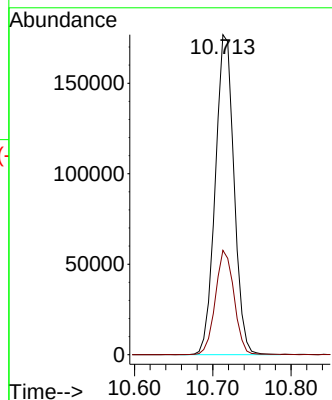
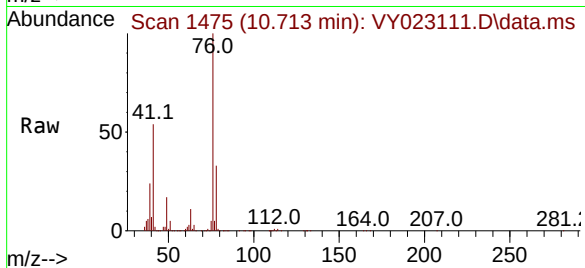
VSTDCCC050

Tgt Ion: 76 Resp: 293968

Ion Ratio Lower Upper

76 100

78 32.6 26.0 39.0



#58

2-Chloroethyl Vinyl ether

Concen: 260.887 ug/l

RT: 9.707 min Scan# 1310

Delta R.T. 0.000 min

Lab File: VY023111.D

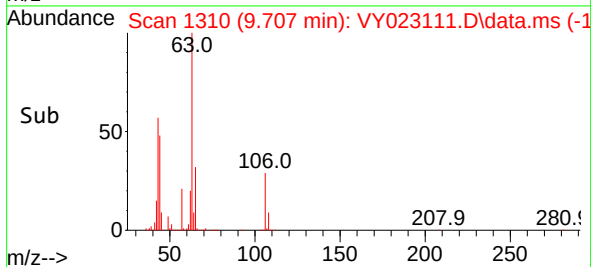
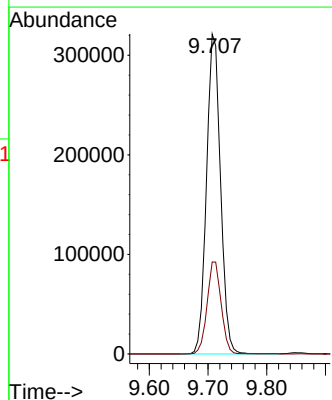
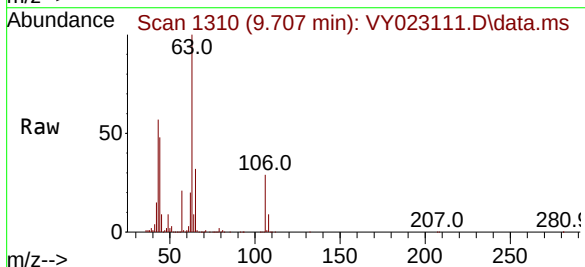
Acq: 15 Aug 2025 08:39

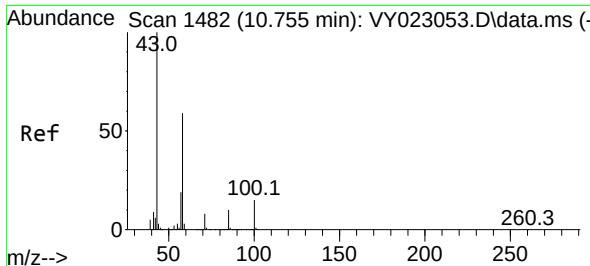
Tgt Ion: 63 Resp: 531531

Ion Ratio Lower Upper

63 100

106 28.9 23.2 34.8

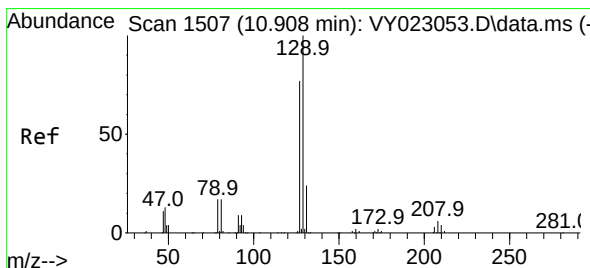
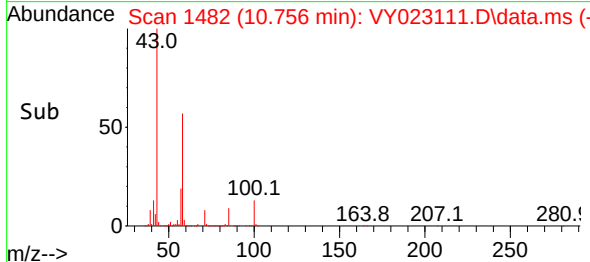
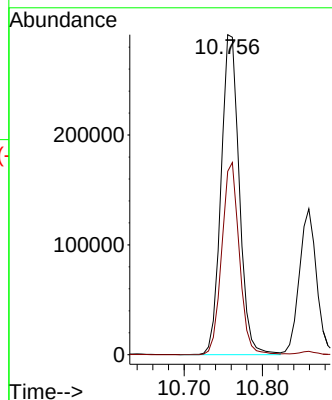
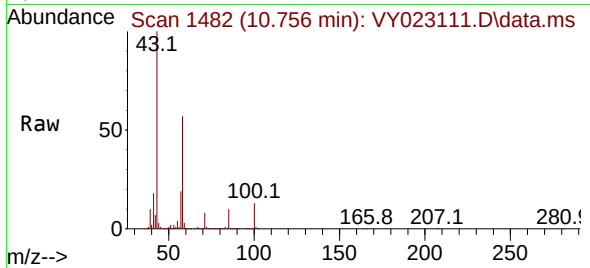




#59
2-Hexanone
Concen: 255.032 ug/l
RT: 10.756 min Scan# 1482
Delta R.T. 0.000 min
Lab File: VY023111.D
Acq: 15 Aug 2025 08:39

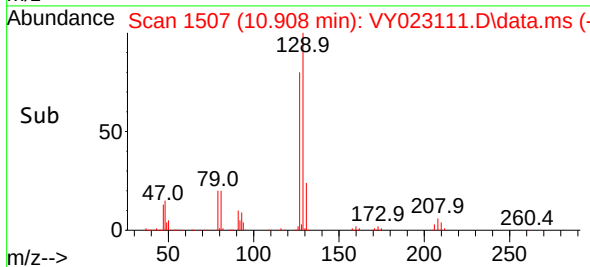
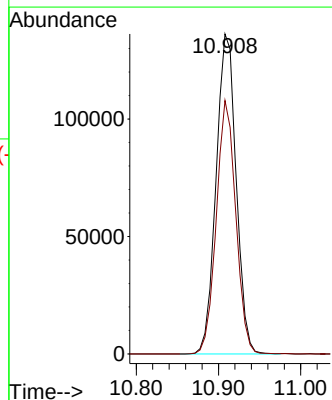
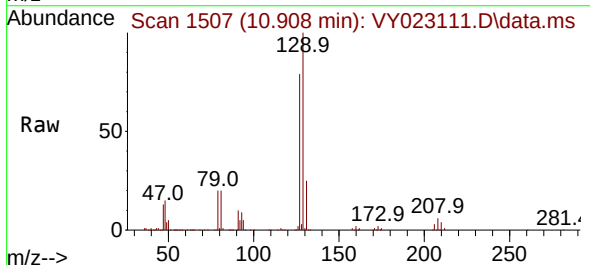
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

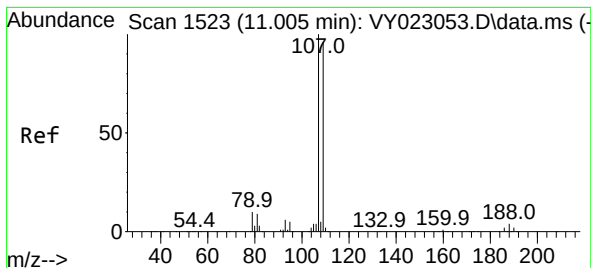
Tgt Ion: 43 Resp: 471343
Ion Ratio Lower Upper
43 100
58 57.9 29.5 88.5



#60
Dibromochloromethane
Concen: 51.895 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY023111.D
Acq: 15 Aug 2025 08:39

Tgt Ion: 129 Resp: 231138
Ion Ratio Lower Upper
129 100
127 77.0 38.5 115.5

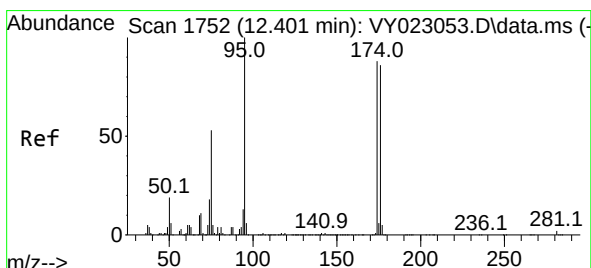
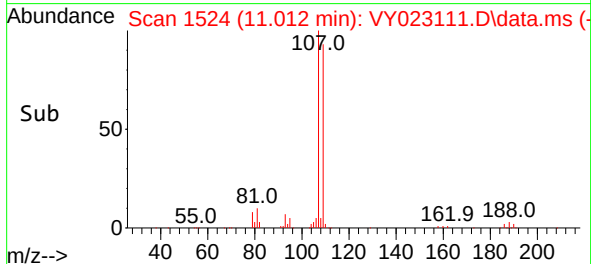
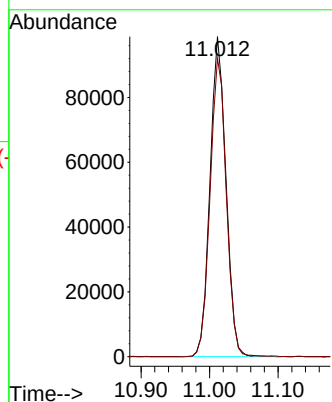
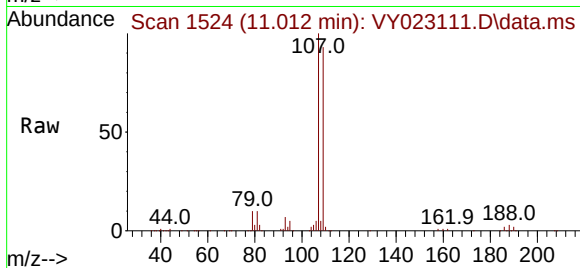




#61
1,2-Dibromoethane
Concen: 50.454 ug/l
RT: 11.012 min Scan# 1524
Delta R.T. 0.006 min
Lab File: VY023111.D
Acq: 15 Aug 2025 08:39

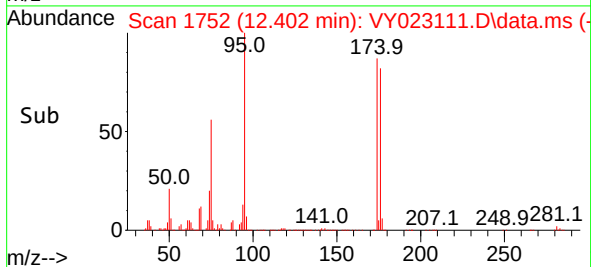
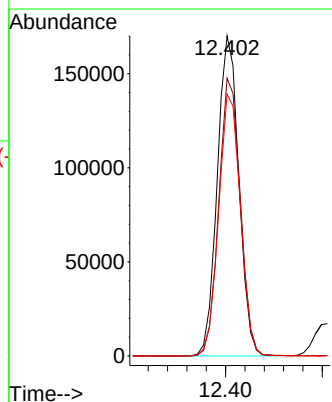
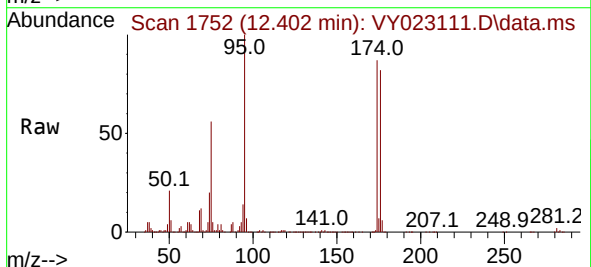
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

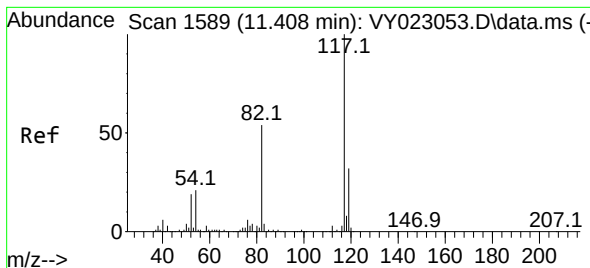
Tgt Ion:107 Resp: 160069
Ion Ratio Lower Upper
107 100
109 94.6 75.6 113.4



#62
4-Bromofluorobenzene
Concen: 50.079 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023111.D
Acq: 15 Aug 2025 08:39

Tgt Ion: 95 Resp: 262368
Ion Ratio Lower Upper
95 100
174 86.8 0.0 171.6
176 82.7 0.0 167.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023111.D

Acq: 15 Aug 2025 08:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

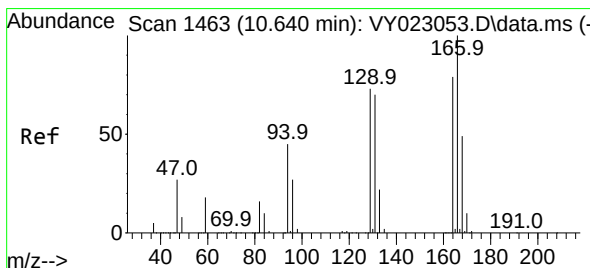
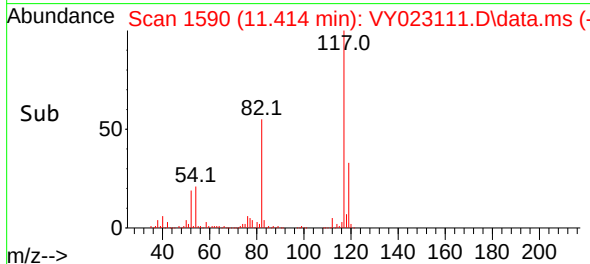
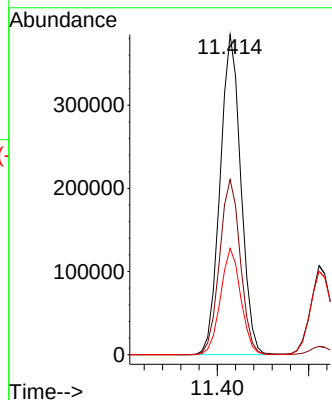
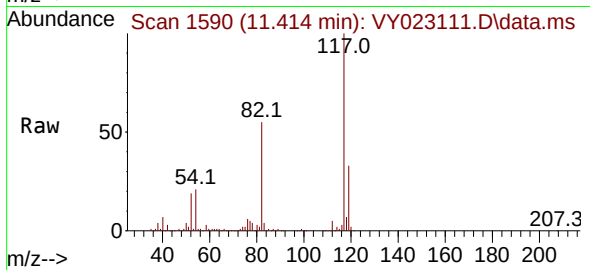
Tgt Ion:117 Resp: 607348

Ion Ratio Lower Upper

117 100

82 54.7 43.4 65.0

119 33.3 25.6 38.4



#64

Tetrachloroethene

Concen: 52.484 ug/l

RT: 10.646 min Scan# 1464

Delta R.T. 0.006 min

Lab File: VY023111.D

Acq: 15 Aug 2025 08:39

Tgt Ion:164 Resp: 284630

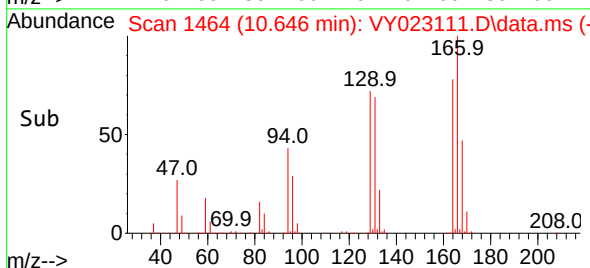
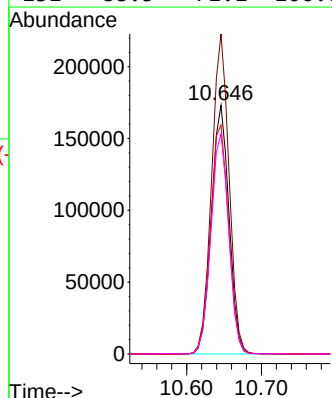
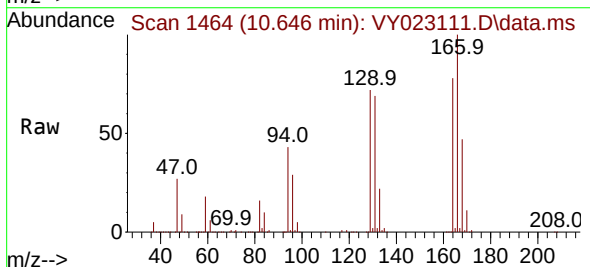
Ion Ratio Lower Upper

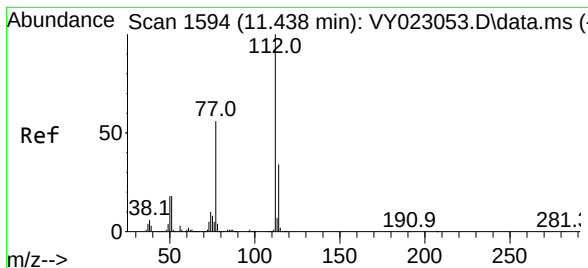
164 100

166 128.7 101.1 151.7

129 92.0 74.0 111.0

131 88.5 71.1 106.7

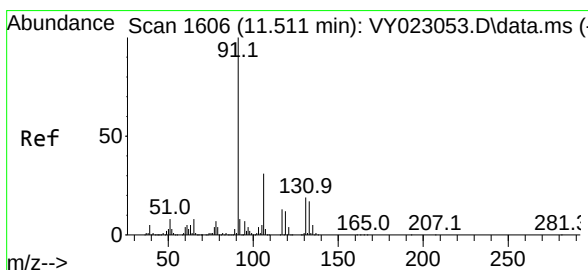
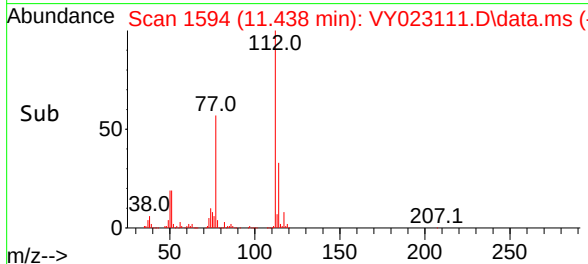
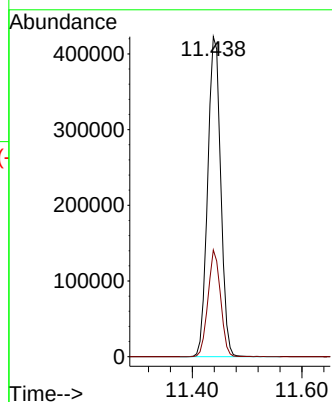
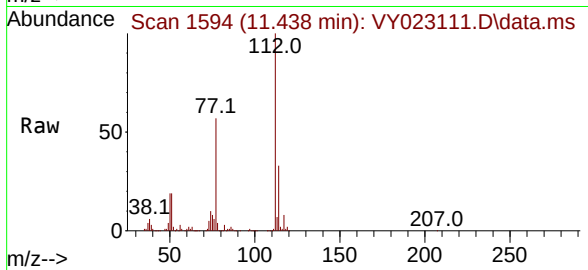




#65
Chlorobenzene
Concen: 52.949 ug/l
RT: 11.438 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY023111.D
Acq: 15 Aug 2025 08:39

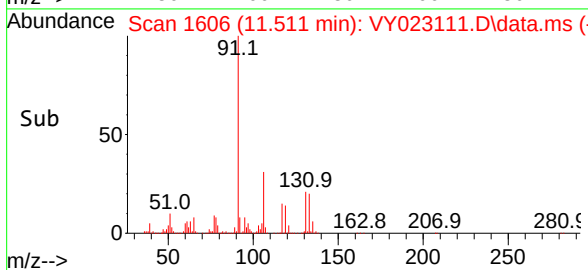
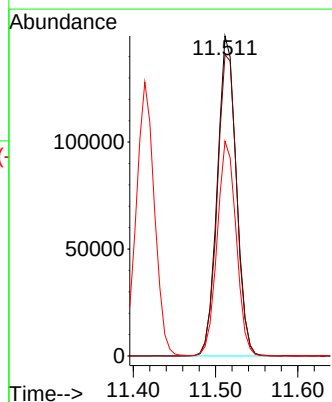
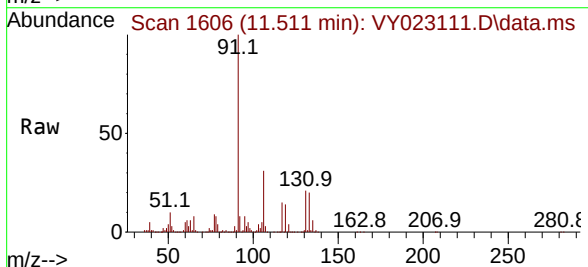
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

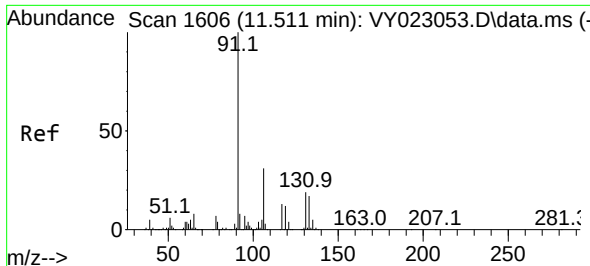
Tgt Ion:112 Resp: 693667
Ion Ratio Lower Upper
112 100
114 33.3 27.0 40.4



#66
1,1,1,2-Tetrachloroethane
Concen: 53.813 ug/l
RT: 11.511 min Scan# 1606
Delta R.T. 0.000 min
Lab File: VY023111.D
Acq: 15 Aug 2025 08:39

Tgt Ion:131 Resp: 239263
Ion Ratio Lower Upper
131 100
133 96.8 46.9 140.6
119 67.6 33.2 99.6





#67

Ethyl Benzene

Concen: 54.111 ug/l

RT: 11.518 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY023111.D

Acq: 15 Aug 2025 08:39

Instrument :

MSVOA_Y

ClientSampleId :

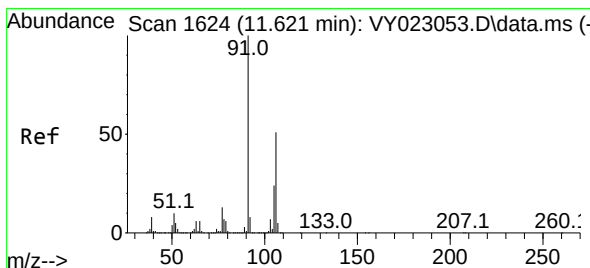
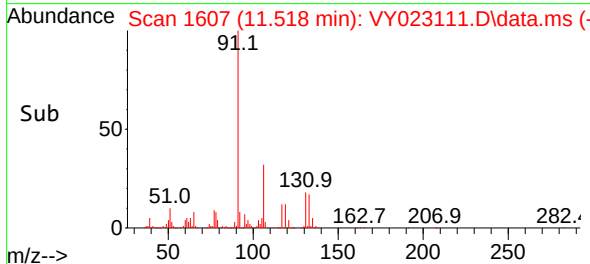
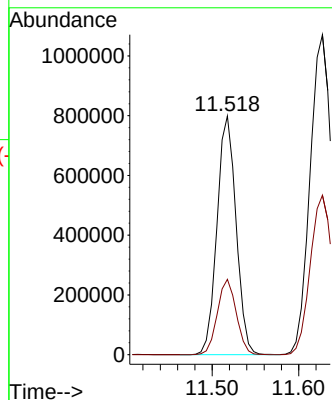
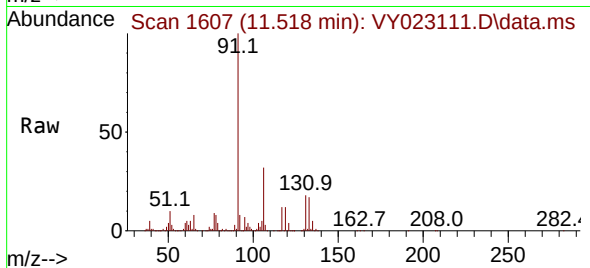
VSTDCCC050

Tgt Ion: 91 Resp: 1219913

Ion Ratio Lower Upper

91 100

106 31.6 25.0 37.4



#68

m/p-Xylenes

Concen: 108.283 ug/l

RT: 11.627 min Scan# 1625

Delta R.T. 0.006 min

Lab File: VY023111.D

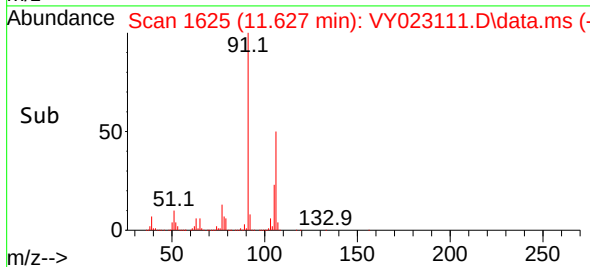
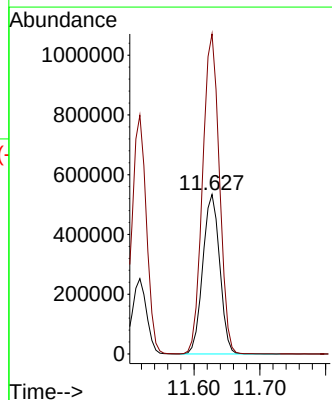
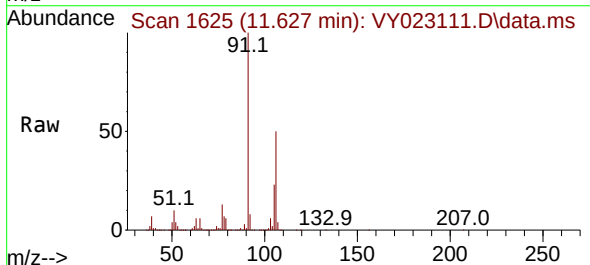
Acq: 15 Aug 2025 08:39

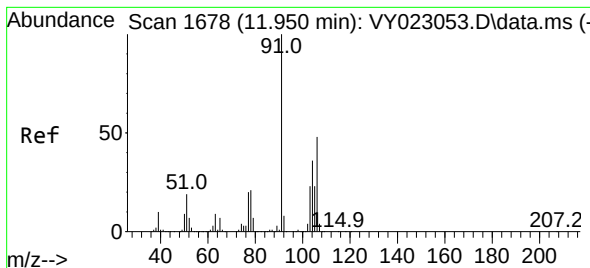
Tgt Ion:106 Resp: 953446

Ion Ratio Lower Upper

106 100

91 199.4 158.6 238.0

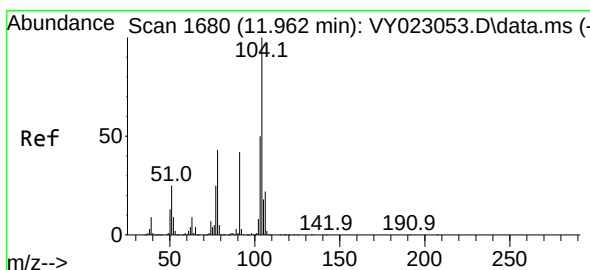
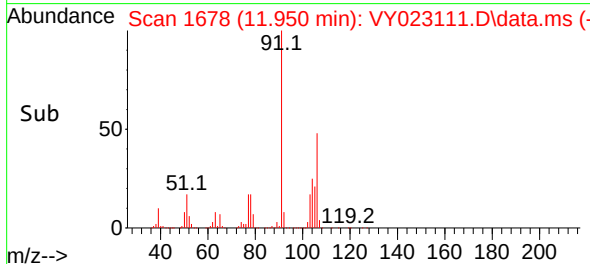
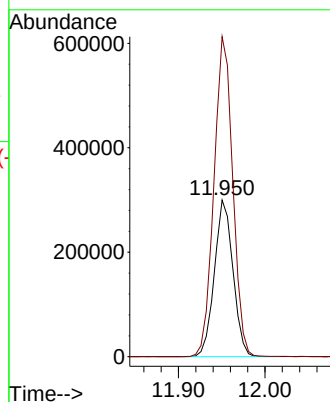
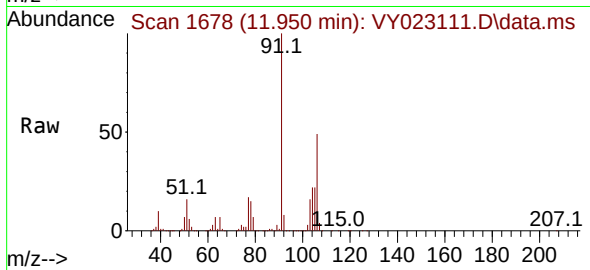




#69
o-Xylene
Concen: 54.193 ug/l
RT: 11.950 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY023111.D
Acq: 15 Aug 2025 08:39

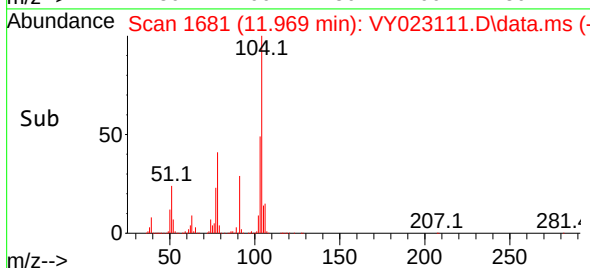
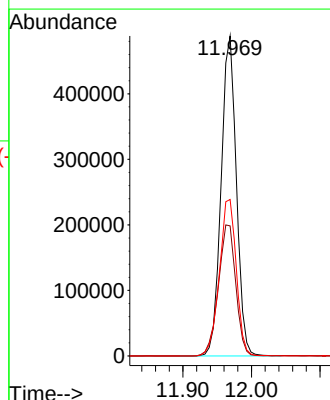
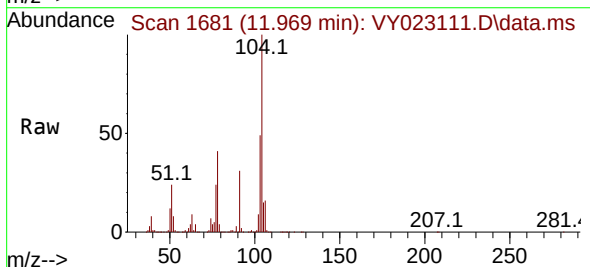
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

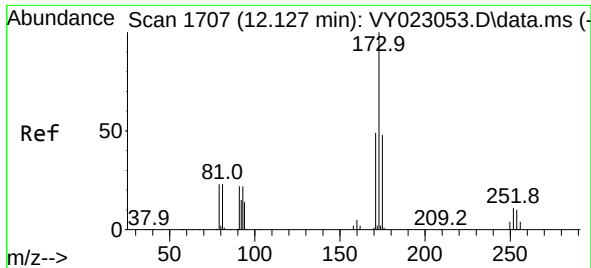
Tgt Ion:106 Resp: 446920
Ion Ratio Lower Upper
106 100
91 206.9 103.2 309.4



#70
Styrene
Concen: 55.770 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.006 min
Lab File: VY023111.D
Acq: 15 Aug 2025 08:39

Tgt Ion:104 Resp: 752144
Ion Ratio Lower Upper
104 100
78 46.7 38.5 57.7
103 54.3 43.7 65.5

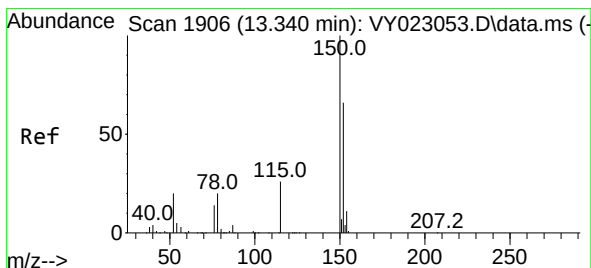
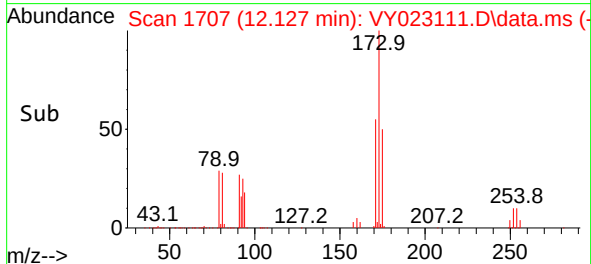
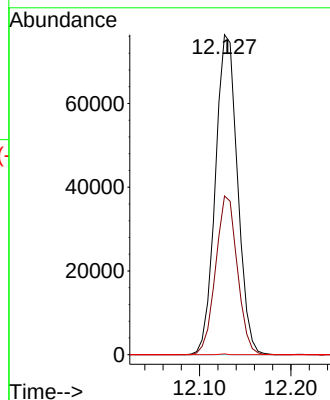
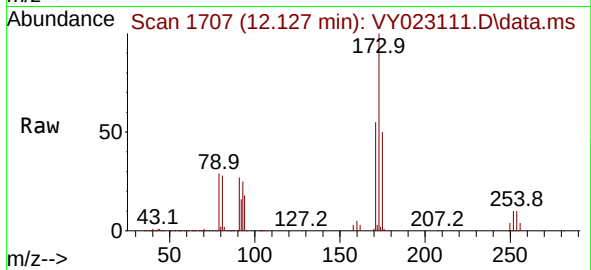




#71
Bromoform
Concen: 49.544 ug/l
RT: 12.127 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY023111.D
Acq: 15 Aug 2025 08:39

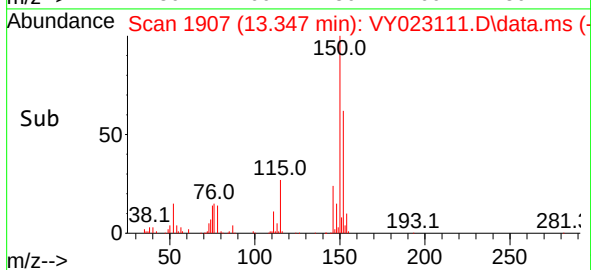
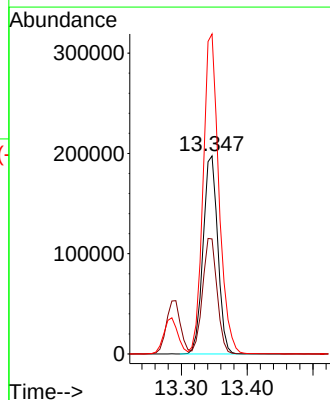
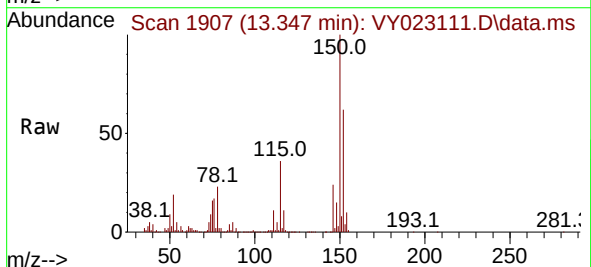
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

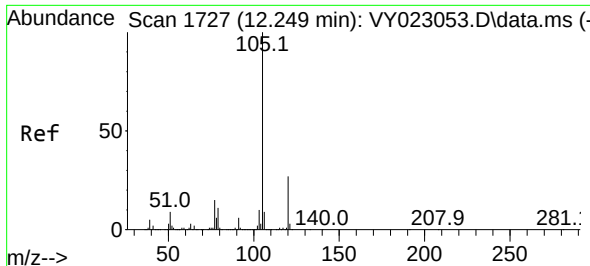
Tgt Ion:173 Resp: 128745
Ion Ratio Lower Upper
173 100
175 48.7 23.9 71.7
254 0.1 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.006 min
Lab File: VY023111.D
Acq: 15 Aug 2025 08:39

Tgt Ion:152 Resp: 306948
Ion Ratio Lower Upper
152 100
115 57.4 28.2 84.6
150 174.0 0.0 348.0

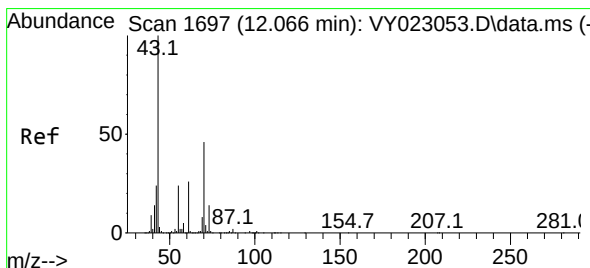
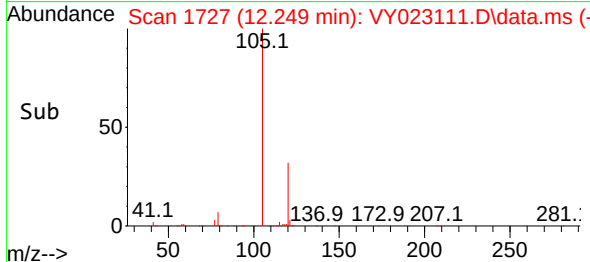
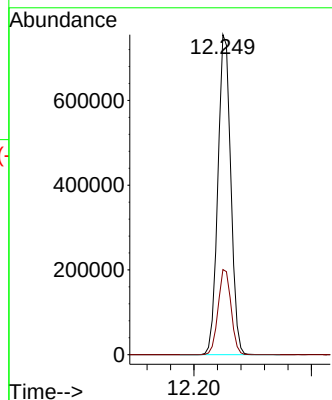
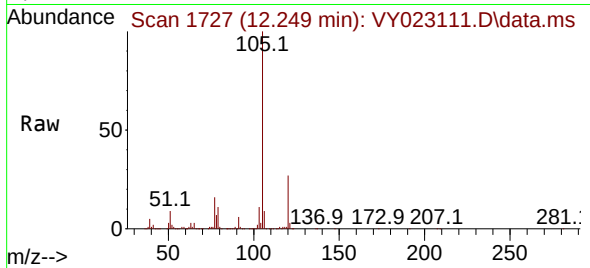




#73
Isopropylbenzene
Concen: 52.906 ug/l
RT: 12.249 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY023111.D
Acq: 15 Aug 2025 08:39

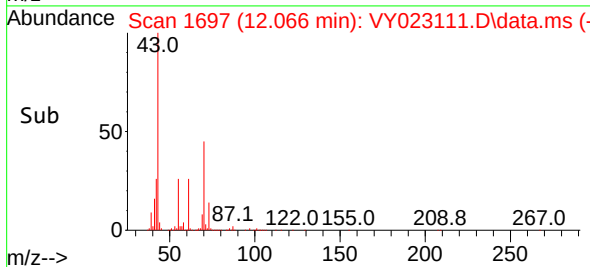
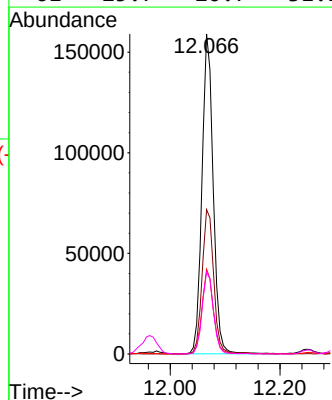
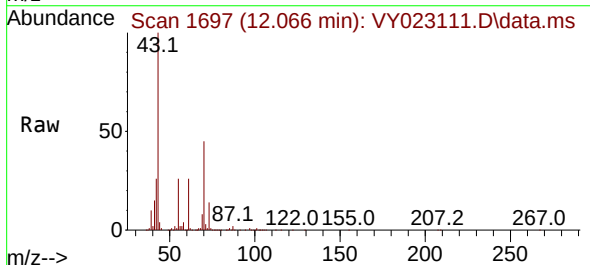
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

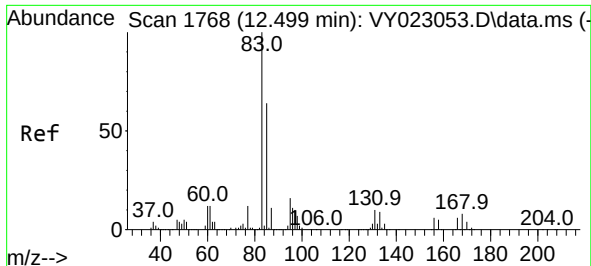
Tgt Ion:105 Resp: 1146162
Ion Ratio Lower Upper
105 100
120 26.7 13.4 40.2



#74
N-ethyl acetate
Concen: 49.257 ug/l
RT: 12.066 min Scan# 1697
Delta R.T. 0.000 min
Lab File: VY023111.D
Acq: 15 Aug 2025 08:39

Tgt Ion: 43 Resp: 226300
Ion Ratio Lower Upper
43 100
70 46.7 37.5 56.3
55 26.9 20.7 31.1
61 25.7 20.7 31.1

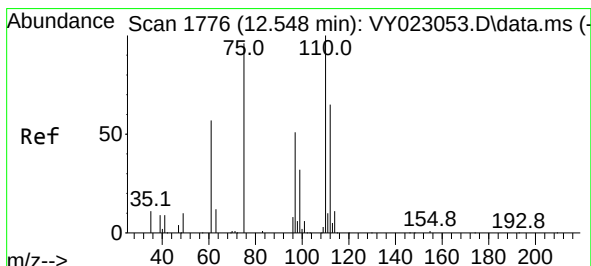
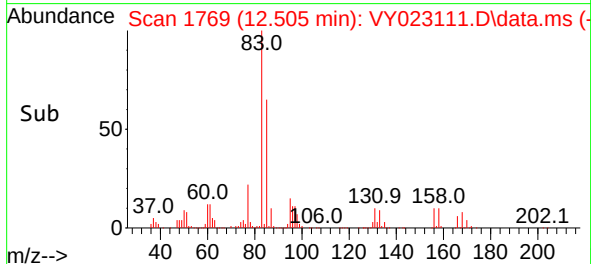
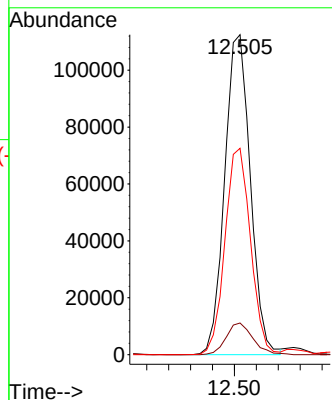
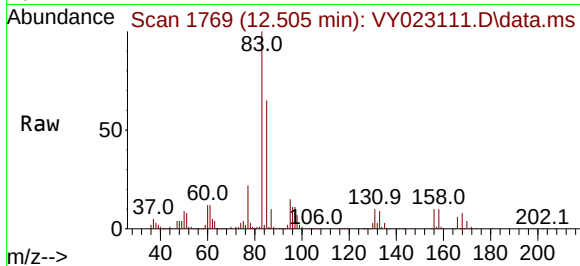




#75
 1,1,2,2-Tetrachloroethane
 Concen: 49.405 ug/l
 RT: 12.505 min Scan# 1769
 Delta R.T. 0.006 min
 Lab File: VY023111.D
 Acq: 15 Aug 2025 08:39

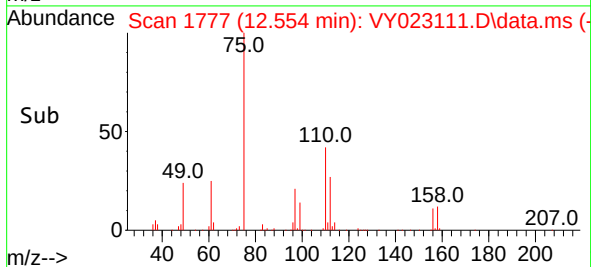
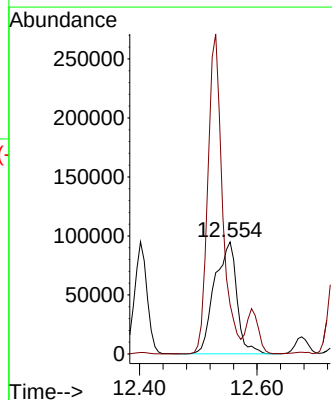
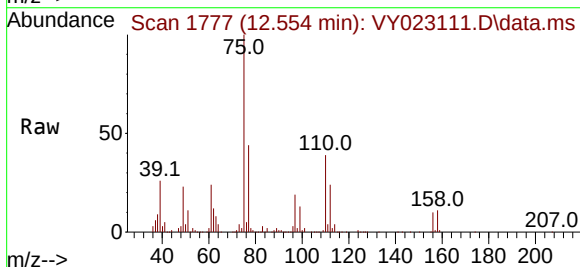
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

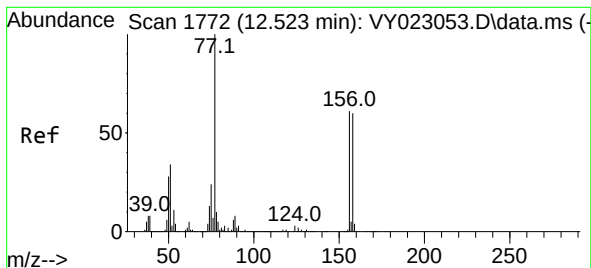
Tgt Ion: 83 Resp: 182753
 Ion Ratio Lower Upper
 83 100
 131 10.3 5.1 15.3
 85 64.4 31.8 95.3



#76
 1,2,3-Trichloropropane
 Concen: 84.220 ug/l
 RT: 12.554 min Scan# 1777
 Delta R.T. 0.006 min
 Lab File: VY023111.D
 Acq: 15 Aug 2025 08:39

Tgt Ion: 75 Resp: 249491
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 50.833 ug/l

RT: 12.530 min Scan# 1772

Delta R.T. 0.006 min

Lab File: VY023111.D

Acq: 15 Aug 2025 08:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

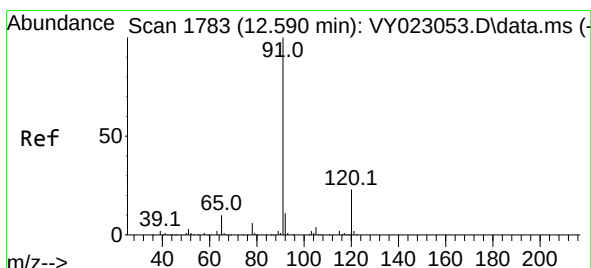
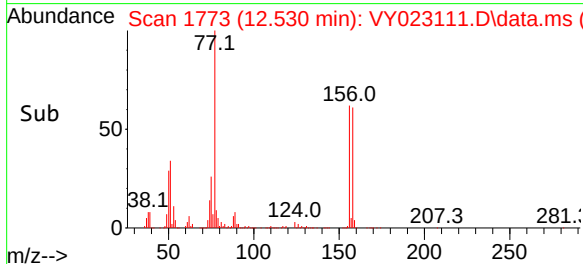
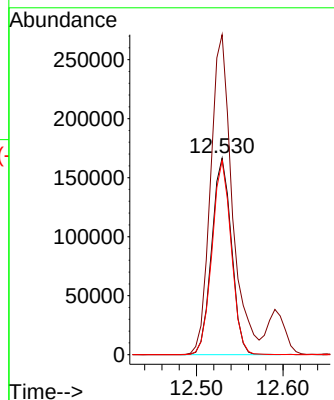
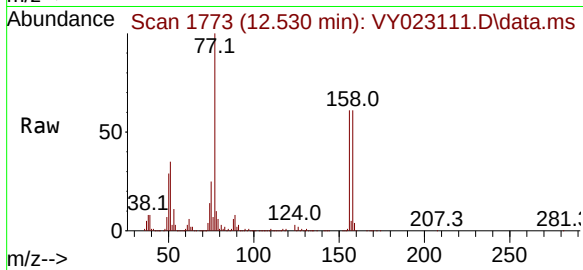
Tgt Ion:156 Resp: 262726

Ion Ratio Lower Upper

156 100

77 179.1 88.1 264.4

158 96.7 48.0 144.0



#78

n-propylbenzene

Concen: 54.137 ug/l

RT: 12.591 min Scan# 1783

Delta R.T. 0.000 min

Lab File: VY023111.D

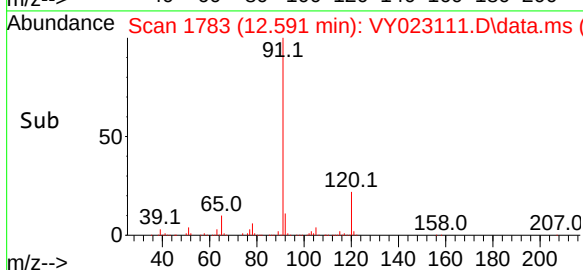
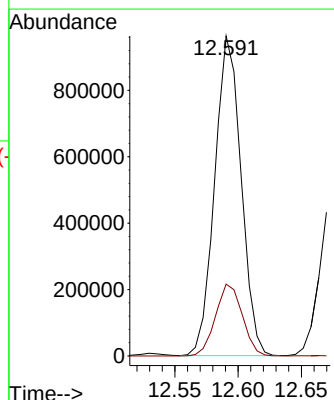
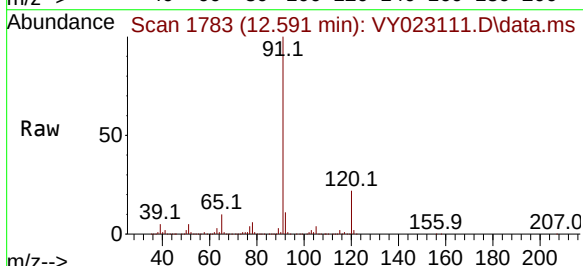
Acq: 15 Aug 2025 08:39

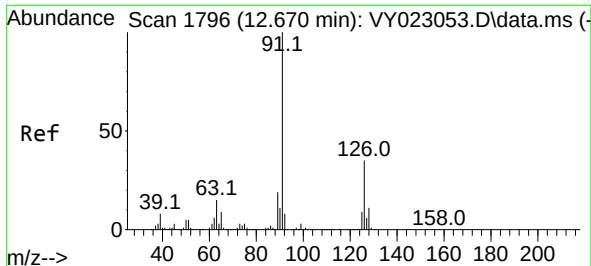
Tgt Ion: 91 Resp: 1396330

Ion Ratio Lower Upper

91 100

120 22.8 11.5 34.5

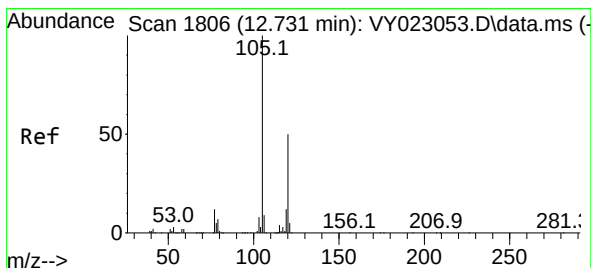
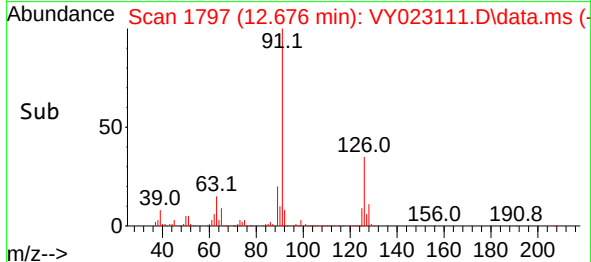
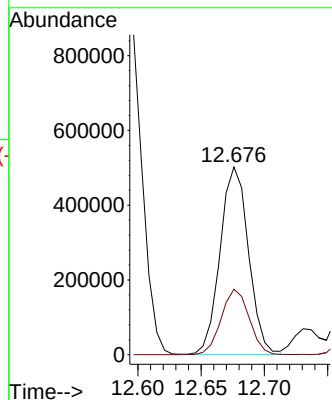
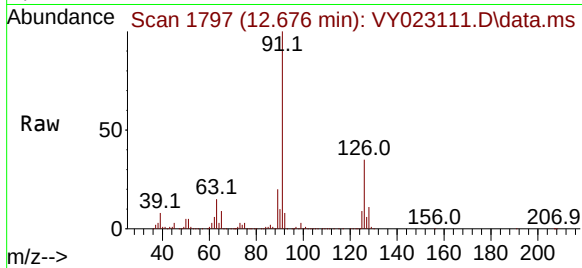




#79
2-Chlorotoluene
Concen: 52.993 ug/l
RT: 12.676 min Scan# 1796
Delta R.T. 0.006 min
Lab File: VY023111.D
Acq: 15 Aug 2025 08:39

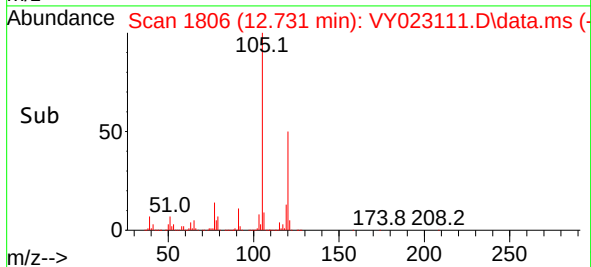
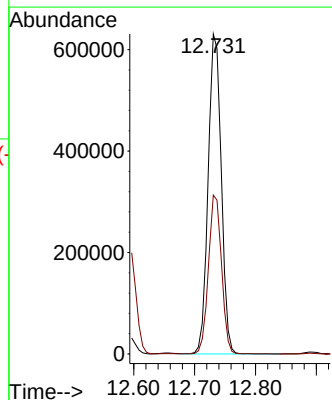
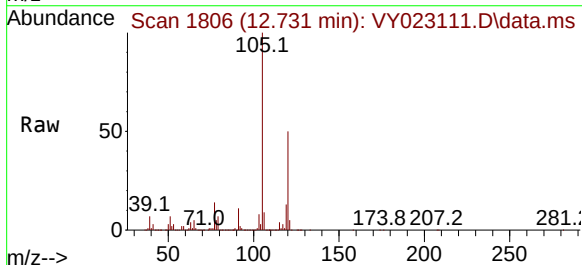
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

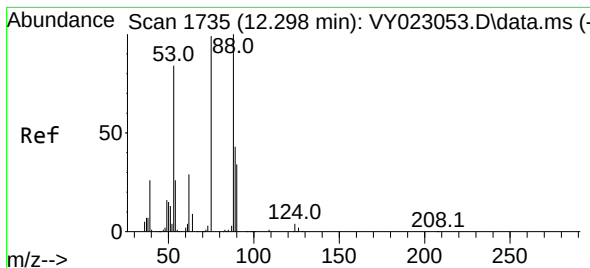
Tgt Ion: 91 Resp: 783125
Ion Ratio Lower Upper
91 100
126 34.3 17.4 52.3



#80
1,3,5-Trimethylbenzene
Concen: 53.915 ug/l
RT: 12.731 min Scan# 1806
Delta R.T. 0.000 min
Lab File: VY023111.D
Acq: 15 Aug 2025 08:39

Tgt Ion: 105 Resp: 943980
Ion Ratio Lower Upper
105 100
120 49.6 24.8 74.4

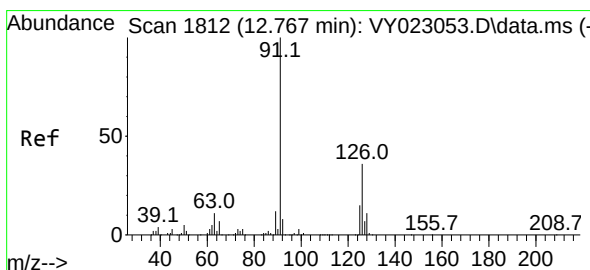
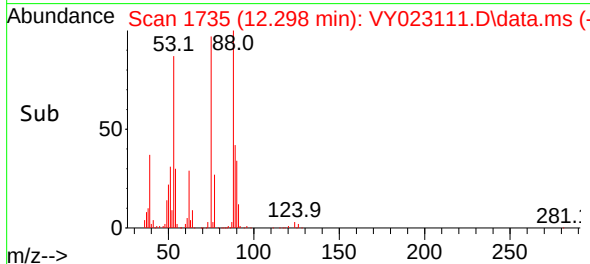
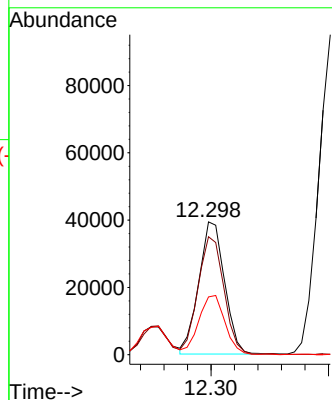
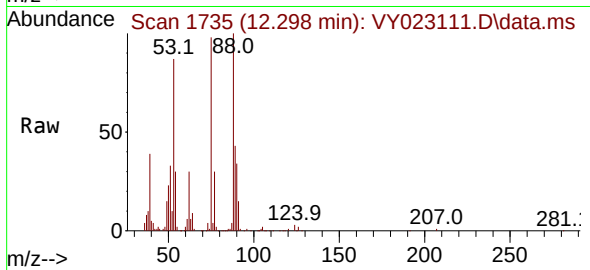




#81
trans-1,4-Dichloro-2-butene
Concen: 48.961 ug/l
RT: 12.298 min Scan# 1735
Delta R.T. 0.000 min
Lab File: VY023111.D
Acq: 15 Aug 2025 08:39

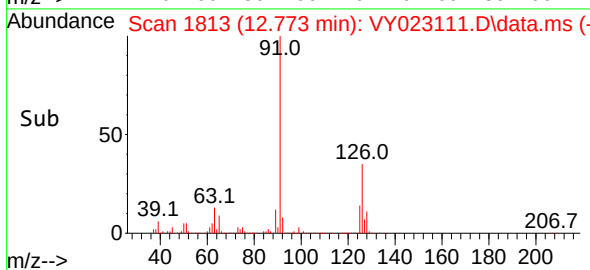
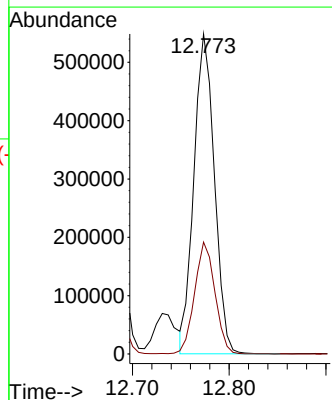
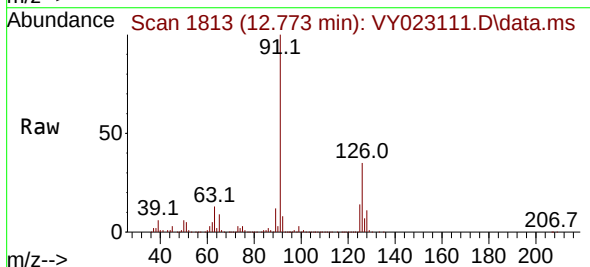
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

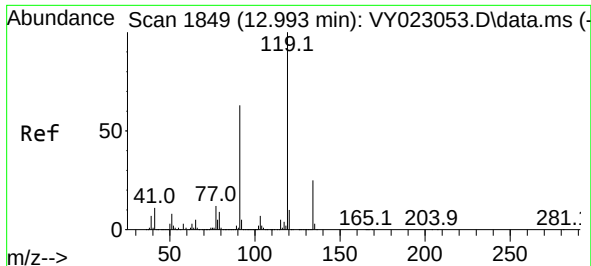
Tgt Ion: 75 Resp: 59917
Ion Ratio Lower Upper
75 100
53 89.0 70.8 106.2
89 45.9 38.1 57.1



#82
4-Chlorotoluene
Concen: 52.611 ug/l
RT: 12.773 min Scan# 1813
Delta R.T. 0.006 min
Lab File: VY023111.D
Acq: 15 Aug 2025 08:39

Tgt Ion: 91 Resp: 806542
Ion Ratio Lower Upper
91 100
126 34.9 17.3 52.0

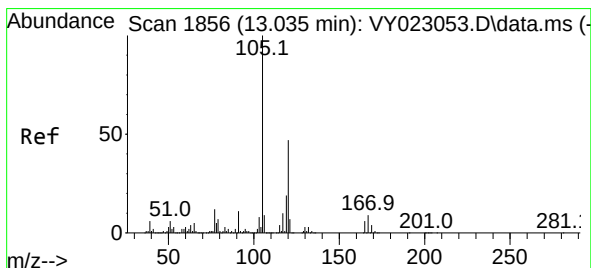
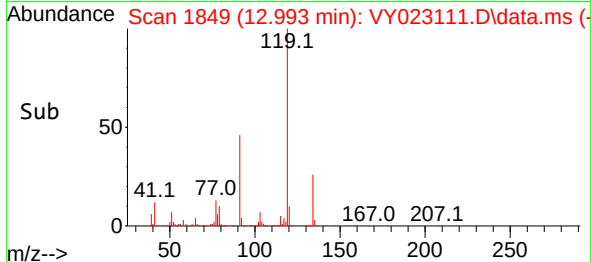
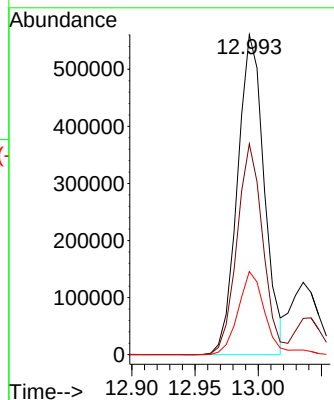
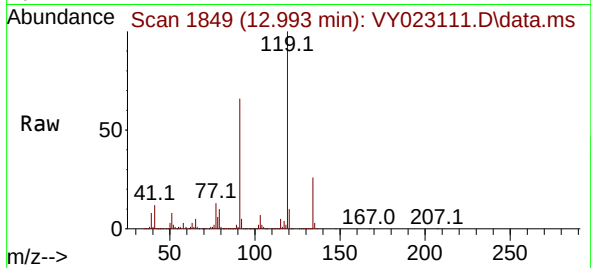




#83
tert-Butylbenzene
Concen: 52.171 ug/l
RT: 12.993 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY023111.D
Acq: 15 Aug 2025 08:39

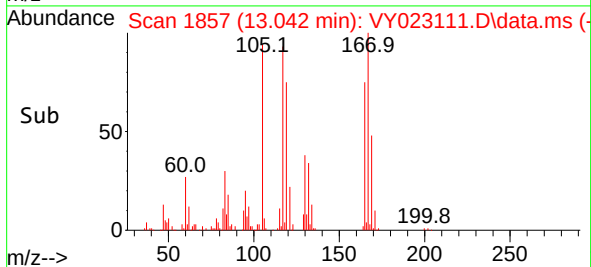
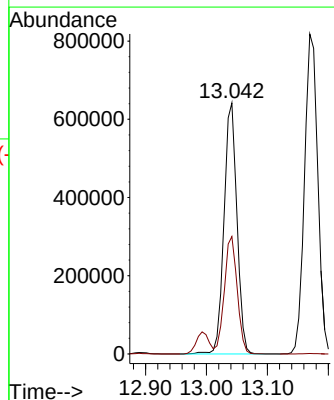
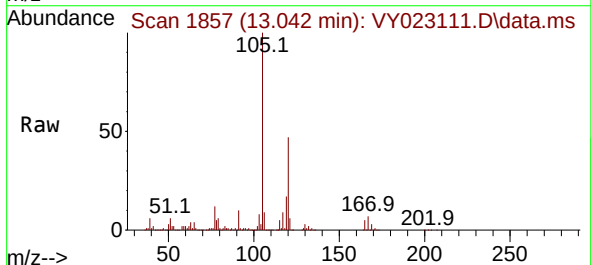
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

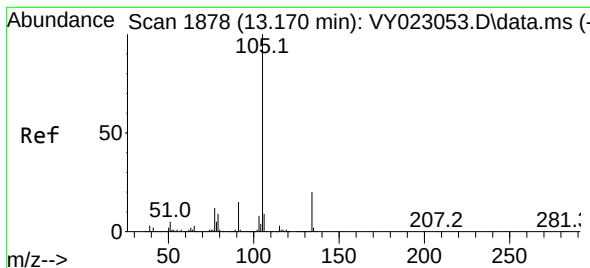
Tgt Ion:119 Resp: 825002
Ion Ratio Lower Upper
119 100
91 64.4 31.6 94.8
134 26.5 12.9 38.7



#84
1,2,4-Trimethylbenzene
Concen: 54.277 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.006 min
Lab File: VY023111.D
Acq: 15 Aug 2025 08:39

Tgt Ion:105 Resp: 946009
Ion Ratio Lower Upper
105 100
120 46.5 23.0 69.0

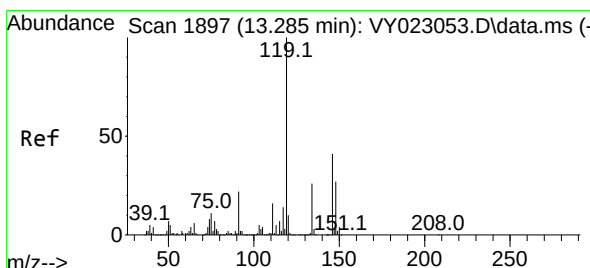
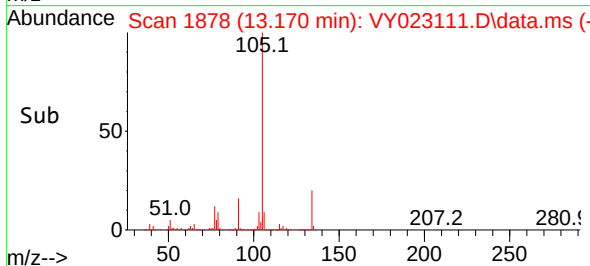
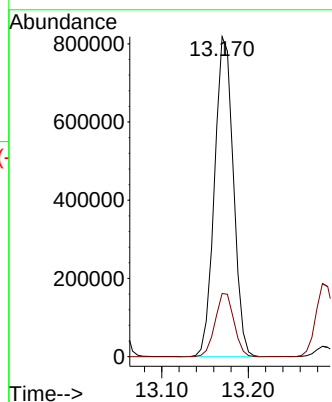
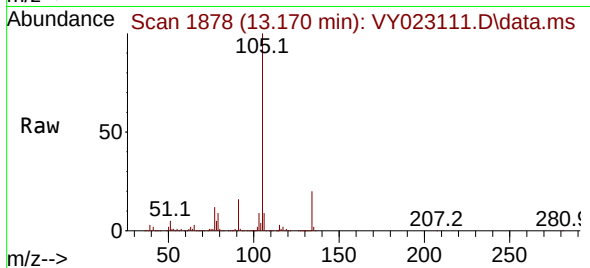




#85
 sec-Butylbenzene
 Concen: 53.143 ug/l
 RT: 13.170 min Scan# 1878
 Delta R.T. 0.000 min
 Lab File: VY023111.D
 Acq: 15 Aug 2025 08:39

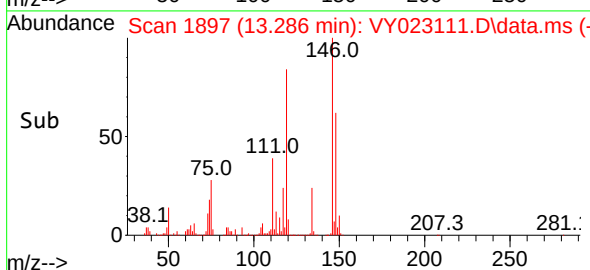
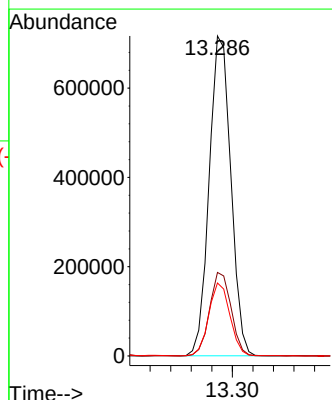
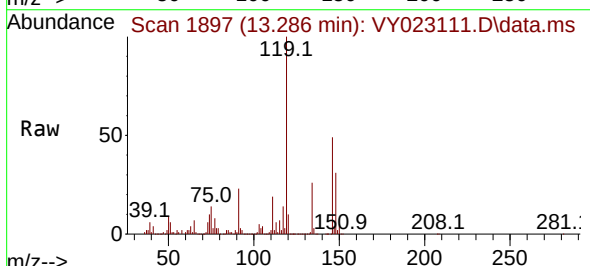
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

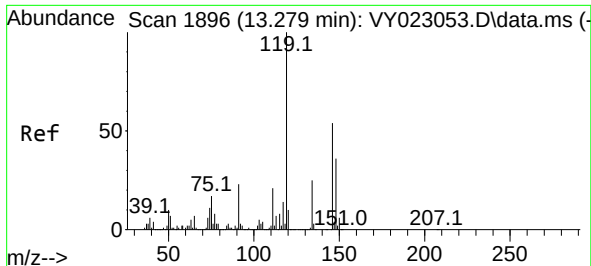
Tgt Ion:105 Resp: 1234484
 Ion Ratio Lower Upper
 105 100
 134 19.9 10.2 30.4



#86
 p-Isopropyltoluene
 Concen: 54.334 ug/l
 RT: 13.286 min Scan# 1897
 Delta R.T. 0.000 min
 Lab File: VY023111.D
 Acq: 15 Aug 2025 08:39

Tgt Ion:119 Resp: 1047646
 Ion Ratio Lower Upper
 119 100
 134 26.1 13.2 39.6
 91 22.4 11.3 33.8





#87

1,3-Dichlorobenzene

Concen: 52.641 ug/l

RT: 13.286 min Scan# 1896

Delta R.T. 0.006 min

Lab File: VY023111.D

Acq: 15 Aug 2025 08:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

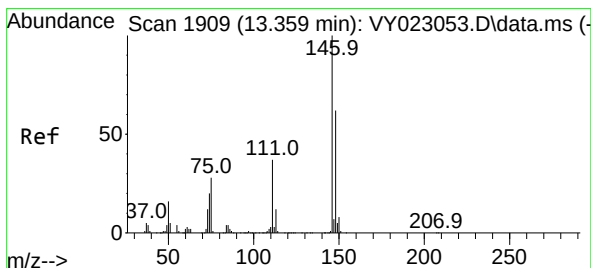
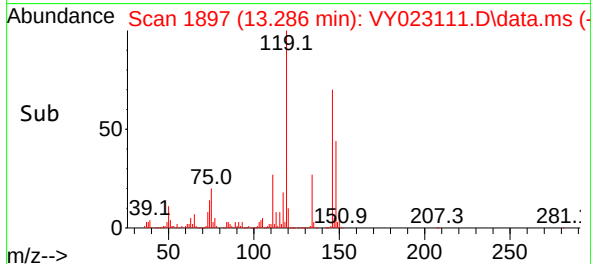
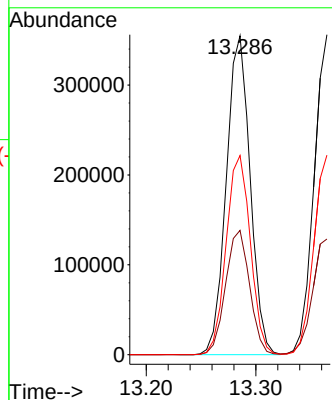
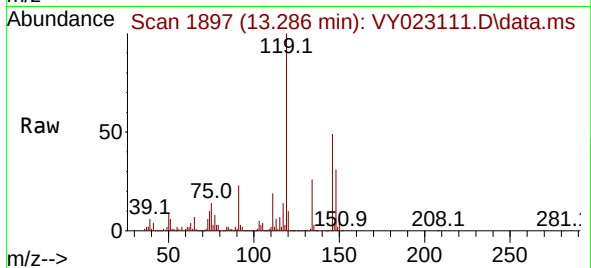
Tgt Ion:146 Resp: 536529

Ion Ratio Lower Upper

146 100

111 39.3 19.6 58.7

148 63.4 32.5 97.5



#88

1,4-Dichlorobenzene

Concen: 51.501 ug/l

RT: 13.365 min Scan# 1910

Delta R.T. 0.006 min

Lab File: VY023111.D

Acq: 15 Aug 2025 08:39

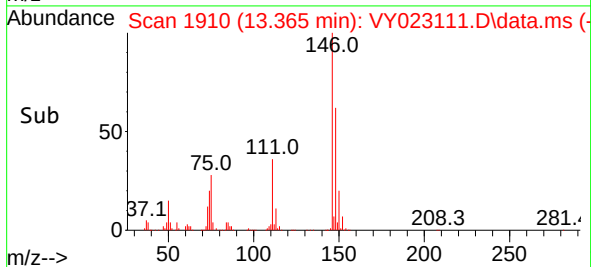
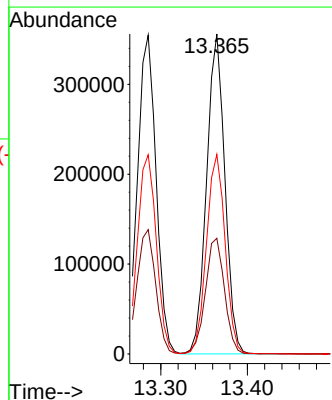
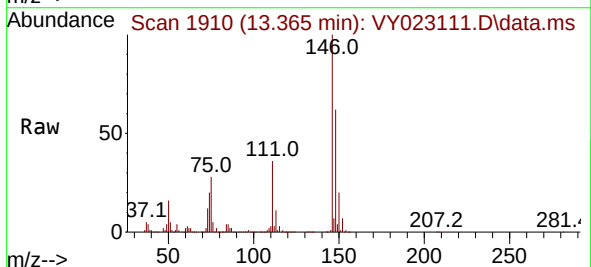
Tgt Ion:146 Resp: 520698

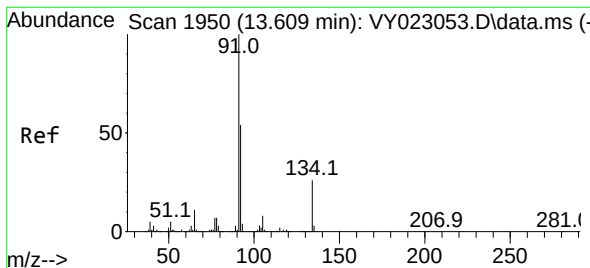
Ion Ratio Lower Upper

146 100

111 37.9 19.1 57.1

148 63.9 31.6 94.7





#89

n-Butylbenzene

Concen: 53.939 ug/l

RT: 13.615 min Scan# 1951

Delta R.T. 0.006 min

Lab File: VY023111.D

Acq: 15 Aug 2025 08:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

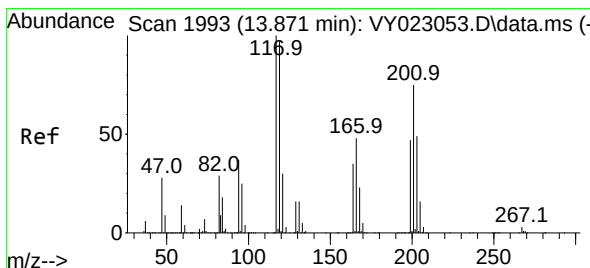
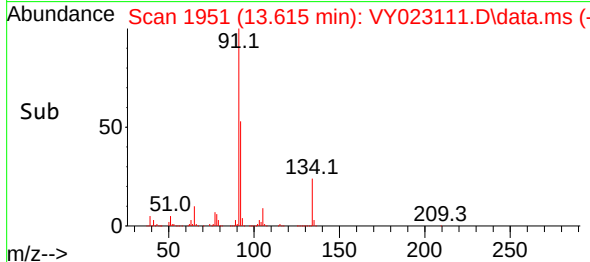
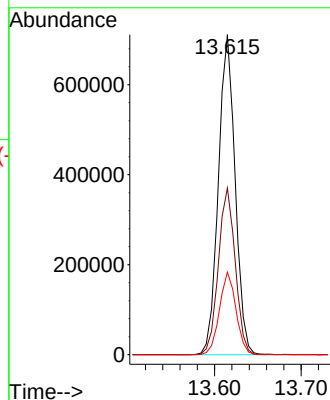
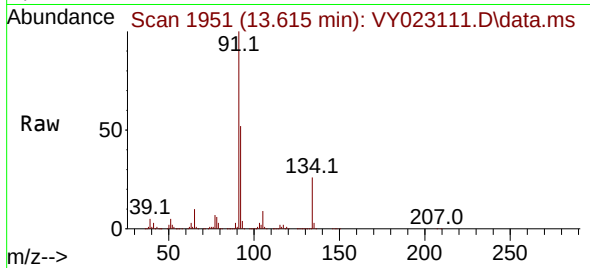
Tgt Ion: 91 Resp: 955218

Ion Ratio Lower Upper

91 100

92 52.4 26.9 80.7

134 25.4 13.2 39.5



#90

Hexachloroethane

Concen: 53.061 ug/l

RT: 13.877 min Scan# 1994

Delta R.T. 0.006 min

Lab File: VY023111.D

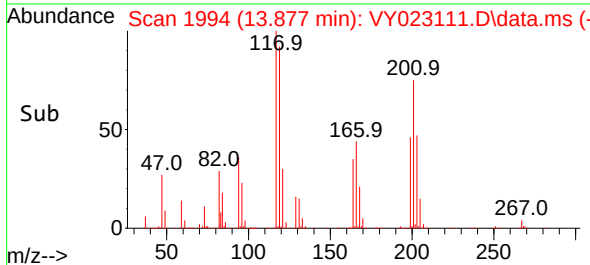
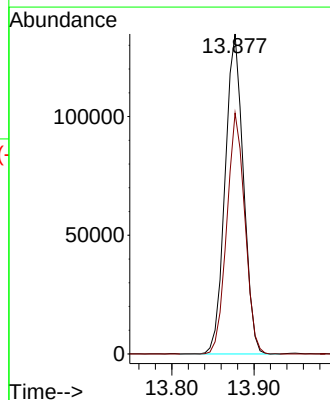
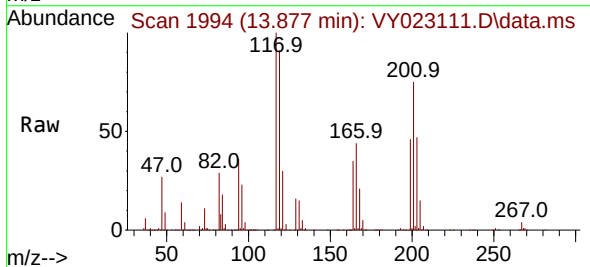
Acq: 15 Aug 2025 08:39

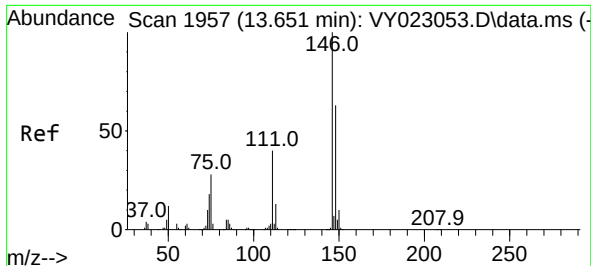
Tgt Ion: 117 Resp: 209441

Ion Ratio Lower Upper

117 100

201 74.2 38.4 115.1

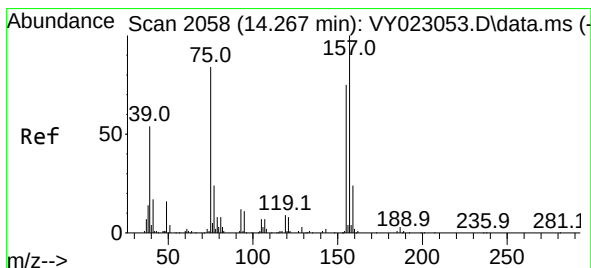
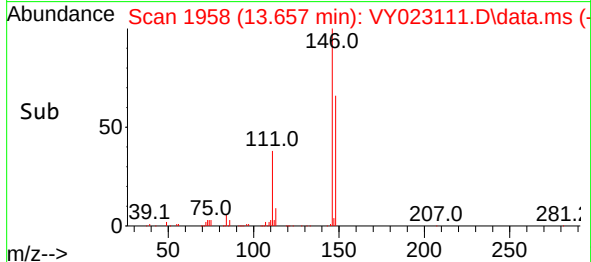
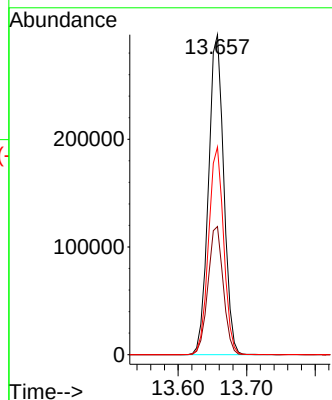
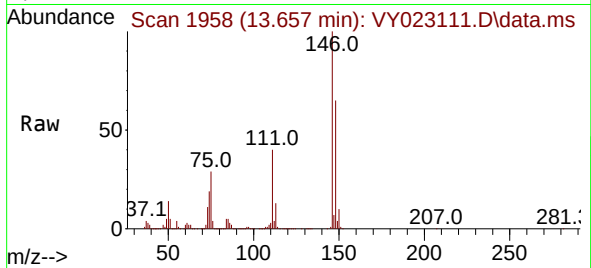




#91
1,2-Dichlorobenzene
Concen: 51.489 ug/l
RT: 13.657 min Scan# 1957
Delta R.T. 0.006 min
Lab File: VY023111.D
Acq: 15 Aug 2025 08:39

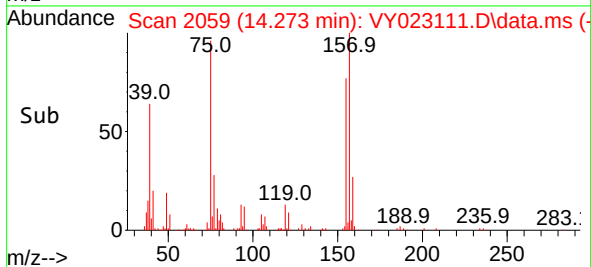
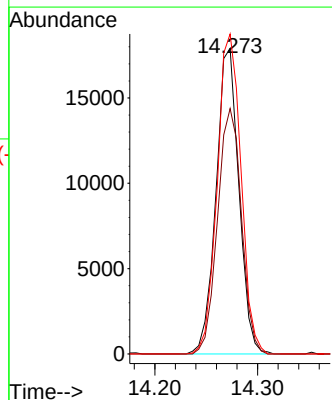
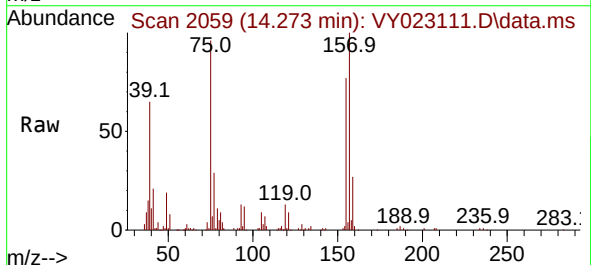
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

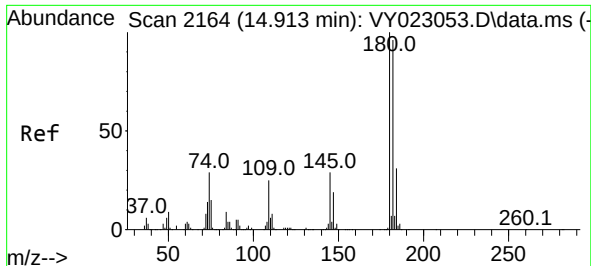
Tgt Ion:146 Resp: 460235
Ion Ratio Lower Upper
146 100
111 40.2 20.3 60.8
148 64.3 32.2 96.6



#92
1,2-Dibromo-3-Chloropropane
Concen: 47.839 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.006 min
Lab File: VY023111.D
Acq: 15 Aug 2025 08:39

Tgt Ion: 75 Resp: 27552
Ion Ratio Lower Upper
75 100
155 83.9 43.9 131.6
157 109.1 57.2 171.6

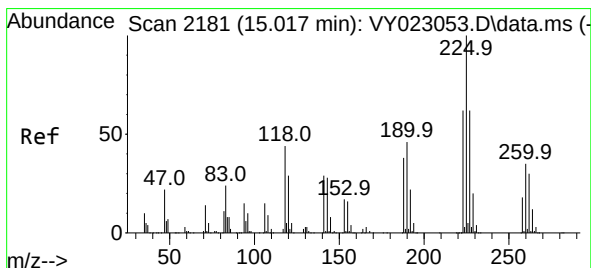
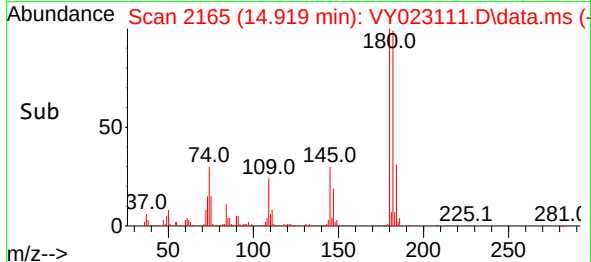
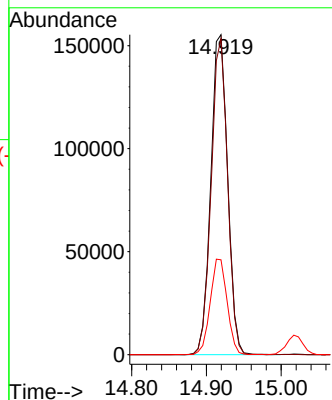
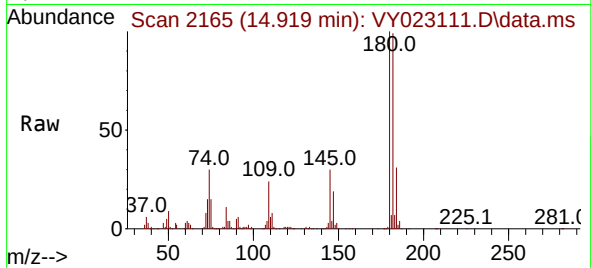




#93
1,2,4-Trichlorobenzene
Concen: 46.042 ug/l
RT: 14.919 min Scan# 2165
Delta R.T. 0.006 min
Lab File: VY023111.D
Acq: 15 Aug 2025 08:39

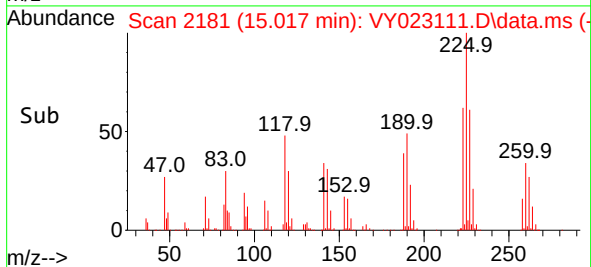
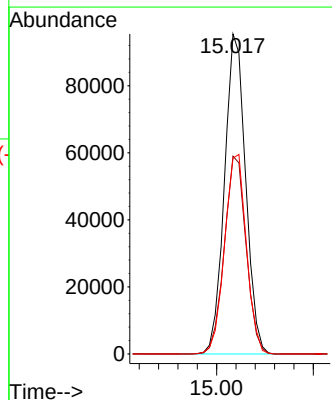
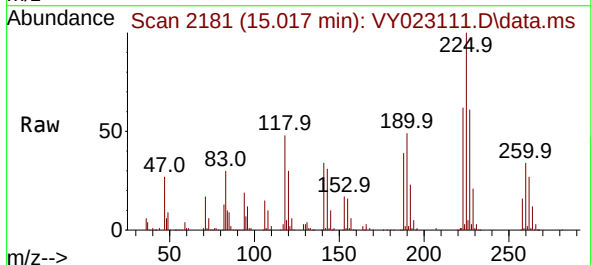
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

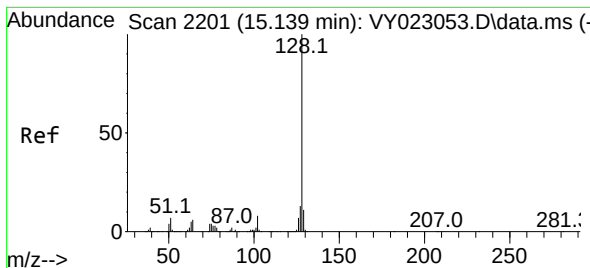
Tgt Ion:180 Resp: 243376
Ion Ratio Lower Upper
180 100
182 95.7 46.8 140.4
145 29.9 14.4 43.4



#94
Hexachlorobutadiene
Concen: 46.578 ug/l
RT: 15.017 min Scan# 2181
Delta R.T. 0.000 min
Lab File: VY023111.D
Acq: 15 Aug 2025 08:39

Tgt Ion:225 Resp: 144679
Ion Ratio Lower Upper
225 100
223 63.6 31.3 93.8
227 64.2 31.5 94.5





#95

Naphthalene

Concen: 45.340 ug/l

RT: 15.139 min Scan# 2201

Delta R.T. 0.000 min

Lab File: VY023111.D

Acq: 15 Aug 2025 08:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

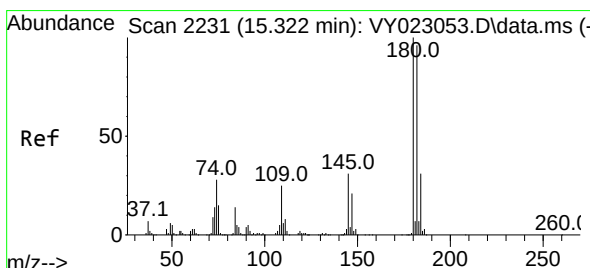
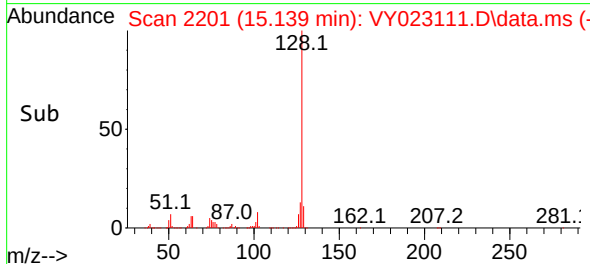
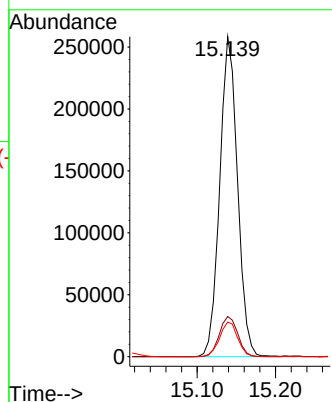
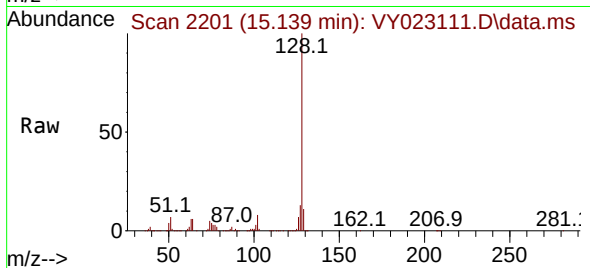
Tgt Ion:128 Resp: 408671

Ion Ratio Lower Upper

128 100

127 13.0 10.4 15.6

129 11.0 9.0 13.4



#96

1,2,3-Trichlorobenzene

Concen: 45.784 ug/l

RT: 15.322 min Scan# 2231

Delta R.T. 0.000 min

Lab File: VY023111.D

Acq: 15 Aug 2025 08:39

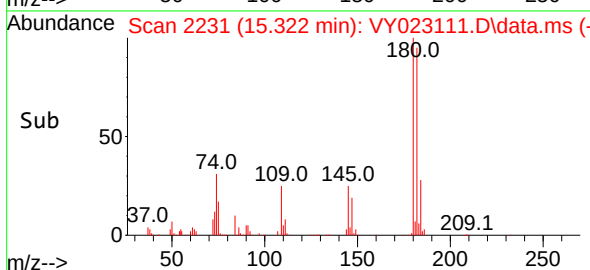
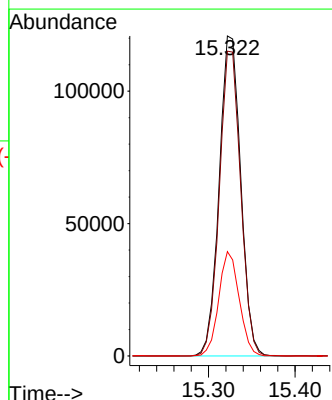
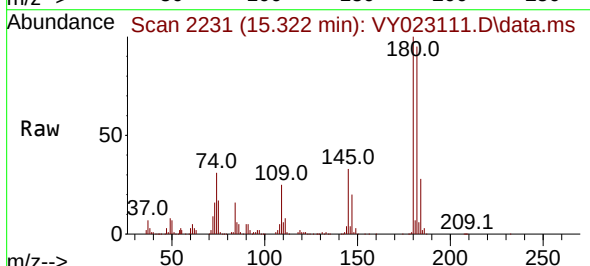
Tgt Ion:180 Resp: 208542

Ion Ratio Lower Upper

180 100

182 94.3 47.9 143.7

145 31.0 15.9 47.7



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081525\
 Data File : VY023113.D
 Acq On : 15 Aug 2025 09:37
 Operator : SY/MD
 Sample : VY0815SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0815SBS01

Quant Time: Aug 18 02:24:07 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 13 02:10:11 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	452403	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	727202	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	654458	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.341	152	327154	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	222883	51.692	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 103.380%	
35) Dibromofluoromethane	7.634	113	214583	49.314	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 98.620%	
50) Toluene-d8	10.103	98	852746	50.165	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 100.320%	
62) 4-Bromofluorobenzene	12.402	95	265399	48.547	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 97.100%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.861	85	72666	19.678	ug/l	95
3) Chloromethane	2.068	50	133033	22.242	ug/l	99
4) Vinyl Chloride	2.202	62	166453	22.514	ug/l	99
5) Bromomethane	2.586	94	140731	25.487	ug/l	99
6) Chloroethane	2.733	64	111737	22.732	ug/l	98
7) Trichlorofluoromethane	3.050	101	189636	21.094	ug/l	99
8) Diethyl Ether	3.452	74	47224	19.855	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.812	101	89471	20.173	ug/l	98
10) Methyl Iodide	4.001	142	86732	18.122	ug/l	98
11) Tert butyl alcohol	4.860	59	27882	94.376	ug/l	99
12) 1,1-Dichloroethene	3.787	96	86211	19.775	ug/l	96
13) Acrolein	3.647	56	38871	89.841	ug/l	100
14) Allyl chloride	4.379	41	123002	19.175	ug/l	98
15) Acrylonitrile	5.055	53	97096	100.413	ug/l	99
16) Acetone	3.867	43	106046	113.526	ug/l	96
17) Carbon Disulfide	4.104	76	285962	20.117	ug/l	99
18) Methyl Acetate	4.379	43	51562	18.549	ug/l	98
19) Methyl tert-butyl Ether	5.116	73	220832	19.548	ug/l	98
20) Methylene Chloride	4.610	84	108703	20.808	ug/l	98
21) trans-1,2-Dichloroethene	5.110	96	97531	19.907	ug/l	98
22) Diisopropyl ether	6.019	45	280592	20.129	ug/l	95
23) Vinyl Acetate	5.958	43	767186	99.534	ug/l	98
24) 1,1-Dichloroethane	5.915	63	173658	20.377	ug/l	99
25) 2-Butanone	6.890	43	133656	105.206	ug/l	100
26) 2,2-Dichloropropane	6.884	77	149423	20.319	ug/l	100
27) cis-1,2-Dichloroethene	6.884	96	113605	20.058	ug/l	97
28) Bromochloromethane	7.238	49	74111	21.919	ug/l	96
29) Tetrahydrofuran	7.262	42	77082	97.884	ug/l	99
30) Chloroform	7.415	83	183779	20.909	ug/l	92
31) Cyclohexane	7.701	56	151804	18.902	ug/l	95
32) 1,1,1-Trichloroethane	7.616	97	157956	20.254	ug/l	99
36) 1,1-Dichloropropene	7.835	75	129384	20.008	ug/l	99
37) Ethyl Acetate	6.982	43	55493	20.428	ug/l	98
38) Carbon Tetrachloride	7.817	117	137873	19.630	ug/l	99
39) Methylcyclohexane	9.103	83	159285	18.705	ug/l	99
40) Benzene	8.079	78	405603	20.350	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081525\
 Data File : VY023113.D
 Acq On : 15 Aug 2025 09:37
 Operator : SY/MD
 Sample : VY0815SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0815SBS01

Quant Time: Aug 18 02:24:07 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 13 02:10:11 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	28150	17.956	ug/l	90
42) 1,2-Dichloroethane	8.152	62	106658	20.575	ug/l	98
43) Isopropyl Acetate	8.195	43	107344	19.551	ug/l	99
44) Trichloroethene	8.860	130	105377	20.459	ug/l	100
45) 1,2-Dichloropropane	9.140	63	93789	20.451	ug/l	100
46) Dibromomethane	9.231	93	54800	20.819	ug/l	97
47) Bromodichloromethane	9.420	83	141008	20.819	ug/l	100
48) Methyl methacrylate	9.219	41	49562	18.864	ug/l	98
49) 1,4-Dioxane	9.238	88	12370	400.796	ug/l	97
51) 4-Methyl-2-Pentanone	9.994	43	277163	97.864	ug/l	100
52) Toluene	10.170	92	255717	20.201	ug/l	99
53) t-1,3-Dichloropropene	10.390	75	121993	19.890	ug/l	97
54) cis-1,3-Dichloropropene	9.853	75	142316	19.623	ug/l	98
55) 1,1,2-Trichloroethane	10.567	97	71057	20.174	ug/l	98
56) Ethyl methacrylate	10.439	69	86412	19.173	ug/l	98
57) 1,3-Dichloropropane	10.713	76	118549	19.846	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.707	63	208567	98.106	ug/l	100
59) 2-Hexanone	10.756	43	193382	100.277	ug/l	99
60) Dibromochloromethane	10.908	129	93374	20.091	ug/l	99
61) 1,2-Dibromoethane	11.012	107	66622	20.125	ug/l	98
64) Tetrachloroethene	10.646	164	127239	21.773	ug/l	93
65) Chlorobenzene	11.438	112	274616	19.453	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.512	131	93262	19.466	ug/l	98
67) Ethyl Benzene	11.518	91	456905	18.808	ug/l	98
68) m/p-Xylenes	11.627	106	365819	38.555	ug/l	98
69) o-Xylene	11.951	106	165713	18.648	ug/l	98
70) Styrene	11.969	104	281721	19.385	ug/l	99
71) Bromoform	12.127	173	52326	18.687	ug/l #	98
73) Isopropylbenzene	12.249	105	433053	18.755	ug/l	99
74) N-amyl acetate	12.066	43	91104	18.605	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.499	83	71400	18.110	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	101444	32.129	ug/l #	100
77) Bromobenzene	12.530	156	104694	19.006	ug/l	97
78) n-propylbenzene	12.591	91	527930	19.204	ug/l	100
79) 2-Chlorotoluene	12.676	91	298409	18.946	ug/l	100
80) 1,3,5-Trimethylbenzene	12.731	105	351759	18.850	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.298	75	24161	18.524	ug/l	95
82) 4-Chlorotoluene	12.774	91	307174	18.799	ug/l	99
83) tert-Butylbenzene	12.993	119	305956	18.153	ug/l	98
84) 1,2,4-Trimethylbenzene	13.042	105	356647	19.199	ug/l	99
85) sec-Butylbenzene	13.170	105	468353	18.917	ug/l	100
86) p-Isopropyltoluene	13.286	119	388353	18.897	ug/l	100
87) 1,3-Dichlorobenzene	13.286	146	206995	19.055	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	207638	19.268	ug/l	99
89) n-Butylbenzene	13.615	91	353333	18.720	ug/l	98
90) Hexachloroethane	13.877	117	82985	19.725	ug/l	97
91) 1,2-Dichlorobenzene	13.658	146	180503	18.946	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.267	75	12160	19.809	ug/l	96
93) 1,2,4-Trichlorobenzene	14.913	180	102405	18.177	ug/l	99
94) Hexachlorobutadiene	15.017	225	61940	18.710	ug/l	98
95) Naphthalene	15.139	128	168145	17.503	ug/l	99
96) 1,2,3-Trichlorobenzene	15.322	180	86860	17.892	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081525\
Data File : VY023113.D
Acq On : 15 Aug 2025 09:37
Operator : SY/MD
Sample : VY0815SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0815SBS01

Quant Time: Aug 18 02:24:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

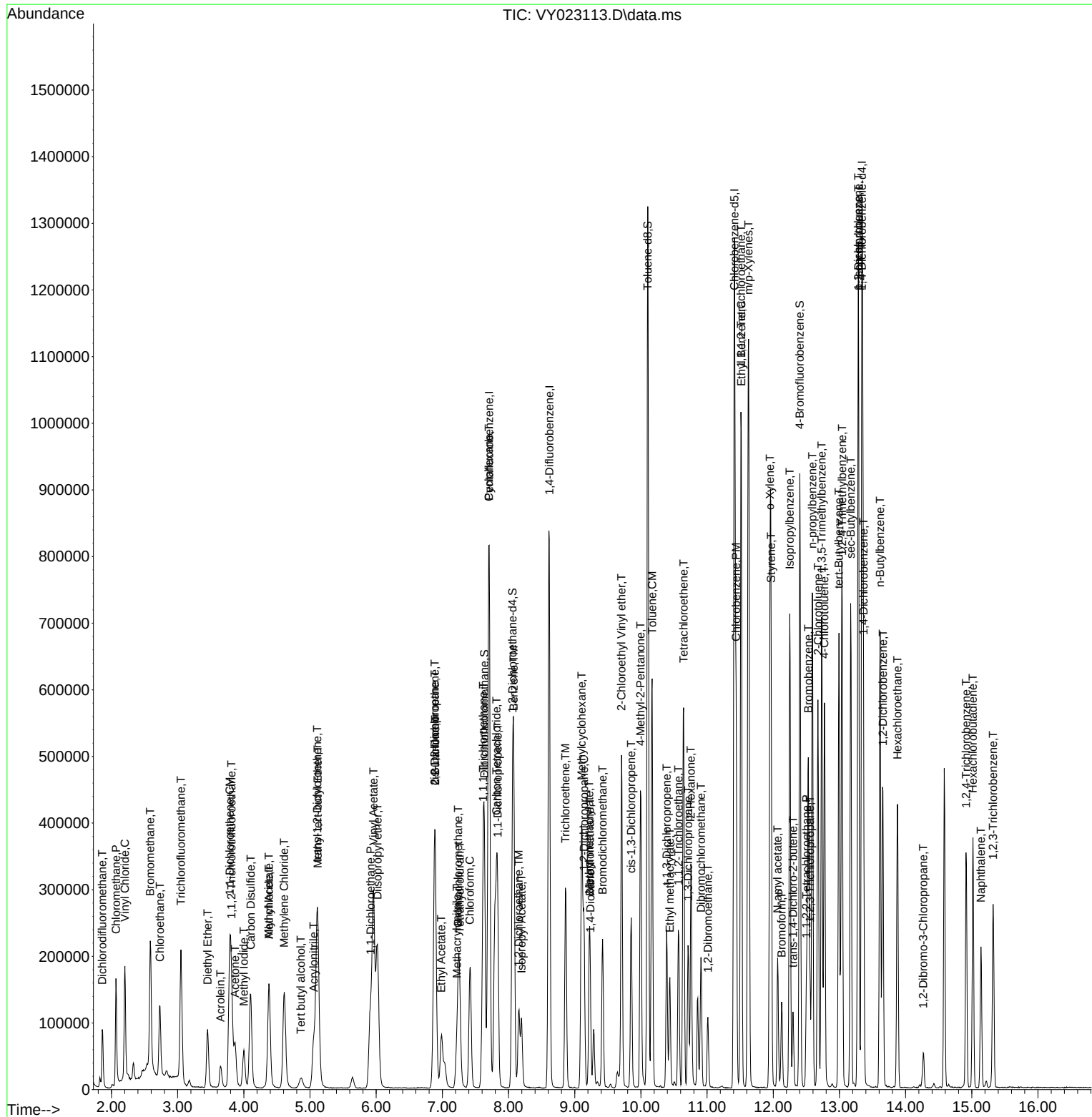
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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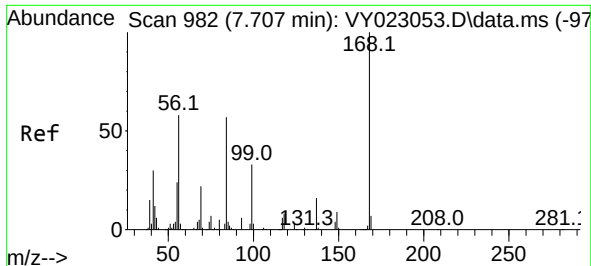
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081525\
Data File : VY023113.D
Acq On : 15 Aug 2025 09:37
Operator : SY/MD
Sample : VY0815SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0815SBS01

Quant Time: Aug 18 02:24:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

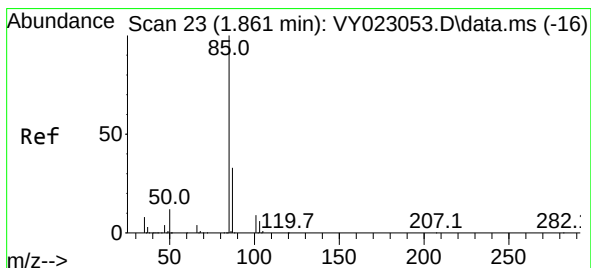
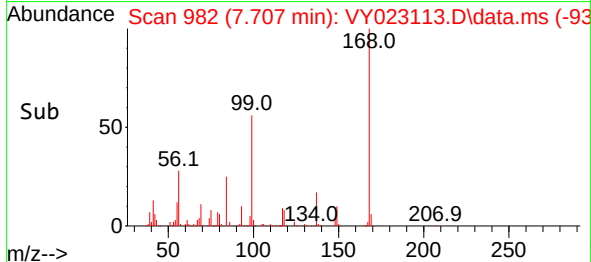
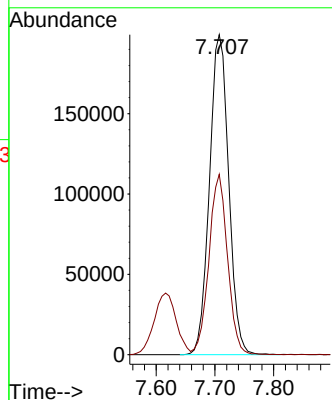
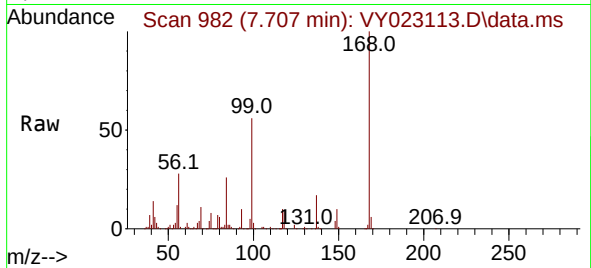




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY023113.D
Acq: 15 Aug 2025 09:37

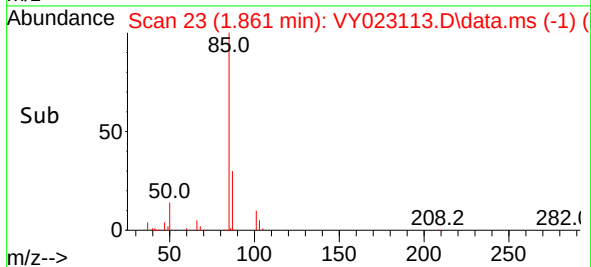
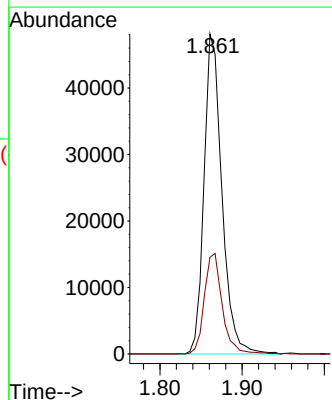
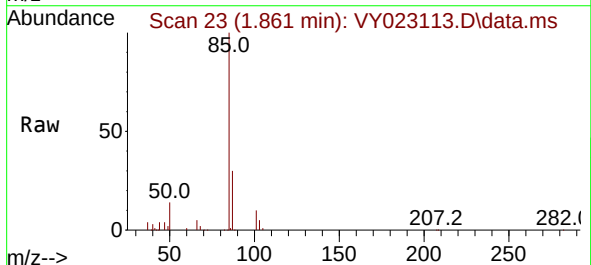
Instrument :
MSVOA_Y
ClientSampleId :
VY0815SBS01

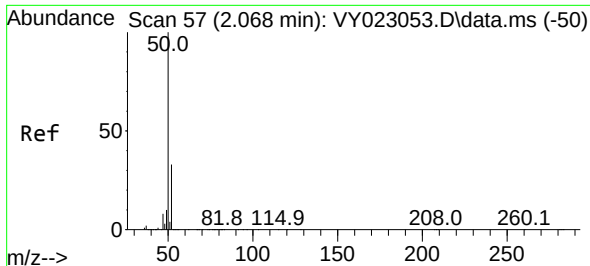
Tgt Ion:168 Resp: 452403
Ion Ratio Lower Upper
168 100
99 56.3 42.8 64.2



#2
Dichlorodifluoromethane
Concen: 19.678 ug/l
RT: 1.861 min Scan# 23
Delta R.T. 0.000 min
Lab File: VY023113.D
Acq: 15 Aug 2025 09:37

Tgt Ion: 85 Resp: 72666
Ion Ratio Lower Upper
85 100
87 30.2 16.6 49.8

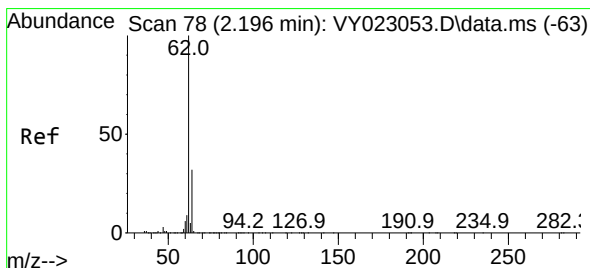
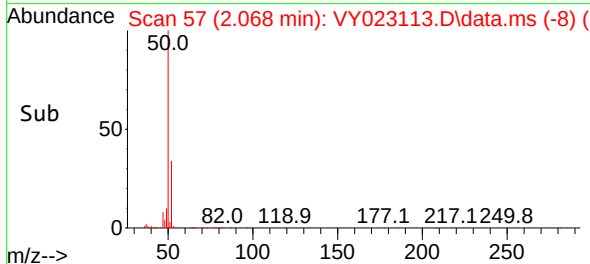
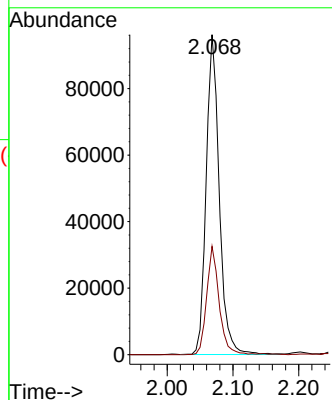
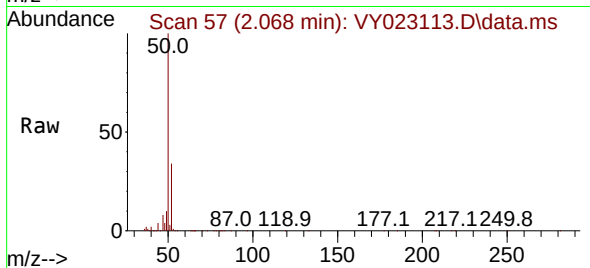




#3
Chloromethane
Concen: 22.242 ug/l
RT: 2.068 min Scan# 51
Delta R.T. 0.000 min
Lab File: VY023113.D
Acq: 15 Aug 2025 09:37

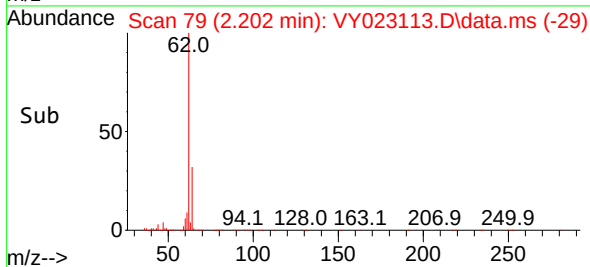
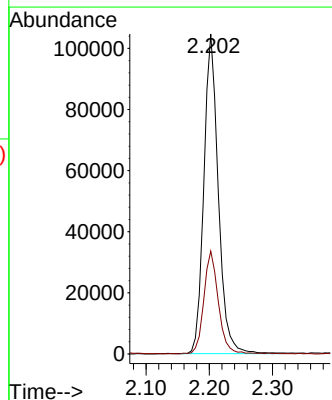
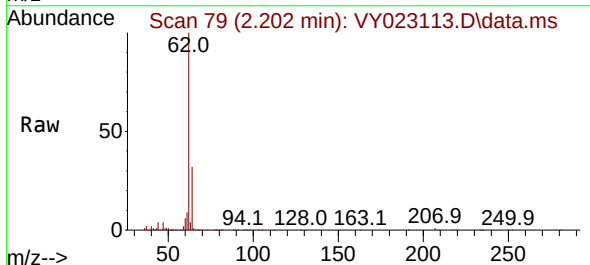
Instrument :
MSVOA_Y
ClientSampleId :
VY0815SBS01

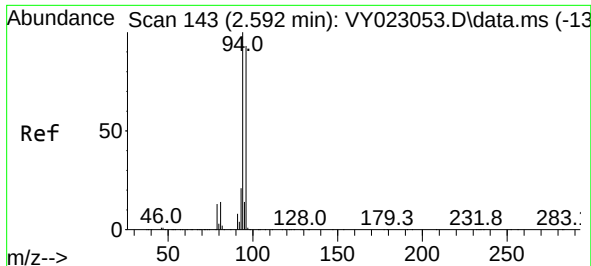
Tgt Ion: 50 Resp: 133033
Ion Ratio Lower Upper
50 100
52 33.9 26.7 40.1



#4
Vinyl Chloride
Concen: 22.514 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.006 min
Lab File: VY023113.D
Acq: 15 Aug 2025 09:37

Tgt Ion: 62 Resp: 166453
Ion Ratio Lower Upper
62 100
64 32.1 25.4 38.0

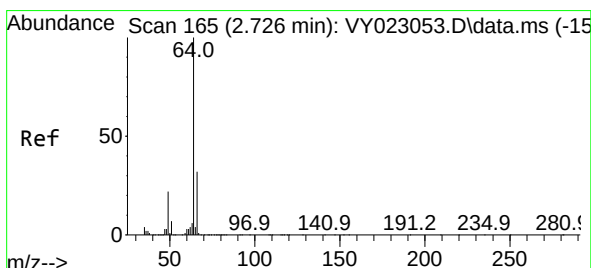
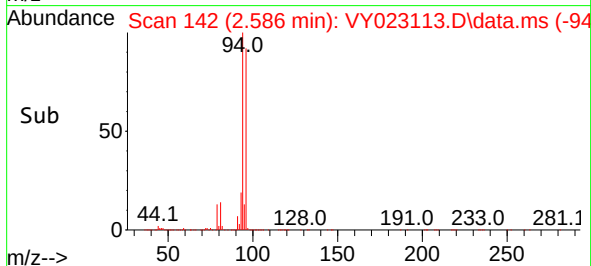
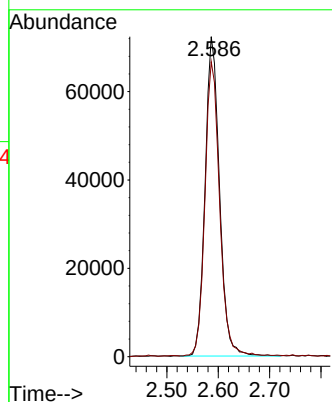
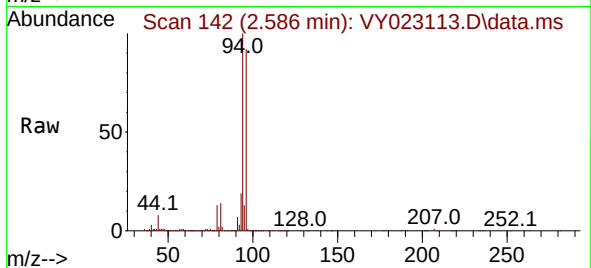




#5
Bromomethane
Concen: 25.487 ug/l
RT: 2.586 min Scan# 143
Delta R.T. -0.006 min
Lab File: VY023113.D
Acq: 15 Aug 2025 09:37

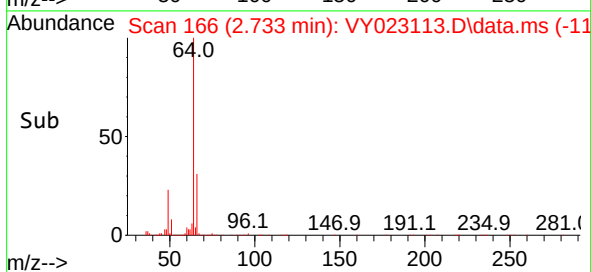
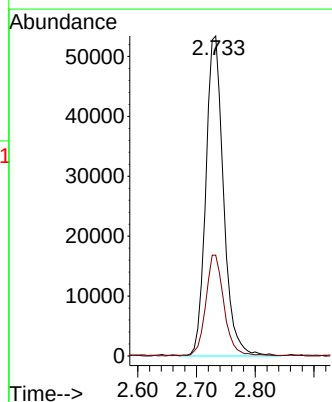
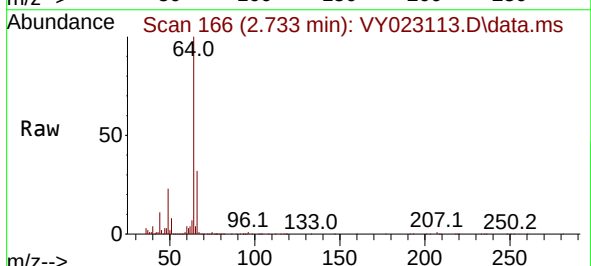
Instrument :
MSVOA_Y
ClientSampleId :
VY0815SBS01

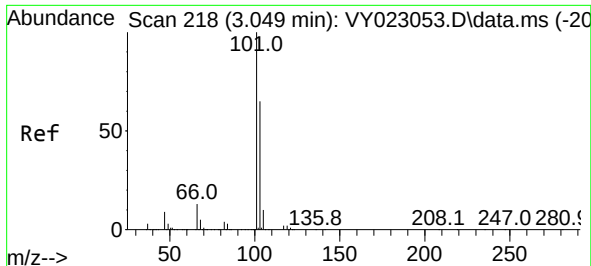
Tgt Ion: 94 Resp: 140731
Ion Ratio Lower Upper
94 100
96 92.1 74.6 112.0



#6
Chloroethane
Concen: 22.732 ug/l
RT: 2.733 min Scan# 166
Delta R.T. 0.006 min
Lab File: VY023113.D
Acq: 15 Aug 2025 09:37

Tgt Ion: 64 Resp: 111737
Ion Ratio Lower Upper
64 100
66 31.3 25.8 38.6

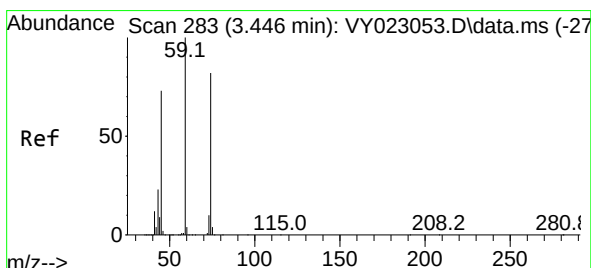
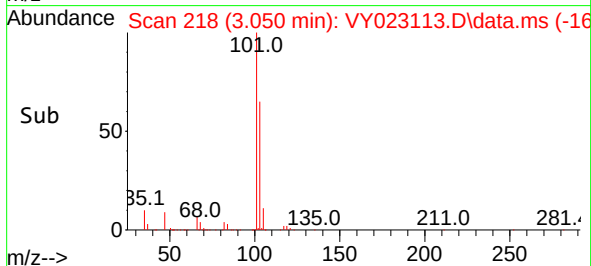
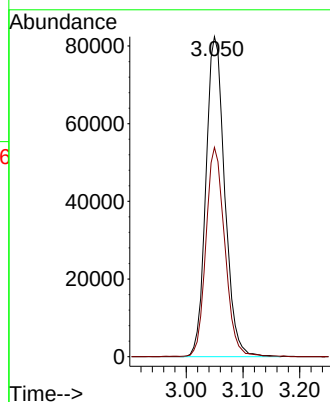
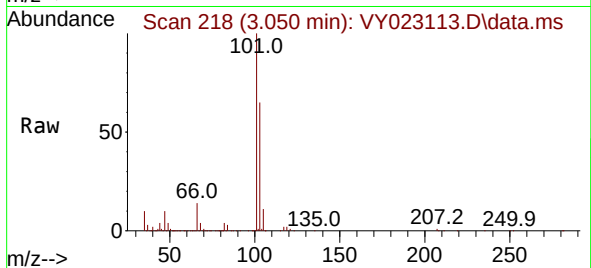




#7
 Trichlorofluoromethane
 Concen: 21.094 ug/l
 RT: 3.050 min Scan# 218
 Delta R.T. 0.000 min
 Lab File: VY023113.D
 Acq: 15 Aug 2025 09:37

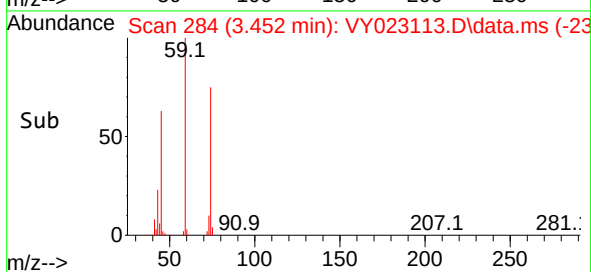
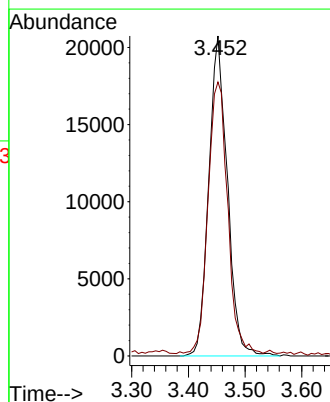
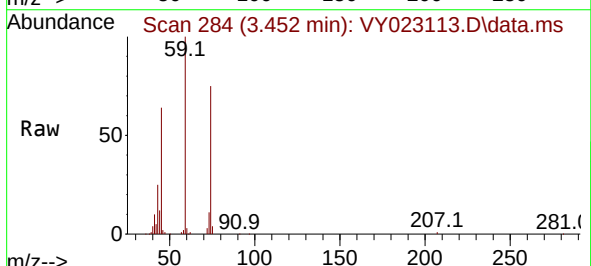
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0815SBS01

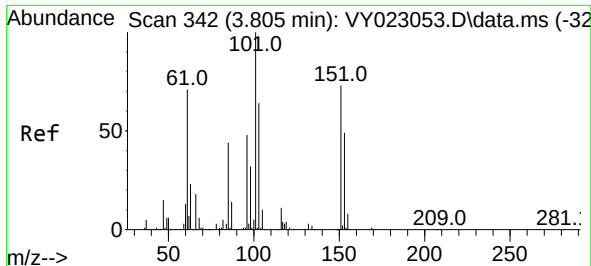
Tgt Ion:101 Resp: 189636
 Ion Ratio Lower Upper
 101 100
 103 65.3 51.9 77.9



#8
 Diethyl Ether
 Concen: 19.855 ug/l
 RT: 3.452 min Scan# 284
 Delta R.T. 0.006 min
 Lab File: VY023113.D
 Acq: 15 Aug 2025 09:37

Tgt Ion: 74 Resp: 47224
 Ion Ratio Lower Upper
 74 100
 45 89.4 44.4 133.2

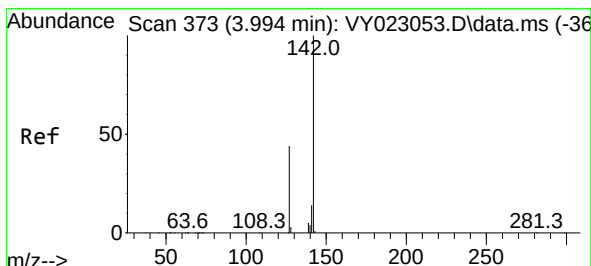
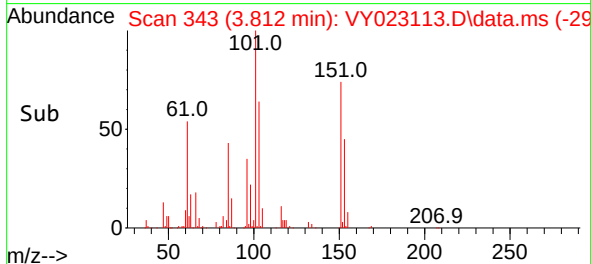
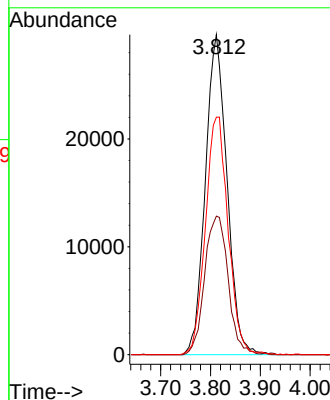
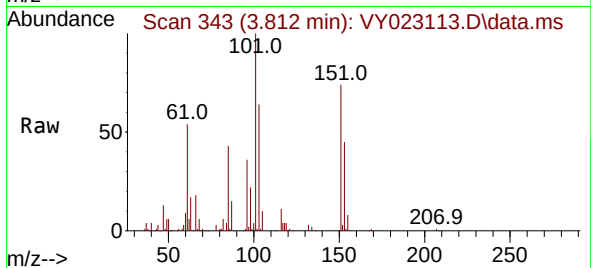




#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.173 ug/l
RT: 3.812 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY023113.D
Acq: 15 Aug 2025 09:37

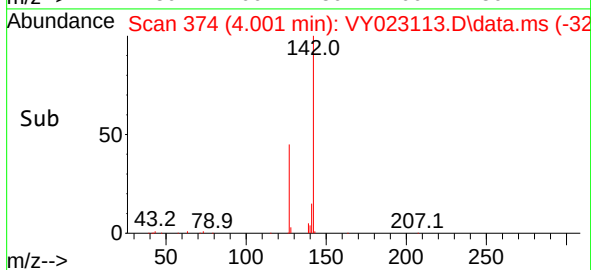
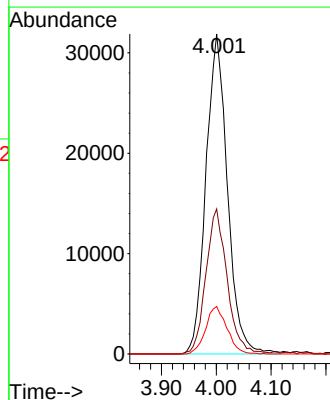
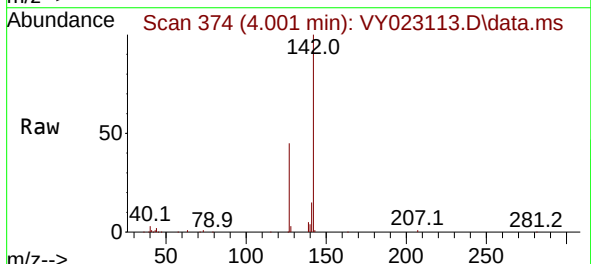
Instrument :
MSVOA_Y
ClientSampleId :
VY0815SBS01

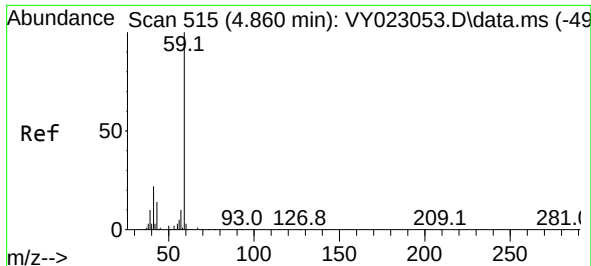
Tgt Ion:101 Resp: 89471
Ion Ratio Lower Upper
101 100
85 46.8 36.3 54.5
151 78.1 61.5 92.3



#10
Methyl Iodide
Concen: 18.122 ug/l
RT: 4.001 min Scan# 374
Delta R.T. 0.006 min
Lab File: VY023113.D
Acq: 15 Aug 2025 09:37

Tgt Ion:142 Resp: 86732
Ion Ratio Lower Upper
142 100
127 44.8 34.9 52.3
141 14.7 11.3 16.9

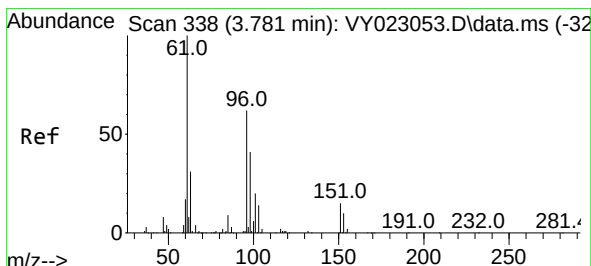
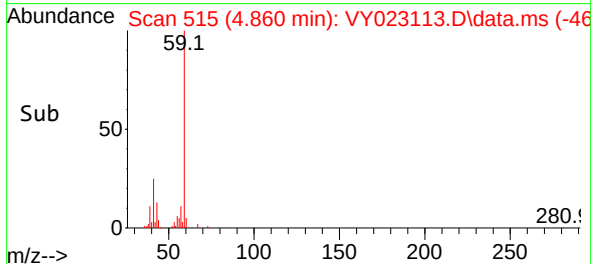
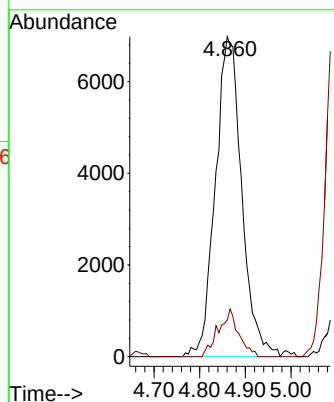
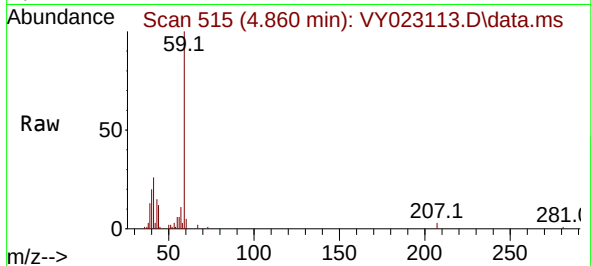




#11
Tert butyl alcohol
Concen: 94.376 ug/l
RT: 4.860 min Scan# 515
Delta R.T. 0.000 min
Lab File: VY023113.D
Acq: 15 Aug 2025 09:37

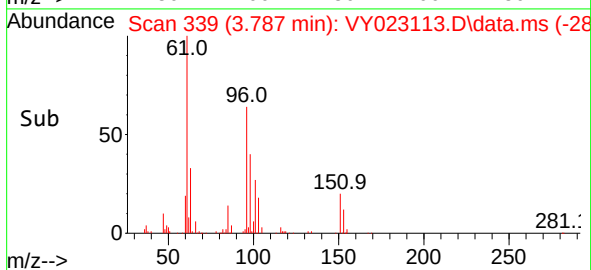
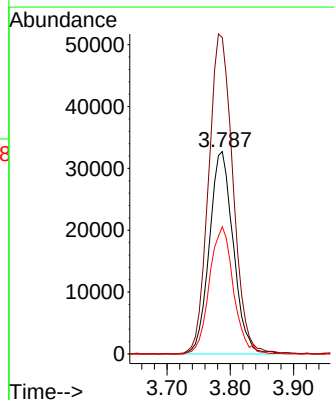
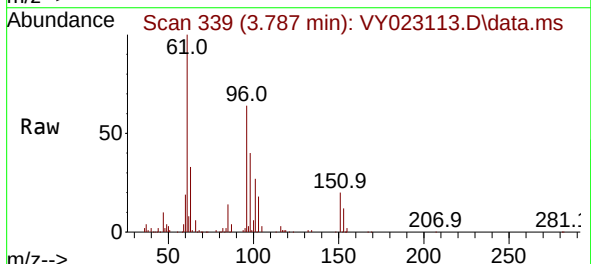
Instrument :
MSVOA_Y
ClientSampleId :
VY0815SBS01

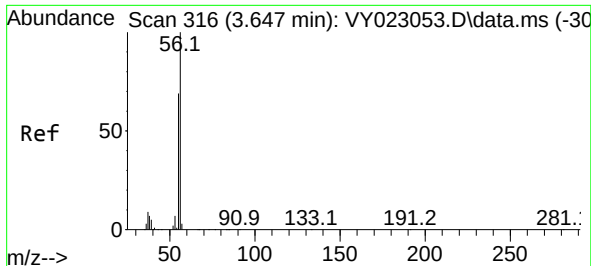
Tgt Ion: 59 Resp: 27882
Ion Ratio Lower Upper
59 100
57 11.3 8.6 13.0



#12
1,1-Dichloroethene
Concen: 19.775 ug/l
RT: 3.787 min Scan# 339
Delta R.T. 0.006 min
Lab File: VY023113.D
Acq: 15 Aug 2025 09:37

Tgt Ion: 96 Resp: 86211
Ion Ratio Lower Upper
96 100
61 156.1 129.4 194.2
98 62.8 52.8 79.2

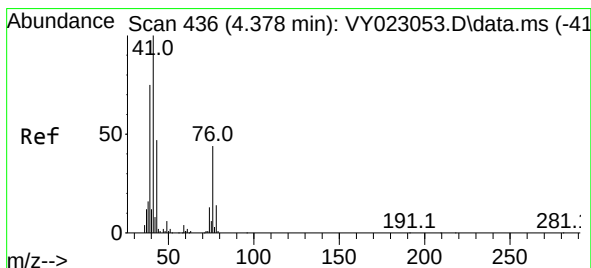
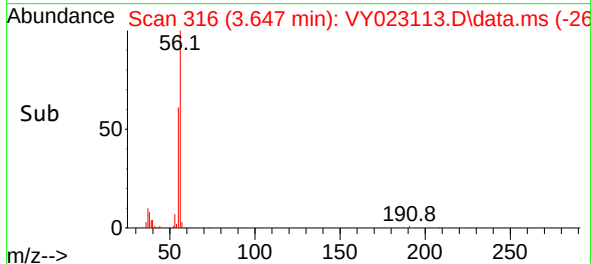
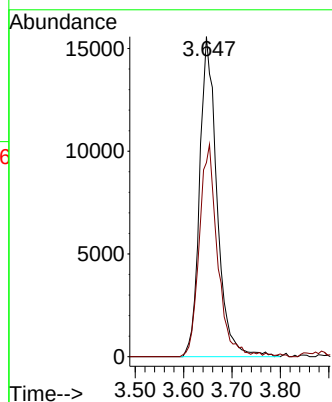
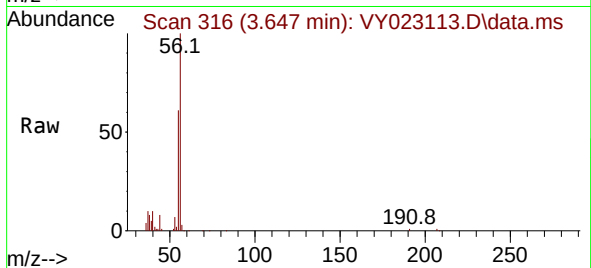




#13
Acrolein
Concen: 89.841 ug/l
RT: 3.647 min Scan# 316
Delta R.T. 0.000 min
Lab File: VY023113.D
Acq: 15 Aug 2025 09:37

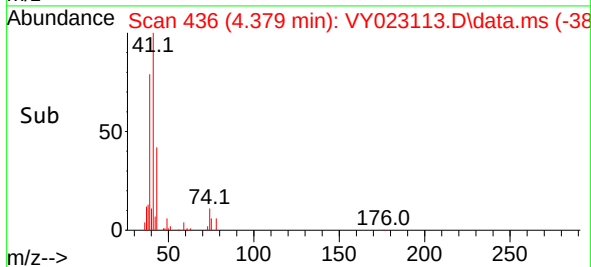
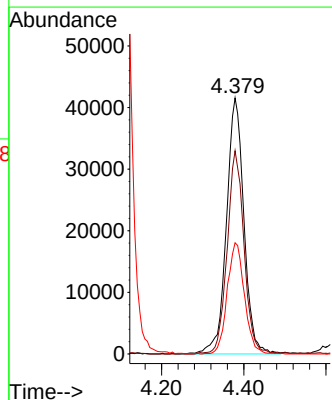
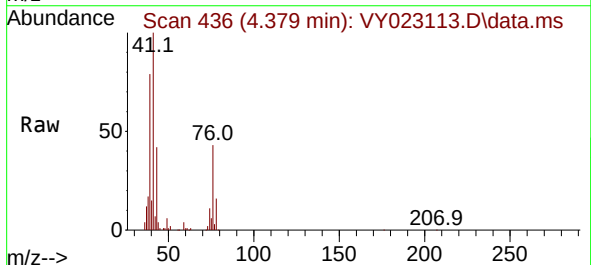
Instrument :
MSVOA_Y
ClientSampleId :
VY0815SBS01

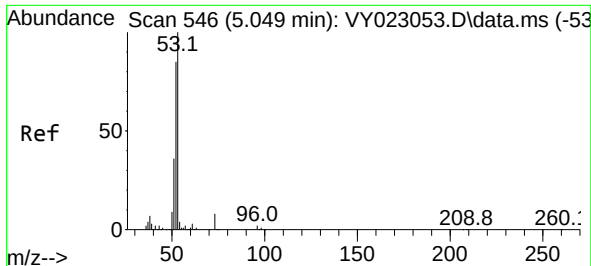
Tgt Ion: 56 Resp: 38871
Ion Ratio Lower Upper
56 100
55 69.2 55.2 82.8



#14
Allyl chloride
Concen: 19.175 ug/l
RT: 4.379 min Scan# 436
Delta R.T. 0.000 min
Lab File: VY023113.D
Acq: 15 Aug 2025 09:37

Tgt Ion: 41 Resp: 123002
Ion Ratio Lower Upper
41 100
39 76.3 59.8 89.6
76 42.7 33.7 50.5

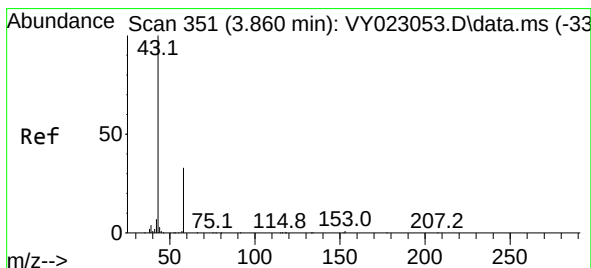
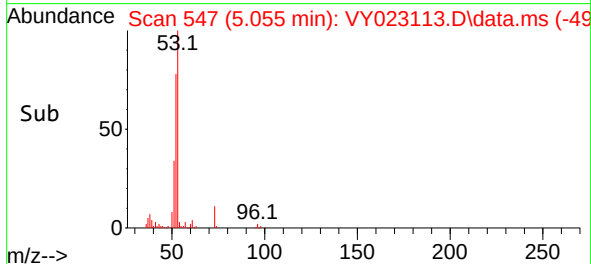
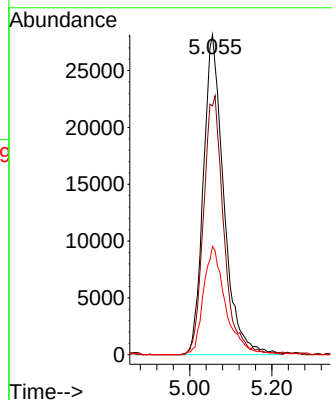
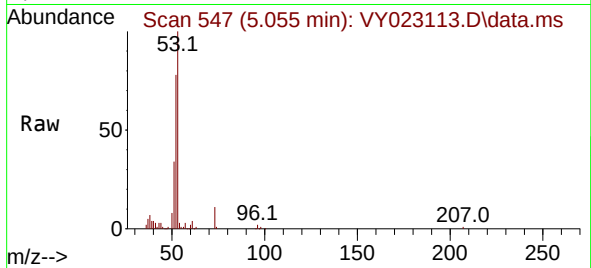




#15
Acrylonitrile
Concen: 100.413 ug/l
RT: 5.055 min Scan# 54
Delta R.T. 0.006 min
Lab File: VY023113.D
Acq: 15 Aug 2025 09:37

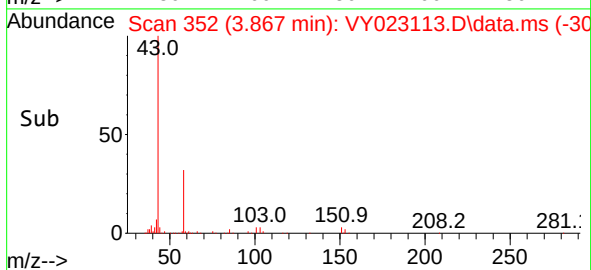
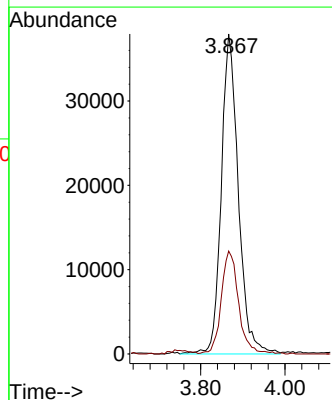
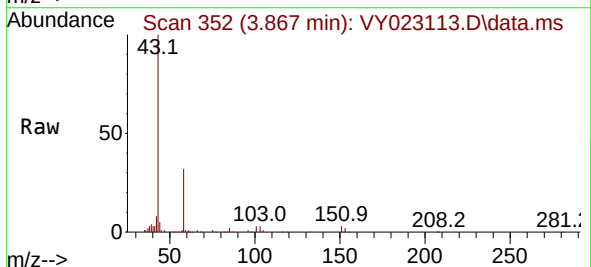
Instrument :
MSVOA_Y
ClientSampleId :
VY0815SBS01

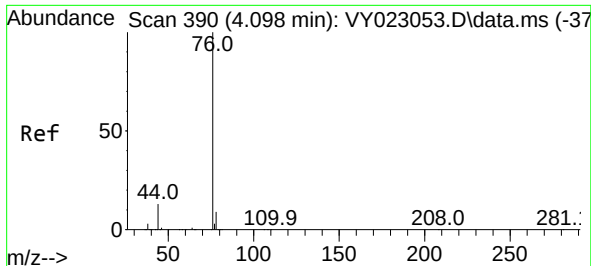
Tgt Ion: 53 Resp: 97096
Ion Ratio Lower Upper
53 100
52 79.8 65.3 97.9
51 36.7 29.5 44.3



#16
Acetone
Concen: 113.526 ug/l
RT: 3.867 min Scan# 352
Delta R.T. 0.006 min
Lab File: VY023113.D
Acq: 15 Aug 2025 09:37

Tgt Ion: 43 Resp: 106046
Ion Ratio Lower Upper
43 100
58 31.8 27.1 40.7

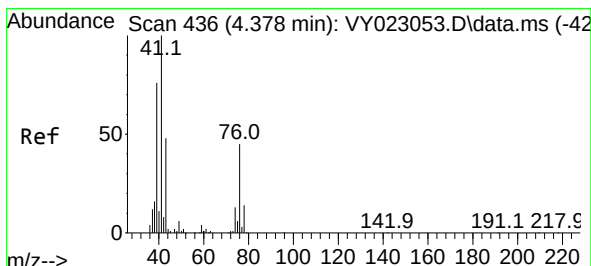
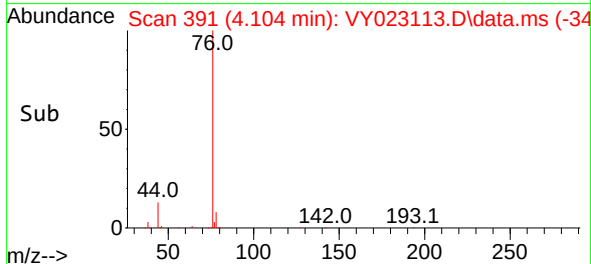
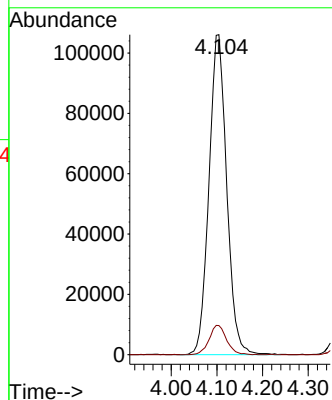
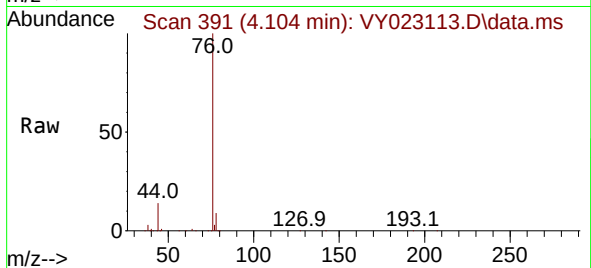




#17
Carbon Disulfide
Concen: 20.117 ug/l
RT: 4.104 min Scan# 391
Delta R.T. 0.006 min
Lab File: VY023113.D
Acq: 15 Aug 2025 09:37

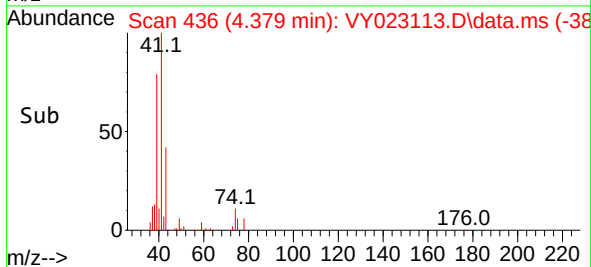
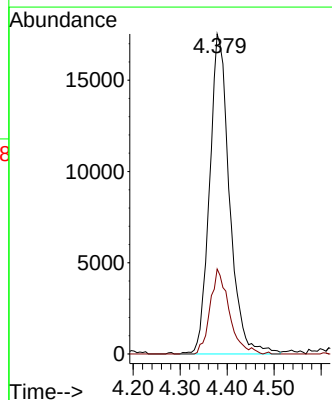
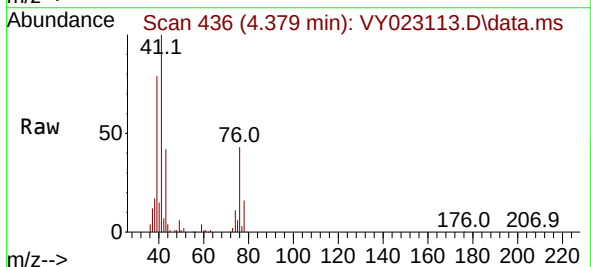
Instrument :
MSVOA_Y
ClientSampleId :
VY0815SBS01

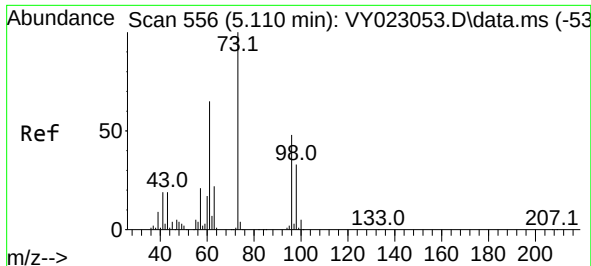
Tgt Ion: 76 Resp: 285962
Ion Ratio Lower Upper
76 100
78 9.1 7.4 11.2



#18
Methyl Acetate
Concen: 18.549 ug/l
RT: 4.379 min Scan# 436
Delta R.T. 0.000 min
Lab File: VY023113.D
Acq: 15 Aug 2025 09:37

Tgt Ion: 43 Resp: 51562
Ion Ratio Lower Upper
43 100
74 25.4 21.2 31.8

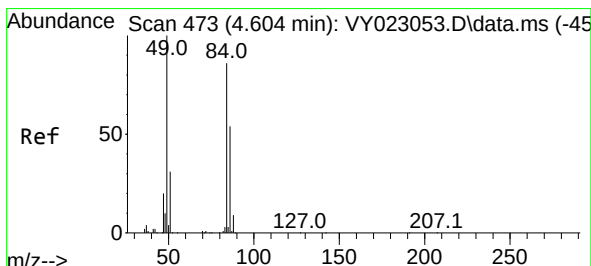
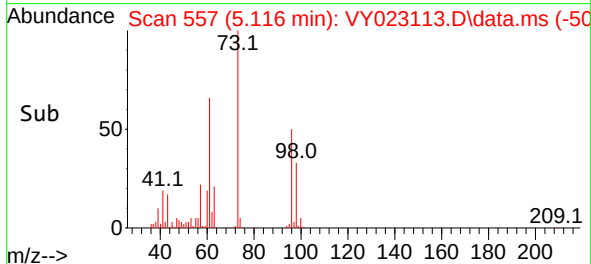
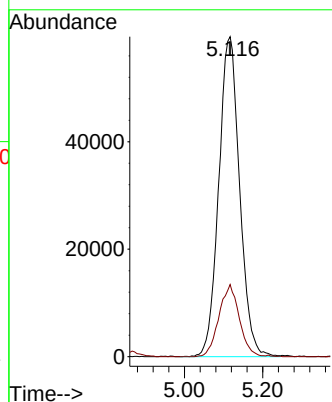
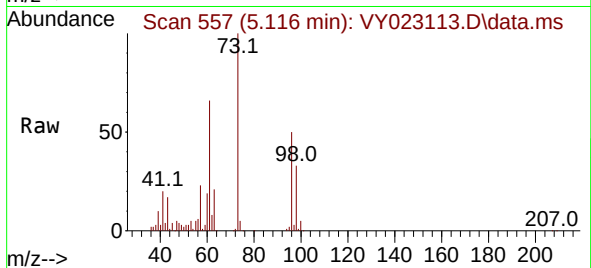




#19
Methyl tert-butyl Ether
Concen: 19.548 ug/l
RT: 5.116 min Scan# 51
Delta R.T. 0.006 min
Lab File: VY023113.D
Acq: 15 Aug 2025 09:37

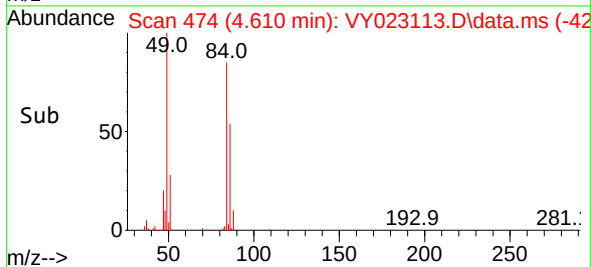
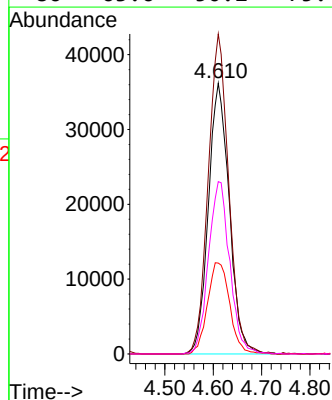
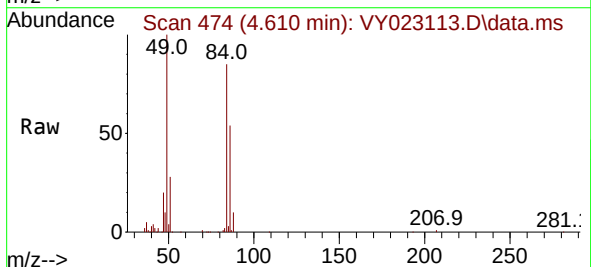
Instrument :
MSVOA_Y
ClientSampleId :
VY0815SBS01

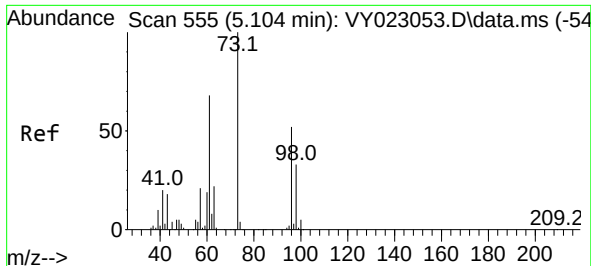
Tgt Ion: 73 Resp: 220832
Ion Ratio Lower Upper
73 100
57 22.5 17.1 25.7



#20
Methylene Chloride
Concen: 20.808 ug/l
RT: 4.610 min Scan# 474
Delta R.T. 0.006 min
Lab File: VY023113.D
Acq: 15 Aug 2025 09:37

Tgt Ion: 84 Resp: 108703
Ion Ratio Lower Upper
84 100
49 118.2 93.0 139.6
51 33.5 29.0 43.4
86 63.6 50.2 75.4

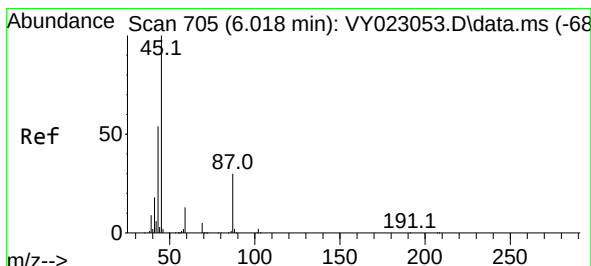
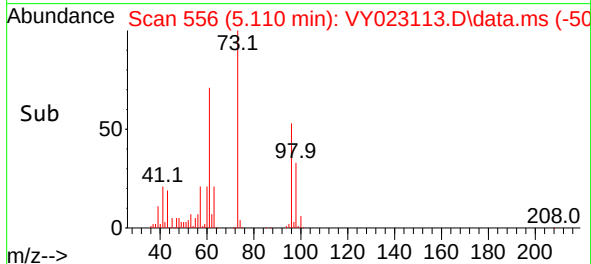
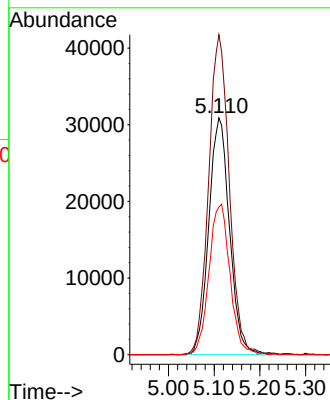
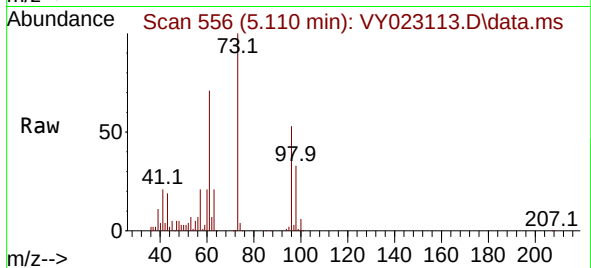




#21
trans-1,2-Dichloroethene
Concen: 19.907 ug/l
RT: 5.110 min Scan# 5110
Delta R.T. 0.006 min
Lab File: VY023113.D
Acq: 15 Aug 2025 09:37

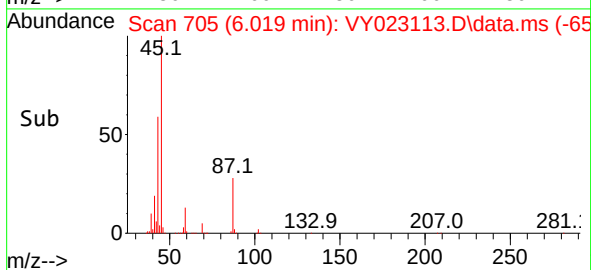
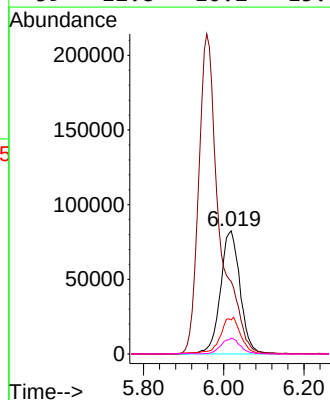
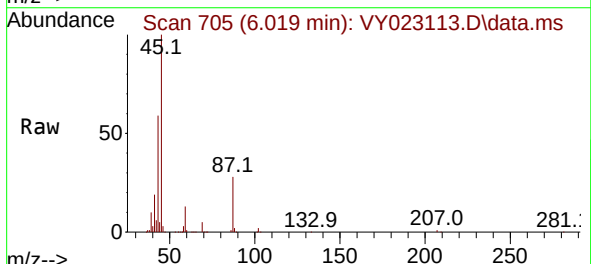
Instrument :
MSVOA_Y
ClientSampleId :
VY0815SBS01

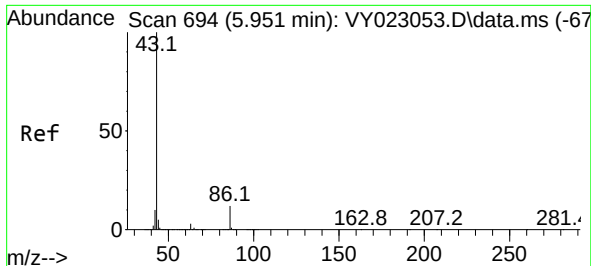
Tgt Ion: 96 Resp: 97531
Ion Ratio Lower Upper
96 100
61 135.1 104.8 157.2
98 62.3 50.1 75.1



#22
Diisopropyl ether
Concen: 20.129 ug/l
RT: 6.019 min Scan# 705
Delta R.T. 0.000 min
Lab File: VY023113.D
Acq: 15 Aug 2025 09:37

Tgt Ion: 45 Resp: 280592
Ion Ratio Lower Upper
45 100
43 58.6 43.4 65.0
87 27.7 24.4 36.6
59 12.8 10.2 15.4

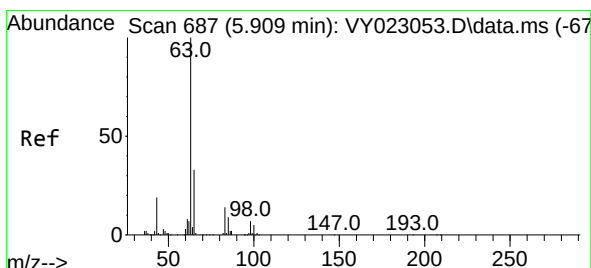
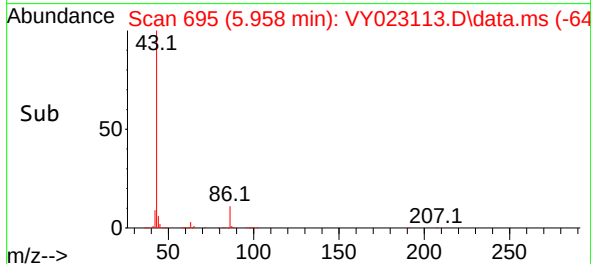
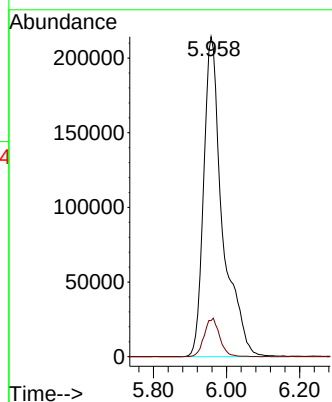
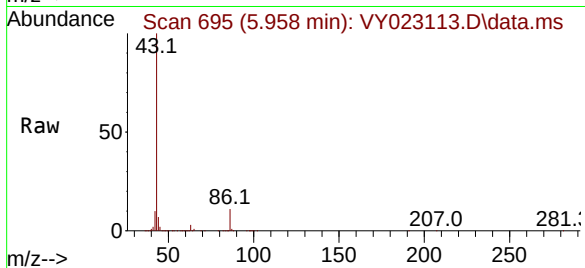




#23
 Vinyl Acetate
 Concen: 99.534 ug/l
 RT: 5.958 min Scan# 694
 Delta R.T. 0.006 min
 Lab File: VY023113.D
 Acq: 15 Aug 2025 09:37

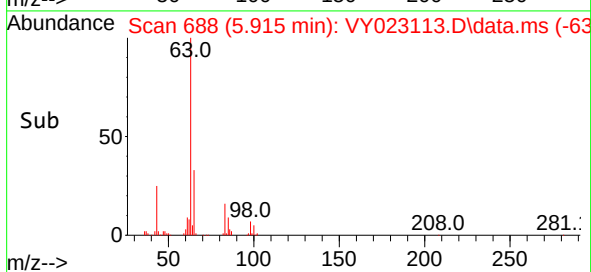
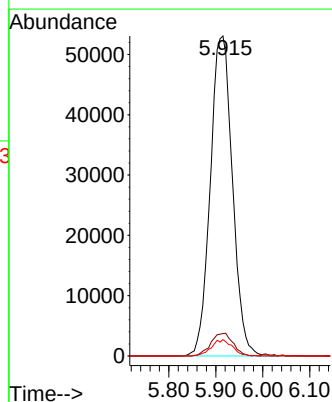
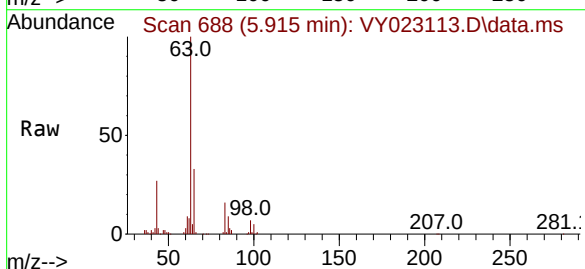
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0815SBS01

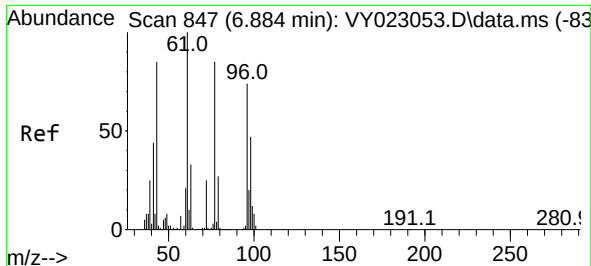
Tgt Ion: 43 Resp: 767186
 Ion Ratio Lower Upper
 43 100
 86 11.2 9.6 14.4



#24
 1,1-Dichloroethane
 Concen: 20.377 ug/l
 RT: 5.915 min Scan# 688
 Delta R.T. 0.006 min
 Lab File: VY023113.D
 Acq: 15 Aug 2025 09:37

Tgt Ion: 63 Resp: 173658
 Ion Ratio Lower Upper
 63 100
 98 7.0 3.5 10.6
 100 5.1 2.4 7.1





#25

2-Butanone

Concen: 105.206 ug/l

RT: 6.890 min Scan# 84

Delta R.T. 0.006 min

Lab File: VY023113.D

Acq: 15 Aug 2025 09:37

Instrument :

MSVOA_Y

ClientSampleId :

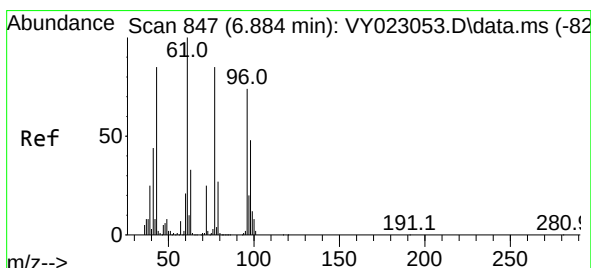
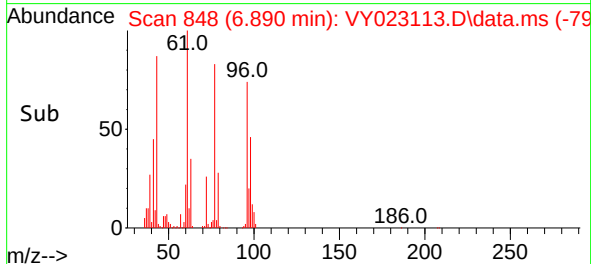
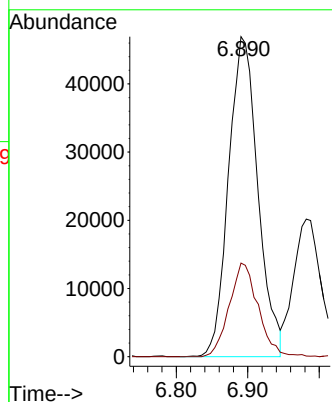
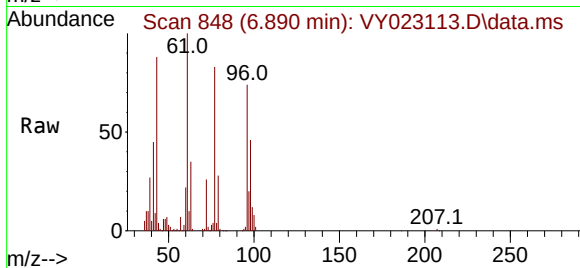
VY0815SBS01

Tgt Ion: 43 Resp: 133656

Ion Ratio Lower Upper

43 100

72 29.3 23.5 35.3



#26

2,2-Dichloropropane

Concen: 20.319 ug/l

RT: 6.884 min Scan# 847

Delta R.T. 0.000 min

Lab File: VY023113.D

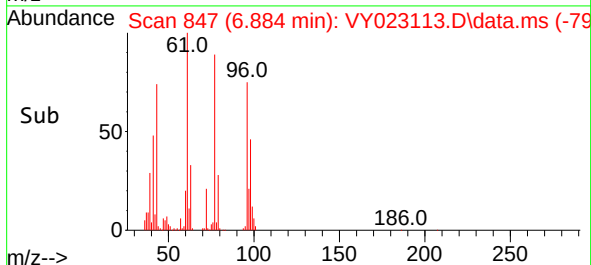
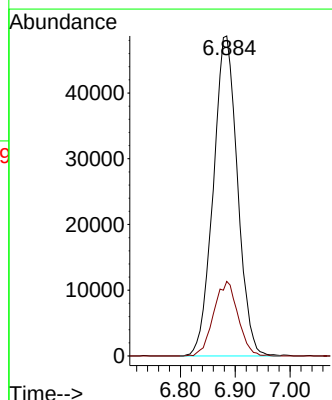
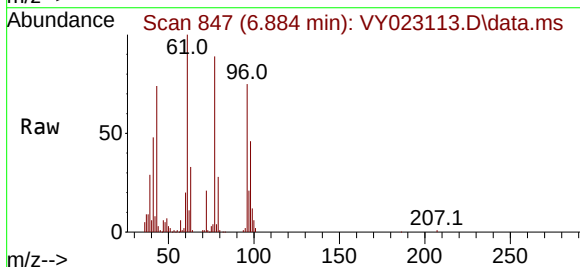
Acq: 15 Aug 2025 09:37

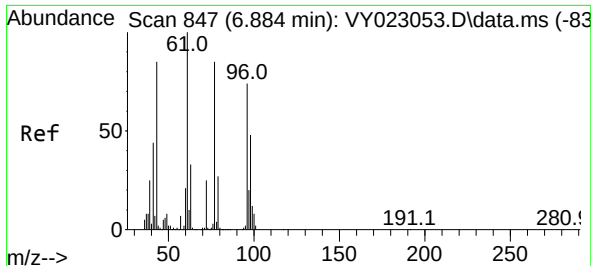
Tgt Ion: 77 Resp: 149423

Ion Ratio Lower Upper

77 100

97 23.4 11.6 34.8





#27

cis-1,2-Dichloroethene

Concen: 20.058 ug/l

RT: 6.884 min Scan# 847

Delta R.T. 0.000 min

Lab File: VY023113.D

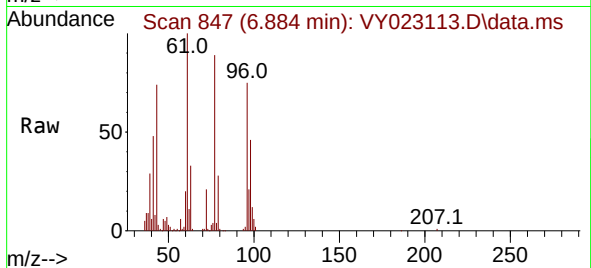
Acq: 15 Aug 2025 09:37

Instrument :

MSVOA_Y

ClientSampleId :

VY0815SBS01



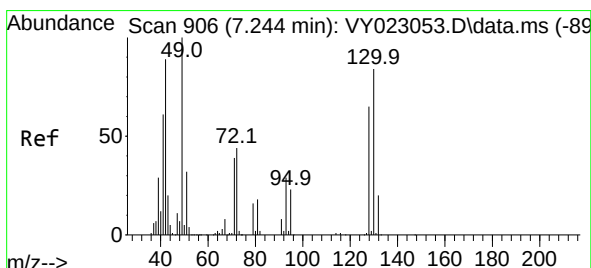
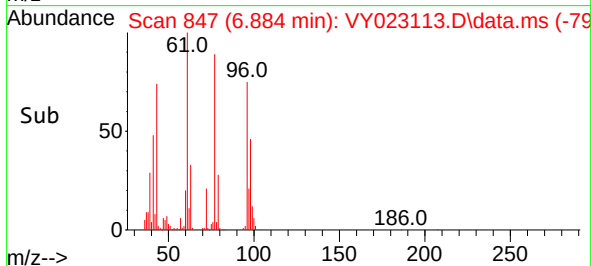
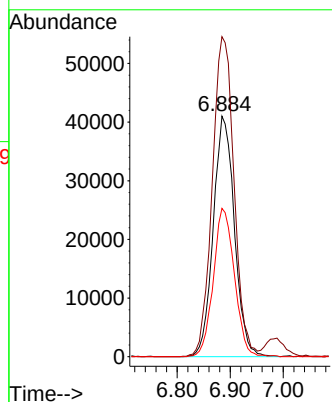
Tgt Ion: 96 Resp: 113605

Ion Ratio Lower Upper

96 100

61 136.9 0.0 278.6

98 61.6 0.0 130.4



#28

Bromochloromethane

Concen: 21.919 ug/l

RT: 7.238 min Scan# 905

Delta R.T. -0.006 min

Lab File: VY023113.D

Acq: 15 Aug 2025 09:37

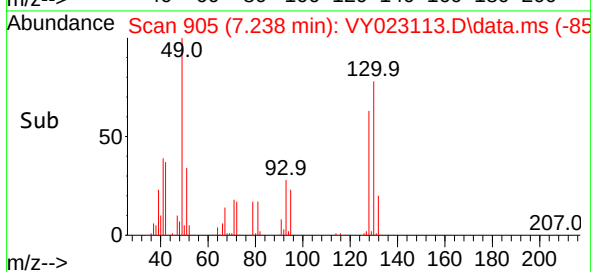
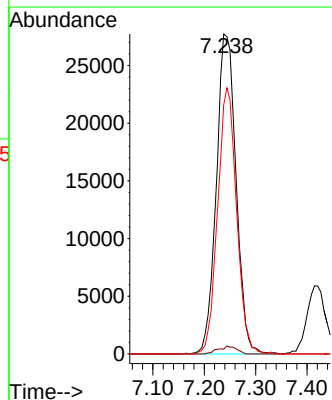
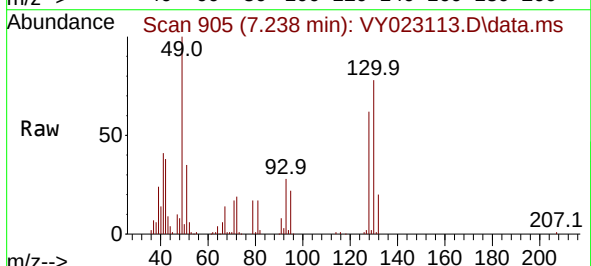
Tgt Ion: 49 Resp: 74111

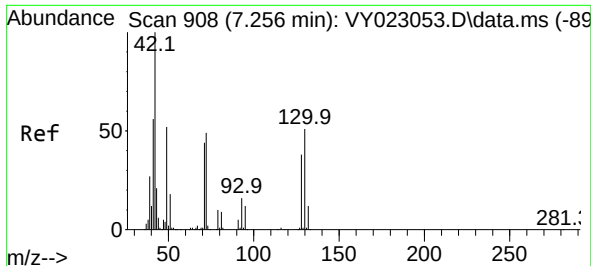
Ion Ratio Lower Upper

49 100

129 2.3 0.0 4.2

130 79.7 66.4 99.6





#29

Tetrahydrofuran

Concen: 97.884 ug/l

RT: 7.262 min Scan# 908

Delta R.T. 0.006 min

Lab File: VY023113.D

Acq: 15 Aug 2025 09:37

Instrument :

MSVOA_Y

ClientSampleId :

VY0815SBS01

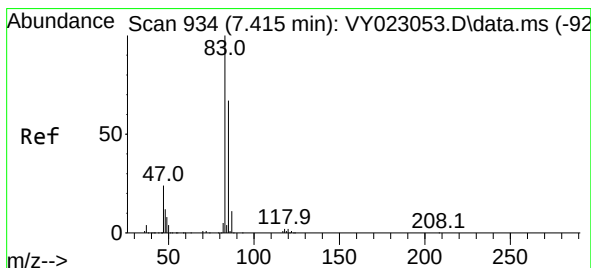
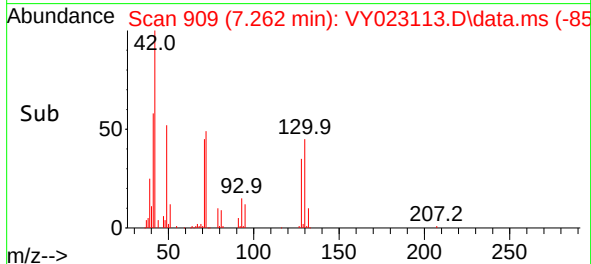
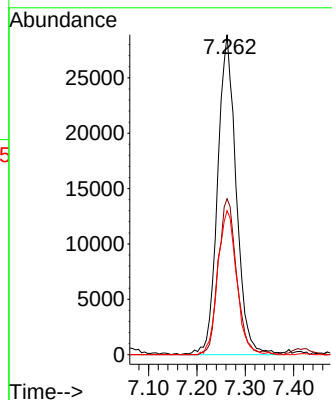
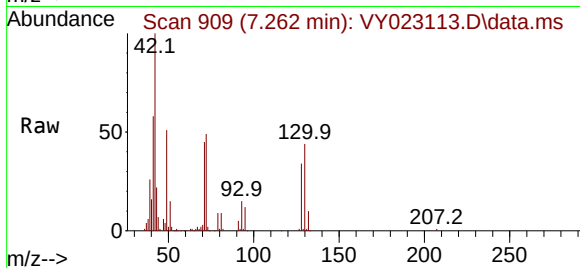
Tgt Ion: 42 Resp: 77082

Ion Ratio Lower Upper

42 100

72 48.1 39.4 59.2

71 45.7 36.5 54.7



#30

Chloroform

Concen: 20.909 ug/l

RT: 7.415 min Scan# 934

Delta R.T. 0.000 min

Lab File: VY023113.D

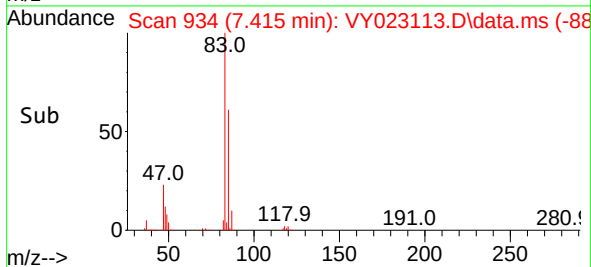
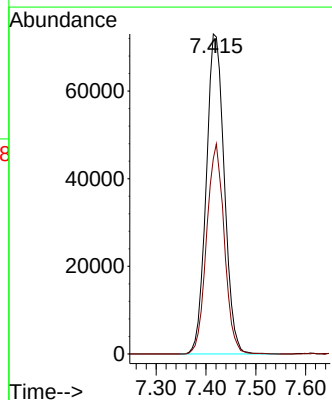
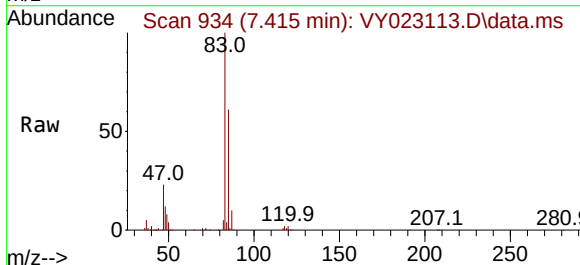
Acq: 15 Aug 2025 09:37

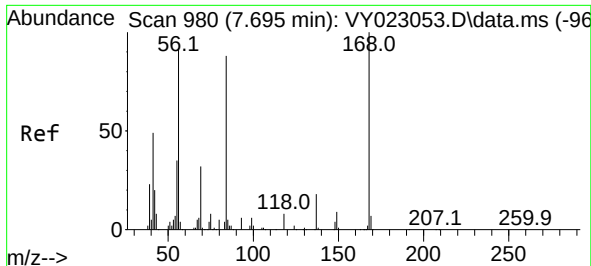
Tgt Ion: 83 Resp: 183779

Ion Ratio Lower Upper

83 100

85 61.1 53.8 80.8

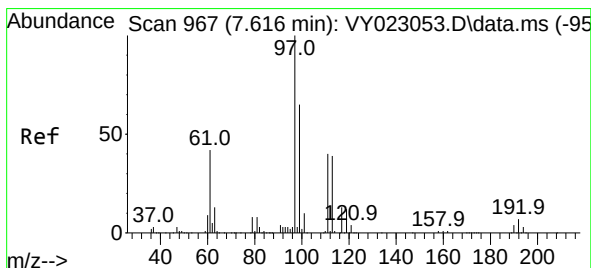
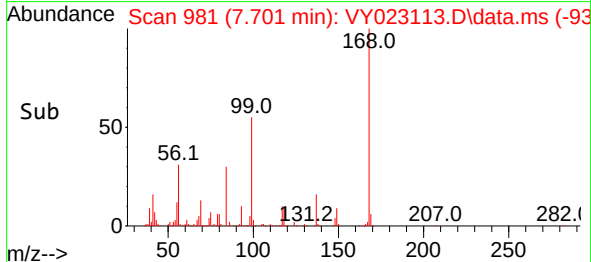
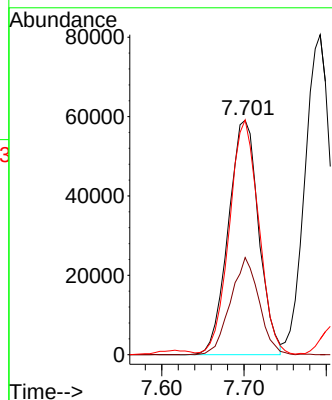
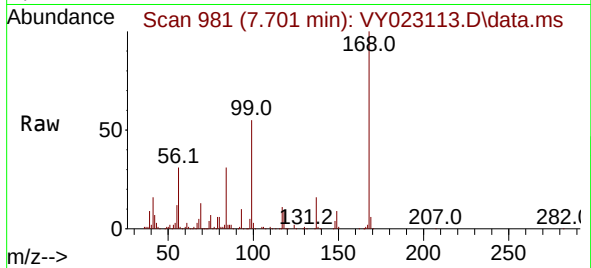




#31
Cyclohexane
Concen: 18.902 ug/l
RT: 7.701 min Scan# 980
Delta R.T. 0.006 min
Lab File: VY023113.D
Acq: 15 Aug 2025 09:37

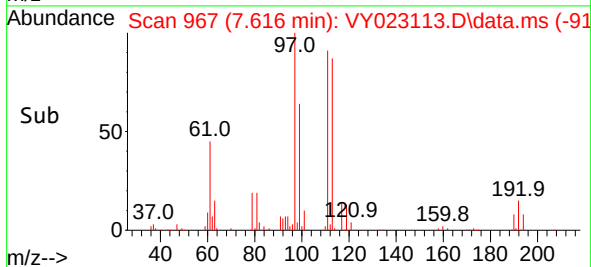
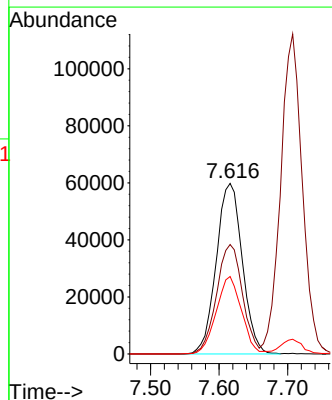
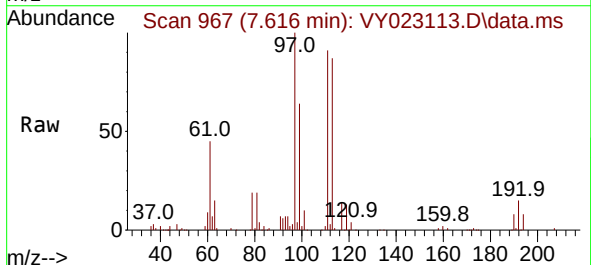
Instrument :
MSVOA_Y
ClientSampleId :
VY0815SBS01

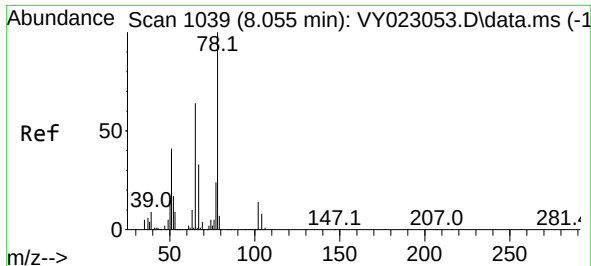
Tgt Ion: 56 Resp: 151804
Ion Ratio Lower Upper
56 100
69 41.4 28.2 42.2
84 98.5 76.6 114.8



#32
1,1,1-Trichloroethane
Concen: 20.254 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY023113.D
Acq: 15 Aug 2025 09:37

Tgt Ion: 97 Resp: 157956
Ion Ratio Lower Upper
97 100
99 63.7 51.6 77.4
61 43.9 34.2 51.2





#33

1,2-Dichloroethane-d4

Concen: 51.692 ug/l

RT: 8.061 min Scan# 1103

Delta R.T. 0.006 min

Lab File: VY023113.D

Acq: 15 Aug 2025 09:37

Instrument :

MSVOA_Y

ClientSampleId :

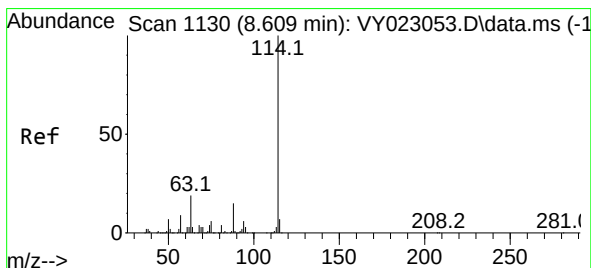
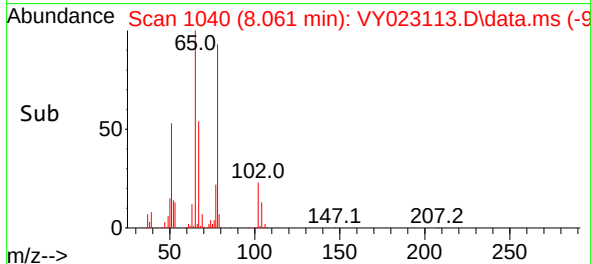
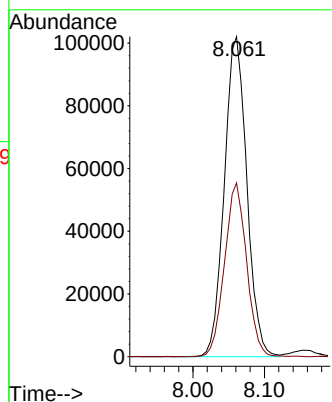
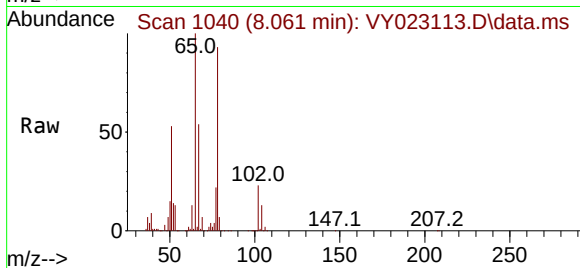
VY0815SBS01

Tgt Ion: 65 Resp: 222883

Ion Ratio Lower Upper

65 100

67 53.2 0.0 106.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.006 min

Lab File: VY023113.D

Acq: 15 Aug 2025 09:37

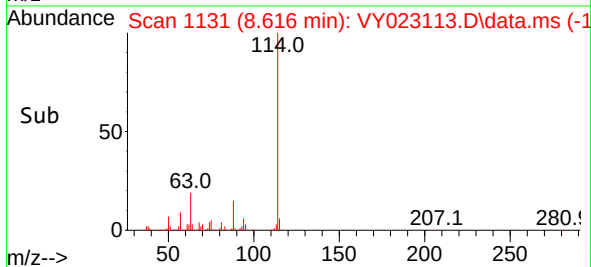
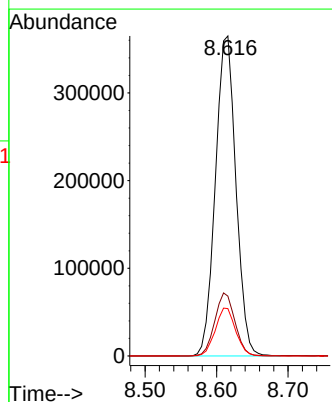
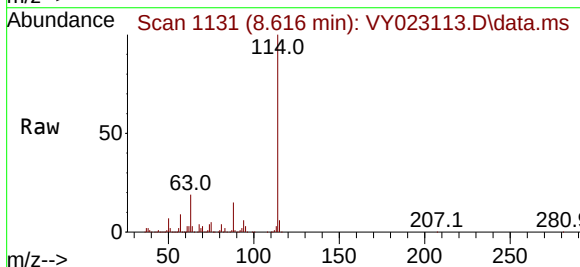
Tgt Ion: 114 Resp: 727202

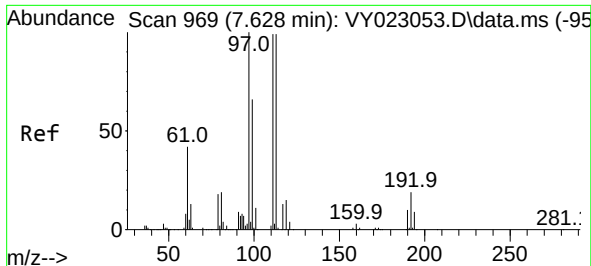
Ion Ratio Lower Upper

114 100

63 18.7 0.0 38.4

88 14.8 0.0 30.0

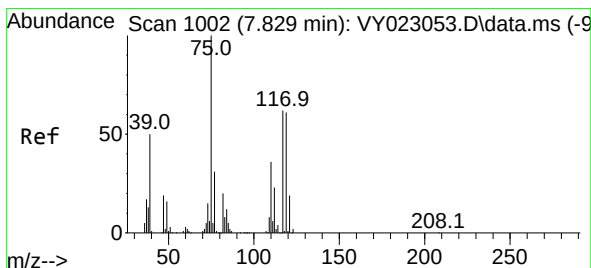
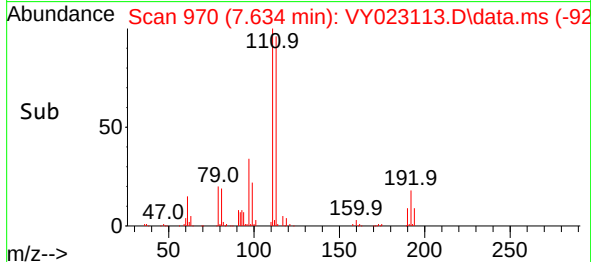
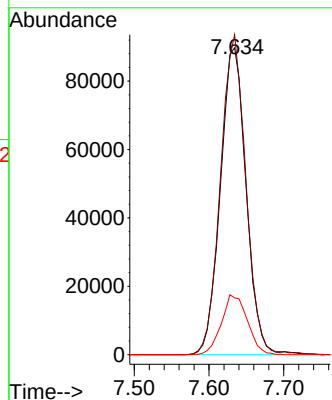
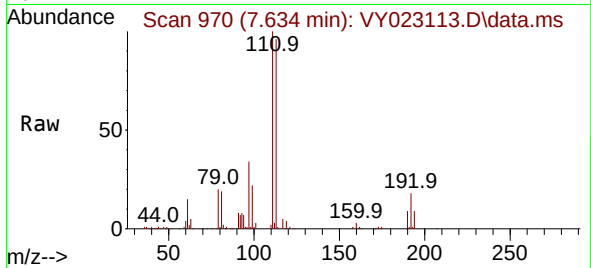




#35
Dibromofluoromethane
Concen: 49.314 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023113.D
Acq: 15 Aug 2025 09:37

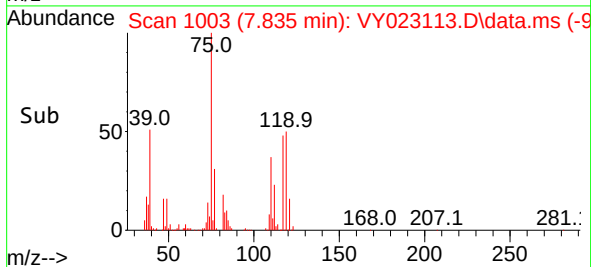
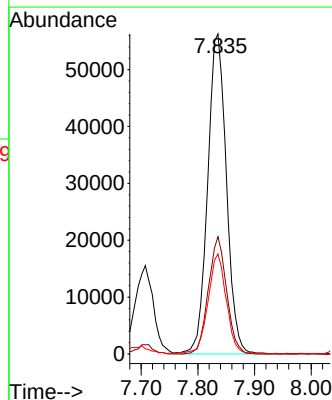
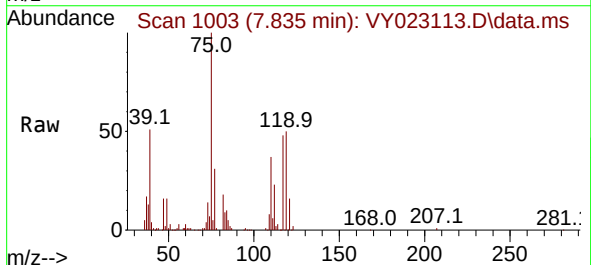
Instrument :
MSVOA_Y
ClientSampleId :
VY0815SBS01

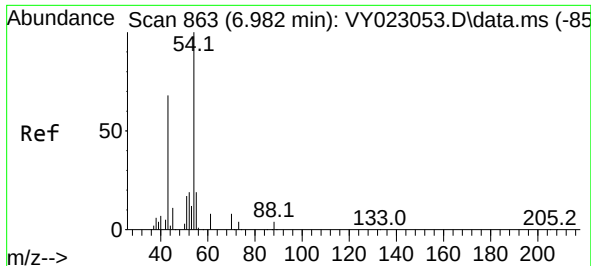
Tgt Ion:113 Resp: 214583
Ion Ratio Lower Upper
113 100
111 103.1 81.1 121.7
192 19.7 16.2 24.4



#36
1,1-Dichloropropene
Concen: 20.008 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.006 min
Lab File: VY023113.D
Acq: 15 Aug 2025 09:37

Tgt Ion: 75 Resp: 129384
Ion Ratio Lower Upper
75 100
110 35.6 18.1 54.4
77 30.5 24.6 37.0

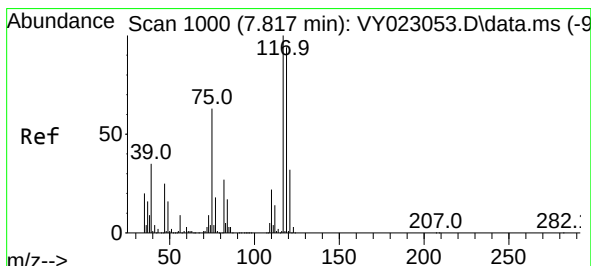
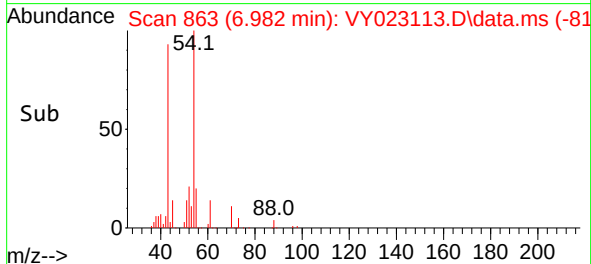
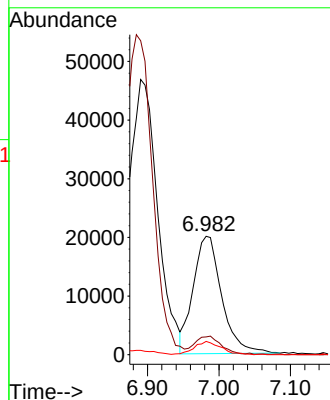
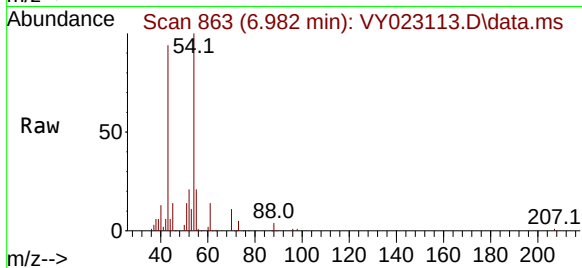




#37
Ethyl Acetate
Concen: 20.428 ug/l
RT: 6.982 min Scan# 863
Delta R.T. 0.000 min
Lab File: VY023113.D
Acq: 15 Aug 2025 09:37

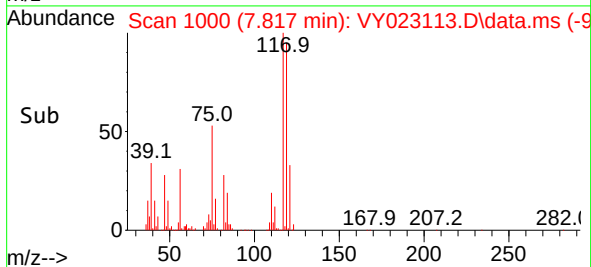
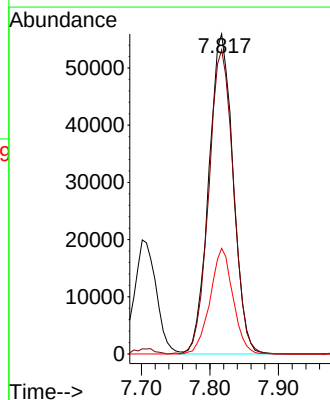
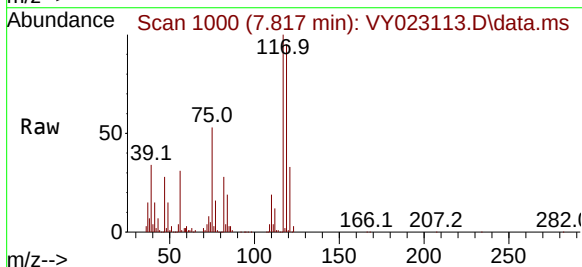
Instrument :
MSVOA_Y
ClientSampleId :
VY0815SBS01

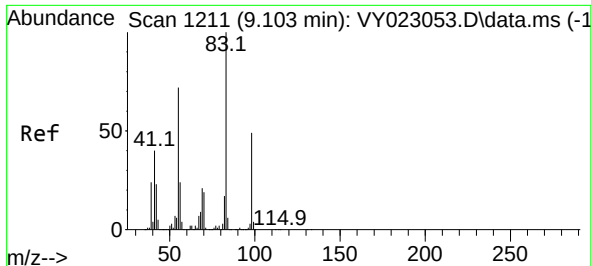
Tgt Ion:	43	Resp:	55493
Ion	Ratio	Lower	Upper
43	100		
61	13.6	11.9	17.9
70	10.5	8.8	13.2



#38
Carbon Tetrachloride
Concen: 19.630 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. 0.000 min
Lab File: VY023113.D
Acq: 15 Aug 2025 09:37

Tgt Ion:	117	Resp:	137873
Ion	Ratio	Lower	Upper
117	100		
119	94.9	75.6	113.4
121	33.0	25.8	38.8





#39

Methylcyclohexane

Concen: 18.705 ug/l

RT: 9.103 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY023113.D

Acq: 15 Aug 2025 09:37

Instrument :

MSVOA_Y

ClientSampleId :

VY0815SBS01

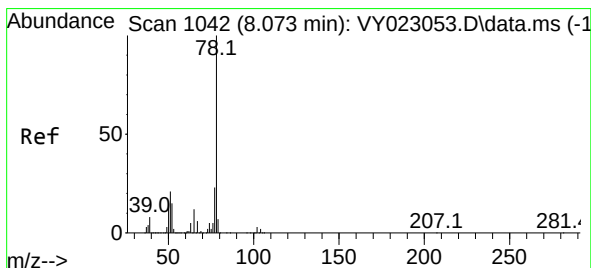
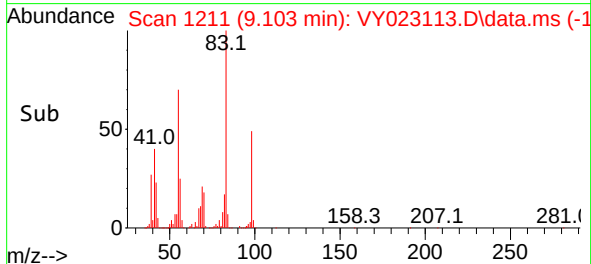
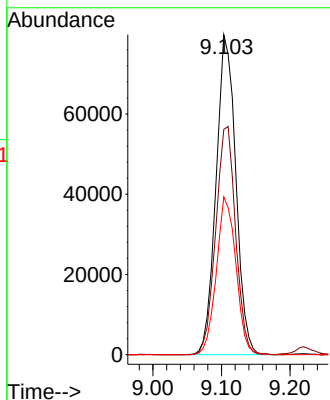
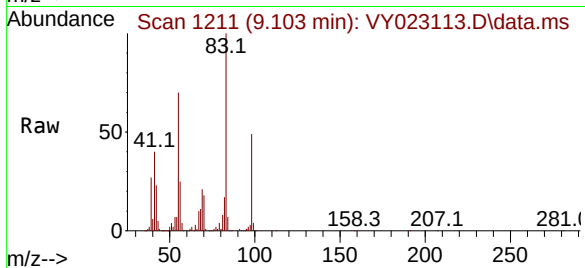
Tgt Ion: 83 Resp: 159285

Ion Ratio Lower Upper

83 100

55 70.4 57.6 86.4

98 49.3 39.2 58.8



#40

Benzene

Concen: 20.350 ug/l

RT: 8.079 min Scan# 1043

Delta R.T. 0.006 min

Lab File: VY023113.D

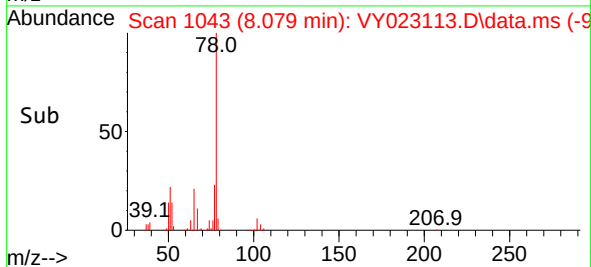
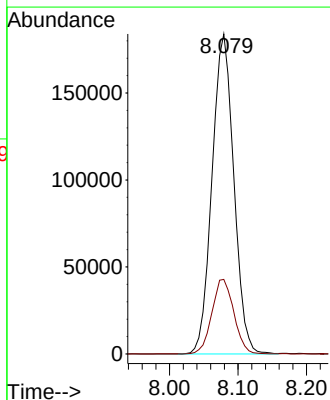
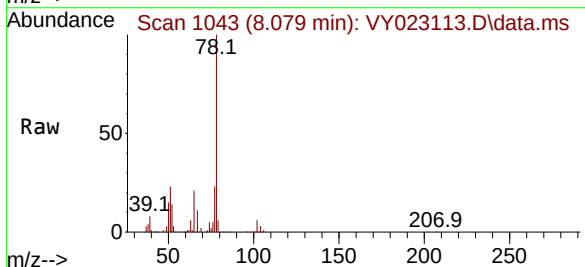
Acq: 15 Aug 2025 09:37

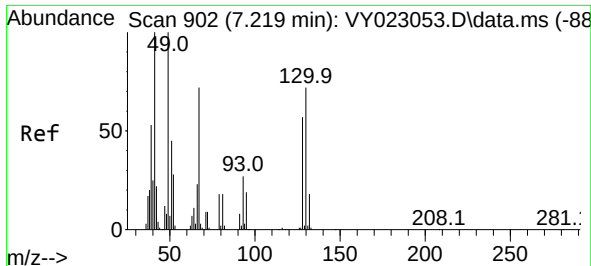
Tgt Ion: 78 Resp: 405603

Ion Ratio Lower Upper

78 100

77 23.3 18.6 28.0

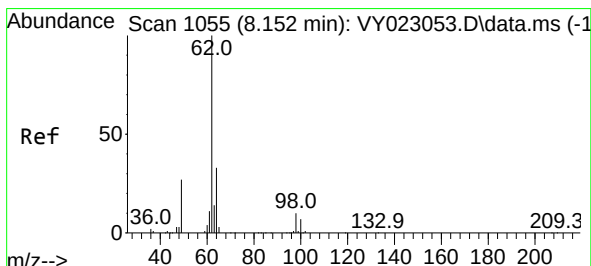
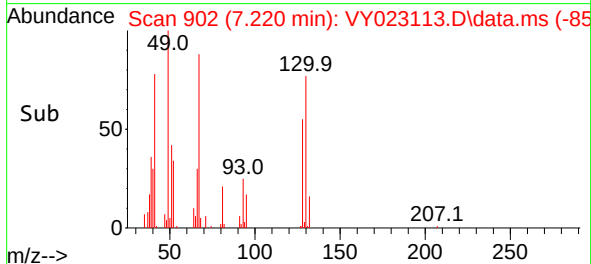
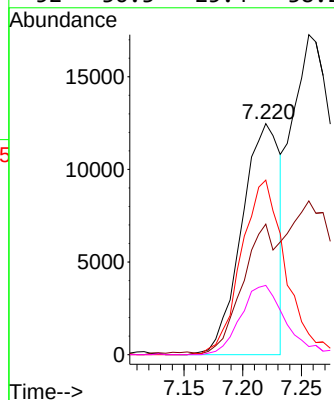
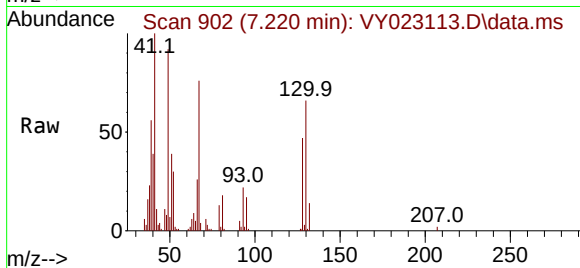




#41
Methacrylonitrile
Concen: 17.956 ug/l
RT: 7.220 min Scan# 902
Delta R.T. 0.000 min
Lab File: VY023113.D
Acq: 15 Aug 2025 09:37

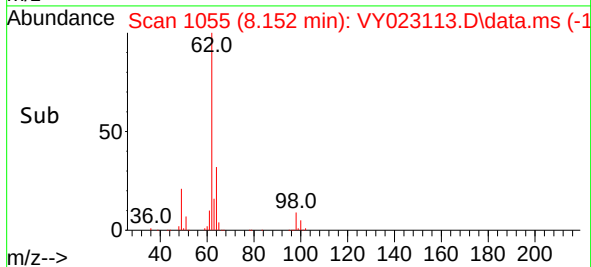
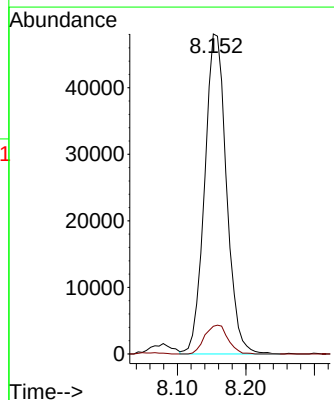
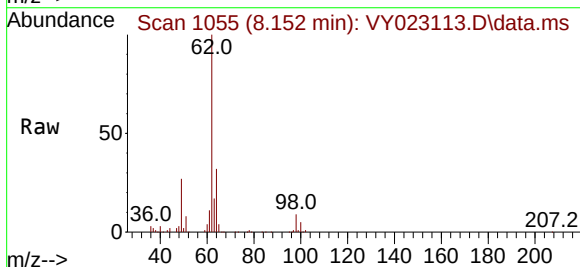
Instrument :
MSVOA_Y
ClientSampleId :
VY0815SBS01

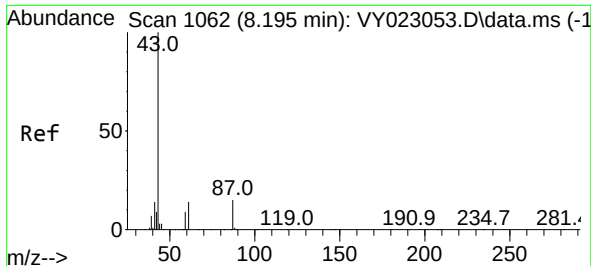
Tgt Ion:	41	Resp:	28150
Ion	Ratio	Lower	Upper
41	100		
39	45.4	43.4	65.2
67	87.7	63.6	95.4
52	36.3	25.4	38.2



#42
1,2-Dichloroethane
Concen: 20.575 ug/l
RT: 8.152 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VY023113.D
Acq: 15 Aug 2025 09:37

Tgt Ion:	62	Resp:	106658
Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	20.6

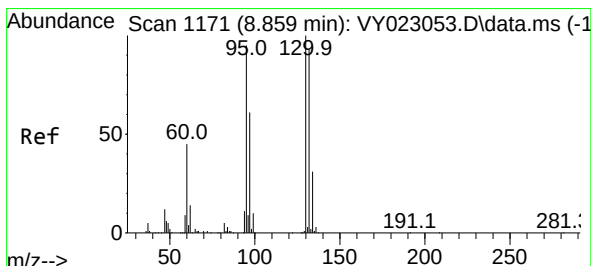
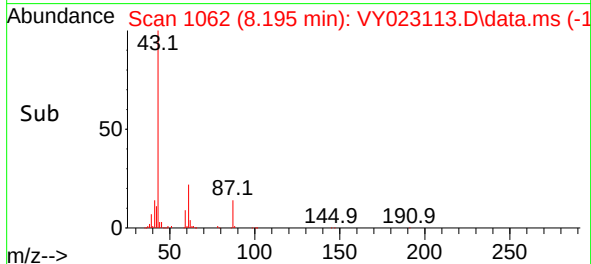
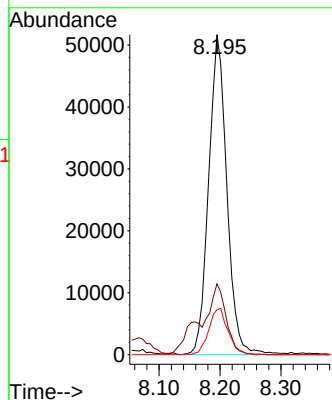
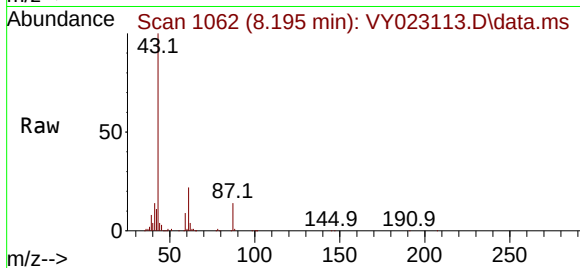




#43
Isopropyl Acetate
Concen: 19.551 ug/l
RT: 8.195 min Scan# 1062
Delta R.T. 0.000 min
Lab File: VY023113.D
Acq: 15 Aug 2025 09:37

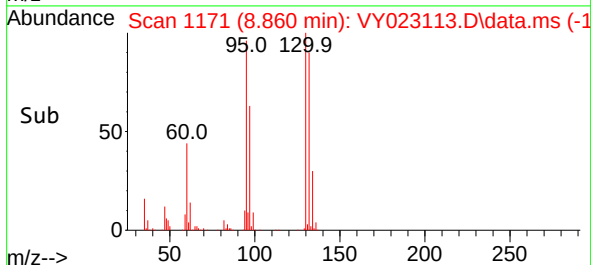
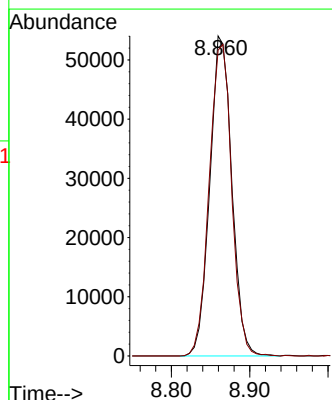
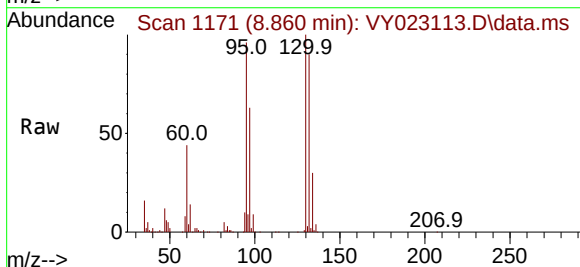
Instrument :
MSVOA_Y
ClientSampleId :
VY0815SBS01

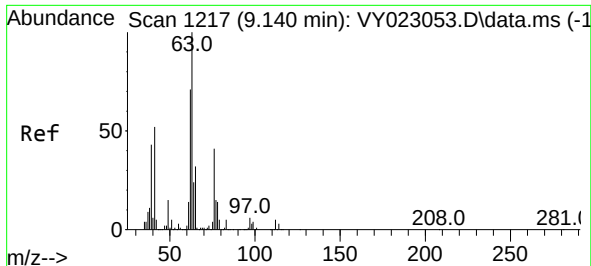
Tgt Ion: 43	Resp: 107344
Ion Ratio	Lower Upper
43 100	
61 20.7	16.4 24.6
87 15.2	11.8 17.6



#44
Trichloroethene
Concen: 20.459 ug/l
RT: 8.860 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VY023113.D
Acq: 15 Aug 2025 09:37

Tgt Ion:130	Resp: 105377
Ion Ratio	Lower Upper
130 100	
95 95.5	0.0 190.2





#45

1,2-Dichloropropane

Concen: 20.451 ug/l

RT: 9.140 min Scan# 1217

Delta R.T. 0.000 min

Lab File: VY023113.D

Acq: 15 Aug 2025 09:37

Instrument :

MSVOA_Y

ClientSampleId :

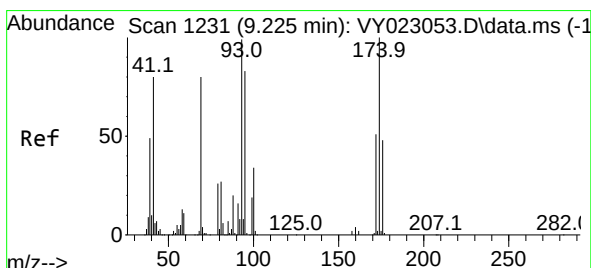
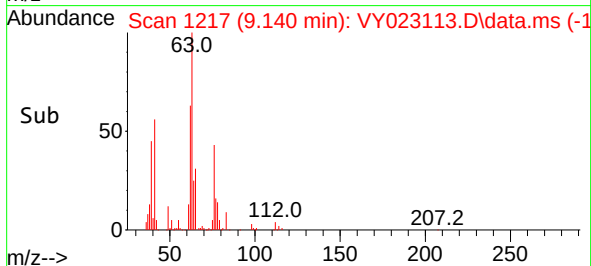
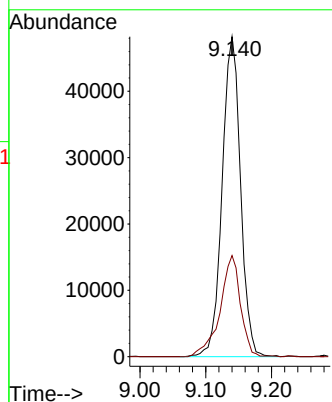
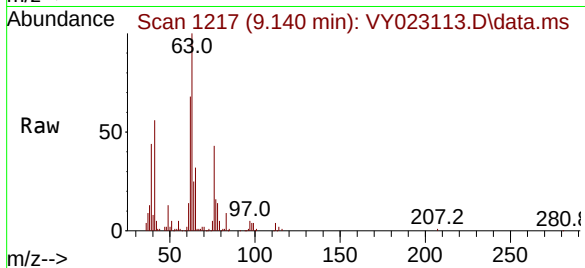
VY0815SBS01

Tgt Ion: 63 Resp: 93789

Ion Ratio Lower Upper

63 100

65 31.6 25.3 37.9



#46

Dibromomethane

Concen: 20.819 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. 0.006 min

Lab File: VY023113.D

Acq: 15 Aug 2025 09:37

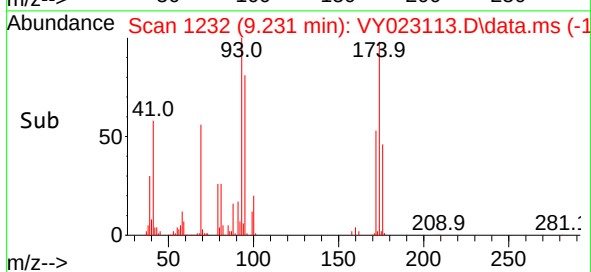
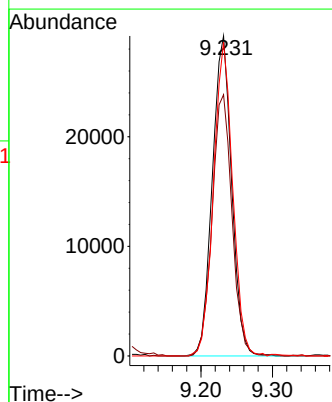
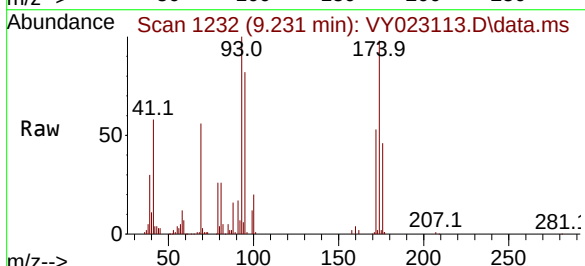
Tgt Ion: 93 Resp: 54800

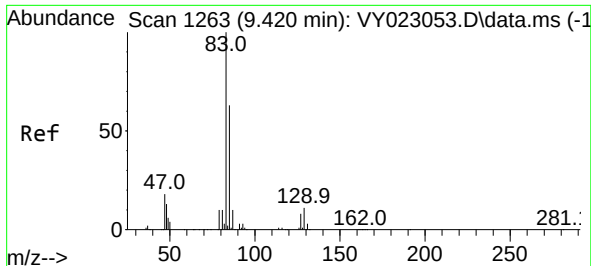
Ion Ratio Lower Upper

93 100

95 83.6 66.5 99.7

174 97.3 81.8 122.8

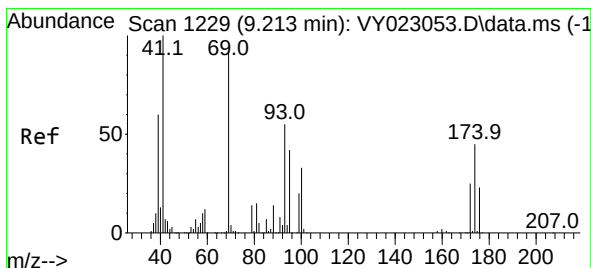
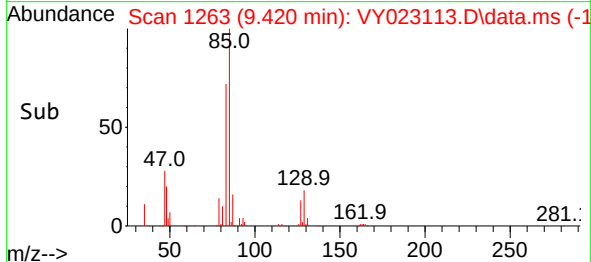
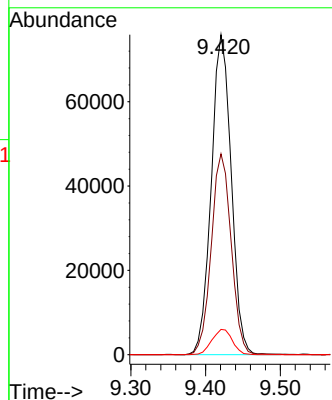
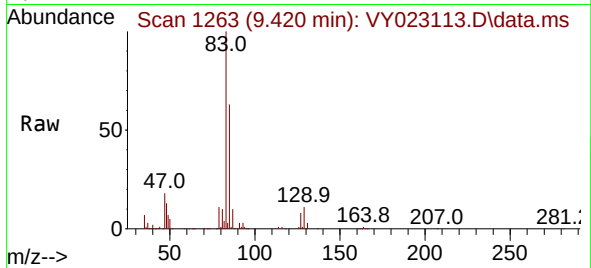




#47
Bromodichloromethane
Concen: 20.819 ug/l
RT: 9.420 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY023113.D
Acq: 15 Aug 2025 09:37

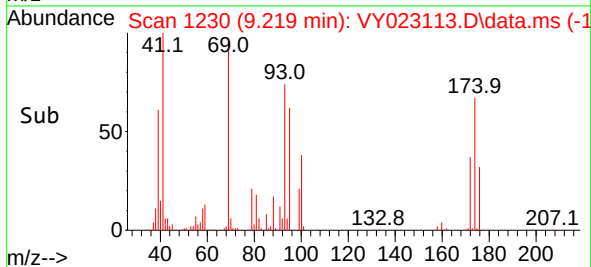
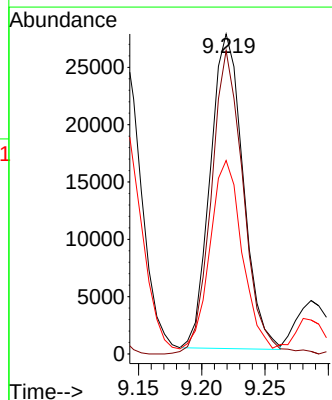
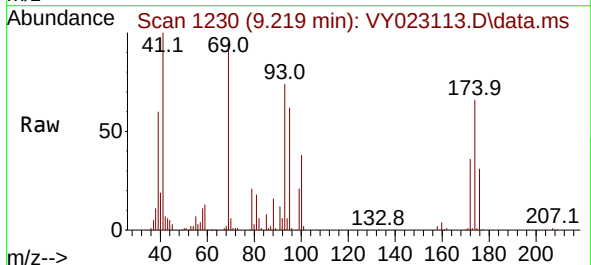
Instrument :
MSVOA_Y
ClientSampleId :
VY0815SBS01

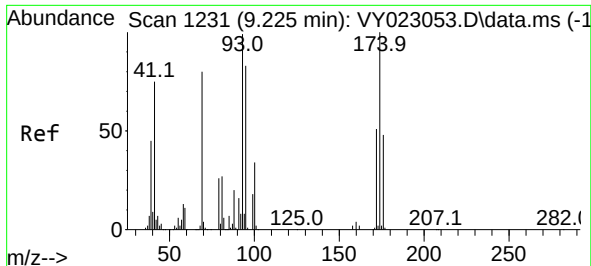
Tgt Ion: 83 Resp: 141008
Ion Ratio Lower Upper
83 100
85 62.7 50.2 75.4
127 7.9 6.6 10.0



#48
Methyl methacrylate
Concen: 18.864 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.006 min
Lab File: VY023113.D
Acq: 15 Aug 2025 09:37

Tgt Ion: 41 Resp: 49562
Ion Ratio Lower Upper
41 100
69 94.5 73.2 109.8
39 58.3 47.0 70.4





#49

1,4-Dioxane

Concen: 400.796 ug/l

RT: 9.238 min Scan# 11

Delta R.T. 0.012 min

Lab File: VY023113.D

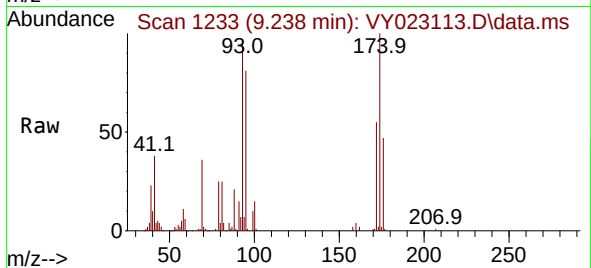
Acq: 15 Aug 2025 09:37

Instrument :

MSVOA_Y

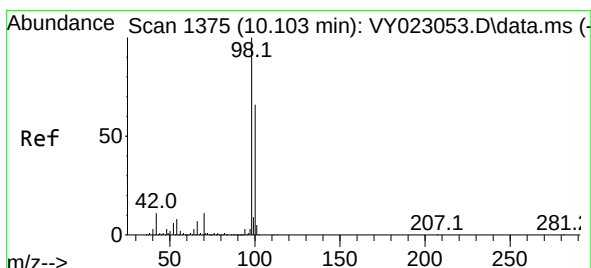
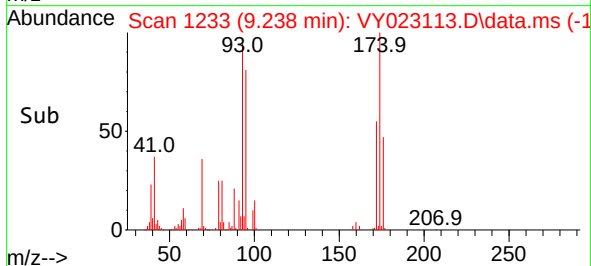
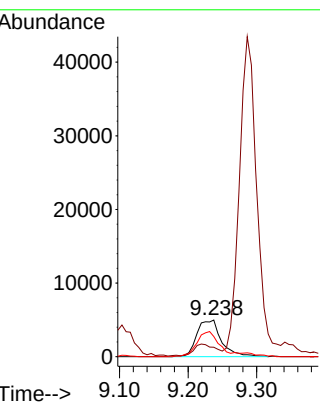
ClientSampleId :

VY0815SBS01



Tgt Ion: 88 Resp: 12370

Ion	Ratio	Lower	Upper
88	100		
43	26.8	24.3	36.5
58	70.5	55.4	83.0



#50

Toluene-d8

Concen: 50.165 ug/l

RT: 10.103 min Scan# 1375

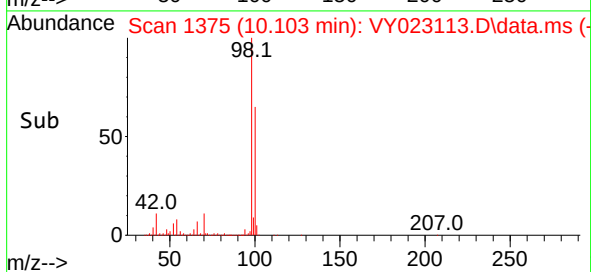
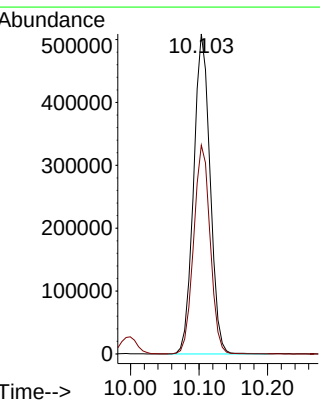
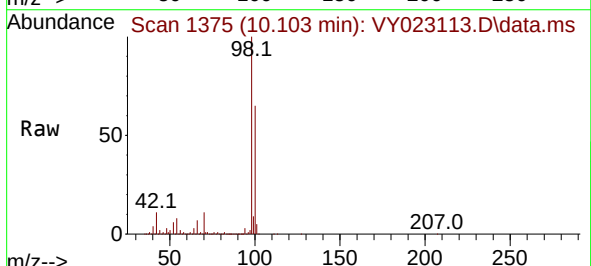
Delta R.T. 0.000 min

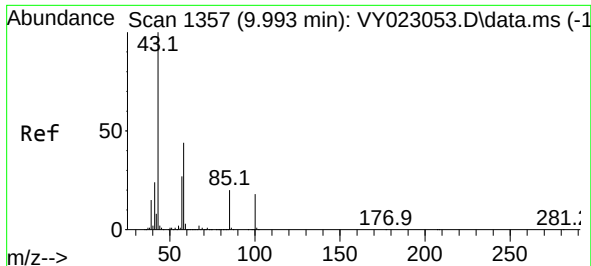
Lab File: VY023113.D

Acq: 15 Aug 2025 09:37

Tgt Ion: 98 Resp: 852746

Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.3	78.5

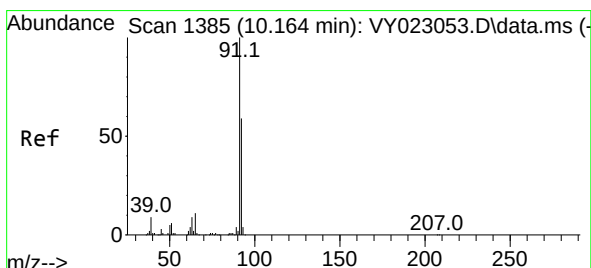
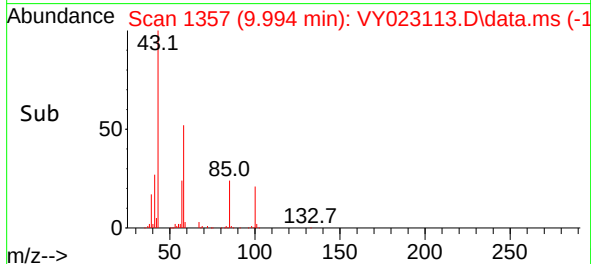
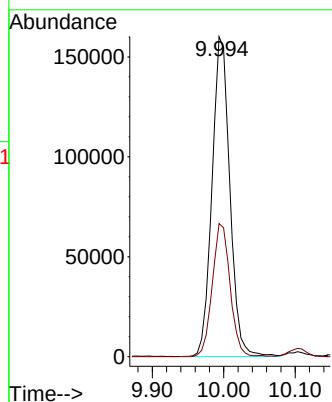
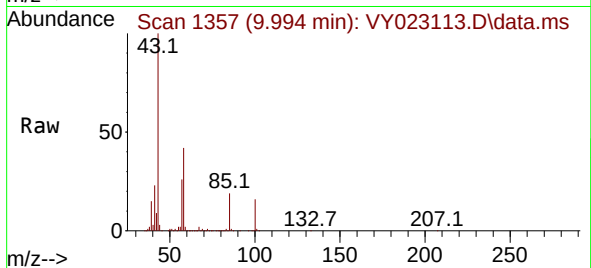




#51
4-Methyl-2-Pentanone
Concen: 97.864 ug/l
RT: 9.994 min Scan# 1357
Delta R.T. 0.000 min
Lab File: VY023113.D
Acq: 15 Aug 2025 09:37

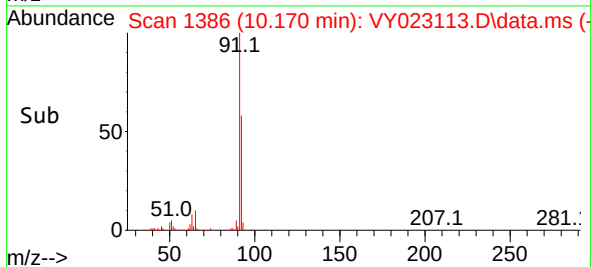
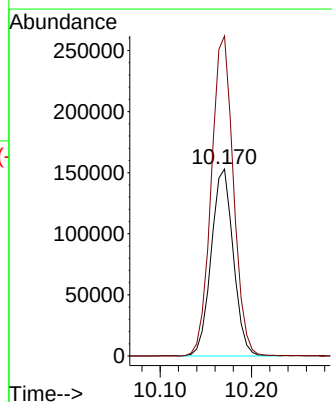
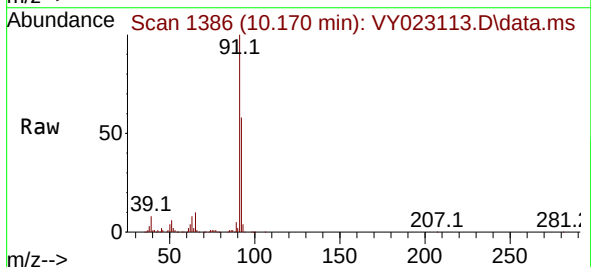
Instrument :
MSVOA_Y
ClientSampleId :
VY0815SBS01

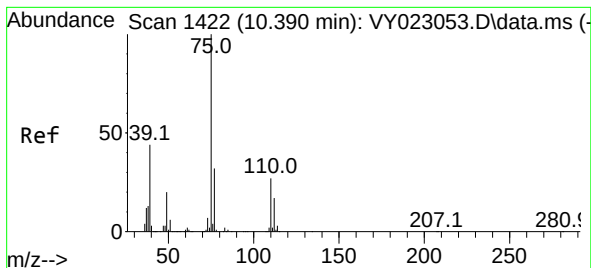
Tgt Ion: 43 Resp: 277163
Ion Ratio Lower Upper
43 100
58 41.6 33.5 50.3



#52
Toluene
Concen: 20.201 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.006 min
Lab File: VY023113.D
Acq: 15 Aug 2025 09:37

Tgt Ion: 92 Resp: 255717
Ion Ratio Lower Upper
92 100
91 172.1 136.4 204.6

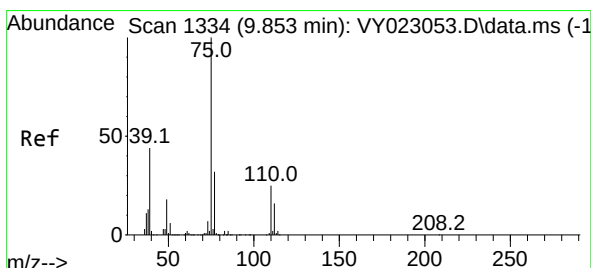
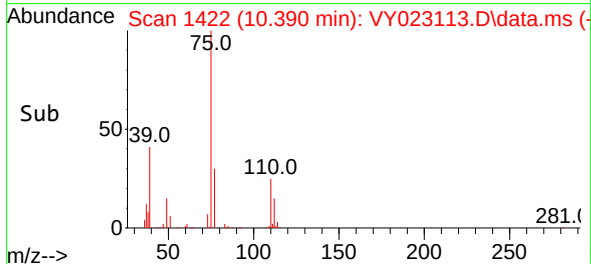
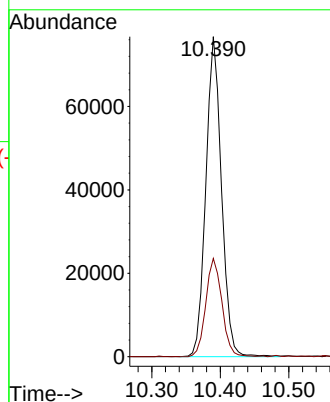
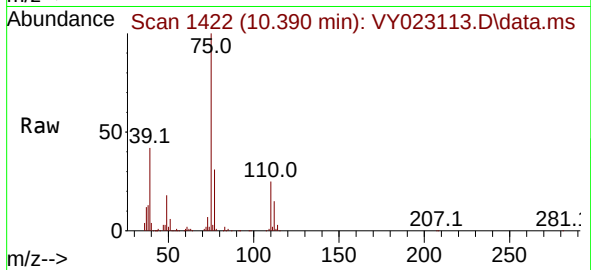




#53
t-1,3-Dichloropropene
Concen: 19.890 ug/l
RT: 10.390 min Scan# 1422
Delta R.T. 0.000 min
Lab File: VY023113.D
Acq: 15 Aug 2025 09:37

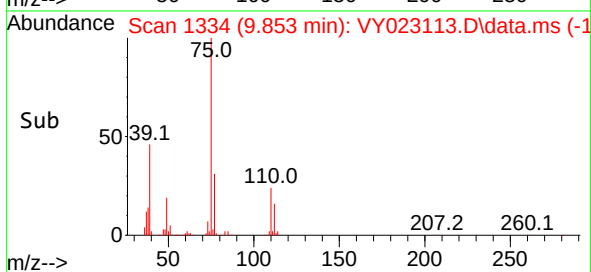
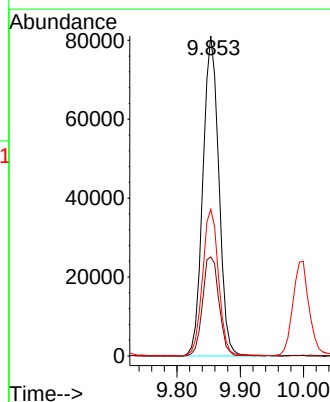
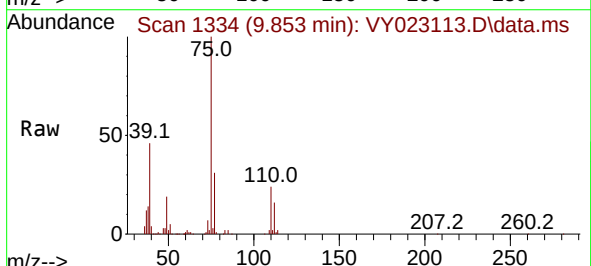
Instrument :
MSVOA_Y
ClientSampleId :
VY0815SBS01

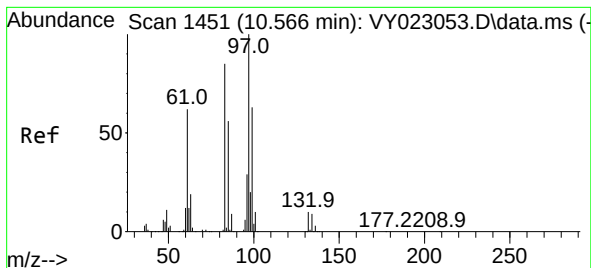
Tgt Ion: 75 Resp: 121993
Ion Ratio Lower Upper
75 100
77 30.7 25.7 38.5



#54
cis-1,3-Dichloropropene
Concen: 19.623 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY023113.D
Acq: 15 Aug 2025 09:37

Tgt Ion: 75 Resp: 142316
Ion Ratio Lower Upper
75 100
77 31.0 25.4 38.0
39 45.9 35.6 53.4

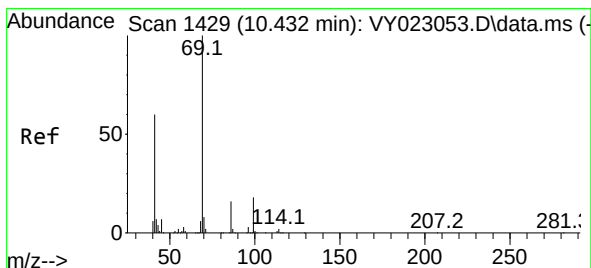
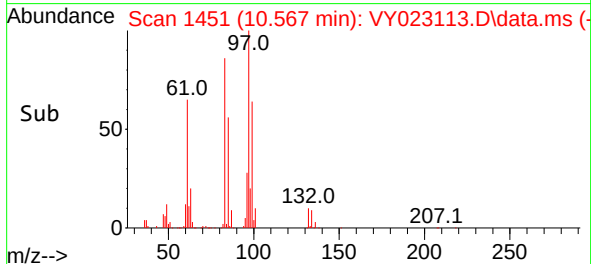
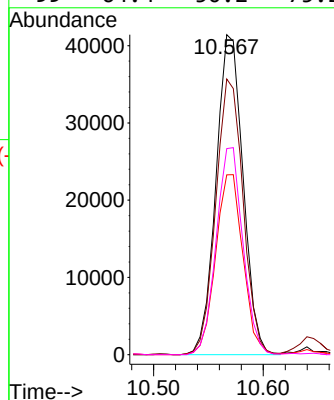
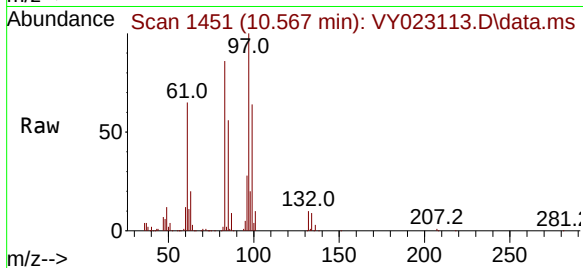




#55
1,1,2-Trichloroethane
Concen: 20.174 ug/l
RT: 10.567 min Scan# 1451
Delta R.T. 0.000 min
Lab File: VY023113.D
Acq: 15 Aug 2025 09:37

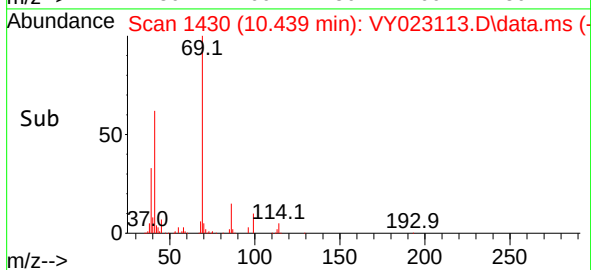
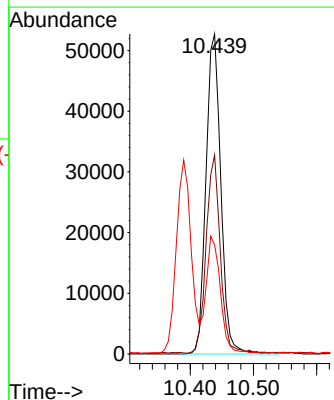
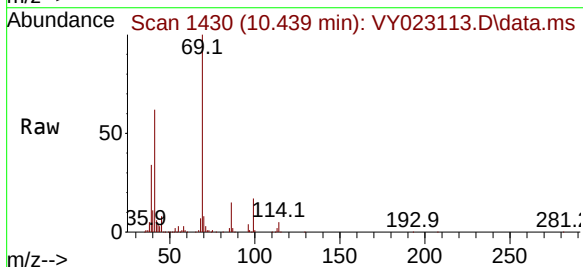
Instrument :
MSVOA_Y
ClientSampleId :
VY0815SBS01

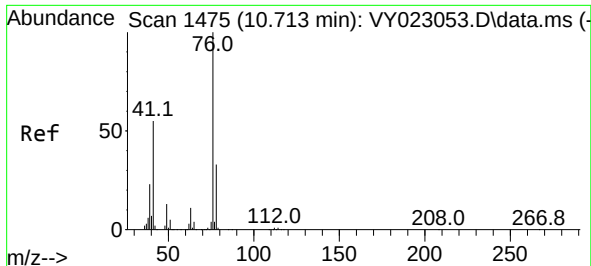
Tgt Ion: 97	Resp: 71057
Ion Ratio	Lower Upper
97 100	
83 86.2	67.7 101.5
85 56.2	44.5 66.7
99 64.4	50.2 75.2



#56
Ethyl methacrylate
Concen: 19.173 ug/l
RT: 10.439 min Scan# 1430
Delta R.T. 0.006 min
Lab File: VY023113.D
Acq: 15 Aug 2025 09:37

Tgt Ion: 69	Resp: 86412
Ion Ratio	Lower Upper
69 100	
41 59.0	48.6 72.8
39 34.9	27.0 40.4





#57

1,3-Dichloropropane

Concen: 19.846 ug/l

RT: 10.713 min Scan# 1475

Delta R.T. 0.000 min

Lab File: VY023113.D

Acq: 15 Aug 2025 09:37

Instrument :

MSVOA_Y

ClientSampleId :

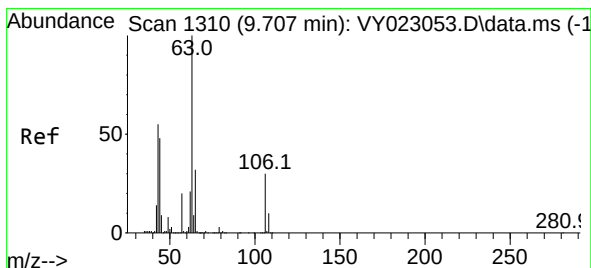
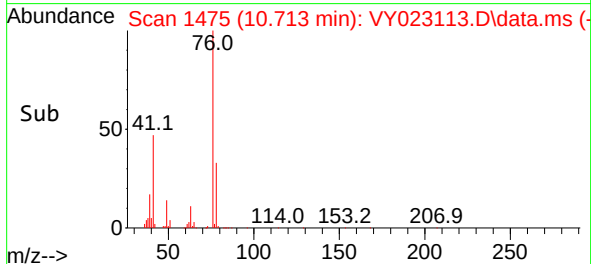
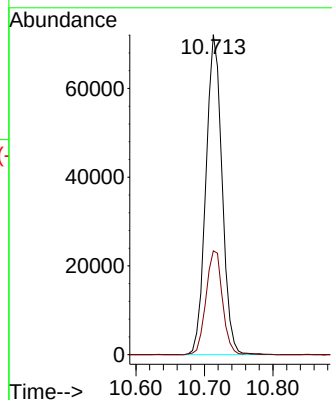
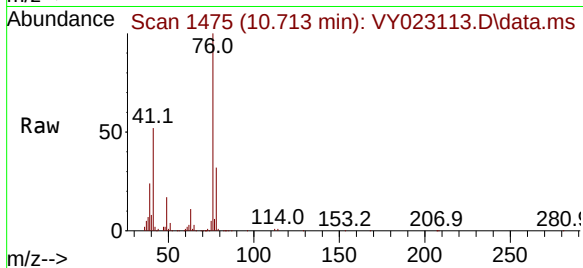
VY0815SBS01

Tgt Ion: 76 Resp: 118549

Ion Ratio Lower Upper

76 100

78 33.2 26.0 39.0



#58

2-Chloroethyl Vinyl ether

Concen: 98.106 ug/l

RT: 9.707 min Scan# 1310

Delta R.T. 0.000 min

Lab File: VY023113.D

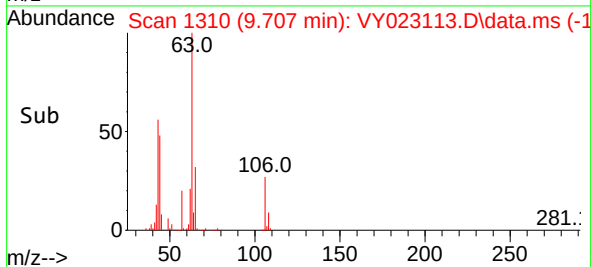
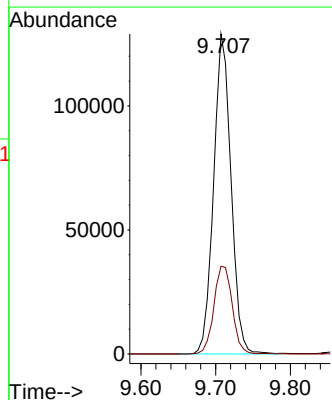
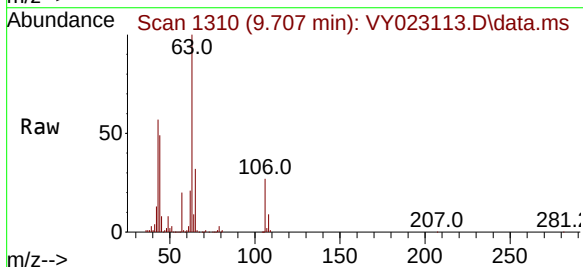
Acq: 15 Aug 2025 09:37

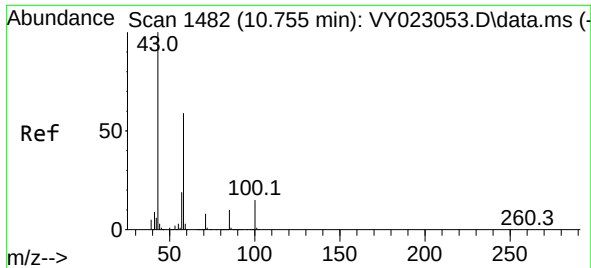
Tgt Ion: 63 Resp: 208567

Ion Ratio Lower Upper

63 100

106 29.0 23.2 34.8

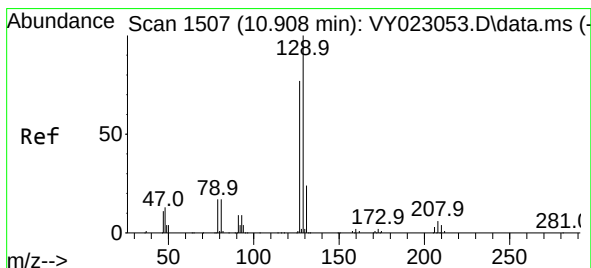
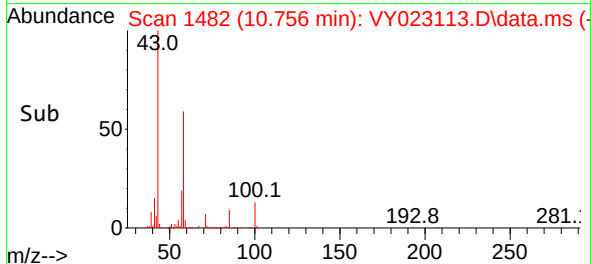
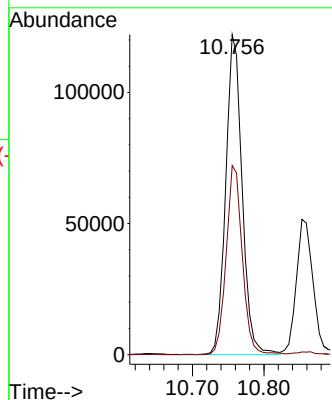
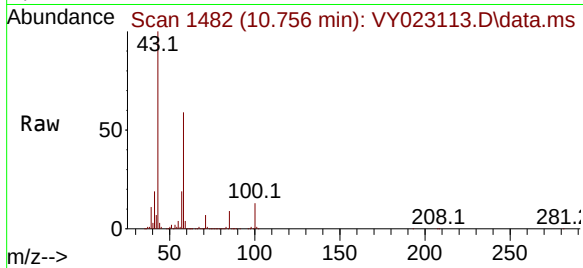




#59
2-Hexanone
Concen: 100.277 ug/l
RT: 10.756 min Scan# 1482
Delta R.T. 0.000 min
Lab File: VY023113.D
Acq: 15 Aug 2025 09:37

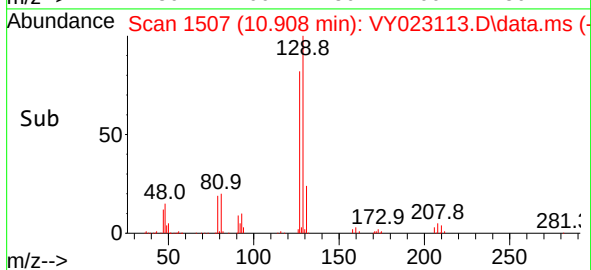
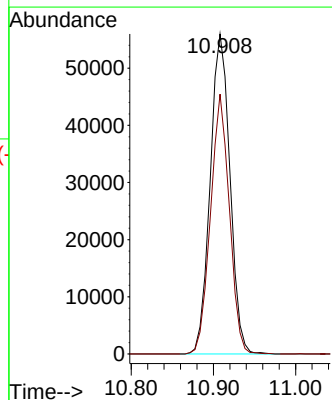
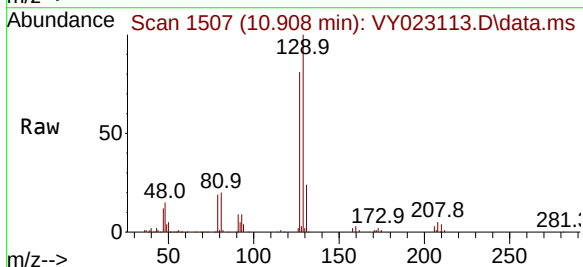
Instrument :
MSVOA_Y
ClientSampleId :
VY0815SBS01

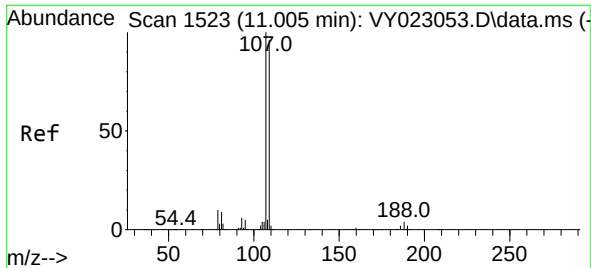
Tgt Ion: 43 Resp: 193382
Ion Ratio Lower Upper
43 100
58 58.4 29.5 88.5



#60
Dibromochloromethane
Concen: 20.091 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY023113.D
Acq: 15 Aug 2025 09:37

Tgt Ion: 129 Resp: 93374
Ion Ratio Lower Upper
129 100
127 77.6 38.5 115.5

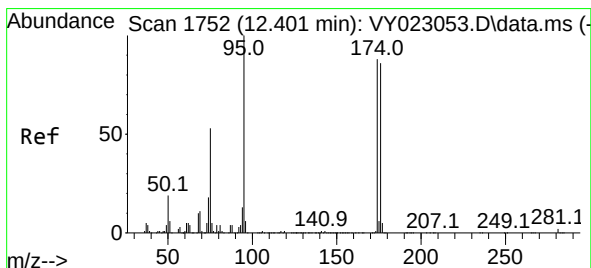
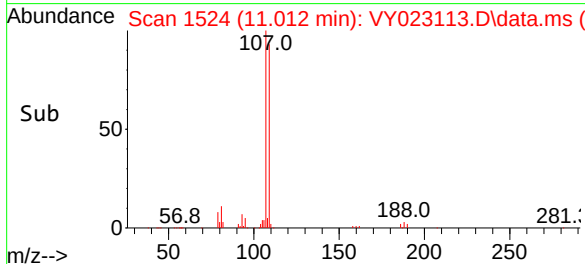
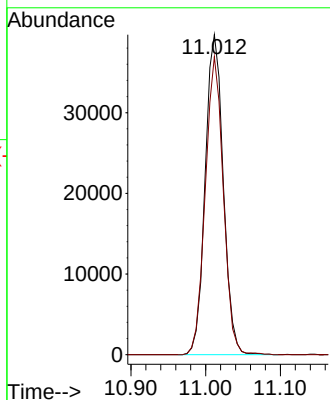
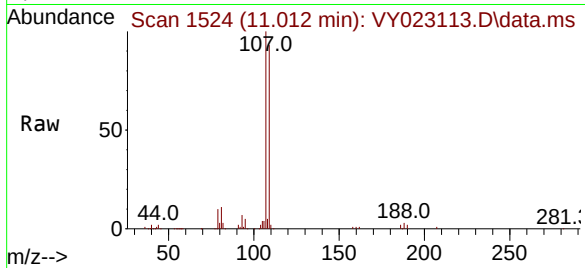




#61
1,2-Dibromoethane
Concen: 20.125 ug/l
RT: 11.012 min Scan# 1524
Delta R.T. 0.006 min
Lab File: VY023113.D
Acq: 15 Aug 2025 09:37

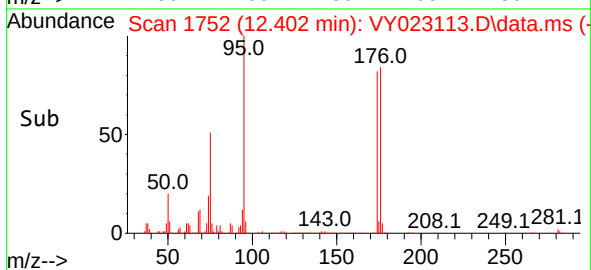
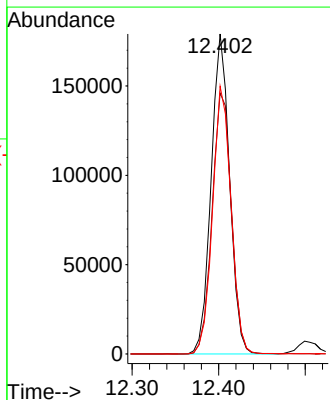
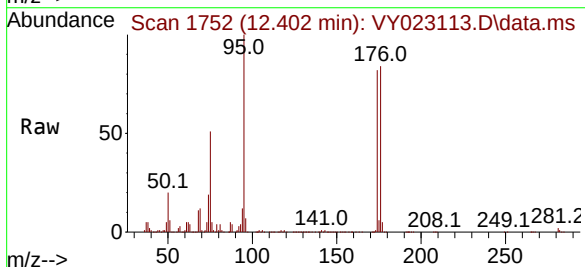
Instrument :
MSVOA_Y
ClientSampleId :
VY0815SBS01

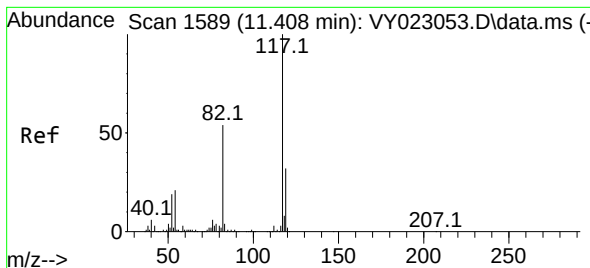
Tgt Ion:107 Resp: 66622
Ion Ratio Lower Upper
107 100
109 93.0 75.6 113.4



#62
4-Bromofluorobenzene
Concen: 48.547 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023113.D
Acq: 15 Aug 2025 09:37

Tgt Ion: 95 Resp: 265399
Ion Ratio Lower Upper
95 100
174 85.3 0.0 171.6
176 83.8 0.0 167.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023113.D

Acq: 15 Aug 2025 09:37

Instrument :

MSVOA_Y

ClientSampleId :

VY0815SBS01

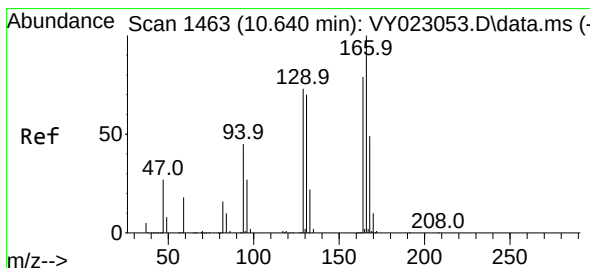
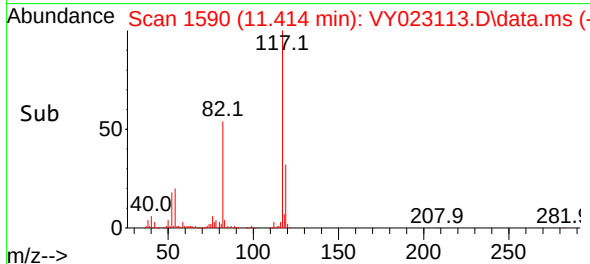
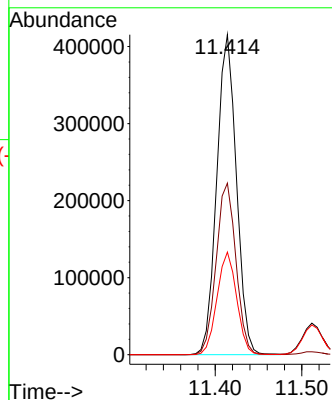
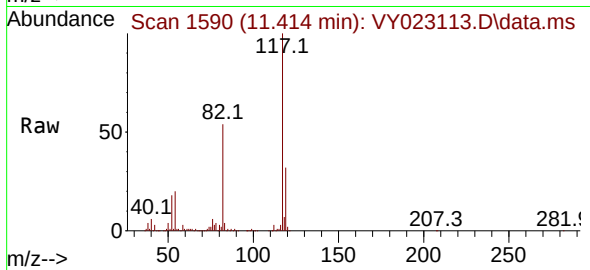
Tgt Ion:117 Resp: 654458

Ion Ratio Lower Upper

117 100

82 53.6 43.4 65.0

119 32.1 25.6 38.4



#64

Tetrachloroethene

Concen: 21.773 ug/l

RT: 10.646 min Scan# 1464

Delta R.T. 0.006 min

Lab File: VY023113.D

Acq: 15 Aug 2025 09:37

Tgt Ion:164 Resp: 127239

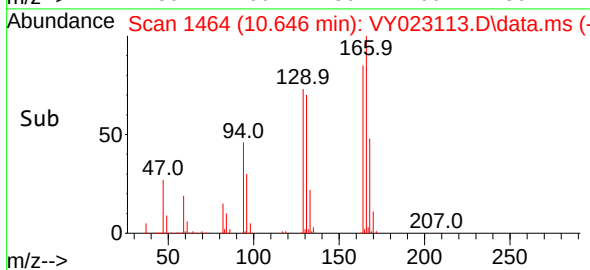
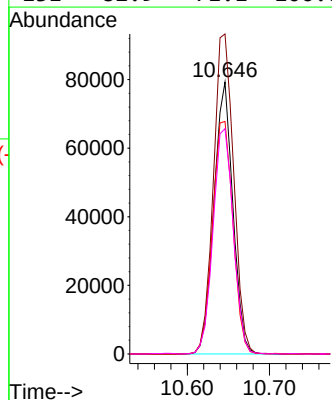
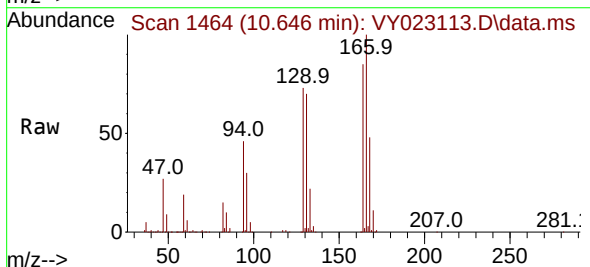
Ion Ratio Lower Upper

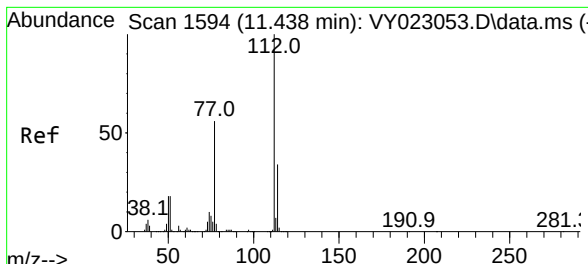
164 100

166 117.7 101.1 151.7

129 85.5 74.0 111.0

131 82.9 71.1 106.7

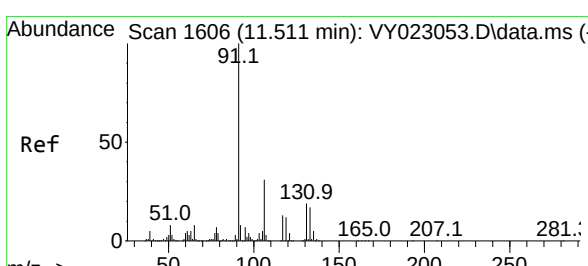
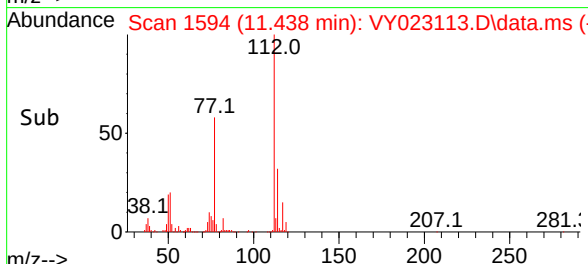
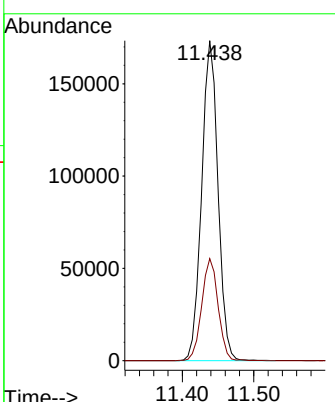
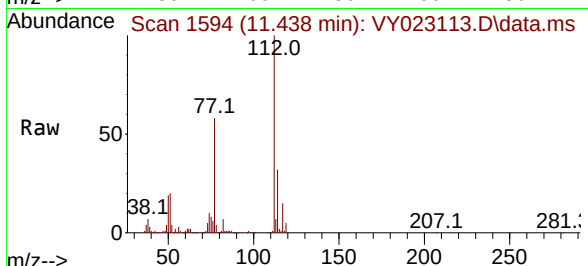




#65
 Chlorobenzene
 Concen: 19.453 ug/l
 RT: 11.438 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VY023113.D
 Acq: 15 Aug 2025 09:37

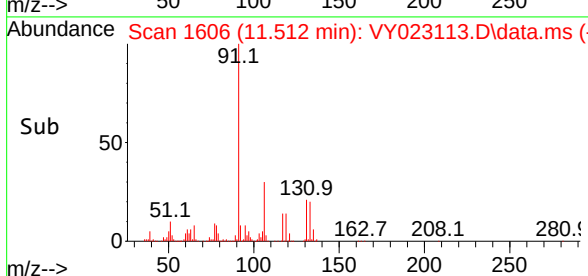
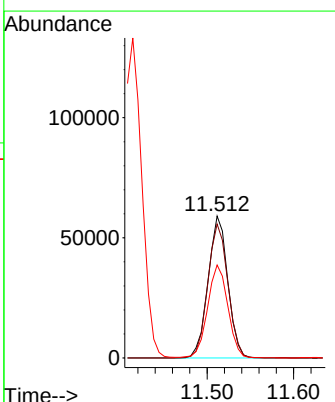
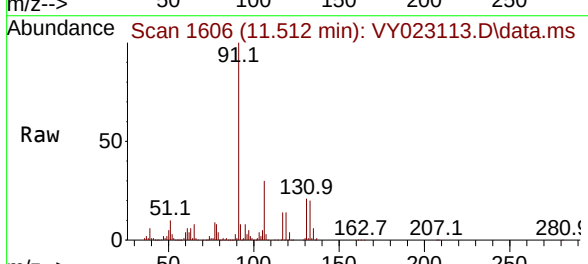
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0815SBS01

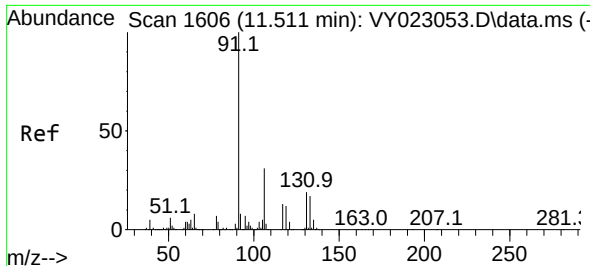
Tgt Ion:	112	Resp:	274616
Ion Ratio	Lower	Upper	
112	100		
114	31.9	27.0	40.4



#66
 1,1,1,2-Tetrachloroethane
 Concen: 19.466 ug/l
 RT: 11.512 min Scan# 1606
 Delta R.T. 0.000 min
 Lab File: VY023113.D
 Acq: 15 Aug 2025 09:37

Tgt Ion:	131	Resp:	93262
Ion Ratio	Lower	Upper	
131	100		
133	96.5	46.9	140.6
119	67.4	33.2	99.6





#67

Ethyl Benzene

Concen: 18.808 ug/l

RT: 11.518 min Scan# 1607

Delta R.T. 0.006 min

Lab File: VY023113.D

Acq: 15 Aug 2025 09:37

Instrument :

MSVOA_Y

ClientSampleId :

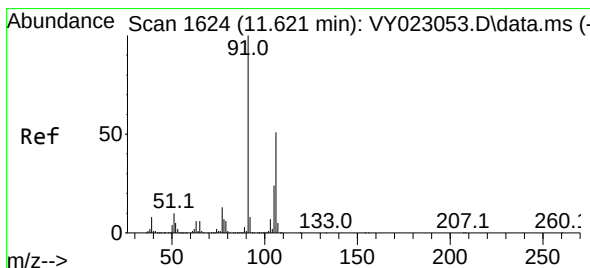
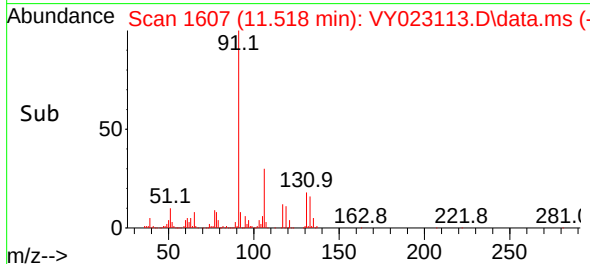
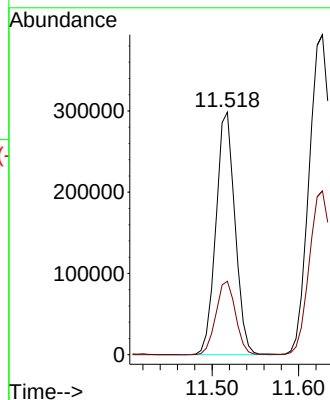
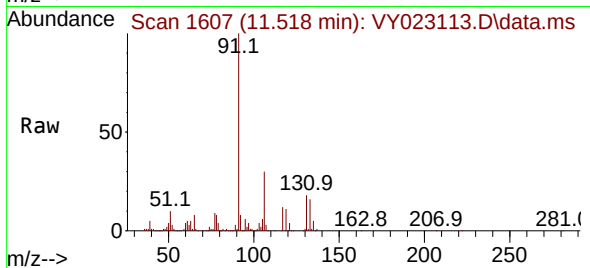
VY0815SBS01

Tgt Ion: 91 Resp: 456905

Ion Ratio Lower Upper

91 100

106 30.3 25.0 37.4



#68

m/p-Xylenes

Concen: 38.555 ug/l

RT: 11.627 min Scan# 1625

Delta R.T. 0.006 min

Lab File: VY023113.D

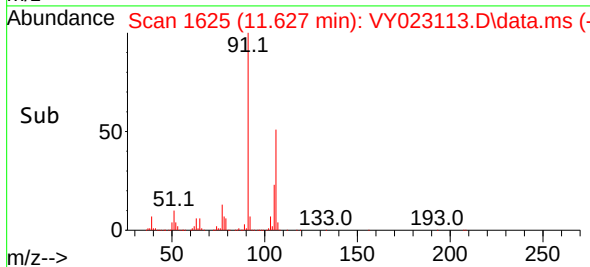
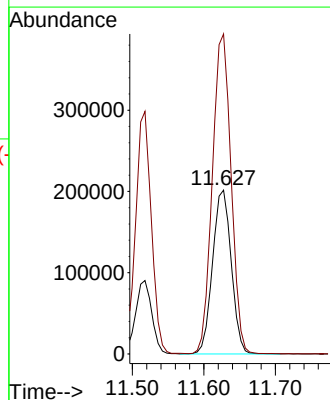
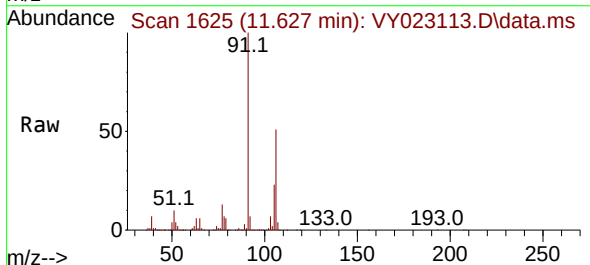
Acq: 15 Aug 2025 09:37

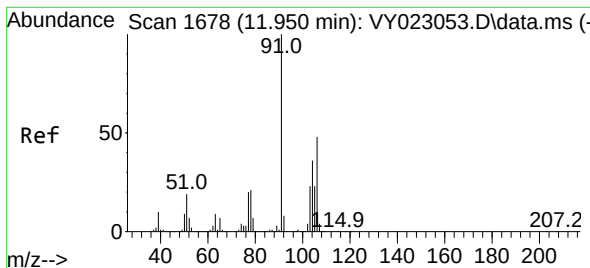
Tgt Ion: 106 Resp: 365819

Ion Ratio Lower Upper

106 100

91 195.9 158.6 238.0

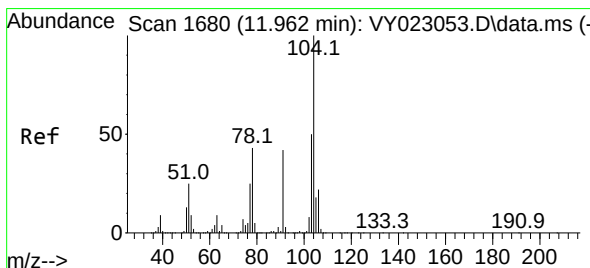
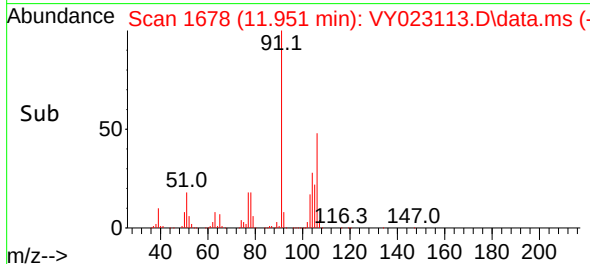
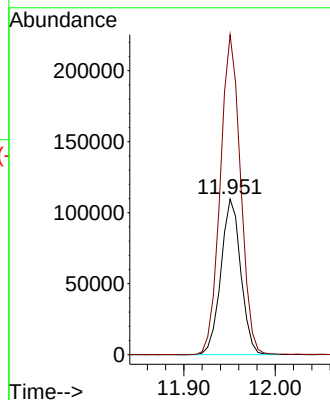
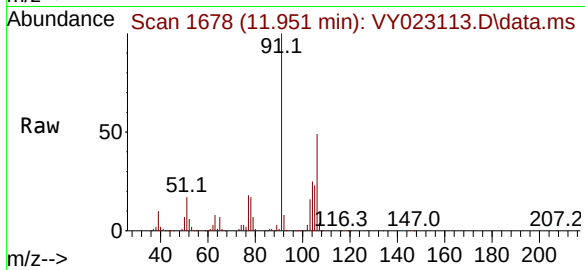




#69
o-Xylene
Concen: 18.648 ug/l
RT: 11.951 min Scan# 1678
Delta R.T. 0.000 min
Lab File: VY023113.D
Acq: 15 Aug 2025 09:37

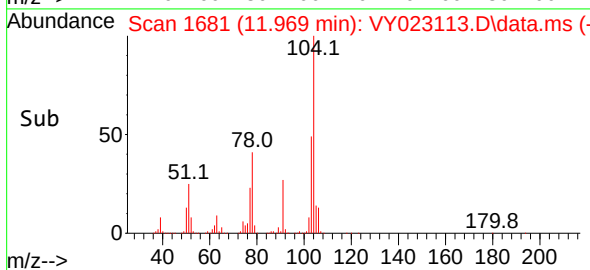
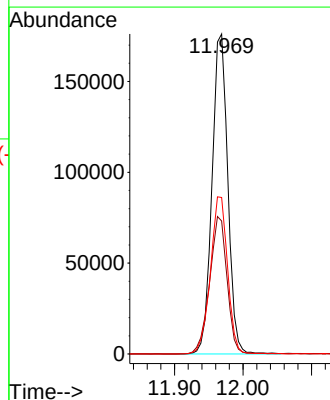
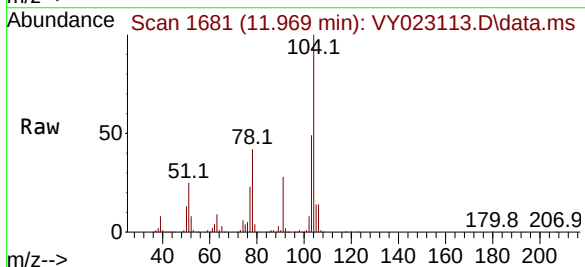
Instrument :
MSVOA_Y
ClientSampleId :
VY0815SBS01

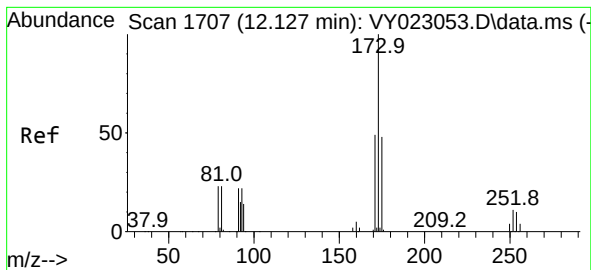
Tgt Ion:106 Resp: 165713
Ion Ratio Lower Upper
106 100
91 210.1 103.2 309.4



#70
Styrene
Concen: 19.385 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.006 min
Lab File: VY023113.D
Acq: 15 Aug 2025 09:37

Tgt Ion:104 Resp: 281721
Ion Ratio Lower Upper
104 100
78 47.6 38.5 57.7
103 53.4 43.7 65.5





#71

Bromoform

Concen: 18.687 ug/l

RT: 12.127 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY023113.D

Acq: 15 Aug 2025 09:37

Instrument :

MSVOA_Y

ClientSampleId :

VY0815SBS01

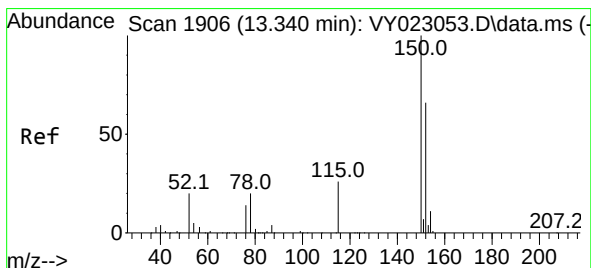
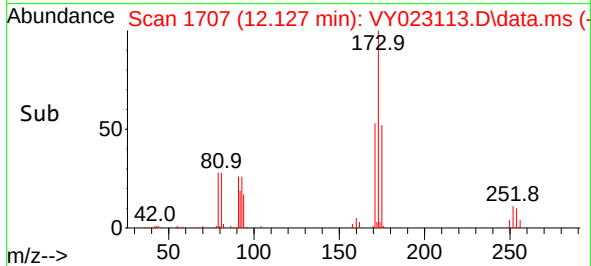
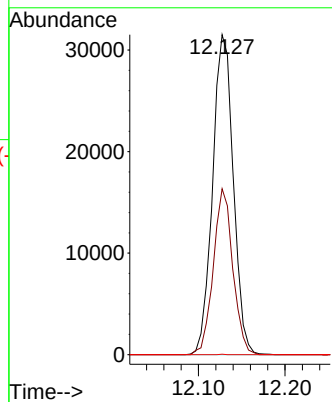
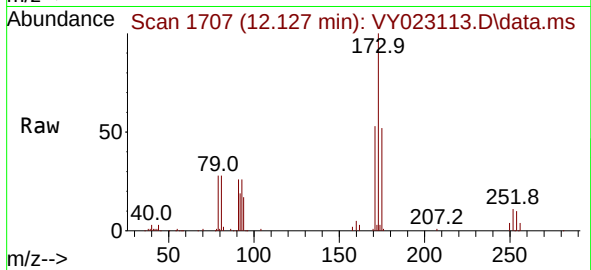
Tgt Ion:173 Resp: 52326

Ion Ratio Lower Upper

173 100

175 48.9 23.9 71.7

254 0.0 0.1 0.1#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.341 min Scan# 1906

Delta R.T. 0.000 min

Lab File: VY023113.D

Acq: 15 Aug 2025 09:37

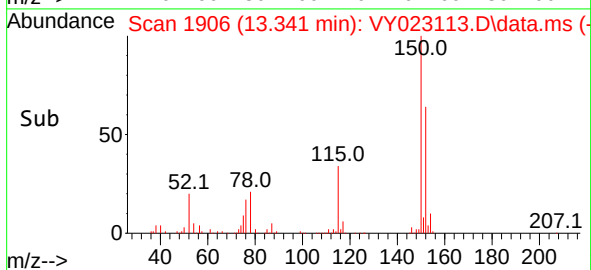
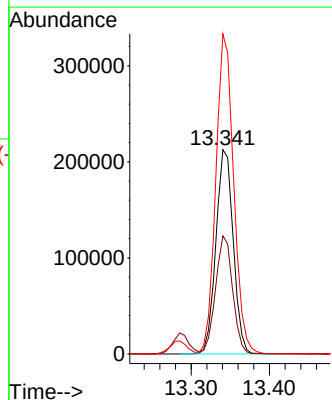
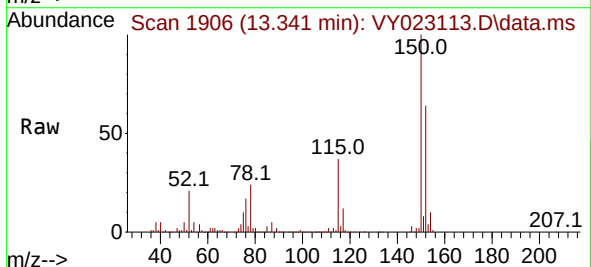
Tgt Ion:152 Resp: 327154

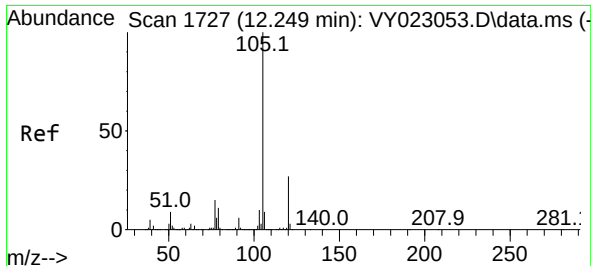
Ion Ratio Lower Upper

152 100

115 56.9 28.2 84.6

150 161.2 0.0 348.0

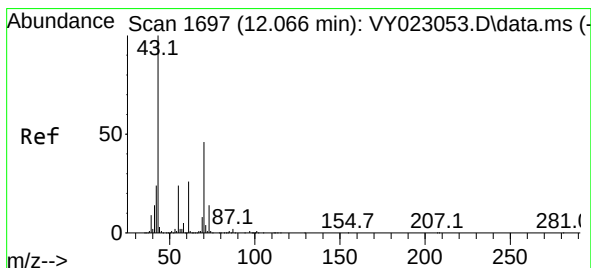
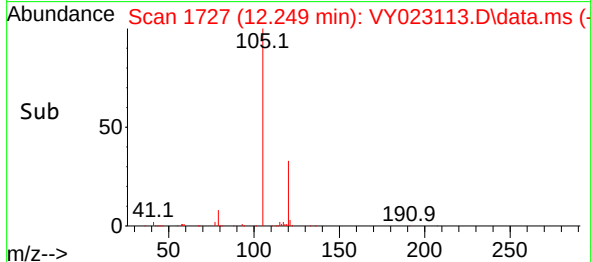
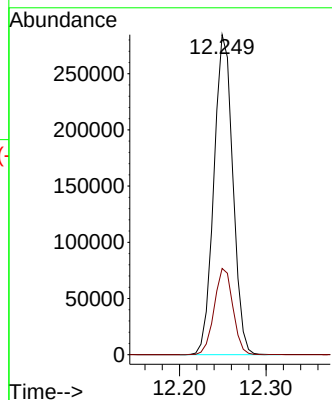
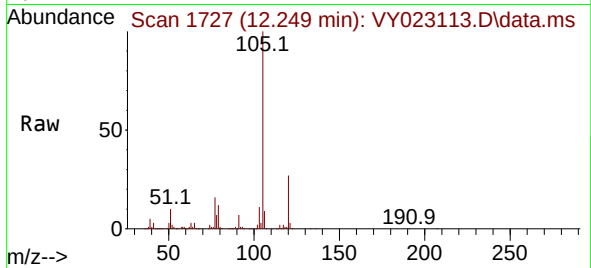




#73
Isopropylbenzene
Concen: 18.755 ug/l
RT: 12.249 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY023113.D
Acq: 15 Aug 2025 09:37

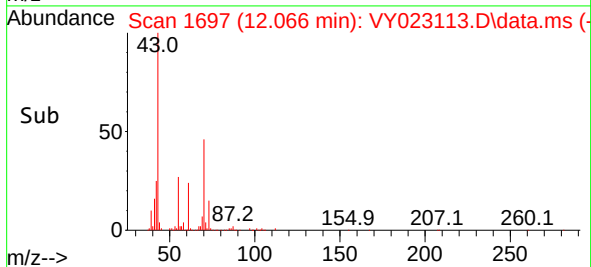
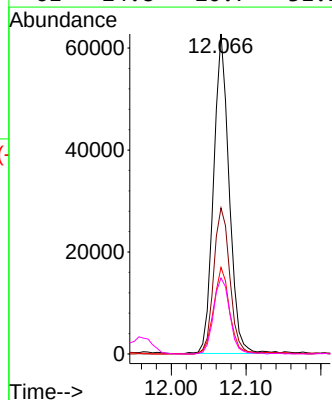
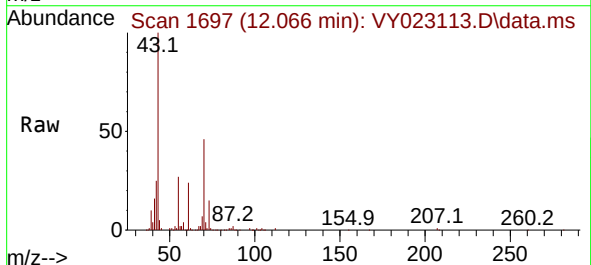
Instrument :
MSVOA_Y
ClientSampleId :
VY0815SBS01

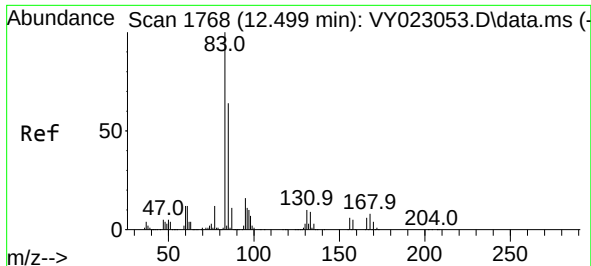
Tgt Ion:105 Resp: 433053
Ion Ratio Lower Upper
105 100
120 26.5 13.4 40.2



#74
N-ethyl acetate
Concen: 18.605 ug/l
RT: 12.066 min Scan# 1697
Delta R.T. 0.000 min
Lab File: VY023113.D
Acq: 15 Aug 2025 09:37

Tgt Ion: 43 Resp: 91104
Ion Ratio Lower Upper
43 100
70 47.9 37.5 56.3
55 27.6 20.7 31.1
61 24.8 20.7 31.1

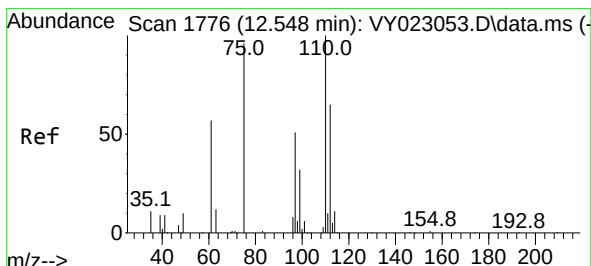
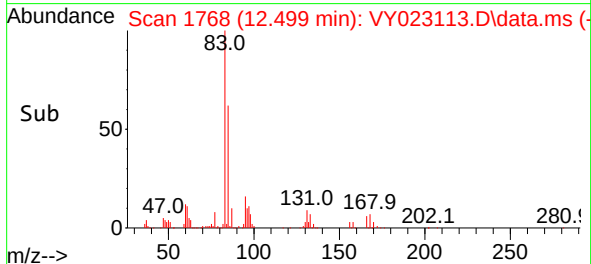
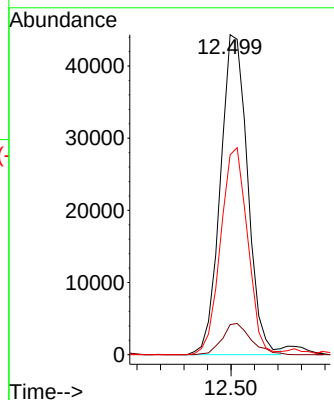
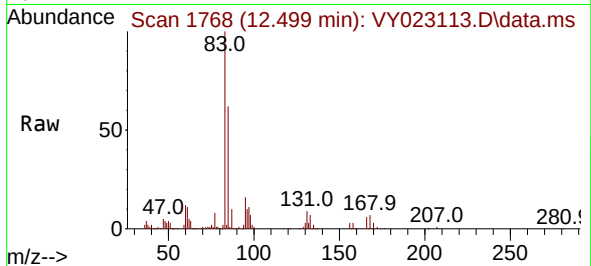




#75
 1,1,2,2-Tetrachloroethane
 Concen: 18.110 ug/l
 RT: 12.499 min Scan# 1768
 Delta R.T. 0.000 min
 Lab File: VY023113.D
 Acq: 15 Aug 2025 09:37

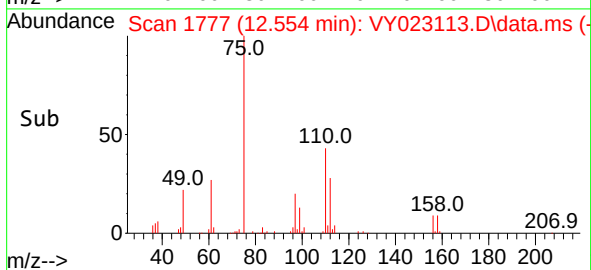
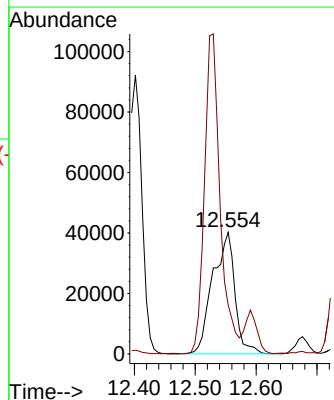
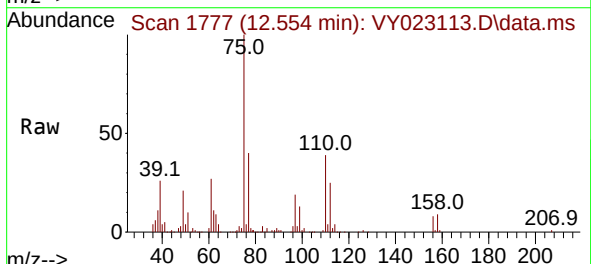
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0815SBS01

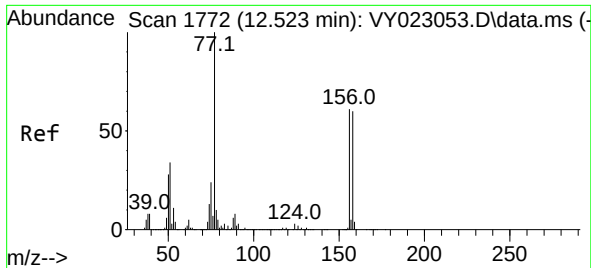
Tgt Ion: 83 Resp: 71400
 Ion Ratio Lower Upper
 83 100
 131 10.3 5.1 15.3
 85 64.3 31.8 95.3



#76
 1,2,3-Trichloropropane
 Concen: 32.129 ug/l
 RT: 12.554 min Scan# 1777
 Delta R.T. 0.006 min
 Lab File: VY023113.D
 Acq: 15 Aug 2025 09:37

Tgt Ion: 75 Resp: 101444
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0

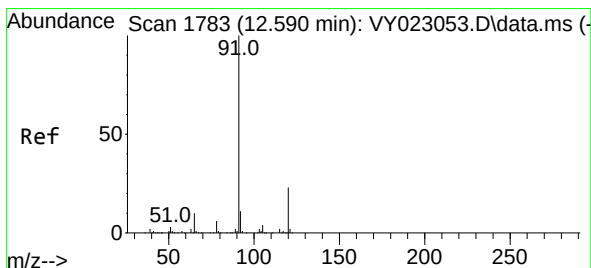
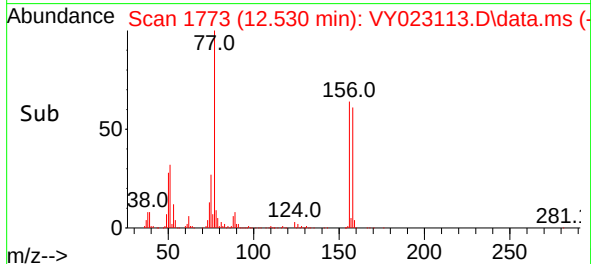
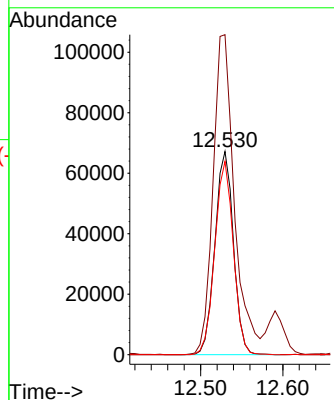
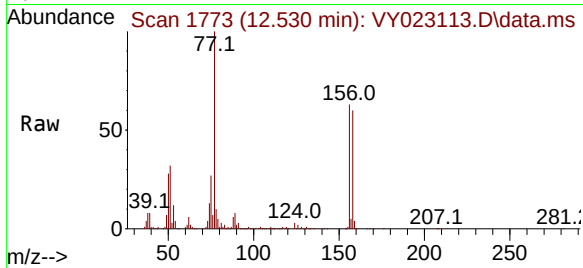




#77
Bromobenzene
Concen: 19.006 ug/l
RT: 12.530 min Scan# 1773
Delta R.T. 0.006 min
Lab File: VY023113.D
Acq: 15 Aug 2025 09:37

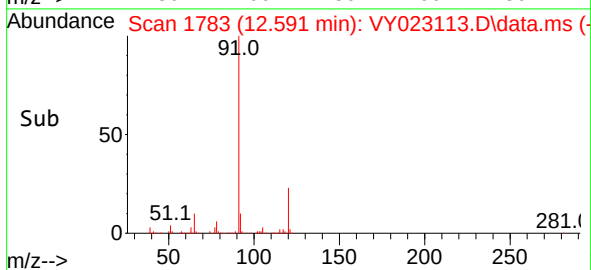
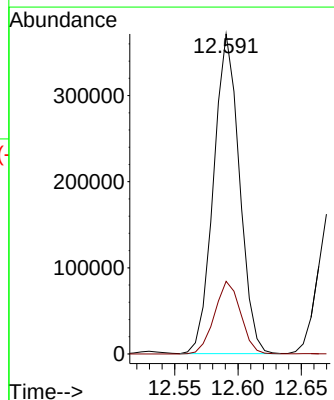
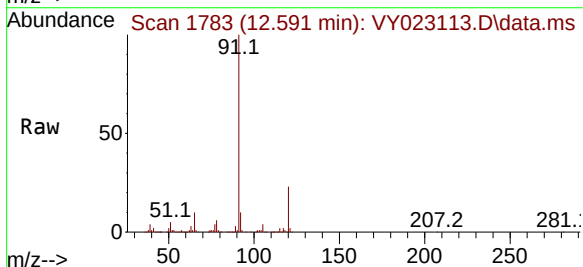
Instrument :
MSVOA_Y
ClientSampleId :
VY0815SBS01

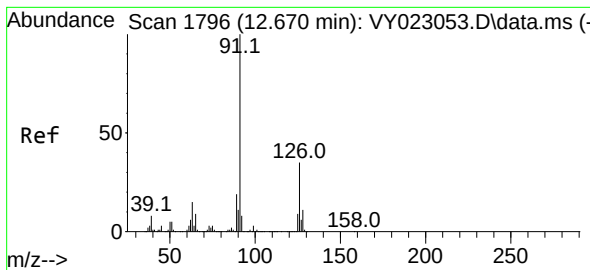
Tgt Ion:156 Resp: 104694
Ion Ratio Lower Upper
156 100
77 181.4 88.1 264.4
158 95.4 48.0 144.0



#78
n-propylbenzene
Concen: 19.204 ug/l
RT: 12.591 min Scan# 1783
Delta R.T. 0.000 min
Lab File: VY023113.D
Acq: 15 Aug 2025 09:37

Tgt Ion: 91 Resp: 527930
Ion Ratio Lower Upper
91 100
120 22.9 11.5 34.5

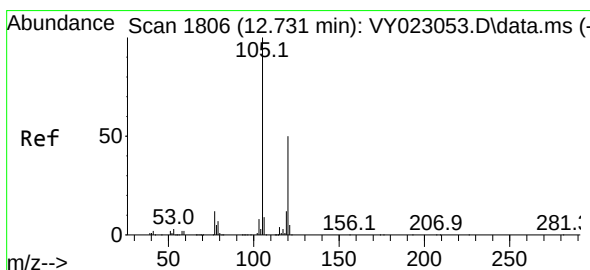
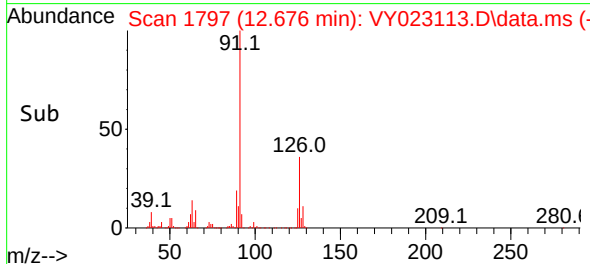
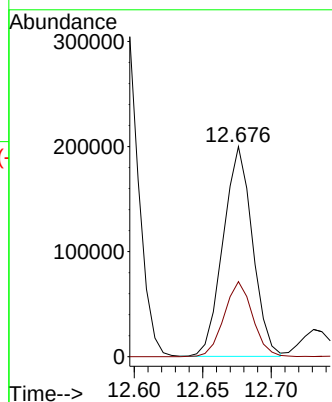
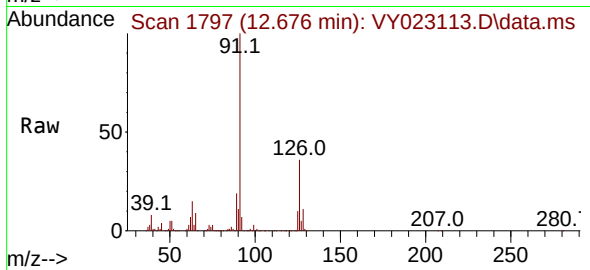




#79
2-Chlorotoluene
Concen: 18.946 ug/l
RT: 12.676 min Scan# 1796
Delta R.T. 0.006 min
Lab File: VY023113.D
Acq: 15 Aug 2025 09:37

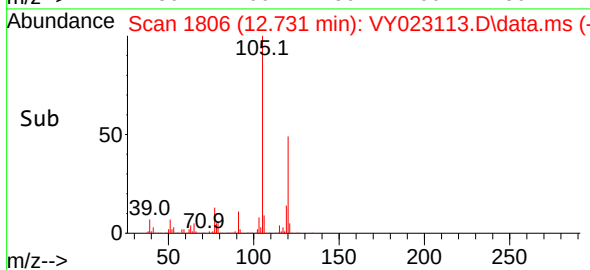
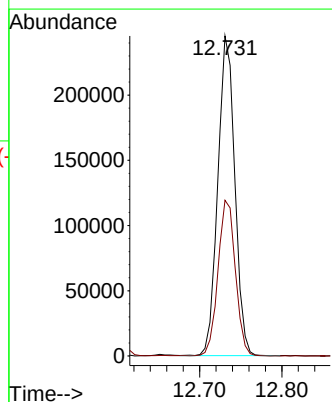
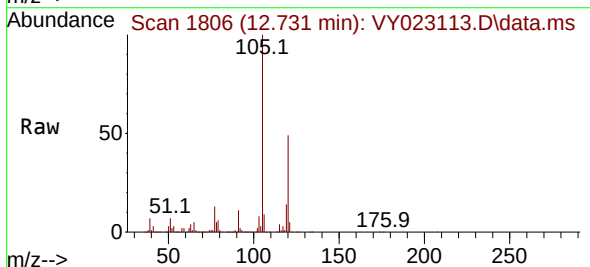
Instrument :
MSVOA_Y
ClientSampleId :
VY0815SBS01

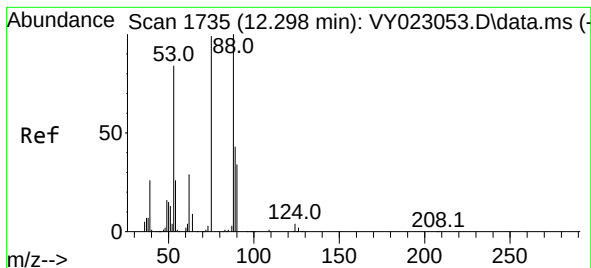
Tgt Ion: 91 Resp: 298409
Ion Ratio Lower Upper
91 100
126 34.8 17.4 52.3



#80
1,3,5-Trimethylbenzene
Concen: 18.850 ug/l
RT: 12.731 min Scan# 1806
Delta R.T. 0.000 min
Lab File: VY023113.D
Acq: 15 Aug 2025 09:37

Tgt Ion: 105 Resp: 351759
Ion Ratio Lower Upper
105 100
120 49.8 24.8 74.4

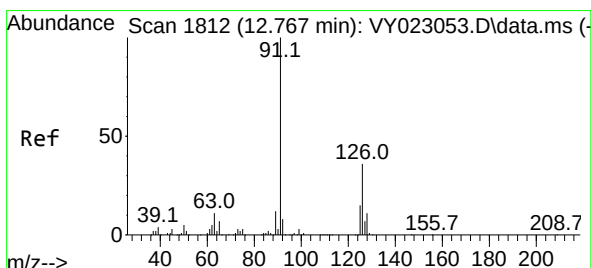
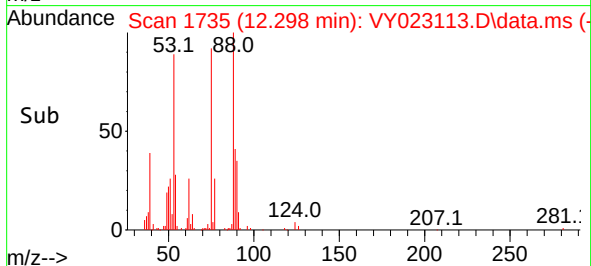
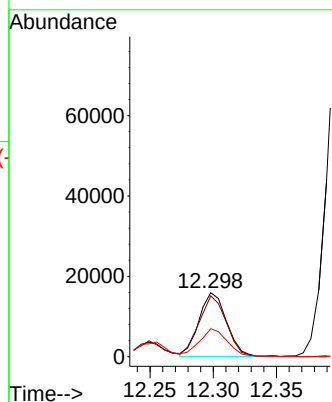
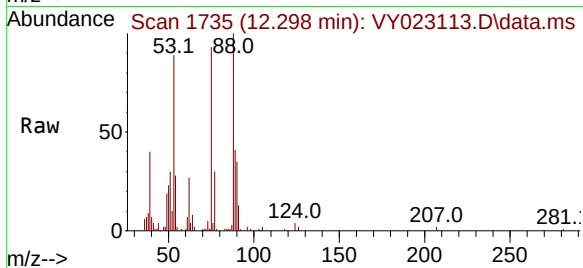




#81
 trans-1,4-Dichloro-2-butene
 Concen: 18.524 ug/l
 RT: 12.298 min Scan# 1735
 Delta R.T. 0.000 min
 Lab File: VY023113.D
 Acq: 15 Aug 2025 09:37

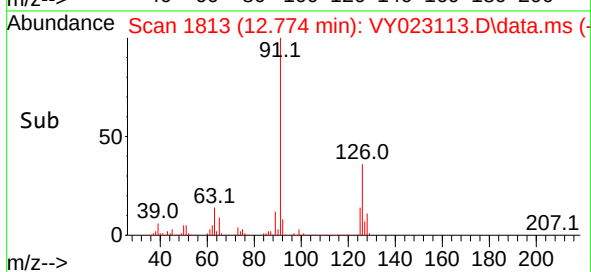
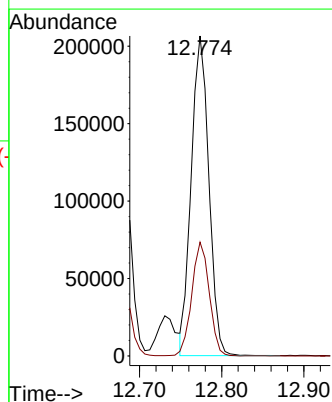
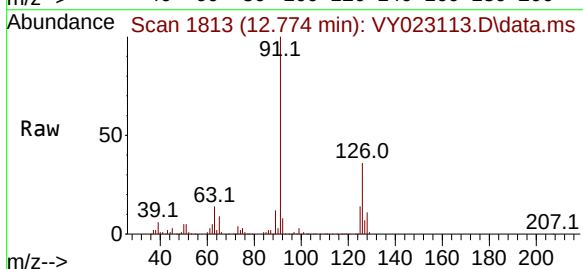
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0815SBS01

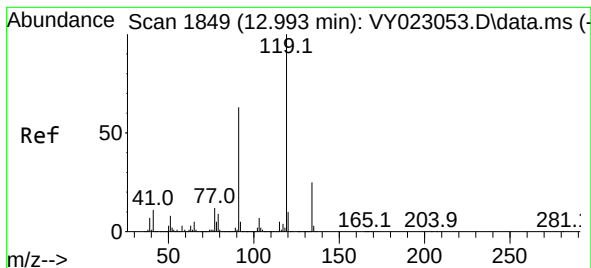
Tgt Ion: 75 Resp: 24161
 Ion Ratio Lower Upper
 75 100
 53 92.8 70.8 106.2
 89 44.7 38.1 57.1



#82
 4-Chlorotoluene
 Concen: 18.799 ug/l
 RT: 12.774 min Scan# 1813
 Delta R.T. 0.006 min
 Lab File: VY023113.D
 Acq: 15 Aug 2025 09:37

Tgt Ion: 91 Resp: 307174
 Ion Ratio Lower Upper
 91 100
 126 35.4 17.3 52.0

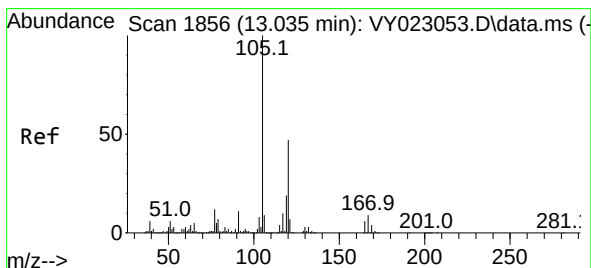
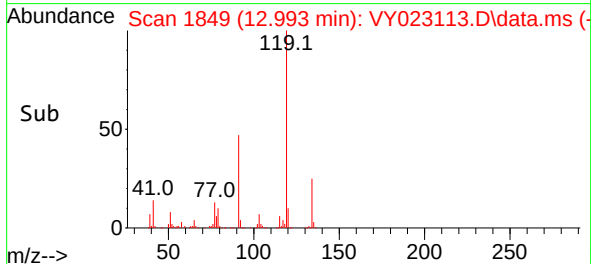
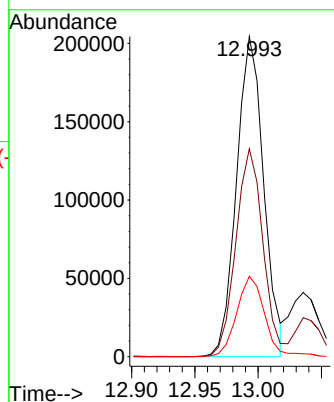
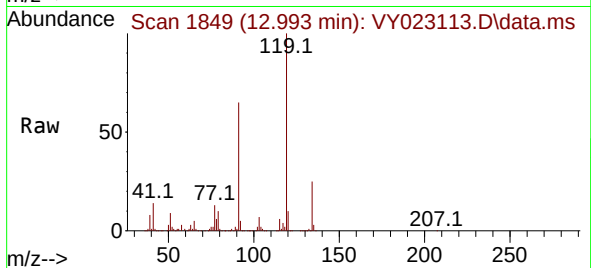




#83
 tert-Butylbenzene
 Concen: 18.153 ug/l
 RT: 12.993 min Scan# 1849
 Delta R.T. 0.000 min
 Lab File: VY023113.D
 Acq: 15 Aug 2025 09:37

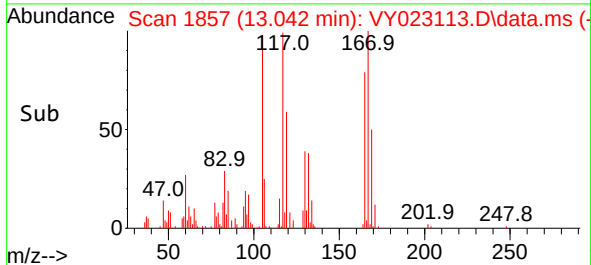
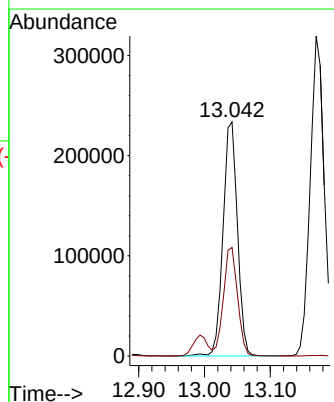
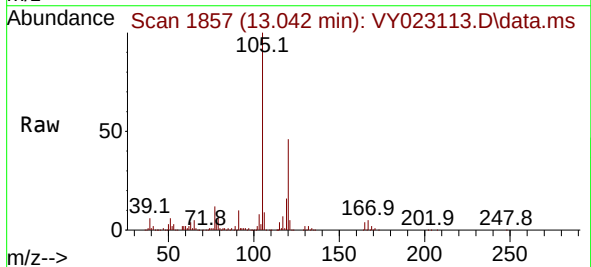
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0815SBS01

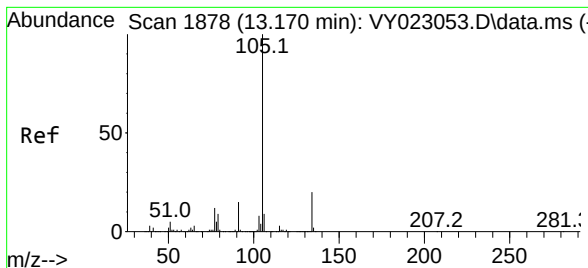
Tgt Ion:119 Resp: 305956
 Ion Ratio Lower Upper
 119 100
 91 65.3 31.6 94.8
 134 25.9 12.9 38.7



#84
 1,2,4-Trimethylbenzene
 Concen: 19.199 ug/l
 RT: 13.042 min Scan# 1857
 Delta R.T. 0.006 min
 Lab File: VY023113.D
 Acq: 15 Aug 2025 09:37

Tgt Ion:105 Resp: 356647
 Ion Ratio Lower Upper
 105 100
 120 45.5 23.0 69.0

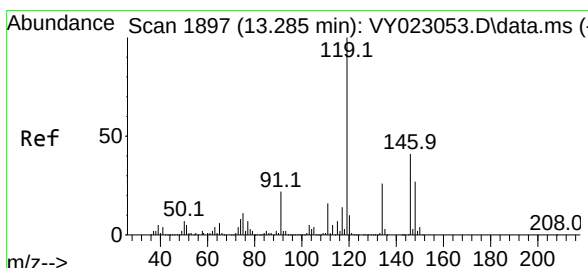
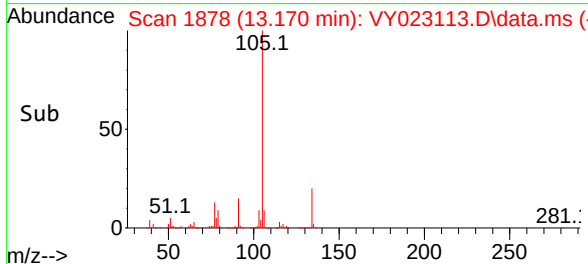
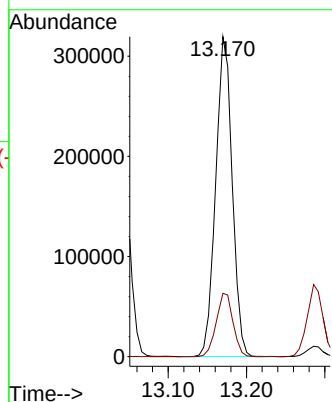
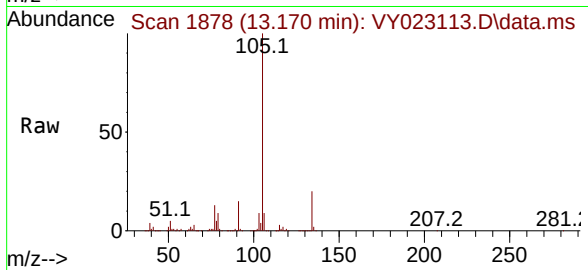




#85
 sec-Butylbenzene
 Concen: 18.917 ug/l
 RT: 13.170 min Scan# 1878
 Delta R.T. 0.000 min
 Lab File: VY023113.D
 Acq: 15 Aug 2025 09:37

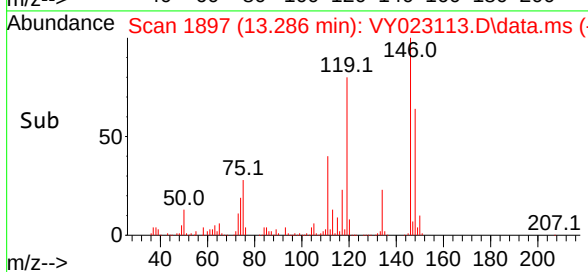
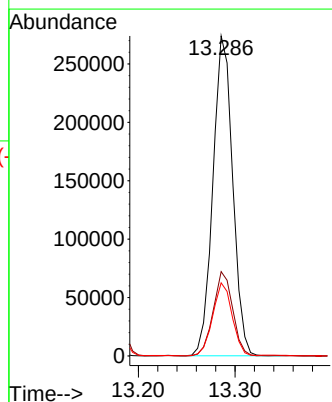
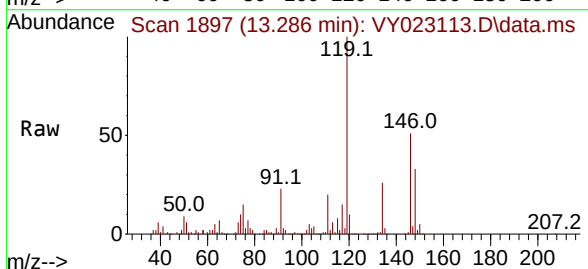
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0815SBS01

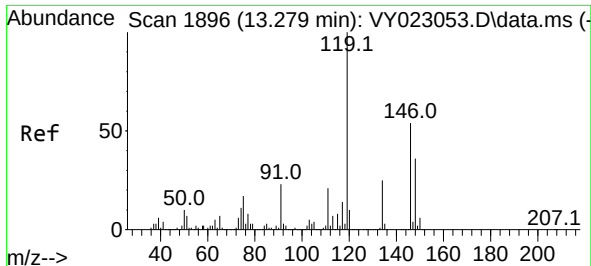
Tgt Ion:105 Resp: 468353
 Ion Ratio Lower Upper
 105 100
 134 20.1 10.2 30.4



#86
 p-Isopropyltoluene
 Concen: 18.897 ug/l
 RT: 13.286 min Scan# 1897
 Delta R.T. 0.000 min
 Lab File: VY023113.D
 Acq: 15 Aug 2025 09:37

Tgt Ion:119 Resp: 388353
 Ion Ratio Lower Upper
 119 100
 134 26.0 13.2 39.6
 91 22.5 11.3 33.8





#87

1,3-Dichlorobenzene

Concen: 19.055 ug/l

RT: 13.286 min Scan# 1910

Delta R.T. 0.006 min

Lab File: VY023113.D

Acq: 15 Aug 2025 09:37

Instrument :

MSVOA_Y

ClientSampleId :

VY0815SBS01

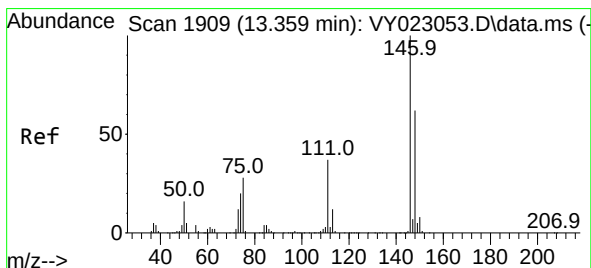
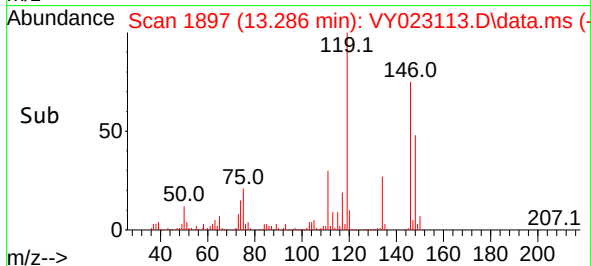
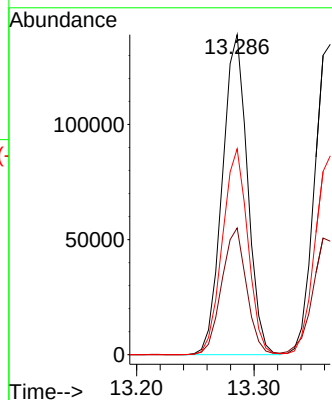
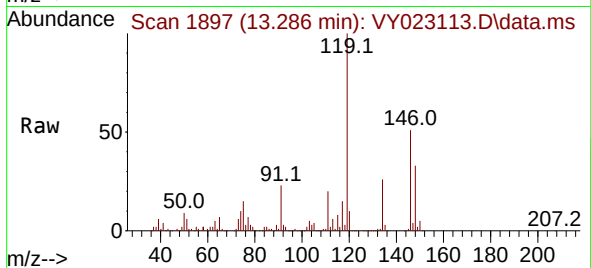
Tgt Ion:146 Resp: 206995

Ion Ratio Lower Upper

146 100

111 39.1 19.6 58.7

148 65.1 32.5 97.5



#88

1,4-Dichlorobenzene

Concen: 19.268 ug/l

RT: 13.365 min Scan# 1910

Delta R.T. 0.006 min

Lab File: VY023113.D

Acq: 15 Aug 2025 09:37

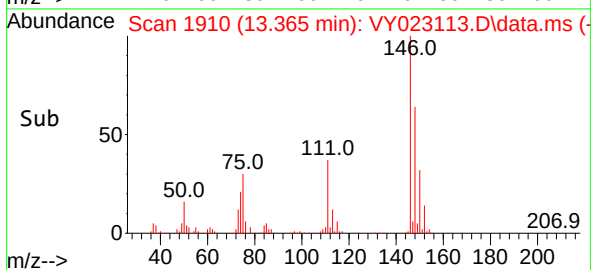
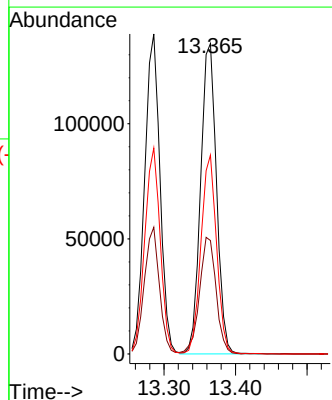
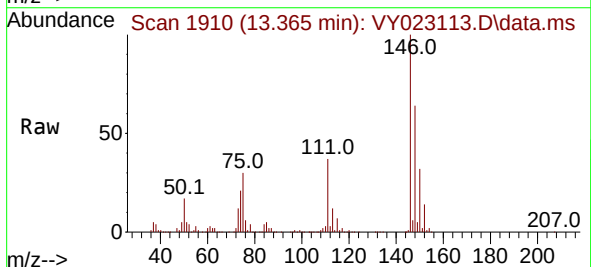
Tgt Ion:146 Resp: 207638

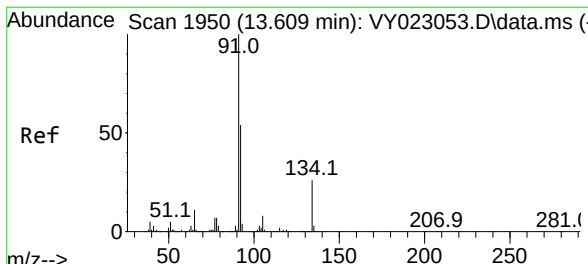
Ion Ratio Lower Upper

146 100

111 39.3 19.1 57.1

148 63.2 31.6 94.7



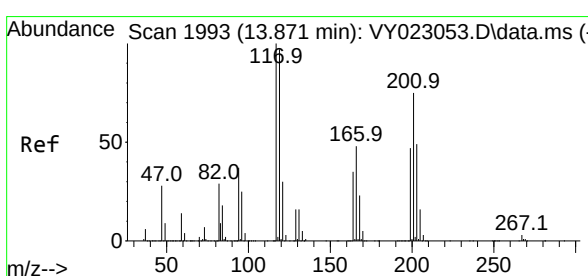
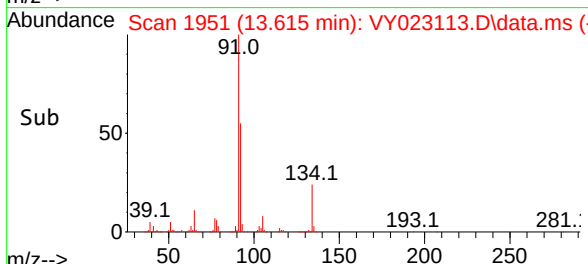
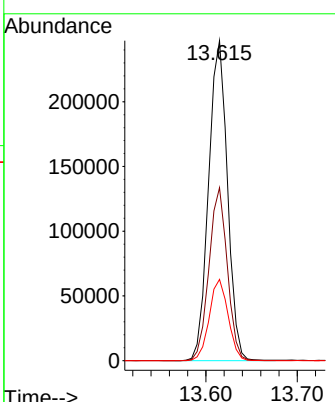
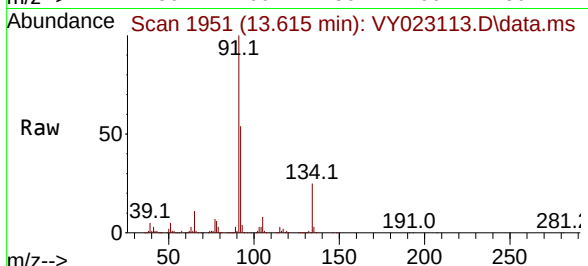


#89
 n-Butylbenzene
 Concen: 18.720 ug/l
 RT: 13.615 min Scan# 1951
 Delta R.T. 0.006 min
 Lab File: VY023113.D
 Acq: 15 Aug 2025 09:37

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0815SBS01

Tgt Ion: 91 Resp: 353333

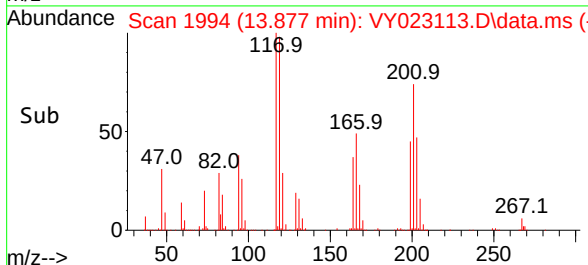
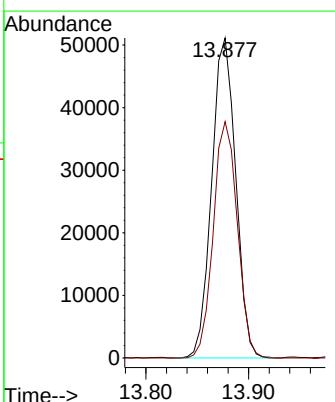
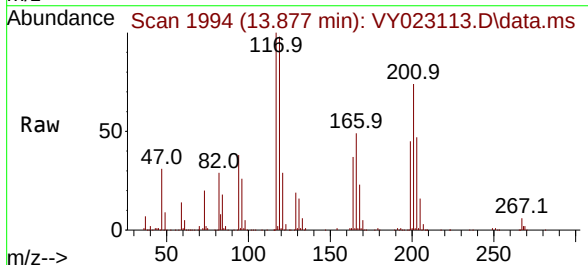
Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.9	80.7
134	25.5	13.2	39.5

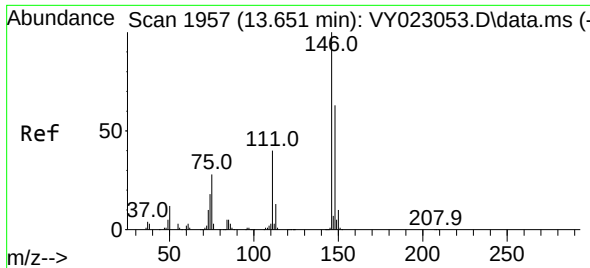


#90
 Hexachloroethane
 Concen: 19.725 ug/l
 RT: 13.877 min Scan# 1994
 Delta R.T. 0.006 min
 Lab File: VY023113.D
 Acq: 15 Aug 2025 09:37

Tgt Ion: 117 Resp: 82985

Ion	Ratio	Lower	Upper
117	100		
201	73.8	38.4	115.1

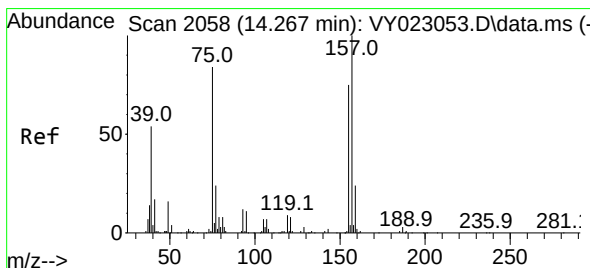
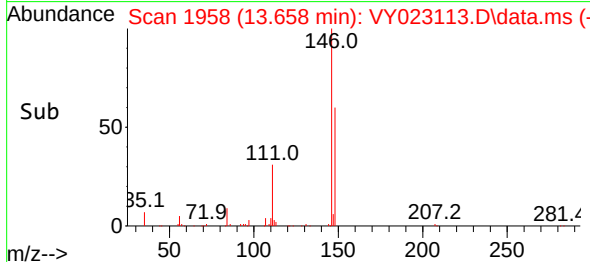
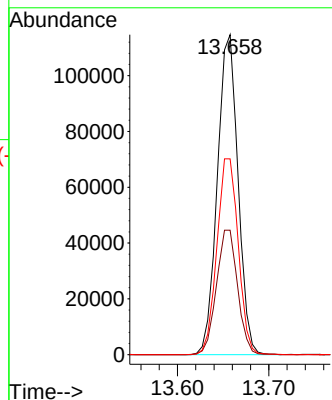
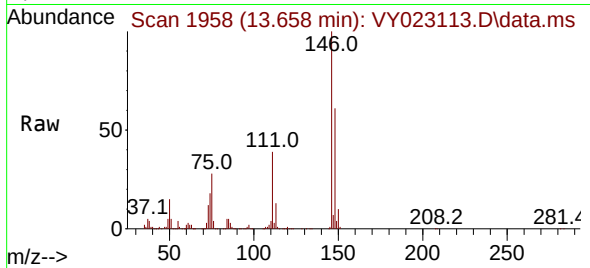




#91
1,2-Dichlorobenzene
Concen: 18.946 ug/l
RT: 13.658 min Scan# 1958
Delta R.T. 0.006 min
Lab File: VY023113.D
Acq: 15 Aug 2025 09:37

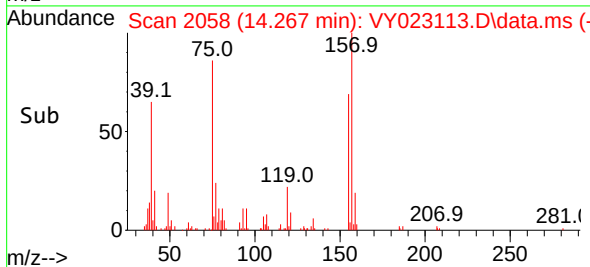
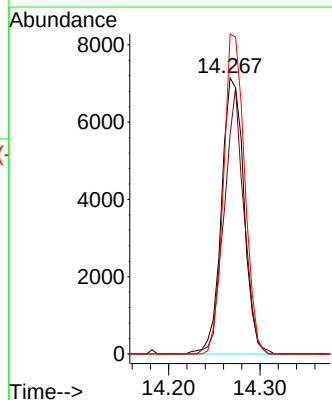
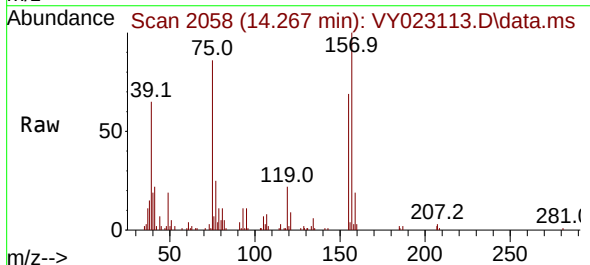
Instrument :
MSVOA_Y
ClientSampleId :
VY0815SBS01

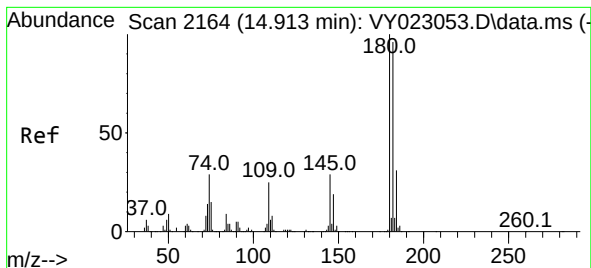
Tgt Ion:	146	Resp:	180503
Ion	Ratio	Lower	Upper
146	100		
111	39.9	20.3	60.8
148	63.2	32.2	96.6



#92
1,2-Dibromo-3-Chloropropane
Concen: 19.809 ug/l
RT: 14.267 min Scan# 2058
Delta R.T. 0.000 min
Lab File: VY023113.D
Acq: 15 Aug 2025 09:37

Tgt Ion:	75	Resp:	12160
Ion	Ratio	Lower	Upper
75	100		
155	85.4	43.9	131.6
157	109.3	57.2	171.6





#93

1,2,4-Trichlorobenzene

Concen: 18.177 ug/l

RT: 14.913 min Scan# 2164

Delta R.T. 0.000 min

Lab File: VY023113.D

Acq: 15 Aug 2025 09:37

Instrument :

MSVOA_Y

ClientSampleId :

VY0815SBS01

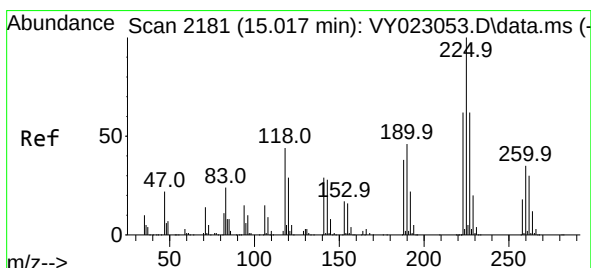
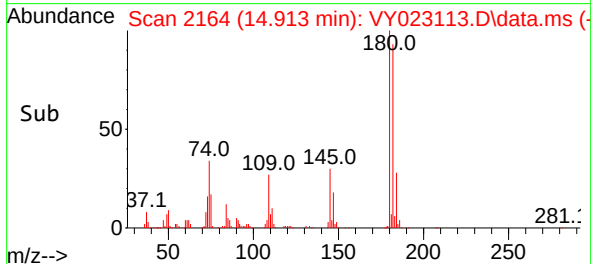
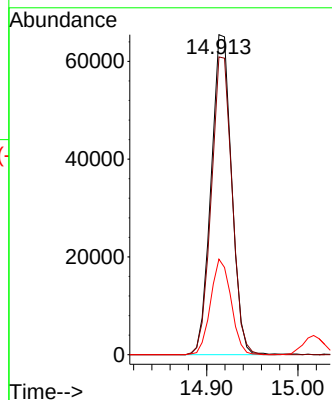
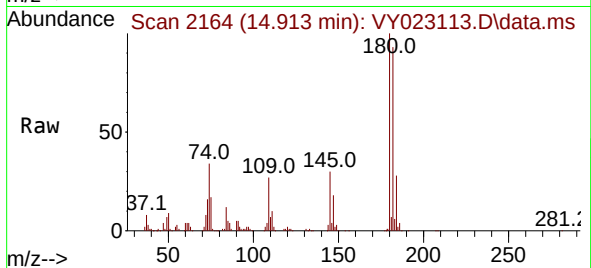
Tgt Ion:180 Resp: 102405

Ion Ratio Lower Upper

180 100

182 93.8 46.8 140.4

145 29.7 14.4 43.4



#94

Hexachlorobutadiene

Concen: 18.710 ug/l

RT: 15.017 min Scan# 2181

Delta R.T. 0.000 min

Lab File: VY023113.D

Acq: 15 Aug 2025 09:37

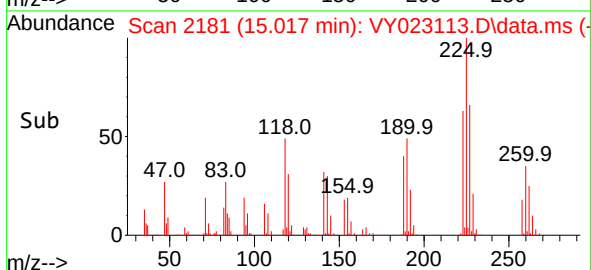
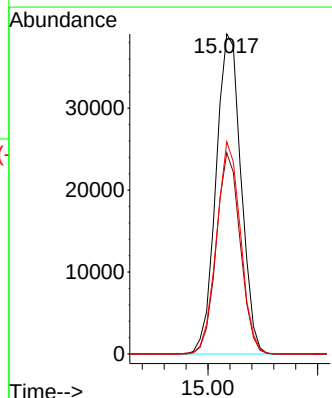
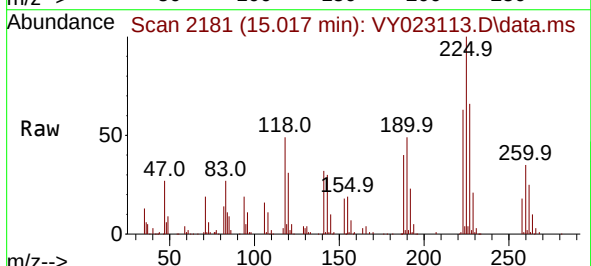
Tgt Ion:225 Resp: 61940

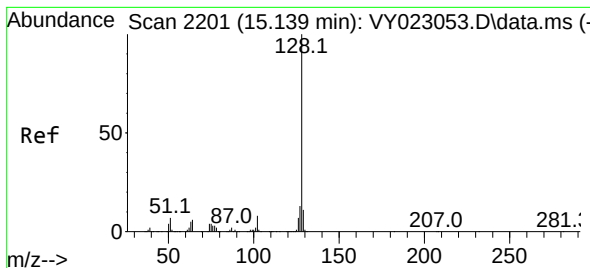
Ion Ratio Lower Upper

225 100

223 60.2 31.3 93.8

227 63.8 31.5 94.5





#95

Naphthalene

Concen: 17.503 ug/l

RT: 15.139 min Scan# 2201

Delta R.T. 0.000 min

Lab File: VY023113.D

Acq: 15 Aug 2025 09:37

Instrument :

MSVOA_Y

ClientSampleId :

VY0815SBS01

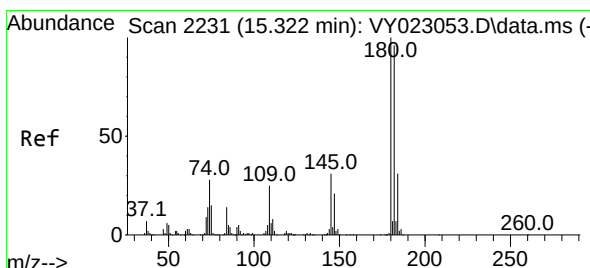
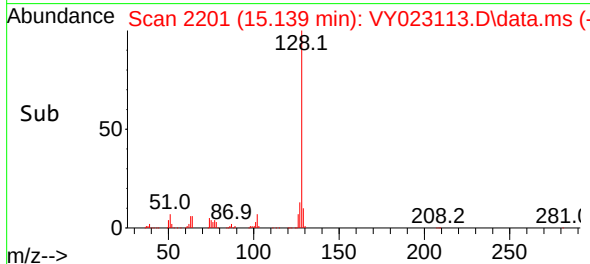
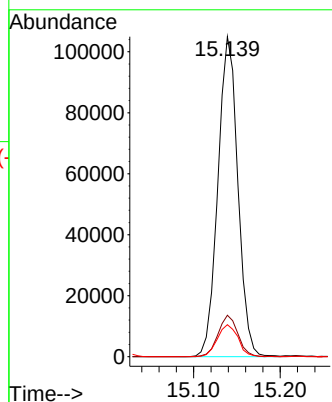
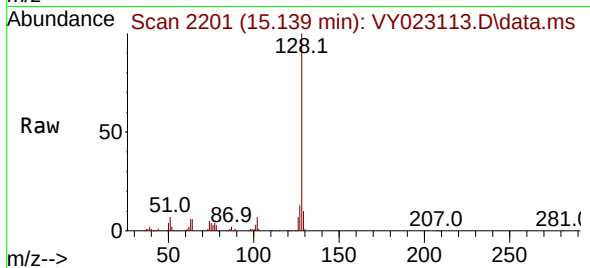
Tgt Ion:128 Resp: 168145

Ion Ratio Lower Upper

128 100

127 12.8 10.4 15.6

129 10.4 9.0 13.4



#96

1,2,3-Trichlorobenzene

Concen: 17.892 ug/l

RT: 15.322 min Scan# 2231

Delta R.T. 0.000 min

Lab File: VY023113.D

Acq: 15 Aug 2025 09:37

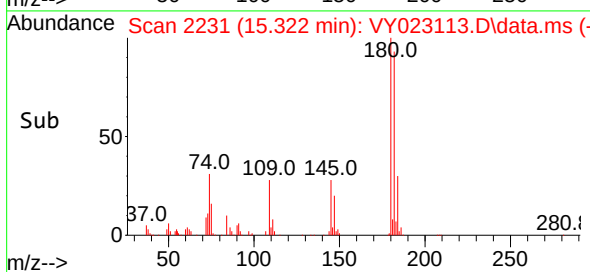
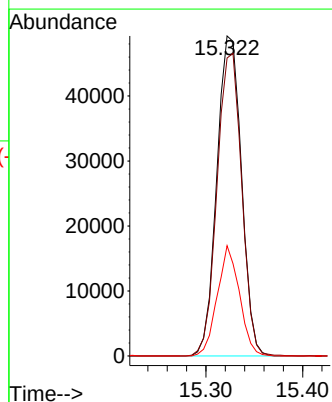
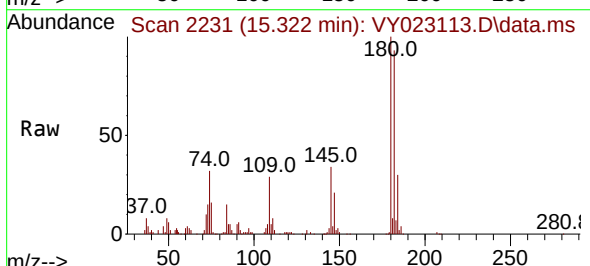
Tgt Ion:180 Resp: 86860

Ion Ratio Lower Upper

180 100

182 94.7 47.9 143.7

145 31.1 15.9 47.7



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081525\
 Data File : VY023135.D
 Acq On : 15 Aug 2025 19:06
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Aug 18 02:33:49 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 13 02:10:11 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	430308	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	718703	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	640791	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	327055	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	209678	51.127	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 102.260%	
35) Dibromofluoromethane	7.628	113	208578	48.501	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 97.000%	
50) Toluene-d8	10.103	98	835617	49.738	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 99.480%	
62) 4-Bromofluorobenzene	12.402	95	266231	49.275	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 98.560%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.861	85	121628	34.628	ug/l	99
3) Chloromethane	2.068	50	257975	45.346	ug/l	97
4) Vinyl Chloride	2.202	62	345536	49.135	ug/l	99
5) Bromomethane	2.592	94	270785	51.559	ug/l	100
6) Chloroethane	2.733	64	241433	51.640	ug/l	99
7) Trichlorofluoromethane	3.050	101	396172	46.330	ug/l	97
8) Diethyl Ether	3.452	74	102249	45.197	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.806	101	180286	42.736	ug/l	99
10) Methyl Iodide	4.001	142	223871	49.178	ug/l	98
11) Tert butyl alcohol	4.854	59	58084	206.701	ug/l	98
12) 1,1-Dichloroethene	3.781	96	187457	45.207	ug/l	96
13) Acrolein	3.653	56	58421	141.959	ug/l	98
14) Allyl chloride	4.379	41	274900	45.054	ug/l	98
15) Acrylonitrile	5.055	53	207991	226.140	ug/l	99
16) Acetone	3.866	43	150363	169.235	ug/l	99
17) Carbon Disulfide	4.098	76	597944	44.225	ug/l	99
18) Methyl Acetate	4.385	43	154996	58.622	ug/l	99
19) Methyl tert-butyl Ether	5.110	73	498217	46.367	ug/l	100
20) Methylene Chloride	4.610	84	221392	47.835	ug/l	98
21) trans-1,2-Dichloroethene	5.110	96	223573	47.978	ug/l	95
22) Diisopropyl ether	6.019	45	632885	47.734	ug/l	98
23) Vinyl Acetate	5.958	43	1530852	208.809	ug/l	100
24) 1,1-Dichloroethane	5.909	63	385922	47.608	ug/l	99
25) 2-Butanone	6.890	43	242030	200.293	ug/l	97
26) 2,2-Dichloropropane	6.884	77	296658	42.412	ug/l	98
27) cis-1,2-Dichloroethene	6.884	96	260875	48.425	ug/l	98
28) Bromochloromethane	7.244	49	159803	49.690	ug/l	99
29) Tetrahydrofuran	7.262	42	164833	220.064	ug/l	99
30) Chloroform	7.421	83	409239	48.951	ug/l	96
31) Cyclohexane	7.701	56	317051	41.505	ug/l	99
32) 1,1,1-Trichloroethane	7.610	97	353516	47.657	ug/l	98
36) 1,1-Dichloropropene	7.829	75	286083	44.762	ug/l	99
37) Ethyl Acetate	6.982	43	113967	42.450	ug/l	99
38) Carbon Tetrachloride	7.817	117	313598	45.177	ug/l	97
39) Methylcyclohexane	9.109	83	357877	42.522	ug/l	96
40) Benzene	8.073	78	916243	46.514	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081525\
 Data File : VY023135.D
 Acq On : 15 Aug 2025 19:06
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Aug 18 02:33:49 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 13 02:10:11 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	64946	41.916	ug/l	96
42) 1,2-Dichloroethane	8.152	62	234175	45.709	ug/l	98
43) Isopropyl Acetate	8.195	43	235882	43.470	ug/l	100
44) Trichloroethene	8.860	130	241977	47.535	ug/l	97
45) 1,2-Dichloropropane	9.140	63	211470	46.657	ug/l	100
46) Dibromomethane	9.225	93	119663	45.999	ug/l	98
47) Bromodichloromethane	9.420	83	310859	46.439	ug/l	98
48) Methyl methacrylate	9.219	41	117614	45.295	ug/l	98
49) 1,4-Dioxane	9.225	88	27514	902.014	ug/l	92
51) 4-Methyl-2-Pentanone	9.993	43	615423	219.870	ug/l	100
52) Toluene	10.164	92	591580	47.285	ug/l	98
53) t-1,3-Dichloropropene	10.390	75	274370	45.264	ug/l	97
54) cis-1,3-Dichloropropene	9.853	75	325037	45.347	ug/l	100
55) 1,1,2-Trichloroethane	10.567	97	157893	45.358	ug/l	97
56) Ethyl methacrylate	10.438	69	201789	45.302	ug/l	98
57) 1,3-Dichloropropane	10.713	76	269094	45.582	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.707	63	520841	247.890	ug/l	99
59) 2-Hexanone	10.756	43	403176	211.536	ug/l	100
60) Dibromochloromethane	10.908	129	211553	46.058	ug/l	100
61) 1,2-Dibromoethane	11.012	107	148382	45.352	ug/l	99
64) Tetrachloroethene	10.646	164	297964	52.075	ug/l	98
65) Chlorobenzene	11.438	112	640496	46.339	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.511	131	219895	46.876	ug/l	99
67) Ethyl Benzene	11.511	91	1124279	47.266	ug/l	99
68) m/p-Xylenes	11.621	106	878925	94.610	ug/l	99
69) o-Xylene	11.950	106	412282	47.384	ug/l	98
70) Styrene	11.963	104	693511	48.738	ug/l	100
71) Bromoform	12.127	173	117595	42.892	ug/l	98
73) Isopropylbenzene	12.249	105	1067182	46.232	ug/l	100
74) N-amyl acetate	12.066	43	201534	41.170	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.499	83	150140	38.093	ug/l	98
76) 1,2,3-Trichloropropane	12.548	75	221151	70.064	ug/l #	100
77) Bromobenzene	12.523	156	242744	44.080	ug/l	98
78) n-propylbenzene	12.591	91	1280468	46.593	ug/l	100
79) 2-Chlorotoluene	12.676	91	728787	46.284	ug/l	99
80) 1,3,5-Trimethylbenzene	12.731	105	870525	46.663	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.298	75	51688	39.640	ug/l	98
82) 4-Chlorotoluene	12.773	91	754599	46.196	ug/l	100
83) tert-Butylbenzene	12.993	119	778117	46.181	ug/l	100
84) 1,2,4-Trimethylbenzene	13.036	105	879311	47.349	ug/l	100
85) sec-Butylbenzene	13.170	105	1156161	46.712	ug/l	99
86) p-Isopropyltoluene	13.286	119	972014	47.312	ug/l	99
87) 1,3-Dichlorobenzene	13.279	146	493403	45.434	ug/l	99
88) 1,4-Dichlorobenzene	13.359	146	482971	44.832	ug/l	99
89) n-Butylbenzene	13.609	91	886753	46.994	ug/l	99
90) Hexachloroethane	13.877	117	193098	45.913	ug/l	97
91) 1,2-Dichlorobenzene	13.651	146	431633	45.320	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.267	75	25801	42.044	ug/l	98
93) 1,2,4-Trichlorobenzene	14.913	180	236226	41.942	ug/l	99
94) Hexachlorobutadiene	15.017	225	137786	41.632	ug/l	99
95) Naphthalene	15.139	128	413036	43.007	ug/l	100
96) 1,2,3-Trichlorobenzene	15.322	180	205156	42.272	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081525\
Data File : VY023135.D
Acq On : 15 Aug 2025 19:06
Operator : SY/MD
Sample : VSTDCCC050EC
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Quant Time: Aug 18 02:33:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

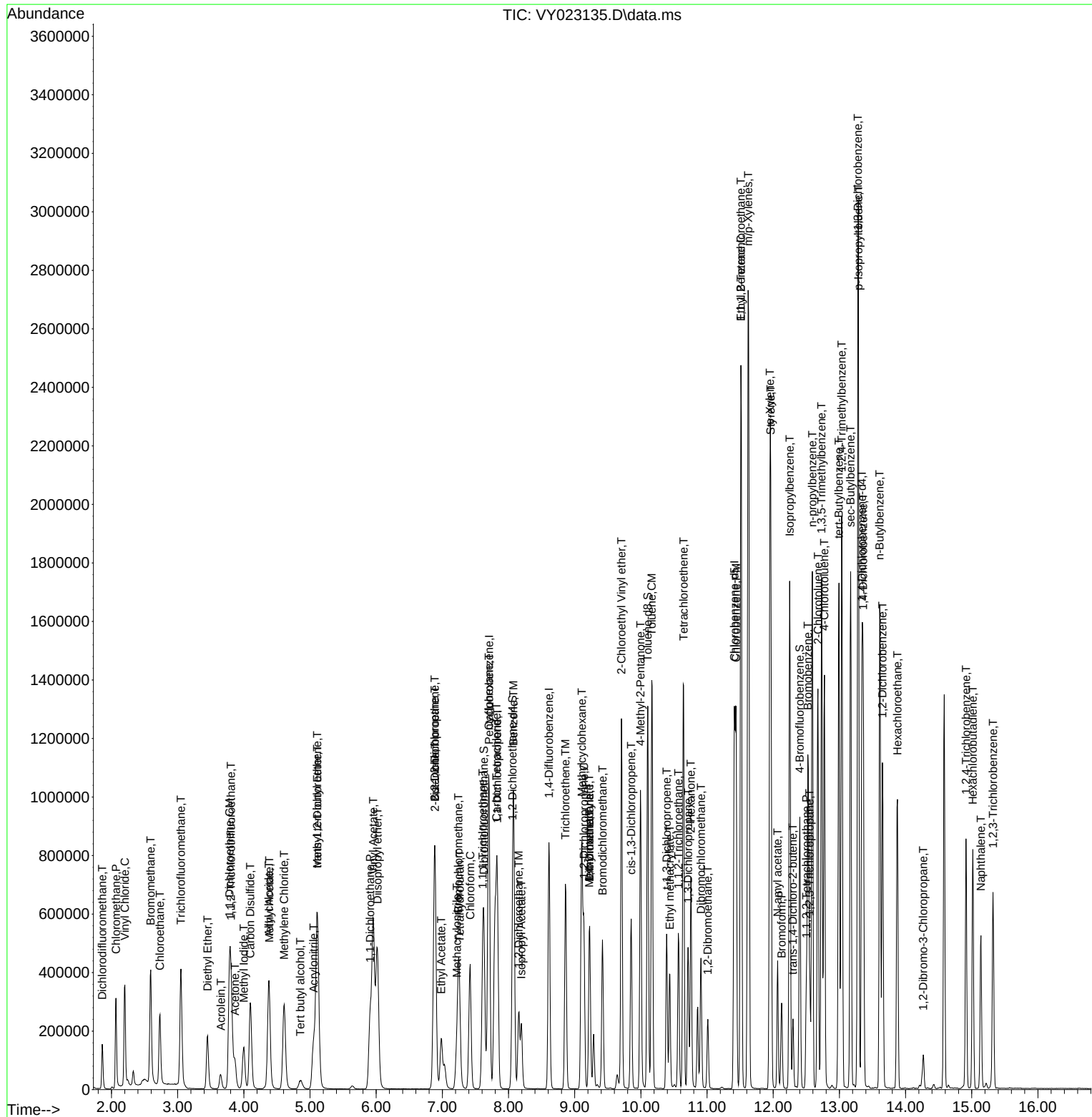
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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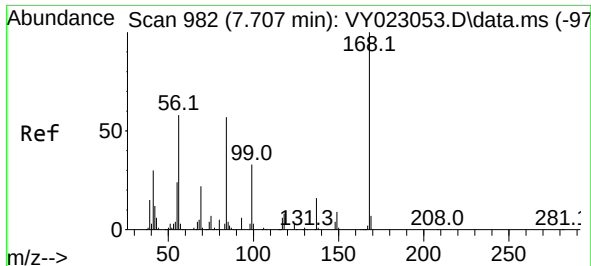
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081525\
Data File : VY023135.D
Acq On : 15 Aug 2025 19:06
Operator : SY/MD
Sample : VSTDCCC050EC
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Quant Time: Aug 18 02:33:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

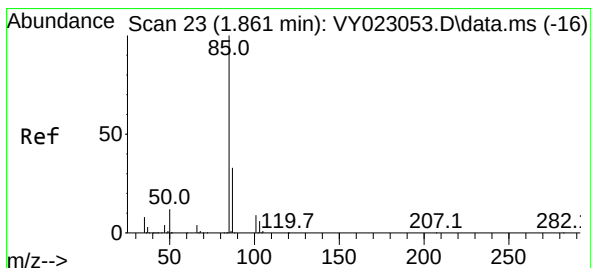
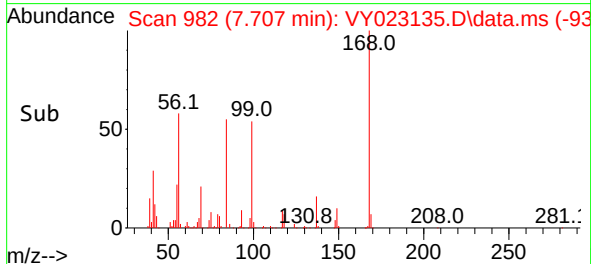
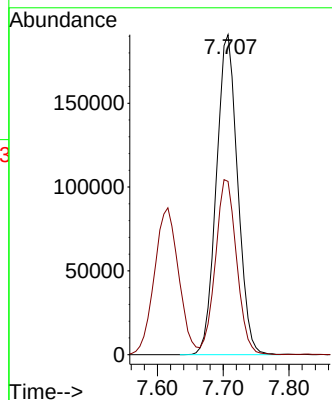
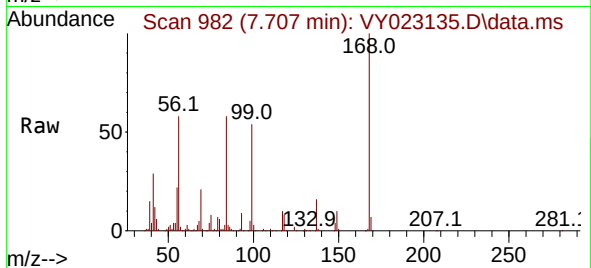




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023135.D
Acq: 15 Aug 2025 19:06

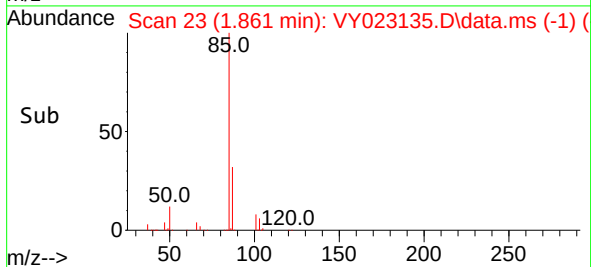
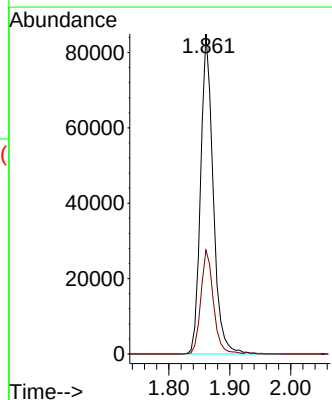
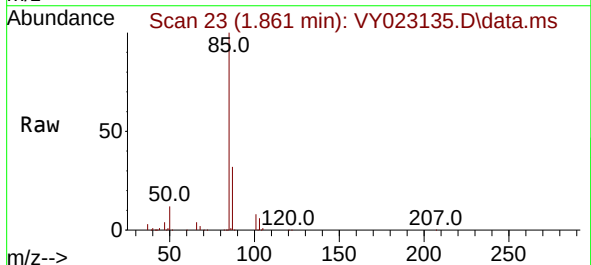
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

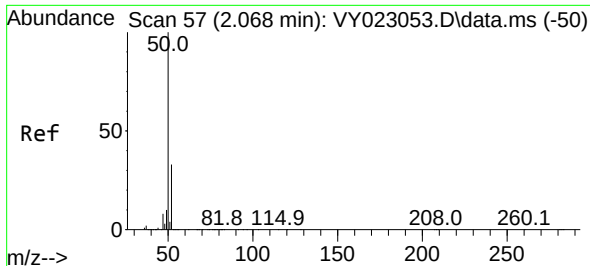
Tgt Ion:168 Resp: 430308
Ion Ratio Lower Upper
168 100
99 54.1 42.8 64.2



#2
Dichlorodifluoromethane
Concen: 34.628 ug/l
RT: 1.861 min Scan# 23
Delta R.T. 0.000 min
Lab File: VY023135.D
Acq: 15 Aug 2025 19:06

Tgt Ion: 85 Resp: 121628
Ion Ratio Lower Upper
85 100
87 32.5 16.6 49.8

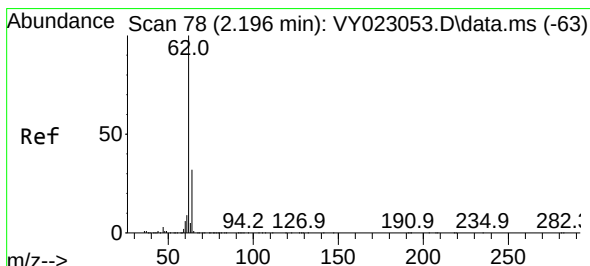
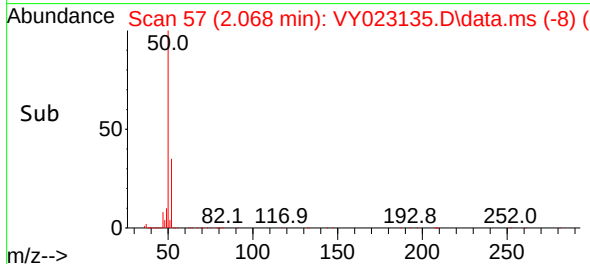
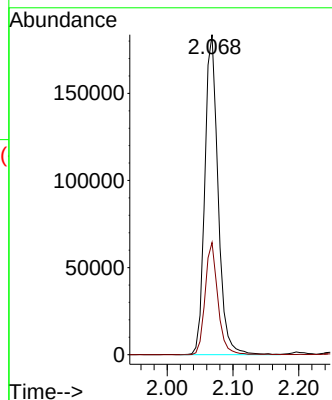
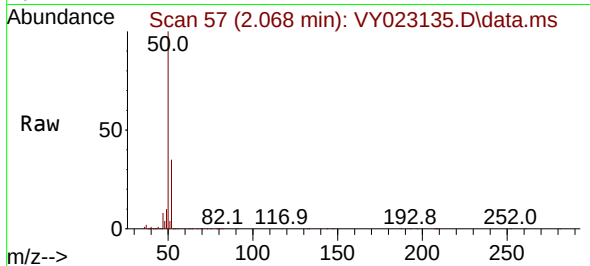




#3
Chloromethane
Concen: 45.346 ug/l
RT: 2.068 min Scan# 51
Delta R.T. 0.000 min
Lab File: VY023135.D
Acq: 15 Aug 2025 19:06

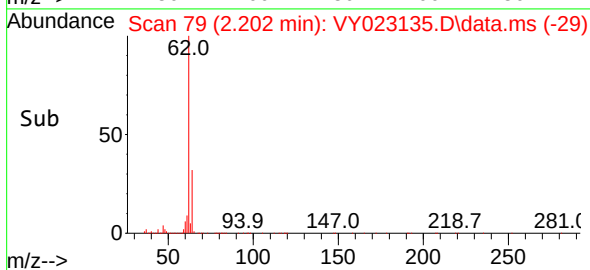
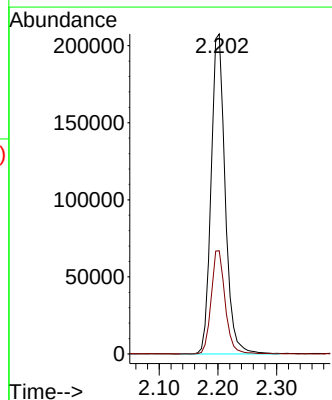
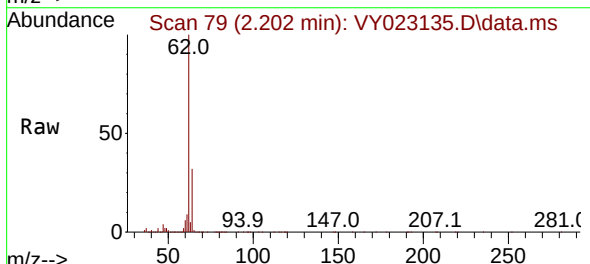
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

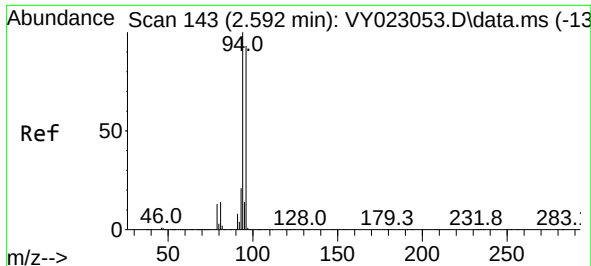
Tgt Ion: 50 Resp: 257975
Ion Ratio Lower Upper
50 100
52 35.0 26.7 40.1



#4
Vinyl Chloride
Concen: 49.135 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.006 min
Lab File: VY023135.D
Acq: 15 Aug 2025 19:06

Tgt Ion: 62 Resp: 345536
Ion Ratio Lower Upper
62 100
64 32.2 25.4 38.0

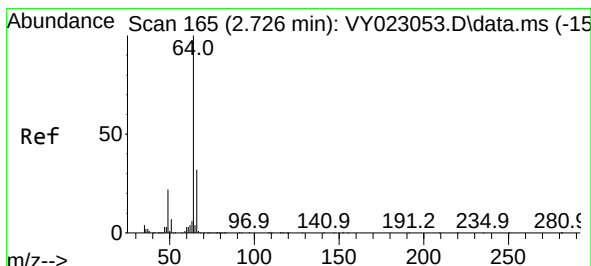
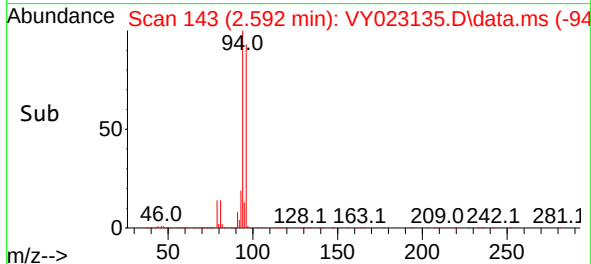
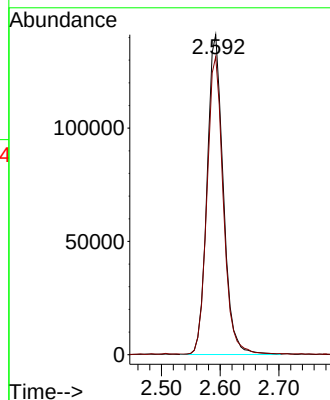
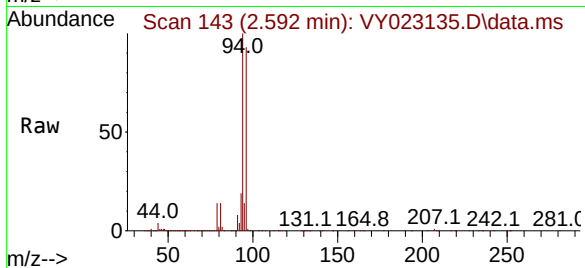




#5
Bromomethane
Concen: 51.559 ug/l
RT: 2.592 min Scan# 143
Delta R.T. 0.000 min
Lab File: VY023135.D
Acq: 15 Aug 2025 19:06

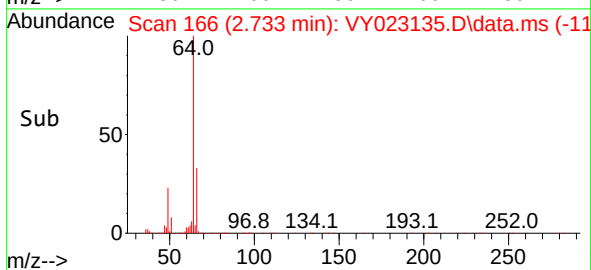
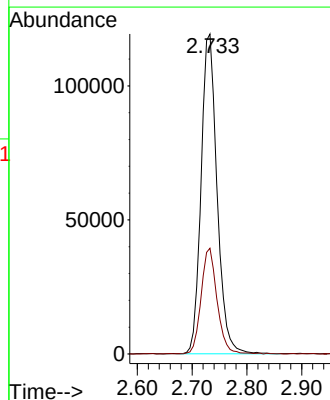
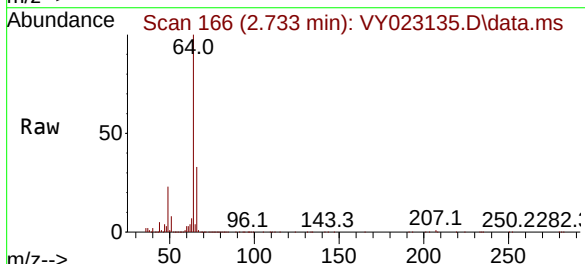
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

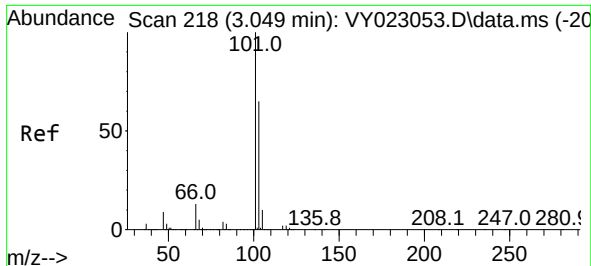
Tgt Ion: 94 Resp: 270785
Ion Ratio Lower Upper
94 100
96 93.0 74.6 112.0



#6
Chloroethane
Concen: 51.640 ug/l
RT: 2.733 min Scan# 166
Delta R.T. 0.006 min
Lab File: VY023135.D
Acq: 15 Aug 2025 19:06

Tgt Ion: 64 Resp: 241433
Ion Ratio Lower Upper
64 100
66 33.0 25.8 38.6

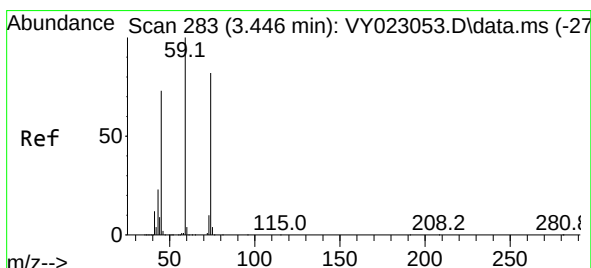
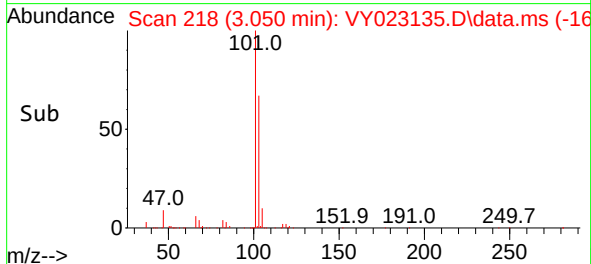
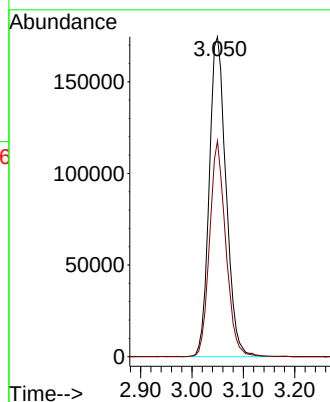
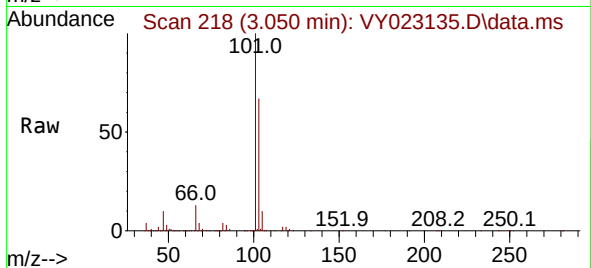




#7
 Trichlorofluoromethane
 Concen: 46.330 ug/l
 RT: 3.050 min Scan# 218
 Delta R.T. 0.000 min
 Lab File: VY023135.D
 Acq: 15 Aug 2025 19:06

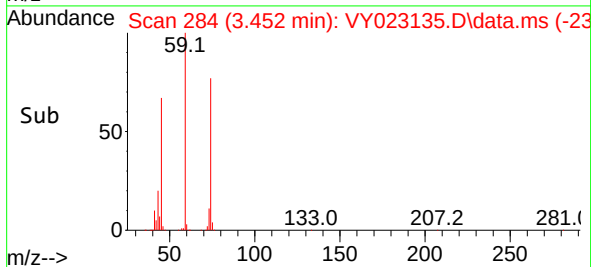
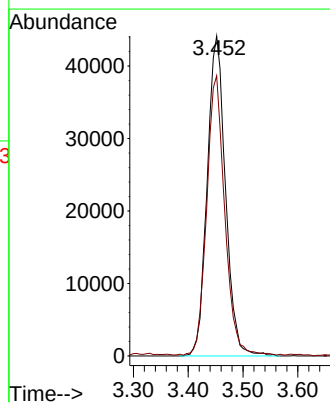
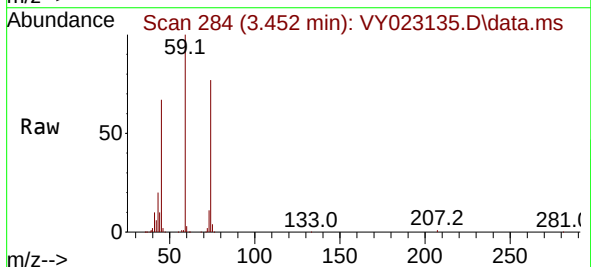
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

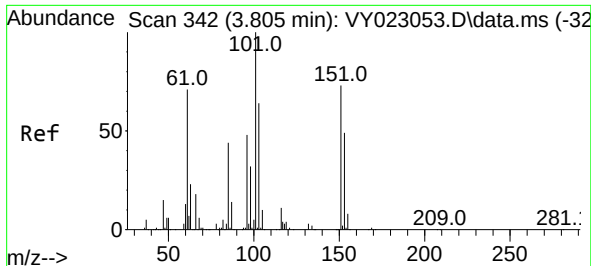
Tgt Ion:101 Resp: 396172
 Ion Ratio Lower Upper
 101 100
 103 67.4 51.9 77.9



#8
 Diethyl Ether
 Concen: 45.197 ug/l
 RT: 3.452 min Scan# 284
 Delta R.T. 0.006 min
 Lab File: VY023135.D
 Acq: 15 Aug 2025 19:06

Tgt Ion: 74 Resp: 102249
 Ion Ratio Lower Upper
 74 100
 45 85.6 44.4 133.2

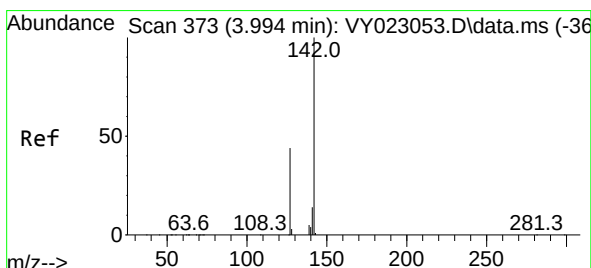
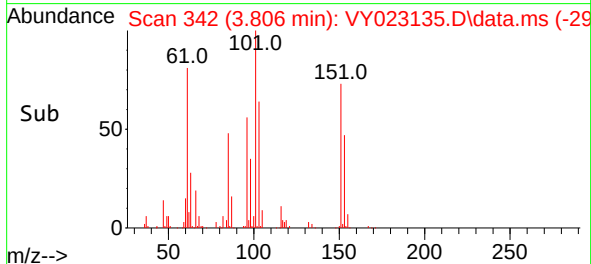
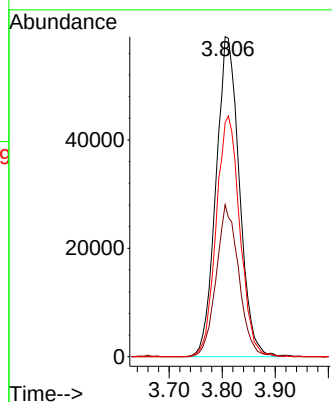
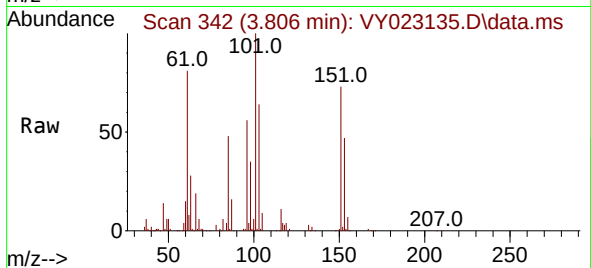




#9
1,1,2-Trichlorotrifluoroethane
Concen: 42.736 ug/l
RT: 3.806 min Scan# 34
Delta R.T. 0.000 min
Lab File: VY023135.D
Acq: 15 Aug 2025 19:06

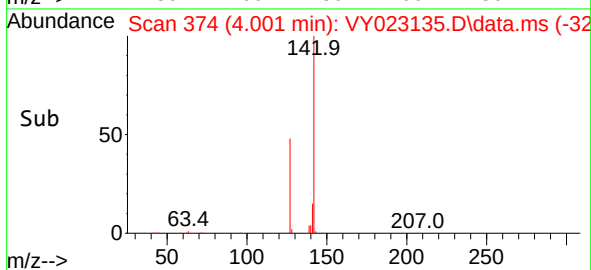
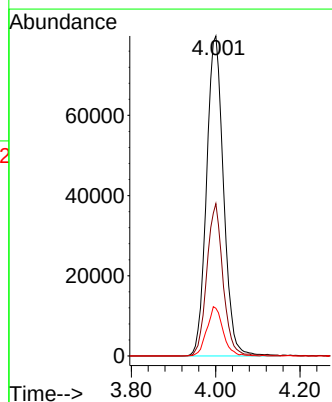
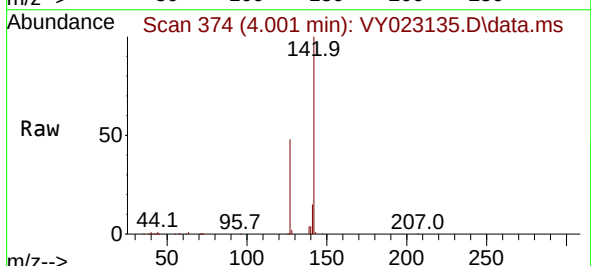
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

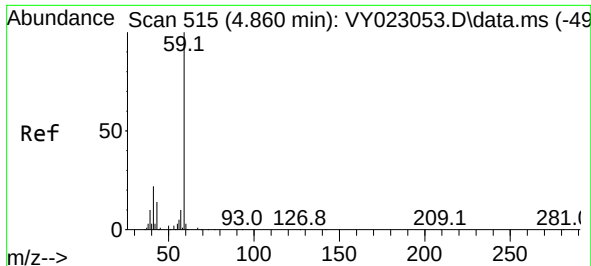
Tgt Ion:101 Resp: 180286
Ion Ratio Lower Upper
101 100
85 46.0 36.3 54.5
151 76.5 61.5 92.3



#10
Methyl Iodide
Concen: 49.178 ug/l
RT: 4.001 min Scan# 374
Delta R.T. 0.006 min
Lab File: VY023135.D
Acq: 15 Aug 2025 19:06

Tgt Ion:142 Resp: 223871
Ion Ratio Lower Upper
142 100
127 45.3 34.9 52.3
141 14.7 11.3 16.9

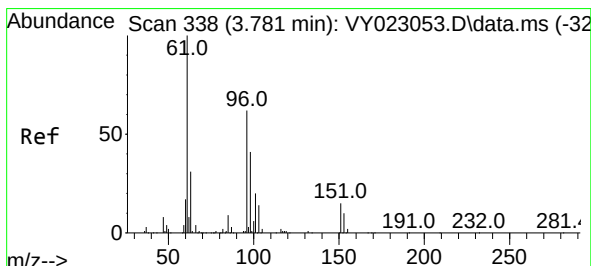
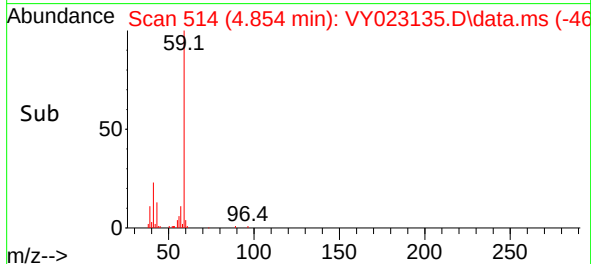
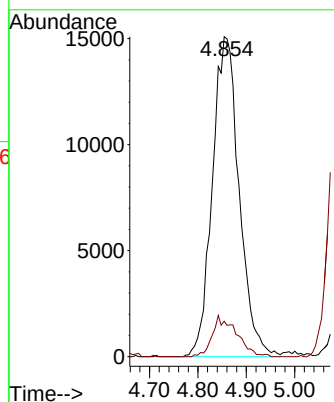
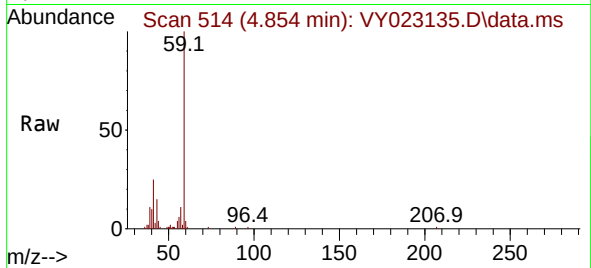




#11
Tert butyl alcohol
Concen: 206.701 ug/l
RT: 4.854 min Scan# 511
Delta R.T. -0.006 min
Lab File: VY023135.D
Acq: 15 Aug 2025 19:06

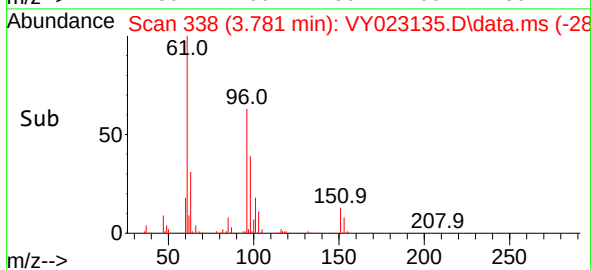
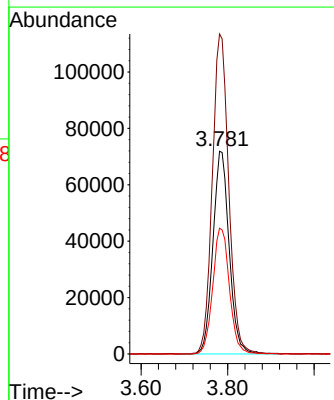
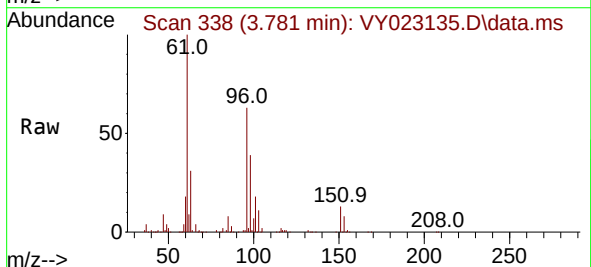
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

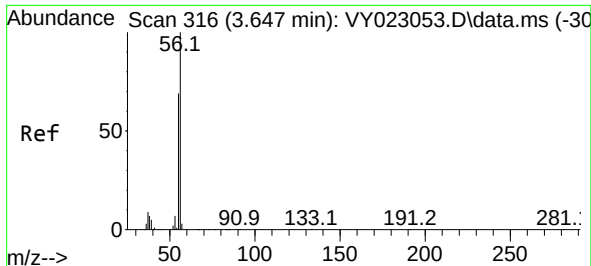
Tgt Ion: 59 Resp: 58084
Ion Ratio Lower Upper
59 100
57 11.6 8.6 13.0



#12
1,1-Dichloroethene
Concen: 45.207 ug/l
RT: 3.781 min Scan# 338
Delta R.T. 0.000 min
Lab File: VY023135.D
Acq: 15 Aug 2025 19:06

Tgt Ion: 96 Resp: 187457
Ion Ratio Lower Upper
96 100
61 157.9 129.4 194.2
98 62.0 52.8 79.2

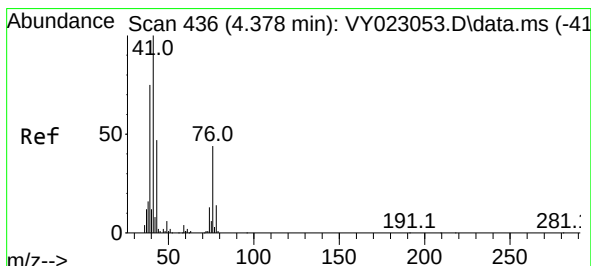
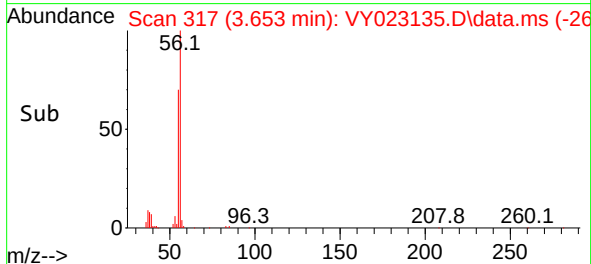
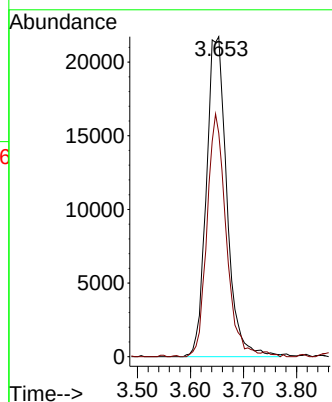
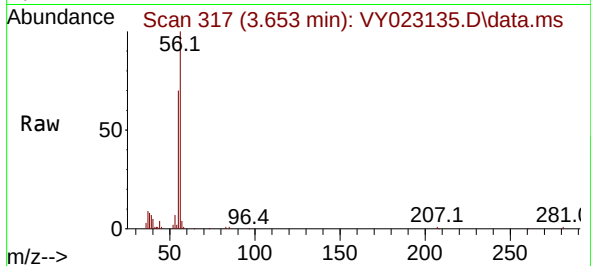




#13
Acrolein
Concen: 141.959 ug/l
RT: 3.653 min Scan# 316
Delta R.T. 0.006 min
Lab File: VY023135.D
Acq: 15 Aug 2025 19:06

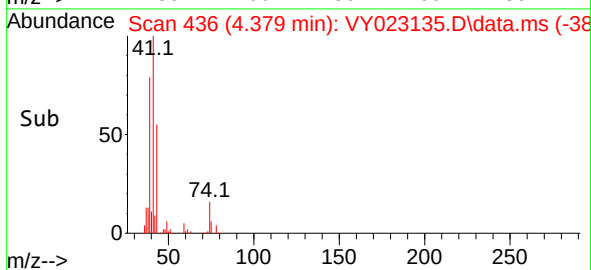
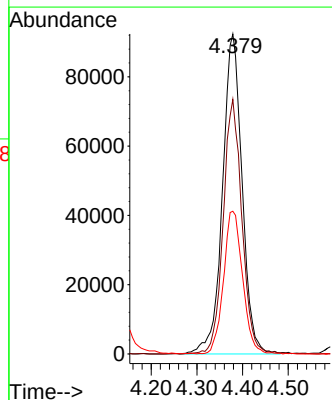
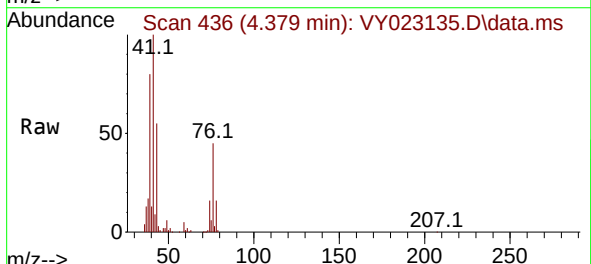
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

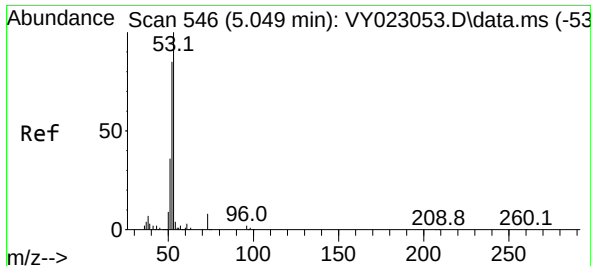
Tgt Ion: 56 Resp: 58421
Ion Ratio Lower Upper
56 100
55 70.6 55.2 82.8



#14
Allyl chloride
Concen: 45.054 ug/l
RT: 4.379 min Scan# 436
Delta R.T. 0.000 min
Lab File: VY023135.D
Acq: 15 Aug 2025 19:06

Tgt Ion: 41 Resp: 274900
Ion Ratio Lower Upper
41 100
39 76.1 59.8 89.6
76 43.5 33.7 50.5

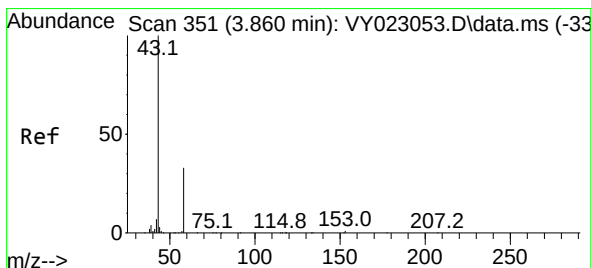
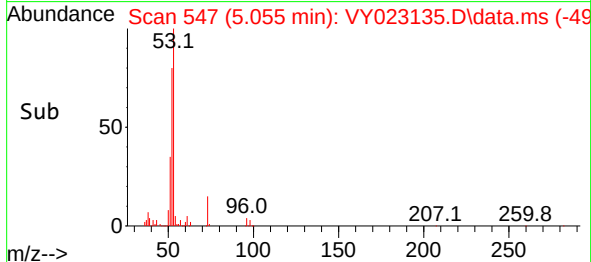
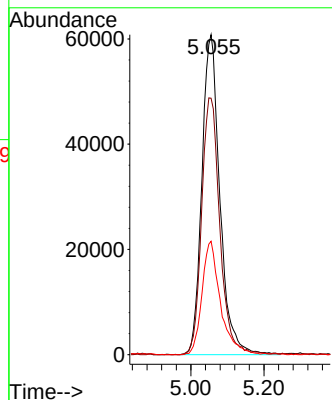
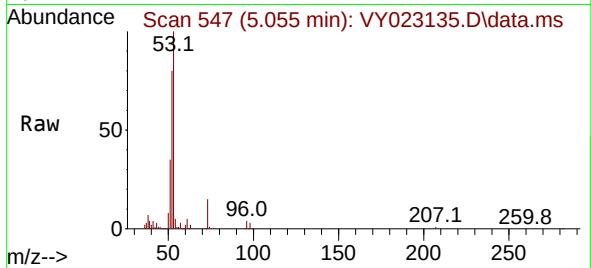




#15
Acrylonitrile
Concen: 226.140 ug/l
RT: 5.055 min Scan# 54
Delta R.T. 0.006 min
Lab File: VY023135.D
Acq: 15 Aug 2025 19:06

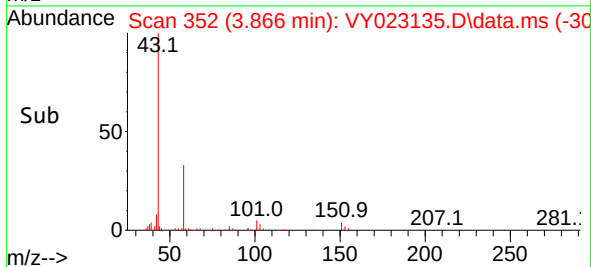
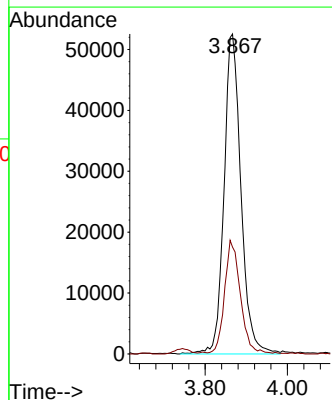
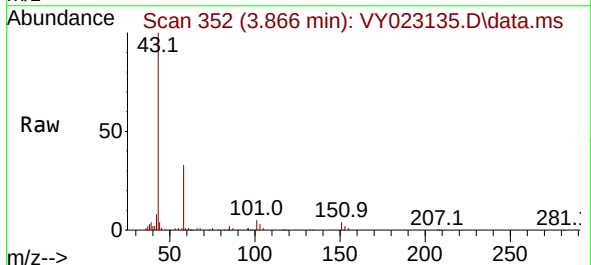
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

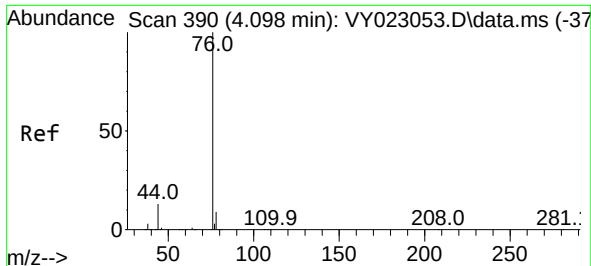
Tgt Ion: 53 Resp: 207991
Ion Ratio Lower Upper
53 100
52 80.7 65.3 97.9
51 36.3 29.5 44.3



#16
Acetone
Concen: 169.235 ug/l
RT: 3.866 min Scan# 352
Delta R.T. 0.006 min
Lab File: VY023135.D
Acq: 15 Aug 2025 19:06

Tgt Ion: 43 Resp: 150363
Ion Ratio Lower Upper
43 100
58 33.2 27.1 40.7

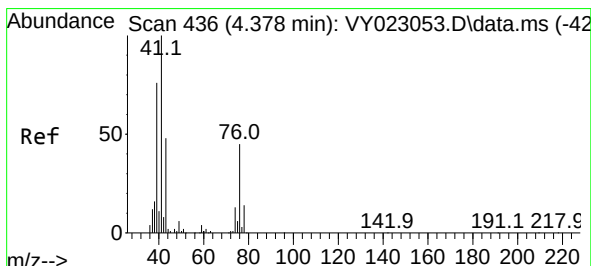
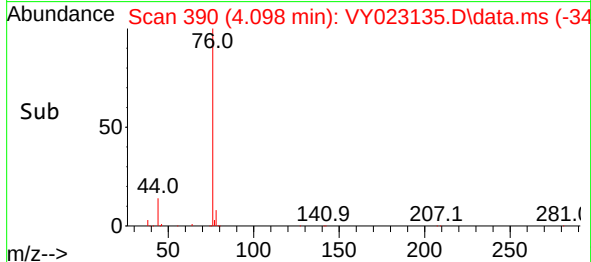
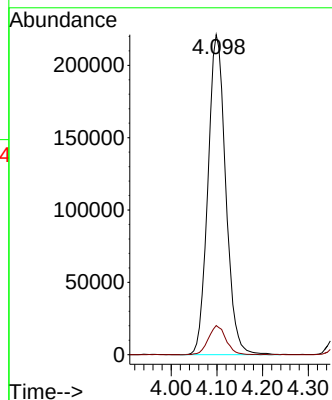
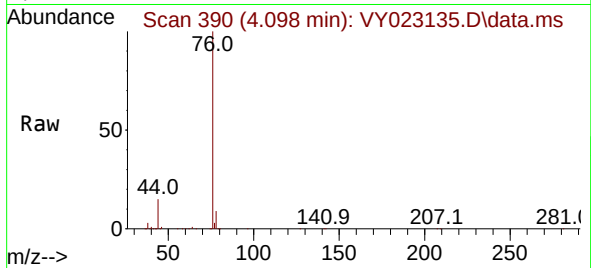




#17
Carbon Disulfide
Concen: 44.225 ug/l
RT: 4.098 min Scan# 390
Delta R.T. 0.000 min
Lab File: VY023135.D
Acq: 15 Aug 2025 19:06

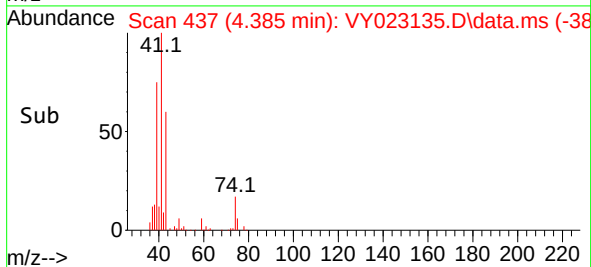
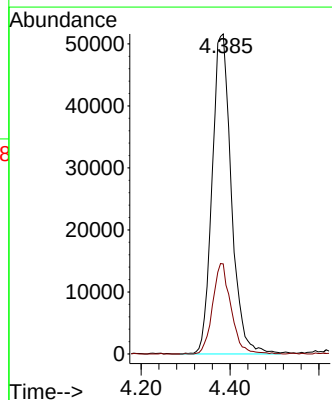
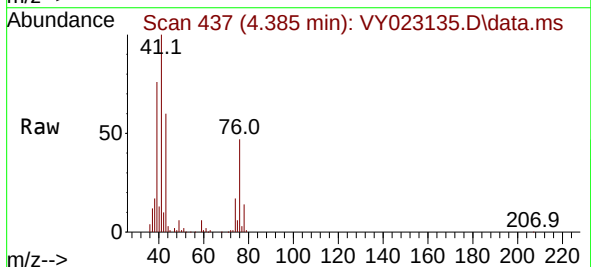
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

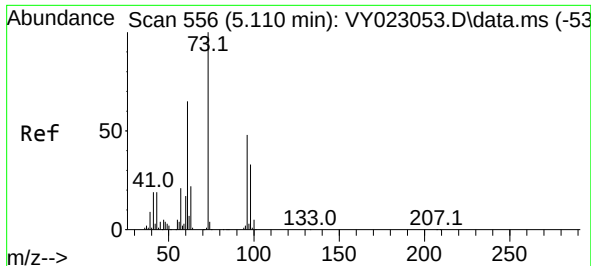
Tgt Ion: 76 Resp: 597944
Ion Ratio Lower Upper
76 100
78 9.1 7.4 11.2



#18
Methyl Acetate
Concen: 58.622 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.006 min
Lab File: VY023135.D
Acq: 15 Aug 2025 19:06

Tgt Ion: 43 Resp: 154996
Ion Ratio Lower Upper
43 100
74 27.0 21.2 31.8





#19

Methyl tert-butyl Ether

Concen: 46.367 ug/l

RT: 5.110 min Scan# 51

Delta R.T. 0.000 min

Lab File: VY023135.D

Acq: 15 Aug 2025 19:06

Instrument :

MSVOA_Y

ClientSampleId :

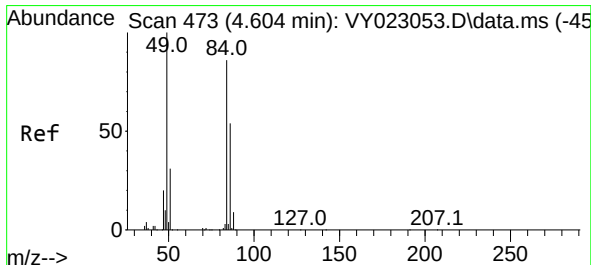
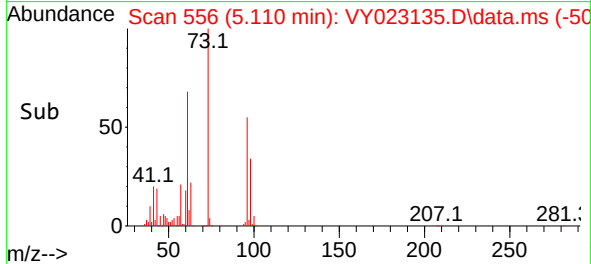
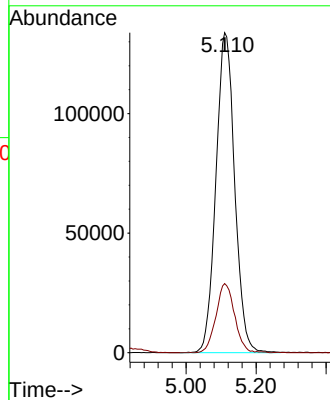
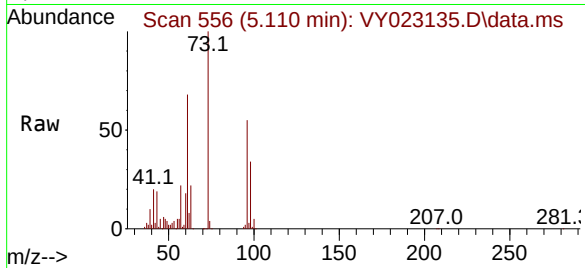
VSTDCCC050EC

Tgt Ion: 73 Resp: 498217

Ion Ratio Lower Upper

73 100

57 21.6 17.1 25.7



#20

Methylene Chloride

Concen: 47.835 ug/l

RT: 4.610 min Scan# 474

Delta R.T. 0.006 min

Lab File: VY023135.D

Acq: 15 Aug 2025 19:06

Tgt Ion: 84 Resp: 221392

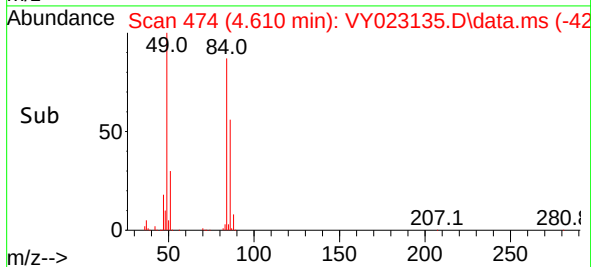
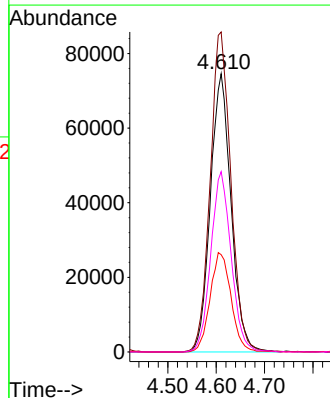
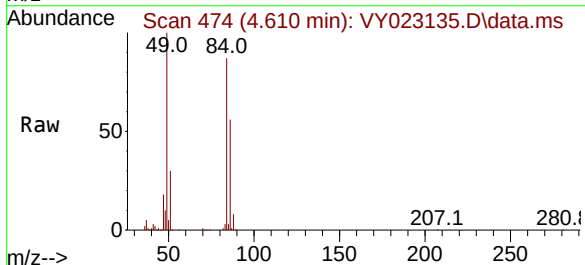
Ion Ratio Lower Upper

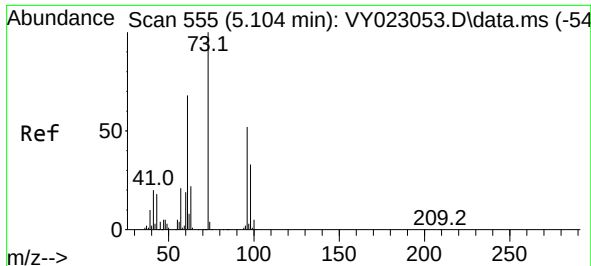
84 100

49 115.0 93.0 139.6

51 34.9 29.0 43.4

86 64.8 50.2 75.4

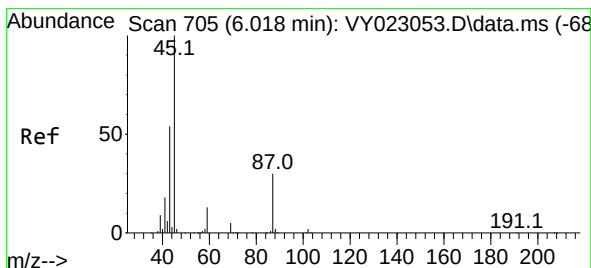
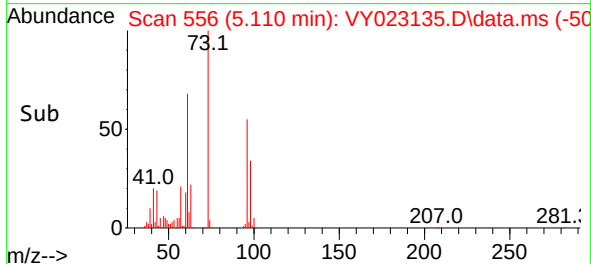
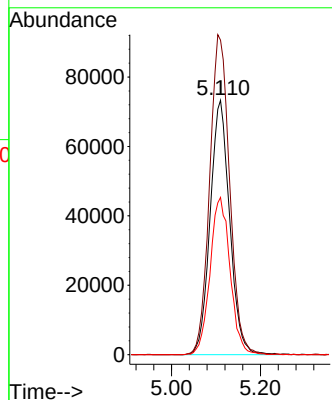
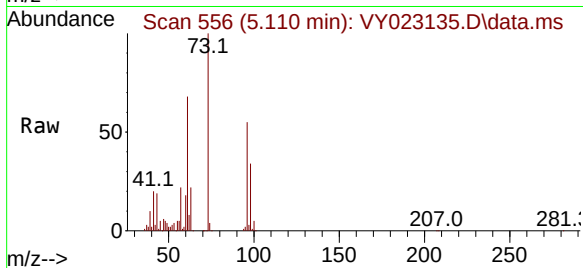




#21
trans-1,2-Dichloroethene
Concen: 47.978 ug/l
RT: 5.110 min Scan# 5110
Delta R.T. 0.006 min
Lab File: VY023135.D
Acq: 15 Aug 2025 19:06

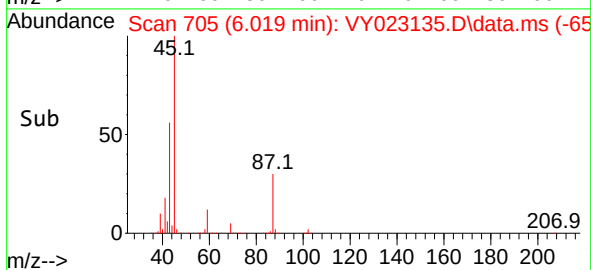
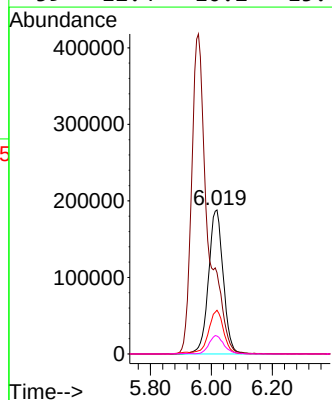
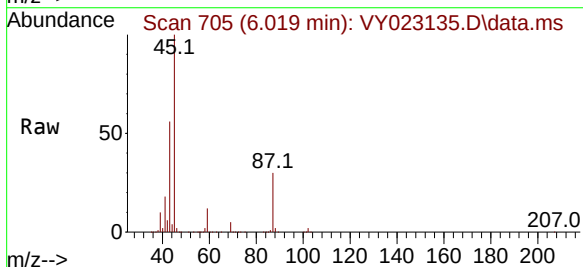
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

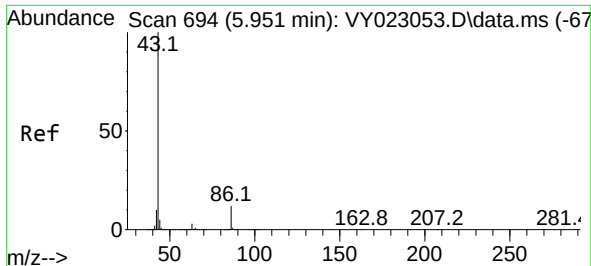
Tgt Ion: 96 Resp: 223573
Ion Ratio Lower Upper
96 100
61 123.6 104.8 157.2
98 61.8 50.1 75.1



#22
Diisopropyl ether
Concen: 47.734 ug/l
RT: 6.019 min Scan# 705
Delta R.T. 0.000 min
Lab File: VY023135.D
Acq: 15 Aug 2025 19:06

Tgt Ion: 45 Resp: 632885
Ion Ratio Lower Upper
45 100
43 56.3 43.4 65.0
87 30.3 24.4 36.6
59 12.4 10.2 15.4

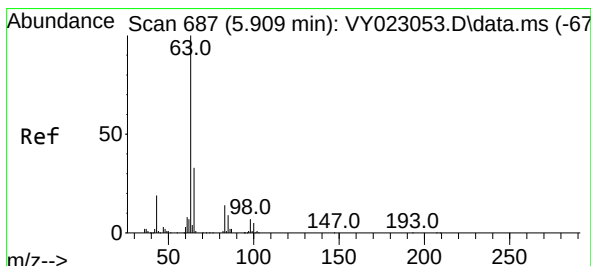
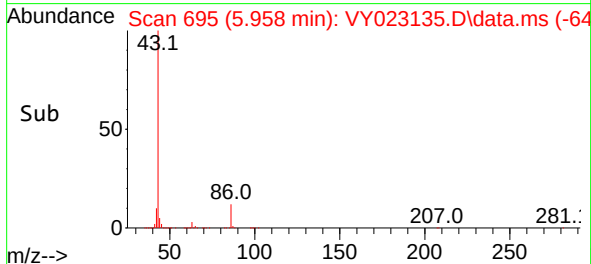
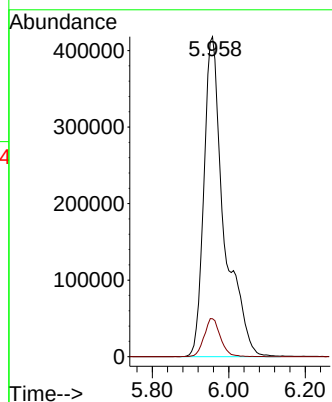
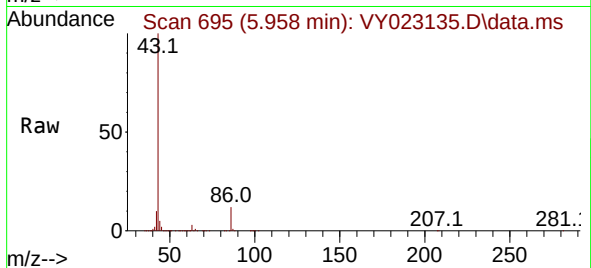




#23
Vinyl Acetate
Concen: 208.809 ug/l
RT: 5.958 min Scan# 694
Delta R.T. 0.006 min
Lab File: VY023135.D
Acq: 15 Aug 2025 19:06

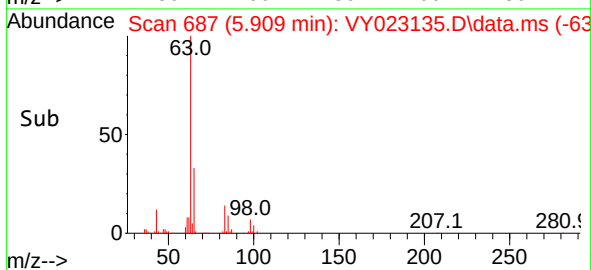
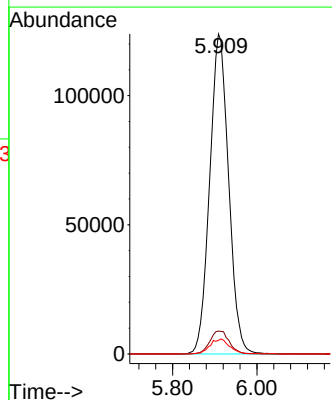
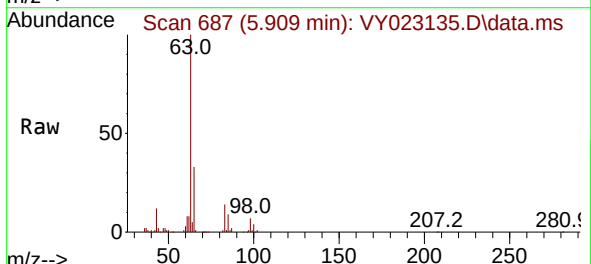
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

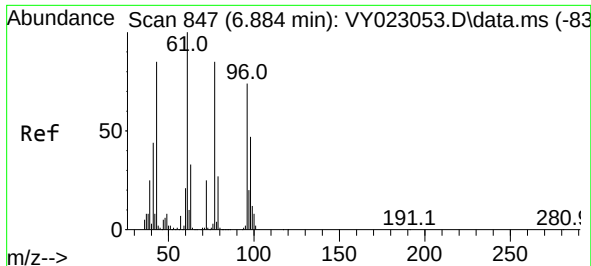
Tgt Ion: 43 Resp: 1530852
Ion Ratio Lower Upper
43 100
86 11.8 9.6 14.4



#24
1,1-Dichloroethane
Concen: 47.608 ug/l
RT: 5.909 min Scan# 687
Delta R.T. 0.000 min
Lab File: VY023135.D
Acq: 15 Aug 2025 19:06

Tgt Ion: 63 Resp: 385922
Ion Ratio Lower Upper
63 100
98 7.1 3.5 10.6
100 4.2 2.4 7.1

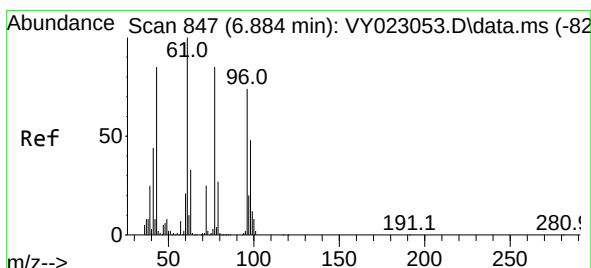
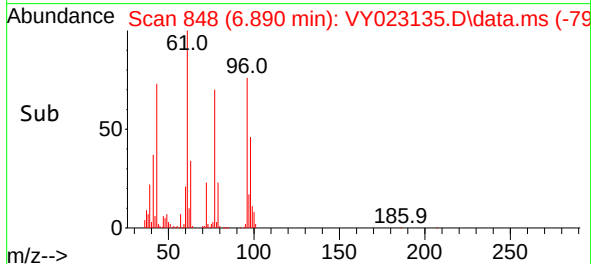
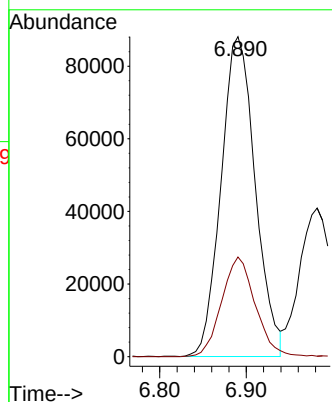
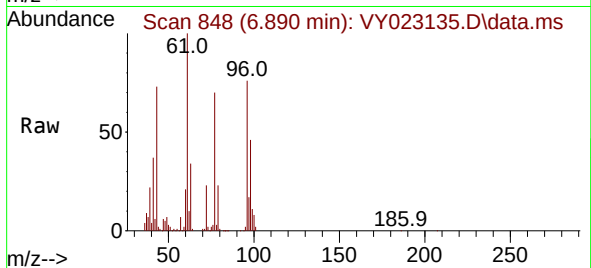




#25
2-Butanone
Concen: 200.293 ug/l
RT: 6.890 min Scan# 847
Delta R.T. 0.006 min
Lab File: VY023135.D
Acq: 15 Aug 2025 19:06

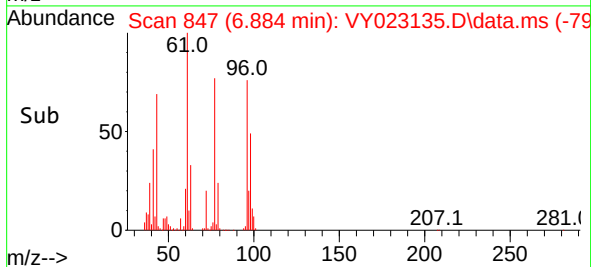
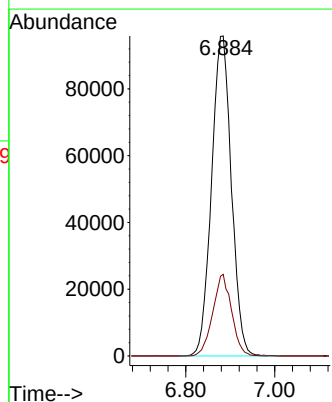
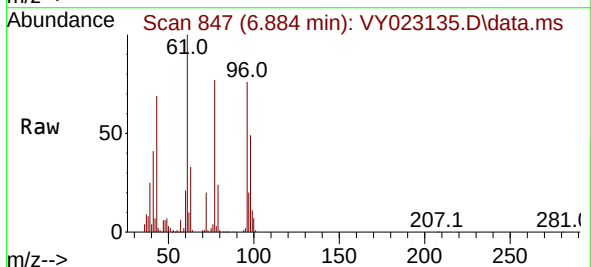
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

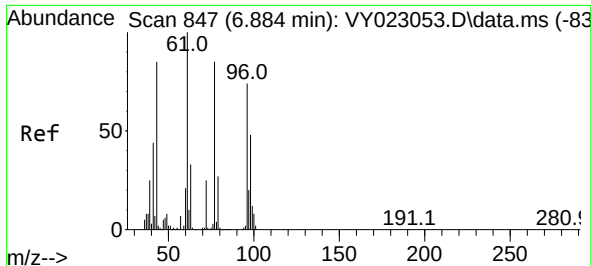
Tgt Ion: 43 Resp: 242030
Ion Ratio Lower Upper
43 100
72 31.2 23.5 35.3



#26
2,2-Dichloropropane
Concen: 42.412 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY023135.D
Acq: 15 Aug 2025 19:06

Tgt Ion: 77 Resp: 296658
Ion Ratio Lower Upper
77 100
97 24.2 11.6 34.8

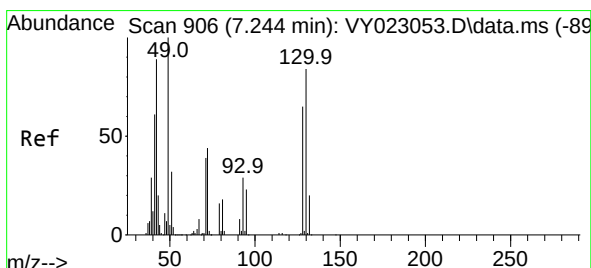
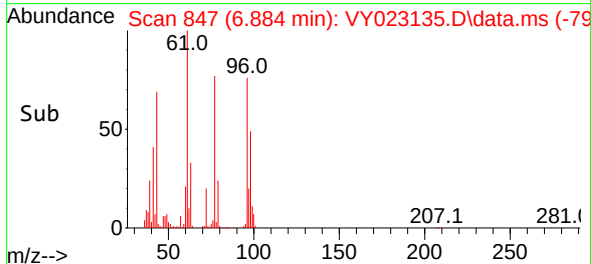
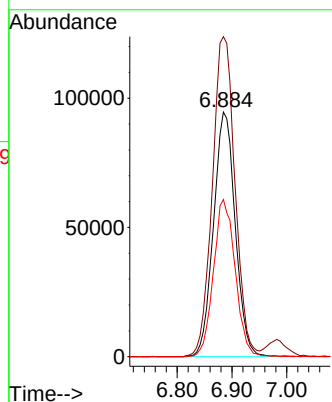
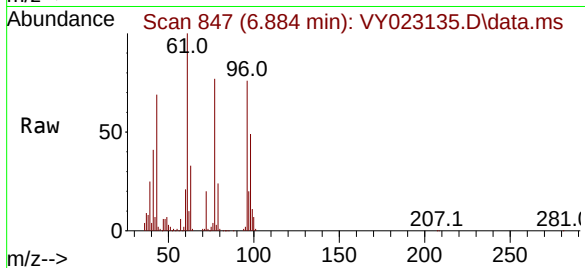




#27
 cis-1,2-Dichloroethene
 Concen: 48.425 ug/l
 RT: 6.884 min Scan# 847
 Delta R.T. 0.000 min
 Lab File: VY023135.D
 Acq: 15 Aug 2025 19:06

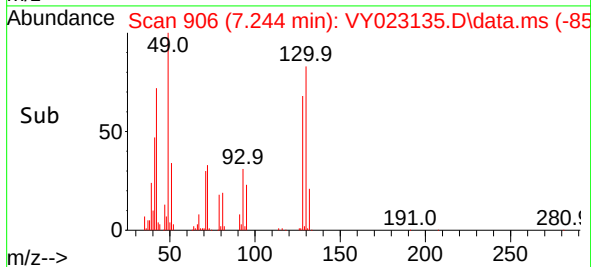
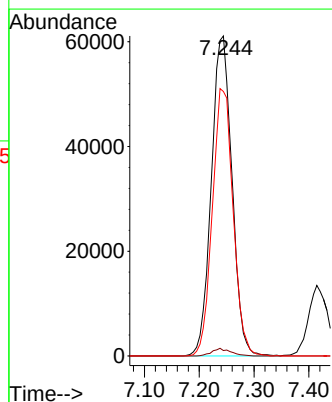
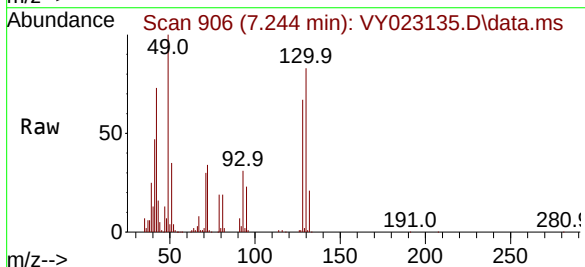
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

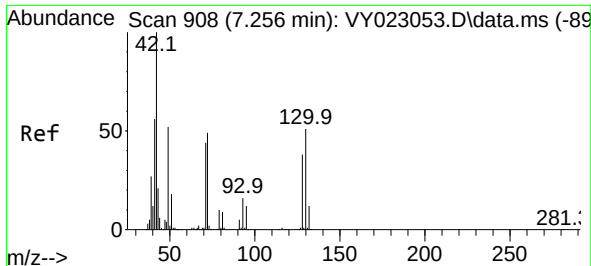
Tgt Ion:	96	Resp:	260875
Ion	Ratio	Lower	Upper
96	100		
61	136.3	0.0	278.6
98	64.0	0.0	130.4



#28
 Bromochloromethane
 Concen: 49.690 ug/l
 RT: 7.244 min Scan# 906
 Delta R.T. 0.000 min
 Lab File: VY023135.D
 Acq: 15 Aug 2025 19:06

Tgt Ion:	49	Resp:	159803
Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.2
130	83.9	66.4	99.6





#29

Tetrahydrofuran

Concen: 220.064 ug/l

RT: 7.262 min Scan# 908

Delta R.T. 0.006 min

Lab File: VY023135.D

Acq: 15 Aug 2025 19:06

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

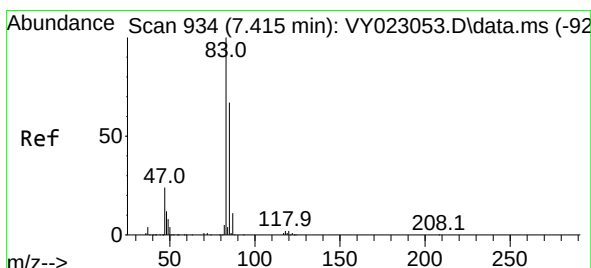
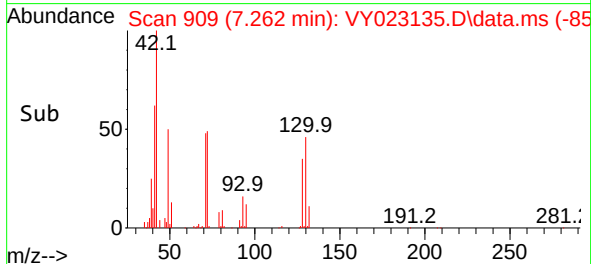
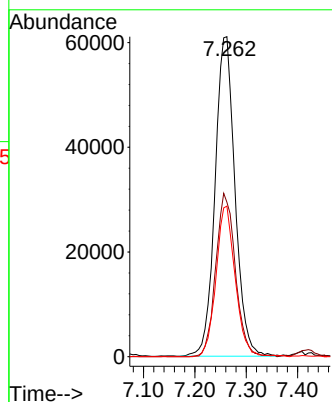
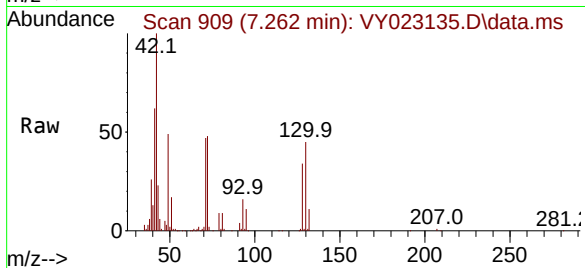
Tgt Ion: 42 Resp: 164833

Ion Ratio Lower Upper

42 100

72 50.4 39.4 59.2

71 45.2 36.5 54.7



#30

Chloroform

Concen: 48.951 ug/l

RT: 7.421 min Scan# 935

Delta R.T. 0.006 min

Lab File: VY023135.D

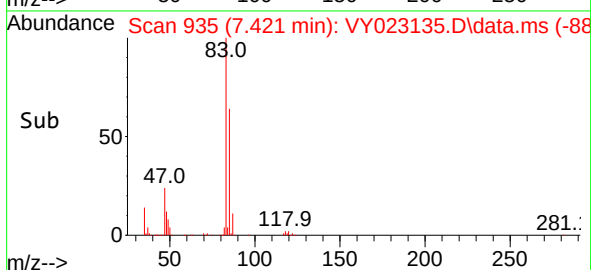
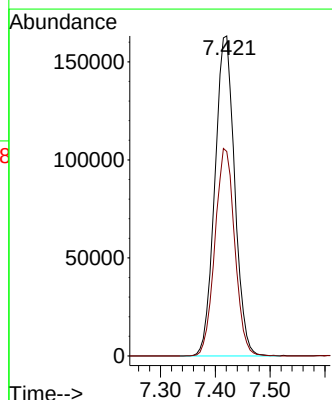
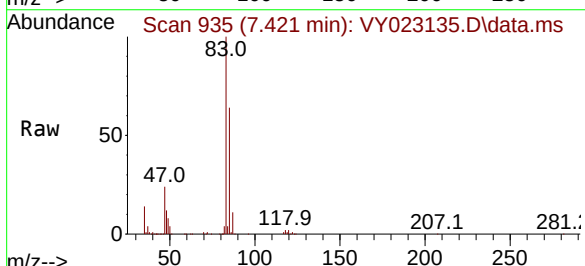
Acq: 15 Aug 2025 19:06

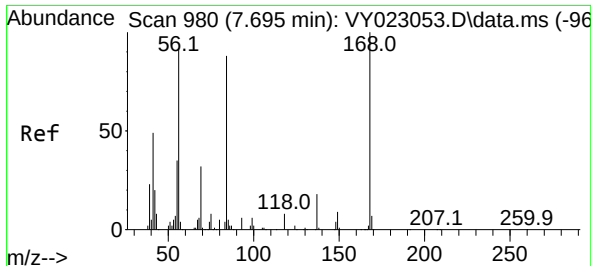
Tgt Ion: 83 Resp: 409239

Ion Ratio Lower Upper

83 100

85 63.9 53.8 80.8

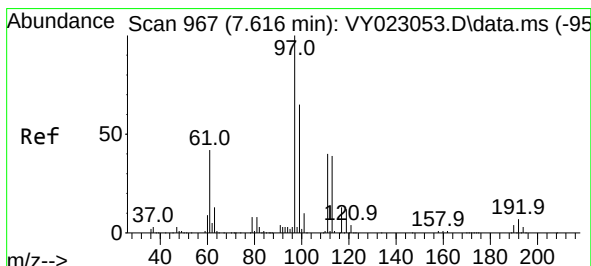
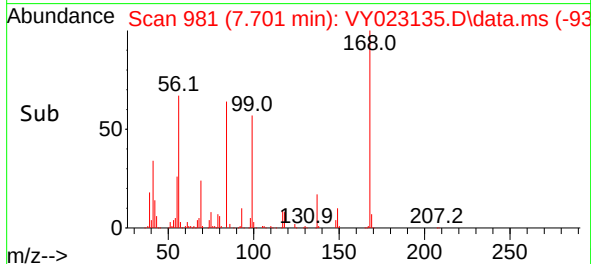
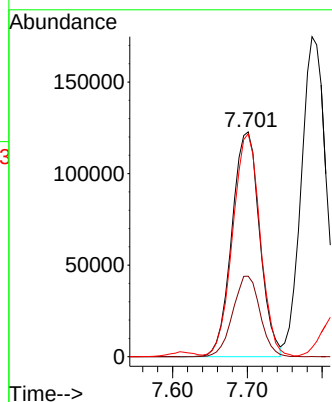
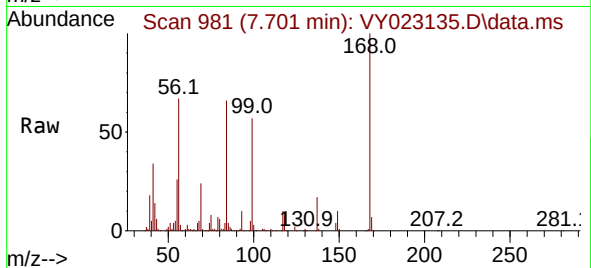




#31
Cyclohexane
Concen: 41.505 ug/l
RT: 7.701 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY023135.D
Acq: 15 Aug 2025 19:06

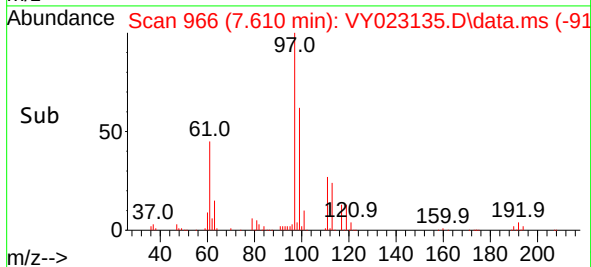
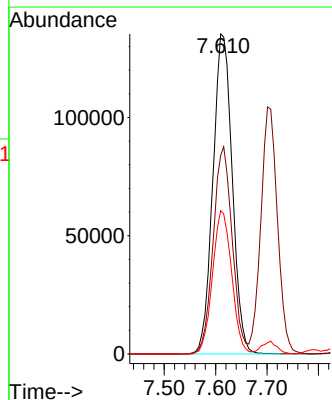
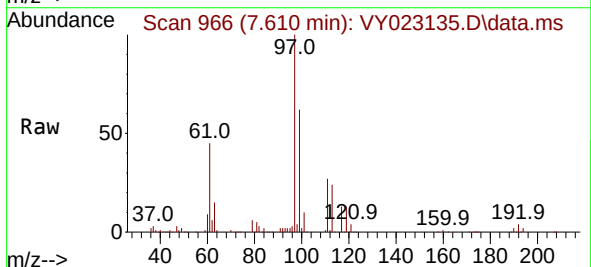
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

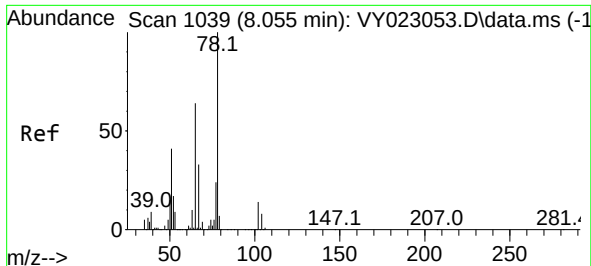
Tgt Ion: 56 Resp: 317051
Ion Ratio Lower Upper
56 100
69 35.8 28.2 42.2
84 96.9 76.6 114.8



#32
1,1,1-Trichloroethane
Concen: 47.657 ug/l
RT: 7.610 min Scan# 966
Delta R.T. -0.006 min
Lab File: VY023135.D
Acq: 15 Aug 2025 19:06

Tgt Ion: 97 Resp: 353516
Ion Ratio Lower Upper
97 100
99 63.9 51.6 77.4
61 44.4 34.2 51.2





#33

1,2-Dichloroethane-d4

Concen: 51.127 ug/l

RT: 8.061 min Scan# 110

Delta R.T. 0.006 min

Lab File: VY023135.D

Acq: 15 Aug 2025 19:06

Instrument :

MSVOA_Y

ClientSampleId :

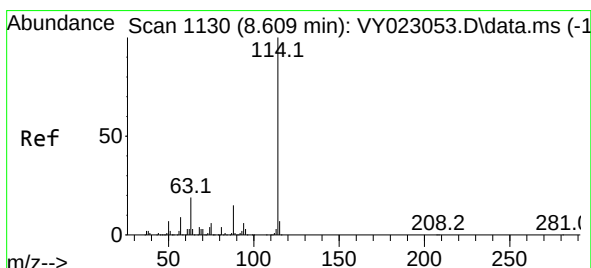
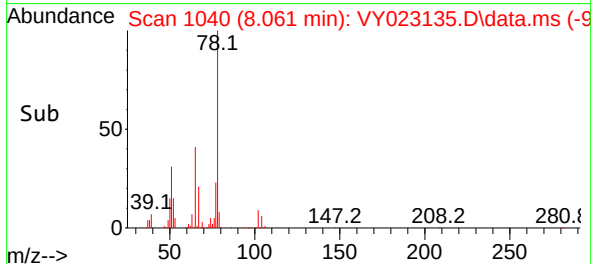
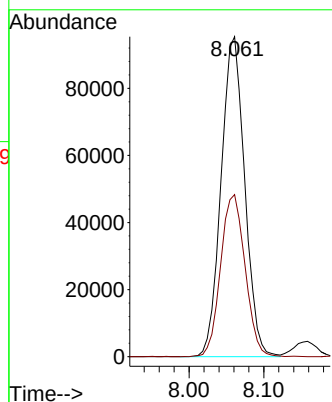
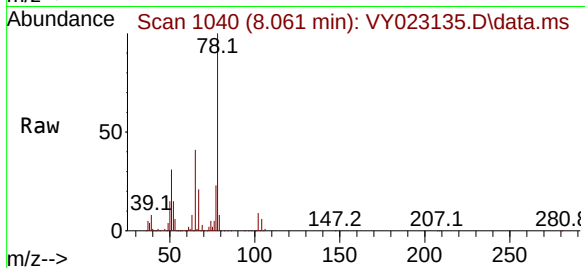
VSTDCCC050EC

Tgt Ion: 65 Resp: 209678

Ion Ratio Lower Upper

65 100

67 52.5 0.0 106.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.610 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VY023135.D

Acq: 15 Aug 2025 19:06

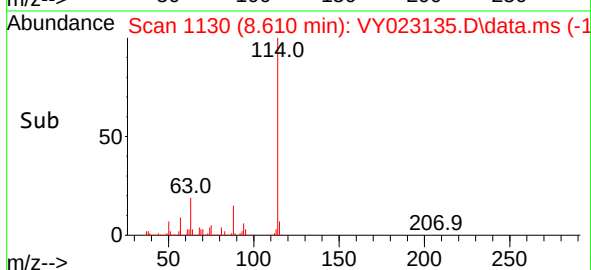
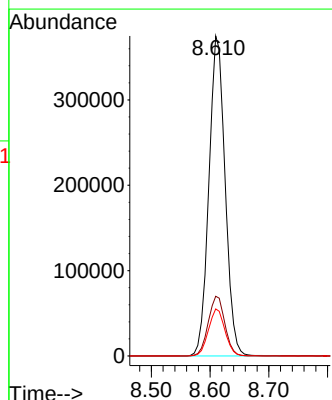
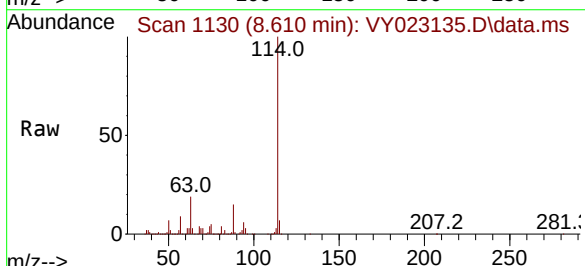
Tgt Ion: 114 Resp: 718703

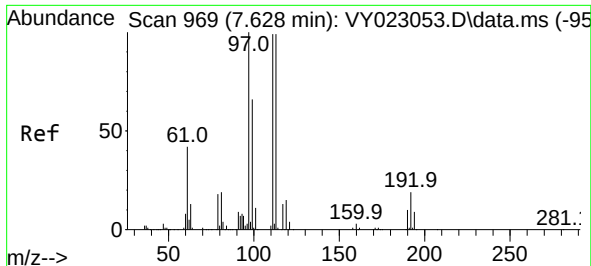
Ion Ratio Lower Upper

114 100

63 18.7 0.0 38.4

88 14.7 0.0 30.0

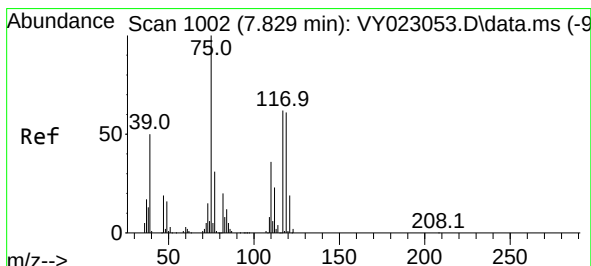
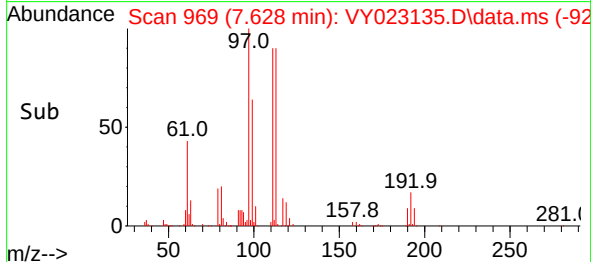
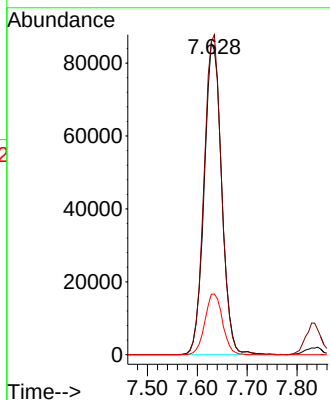
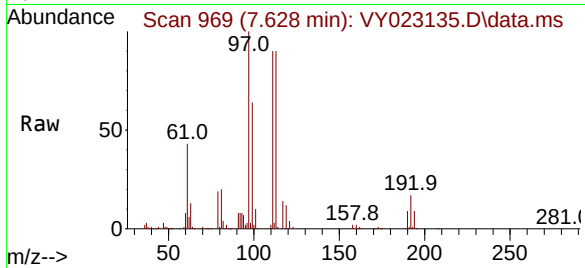




#35
Dibromofluoromethane
Concen: 48.501 ug/l
RT: 7.628 min Scan# 969
Delta R.T. 0.000 min
Lab File: VY023135.D
Acq: 15 Aug 2025 19:06

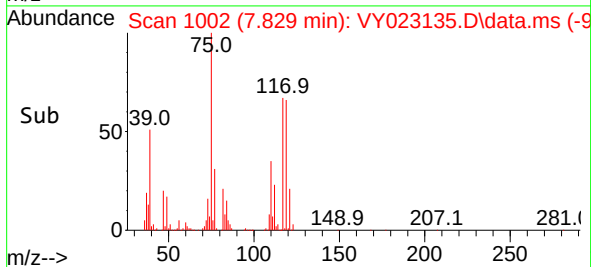
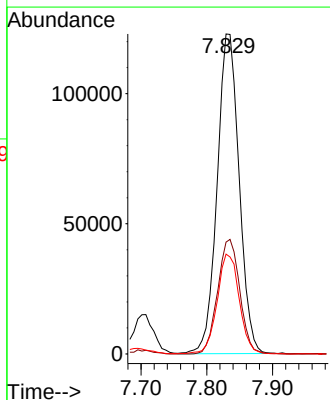
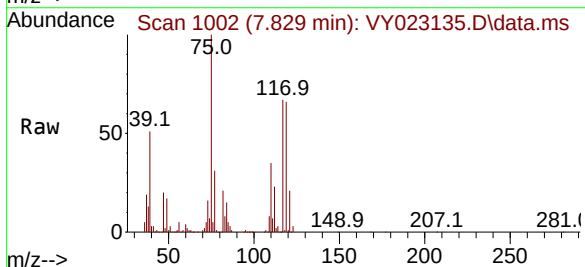
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

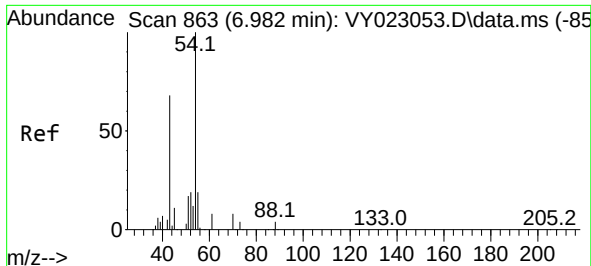
Tgt Ion:113 Resp: 208578
Ion Ratio Lower Upper
113 100
111 102.2 81.1 121.7
192 19.6 16.2 24.4



#36
1,1-Dichloropropene
Concen: 44.762 ug/l
RT: 7.829 min Scan# 1002
Delta R.T. 0.000 min
Lab File: VY023135.D
Acq: 15 Aug 2025 19:06

Tgt Ion: 75 Resp: 286083
Ion Ratio Lower Upper
75 100
110 36.0 18.1 54.4
77 31.5 24.6 37.0

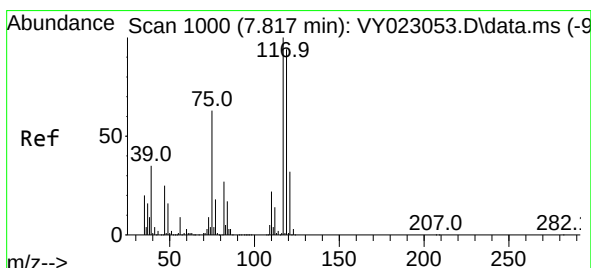
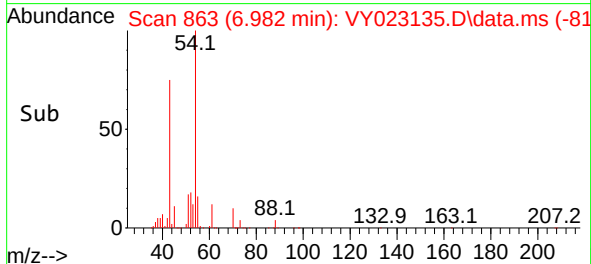
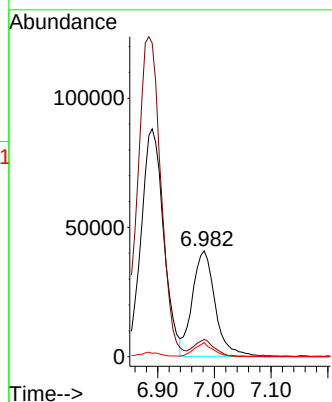
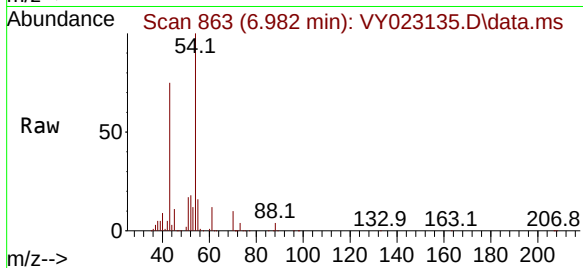




#37
Ethyl Acetate
Concen: 42.450 ug/l
RT: 6.982 min Scan# 80
Delta R.T. 0.000 min
Lab File: VY023135.D
Acq: 15 Aug 2025 19:06

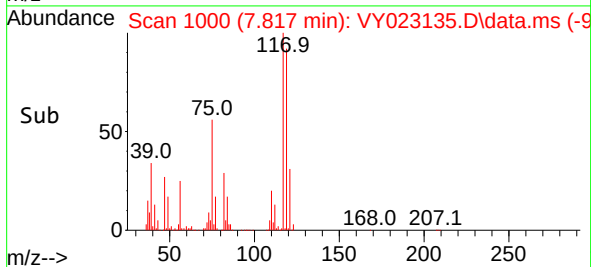
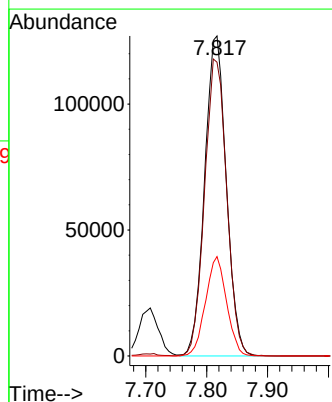
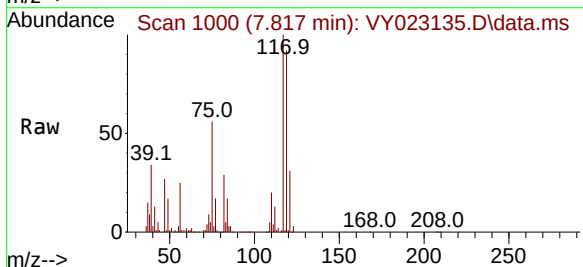
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

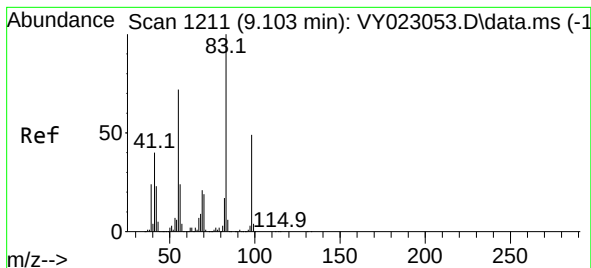
Tgt Ion: 43 Resp: 113967
Ion Ratio Lower Upper
43 100
61 14.0 11.9 17.9
70 11.1 8.8 13.2



#38
Carbon Tetrachloride
Concen: 45.177 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. 0.000 min
Lab File: VY023135.D
Acq: 15 Aug 2025 19:06

Tgt Ion: 117 Resp: 313598
Ion Ratio Lower Upper
117 100
119 91.8 75.6 113.4
121 31.1 25.8 38.8

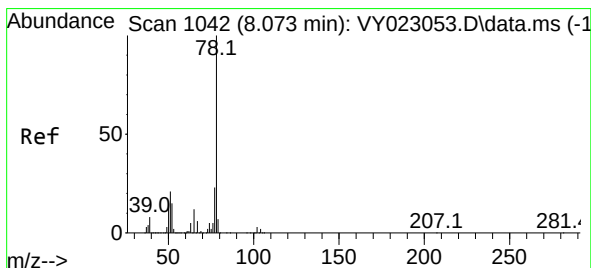
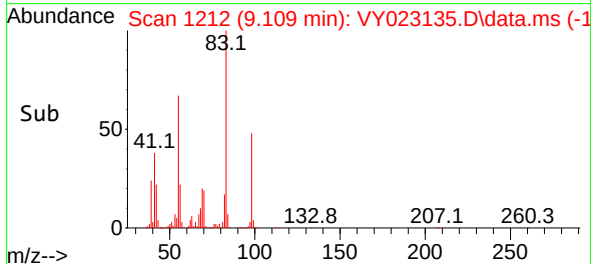
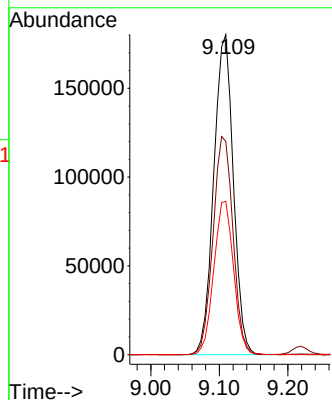
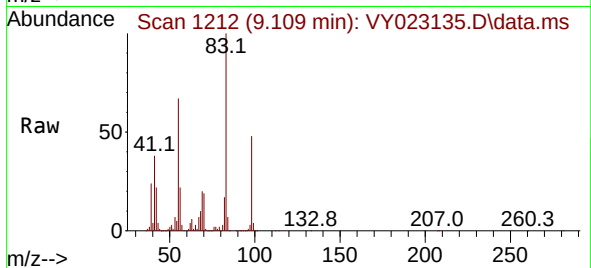




#39
Methylcyclohexane
Concen: 42.522 ug/l
RT: 9.109 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023135.D
Acq: 15 Aug 2025 19:06

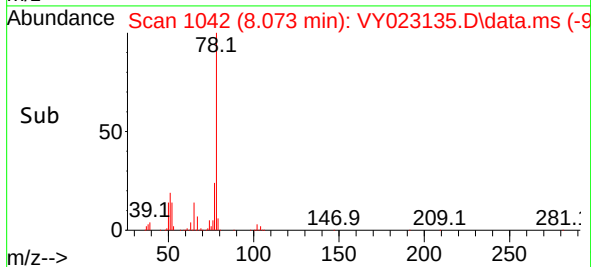
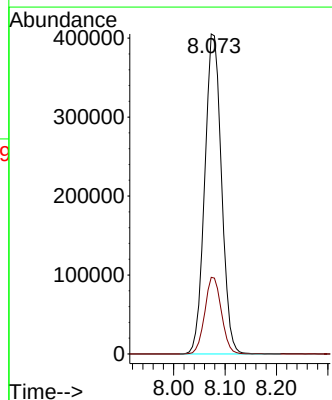
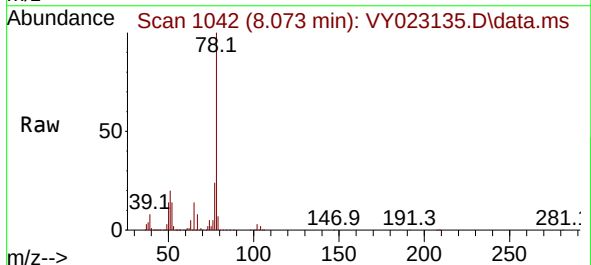
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

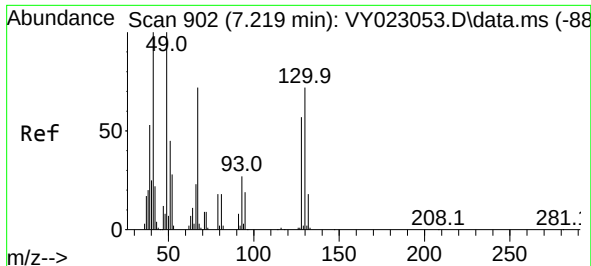
Tgt Ion: 83 Resp: 357877
Ion Ratio Lower Upper
83 100
55 66.6 57.6 86.4
98 47.9 39.2 58.8



#40
Benzene
Concen: 46.514 ug/l
RT: 8.073 min Scan# 1042
Delta R.T. 0.000 min
Lab File: VY023135.D
Acq: 15 Aug 2025 19:06

Tgt Ion: 78 Resp: 916243
Ion Ratio Lower Upper
78 100
77 23.9 18.6 28.0

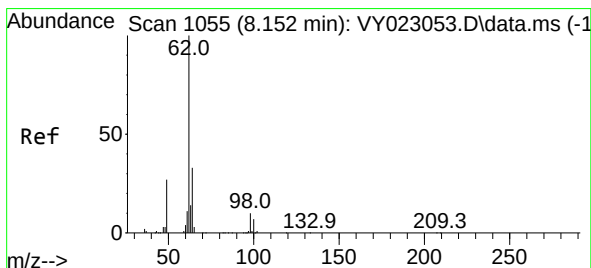
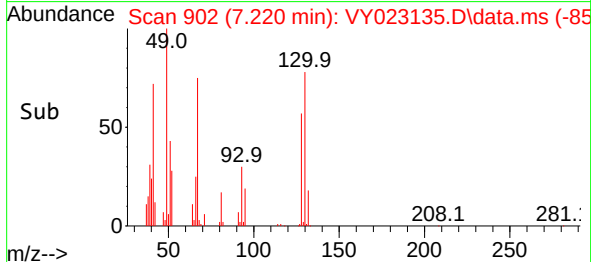
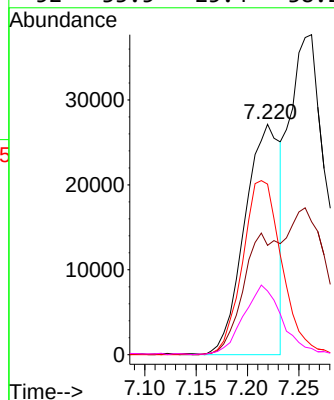
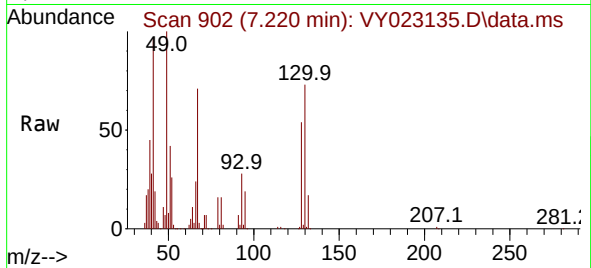




#41
Methacrylonitrile
Concen: 41.916 ug/l
RT: 7.220 min Scan# 902
Delta R.T. 0.000 min
Lab File: VY023135.D
Acq: 15 Aug 2025 19:06

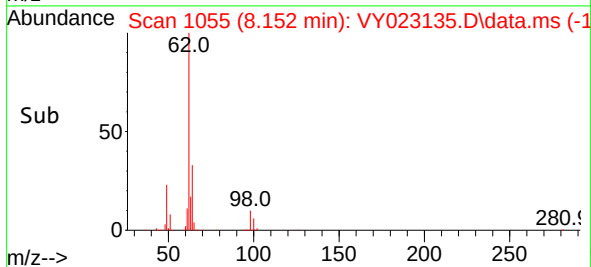
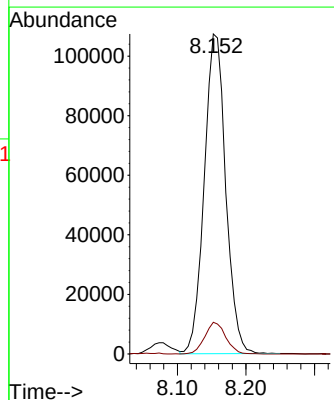
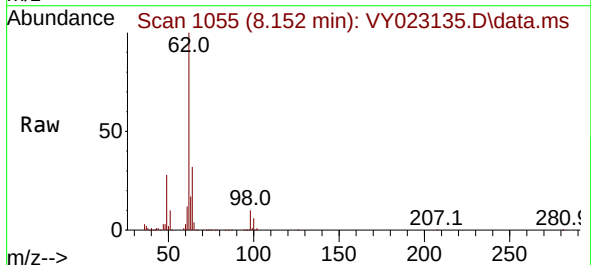
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

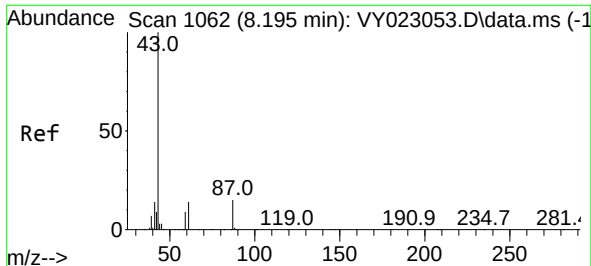
Tgt Ion:	41	Resp:	64946
Ion Ratio	Lower	Upper	
41	100		
39	53.5	43.4	65.2
67	84.4	63.6	95.4
52	33.5	25.4	38.2



#42
1,2-Dichloroethane
Concen: 45.709 ug/l
RT: 8.152 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VY023135.D
Acq: 15 Aug 2025 19:06

Tgt Ion:	62	Resp:	234175
Ion Ratio	Lower	Upper	
62	100		
98	9.7	0.0	20.6

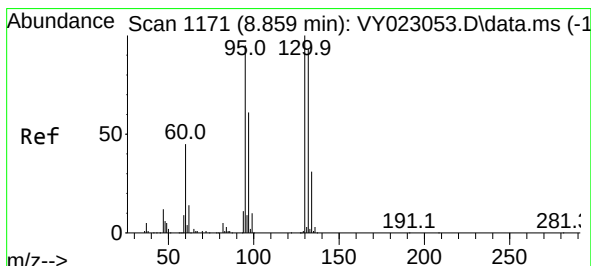
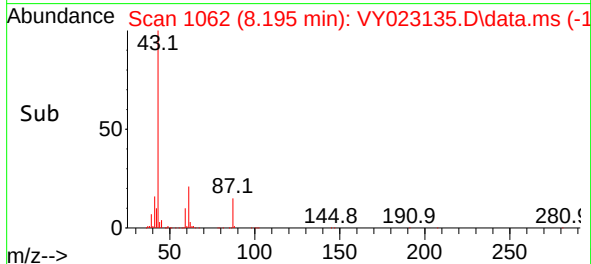
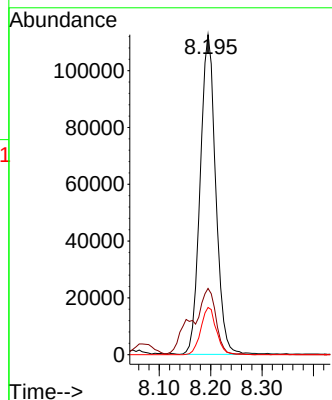
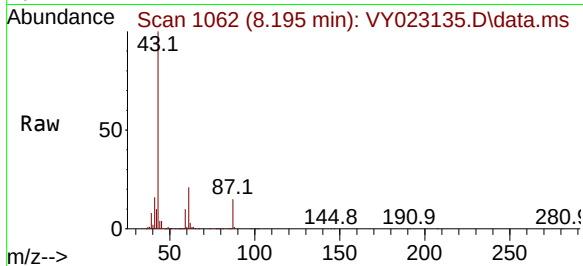




#43
Isopropyl Acetate
Concen: 43.470 ug/l
RT: 8.195 min Scan# 1062
Delta R.T. 0.000 min
Lab File: VY023135.D
Acq: 15 Aug 2025 19:06

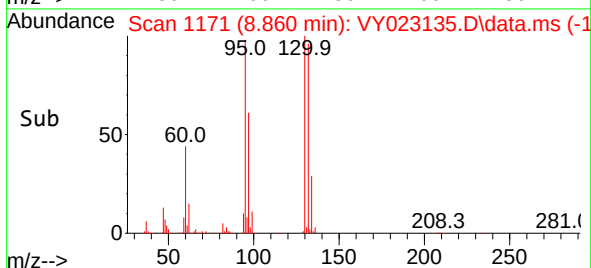
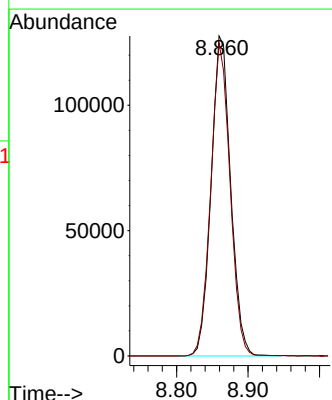
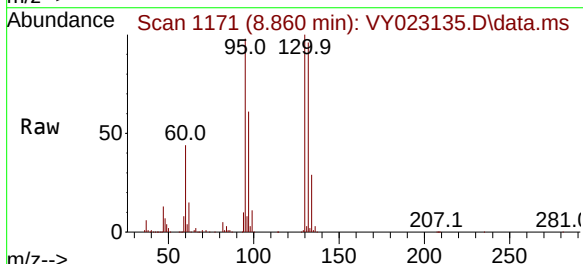
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

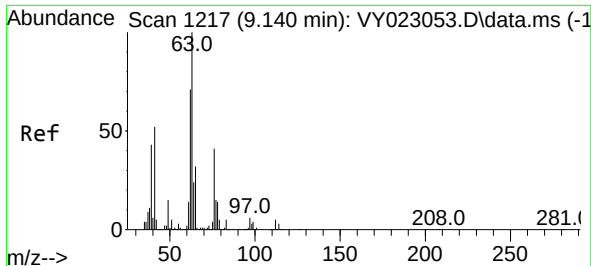
Tgt Ion: 43 Resp: 235882
Ion Ratio Lower Upper
43 100
61 20.8 16.4 24.6
87 14.8 11.8 17.6



#44
Trichloroethene
Concen: 47.535 ug/l
RT: 8.860 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VY023135.D
Acq: 15 Aug 2025 19:06

Tgt Ion: 130 Resp: 241977
Ion Ratio Lower Upper
130 100
95 97.8 0.0 190.2





#45

1,2-Dichloropropane

Concen: 46.657 ug/l

RT: 9.140 min Scan# 1217

Delta R.T. 0.000 min

Lab File: VY023135.D

Acq: 15 Aug 2025 19:06

Instrument :

MSVOA_Y

ClientSampleId :

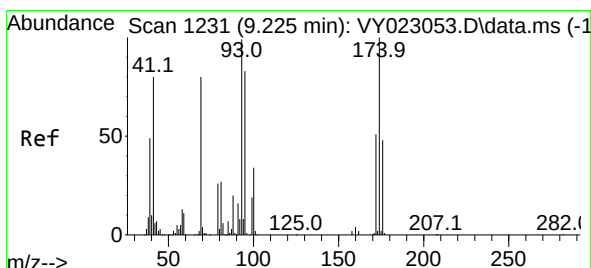
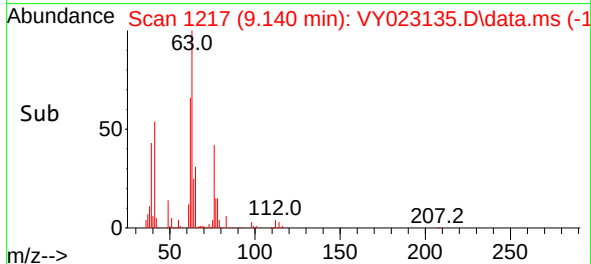
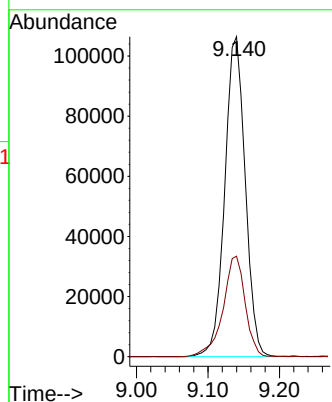
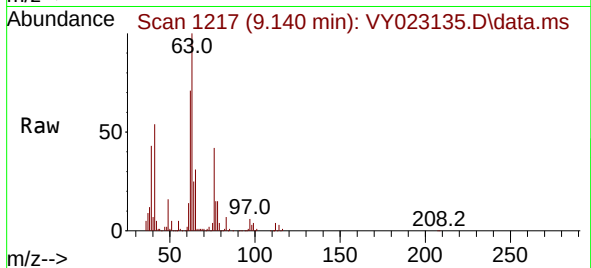
VSTDCCC050EC

Tgt Ion: 63 Resp: 211470

Ion Ratio Lower Upper

63 100

65 31.4 25.3 37.9



#46

Dibromomethane

Concen: 45.999 ug/l

RT: 9.225 min Scan# 1231

Delta R.T. 0.000 min

Lab File: VY023135.D

Acq: 15 Aug 2025 19:06

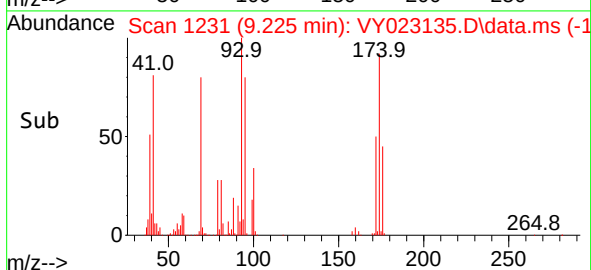
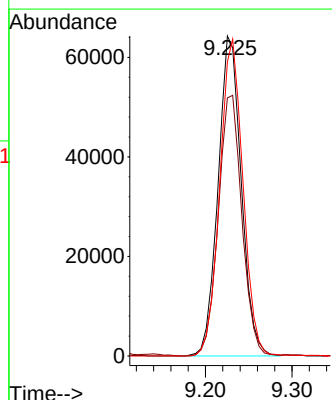
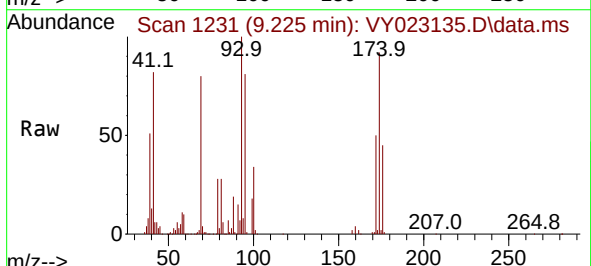
Tgt Ion: 93 Resp: 119663

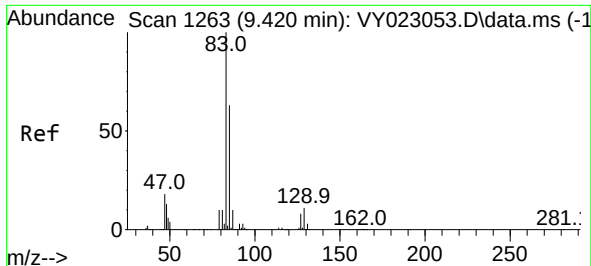
Ion Ratio Lower Upper

93 100

95 82.7 66.5 99.7

174 99.1 81.8 122.8

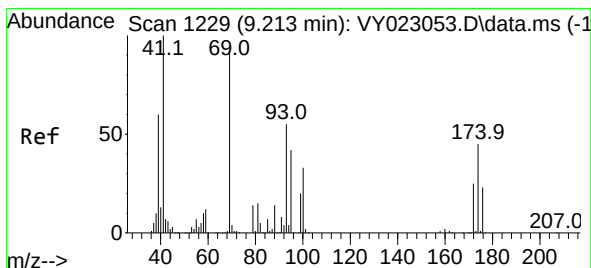
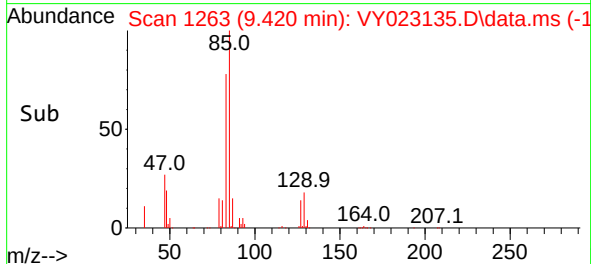
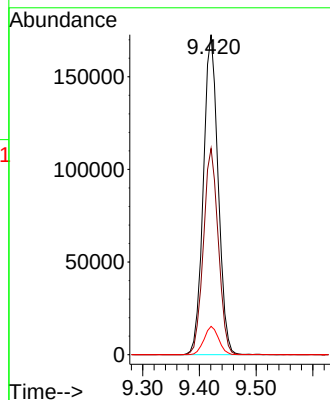
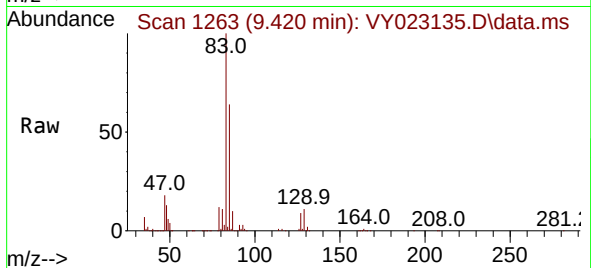




#47
Bromodichloromethane
Concen: 46.439 ug/l
RT: 9.420 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY023135.D
Acq: 15 Aug 2025 19:06

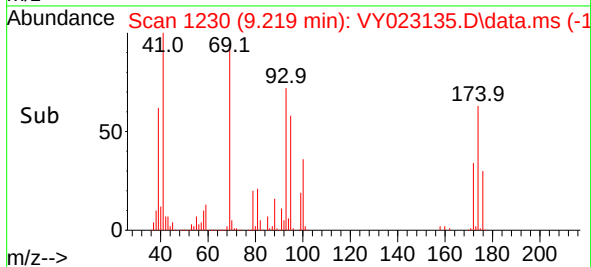
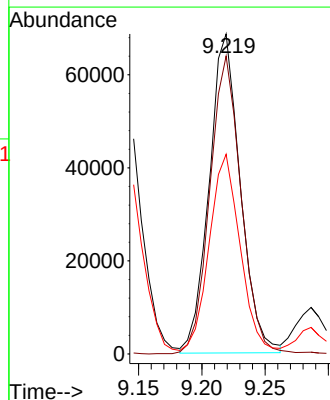
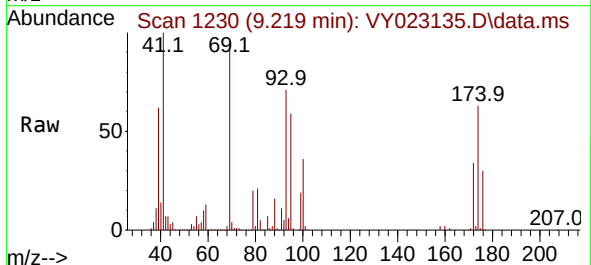
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

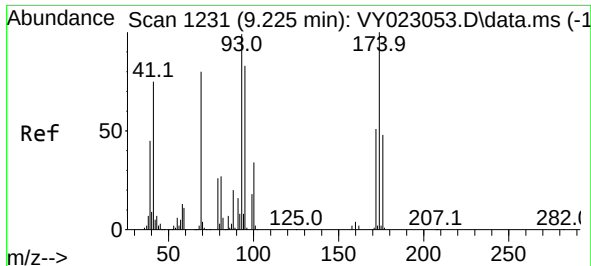
Tgt Ion: 83 Resp: 310859
Ion Ratio Lower Upper
83 100
85 64.5 50.2 75.4
127 8.9 6.6 10.0



#48
Methyl methacrylate
Concen: 45.295 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.006 min
Lab File: VY023135.D
Acq: 15 Aug 2025 19:06

Tgt Ion: 41 Resp: 117614
Ion Ratio Lower Upper
41 100
69 93.9 73.2 109.8
39 60.4 47.0 70.4





#49

1,4-Dioxane

Concen: 902.014 ug/l

RT: 9.225 min Scan# 1231

Delta R.T. 0.000 min

Lab File: VY023135.D

Acq: 15 Aug 2025 19:06

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

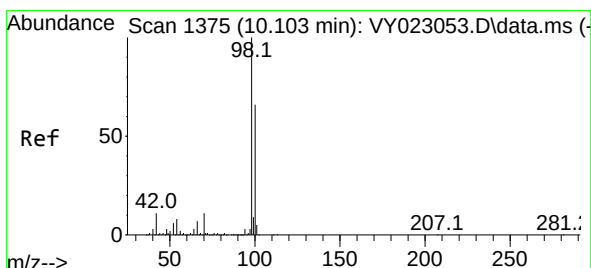
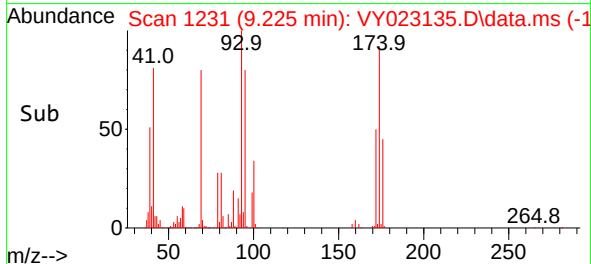
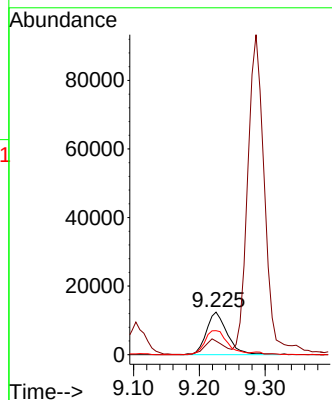
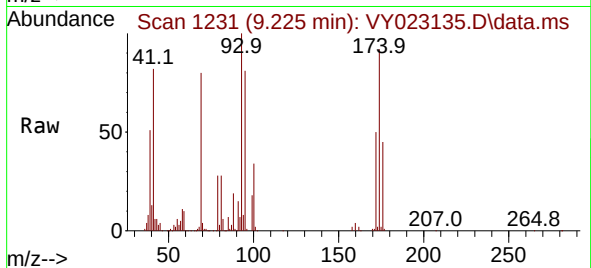
Tgt Ion: 88 Resp: 27514

Ion Ratio Lower Upper

88 100

43 32.9 24.3 36.5

58 61.0 55.4 83.0



#50

Toluene-d8

Concen: 49.738 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. 0.000 min

Lab File: VY023135.D

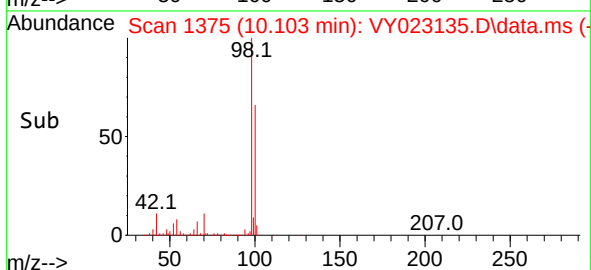
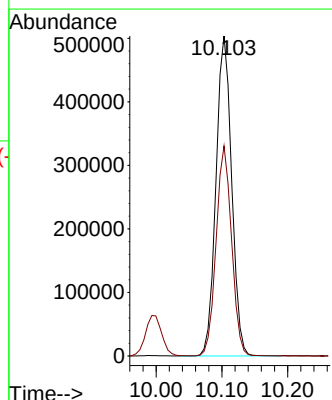
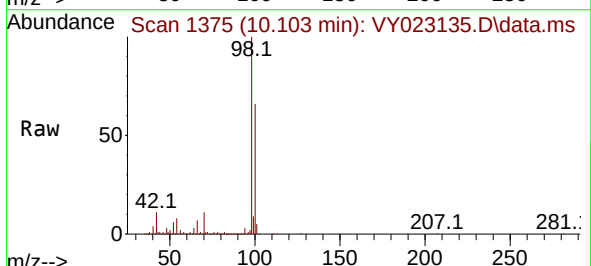
Acq: 15 Aug 2025 19:06

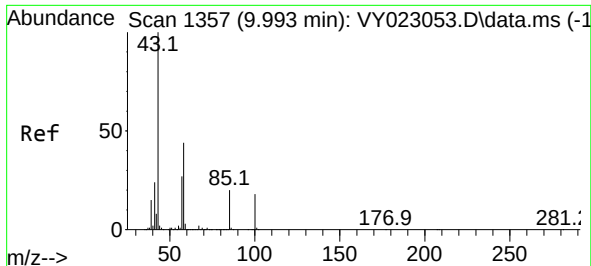
Tgt Ion: 98 Resp: 835617

Ion Ratio Lower Upper

98 100

100 64.7 52.3 78.5





#51

4-Methyl-2-Pentanone

Concen: 219.870 ug/l

RT: 9.993 min Scan# 1357

Delta R.T. 0.000 min

Lab File: VY023135.D

Acq: 15 Aug 2025 19:06

Instrument :

MSVOA_Y

ClientSampleId :

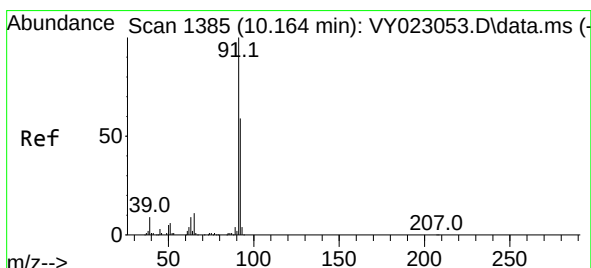
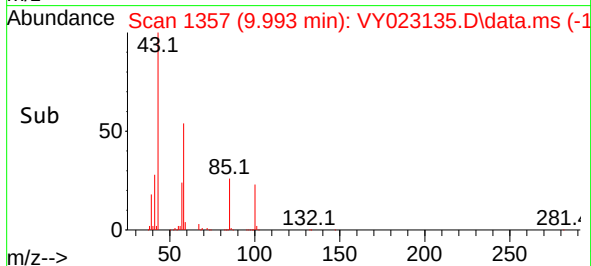
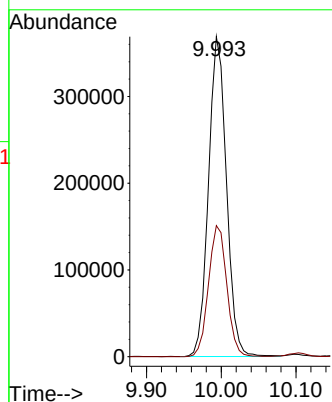
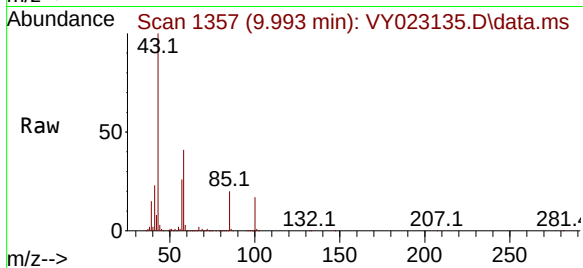
VSTDCCC050EC

Tgt Ion: 43 Resp: 615423

Ion Ratio Lower Upper

43 100

58 41.9 33.5 50.3



#52

Toluene

Concen: 47.285 ug/l

RT: 10.164 min Scan# 1385

Delta R.T. 0.000 min

Lab File: VY023135.D

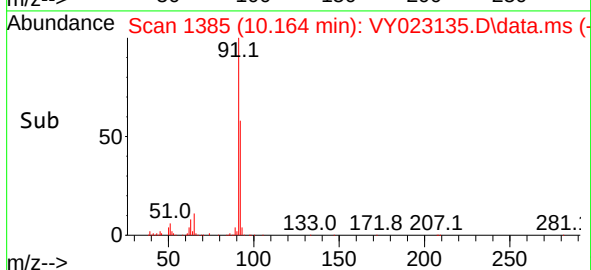
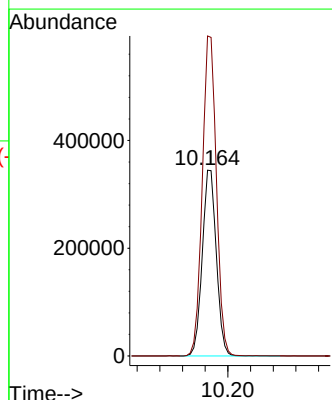
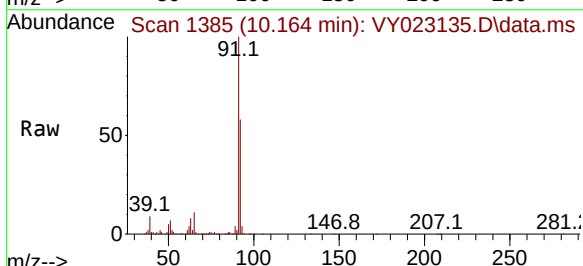
Acq: 15 Aug 2025 19:06

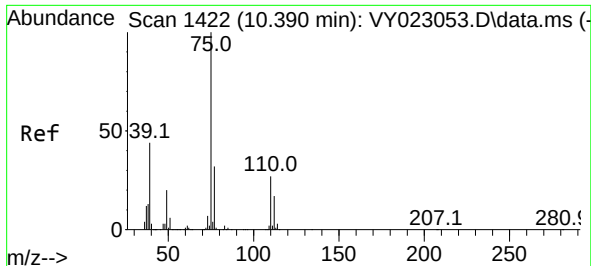
Tgt Ion: 92 Resp: 591580

Ion Ratio Lower Upper

92 100

91 172.9 136.4 204.6

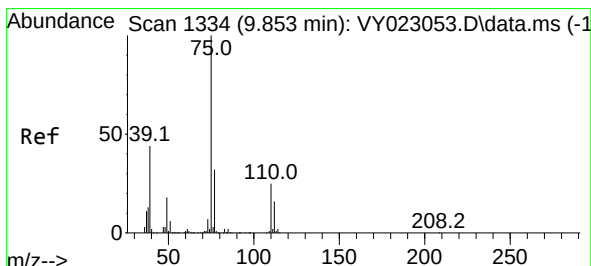
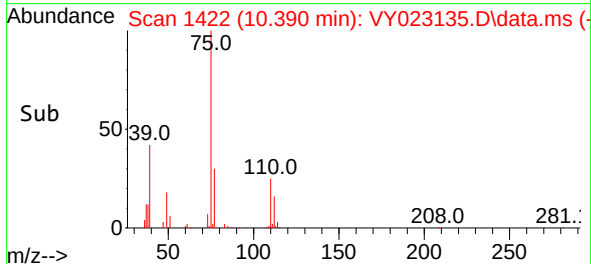
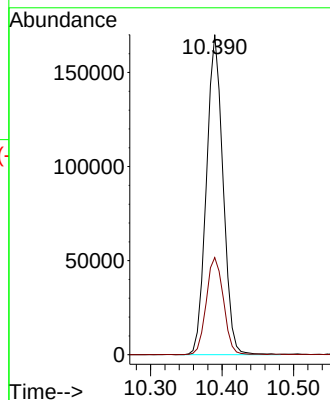
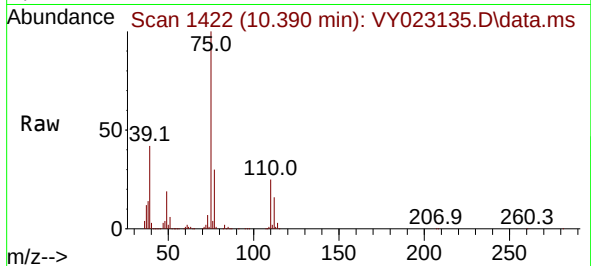




#53
t-1,3-Dichloropropene
Concen: 45.264 ug/l
RT: 10.390 min Scan# 1422
Delta R.T. 0.000 min
Lab File: VY023135.D
Acq: 15 Aug 2025 19:06

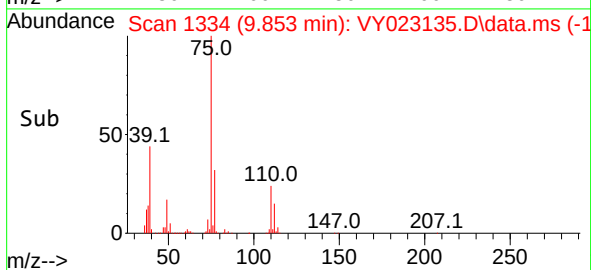
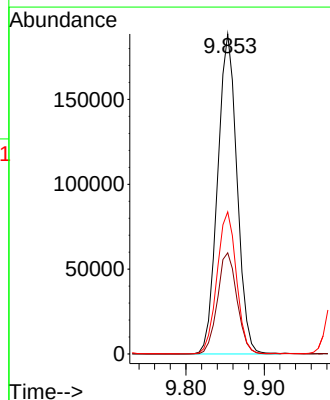
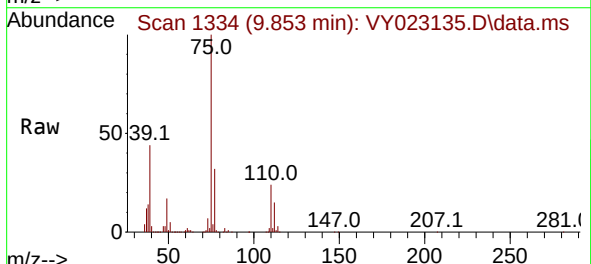
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

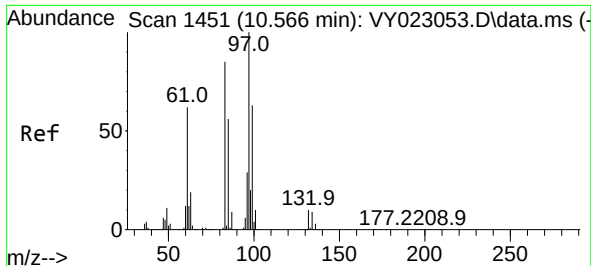
Tgt Ion: 75 Resp: 274370
Ion Ratio Lower Upper
75 100
77 30.3 25.7 38.5



#54
cis-1,3-Dichloropropene
Concen: 45.347 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY023135.D
Acq: 15 Aug 2025 19:06

Tgt Ion: 75 Resp: 325037
Ion Ratio Lower Upper
75 100
77 31.6 25.4 38.0
39 44.4 35.6 53.4



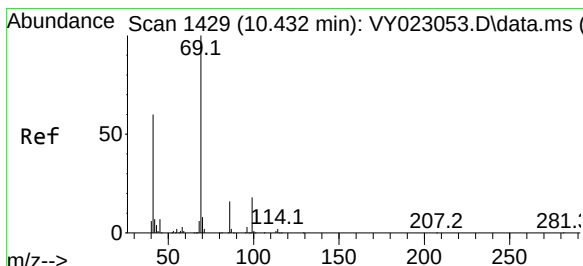
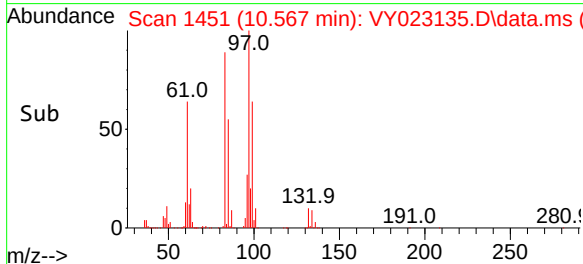
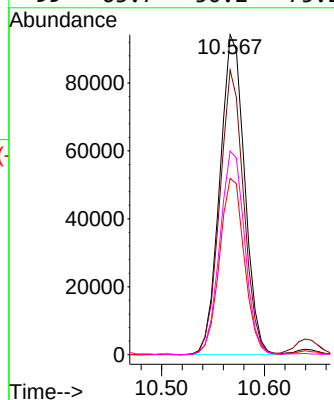
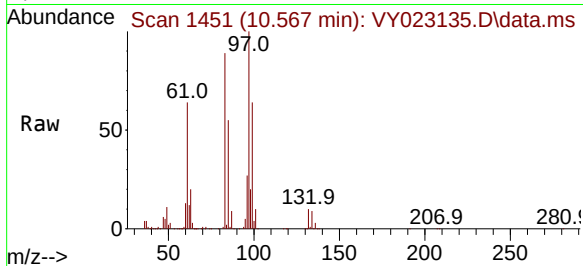


#55
1,1,2-Trichloroethane
Concen: 45.358 ug/l
RT: 10.567 min Scan# 1451
Delta R.T. 0.000 min
Lab File: VY023135.D
Acq: 15 Aug 2025 19:06

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 97 Resp: 157893

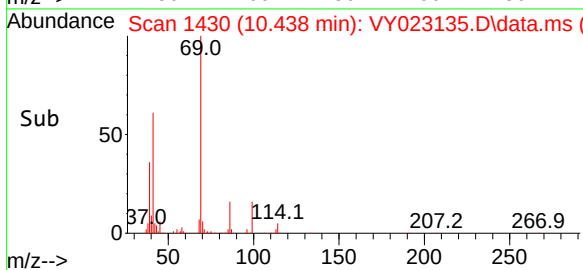
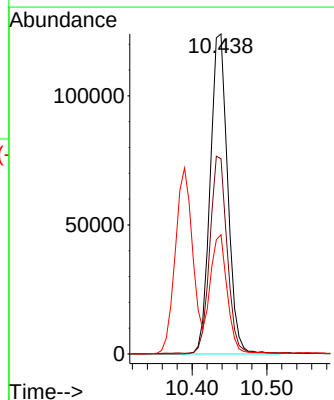
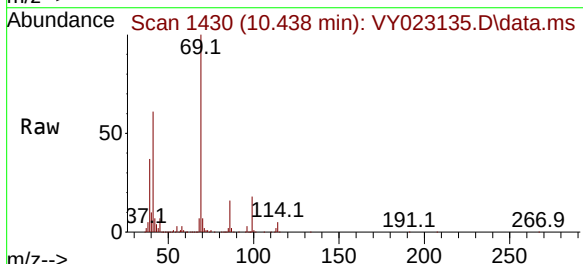
Ion	Ratio	Lower	Upper
97	100		
83	89.0	67.7	101.5
85	55.1	44.5	66.7
99	63.7	50.2	75.2

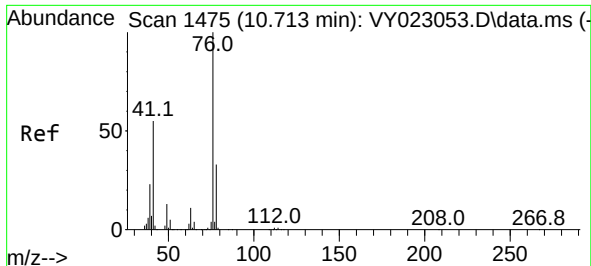


#56
Ethyl methacrylate
Concen: 45.302 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.006 min
Lab File: VY023135.D
Acq: 15 Aug 2025 19:06

Tgt Ion: 69 Resp: 201789

Ion	Ratio	Lower	Upper
69	100		
41	61.9	48.6	72.8
39	35.7	27.0	40.4





#57

1,3-Dichloropropane

Concen: 45.582 ug/l

RT: 10.713 min Scan# 1475

Delta R.T. 0.000 min

Lab File: VY023135.D

Acq: 15 Aug 2025 19:06

Instrument :

MSVOA_Y

ClientSampleId :

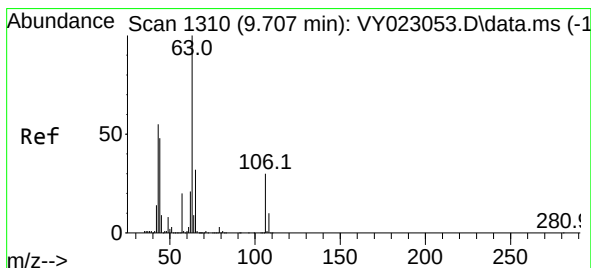
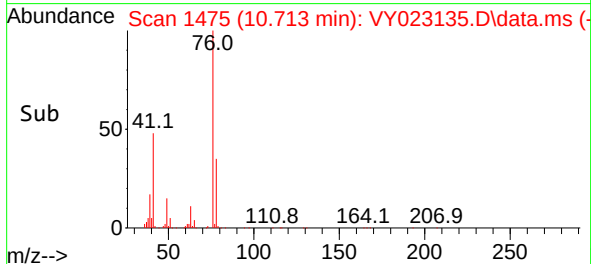
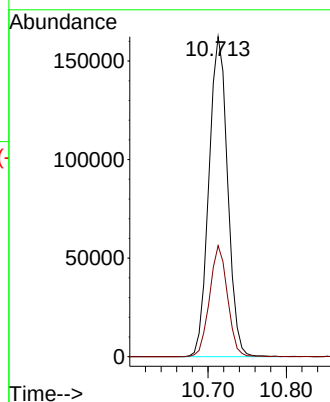
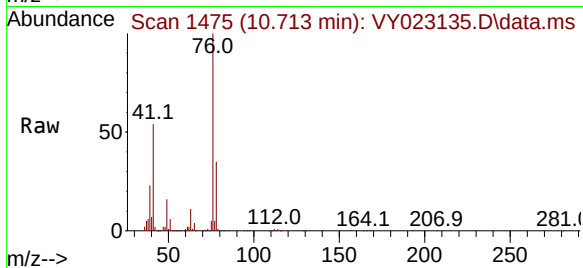
VSTDCCC050EC

Tgt Ion: 76 Resp: 269094

Ion Ratio Lower Upper

76 100

78 33.2 26.0 39.0



#58

2-Chloroethyl Vinyl ether

Concen: 247.890 ug/l

RT: 9.707 min Scan# 1310

Delta R.T. 0.000 min

Lab File: VY023135.D

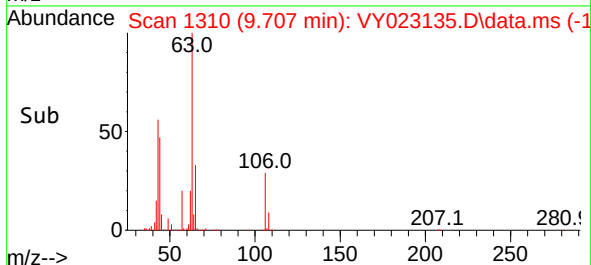
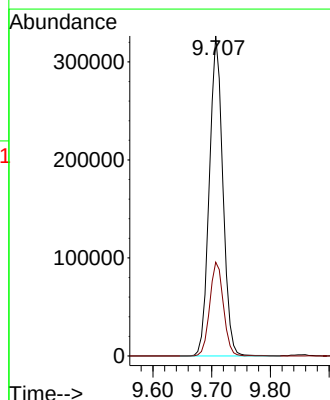
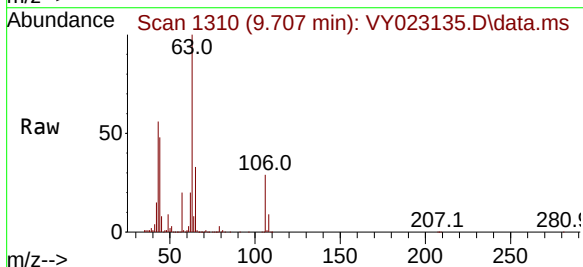
Acq: 15 Aug 2025 19:06

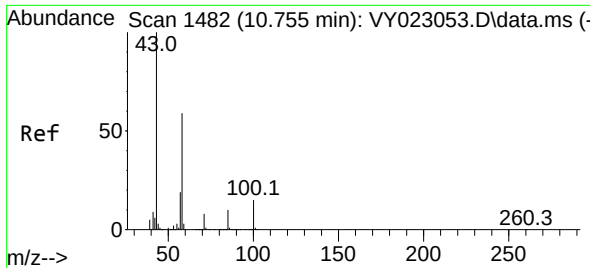
Tgt Ion: 63 Resp: 520841

Ion Ratio Lower Upper

63 100

106 29.7 23.2 34.8

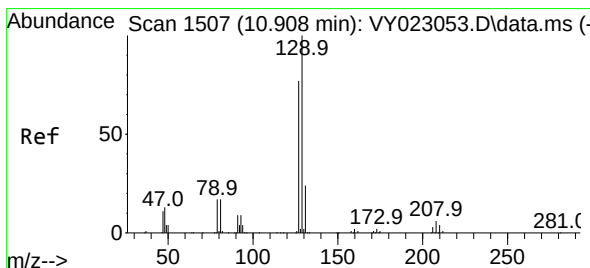
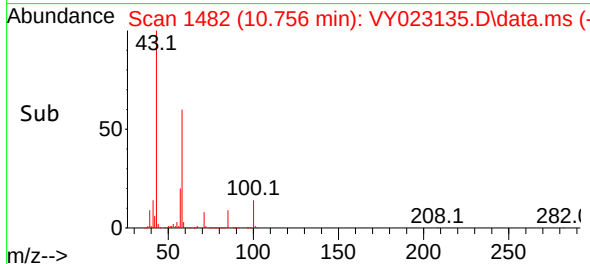
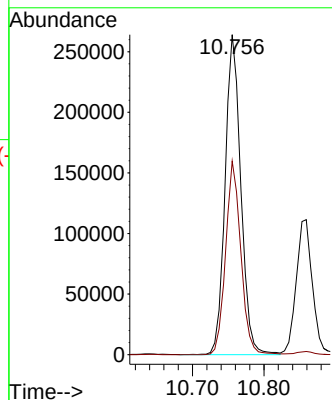
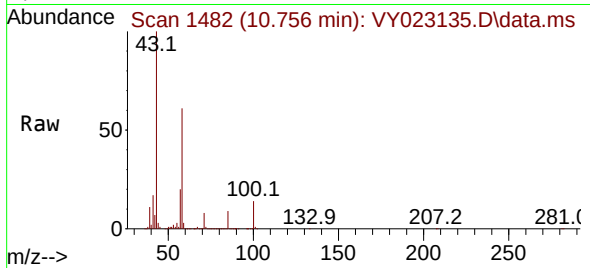




#59
2-Hexanone
Concen: 211.536 ug/l
RT: 10.756 min Scan# 1482
Delta R.T. 0.000 min
Lab File: VY023135.D
Acq: 15 Aug 2025 19:06

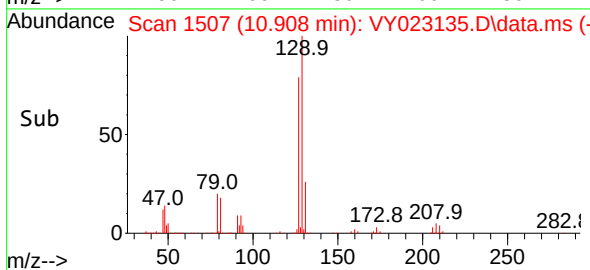
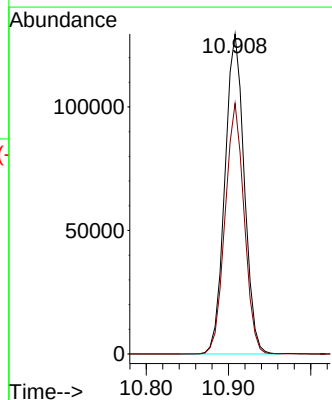
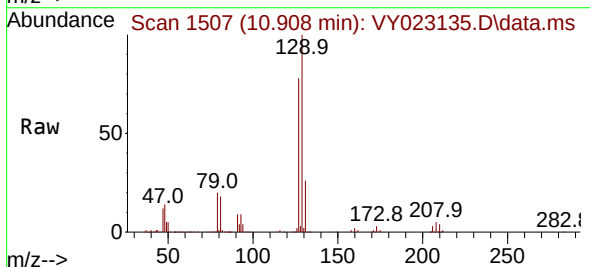
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

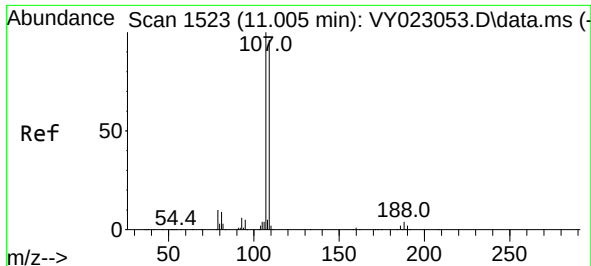
Tgt Ion: 43 Resp: 403176
Ion Ratio Lower Upper
43 100
58 58.6 29.5 88.5



#60
Dibromochloromethane
Concen: 46.058 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY023135.D
Acq: 15 Aug 2025 19:06

Tgt Ion: 129 Resp: 211553
Ion Ratio Lower Upper
129 100
127 77.3 38.5 115.5

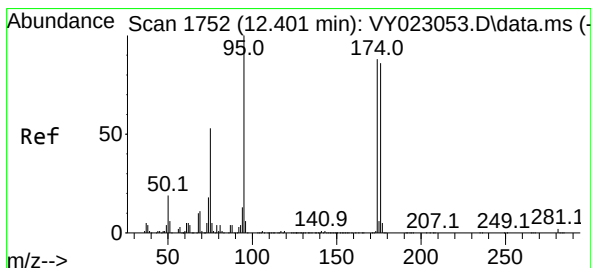
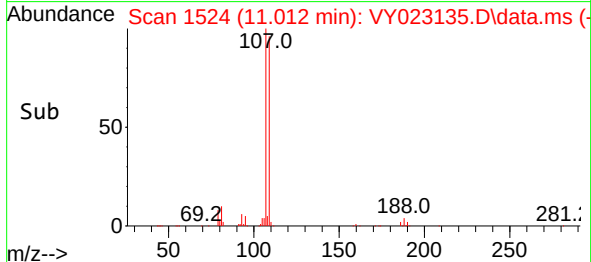
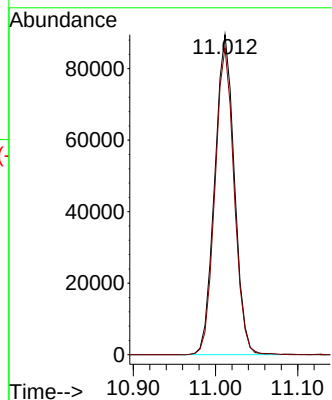
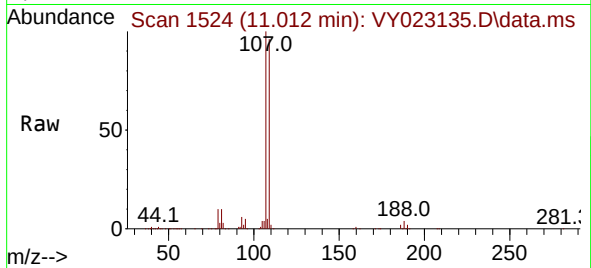




#61
1,2-Dibromoethane
Concen: 45.352 ug/l
RT: 11.012 min Scan# 1524
Delta R.T. 0.006 min
Lab File: VY023135.D
Acq: 15 Aug 2025 19:06

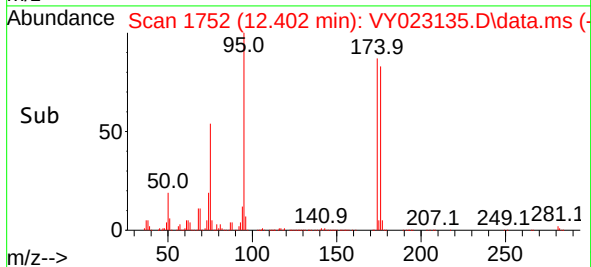
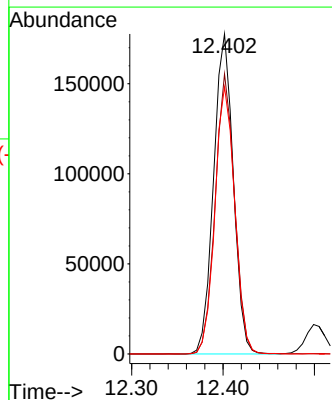
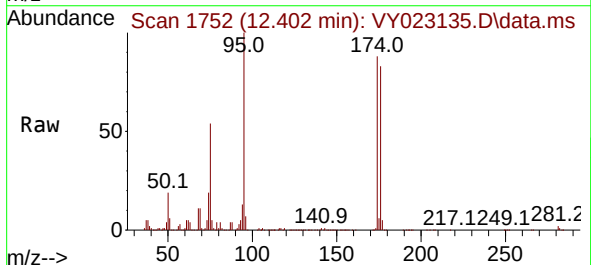
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

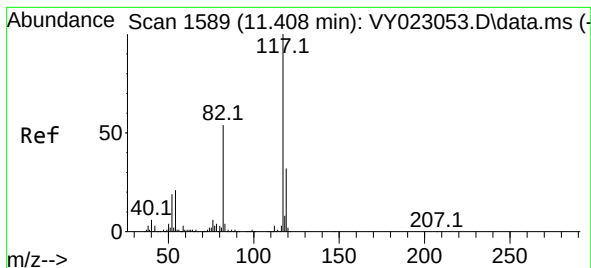
Tgt Ion:107 Resp: 148382
Ion Ratio Lower Upper
107 100
109 93.7 75.6 113.4



#62
4-Bromofluorobenzene
Concen: 49.275 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023135.D
Acq: 15 Aug 2025 19:06

Tgt Ion: 95 Resp: 266231
Ion Ratio Lower Upper
95 100
174 86.1 0.0 171.6
176 84.1 0.0 167.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 117

Delta R.T. 0.006 min

Lab File: VY023135.D

Acq: 15 Aug 2025 19:06

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

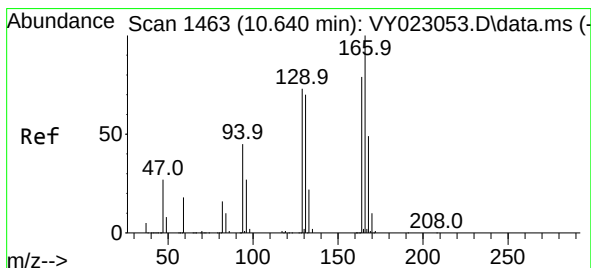
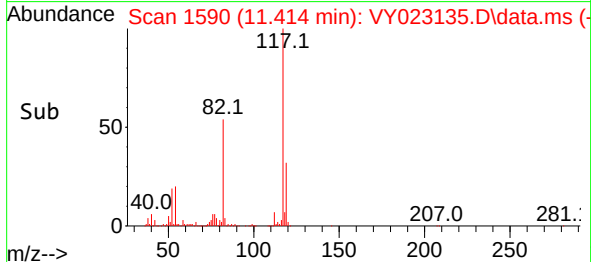
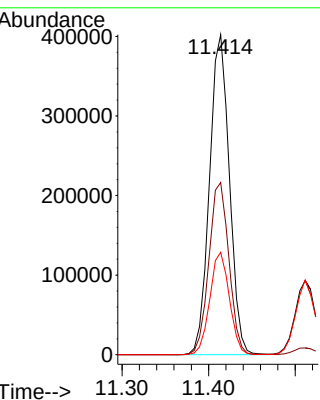
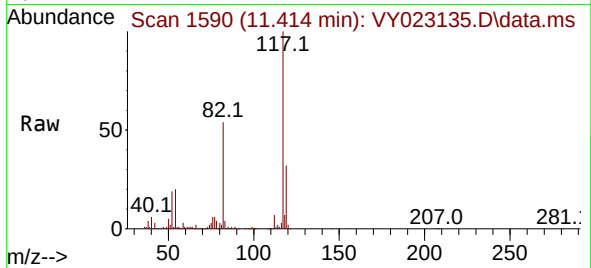
Tgt Ion:117 Resp: 640791

Ion Ratio Lower Upper

117 100

82 53.8 43.4 65.0

119 32.0 25.6 38.4



#64

Tetrachloroethene

Concen: 52.075 ug/l

RT: 10.646 min Scan# 1464

Delta R.T. 0.006 min

Lab File: VY023135.D

Acq: 15 Aug 2025 19:06

Tgt Ion:164 Resp: 297964

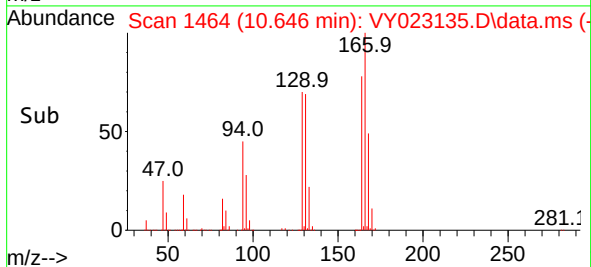
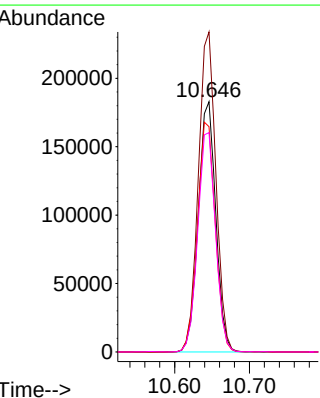
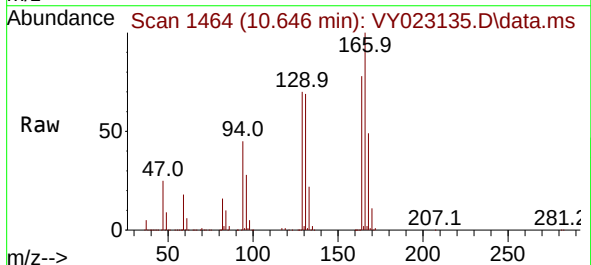
Ion Ratio Lower Upper

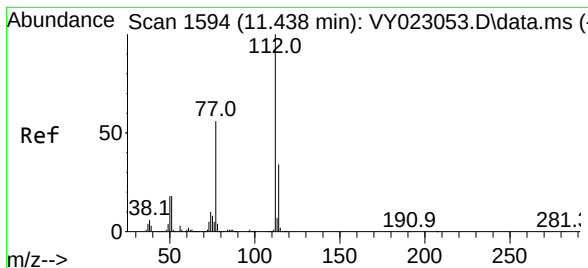
164 100

166 127.9 101.1 151.7

129 90.0 74.0 111.0

131 87.6 71.1 106.7

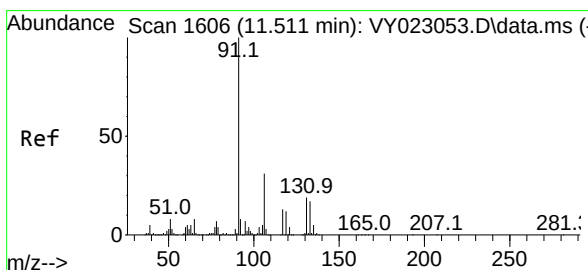
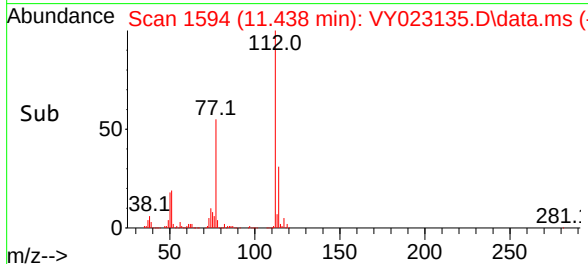
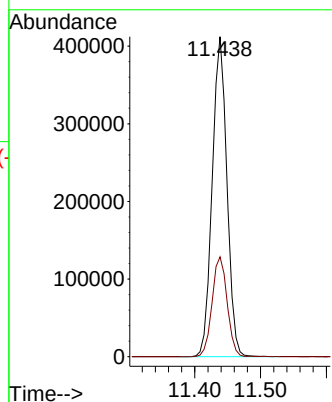
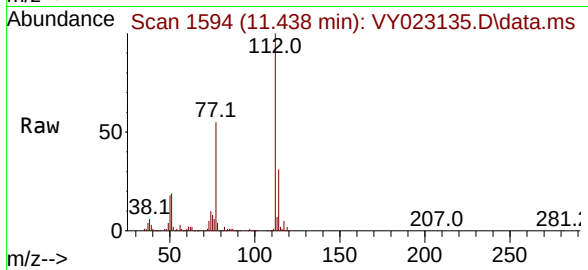




#65
Chlorobenzene
Concen: 46.339 ug/l
RT: 11.438 min Scan# 1594
Delta R.T. 0.000 min
Lab File: VY023135.D
Acq: 15 Aug 2025 19:06

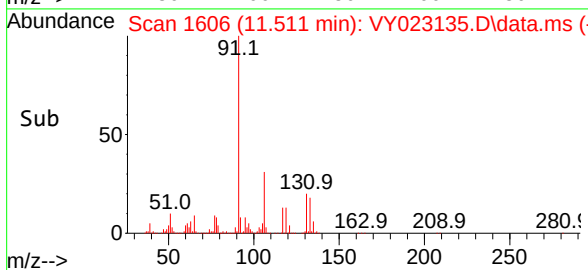
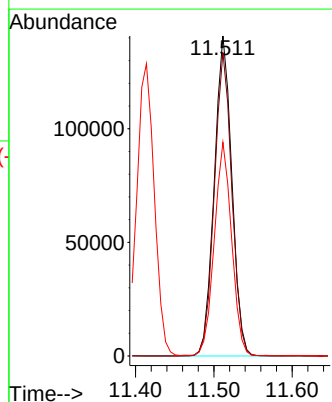
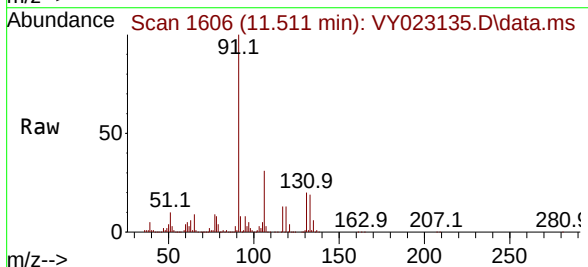
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

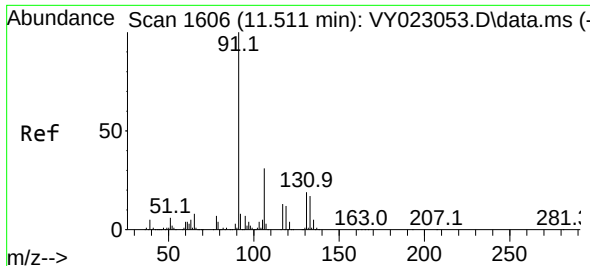
Tgt Ion:112 Resp: 640496
Ion Ratio Lower Upper
112 100
114 31.2 27.0 40.4



#66
1,1,1,2-Tetrachloroethane
Concen: 46.876 ug/l
RT: 11.511 min Scan# 1606
Delta R.T. 0.000 min
Lab File: VY023135.D
Acq: 15 Aug 2025 19:06

Tgt Ion:131 Resp: 219895
Ion Ratio Lower Upper
131 100
133 94.4 46.9 140.6
119 65.9 33.2 99.6

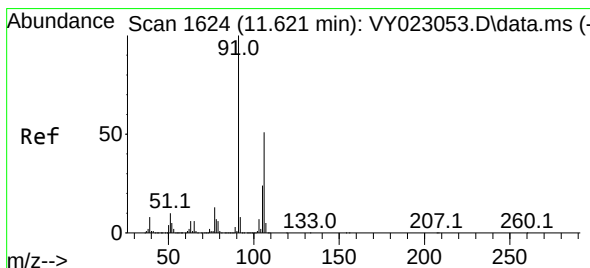
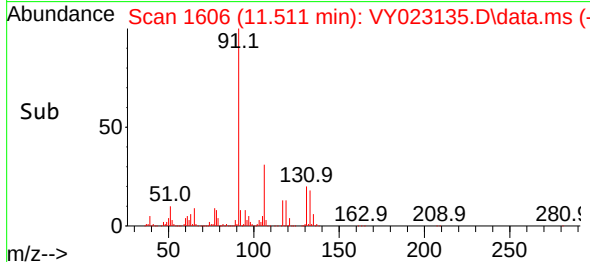
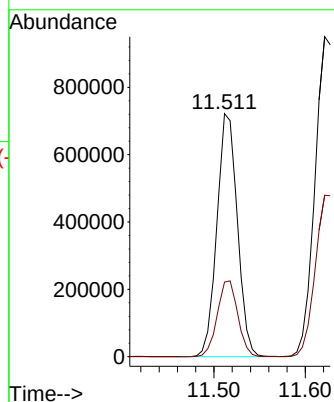
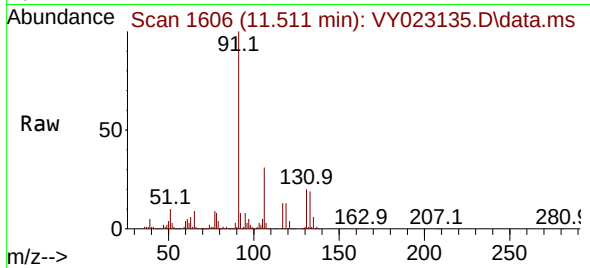




#67
Ethyl Benzene
Concen: 47.266 ug/l
RT: 11.511 min Scan# 1606
Delta R.T. 0.000 min
Lab File: VY023135.D
Acq: 15 Aug 2025 19:06

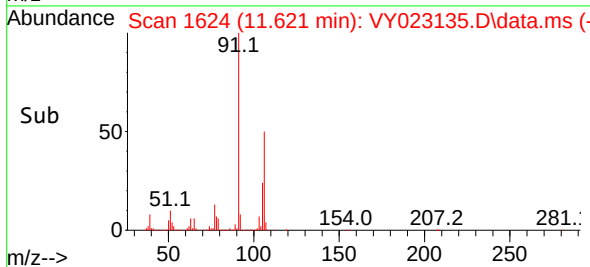
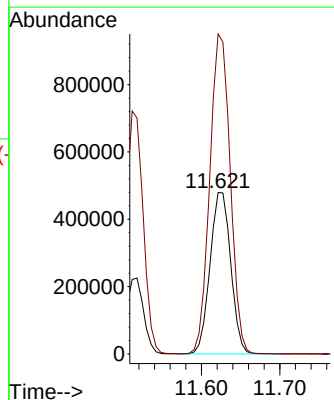
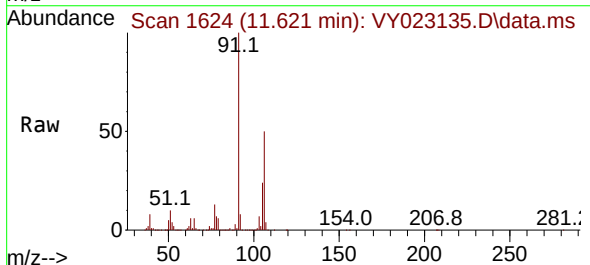
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

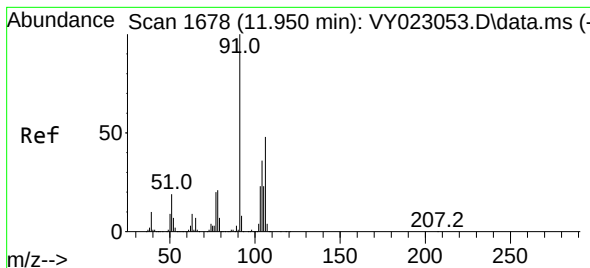
Tgt Ion: 91 Resp: 1124279
Ion Ratio Lower Upper
91 100
106 30.7 25.0 37.4



#68
m/p-Xylenes
Concen: 94.610 ug/l
RT: 11.621 min Scan# 1624
Delta R.T. 0.000 min
Lab File: VY023135.D
Acq: 15 Aug 2025 19:06

Tgt Ion: 106 Resp: 878925
Ion Ratio Lower Upper
106 100
91 196.6 158.6 238.0

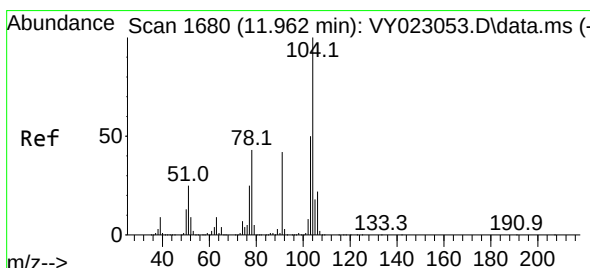
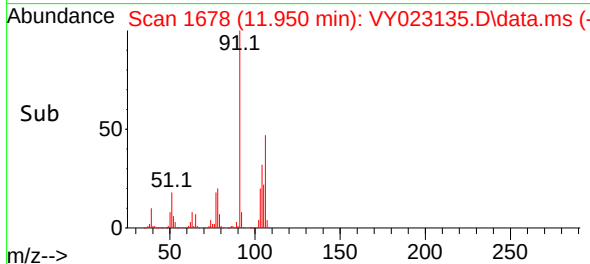
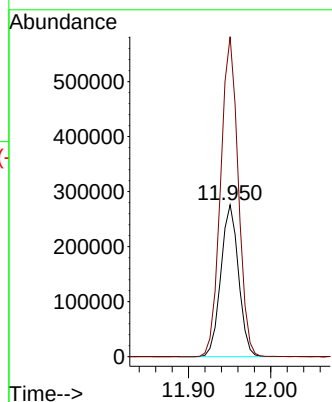
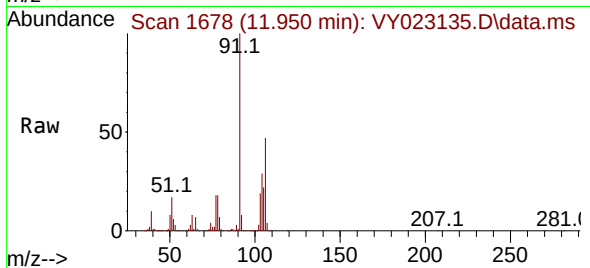




#69
o-Xylene
Concen: 47.384 ug/l
RT: 11.950 min Scan# 1678
Delta R.T. 0.000 min
Lab File: VY023135.D
Acq: 15 Aug 2025 19:06

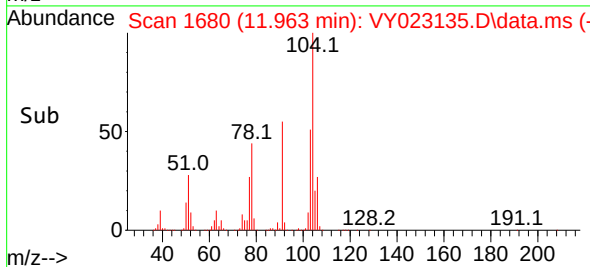
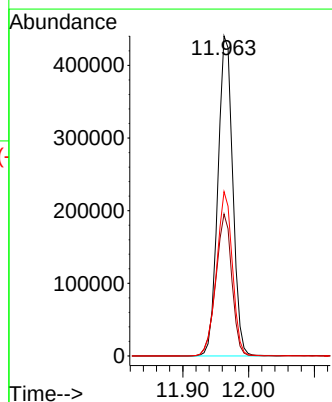
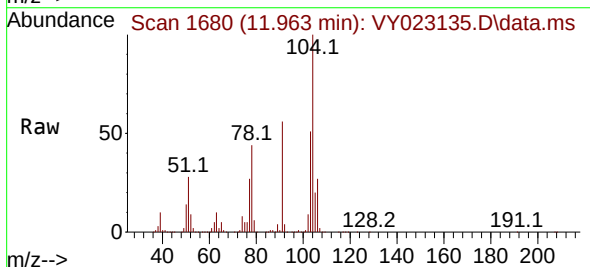
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

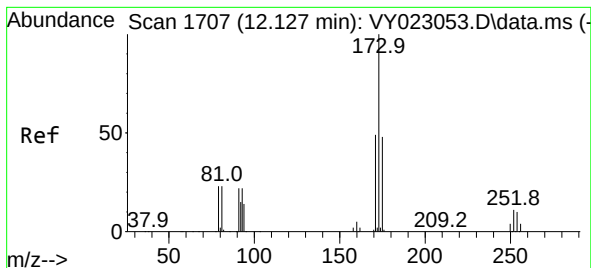
Tgt Ion:106 Resp: 412282
Ion Ratio Lower Upper
106 100
91 210.0 103.2 309.4



#70
Styrene
Concen: 48.738 ug/l
RT: 11.963 min Scan# 1680
Delta R.T. 0.000 min
Lab File: VY023135.D
Acq: 15 Aug 2025 19:06

Tgt Ion:104 Resp: 693511
Ion Ratio Lower Upper
104 100
78 47.7 38.5 57.7
103 54.8 43.7 65.5





#71

Bromoform

Concen: 42.892 ug/l

RT: 12.127 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY023135.D

Acq: 15 Aug 2025 19:06

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

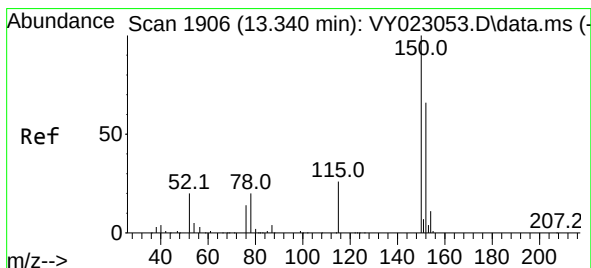
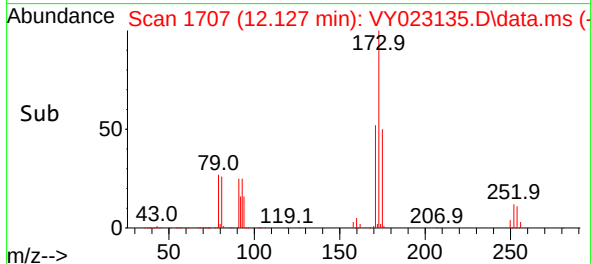
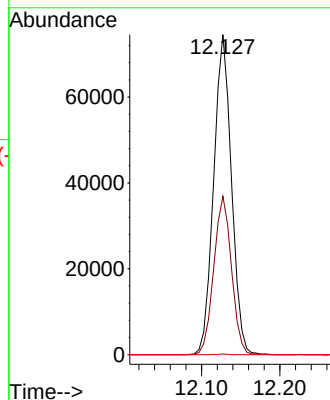
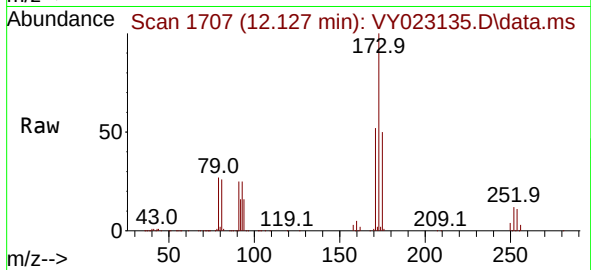
Tgt Ion:173 Resp: 117595

Ion Ratio Lower Upper

173 100

175 49.2 23.9 71.7

254 0.1 0.1 0.1



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.340 min Scan# 1906

Delta R.T. 0.000 min

Lab File: VY023135.D

Acq: 15 Aug 2025 19:06

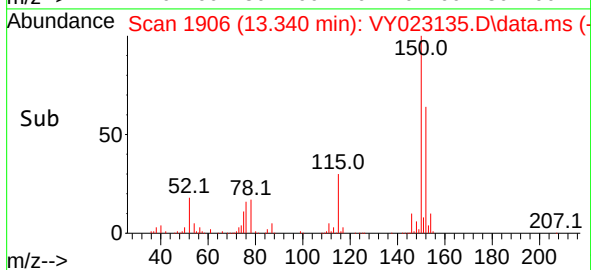
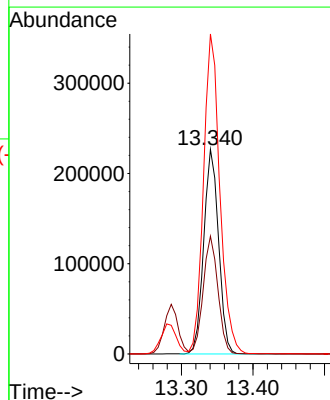
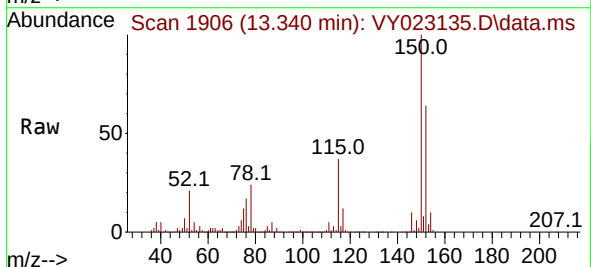
Tgt Ion:152 Resp: 327055

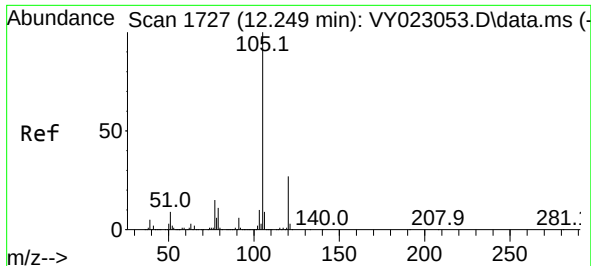
Ion Ratio Lower Upper

152 100

115 57.2 28.2 84.6

150 172.0 0.0 348.0

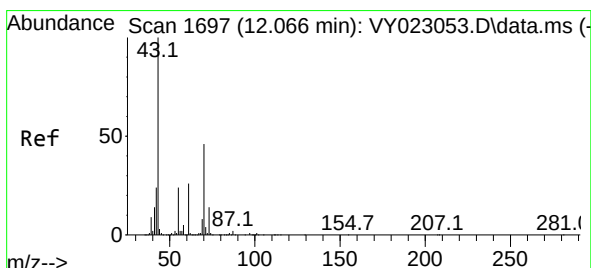
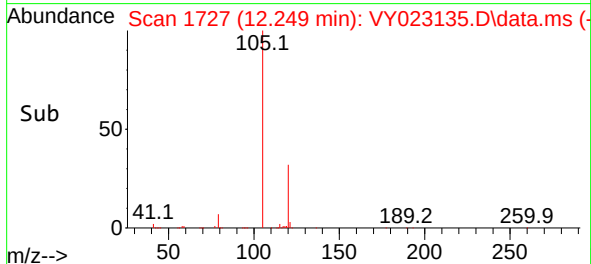
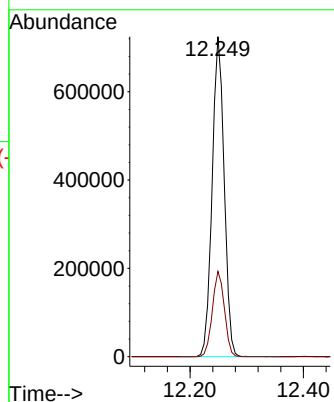
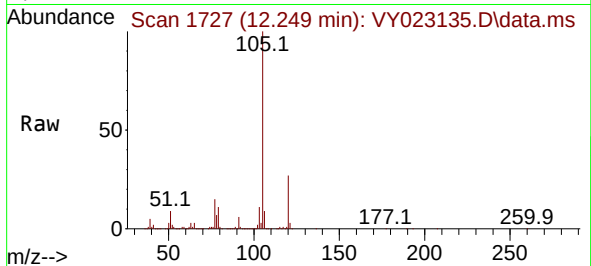




#73
Isopropylbenzene
Concen: 46.232 ug/l
RT: 12.249 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY023135.D
Acq: 15 Aug 2025 19:06

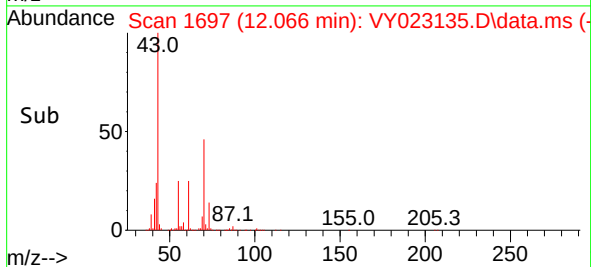
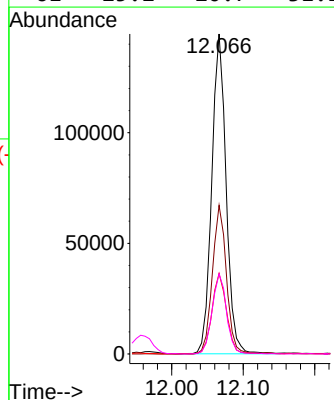
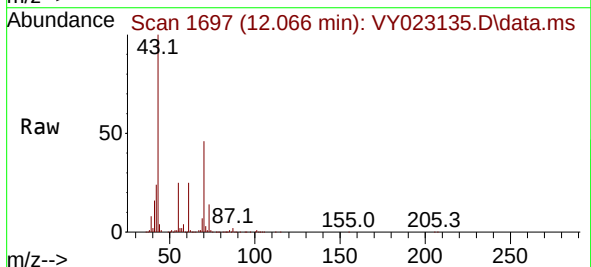
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

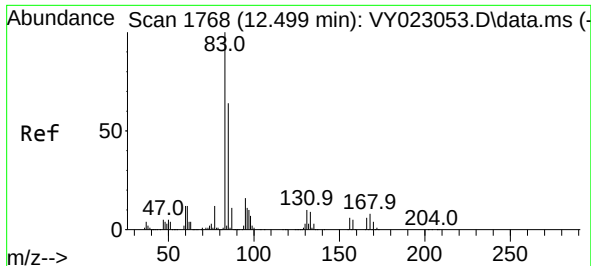
Tgt Ion:105 Resp: 1067182
Ion Ratio Lower Upper
105 100
120 26.7 13.4 40.2



#74
N-ethyl acetate
Concen: 41.170 ug/l
RT: 12.066 min Scan# 1697
Delta R.T. 0.000 min
Lab File: VY023135.D
Acq: 15 Aug 2025 19:06

Tgt Ion: 43 Resp: 201534
Ion Ratio Lower Upper
43 100
70 45.7 37.5 56.3
55 25.7 20.7 31.1
61 25.2 20.7 31.1

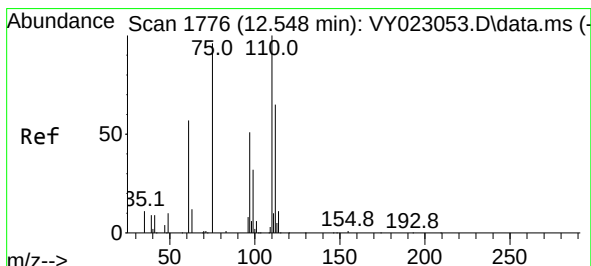
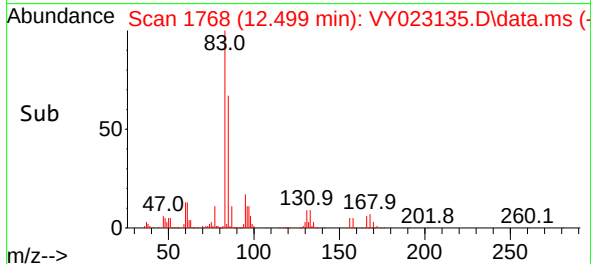
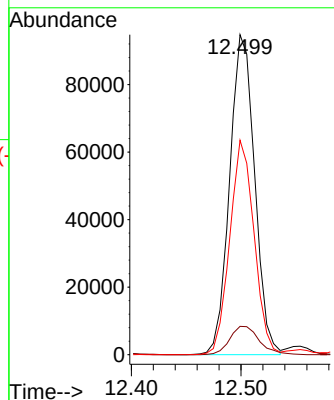
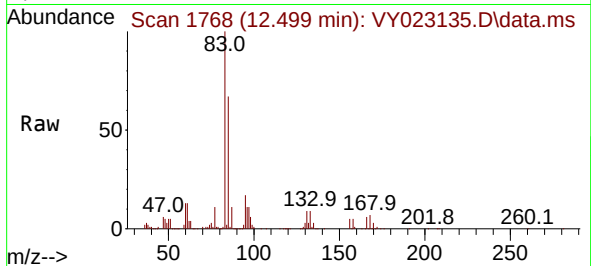




#75
 1,1,2,2-Tetrachloroethane
 Concen: 38.093 ug/l
 RT: 12.499 min Scan# 1768
 Delta R.T. 0.000 min
 Lab File: VY023135.D
 Acq: 15 Aug 2025 19:06

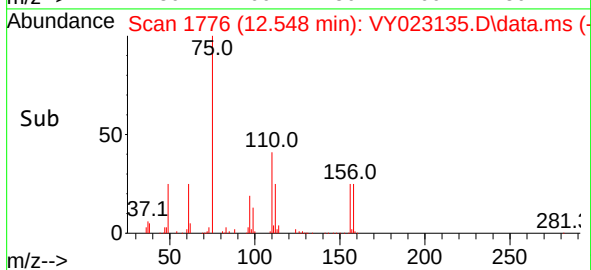
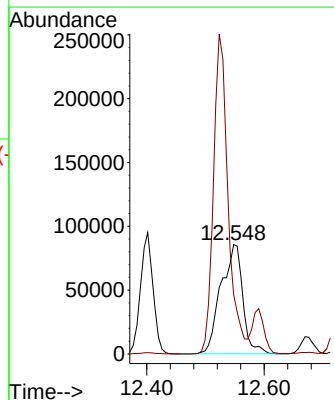
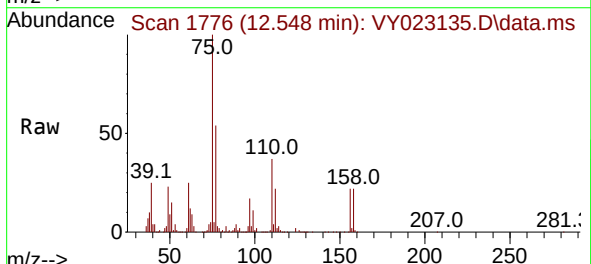
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

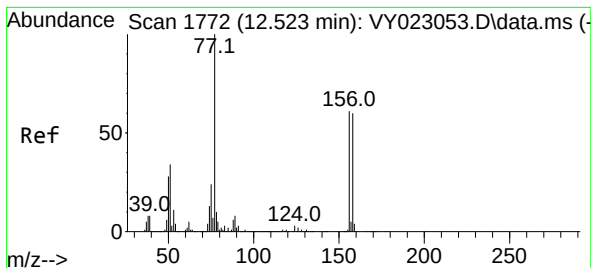
Tgt Ion: 83 Resp: 150140
 Ion Ratio Lower Upper
 83 100
 131 10.5 5.1 15.3
 85 65.2 31.8 95.3



#76
 1,2,3-Trichloropropane
 Concen: 70.064 ug/l
 RT: 12.548 min Scan# 1776
 Delta R.T. 0.000 min
 Lab File: VY023135.D
 Acq: 15 Aug 2025 19:06

Tgt Ion: 75 Resp: 221151
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0

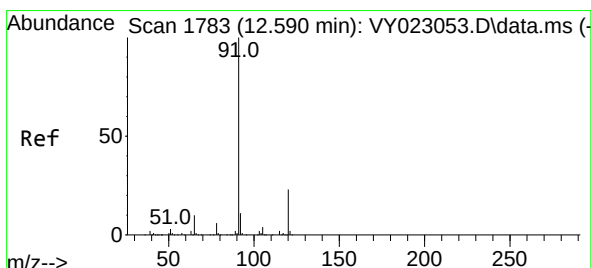
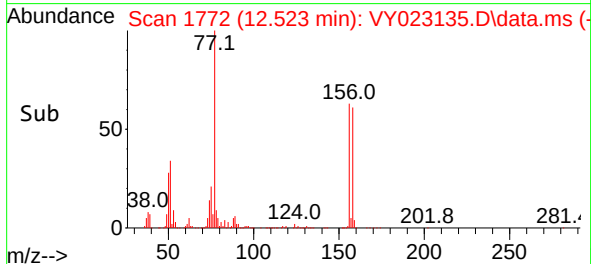
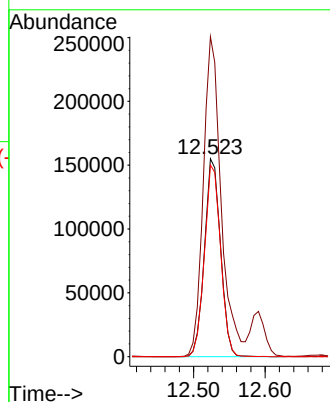
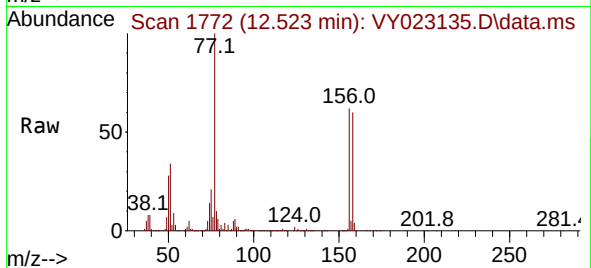




#77
Bromobenzene
Concen: 44.080 ug/l
RT: 12.523 min Scan# 1772
Delta R.T. 0.000 min
Lab File: VY023135.D
Acq: 15 Aug 2025 19:06

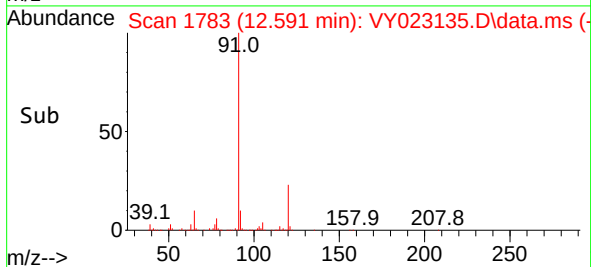
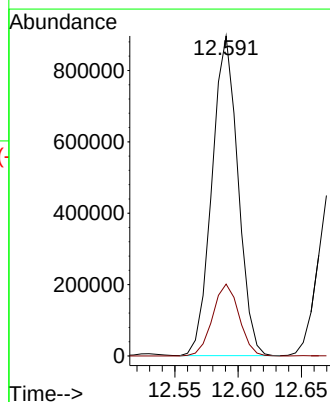
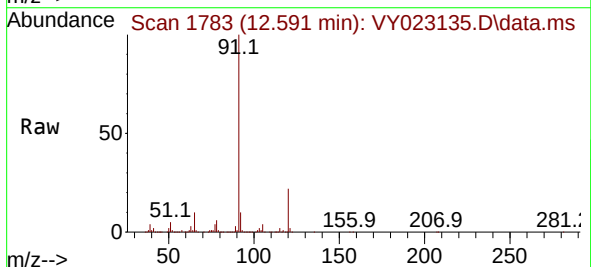
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

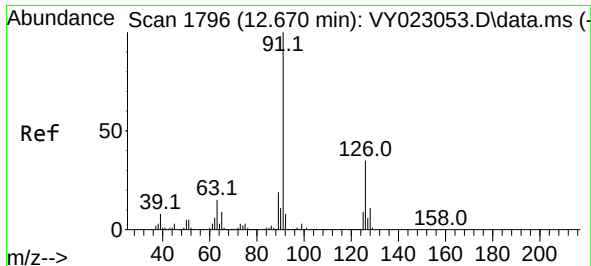
Tgt Ion:156 Resp: 242744
Ion Ratio Lower Upper
156 100
77 179.2 88.1 264.4
158 97.3 48.0 144.0



#78
n-propylbenzene
Concen: 46.593 ug/l
RT: 12.591 min Scan# 1783
Delta R.T. 0.000 min
Lab File: VY023135.D
Acq: 15 Aug 2025 19:06

Tgt Ion: 91 Resp: 1280468
Ion Ratio Lower Upper
91 100
120 22.9 11.5 34.5

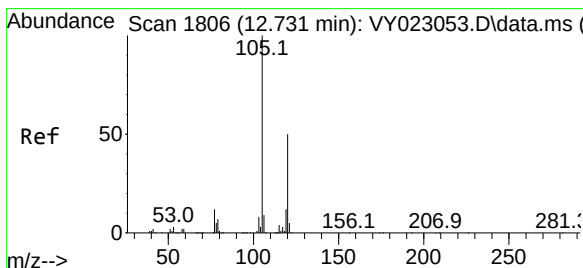
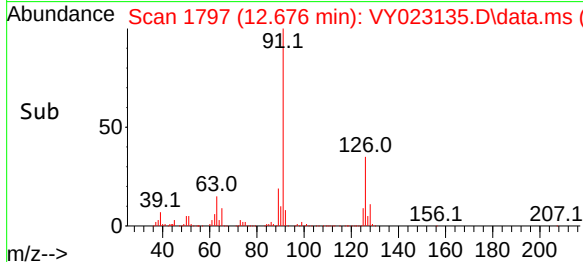
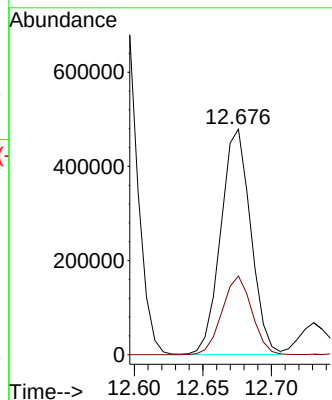
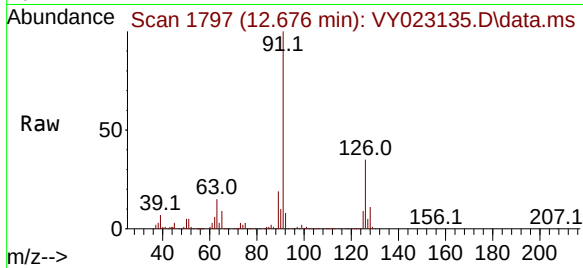




#79
2-Chlorotoluene
Concen: 46.284 ug/l
RT: 12.676 min Scan# 1796
Delta R.T. 0.006 min
Lab File: VY023135.D
Acq: 15 Aug 2025 19:06

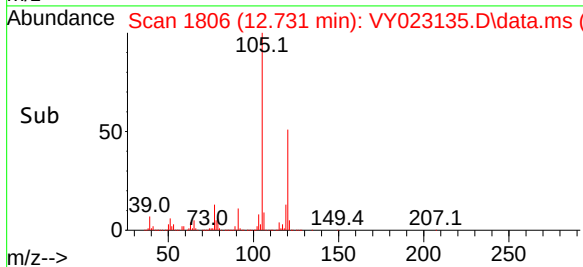
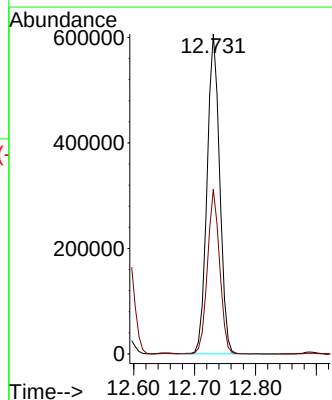
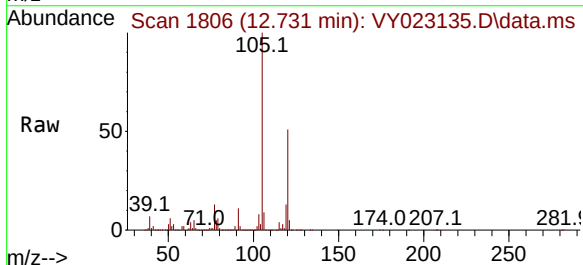
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

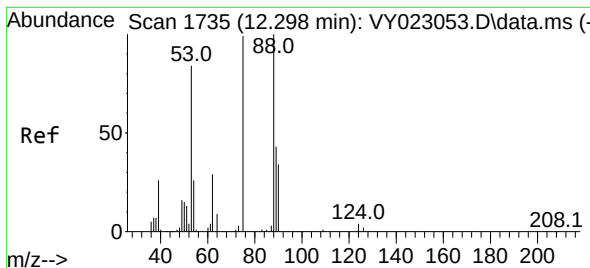
Tgt Ion: 91 Resp: 728787
Ion Ratio Lower Upper
91 100
126 34.6 17.4 52.3



#80
1,3,5-Trimethylbenzene
Concen: 46.663 ug/l
RT: 12.731 min Scan# 1806
Delta R.T. 0.000 min
Lab File: VY023135.D
Acq: 15 Aug 2025 19:06

Tgt Ion: 105 Resp: 870525
Ion Ratio Lower Upper
105 100
120 49.6 24.8 74.4

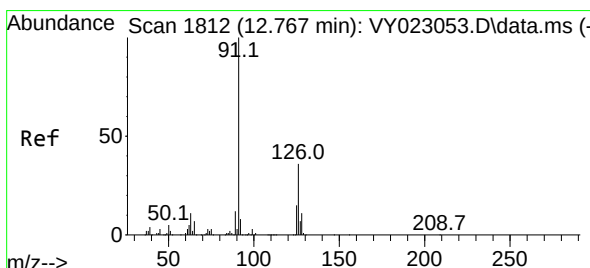
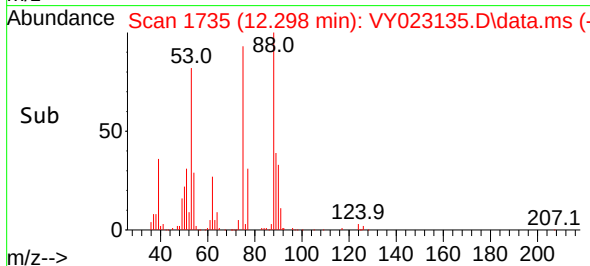
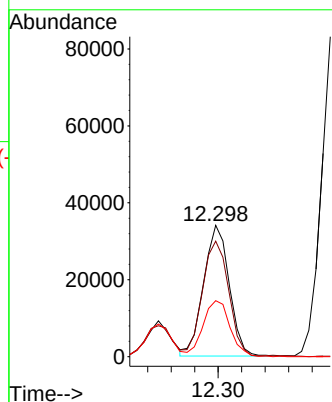
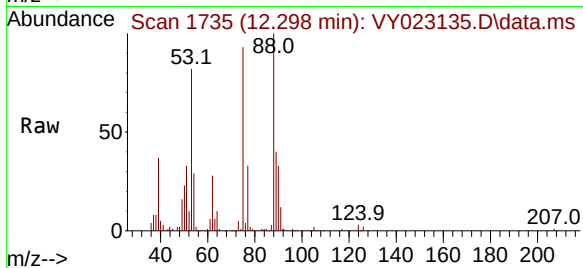




#81
trans-1,4-Dichloro-2-butene
Concen: 39.640 ug/l
RT: 12.298 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY023135.D
Acq: 15 Aug 2025 19:06

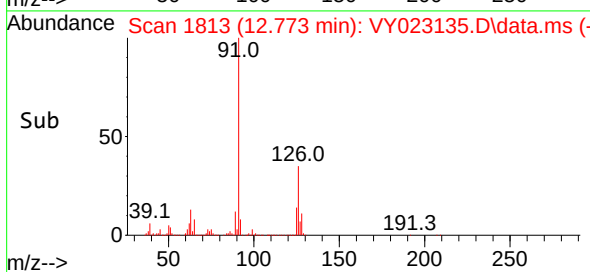
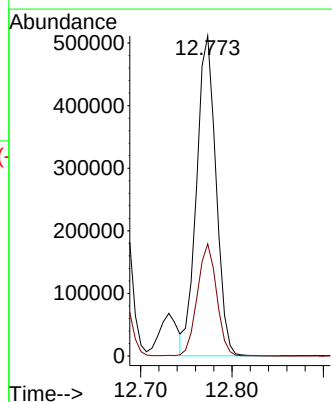
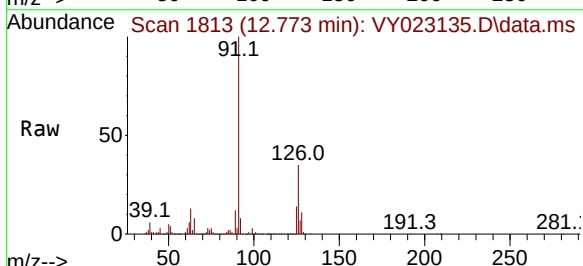
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

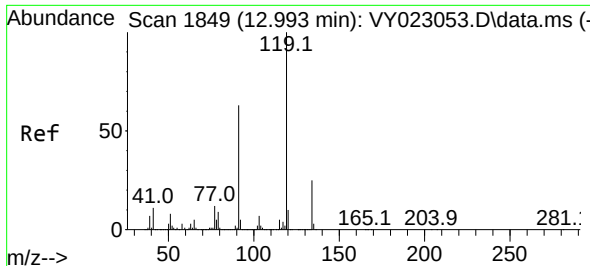
Tgt Ion: 75 Resp: 51688
Ion Ratio Lower Upper
75 100
53 89.8 70.8 106.2
89 44.6 38.1 57.1



#82
4-Chlorotoluene
Concen: 46.196 ug/l
RT: 12.773 min Scan# 1813
Delta R.T. 0.006 min
Lab File: VY023135.D
Acq: 15 Aug 2025 19:06

Tgt Ion: 91 Resp: 754599
Ion Ratio Lower Upper
91 100
126 34.9 17.3 52.0

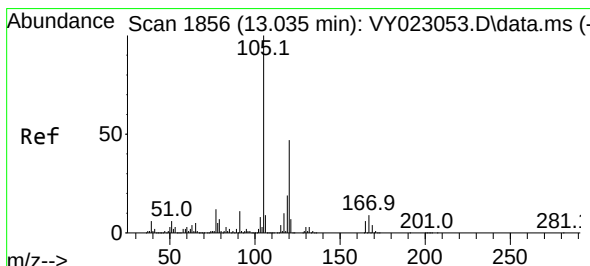
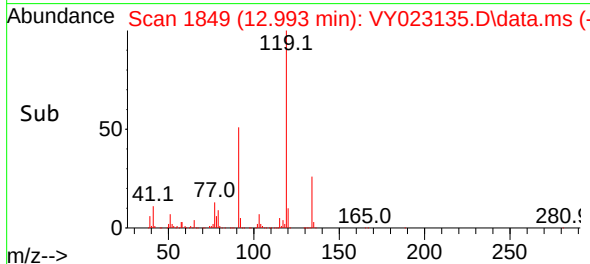
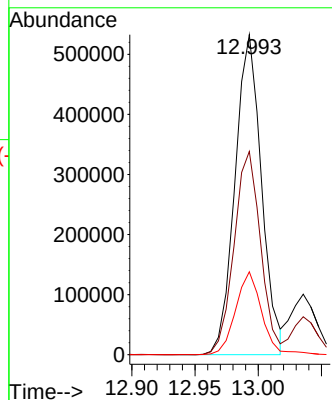
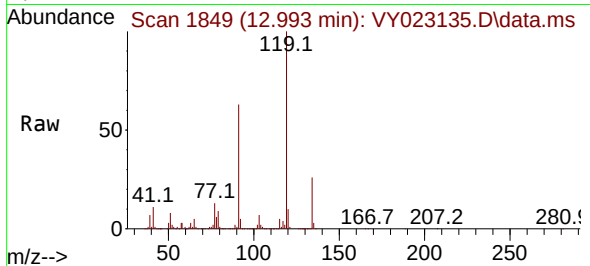




#83
 tert-Butylbenzene
 Concen: 46.181 ug/l
 RT: 12.993 min Scan# 1849
 Delta R.T. 0.000 min
 Lab File: VY023135.D
 Acq: 15 Aug 2025 19:06

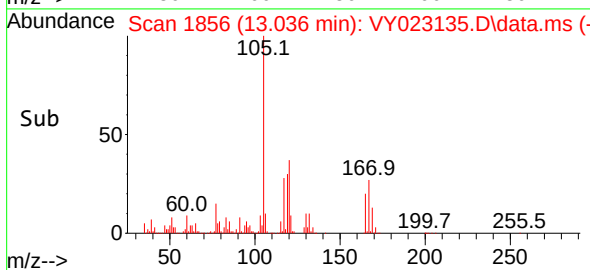
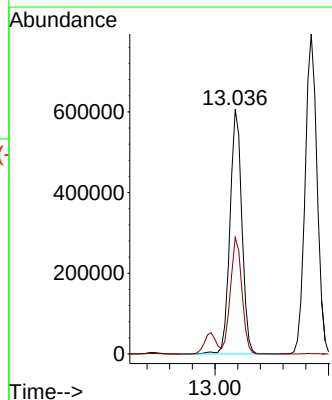
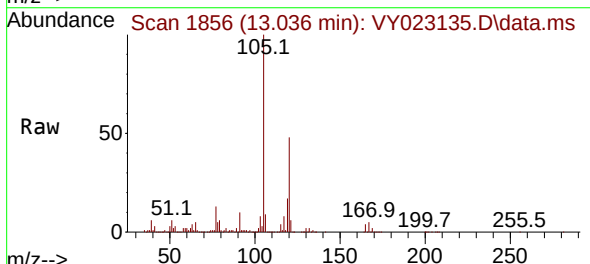
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

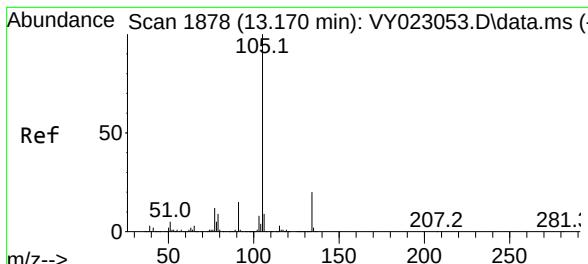
Tgt Ion:119 Resp: 778117
 Ion Ratio Lower Upper
 119 100
 91 63.5 31.6 94.8
 134 25.6 12.9 38.7



#84
 1,2,4-Trimethylbenzene
 Concen: 47.349 ug/l
 RT: 13.036 min Scan# 1856
 Delta R.T. 0.000 min
 Lab File: VY023135.D
 Acq: 15 Aug 2025 19:06

Tgt Ion:105 Resp: 879311
 Ion Ratio Lower Upper
 105 100
 120 46.2 23.0 69.0

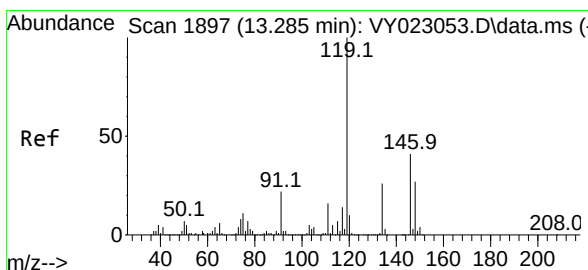
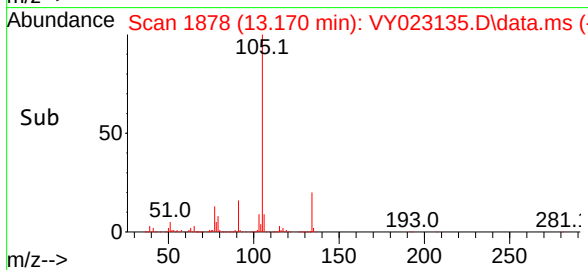
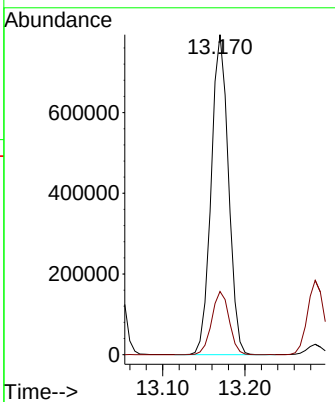
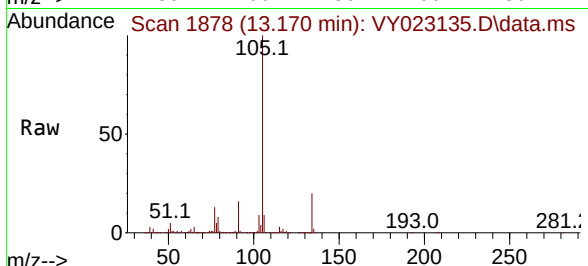




#85
 sec-Butylbenzene
 Concen: 46.712 ug/l
 RT: 13.170 min Scan# 1878
 Delta R.T. 0.000 min
 Lab File: VY023135.D
 Acq: 15 Aug 2025 19:06

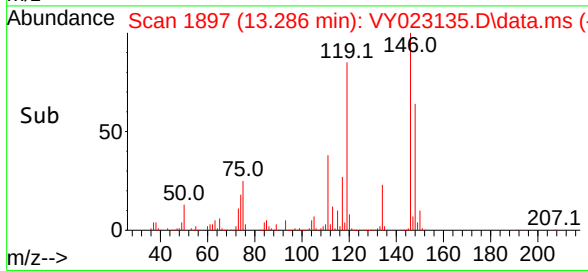
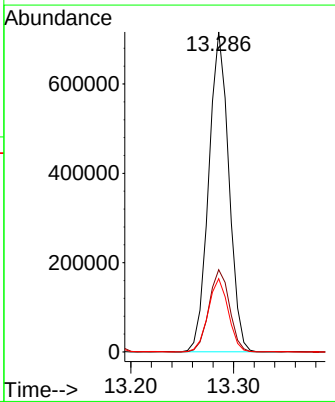
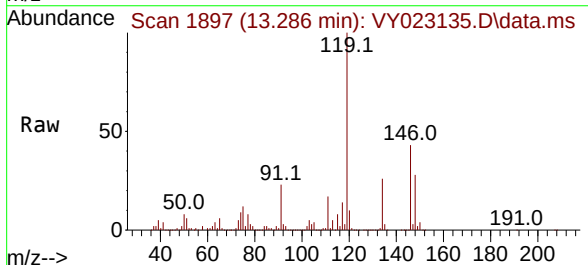
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

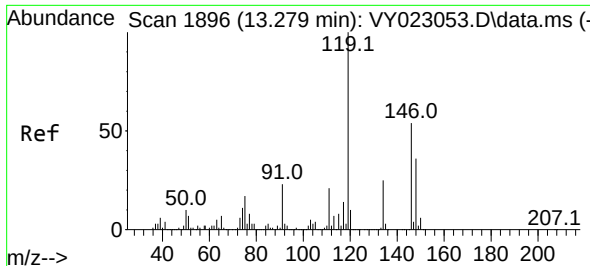
Tgt Ion:	105	Resp:	1156161
Ion	Ratio	Lower	Upper
105	100		
134	20.0	10.2	30.4



#86
 p-Isopropyltoluene
 Concen: 47.312 ug/l
 RT: 13.286 min Scan# 1897
 Delta R.T. 0.000 min
 Lab File: VY023135.D
 Acq: 15 Aug 2025 19:06

Tgt Ion:	119	Resp:	972014
Ion	Ratio	Lower	Upper
119	100		
134	26.2	13.2	39.6
91	22.9	11.3	33.8

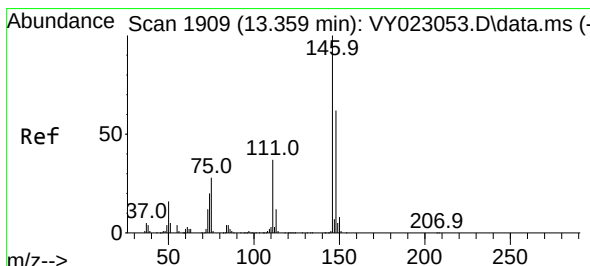
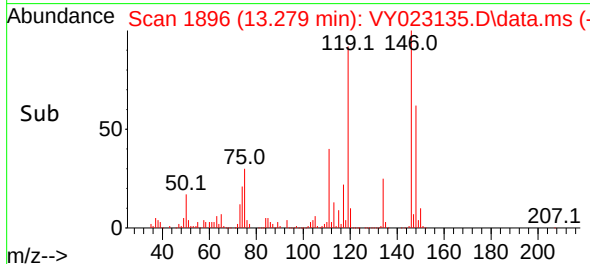
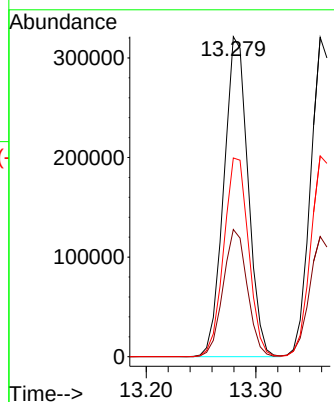
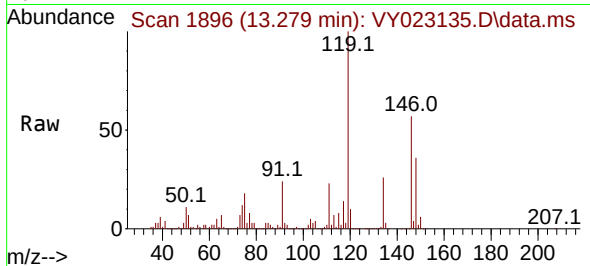




#87
 1,3-Dichlorobenzene
 Concen: 45.434 ug/l
 RT: 13.279 min Scan# 1896
 Delta R.T. 0.000 min
 Lab File: VY023135.D
 Acq: 15 Aug 2025 19:06

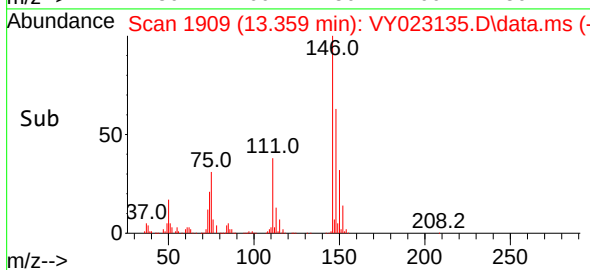
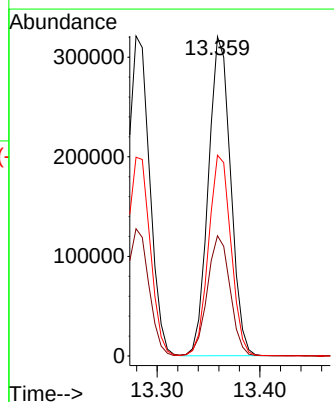
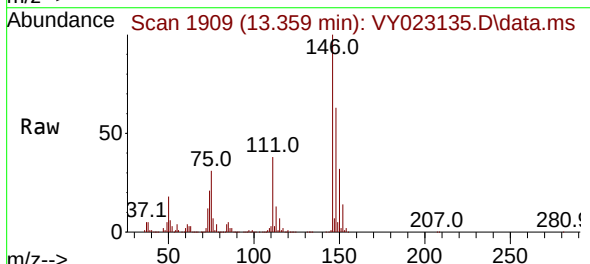
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

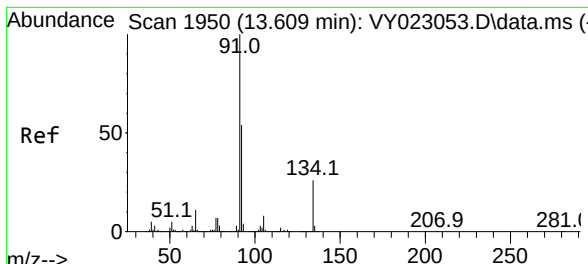
Tgt Ion:146 Resp: 493403
 Ion Ratio Lower Upper
 146 100
 111 39.5 19.6 58.7
 148 63.5 32.5 97.5



#88
 1,4-Dichlorobenzene
 Concen: 44.832 ug/l
 RT: 13.359 min Scan# 1909
 Delta R.T. 0.000 min
 Lab File: VY023135.D
 Acq: 15 Aug 2025 19:06

Tgt Ion:146 Resp: 482971
 Ion Ratio Lower Upper
 146 100
 111 38.5 19.1 57.1
 148 63.7 31.6 94.7

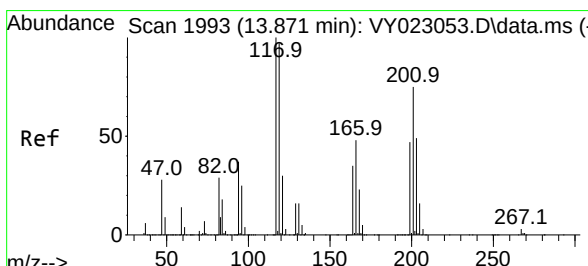
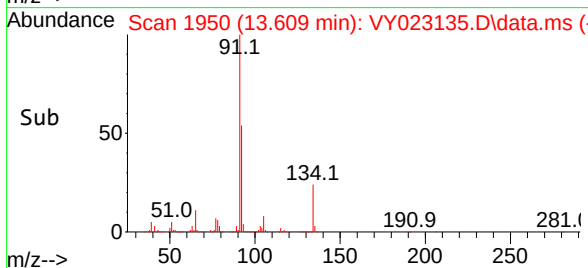
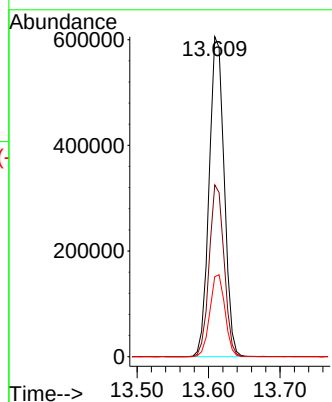
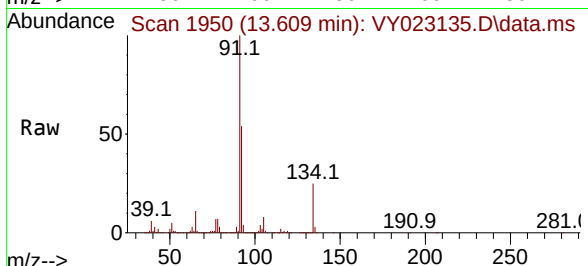




#89
n-Butylbenzene
Concen: 46.994 ug/l
RT: 13.609 min Scan# 1950
Delta R.T. 0.000 min
Lab File: VY023135.D
Acq: 15 Aug 2025 19:06

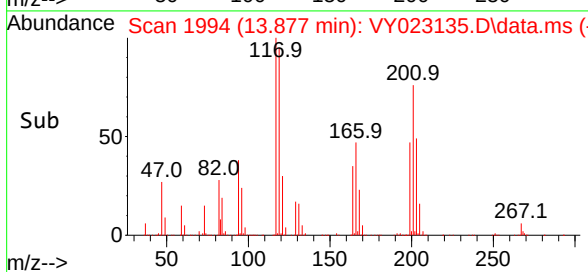
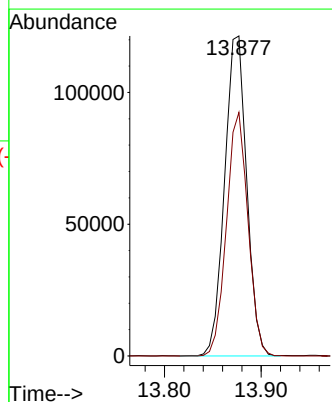
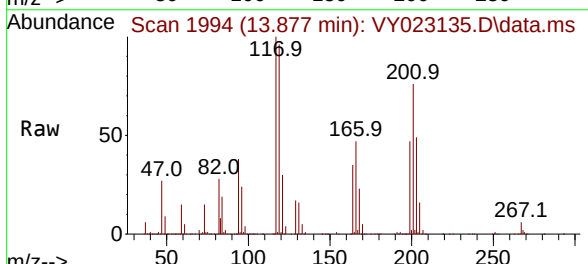
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

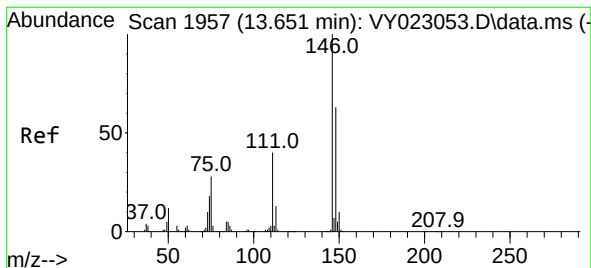
Tgt Ion: 91 Resp: 886753
Ion Ratio Lower Upper
91 100
92 53.0 26.9 80.7
134 25.7 13.2 39.5



#90
Hexachloroethane
Concen: 45.913 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. 0.006 min
Lab File: VY023135.D
Acq: 15 Aug 2025 19:06

Tgt Ion: 117 Resp: 193098
Ion Ratio Lower Upper
117 100
201 73.9 38.4 115.1





#91

1,2-Dichlorobenzene

Concen: 45.320 ug/l

RT: 13.651 min Scan# 1957

Delta R.T. 0.000 min

Lab File: VY023135.D

Acq: 15 Aug 2025 19:06

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

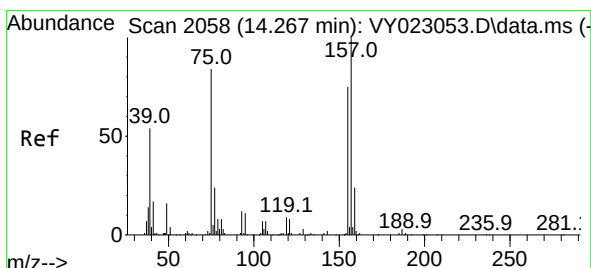
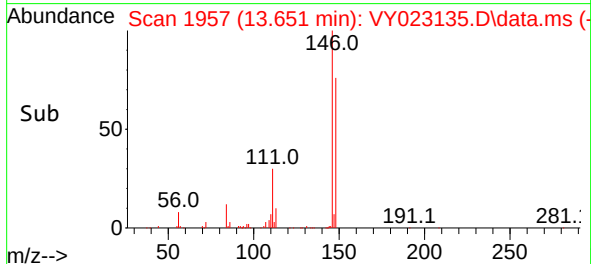
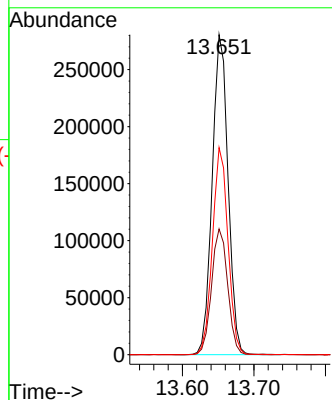
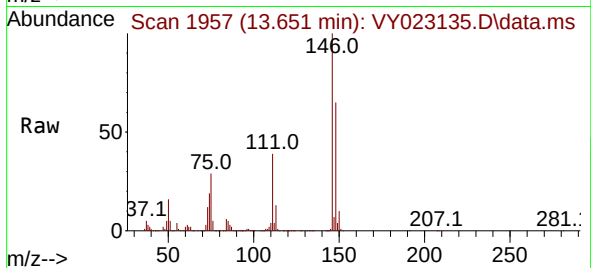
Tgt Ion:146 Resp: 431633

Ion Ratio Lower Upper

146 100

111 40.0 20.3 60.8

148 63.6 32.2 96.6



#92

1,2-Dibromo-3-Chloropropane

Concen: 42.044 ug/l

RT: 14.267 min Scan# 2058

Delta R.T. 0.000 min

Lab File: VY023135.D

Acq: 15 Aug 2025 19:06

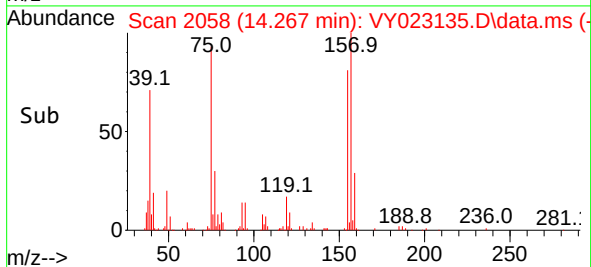
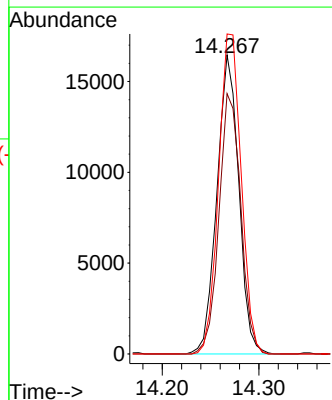
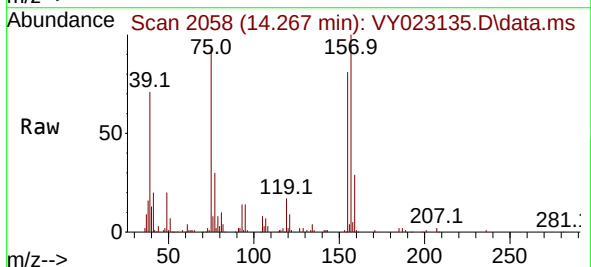
Tgt Ion: 75 Resp: 25801

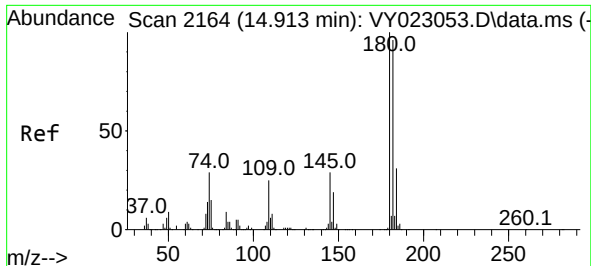
Ion Ratio Lower Upper

75 100

155 86.8 43.9 131.6

157 110.5 57.2 171.6

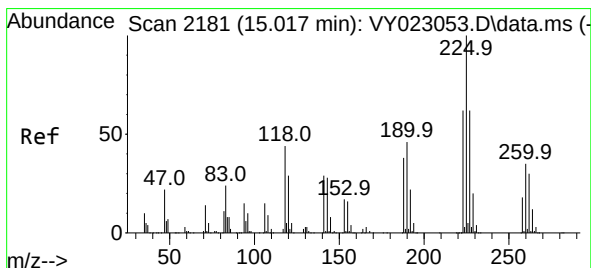
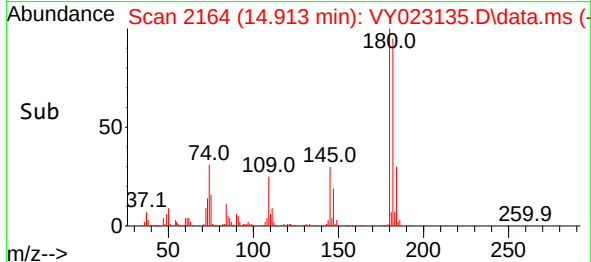
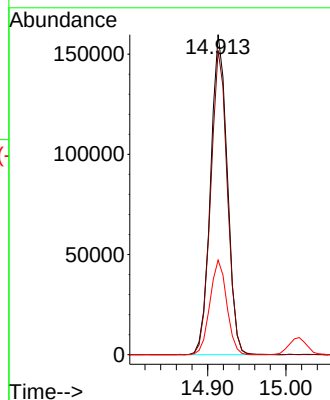
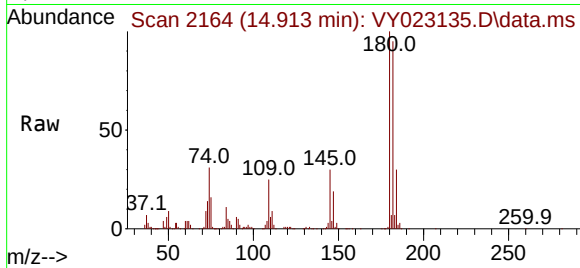




#93
 1,2,4-Trichlorobenzene
 Concen: 41.942 ug/l
 RT: 14.913 min Scan# 2164
 Delta R.T. 0.000 min
 Lab File: VY023135.D
 Acq: 15 Aug 2025 19:06

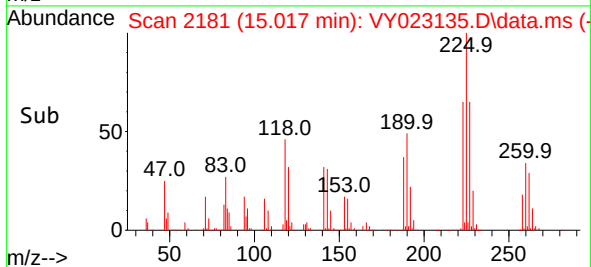
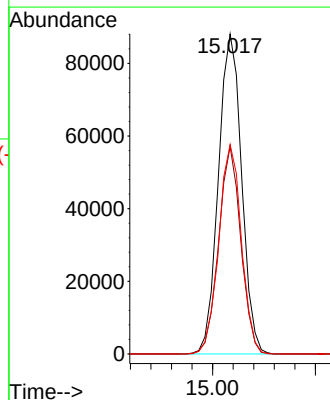
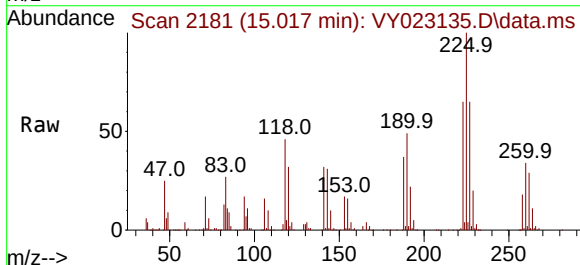
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

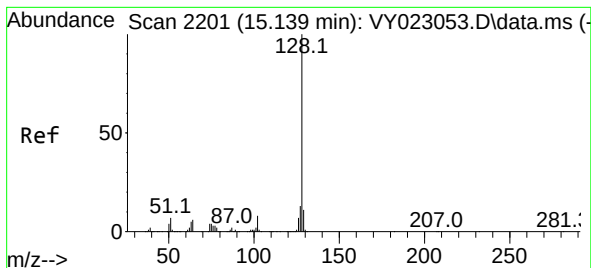
Tgt Ion:	180	Resp:	236226
Ion Ratio	Lower	Upper	
180	100		
182	94.4	46.8	140.4
145	29.7	14.4	43.4



#94
 Hexachlorobutadiene
 Concen: 41.632 ug/l
 RT: 15.017 min Scan# 2181
 Delta R.T. 0.000 min
 Lab File: VY023135.D
 Acq: 15 Aug 2025 19:06

Tgt Ion:	225	Resp:	137786
Ion Ratio	Lower	Upper	
225	100		
223	62.0	31.3	93.8
227	63.8	31.5	94.5

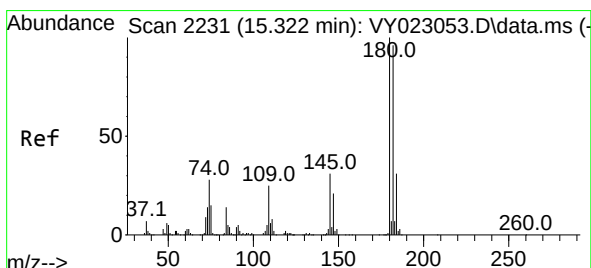
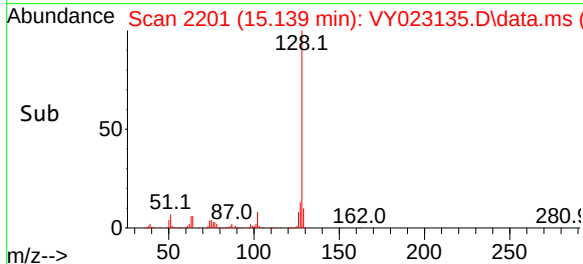
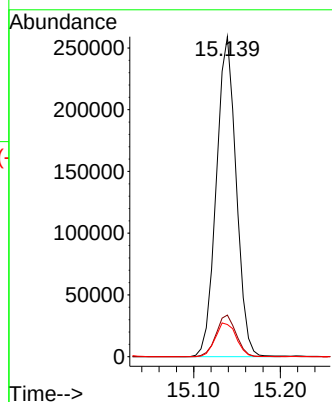
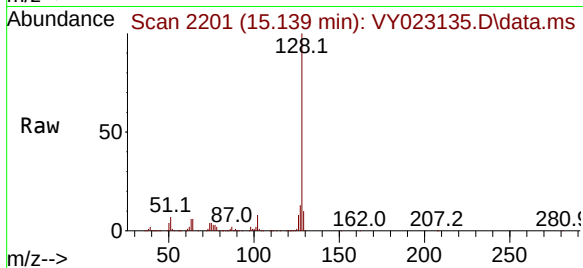




#95
Naphthalene
Concen: 43.007 ug/l
RT: 15.139 min Scan# 2201
Delta R.T. 0.000 min
Lab File: VY023135.D
Acq: 15 Aug 2025 19:06

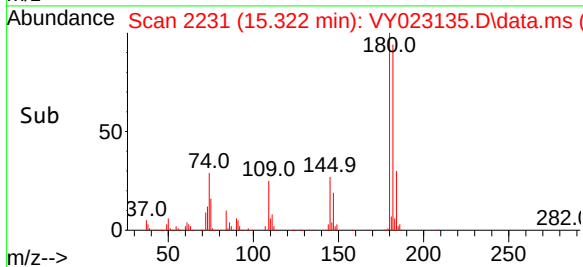
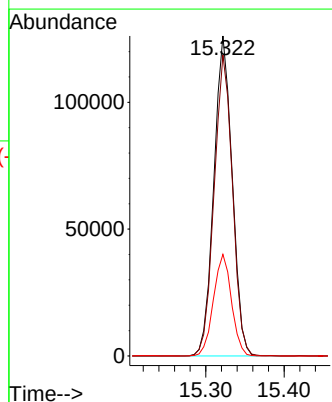
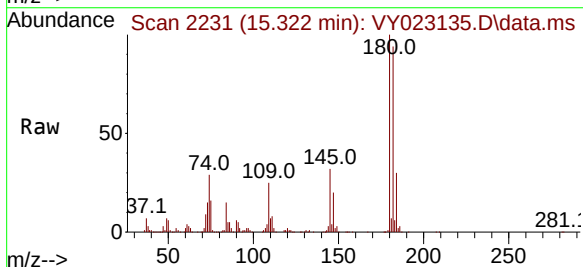
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:128 Resp: 413036
Ion Ratio Lower Upper
128 100
127 13.2 10.4 15.6
129 11.2 9.0 13.4



#96
1,2,3-Trichlorobenzene
Concen: 42.272 ug/l
RT: 15.322 min Scan# 2231
Delta R.T. 0.000 min
Lab File: VY023135.D
Acq: 15 Aug 2025 19:06

Tgt Ion:180 Resp: 205156
Ion Ratio Lower Upper
180 100
182 94.1 47.9 143.7
145 31.2 15.9 47.7



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081925\
 Data File : VY023137.D
 Acq On : 19 Aug 2025 09:11
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Quant Time: Aug 20 01:22:53 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 13 02:10:11 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	560294	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	876189	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	761785	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	392533	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	241668	45.256	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	90.520%
35) Dibromofluoromethane	7.634	113	256133	48.854	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.700%
50) Toluene-d8	10.109	98	1008048	49.217	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.440%
62) 4-Bromofluorobenzene	12.401	95	326827	49.618	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	99.240%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	190057	41.557	ug/l	98
3) Chloromethane	2.074	50	316334	42.705	ug/l	99
4) Vinyl Chloride	2.208	62	416548	45.491	ug/l	100
5) Bromomethane	2.598	94	324698	47.481	ug/l	99
6) Chloroethane	2.739	64	284191	46.683	ug/l	100
7) Trichlorofluoromethane	3.056	101	508922	45.708	ug/l	100
8) Diethyl Ether	3.458	74	135802	46.102	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.818	101	266790	48.569	ug/l	99
10) Methyl Iodide	4.007	142	325506	54.916	ug/l	98
11) Tert butyl alcohol	4.866	59	79834	218.191	ug/l	99
12) 1,1-Dichloroethene	3.793	96	267212	49.491	ug/l	90
13) Acrolein	3.653	56	60662	113.207	ug/l	93
14) Allyl chloride	4.385	41	361978	45.563	ug/l	96
15) Acrylonitrile	5.061	53	279904	233.725	ug/l	99
16) Acetone	3.866	43	316768	273.812	ug/l	99
17) Carbon Disulfide	4.110	76	811887	46.117	ug/l	100
18) Methyl Acetate	4.385	43	147420	42.821	ug/l	98
19) Methyl tert-butyl Ether	5.122	73	679197	48.545	ug/l	99
20) Methylene Chloride	4.616	84	287656	47.727	ug/l	95
21) trans-1,2-Dichloroethene	5.116	96	299764	49.404	ug/l	96
22) Diisopropyl ether	6.025	45	825090	47.793	ug/l	99
23) Vinyl Acetate	5.964	43	2298296	240.761	ug/l	100
24) 1,1-Dichloroethane	5.921	63	508733	48.199	ug/l	99
25) 2-Butanone	6.896	43	384462	244.351	ug/l	97
26) 2,2-Dichloropropane	6.890	77	468257	51.414	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	351019	50.042	ug/l	98
28) Bromochloromethane	7.244	49	186381	44.509	ug/l	95
29) Tetrahydrofuran	7.262	42	221133	226.737	ug/l	96
30) Chloroform	7.421	83	536519	49.287	ug/l	95
31) Cyclohexane	7.701	56	460210	46.269	ug/l	99
32) 1,1,1-Trichloroethane	7.616	97	483961	50.106	ug/l	100
36) 1,1-Dichloropropene	7.835	75	395952	50.818	ug/l	99
37) Ethyl Acetate	6.988	43	157126	48.006	ug/l	99
38) Carbon Tetrachloride	7.817	117	436510	51.581	ug/l	99
39) Methylcyclohexane	9.109	83	531826	51.832	ug/l	97
40) Benzene	8.079	78	1210380	50.401	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081925\
 Data File : VY023137.D
 Acq On : 19 Aug 2025 09:11
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Quant Time: Aug 20 01:22:53 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 13 02:10:11 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.219	41	75919	40.191	ug/l #	84
42) 1,2-Dichloroethane	8.158	62	300070	48.044	ug/l	100
43) Isopropyl Acetate	8.201	43	308955	46.703	ug/l #	84
44) Trichloroethene	8.866	130	319381	51.463	ug/l	100
45) 1,2-Dichloropropane	9.146	63	276520	50.044	ug/l	97
46) Dibromomethane	9.231	93	157422	49.637	ug/l	99
47) Bromodichloromethane	9.426	83	406246	49.781	ug/l	97
48) Methyl methacrylate	9.219	41	152020	48.023	ug/l	97
49) 1,4-Dioxane	9.231	88	34759	934.713	ug/l	97
51) 4-Methyl-2-Pentanone	9.999	43	822061	240.906	ug/l	98
52) Toluene	10.170	92	788070	51.669	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	377708	51.112	ug/l	100
54) cis-1,3-Dichloropropene	9.859	75	441435	50.516	ug/l	99
55) 1,1,2-Trichloroethane	10.573	97	213063	50.206	ug/l	97
56) Ethyl methacrylate	10.438	69	276182	50.859	ug/l	99
57) 1,3-Dichloropropane	10.719	76	354628	49.273	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	622022	242.835	ug/l	97
59) 2-Hexanone	10.762	43	592202	254.865	ug/l	98
60) Dibromochloromethane	10.914	129	285374	50.963	ug/l	99
61) 1,2-Dibromoethane	11.018	107	201073	50.411	ug/l	100
64) Tetrachloroethene	10.646	164	342427	50.340	ug/l	98
65) Chlorobenzene	11.444	112	858367	52.238	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.517	131	295011	52.900	ug/l	99
67) Ethyl Benzene	11.517	91	1494465	52.850	ug/l	99
68) m/p-Xylenes	11.627	106	1186104	107.397	ug/l	98
69) o-Xylene	11.956	106	557951	53.940	ug/l	100
70) Styrene	11.969	104	930498	55.007	ug/l	98
71) Bromoform	12.133	173	166298	51.022	ug/l	99
73) Isopropylbenzene	12.255	105	1455261	52.528	ug/l	99
74) N-amyl acetate	12.072	43	285441	48.584	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.505	83	230085	48.639	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	307699	81.222	ug/l #	100
77) Bromobenzene	12.529	156	336874	50.968	ug/l	97
78) n-propylbenzene	12.597	91	1741756	52.806	ug/l	99
79) 2-Chlorotoluene	12.676	91	975057	51.594	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	1191826	53.229	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	77577	49.570	ug/l	98
82) 4-Chlorotoluene	12.773	91	1000547	51.036	ug/l	99
83) tert-Butylbenzene	12.993	119	1091125	53.956	ug/l	98
84) 1,2,4-Trimethylbenzene	13.042	105	1191535	53.459	ug/l	100
85) sec-Butylbenzene	13.176	105	1594423	53.673	ug/l	100
86) p-Isopropyltoluene	13.292	119	1357746	55.063	ug/l	100
87) 1,3-Dichlorobenzene	13.285	146	680781	52.231	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	663039	51.281	ug/l	99
89) n-Butylbenzene	13.615	91	1231645	54.384	ug/l	99
90) Hexachloroethane	13.877	117	264268	52.354	ug/l	100
91) 1,2-Dichlorobenzene	13.657	146	588570	51.489	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	34676	47.081	ug/l	97
93) 1,2,4-Trichlorobenzene	14.919	180	345818	51.158	ug/l	99
94) Hexachlorobutadiene	15.023	225	202124	50.885	ug/l	99
95) Naphthalene	15.145	128	590257	51.208	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	288433	49.517	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081925\
Data File : VY023137.D
Acq On : 19 Aug 2025 09:11
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Quant Time: Aug 20 01:22:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

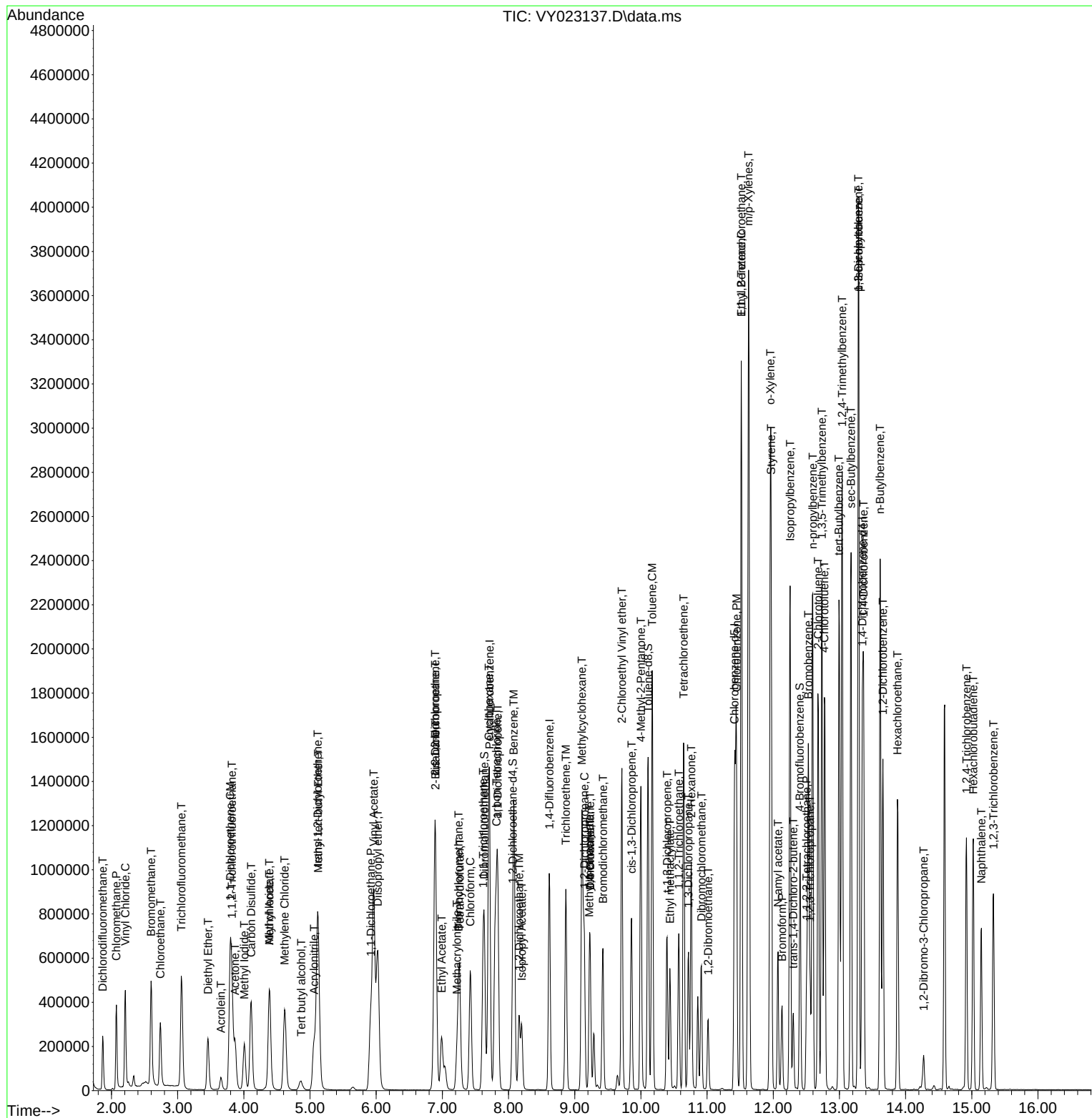
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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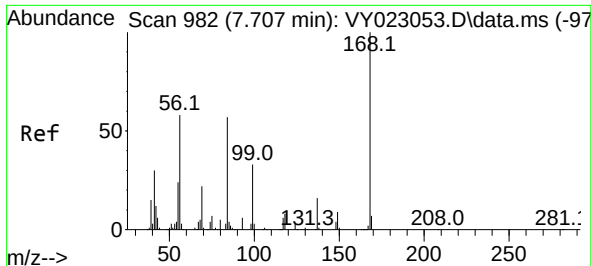
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081925\
Data File : VY023137.D
Acq On : 19 Aug 2025 09:11
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Quant Time: Aug 20 01:22:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

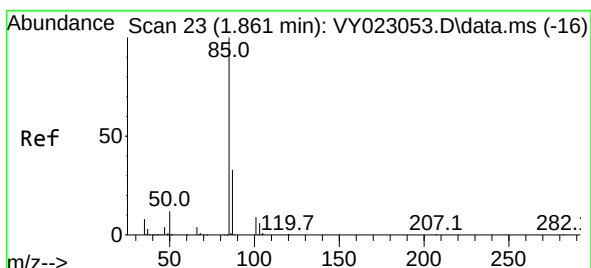
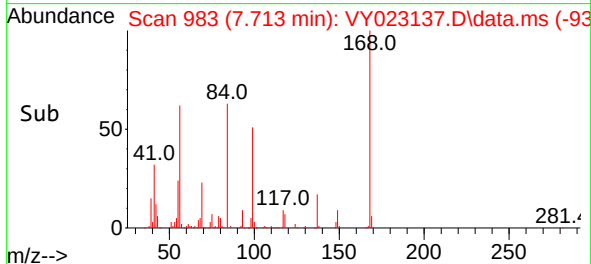
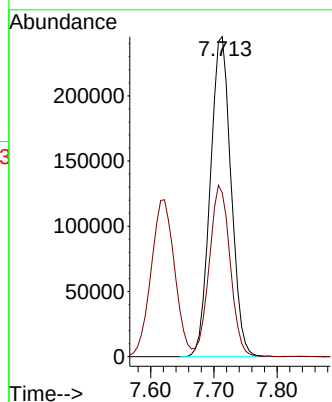
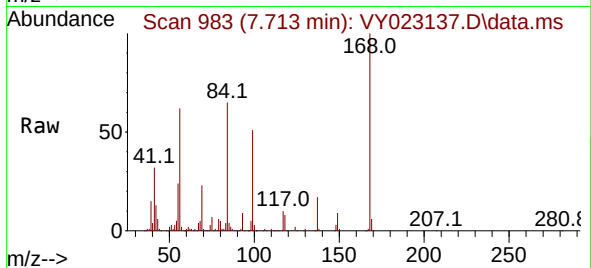




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

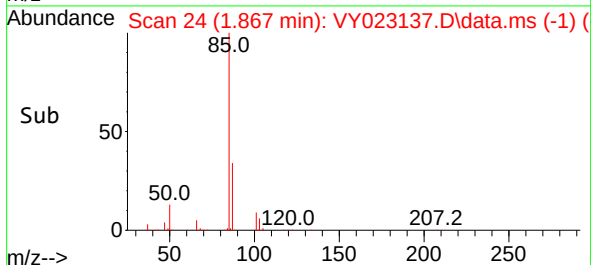
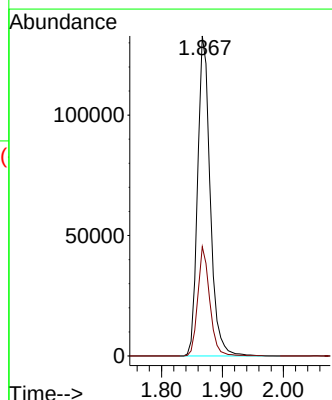
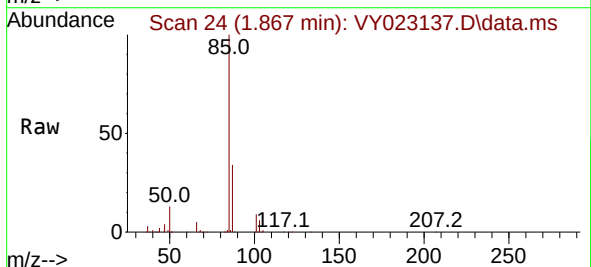
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

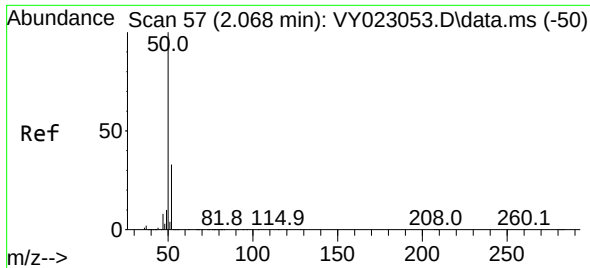
Tgt Ion:168 Resp: 560294
Ion Ratio Lower Upper
168 100
99 51.1 42.8 64.2



#2
Dichlorodifluoromethane
Concen: 41.557 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Tgt Ion: 85 Resp: 190057
Ion Ratio Lower Upper
85 100
87 34.2 16.6 49.8

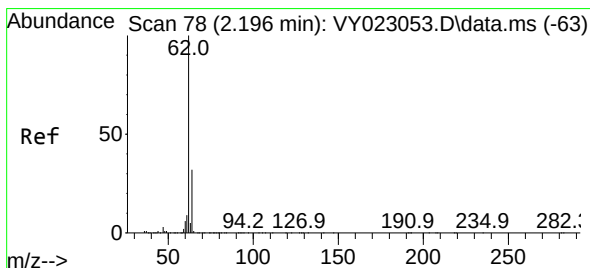
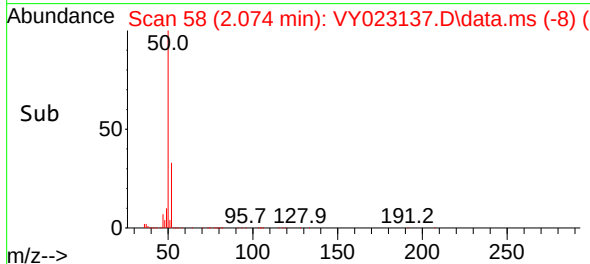
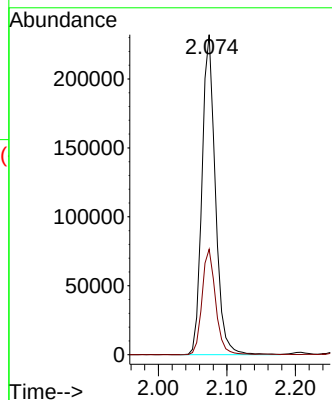
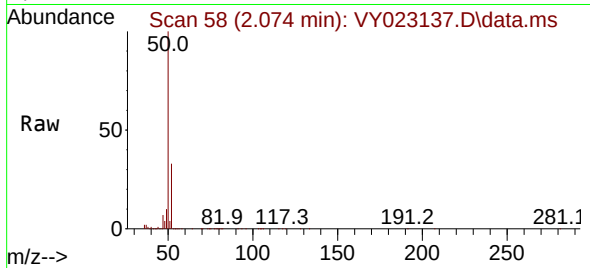




#3
Chloromethane
Concen: 42.705 ug/l
RT: 2.074 min Scan# 50
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

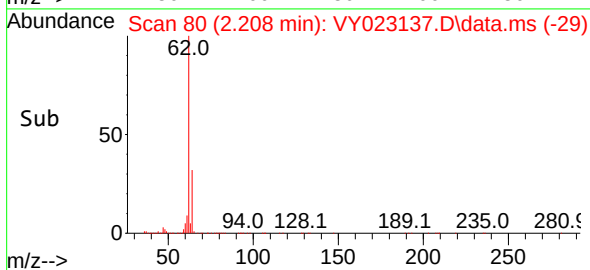
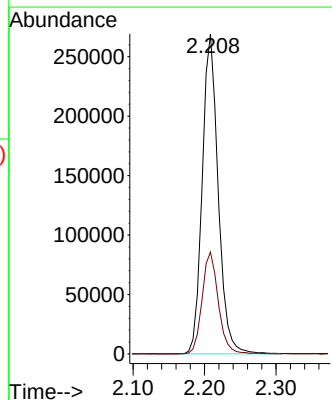
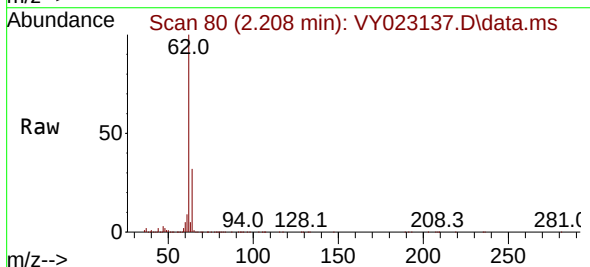
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

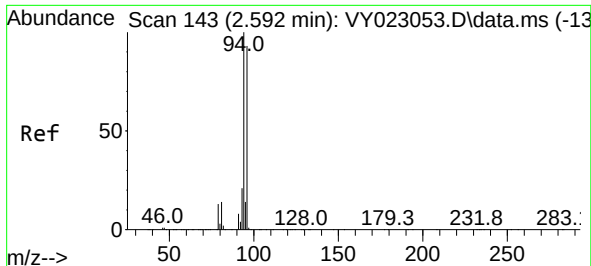
Tgt Ion: 50 Resp: 316334
Ion Ratio Lower Upper
50 100
52 33.0 26.7 40.1



#4
Vinyl Chloride
Concen: 45.491 ug/l
RT: 2.208 min Scan# 80
Delta R.T. 0.012 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Tgt Ion: 62 Resp: 416548
Ion Ratio Lower Upper
62 100
64 31.8 25.4 38.0

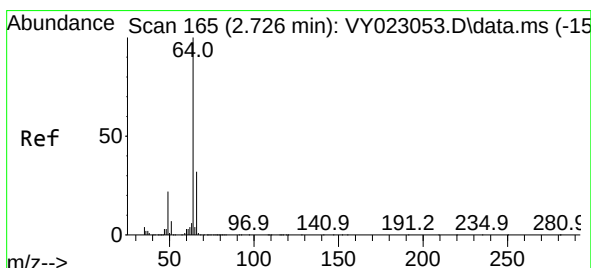
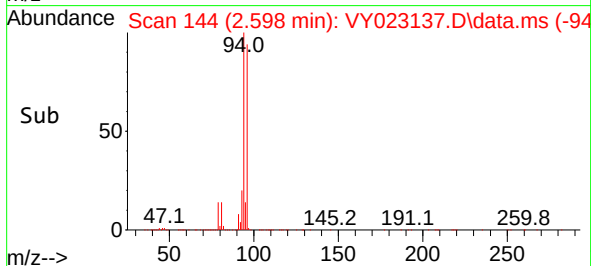
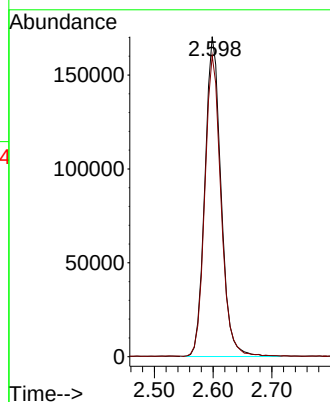
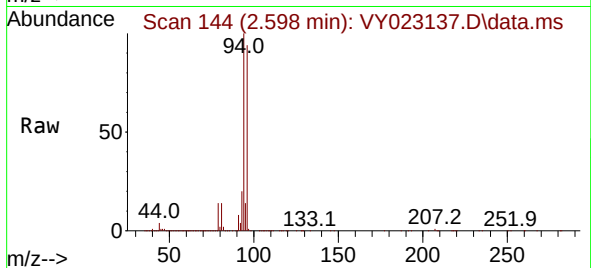




#5
Bromomethane
Concen: 47.481 ug/l
RT: 2.598 min Scan# 143
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

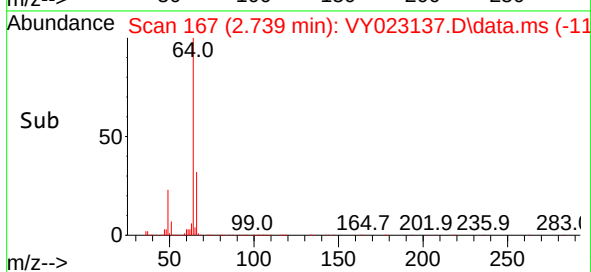
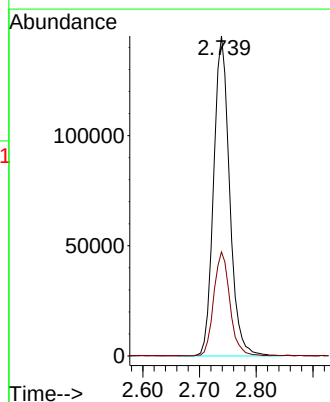
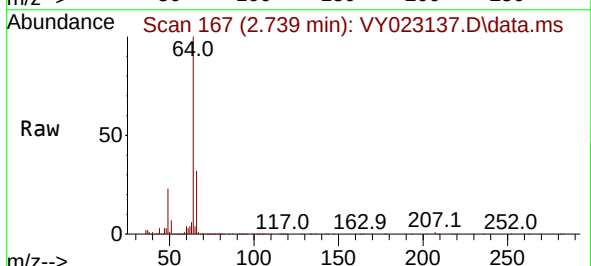
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

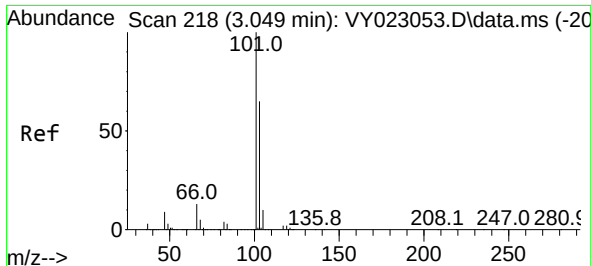
Tgt Ion: 94 Resp: 324698
Ion Ratio Lower Upper
94 100
96 94.0 74.6 112.0



#6
Chloroethane
Concen: 46.683 ug/l
RT: 2.739 min Scan# 167
Delta R.T. 0.012 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Tgt Ion: 64 Resp: 284191
Ion Ratio Lower Upper
64 100
66 32.4 25.8 38.6

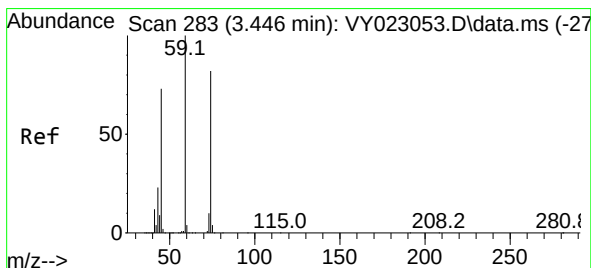
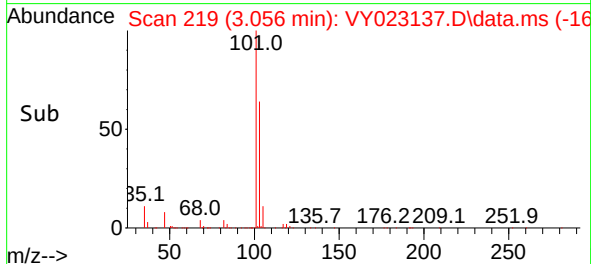
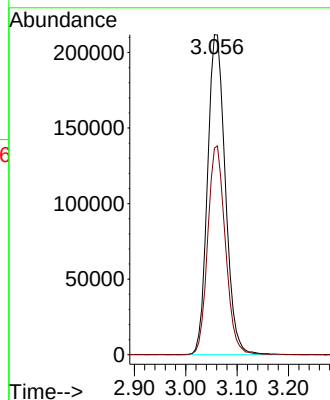
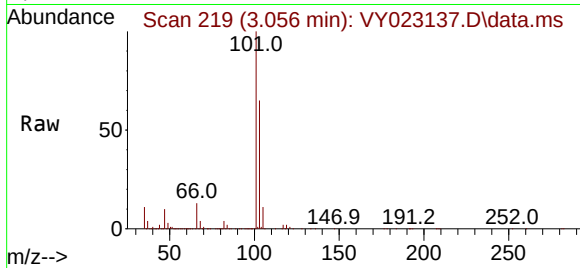




#7
Trichlorofluoromethane
Concen: 45.708 ug/l
RT: 3.056 min Scan# 218
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

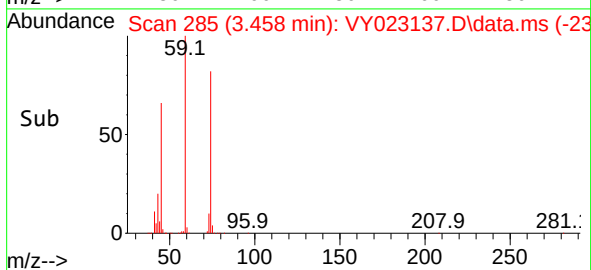
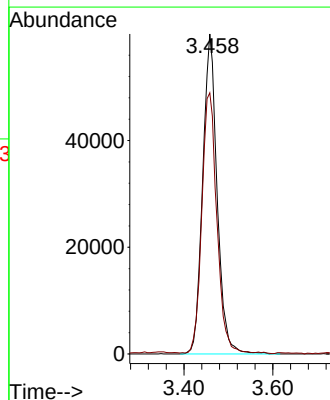
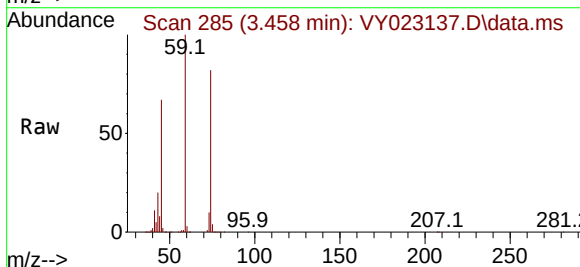
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

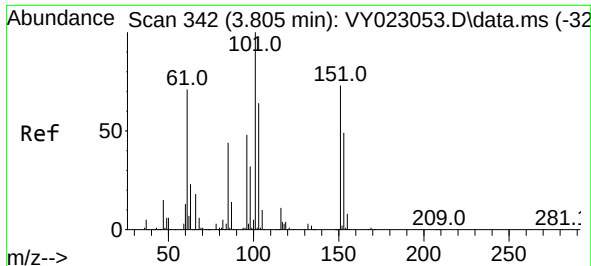
Tgt Ion:101 Resp: 508922
Ion Ratio Lower Upper
101 100
103 64.6 51.9 77.9



#8
Diethyl Ether
Concen: 46.102 ug/l
RT: 3.458 min Scan# 285
Delta R.T. 0.012 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Tgt Ion: 74 Resp: 135802
Ion Ratio Lower Upper
74 100
45 84.4 44.4 133.2

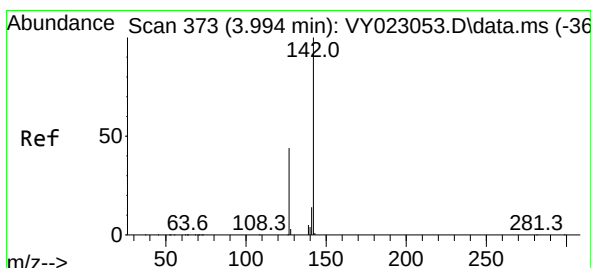
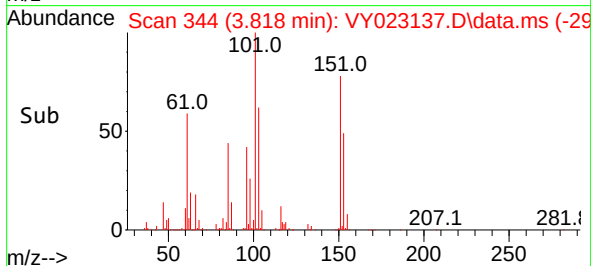
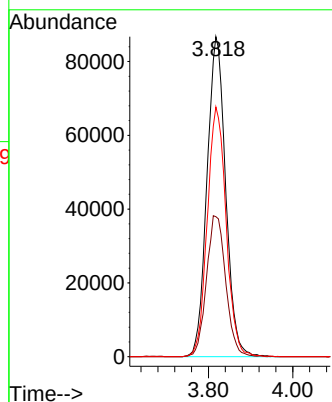
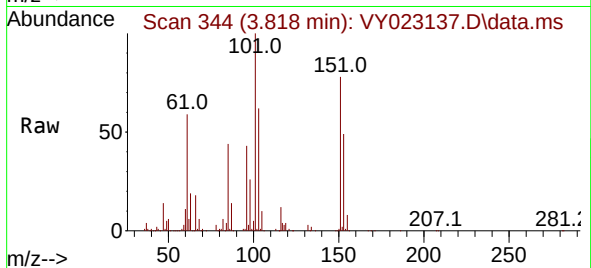




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 48.569 ug/l
 RT: 3.818 min Scan# 342
 Delta R.T. 0.012 min
 Lab File: VY023137.D
 Acq: 19 Aug 2025 09:11

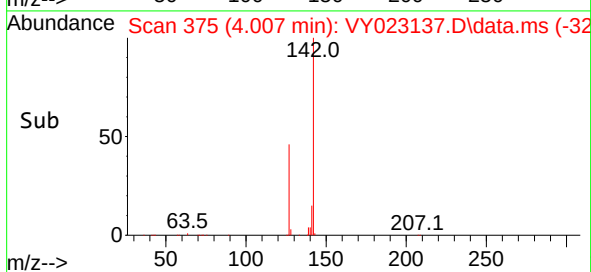
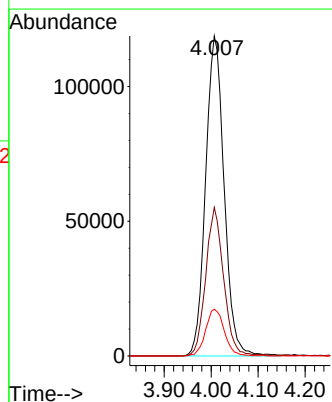
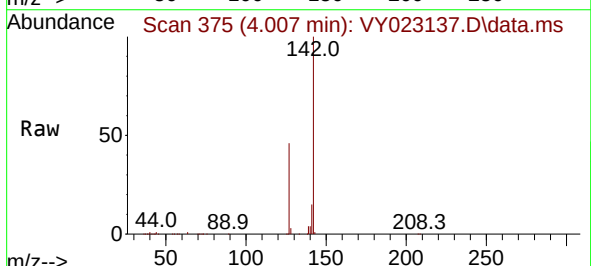
Instrument :
 MSVOA_Y
 ClientSampleId :
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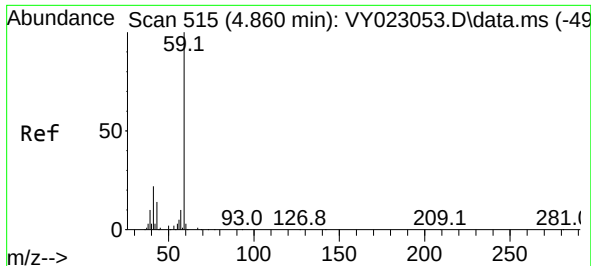
Tgt Ion:101 Resp: 266790
 Ion Ratio Lower Upper
 101 100
 85 45.5 36.3 54.5
 151 78.8 61.5 92.3



#10
 Methyl Iodide
 Concen: 54.916 ug/l
 RT: 4.007 min Scan# 375
 Delta R.T. 0.012 min
 Lab File: VY023137.D
 Acq: 19 Aug 2025 09:11

Tgt Ion:142 Resp: 325506
 Ion Ratio Lower Upper
 142 100
 127 44.6 34.9 52.3
 141 14.7 11.3 16.9

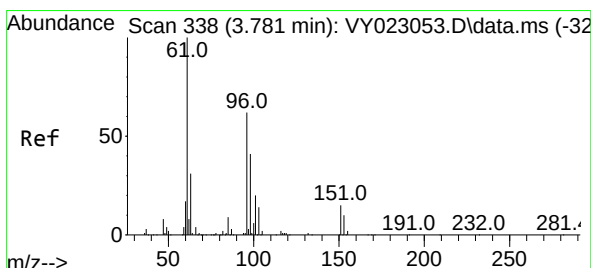
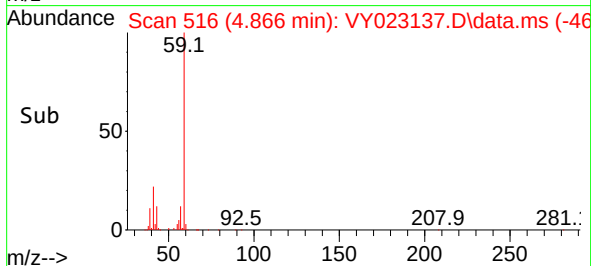
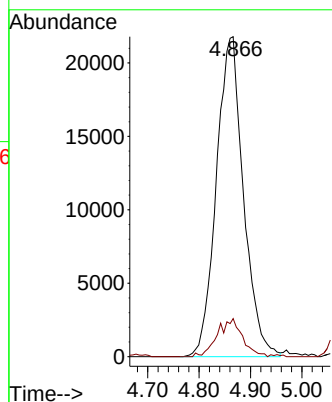
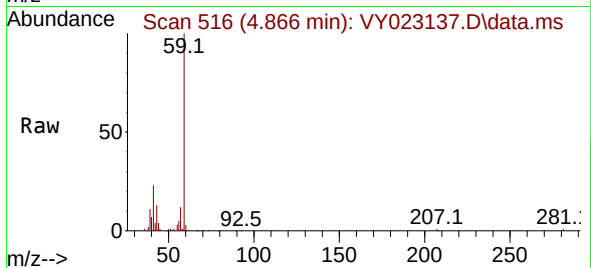




#11
Tert butyl alcohol
Concen: 218.191 ug/l
RT: 4.866 min Scan# 515
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

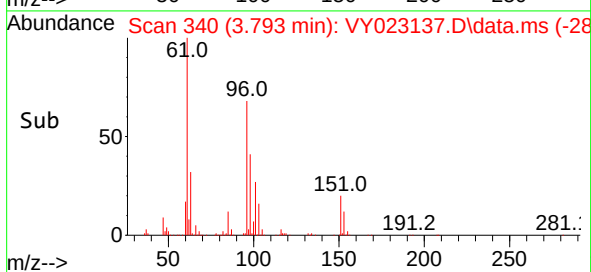
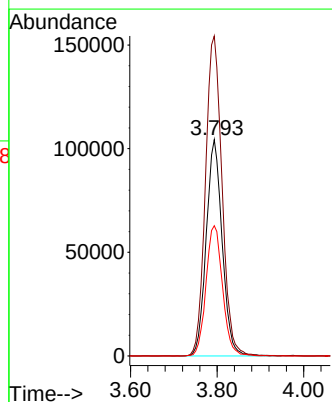
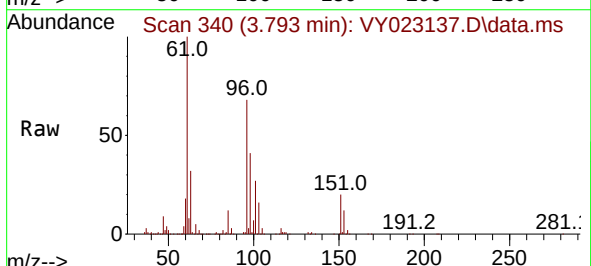
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

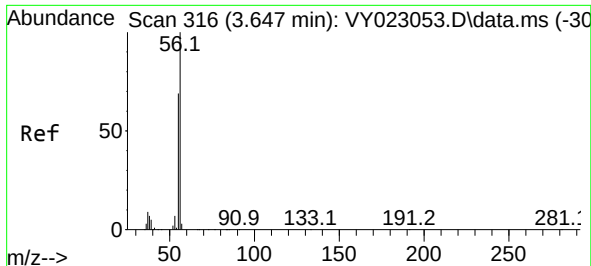
Tgt Ion: 59 Resp: 79834
Ion Ratio Lower Upper
59 100
57 11.0 8.6 13.0



#12
1,1-Dichloroethene
Concen: 49.491 ug/l
RT: 3.793 min Scan# 340
Delta R.T. 0.012 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Tgt Ion: 96 Resp: 267212
Ion Ratio Lower Upper
96 100
61 148.0 129.4 194.2
98 60.2 52.8 79.2

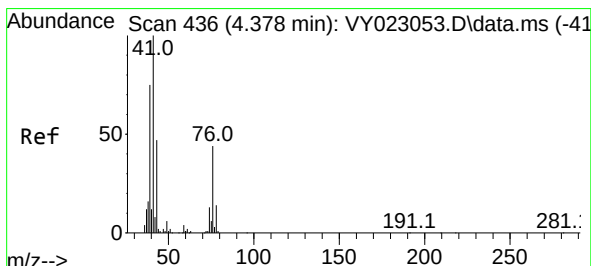
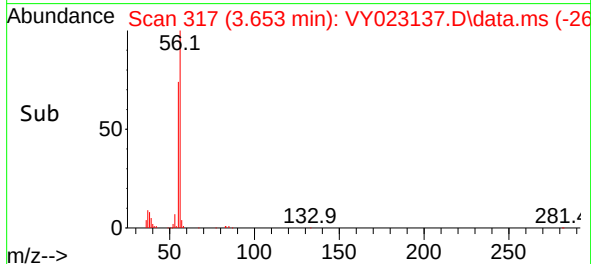
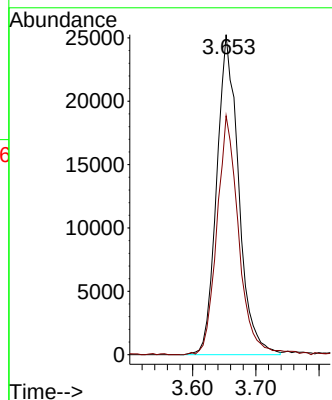
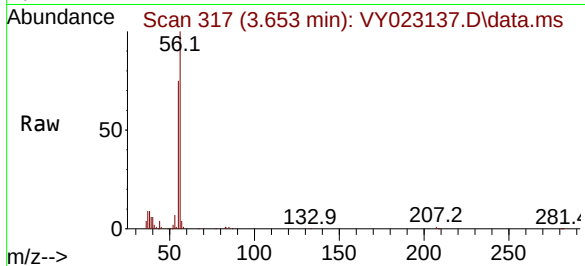




#13
Acrolein
Concen: 113.207 ug/l
RT: 3.653 min Scan# 316
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

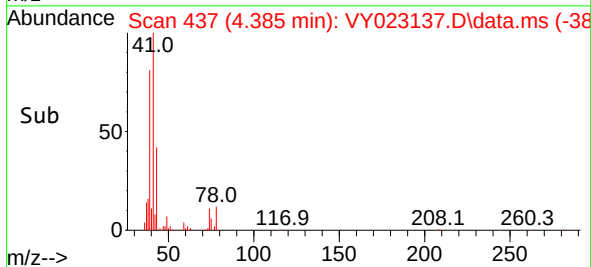
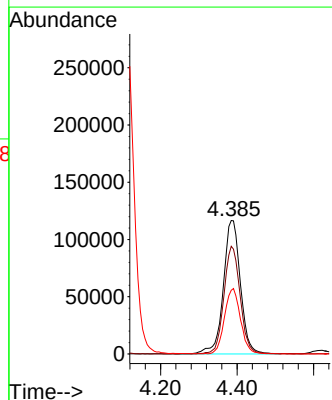
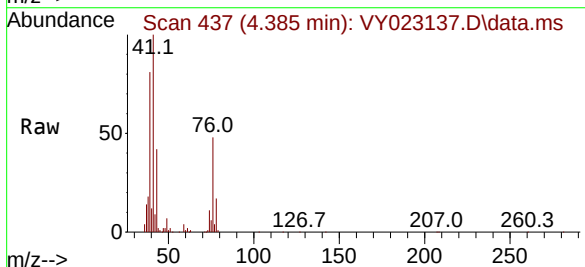
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

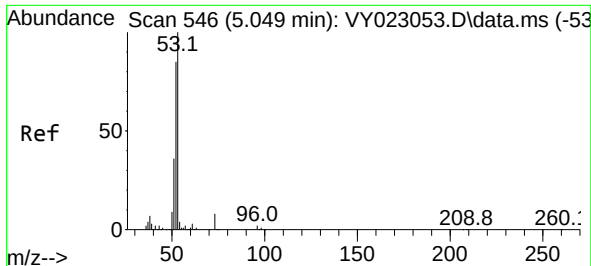
Tgt Ion: 56 Resp: 60662
Ion Ratio Lower Upper
56 100
55 74.5 55.2 82.8



#14
Allyl chloride
Concen: 45.563 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Tgt Ion: 41 Resp: 361978
Ion Ratio Lower Upper
41 100
39 76.6 59.8 89.6
76 46.0 33.7 50.5

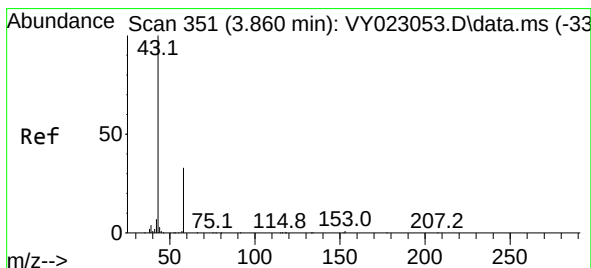
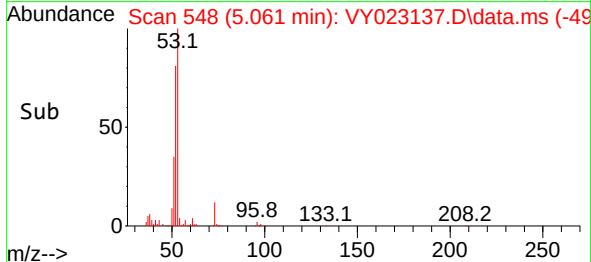
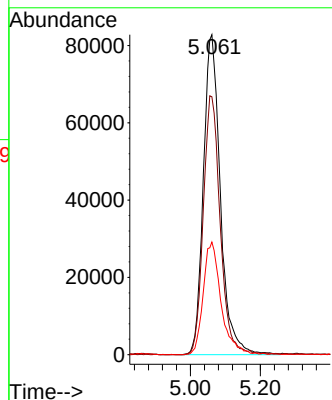
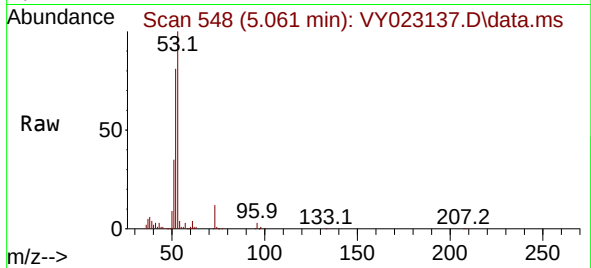




#15
Acrylonitrile
Concen: 233.725 ug/l
RT: 5.061 min Scan# 54
Delta R.T. 0.012 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

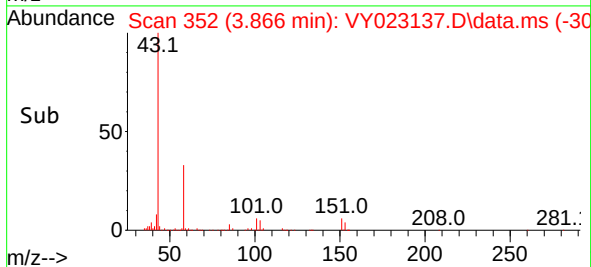
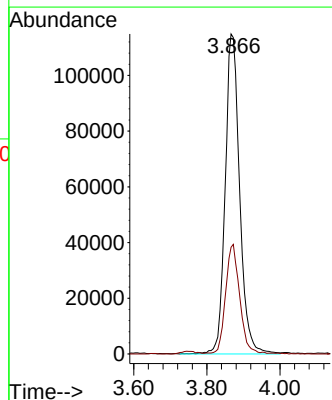
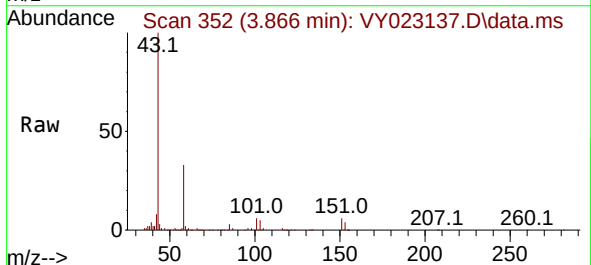
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

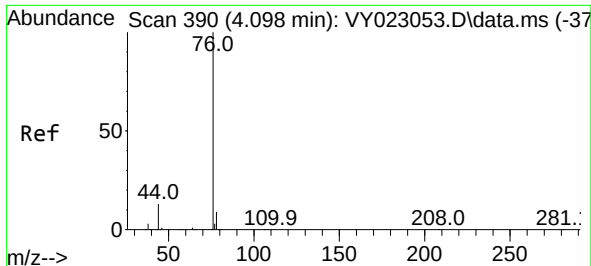
Tgt Ion: 53 Resp: 279904
Ion Ratio Lower Upper
53 100
52 80.2 65.3 97.9
51 36.9 29.5 44.3



#16
Acetone
Concen: 273.812 ug/l
RT: 3.866 min Scan# 352
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Tgt Ion: 43 Resp: 316768
Ion Ratio Lower Upper
43 100
58 33.2 27.1 40.7

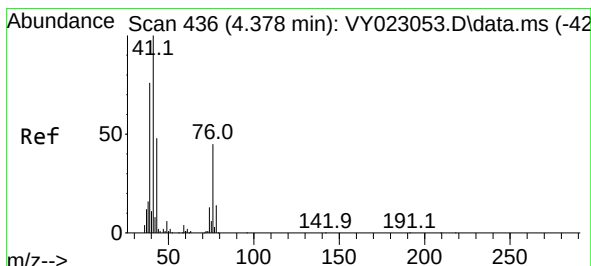
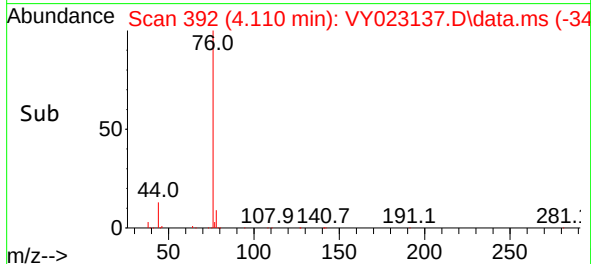
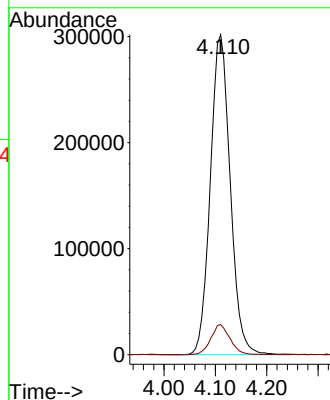
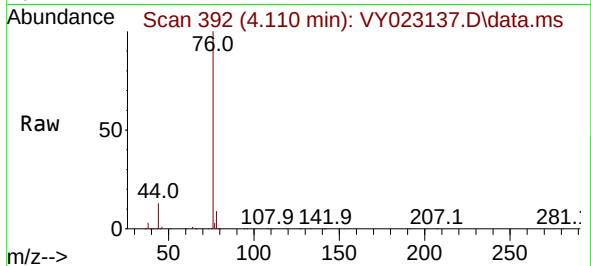




#17
Carbon Disulfide
Concen: 46.117 ug/l
RT: 4.110 min Scan# 391
Delta R.T. 0.012 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

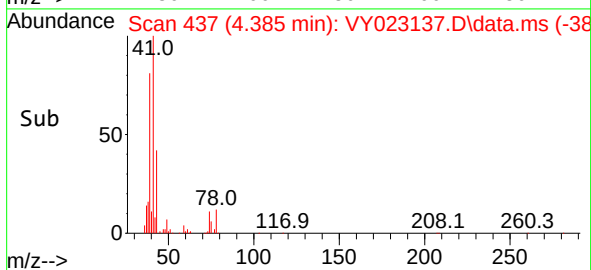
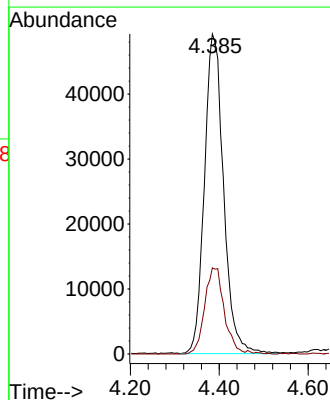
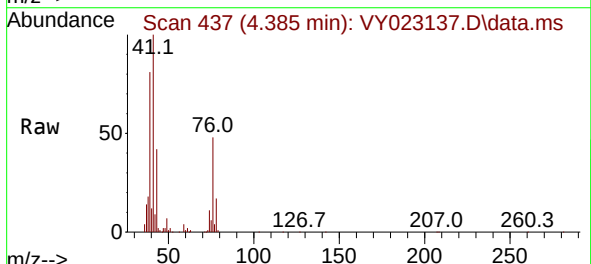
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

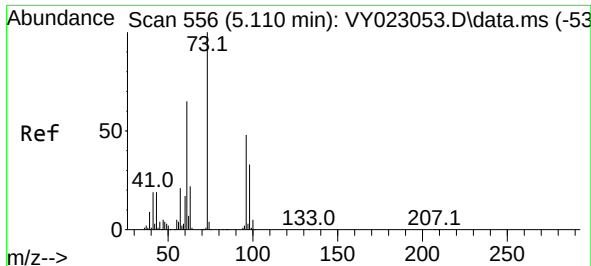
Tgt Ion: 76 Resp: 811887
Ion Ratio Lower Upper
76 100
78 9.4 7.4 11.2



#18
Methyl Acetate
Concen: 42.821 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Tgt Ion: 43 Resp: 147420
Ion Ratio Lower Upper
43 100
74 27.3 21.2 31.8

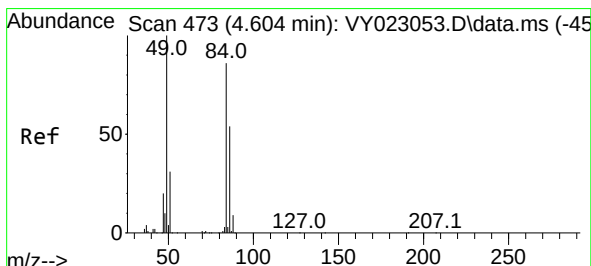
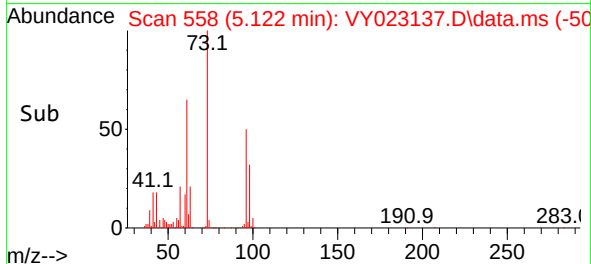
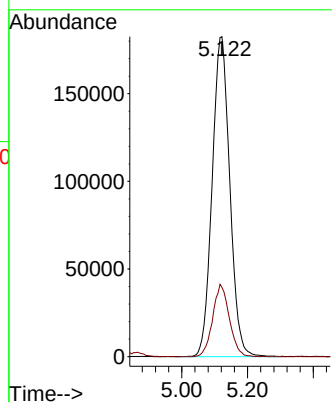
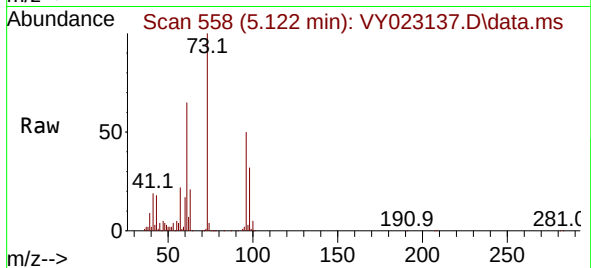




#19
Methyl tert-butyl Ether
Concen: 48.545 ug/l
RT: 5.122 min Scan# 51
Delta R.T. 0.012 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

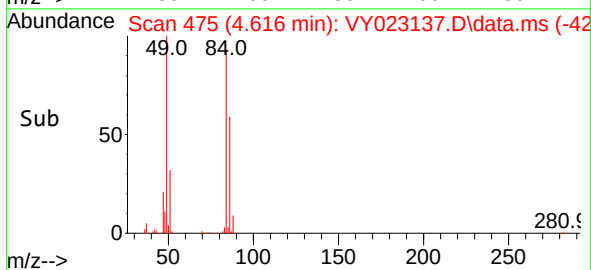
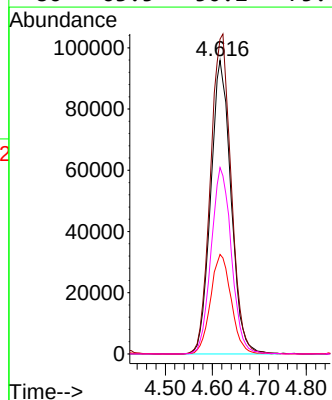
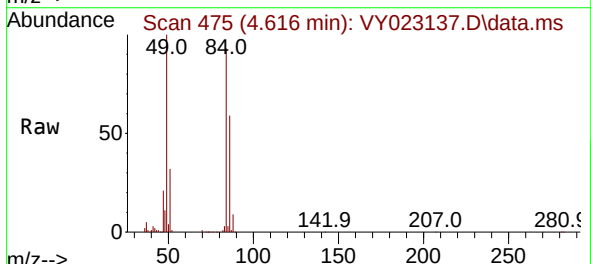
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

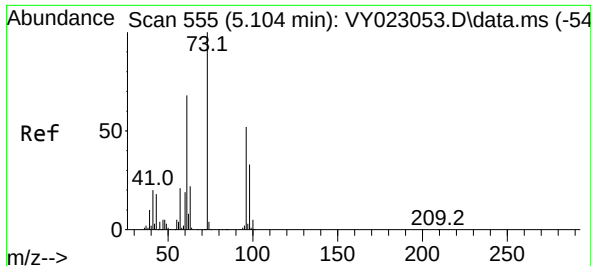
Tgt Ion: 73 Resp: 679197
Ion Ratio Lower Upper
73 100
57 21.7 17.1 25.7



#20
Methylene Chloride
Concen: 47.727 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.012 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Tgt Ion: 84 Resp: 287656
Ion Ratio Lower Upper
84 100
49 107.3 93.0 139.6
51 33.9 29.0 43.4
86 63.5 50.2 75.4

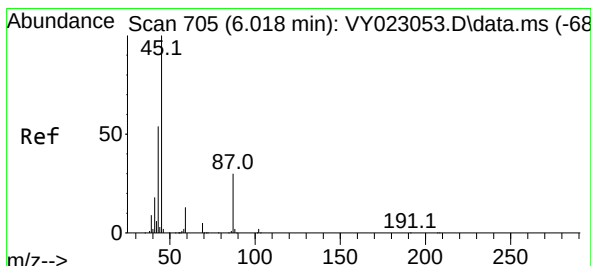
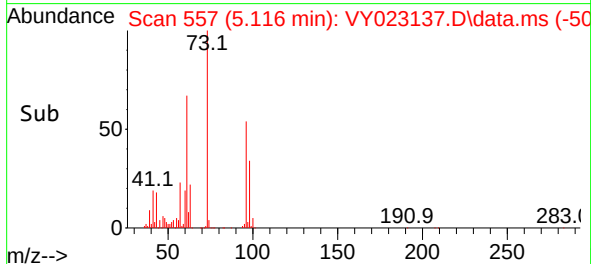
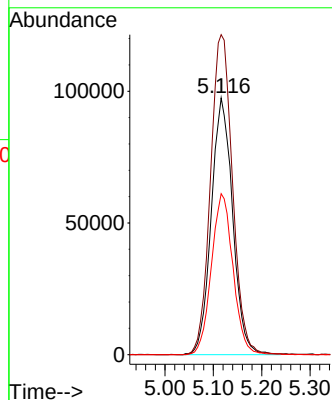
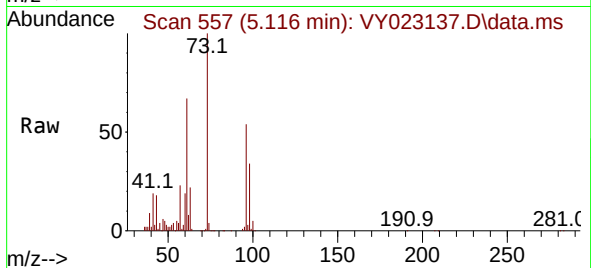




#21
trans-1,2-Dichloroethene
Concen: 49.404 ug/l
RT: 5.116 min Scan# 51
Delta R.T. 0.012 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

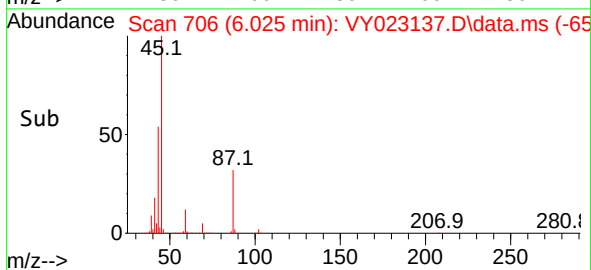
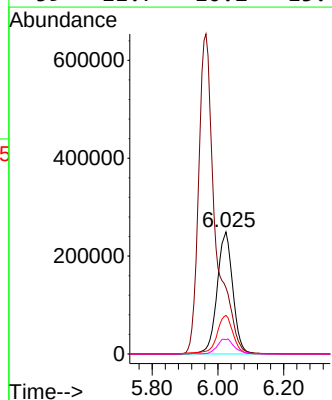
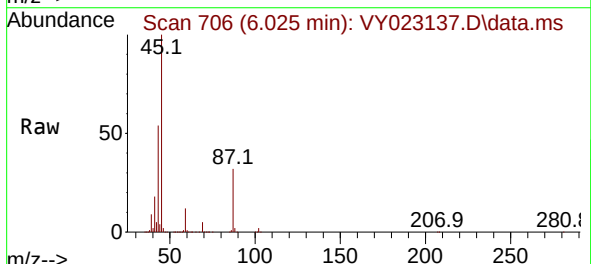
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

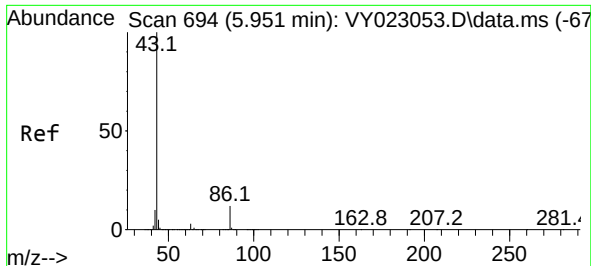
Tgt Ion: 96 Resp: 299764
Ion Ratio Lower Upper
96 100
61 124.6 104.8 157.2
98 62.6 50.1 75.1



#22
Diisopropyl ether
Concen: 47.793 ug/l
RT: 6.025 min Scan# 706
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Tgt Ion: 45 Resp: 825090
Ion Ratio Lower Upper
45 100
43 54.3 43.4 65.0
87 31.6 24.4 36.6
59 11.7 10.2 15.4

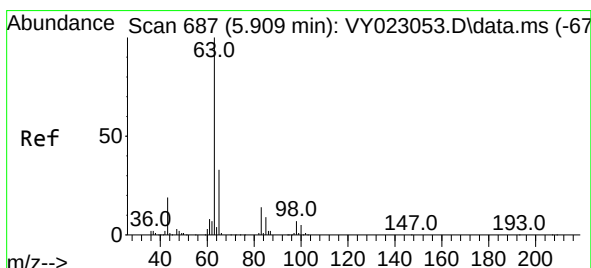
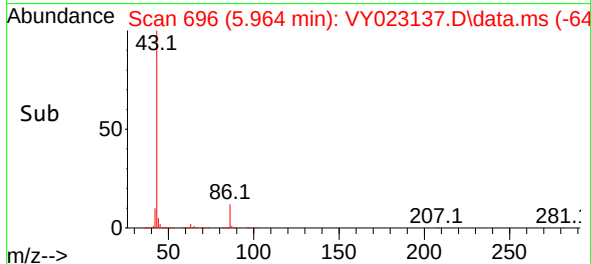
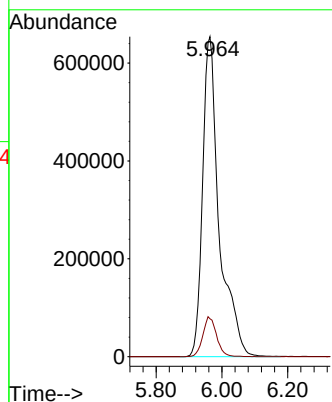
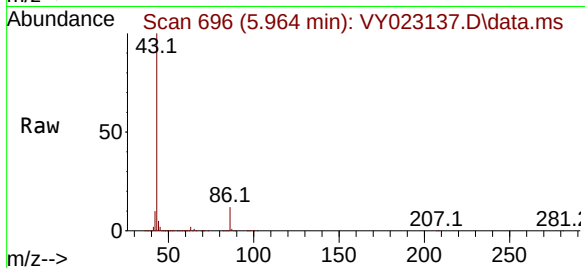




#23
 Vinyl Acetate
 Concen: 240.761 ug/l
 RT: 5.964 min Scan# 694
 Delta R.T. 0.012 min
 Lab File: VY023137.D
 Acq: 19 Aug 2025 09:11

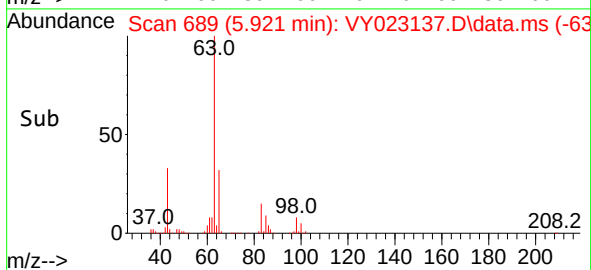
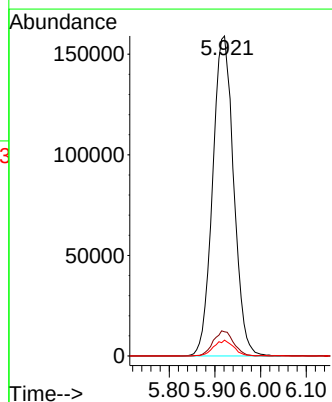
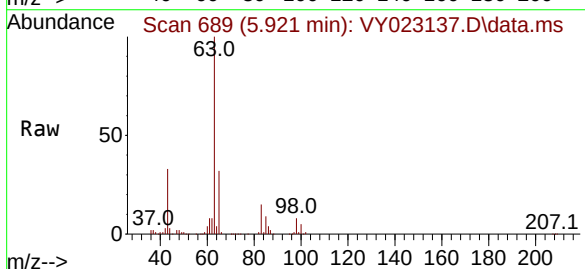
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

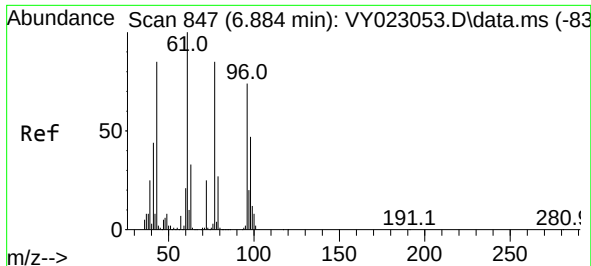
Tgt Ion: 43 Resp: 2298296
 Ion Ratio Lower Upper
 43 100
 86 11.9 9.6 14.4



#24
 1,1-Dichloroethane
 Concen: 48.199 ug/l
 RT: 5.921 min Scan# 689
 Delta R.T. 0.012 min
 Lab File: VY023137.D
 Acq: 19 Aug 2025 09:11

Tgt Ion: 63 Resp: 508733
 Ion Ratio Lower Upper
 63 100
 98 7.6 3.5 10.6
 100 5.0 2.4 7.1





#25

2-Butanone

Concen: 244.351 ug/l

RT: 6.896 min Scan# 84

Delta R.T. 0.012 min

Lab File: VY023137.D

Acq: 19 Aug 2025 09:11

Instrument :

MSVOA_Y

ClientSampleId :

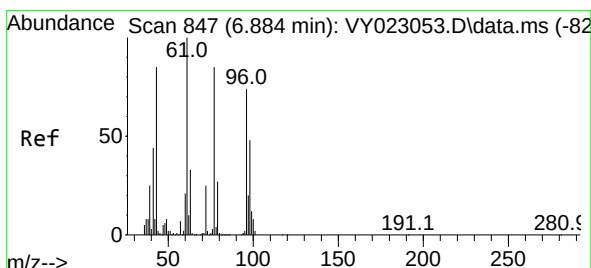
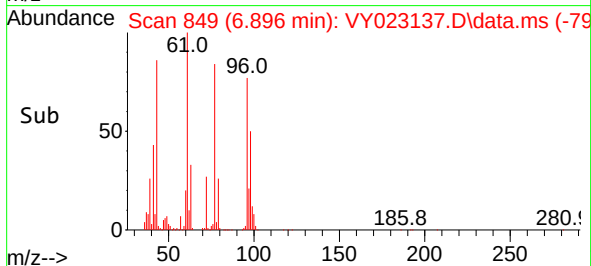
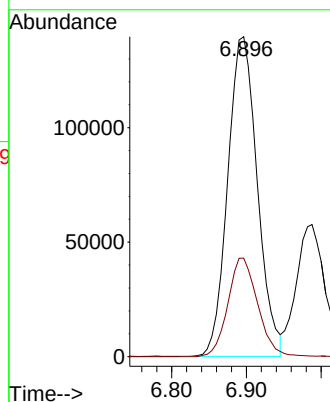
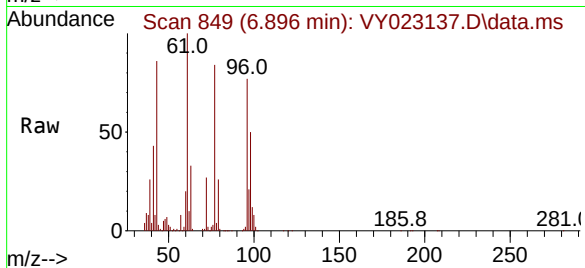
VSTDCCC050

Tgt Ion: 43 Resp: 384462

Ion Ratio Lower Upper

43 100

72 30.8 23.5 35.3



#26

2,2-Dichloropropane

Concen: 51.414 ug/l

RT: 6.890 min Scan# 848

Delta R.T. 0.006 min

Lab File: VY023137.D

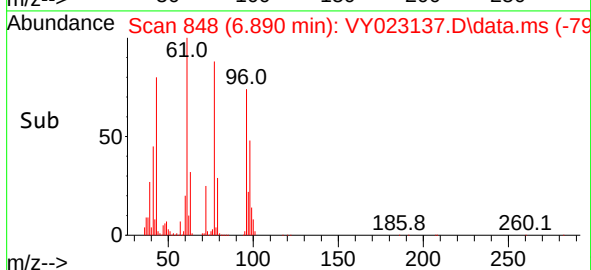
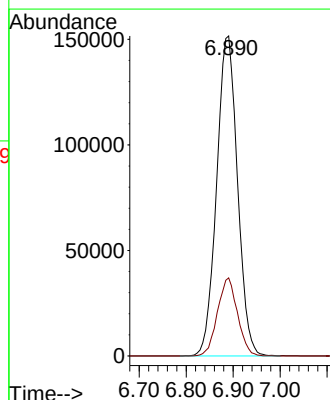
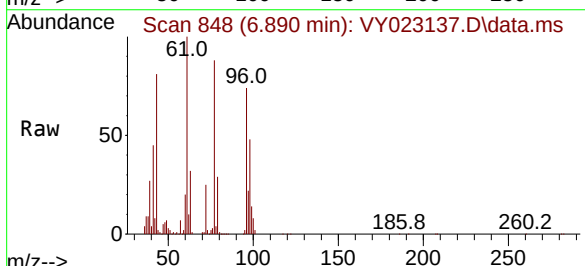
Acq: 19 Aug 2025 09:11

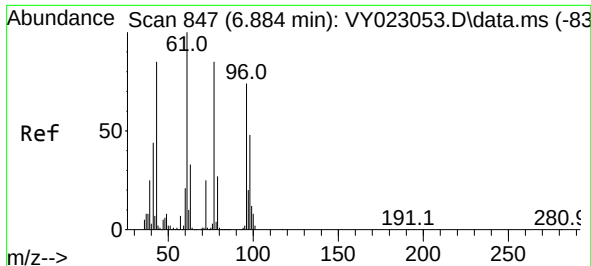
Tgt Ion: 77 Resp: 468257

Ion Ratio Lower Upper

77 100

97 23.4 11.6 34.8





#27

cis-1,2-Dichloroethene

Concen: 50.042 ug/l

RT: 6.890 min Scan# 847

Delta R.T. 0.006 min

Lab File: VY023137.D

Acq: 19 Aug 2025 09:11

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

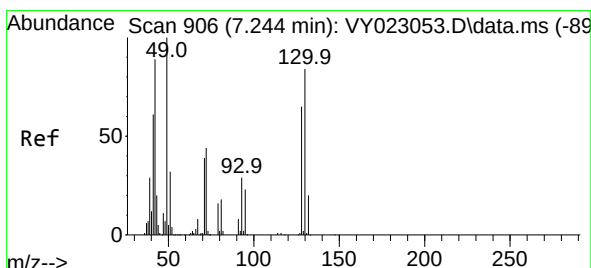
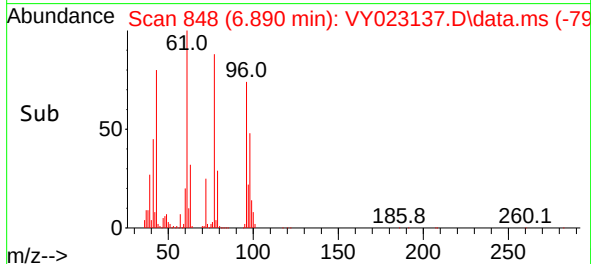
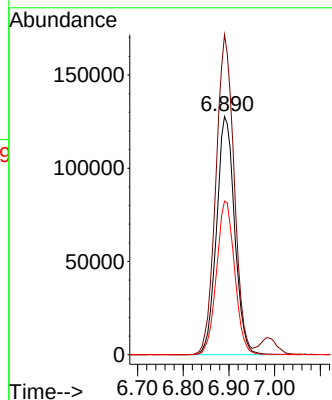
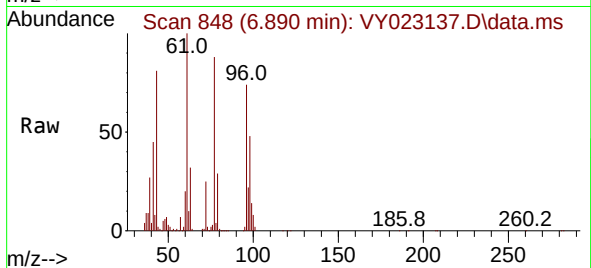
Tgt Ion: 96 Resp: 351019

Ion Ratio Lower Upper

96 100

61 135.5 0.0 278.6

98 64.8 0.0 130.4



#28

Bromochloromethane

Concen: 44.509 ug/l

RT: 7.244 min Scan# 906

Delta R.T. 0.000 min

Lab File: VY023137.D

Acq: 19 Aug 2025 09:11

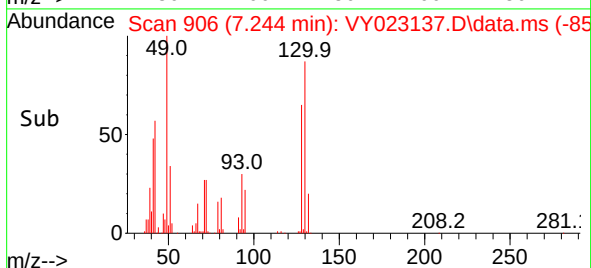
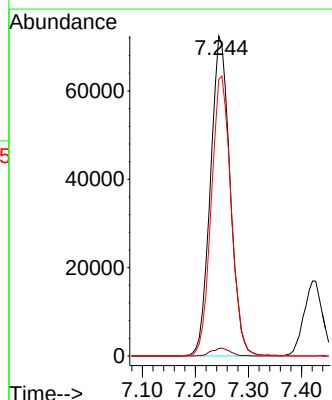
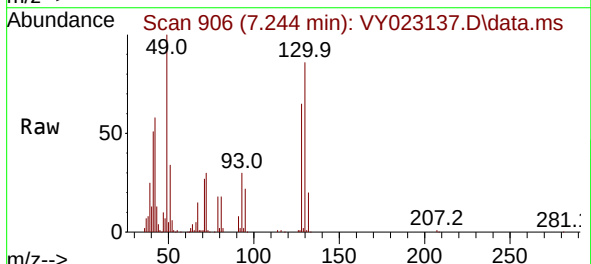
Tgt Ion: 49 Resp: 186381

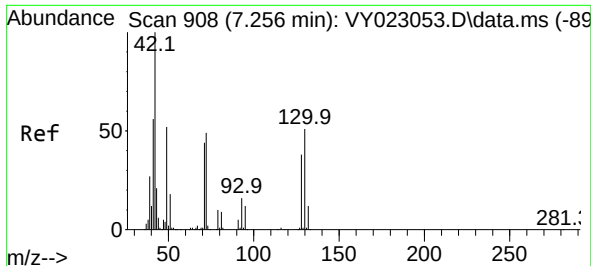
Ion Ratio Lower Upper

49 100

129 2.3 0.0 4.2

130 87.8 66.4 99.6





#29

Tetrahydrofuran

Concen: 226.737 ug/l

RT: 7.262 min Scan# 908

Delta R.T. 0.006 min

Lab File: VY023137.D

Acq: 19 Aug 2025 09:11

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

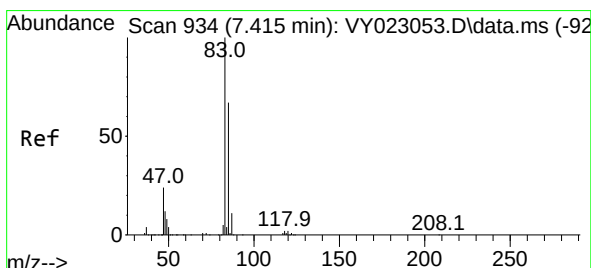
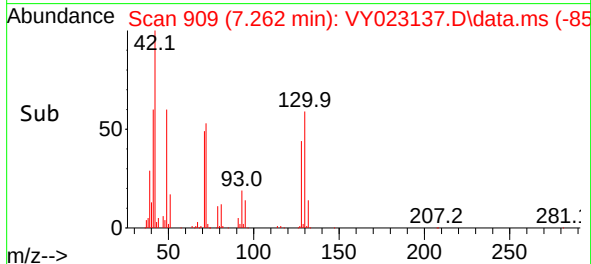
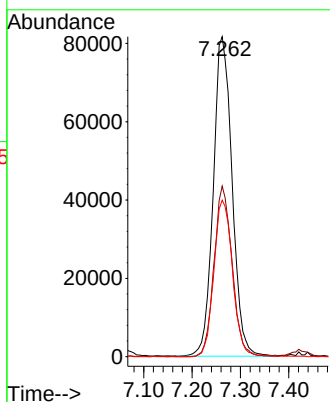
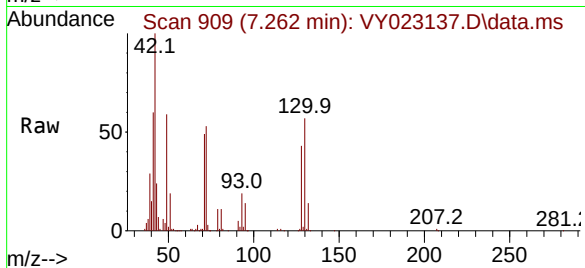
Tgt Ion: 42 Resp: 221133

Ion Ratio Lower Upper

42 100

72 51.1 39.4 59.2

71 48.6 36.5 54.7



#30

Chloroform

Concen: 49.287 ug/l

RT: 7.421 min Scan# 935

Delta R.T. 0.006 min

Lab File: VY023137.D

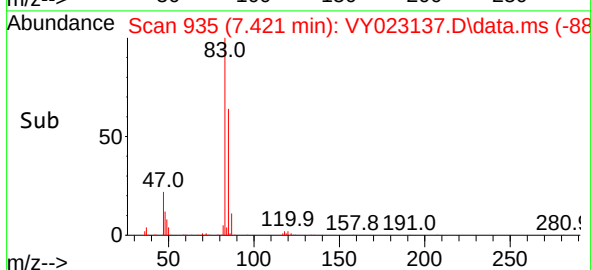
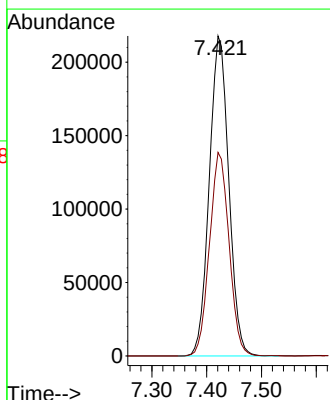
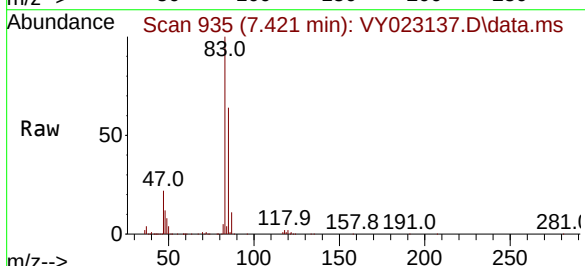
Acq: 19 Aug 2025 09:11

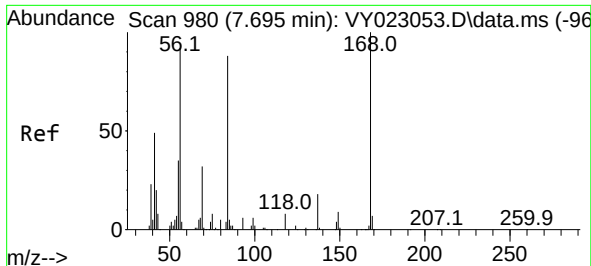
Tgt Ion: 83 Resp: 536519

Ion Ratio Lower Upper

83 100

85 63.6 53.8 80.8

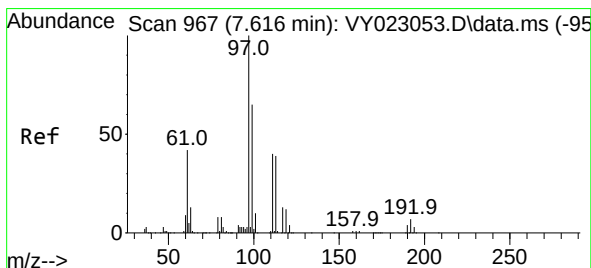
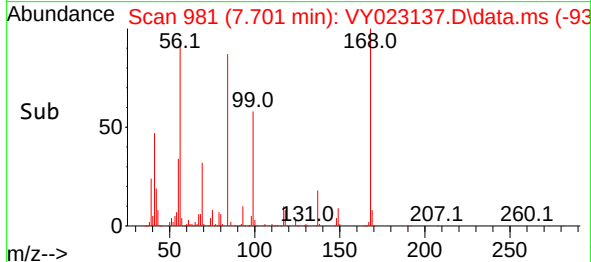
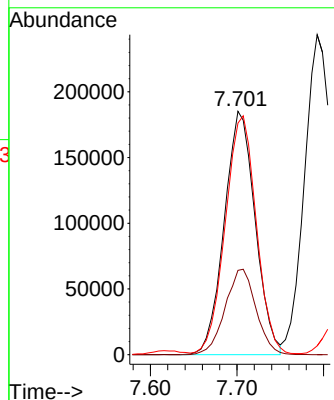
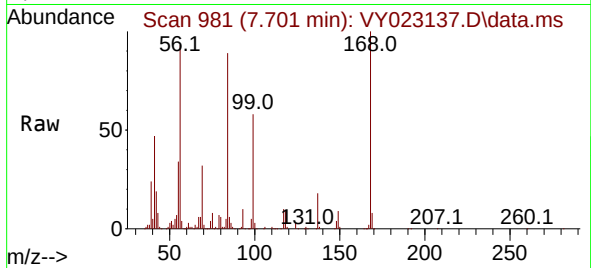




#31
Cyclohexane
Concen: 46.269 ug/l
RT: 7.701 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

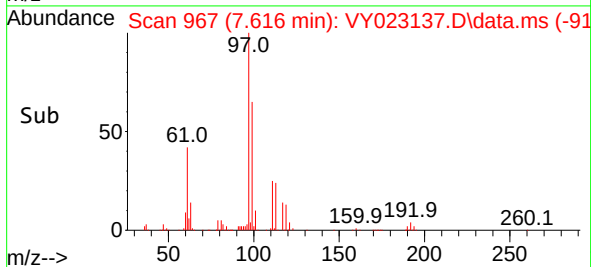
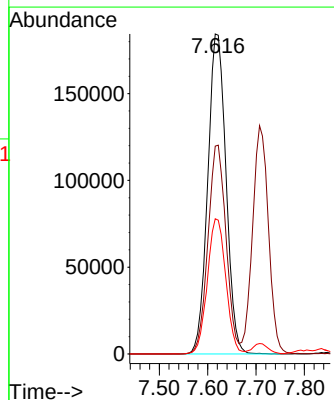
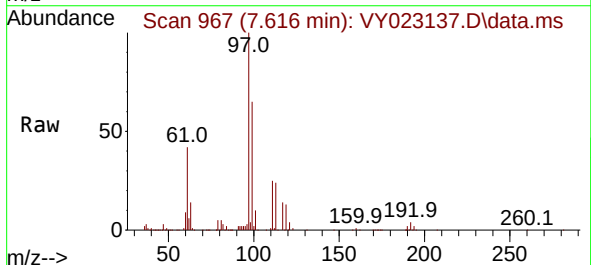
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

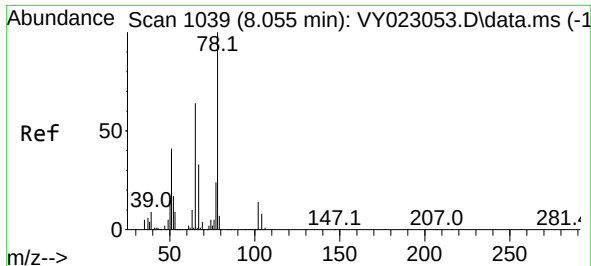
Tgt Ion: 56 Resp: 460210
Ion Ratio Lower Upper
56 100
69 34.6 28.2 42.2
84 94.2 76.6 114.8



#32
1,1,1-Trichloroethane
Concen: 50.106 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Tgt Ion: 97 Resp: 483961
Ion Ratio Lower Upper
97 100
99 64.5 51.6 77.4
61 42.7 34.2 51.2





#33

1,2-Dichloroethane-d4

Concen: 45.256 ug/l

RT: 8.061 min Scan# 110

Delta R.T. 0.006 min

Lab File: VY023137.D

Acq: 19 Aug 2025 09:11

Instrument :

MSVOA_Y

ClientSampleId :

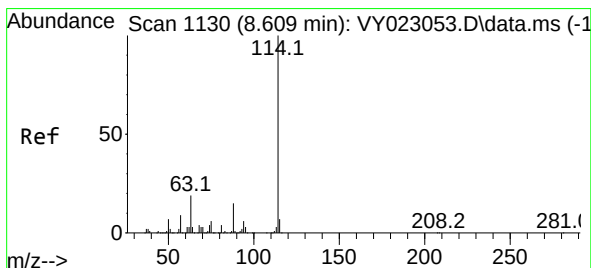
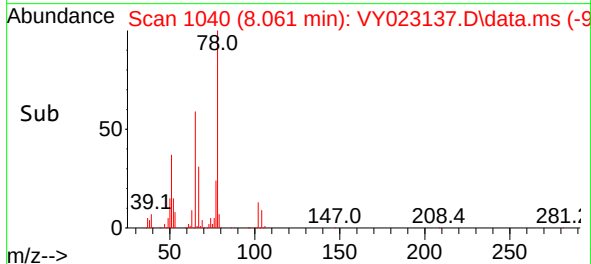
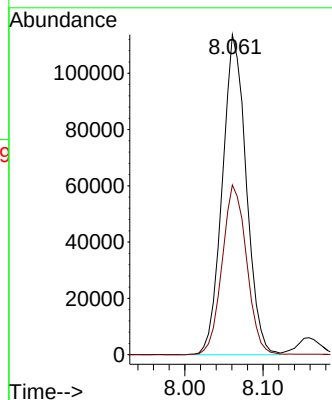
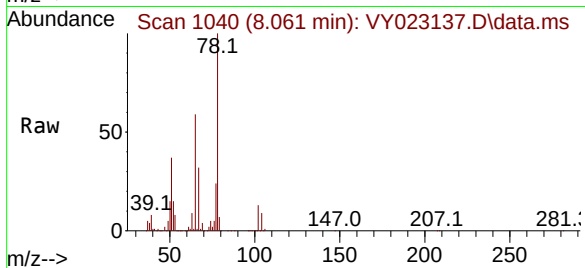
VSTDCCC050

Tgt Ion: 65 Resp: 241668

Ion Ratio Lower Upper

65 100

67 54.3 0.0 106.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.006 min

Lab File: VY023137.D

Acq: 19 Aug 2025 09:11

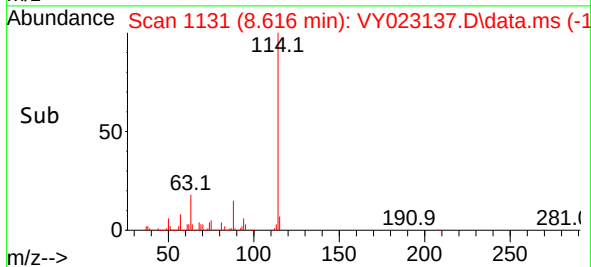
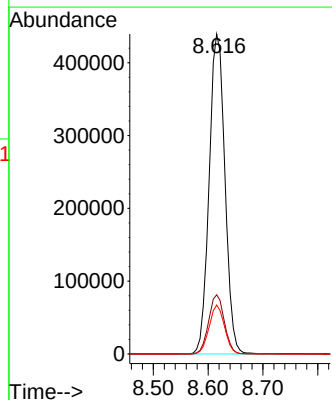
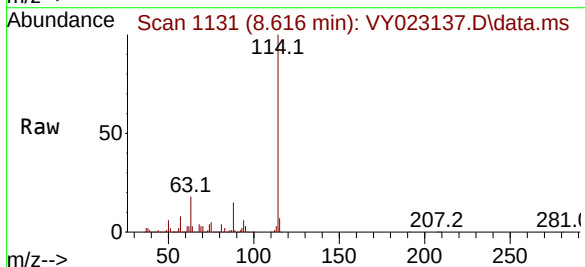
Tgt Ion: 114 Resp: 876189

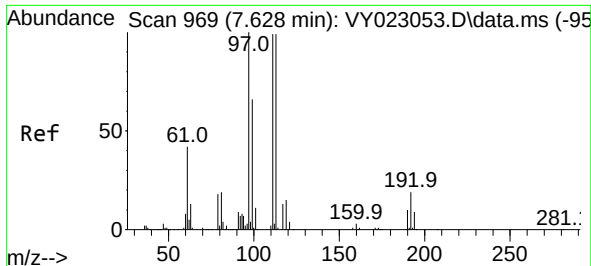
Ion Ratio Lower Upper

114 100

63 18.5 0.0 38.4

88 15.3 0.0 30.0

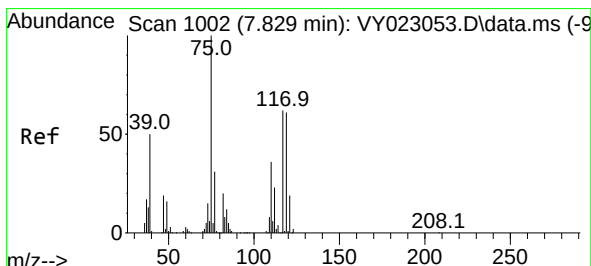
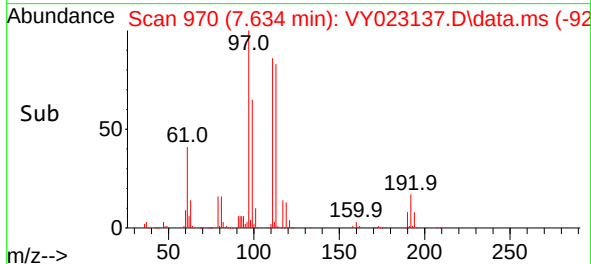
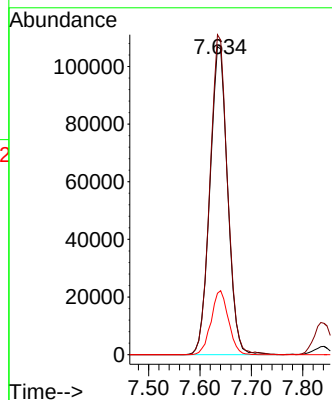
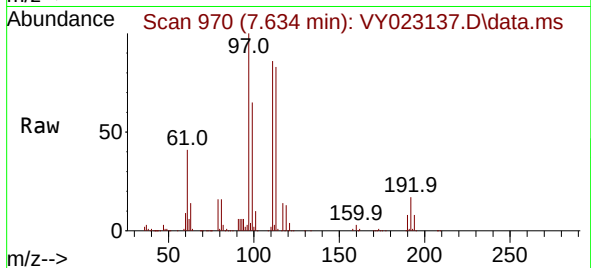




#35
Dibromofluoromethane
Concen: 48.854 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

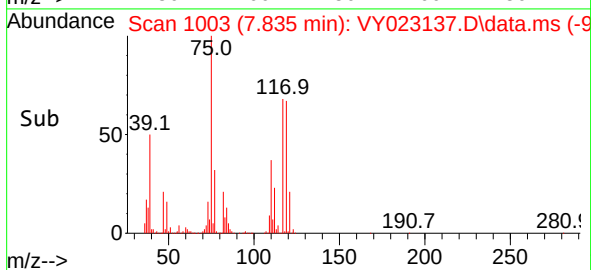
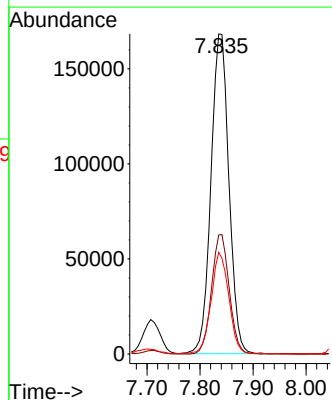
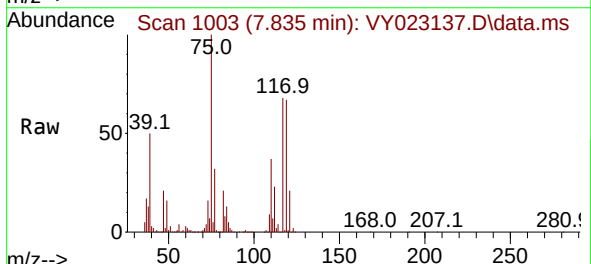
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

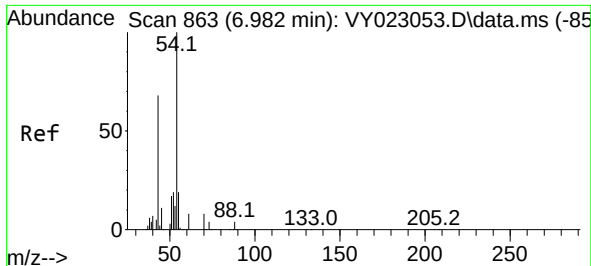
Tgt Ion:113 Resp: 256133
Ion Ratio Lower Upper
113 100
111 102.6 81.1 121.7
192 20.3 16.2 24.4



#36
1,1-Dichloropropene
Concen: 50.818 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Tgt Ion: 75 Resp: 395952
Ion Ratio Lower Upper
75 100
110 36.7 18.1 54.4
77 31.3 24.6 37.0

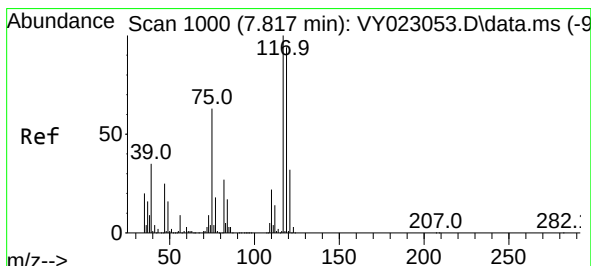
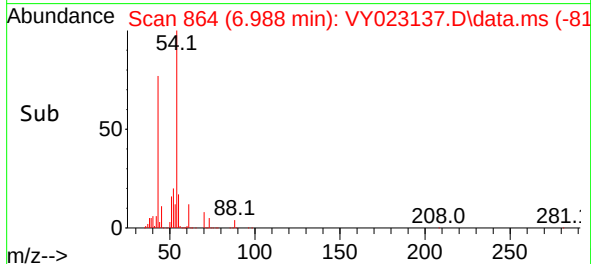
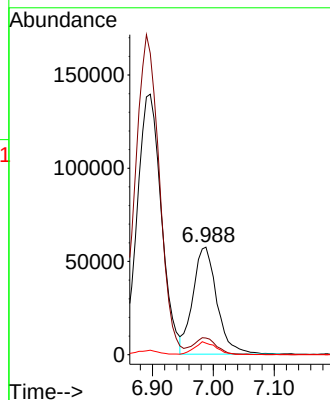
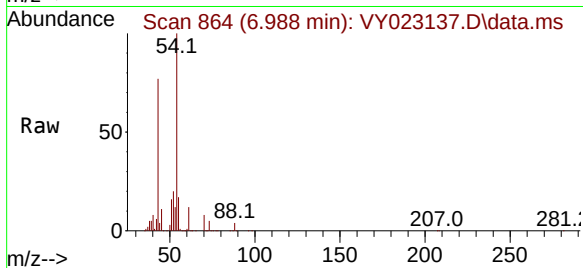




#37
Ethyl Acetate
Concen: 48.006 ug/l
RT: 6.988 min Scan# 864
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

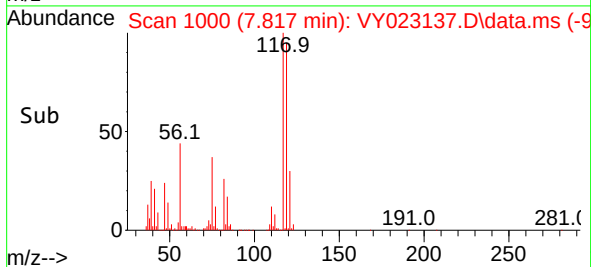
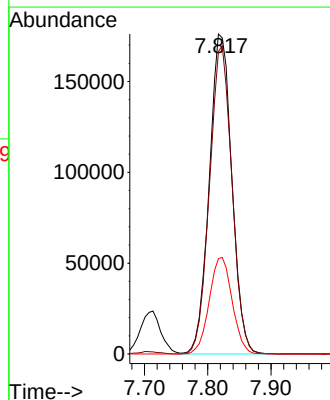
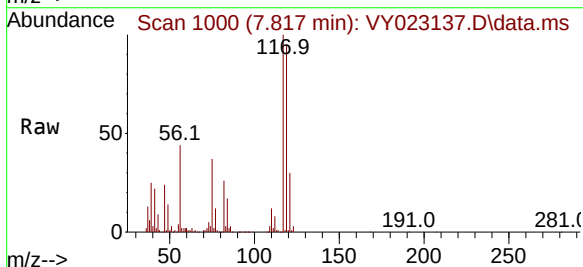
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

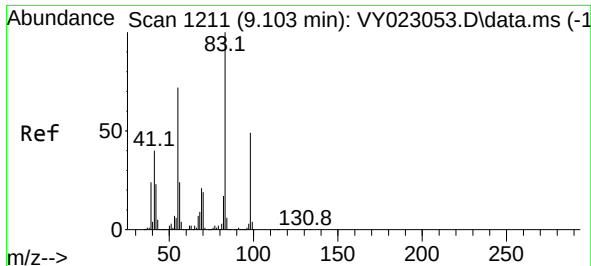
Tgt Ion: 43 Resp: 157126
Ion Ratio Lower Upper
43 100
61 14.5 11.9 17.9
70 11.1 8.8 13.2



#38
Carbon Tetrachloride
Concen: 51.581 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. 0.000 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Tgt Ion: 117 Resp: 436510
Ion Ratio Lower Upper
117 100
119 94.5 75.6 113.4
121 29.8 25.8 38.8





#39

Methylcyclohexane

Concen: 51.832 ug/l

RT: 9.109 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023137.D

Acq: 19 Aug 2025 09:11

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

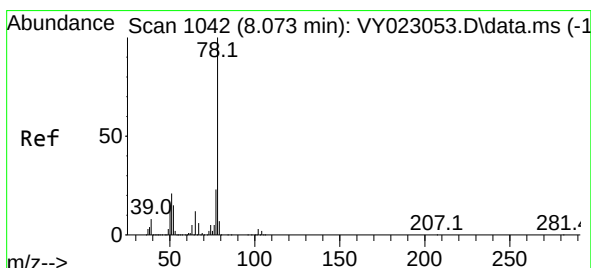
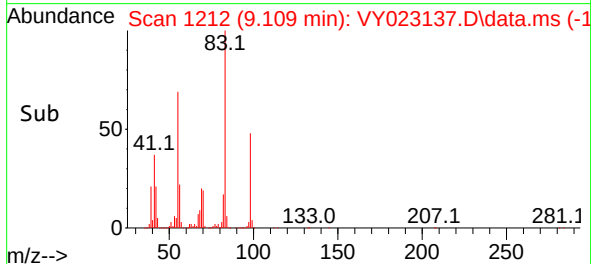
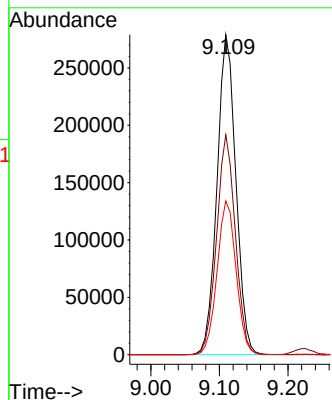
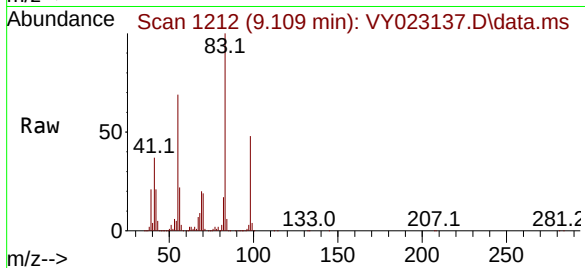
Tgt Ion: 83 Resp: 531826

Ion Ratio Lower Upper

83 100

55 68.7 57.6 86.4

98 48.0 39.2 58.8



#40

Benzene

Concen: 50.401 ug/l

RT: 8.079 min Scan# 1043

Delta R.T. 0.006 min

Lab File: VY023137.D

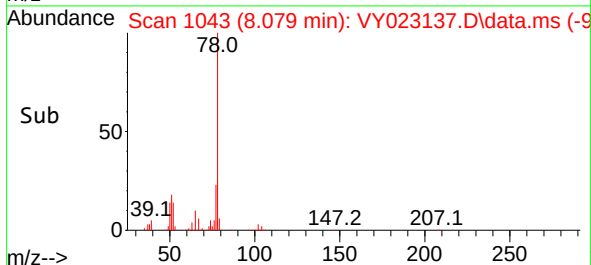
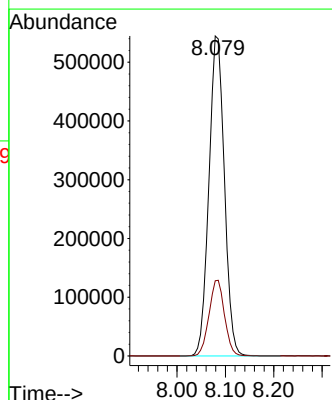
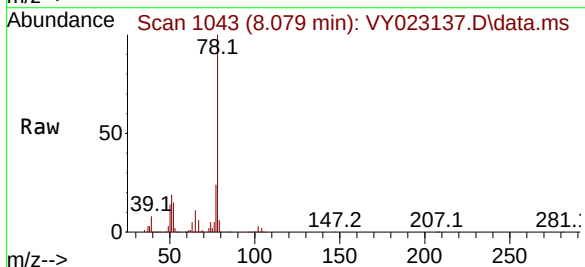
Acq: 19 Aug 2025 09:11

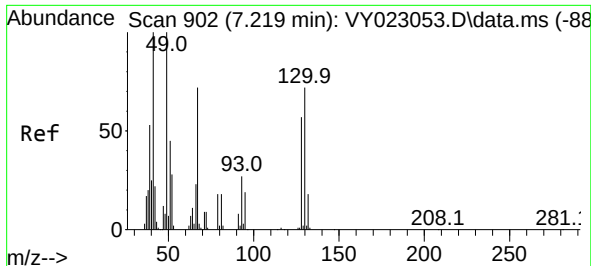
Tgt Ion: 78 Resp: 1210380

Ion Ratio Lower Upper

78 100

77 23.5 18.6 28.0

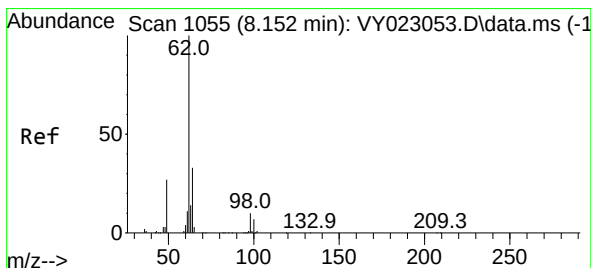
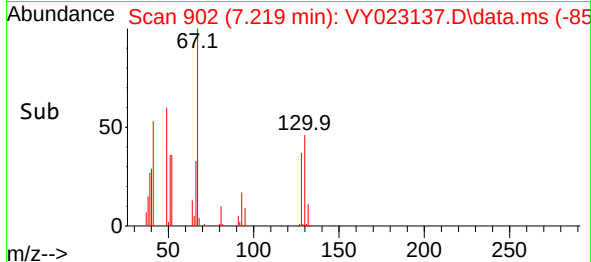
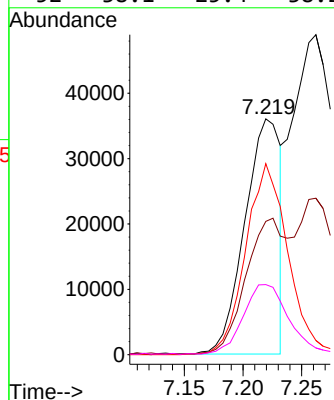
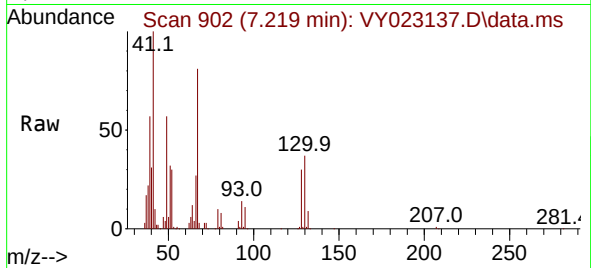




#41
Methacrylonitrile
Concen: 40.191 ug/l
RT: 7.219 min Scan# 902
Delta R.T. 0.000 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

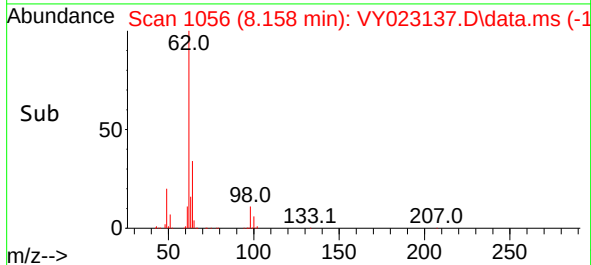
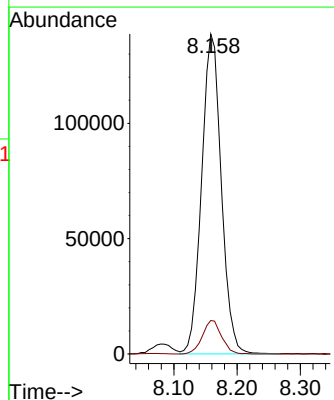
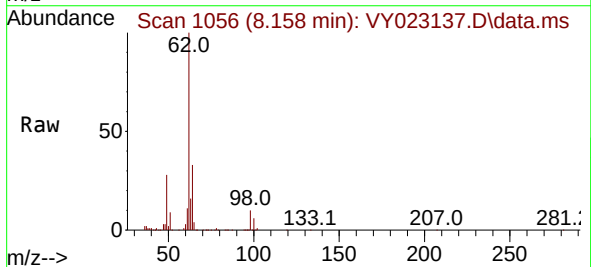
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

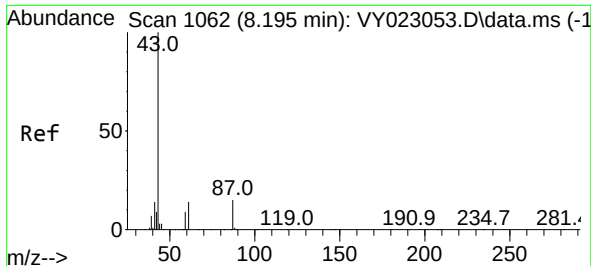
Tgt Ion:	41	Resp:	75919
Ion	Ratio	Lower	Upper
41	100		
39	65.0	43.4	65.2
67	96.5	63.6	95.4
52	38.1	25.4	38.2



#42
1,2-Dichloroethane
Concen: 48.044 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Tgt Ion:	62	Resp:	300070
Ion	Ratio	Lower	Upper
62	100		
98	10.2	0.0	20.6

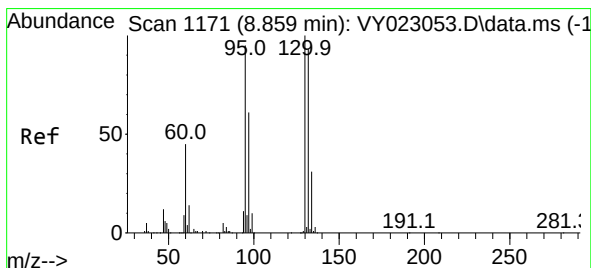
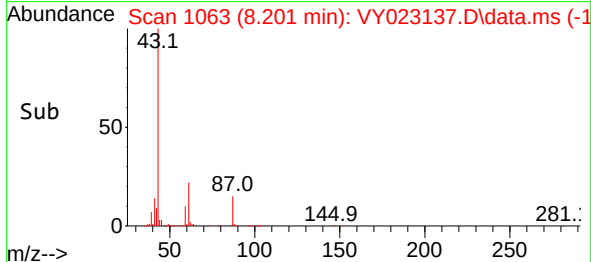
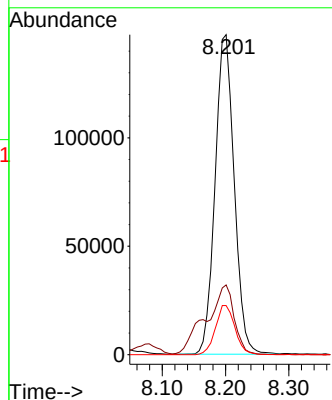
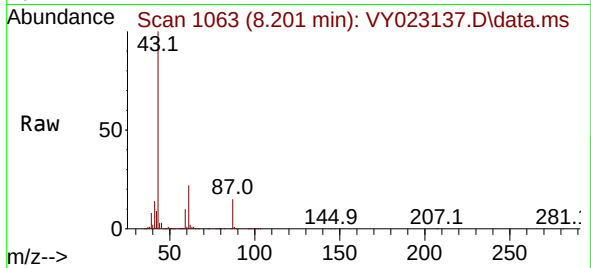




#43
Isopropyl Acetate
Concen: 46.703 ug/l
RT: 8.201 min Scan# 1063
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

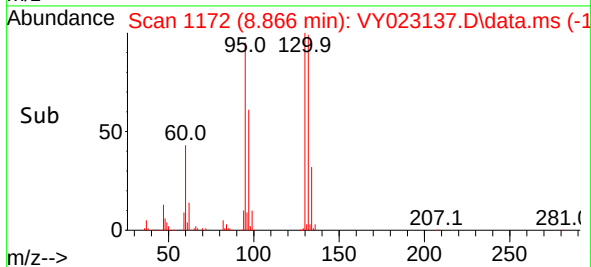
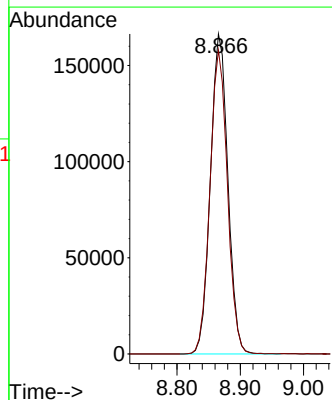
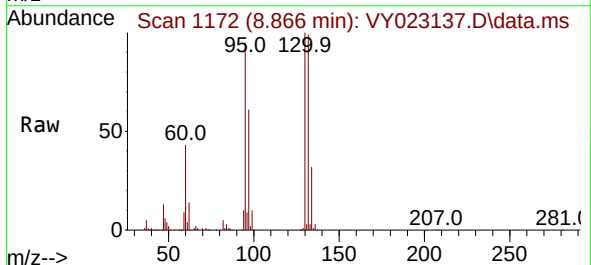
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

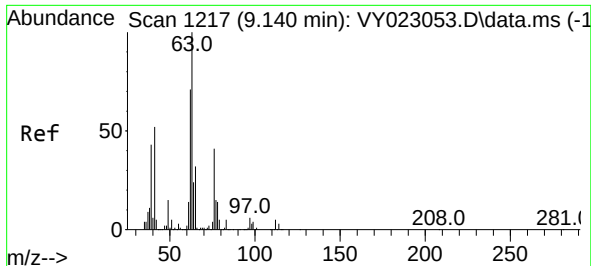
Tgt Ion: 43 Resp: 308955
Ion Ratio Lower Upper
43 100
61 32.2 16.4 24.6#
87 15.7 11.8 17.6



#44
Trichloroethene
Concen: 51.463 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Tgt Ion:130 Resp: 319381
Ion Ratio Lower Upper
130 100
95 95.0 0.0 190.2





#45

1,2-Dichloropropane

Concen: 50.044 ug/l

RT: 9.146 min Scan# 1218

Delta R.T. 0.006 min

Lab File: VY023137.D

Acq: 19 Aug 2025 09:11

Instrument :

MSVOA_Y

ClientSampleId :

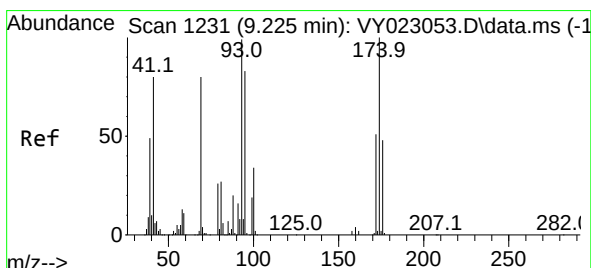
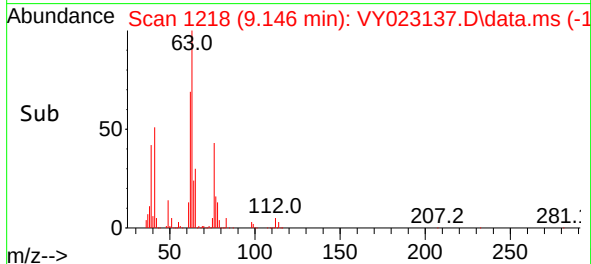
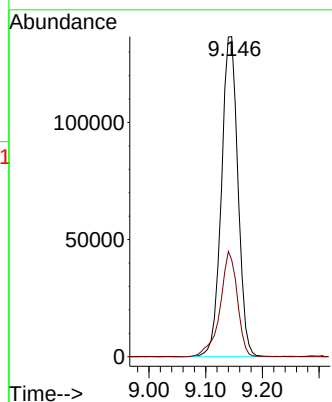
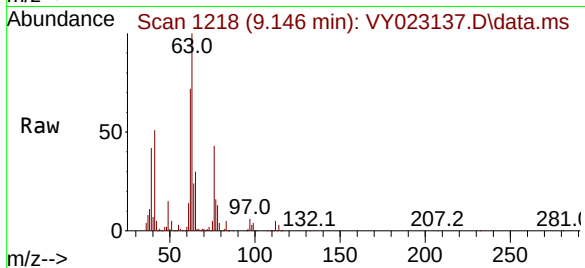
VSTDCCC050

Tgt Ion: 63 Resp: 276520

Ion Ratio Lower Upper

63 100

65 30.2 25.3 37.9



#46

Dibromomethane

Concen: 49.637 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. 0.006 min

Lab File: VY023137.D

Acq: 19 Aug 2025 09:11

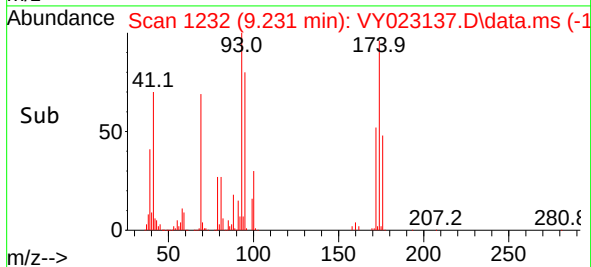
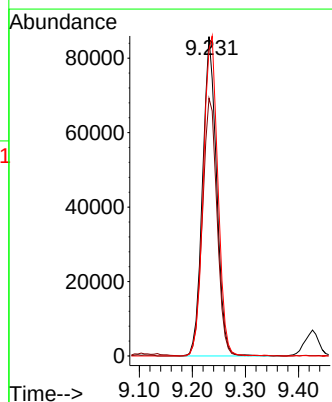
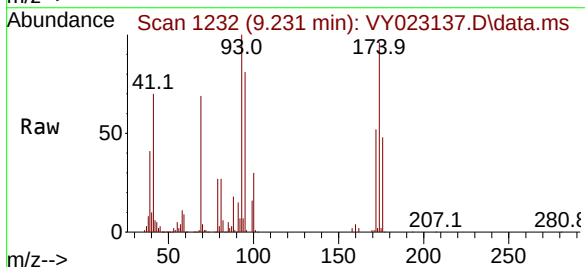
Tgt Ion: 93 Resp: 157422

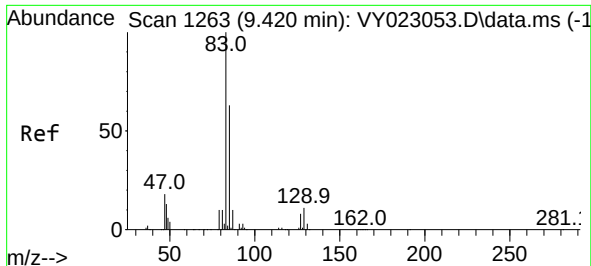
Ion Ratio Lower Upper

93 100

95 83.8 66.5 99.7

174 103.7 81.8 122.8

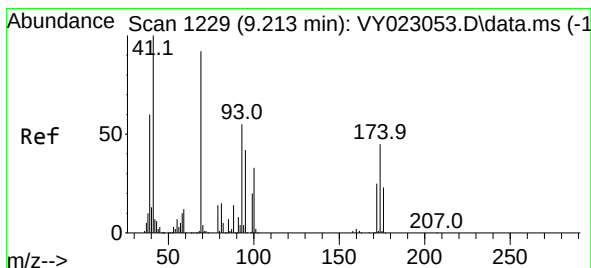
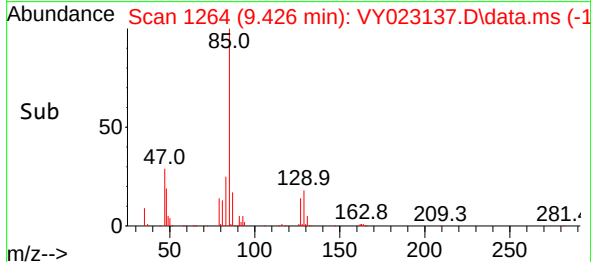
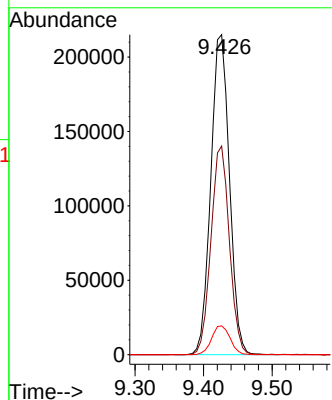
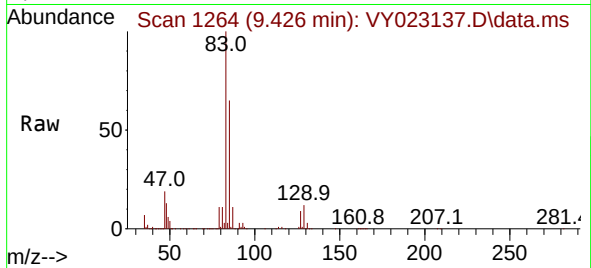




#47
Bromodichloromethane
Concen: 49.781 ug/l
RT: 9.426 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

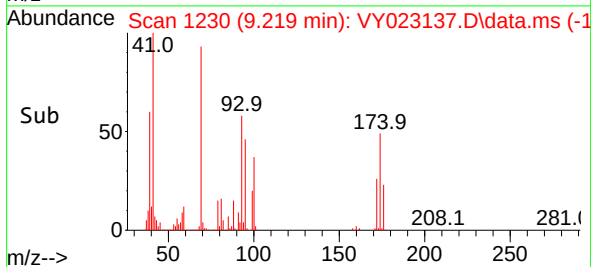
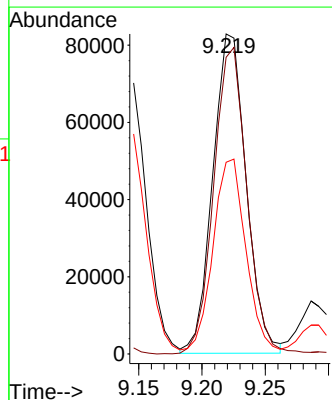
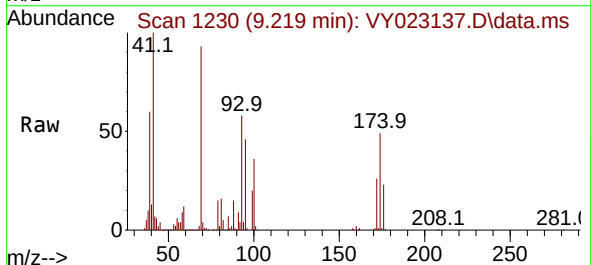
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

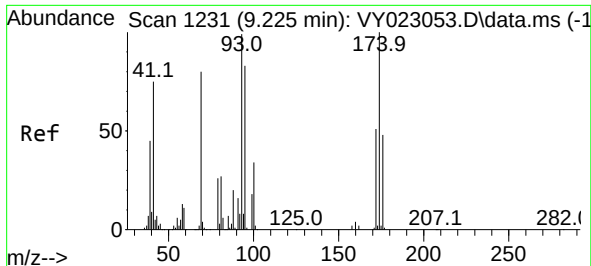
Tgt Ion: 83 Resp: 406246
Ion Ratio Lower Upper
83 100
85 65.2 50.2 75.4
127 9.0 6.6 10.0



#48
Methyl methacrylate
Concen: 48.023 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Tgt Ion: 41 Resp: 152020
Ion Ratio Lower Upper
41 100
69 95.3 73.2 109.8
39 58.1 47.0 70.4

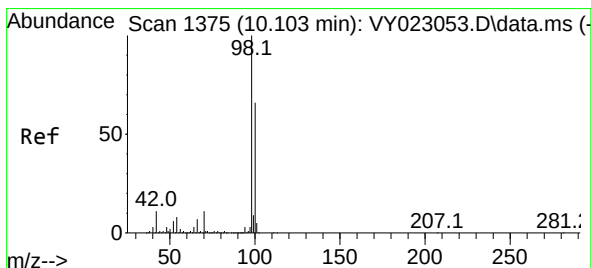
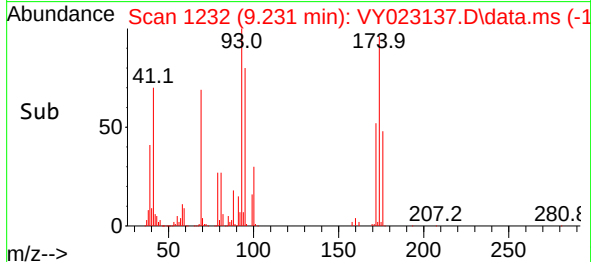
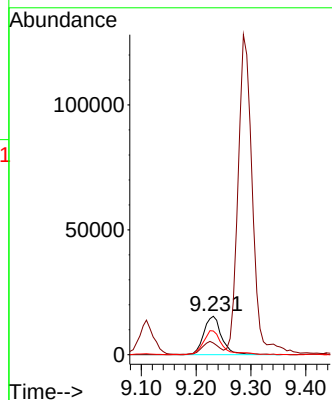
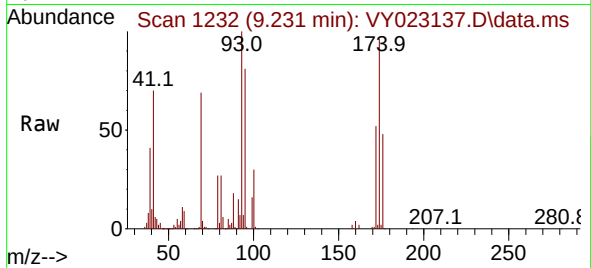




#49
1,4-Dioxane
Concen: 934.713 ug/l
RT: 9.231 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

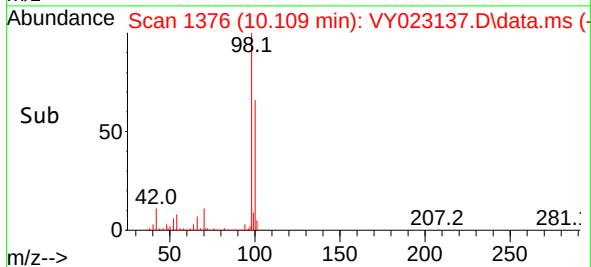
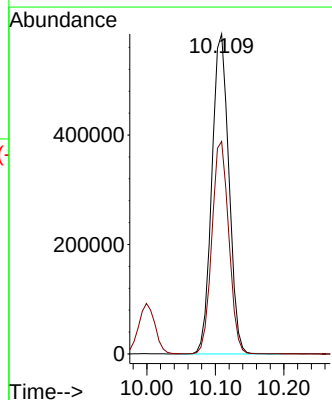
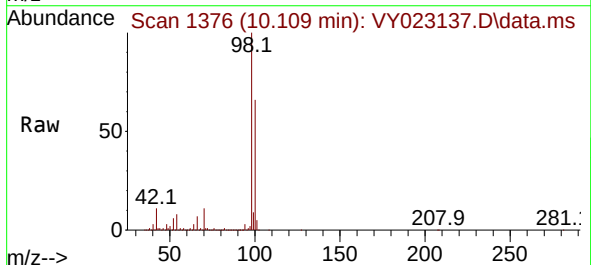
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

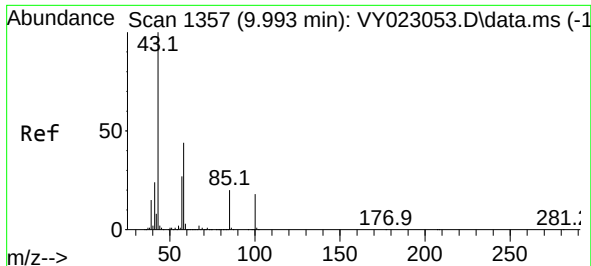
Tgt Ion: 88 Resp: 34759
Ion Ratio Lower Upper
88 100
43 30.0 24.3 36.5
58 65.6 55.4 83.0



#50
Toluene-d8
Concen: 49.217 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Tgt Ion: 98 Resp: 1008048
Ion Ratio Lower Upper
98 100
100 65.9 52.3 78.5





#51

4-Methyl-2-Pentanone

Concen: 240.906 ug/l

RT: 9.999 min Scan# 1357

Delta R.T. 0.006 min

Lab File: VY023137.D

Acq: 19 Aug 2025 09:11

Instrument :

MSVOA_Y

ClientSampleId :

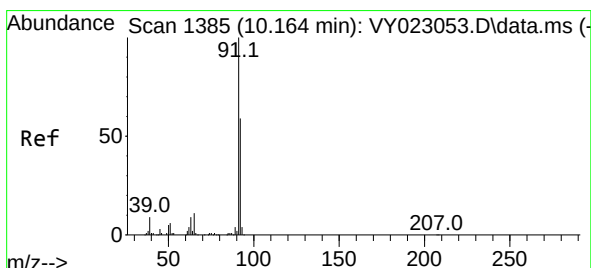
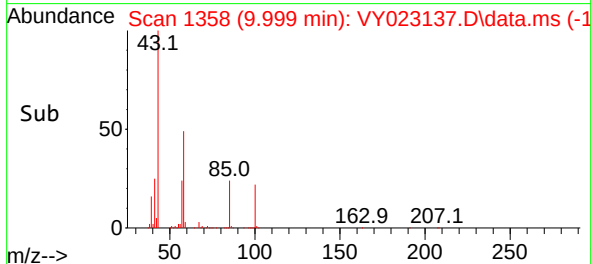
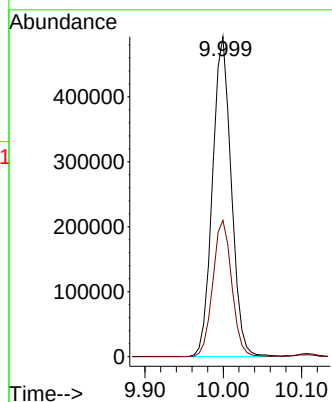
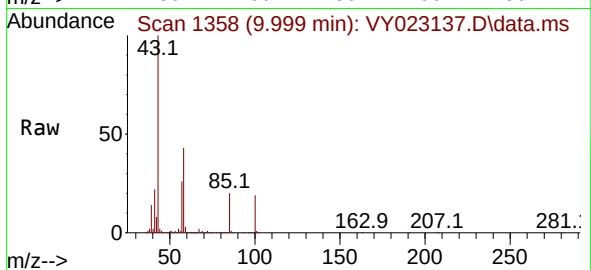
VSTDCCC050

Tgt Ion: 43 Resp: 822061

Ion Ratio Lower Upper

43 100

58 43.0 33.5 50.3



#52

Toluene

Concen: 51.669 ug/l

RT: 10.170 min Scan# 1386

Delta R.T. 0.006 min

Lab File: VY023137.D

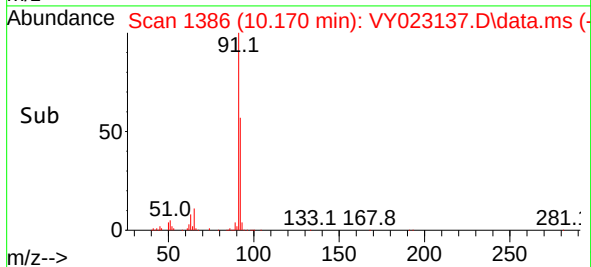
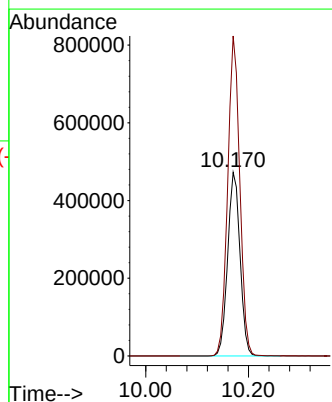
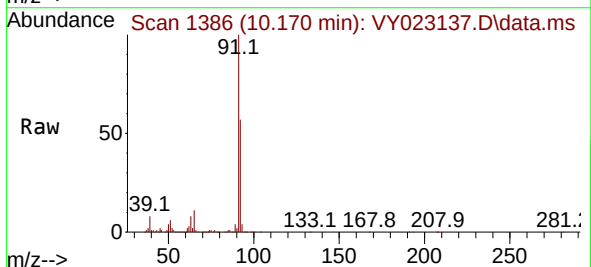
Acq: 19 Aug 2025 09:11

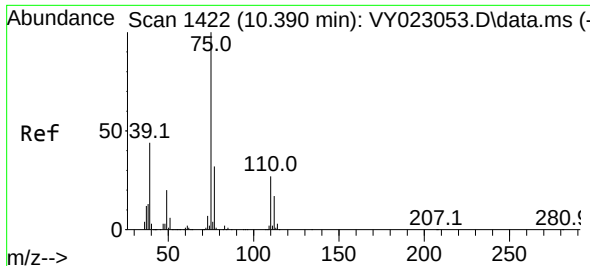
Tgt Ion: 92 Resp: 788070

Ion Ratio Lower Upper

92 100

91 170.0 136.4 204.6

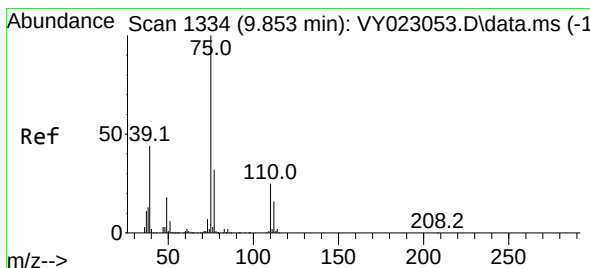
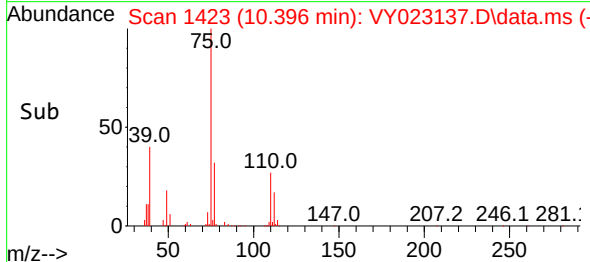
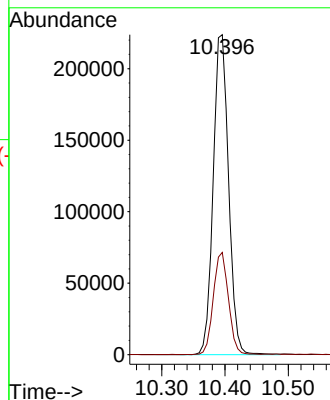
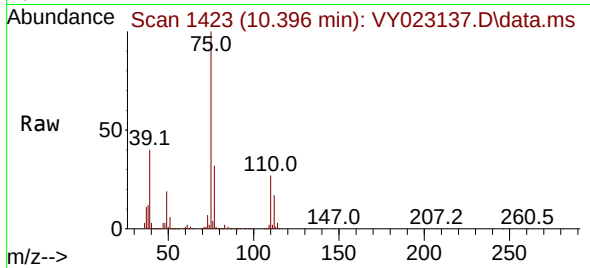




#53
t-1,3-Dichloropropene
Concen: 51.112 ug/l
RT: 10.396 min Scan# 1422
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

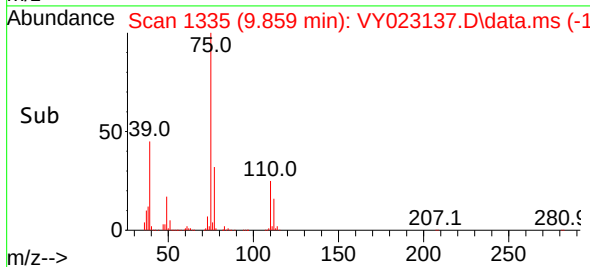
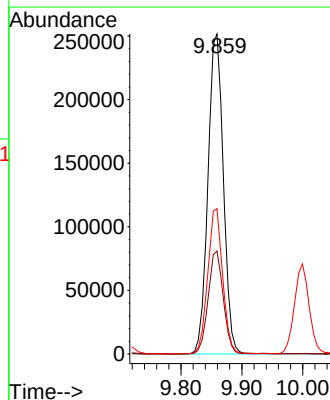
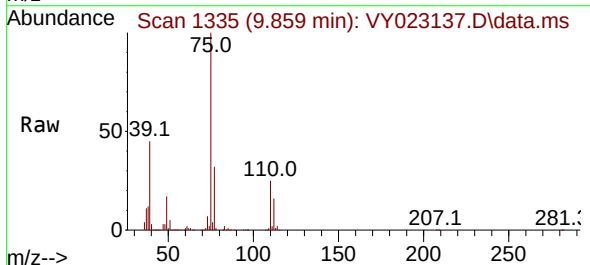
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

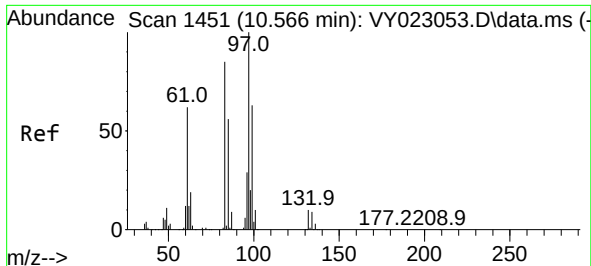
Tgt Ion: 75 Resp: 377708
Ion Ratio Lower Upper
75 100
77 31.9 25.7 38.5



#54
cis-1,3-Dichloropropene
Concen: 50.516 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Tgt Ion: 75 Resp: 441435
Ion Ratio Lower Upper
75 100
77 32.1 25.4 38.0
39 45.3 35.6 53.4



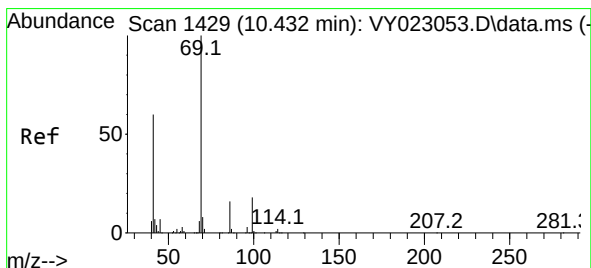
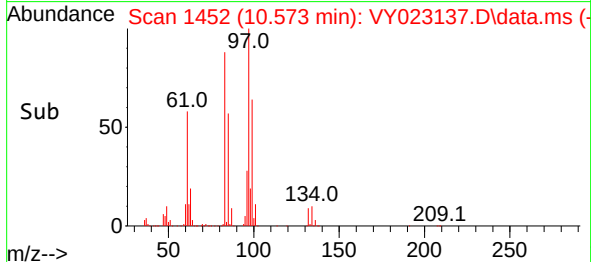
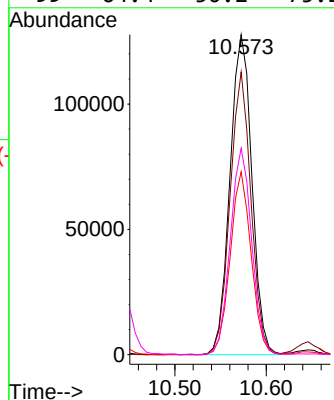
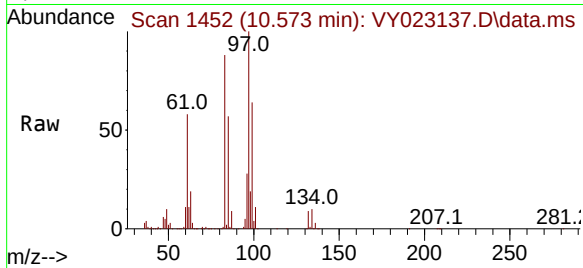


#55
1,1,2-Trichloroethane
Concen: 50.206 ug/l
RT: 10.573 min Scan# 1451
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 97 Resp: 213063

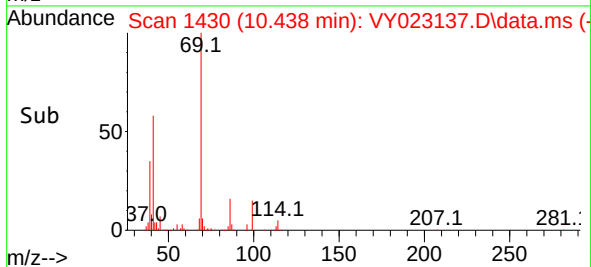
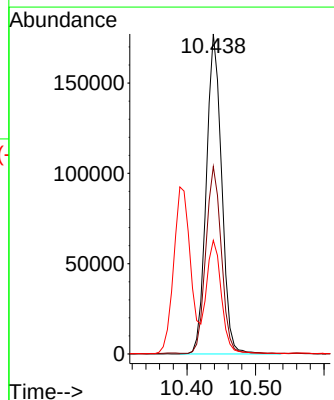
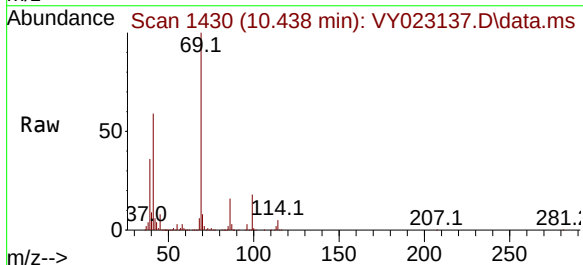
Ion	Ratio	Lower	Upper
97	100		
83	88.4	67.7	101.5
85	57.1	44.5	66.7
99	64.4	50.2	75.2

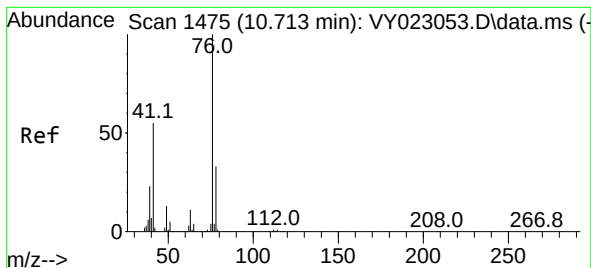


#56
Ethyl methacrylate
Concen: 50.859 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Tgt Ion: 69 Resp: 276182

Ion	Ratio	Lower	Upper
69	100		
41	59.0	48.6	72.8
39	33.7	27.0	40.4

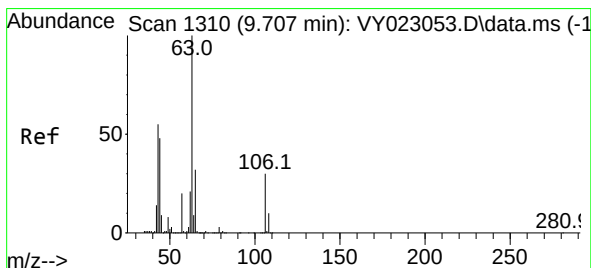
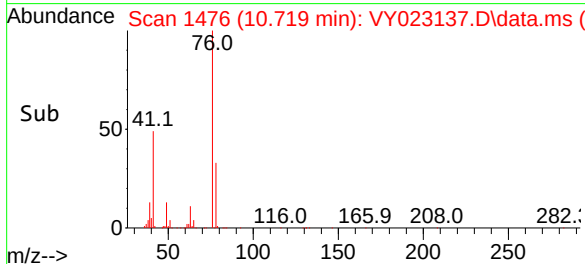
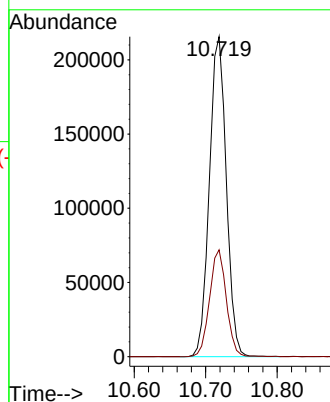
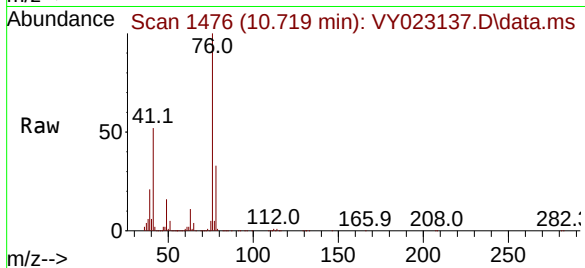




#57
1,3-Dichloropropane
Concen: 49.273 ug/l
RT: 10.719 min Scan# 1475
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

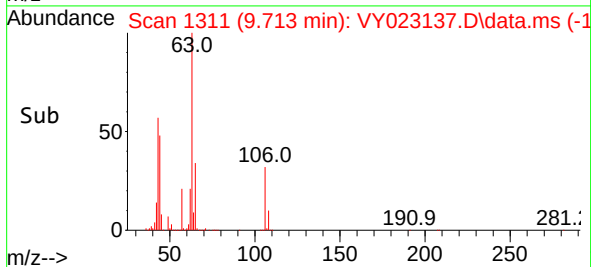
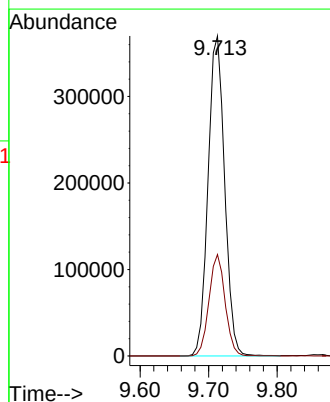
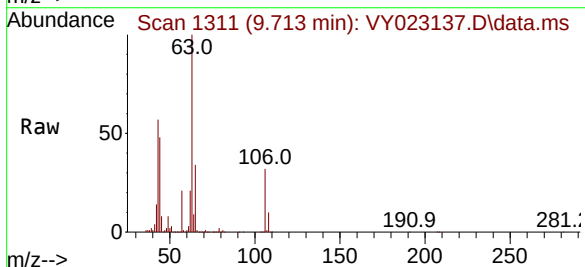
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

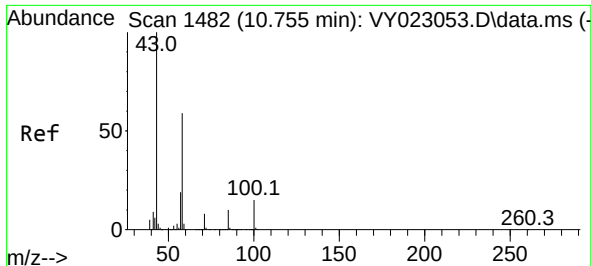
Tgt Ion: 76 Resp: 354628
Ion Ratio Lower Upper
76 100
78 33.0 26.0 39.0



#58
2-Chloroethyl Vinyl ether
Concen: 242.835 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Tgt Ion: 63 Resp: 622022
Ion Ratio Lower Upper
63 100
106 30.8 23.2 34.8

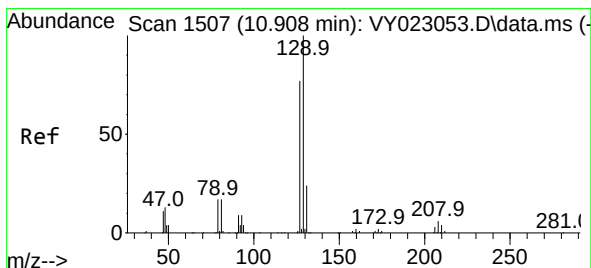
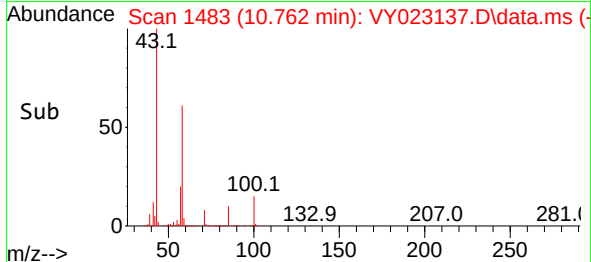
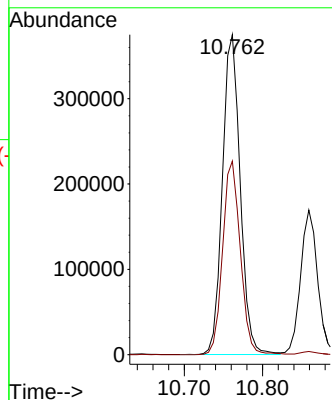
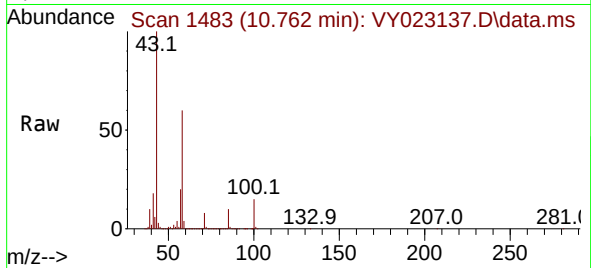




#59
2-Hexanone
Concen: 254.865 ug/l
RT: 10.762 min Scan# 1483
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

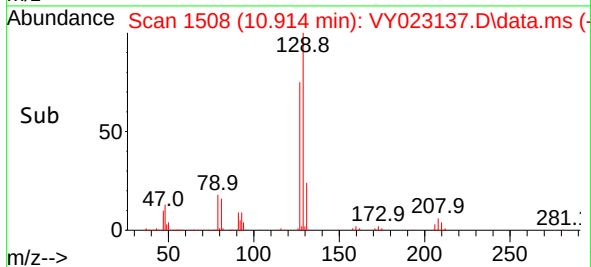
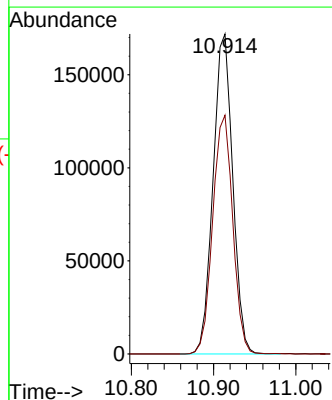
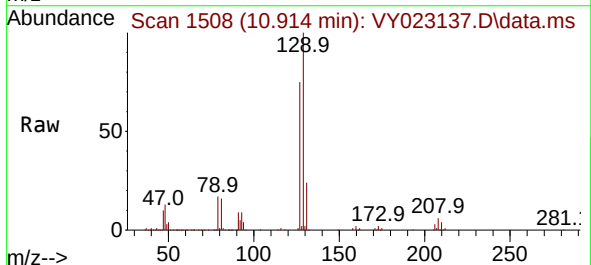
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

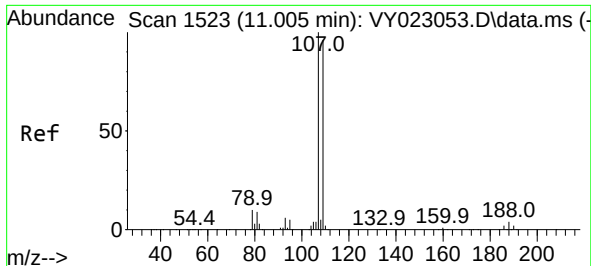
Tgt Ion: 43 Resp: 592202
Ion Ratio Lower Upper
43 100
58 60.2 29.5 88.5



#60
Dibromochloromethane
Concen: 50.963 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Tgt Ion: 129 Resp: 285374
Ion Ratio Lower Upper
129 100
127 76.2 38.5 115.5

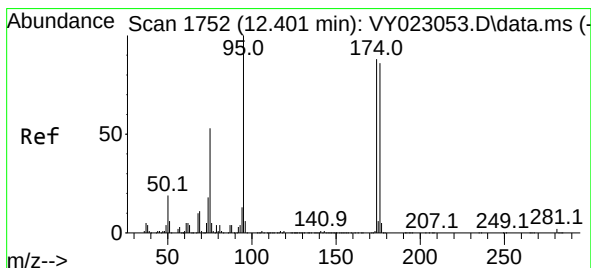
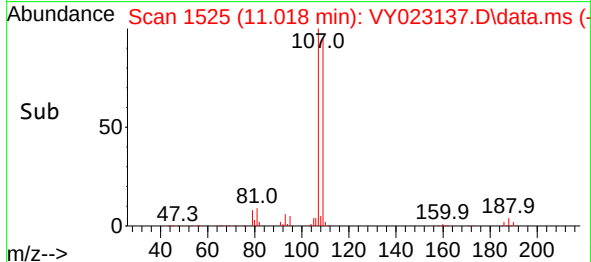
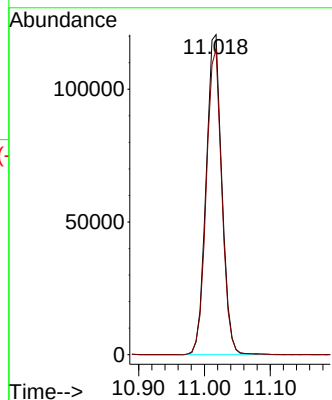
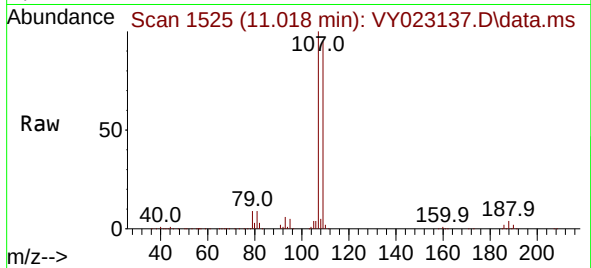




#61
1,2-Dibromoethane
Concen: 50.411 ug/l
RT: 11.018 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

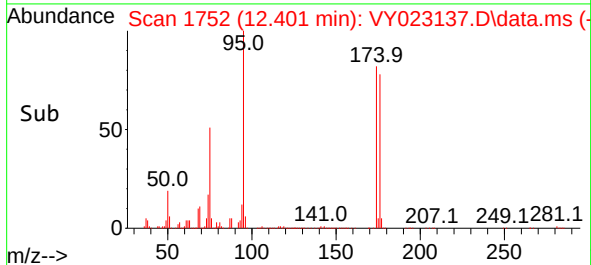
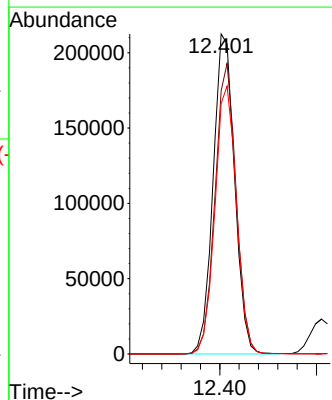
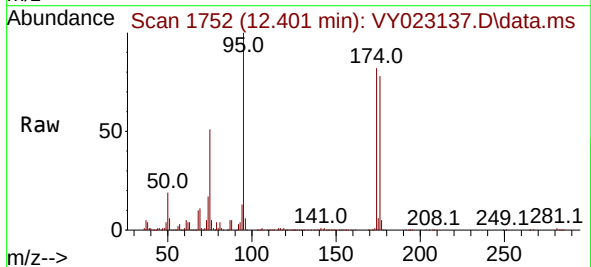
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

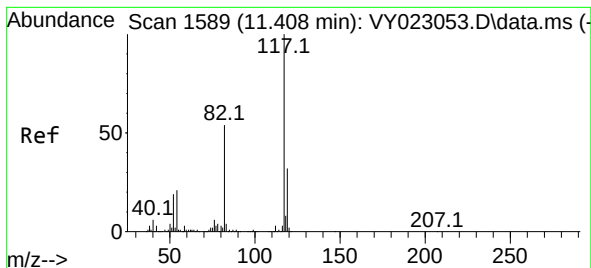
Tgt Ion:107 Resp: 201073
Ion Ratio Lower Upper
107 100
109 94.2 75.6 113.4



#62
4-Bromofluorobenzene
Concen: 49.618 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Tgt Ion: 95 Resp: 326827
Ion Ratio Lower Upper
95 100
174 89.2 0.0 171.6
176 84.4 0.0 167.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023137.D

Acq: 19 Aug 2025 09:11

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

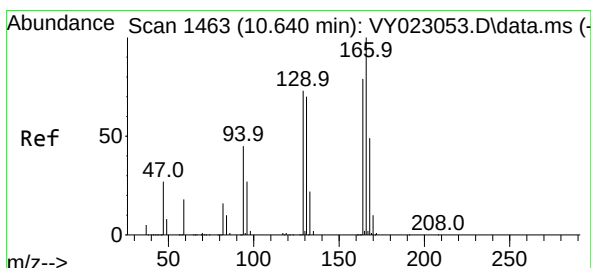
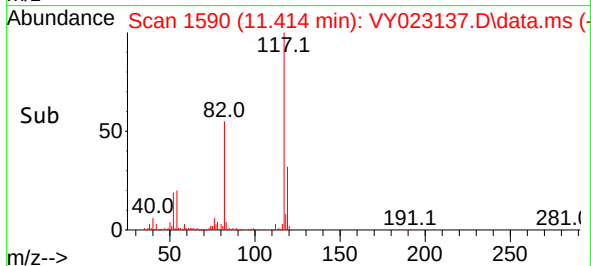
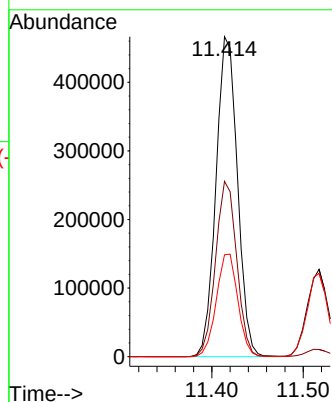
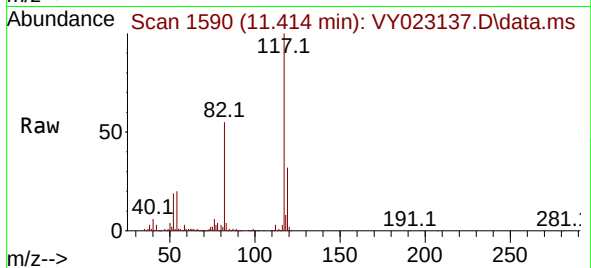
Tgt Ion:117 Resp: 761785

Ion Ratio Lower Upper

117 100

82 54.8 43.4 65.0

119 31.8 25.6 38.4



#64

Tetrachloroethene

Concen: 50.340 ug/l

RT: 10.646 min Scan# 1464

Delta R.T. 0.006 min

Lab File: VY023137.D

Acq: 19 Aug 2025 09:11

Tgt Ion:164 Resp: 342427

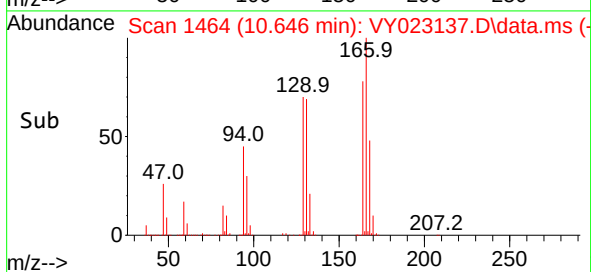
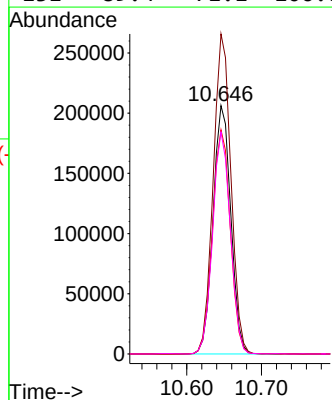
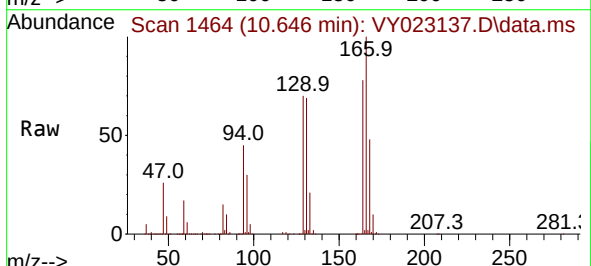
Ion Ratio Lower Upper

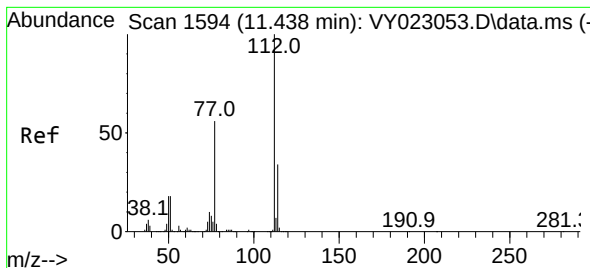
164 100

166 128.9 101.1 151.7

129 90.3 74.0 111.0

131 89.4 71.1 106.7

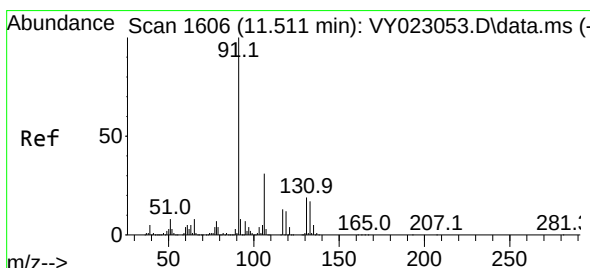
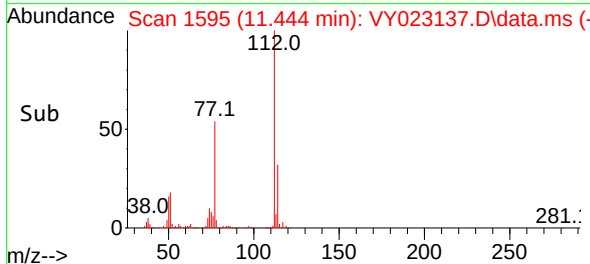
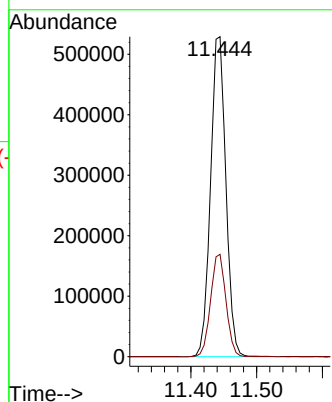
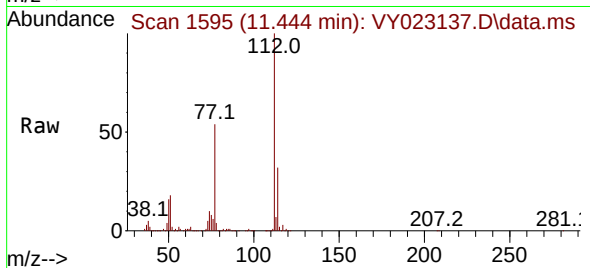




#65
Chlorobenzene
Concen: 52.238 ug/l
RT: 11.444 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

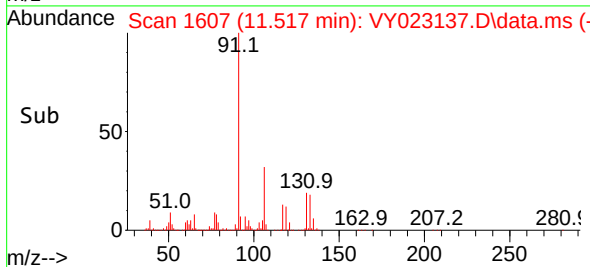
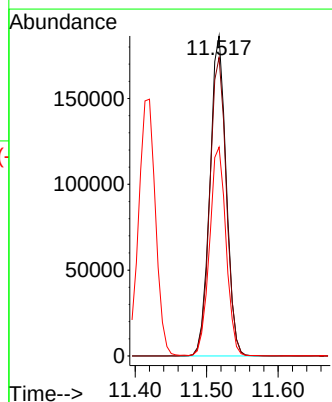
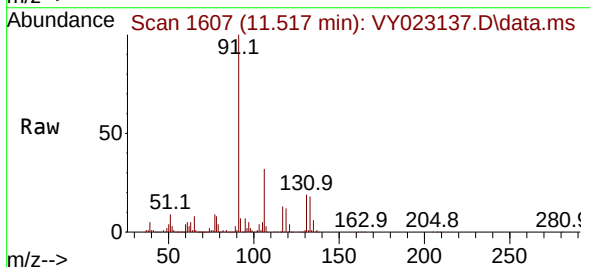
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

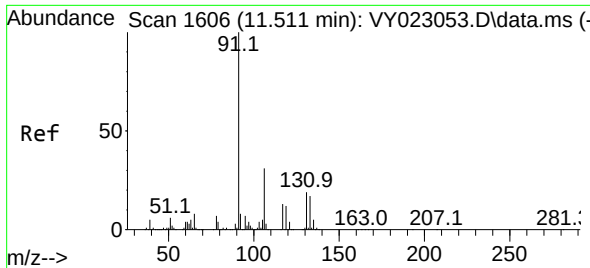
Tgt Ion:112 Resp: 858367
Ion Ratio Lower Upper
112 100
114 32.0 27.0 40.4



#66
1,1,1,2-Tetrachloroethane
Concen: 52.900 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Tgt Ion:131 Resp: 295011
Ion Ratio Lower Upper
131 100
133 94.9 46.9 140.6
119 66.2 33.2 99.6

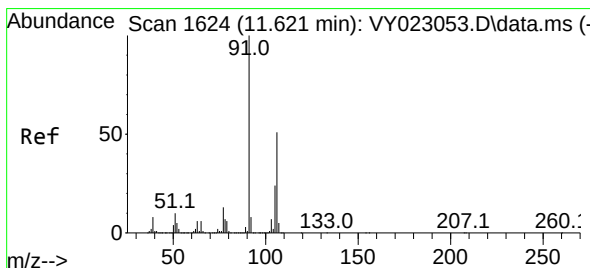
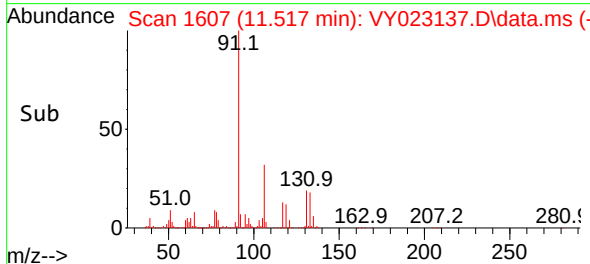
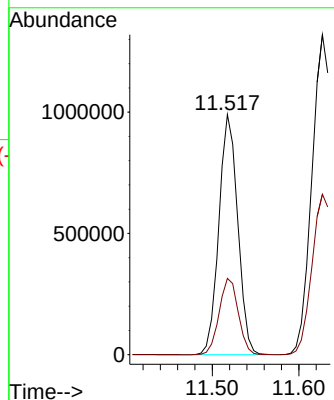
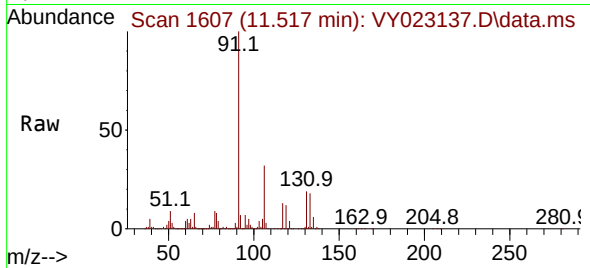




#67
Ethyl Benzene
Concen: 52.850 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

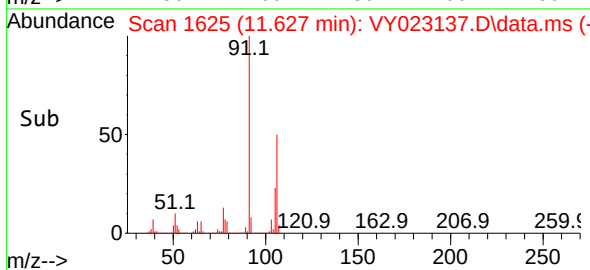
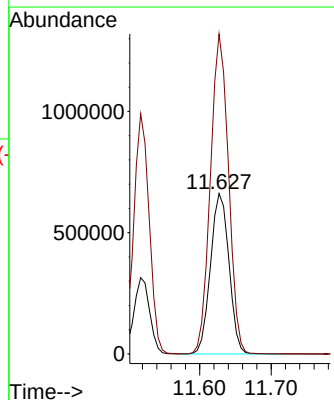
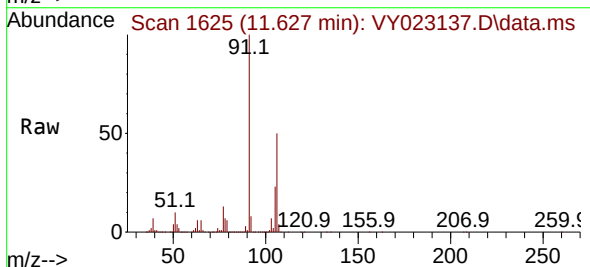
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

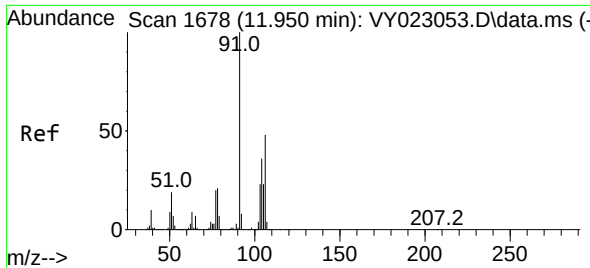
Tgt Ion: 91 Resp: 1494465
Ion Ratio Lower Upper
91 100
106 31.8 25.0 37.4



#68
m/p-Xylenes
Concen: 107.397 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Tgt Ion:106 Resp: 1186104
Ion Ratio Lower Upper
106 100
91 195.6 158.6 238.0

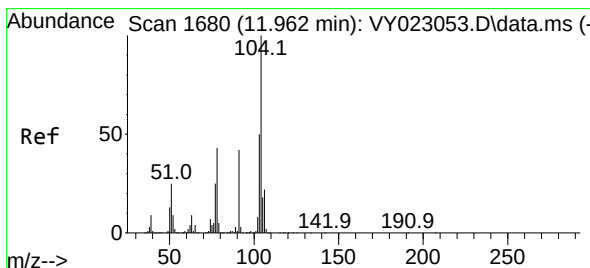
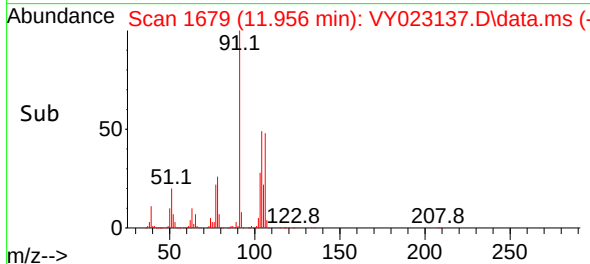
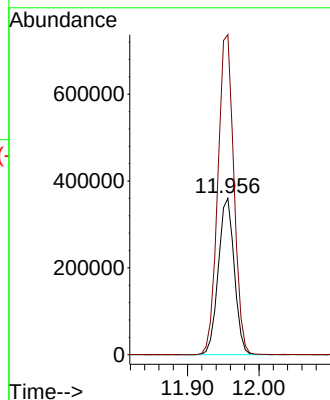
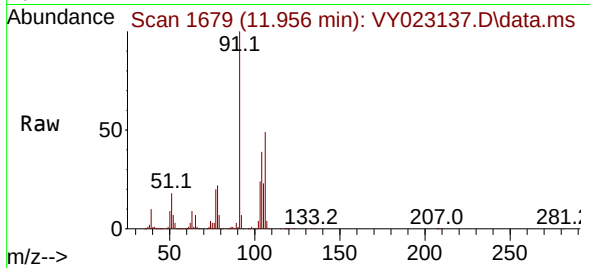




#69
o-Xylene
Concen: 53.940 ug/l
RT: 11.956 min Scan# 1679
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

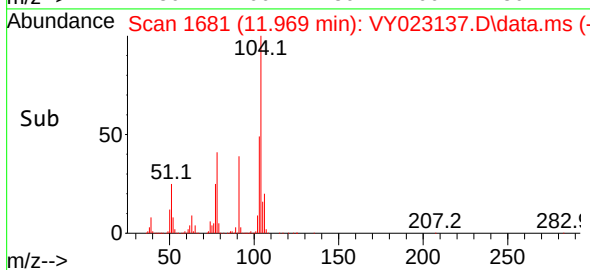
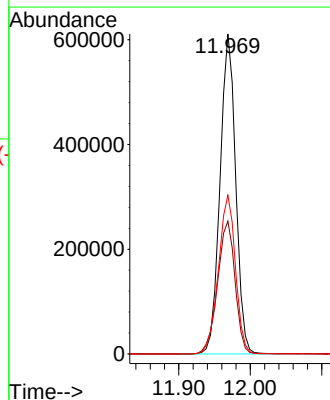
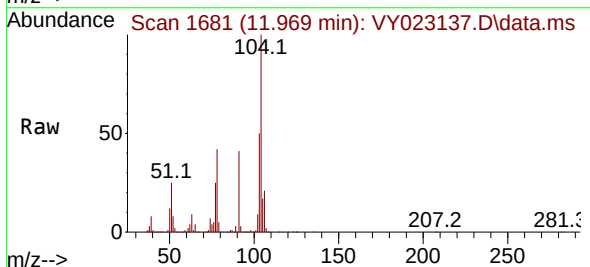
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

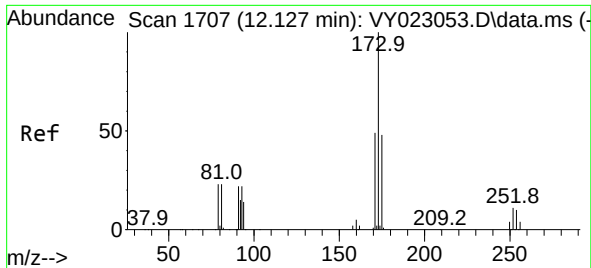
Tgt Ion:106 Resp: 557951
Ion Ratio Lower Upper
106 100
91 205.8 103.2 309.4



#70
Styrene
Concen: 55.007 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Tgt Ion:104 Resp: 930498
Ion Ratio Lower Upper
104 100
78 46.3 38.5 57.7
103 54.0 43.7 65.5

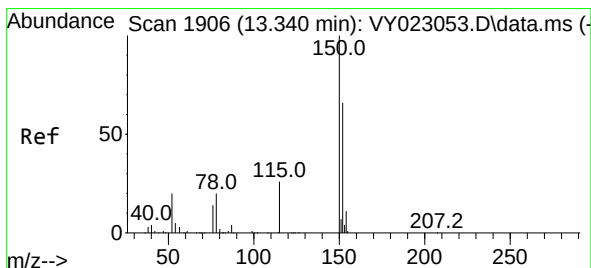
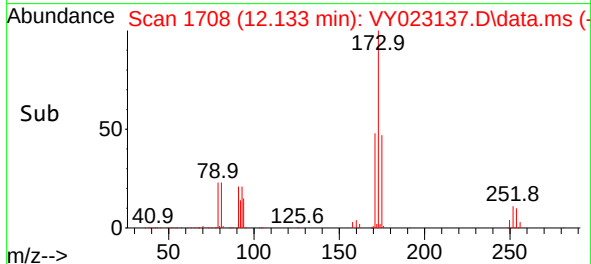
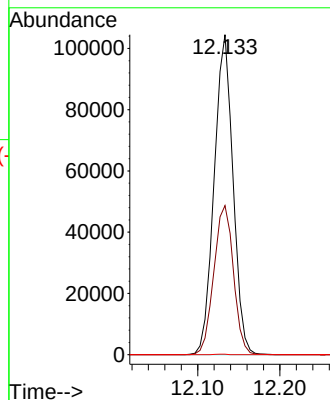
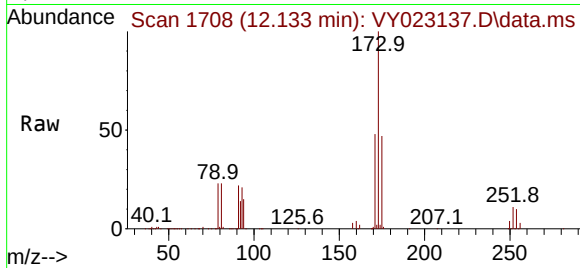




#71
Bromoform
Concen: 51.022 ug/l
RT: 12.133 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

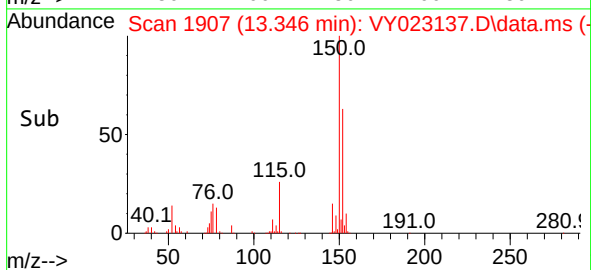
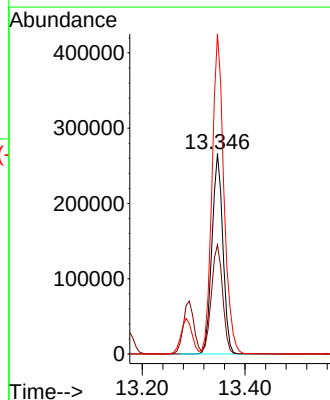
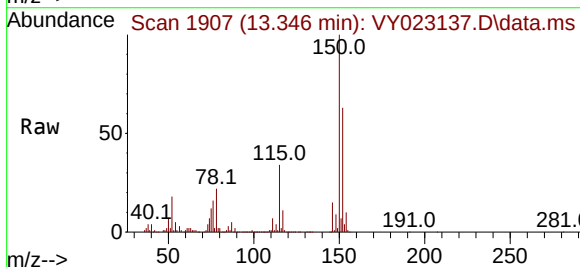
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

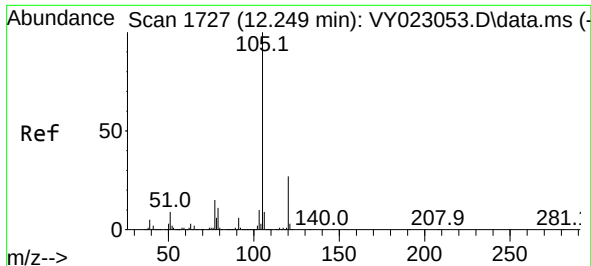
Tgt Ion:173 Resp: 166298
Ion Ratio Lower Upper
173 100
175 48.5 23.9 71.7
254 0.1 0.1 0.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Tgt Ion:152 Resp: 392533
Ion Ratio Lower Upper
152 100
115 55.8 28.2 84.6
150 173.7 0.0 348.0

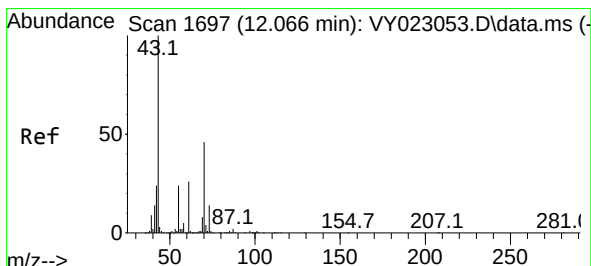
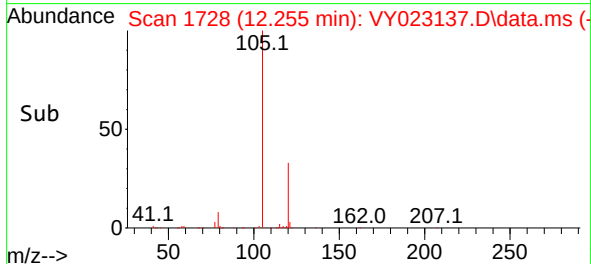
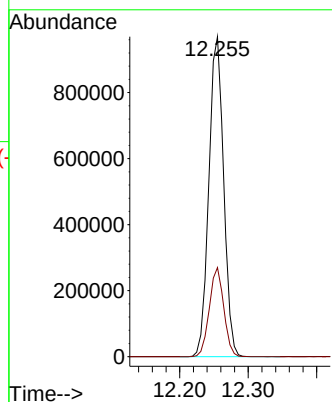
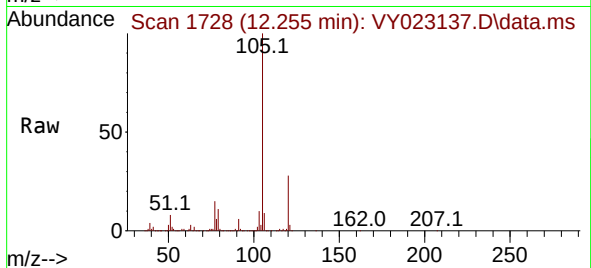




#73
Isopropylbenzene
Concen: 52.528 ug/l
RT: 12.255 min Scan# 1728
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

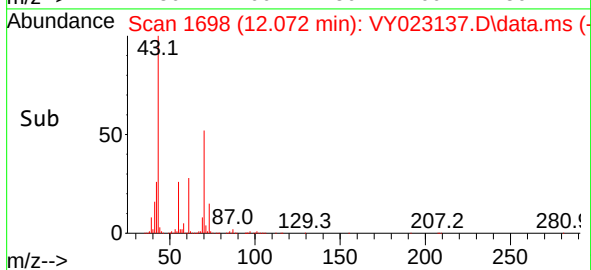
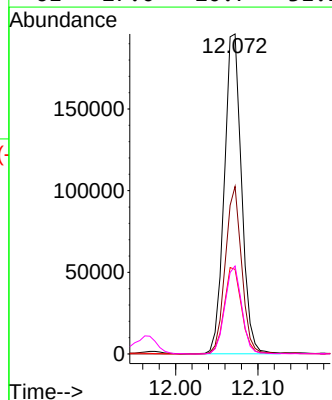
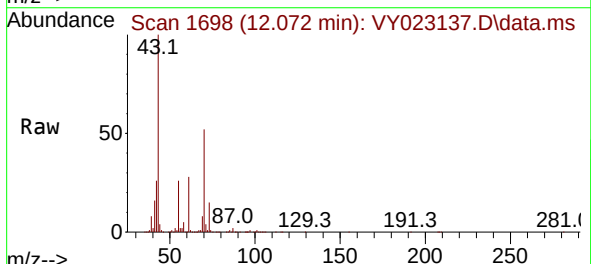
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

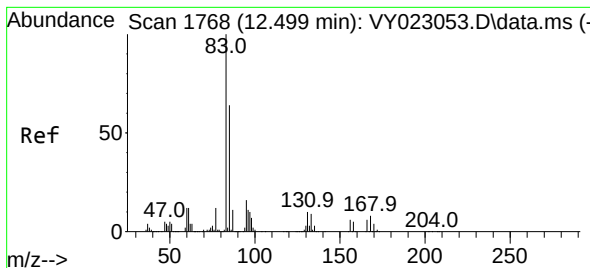
Tgt Ion:105 Resp: 1455261
Ion Ratio Lower Upper
105 100
120 27.2 13.4 40.2



#74
N-ethyl acetate
Concen: 48.584 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Tgt Ion: 43 Resp: 285441
Ion Ratio Lower Upper
43 100
70 49.8 37.5 56.3
55 27.3 20.7 31.1
61 27.0 20.7 31.1

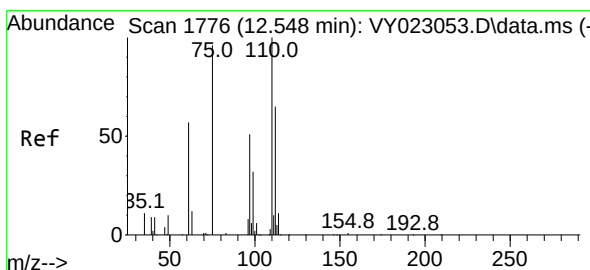
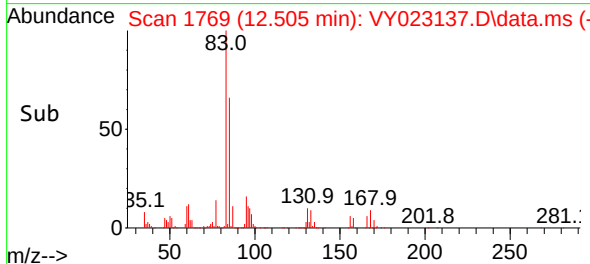
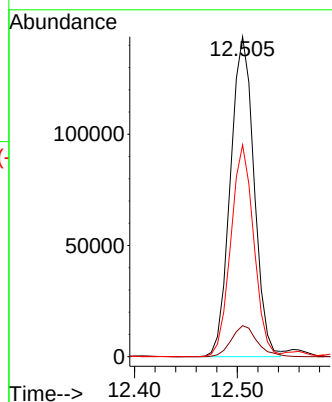
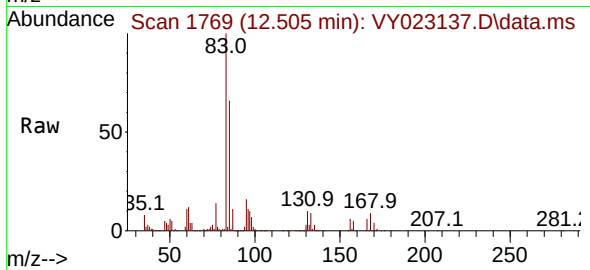




#75
1,1,2,2-Tetrachloroethane
Concen: 48.639 ug/l
RT: 12.505 min Scan# 1769
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

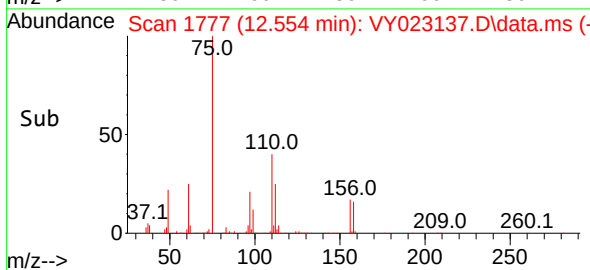
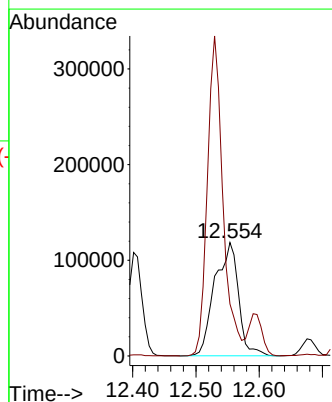
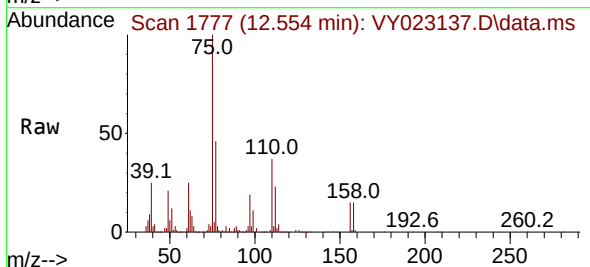
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

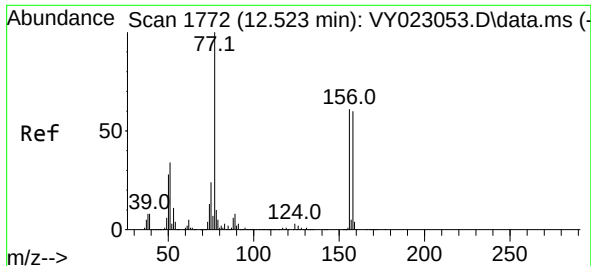
Tgt Ion: 83 Resp: 230085
Ion Ratio Lower Upper
83 100
131 10.6 5.1 15.3
85 64.3 31.8 95.3



#76
1,2,3-Trichloropropane
Concen: 81.222 ug/l
RT: 12.554 min Scan# 1777
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Tgt Ion: 75 Resp: 307699
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0

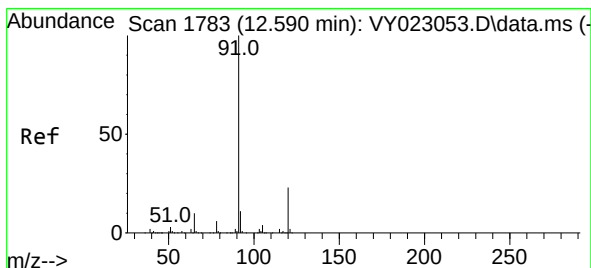
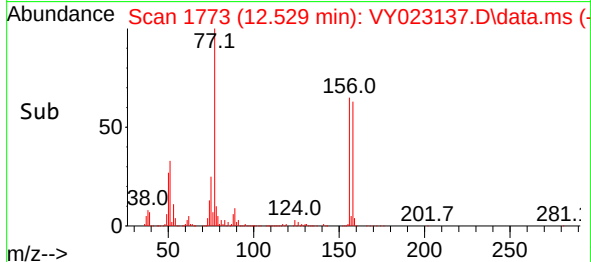
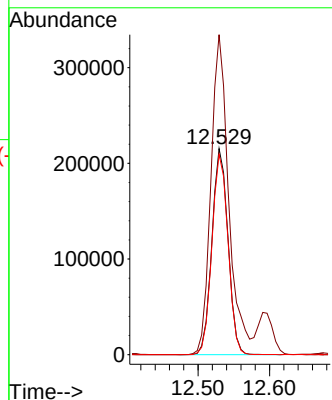
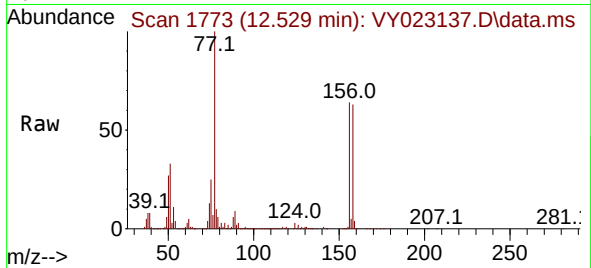




#77
Bromobenzene
Concen: 50.968 ug/l
RT: 12.529 min Scan# 1773
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

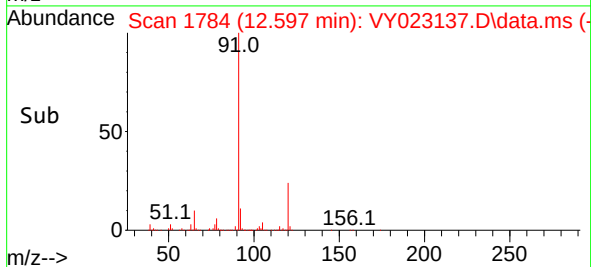
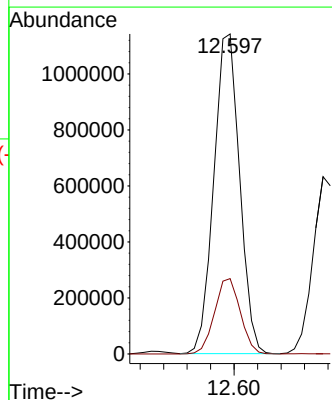
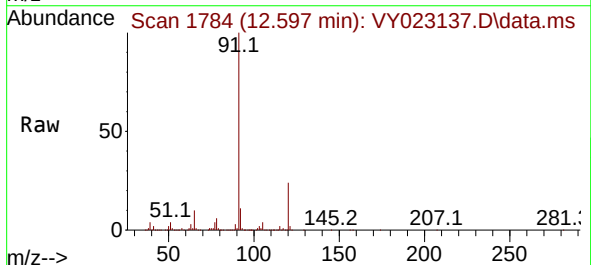
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

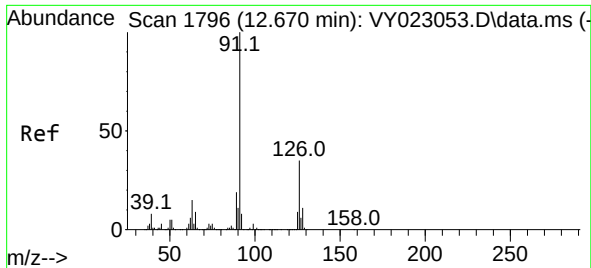
Tgt Ion:156 Resp: 336874
Ion Ratio Lower Upper
156 100
77 170.5 88.1 264.4
158 97.2 48.0 144.0



#78
n-propylbenzene
Concen: 52.806 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Tgt Ion: 91 Resp: 1741756
Ion Ratio Lower Upper
91 100
120 23.5 11.5 34.5

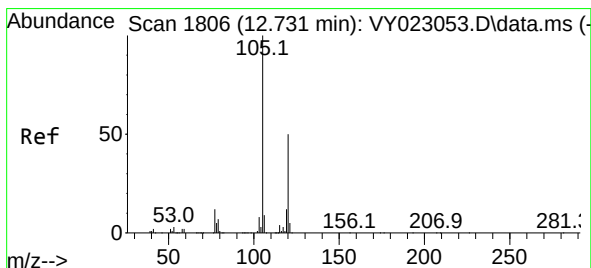
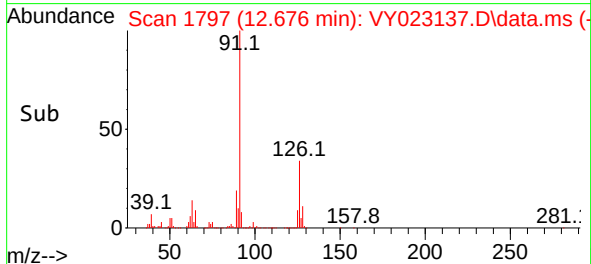
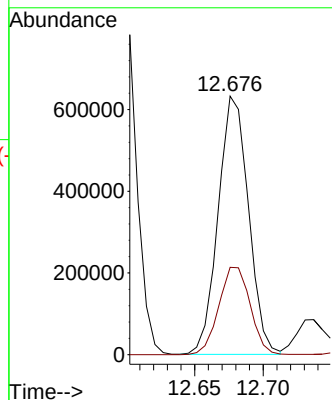
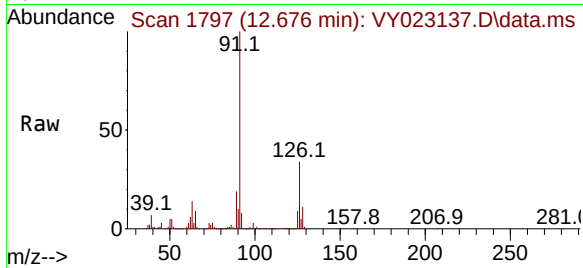




#79
2-Chlorotoluene
Concen: 51.594 ug/l
RT: 12.676 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

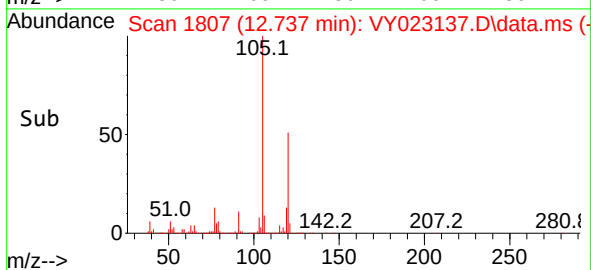
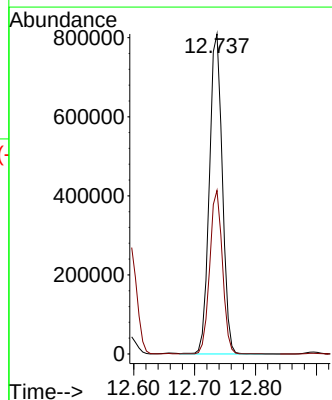
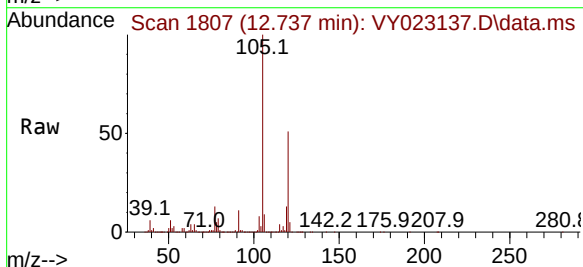
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

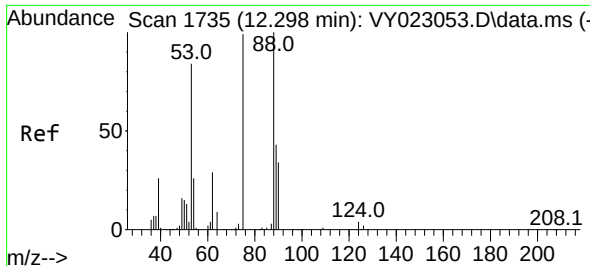
Tgt Ion: 91 Resp: 975057
Ion Ratio Lower Upper
91 100
126 35.0 17.4 52.3



#80
1,3,5-Trimethylbenzene
Concen: 53.229 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Tgt Ion: 105 Resp: 1191826
Ion Ratio Lower Upper
105 100
120 50.1 24.8 74.4

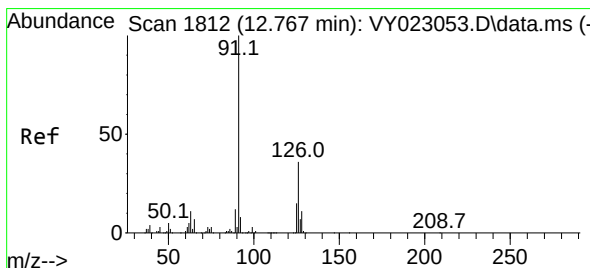
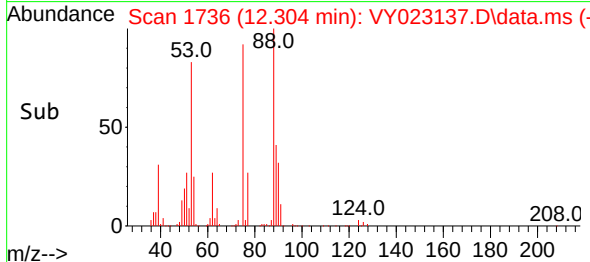
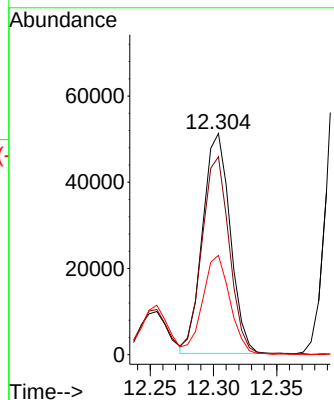
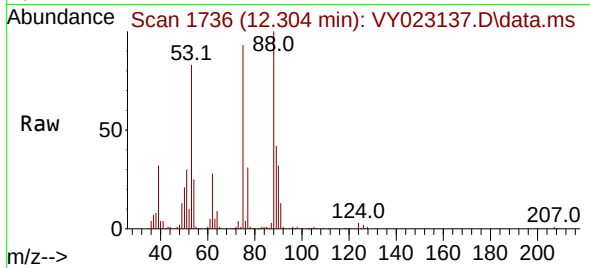




#81
trans-1,4-Dichloro-2-butene
Concen: 49.570 ug/l
RT: 12.304 min Scan# 1736
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

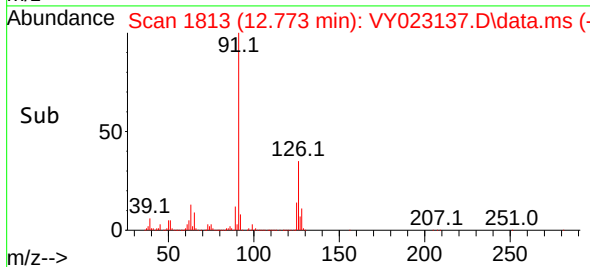
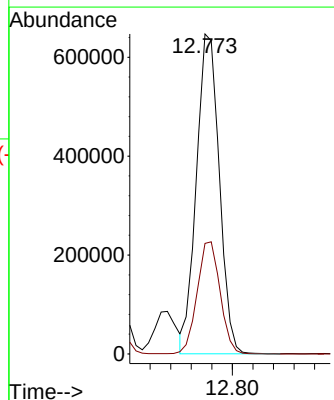
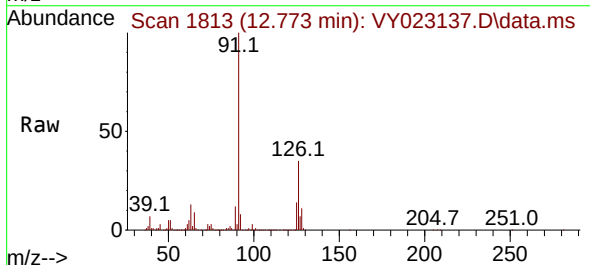
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

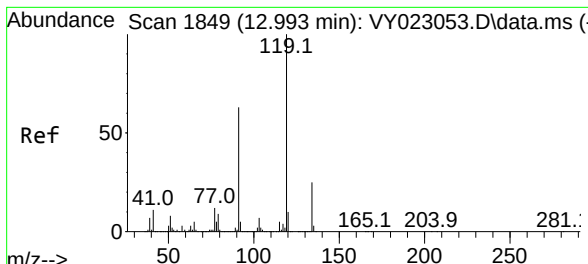
Tgt Ion: 75 Resp: 77577
Ion Ratio Lower Upper
75 100
53 89.8 70.8 106.2
89 45.4 38.1 57.1



#82
4-Chlorotoluene
Concen: 51.036 ug/l
RT: 12.773 min Scan# 1813
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Tgt Ion: 91 Resp: 1000547
Ion Ratio Lower Upper
91 100
126 35.2 17.3 52.0

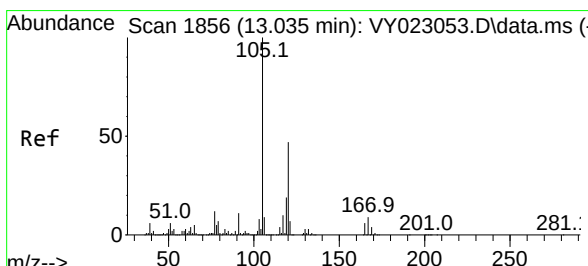
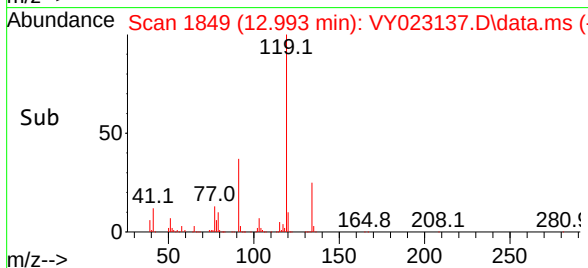
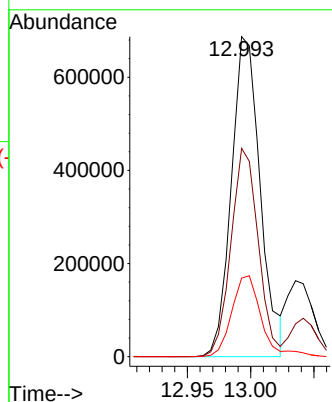
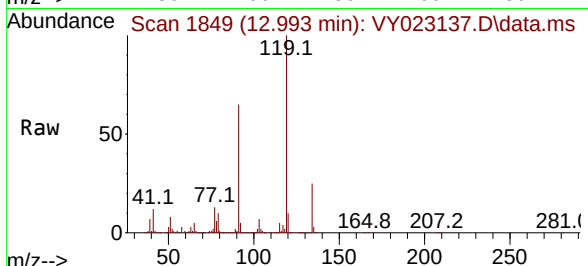




#83
 tert-Butylbenzene
 Concen: 53.956 ug/l
 RT: 12.993 min Scan# 1191
 Delta R.T. 0.000 min
 Lab File: VY023137.D
 Acq: 19 Aug 2025 09:11

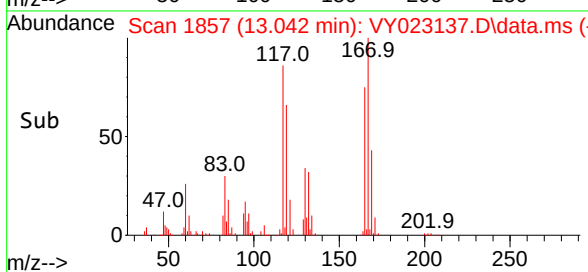
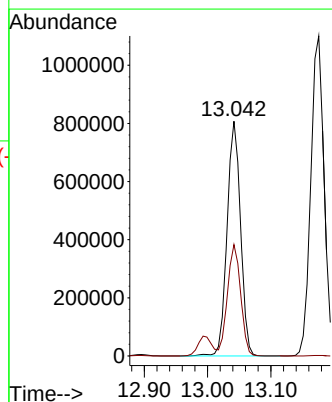
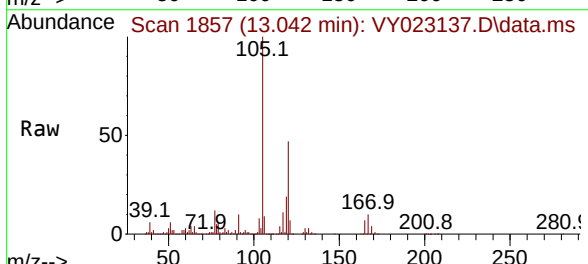
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

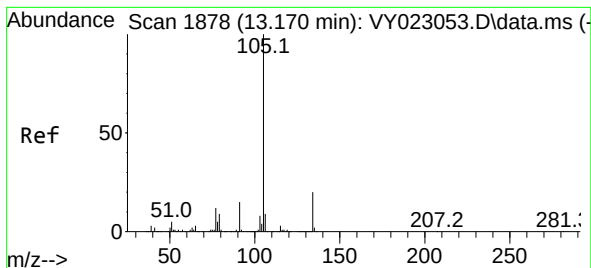
Tgt Ion:119 Resp: 1091125
 Ion Ratio Lower Upper
 119 100
 91 61.6 31.6 94.8
 134 25.9 12.9 38.7



#84
 1,2,4-Trimethylbenzene
 Concen: 53.459 ug/l
 RT: 13.042 min Scan# 1857
 Delta R.T. 0.006 min
 Lab File: VY023137.D
 Acq: 19 Aug 2025 09:11

Tgt Ion:105 Resp: 1191535
 Ion Ratio Lower Upper
 105 100
 120 46.2 23.0 69.0





#85

sec-Butylbenzene

Concen: 53.673 ug/l

RT: 13.176 min Scan# 1878

Delta R.T. 0.006 min

Lab File: VY023137.D

Acq: 19 Aug 2025 09:11

Instrument :

MSVOA_Y

ClientSampleId :

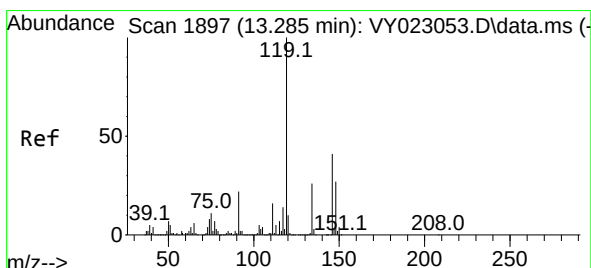
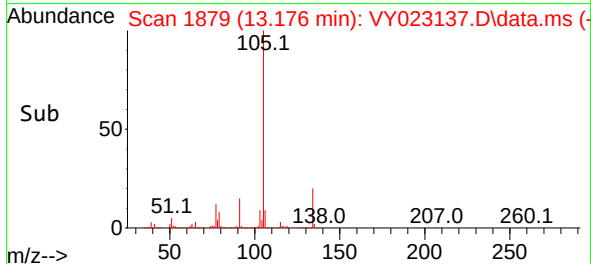
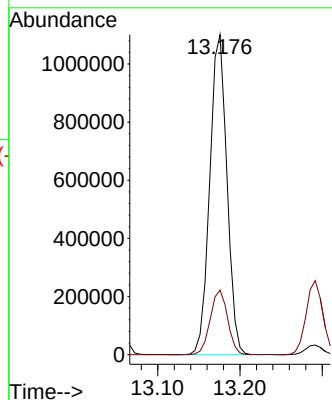
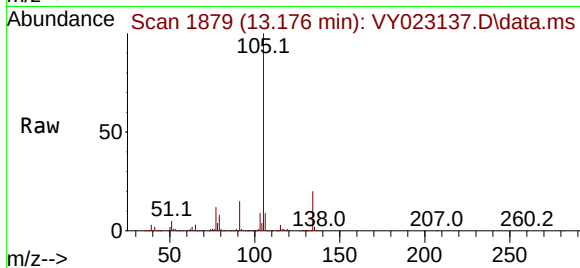
VSTDCCC050

Tgt Ion:105 Resp: 1594423

Ion Ratio Lower Upper

105 100

134 20.4 10.2 30.4



#86

p-Isopropyltoluene

Concen: 55.063 ug/l

RT: 13.292 min Scan# 1898

Delta R.T. 0.006 min

Lab File: VY023137.D

Acq: 19 Aug 2025 09:11

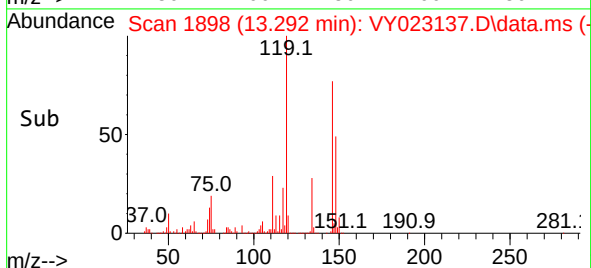
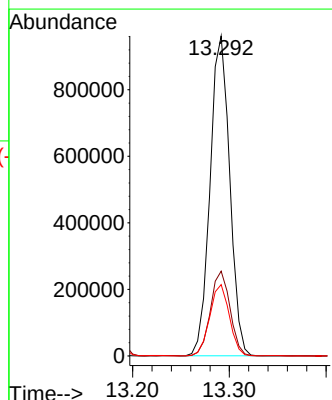
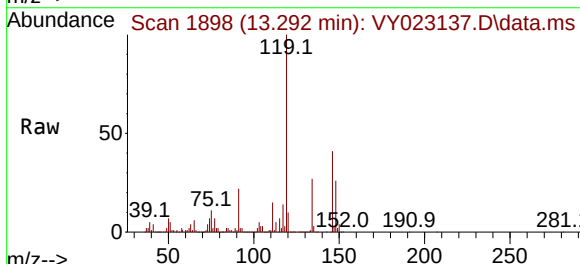
Tgt Ion:119 Resp: 1357746

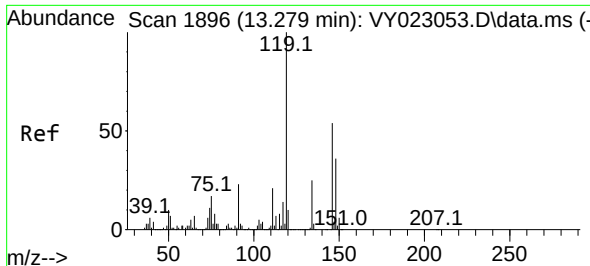
Ion Ratio Lower Upper

119 100

134 26.4 13.2 39.6

91 22.2 11.3 33.8





#87

1,3-Dichlorobenzene

Concen: 52.231 ug/l

RT: 13.285 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY023137.D

Acq: 19 Aug 2025 09:11

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

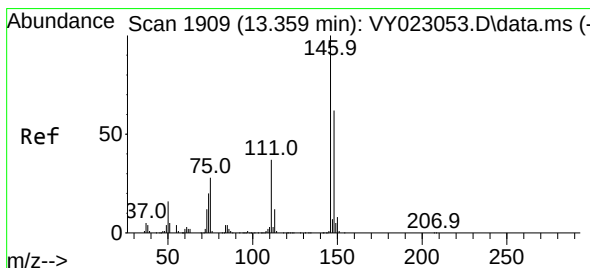
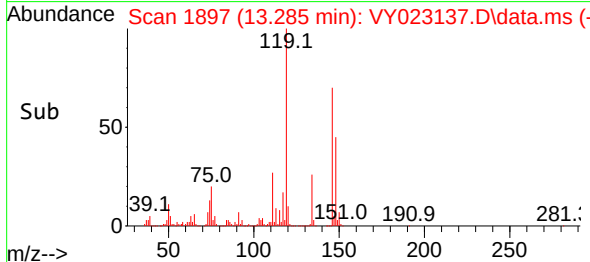
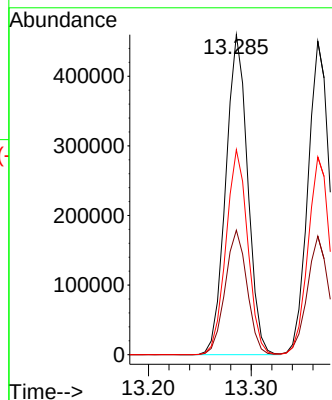
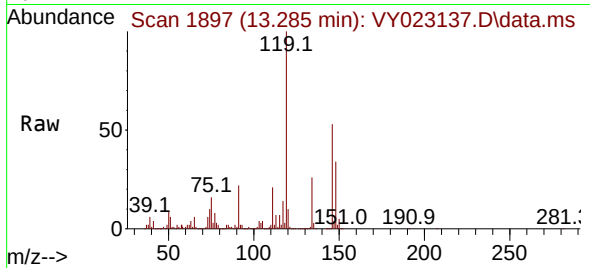
Tgt Ion:146 Resp: 680781

Ion Ratio Lower Upper

146 100

111 38.9 19.6 58.7

148 63.7 32.5 97.5



#88

1,4-Dichlorobenzene

Concen: 51.281 ug/l

RT: 13.365 min Scan# 1910

Delta R.T. 0.006 min

Lab File: VY023137.D

Acq: 19 Aug 2025 09:11

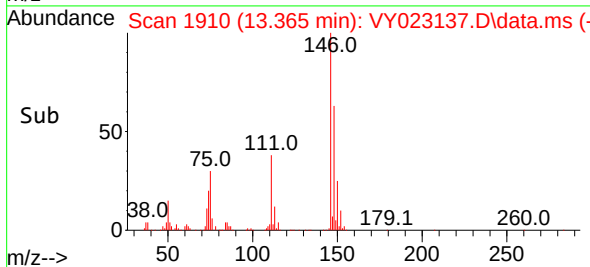
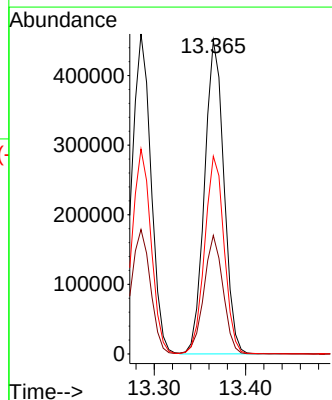
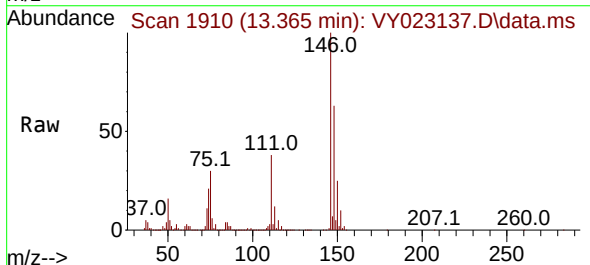
Tgt Ion:146 Resp: 663039

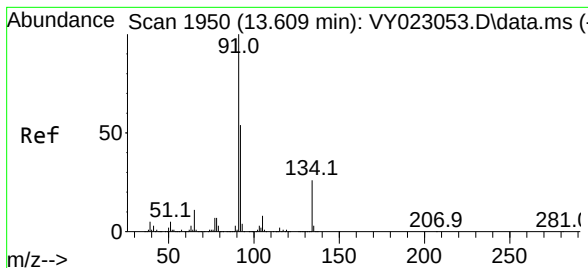
Ion Ratio Lower Upper

146 100

111 37.4 19.1 57.1

148 63.4 31.6 94.7





#89

n-Butylbenzene

Concen: 54.384 ug/l

RT: 13.615 min Scan# 1951

Delta R.T. 0.006 min

Lab File: VY023137.D

Acq: 19 Aug 2025 09:11

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

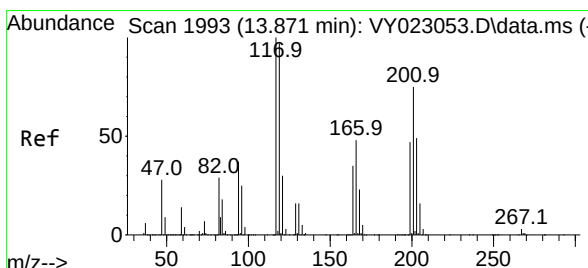
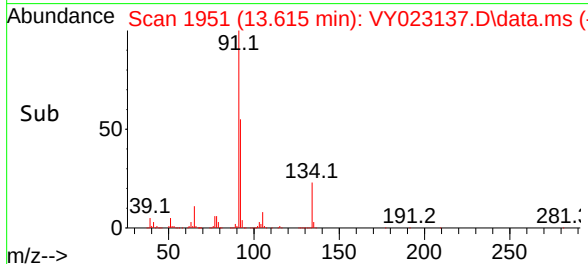
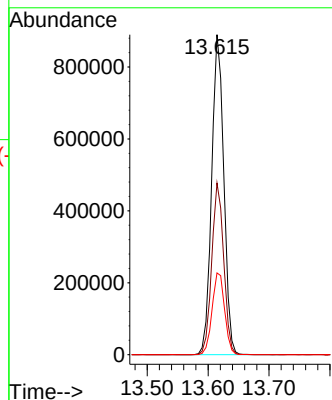
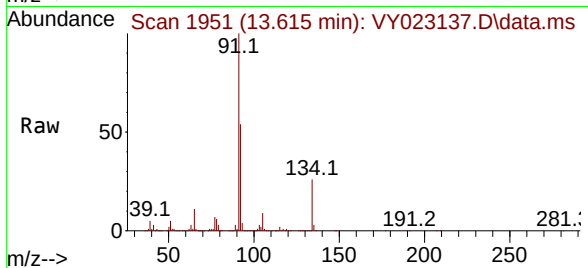
Tgt Ion: 91 Resp: 1231645

Ion Ratio Lower Upper

91 100

92 53.0 26.9 80.7

134 26.4 13.2 39.5



#90

Hexachloroethane

Concen: 52.354 ug/l

RT: 13.877 min Scan# 1994

Delta R.T. 0.006 min

Lab File: VY023137.D

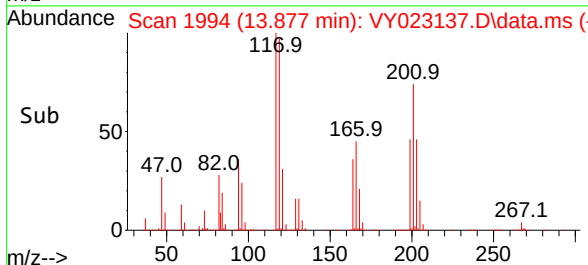
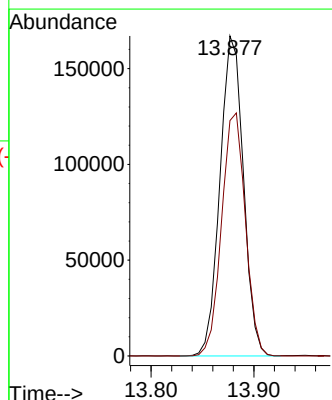
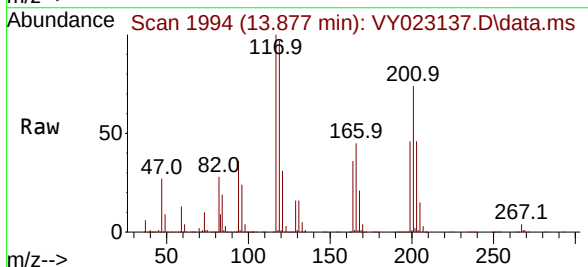
Acq: 19 Aug 2025 09:11

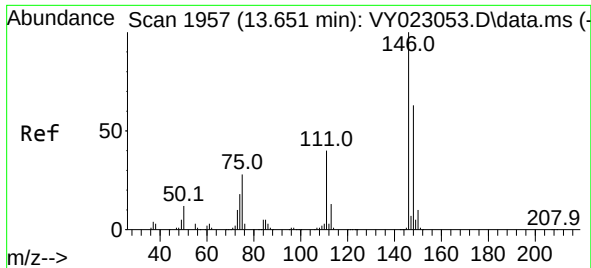
Tgt Ion: 117 Resp: 264268

Ion Ratio Lower Upper

117 100

201 77.1 38.4 115.1

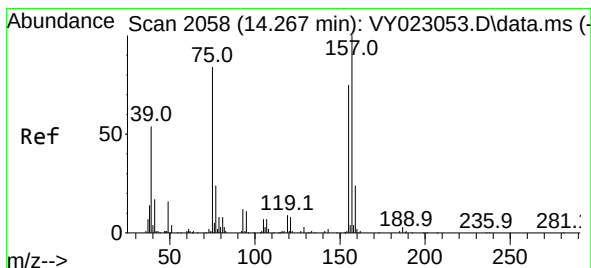
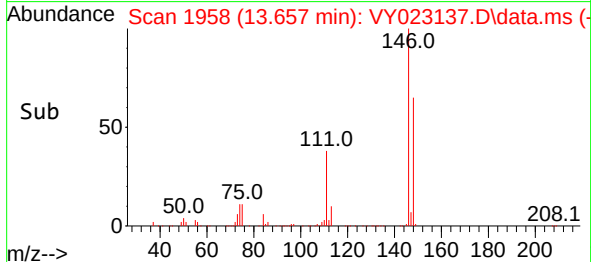
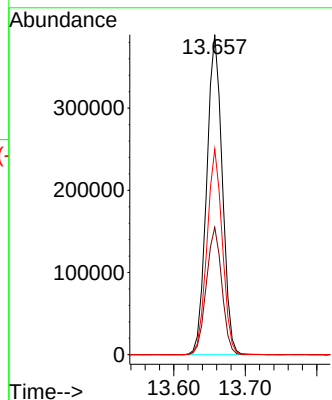
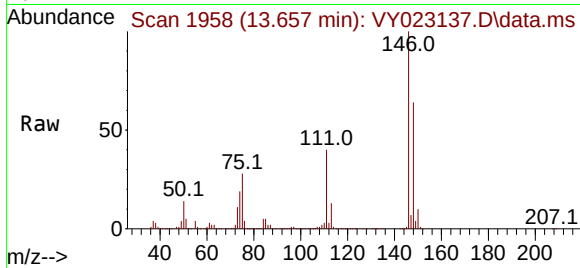




#91
1,2-Dichlorobenzene
Concen: 51.489 ug/l
RT: 13.657 min Scan# 1957
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

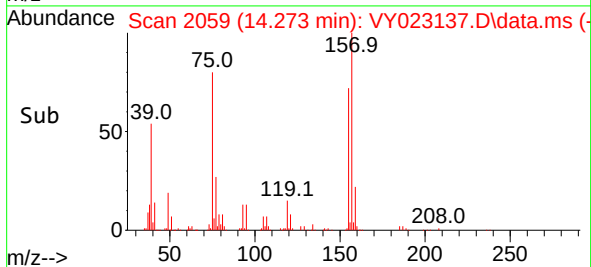
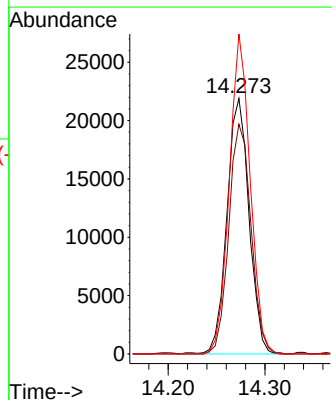
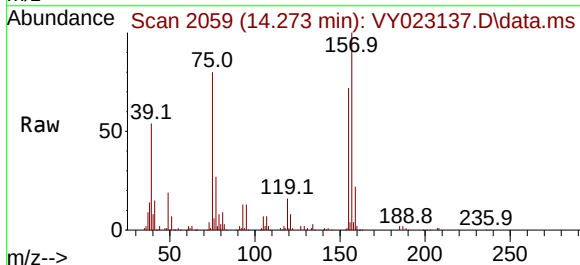
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

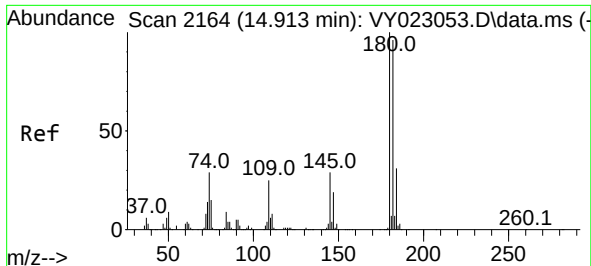
Tgt Ion:146 Resp: 588570
Ion Ratio Lower Upper
146 100
111 39.7 20.3 60.8
148 63.3 32.2 96.6



#92
1,2-Dibromo-3-Chloropropane
Concen: 47.081 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Tgt Ion: 75 Resp: 34676
Ion Ratio Lower Upper
75 100
155 90.7 43.9 131.6
157 118.4 57.2 171.6

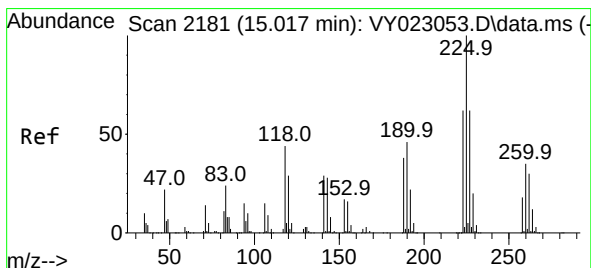
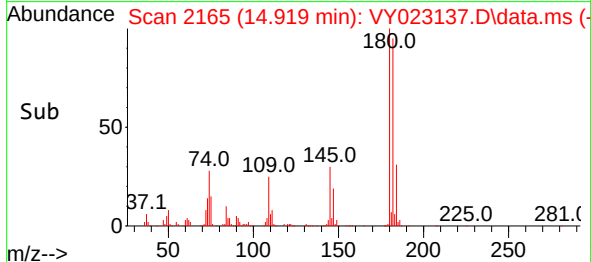
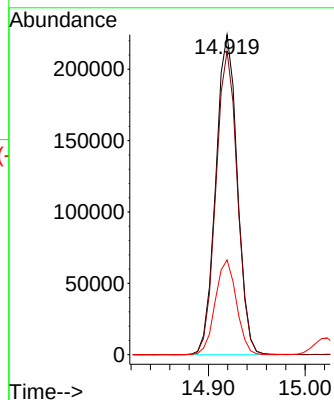
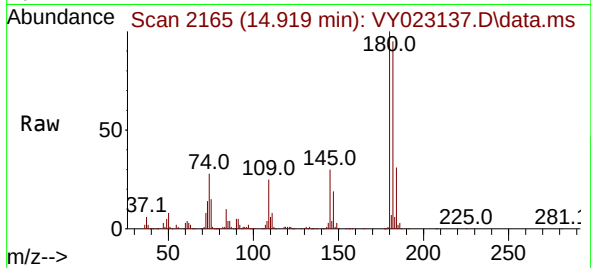




#93
1,2,4-Trichlorobenzene
Concen: 51.158 ug/l
RT: 14.919 min Scan# 2165
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

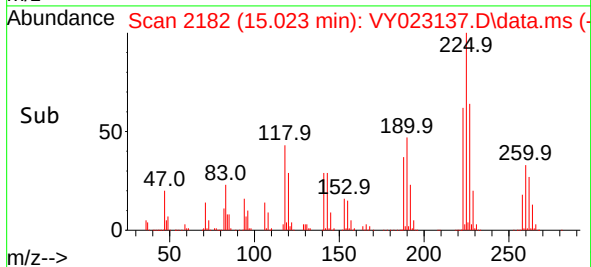
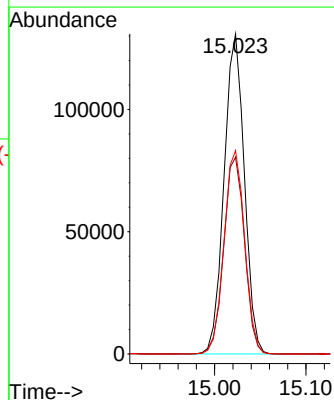
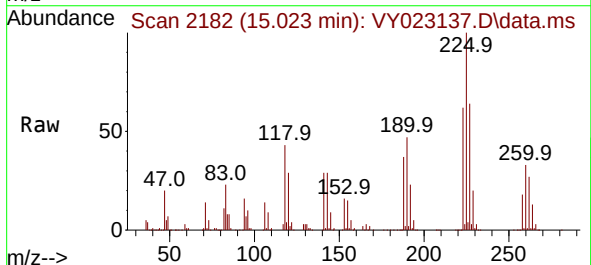
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

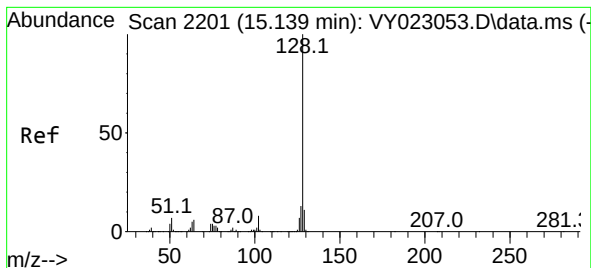
Tgt Ion:180 Resp: 345818
Ion Ratio Lower Upper
180 100
182 94.4 46.8 140.4
145 29.3 14.4 43.4



#94
Hexachlorobutadiene
Concen: 50.885 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.006 min
Lab File: VY023137.D
Acq: 19 Aug 2025 09:11

Tgt Ion:225 Resp: 202124
Ion Ratio Lower Upper
225 100
223 62.8 31.3 93.8
227 64.8 31.5 94.5





#95

Naphthalene

Concen: 51.208 ug/l

RT: 15.145 min Scan# 21

Delta R.T. 0.006 min

Lab File: VY023137.D

Acq: 19 Aug 2025 09:11

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

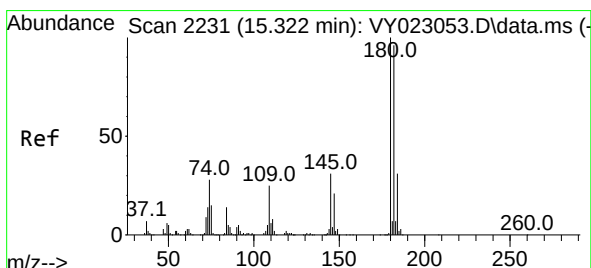
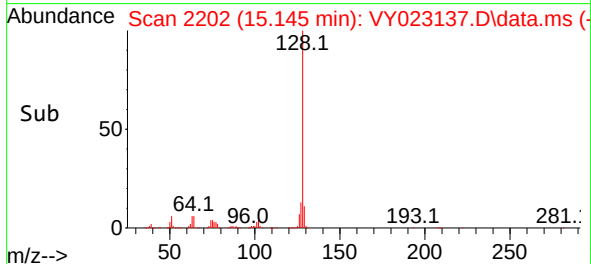
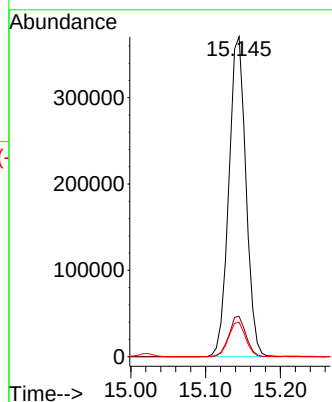
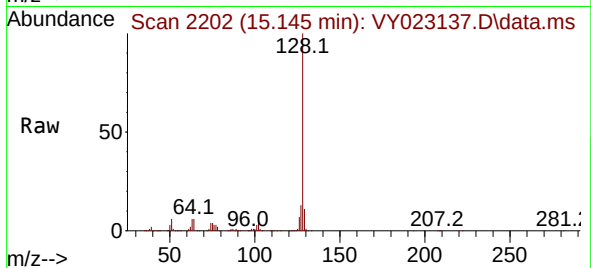
Tgt Ion:128 Resp: 590257

Ion Ratio Lower Upper

128 100

127 12.6 10.4 15.6

129 10.9 9.0 13.4



#96

1,2,3-Trichlorobenzene

Concen: 49.517 ug/l

RT: 15.328 min Scan# 2232

Delta R.T. 0.006 min

Lab File: VY023137.D

Acq: 19 Aug 2025 09:11

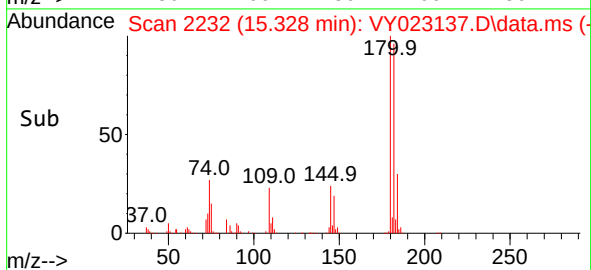
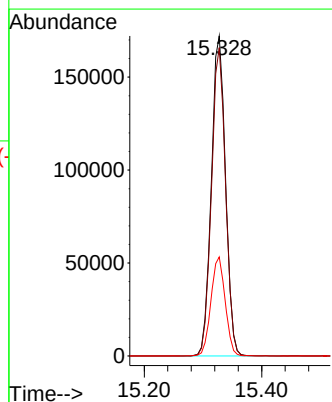
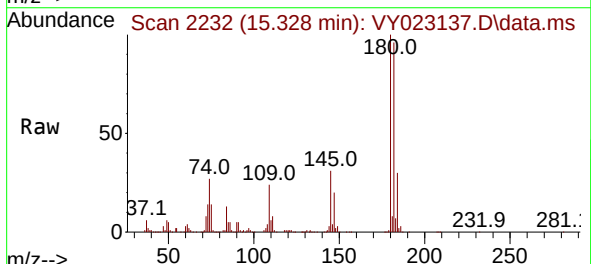
Tgt Ion:180 Resp: 288433

Ion Ratio Lower Upper

180 100

182 95.5 47.9 143.7

145 31.1 15.9 47.7



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081925\
 Data File : VY023139.D
 Acq On : 19 Aug 2025 10:19
 Operator : SY/MD
 Sample : VY0819SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0819SBS01

Quant Time: Aug 20 01:24:30 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 13 02:10:11 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	517532	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	816918	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.413	117	707204	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	352720	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.060	65	233623	47.365	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	94.720%
35) Dibromofluoromethane	7.634	113	237406	48.567	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.140%
50) Toluene-d8	10.109	98	947313	49.608	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.220%
62) 4-Bromofluorobenzene	12.401	95	298119	48.544	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	97.080%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.866	85	87281	20.661	ug/l	100
3) Chloromethane	2.074	50	138015	20.171	ug/l	100
4) Vinyl Chloride	2.208	62	173827	20.552	ug/l	99
5) Bromomethane	2.592	94	146241	23.152	ug/l	98
6) Chloroethane	2.738	64	116717	20.757	ug/l	99
7) Trichlorofluoromethane	3.055	101	205259	19.958	ug/l	98
8) Diethyl Ether	3.458	74	54043	19.862	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.817	101	109139	21.510	ug/l	99
10) Methyl Iodide	4.006	142	105447	19.260	ug/l	99
11) Tert butyl alcohol	4.860	59	29364	86.885	ug/l	100
12) 1,1-Dichloroethene	3.793	96	103754	20.804	ug/l	91
13) Acrolein	3.653	56	35491	71.706	ug/l	96
14) Allyl chloride	4.384	41	138299	18.846	ug/l	96
15) Acrylonitrile	5.055	53	104521	94.488	ug/l	98
16) Acetone	3.872	43	120414	112.685	ug/l	98
17) Carbon Disulfide	4.104	76	323680	19.905	ug/l	99
18) Methyl Acetate	4.384	43	55412	17.426	ug/l	97
19) Methyl tert-butyl Ether	5.116	73	254848	19.720	ug/l	97
20) Methylene Chloride	4.616	84	114203	18.875	ug/l	97
21) trans-1,2-Dichloroethene	5.116	96	117658	20.993	ug/l	96
22) Diisopropyl ether	6.018	45	314582	19.728	ug/l	95
23) Vinyl Acetate	5.963	43	837107	94.938	ug/l	97
24) 1,1-Dichloroethane	5.921	63	194782	19.979	ug/l	100
25) 2-Butanone	6.890	43	146563	100.847	ug/l	99
26) 2,2-Dichloropropane	6.890	77	179625	21.352	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	133354	20.582	ug/l	97
28) Bromochloromethane	7.244	49	75324	19.474	ug/l	96
29) Tetrahydrofuran	7.262	42	81427	90.389	ug/l	98
30) Chloroform	7.426	83	208029	20.690	ug/l	100
31) Cyclohexane	7.701	56	180441	19.640	ug/l	94
32) 1,1,1-Trichloroethane	7.615	97	185862	20.833	ug/l	99
36) 1,1-Dichloropropene	7.835	75	149696	20.606	ug/l	99
37) Ethyl Acetate	6.981	43	56943	18.660	ug/l	98
38) Carbon Tetrachloride	7.817	117	169089	21.430	ug/l	99
39) Methylcyclohexane	9.109	83	199011	20.803	ug/l	99
40) Benzene	8.079	78	471421	21.055	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081925\
 Data File : VY023139.D
 Acq On : 19 Aug 2025 10:19
 Operator : SY/MD
 Sample : VY0819SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0819SBS01

Quant Time: Aug 20 01:24:30 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 13 02:10:11 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.219	41	27802	15.786	ug/l #	85
42) 1,2-Dichloroethane	8.158	62	117552	20.187	ug/l	100
43) Isopropyl Acetate	8.195	43	113681	18.431	ug/l	99
44) Trichloroethene	8.865	130	122590	21.187	ug/l	98
45) 1,2-Dichloropropane	9.140	63	105641	20.506	ug/l	99
46) Dibromomethane	9.231	93	62014	20.972	ug/l	97
47) Bromodichloromethane	9.420	83	157692	20.725	ug/l	98
48) Methyl methacrylate	9.219	41	54599	18.499	ug/l	93
49) 1,4-Dioxane	9.231	88	13295	383.459	ug/l	96
51) 4-Methyl-2-Pentanone	9.999	43	298177	93.721	ug/l	99
52) Toluene	10.170	92	299030	21.028	ug/l	99
53) t-1,3-Dichloropropene	10.395	75	138793	20.144	ug/l	99
54) cis-1,3-Dichloropropene	9.853	75	166637	20.453	ug/l	98
55) 1,1,2-Trichloroethane	10.572	97	80520	20.350	ug/l	95
56) Ethyl methacrylate	10.438	69	94888	18.741	ug/l	99
57) 1,3-Dichloropropane	10.718	76	138195	20.594	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.713	63	226098	94.672	ug/l	98
59) 2-Hexanone	10.761	43	214547	99.034	ug/l	100
60) Dibromochloromethane	10.907	129	107311	20.554	ug/l	100
61) 1,2-Dibromoethane	11.017	107	75418	20.280	ug/l	100
64) Tetrachloroethene	10.645	164	129655	20.532	ug/l	99
65) Chlorobenzene	11.438	112	325629	21.346	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.517	131	109752	21.199	ug/l	98
67) Ethyl Benzene	11.517	91	545176	20.767	ug/l	98
68) m/p-Xylenes	11.627	106	430120	41.951	ug/l	100
69) o-Xylene	11.956	106	201847	21.020	ug/l	100
70) Styrene	11.968	104	330216	21.028	ug/l	99
71) Bromoform	12.127	173	62105	20.525	ug/l #	99
73) Isopropylbenzene	12.255	105	527385	21.185	ug/l	99
74) N-amyl acetate	12.066	43	98366	18.632	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.505	83	87962	20.694	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	112742	33.119	ug/l #	100
77) Bromobenzene	12.529	156	122298	20.592	ug/l	99
78) n-propylbenzene	12.596	91	629976	21.255	ug/l	99
79) 2-Chlorotoluene	12.675	91	356441	20.990	ug/l	100
80) 1,3,5-Trimethylbenzene	12.736	105	422945	21.022	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	27897	19.838	ug/l	98
82) 4-Chlorotoluene	12.773	91	366476	20.803	ug/l	99
83) tert-Butylbenzene	12.992	119	383813	21.122	ug/l	99
84) 1,2,4-Trimethylbenzene	13.041	105	426567	21.298	ug/l	99
85) sec-Butylbenzene	13.175	105	572911	21.463	ug/l	100
86) p-Isopropyltoluene	13.291	119	473600	21.375	ug/l	100
87) 1,3-Dichlorobenzene	13.285	146	245224	20.938	ug/l	98
88) 1,4-Dichlorobenzene	13.364	146	241992	20.829	ug/l	99
89) n-Butylbenzene	13.614	91	427124	20.989	ug/l	99
90) Hexachloroethane	13.876	117	97949	21.595	ug/l	98
91) 1,2-Dichlorobenzene	13.657	146	210816	20.524	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	12905	19.499	ug/l	98
93) 1,2,4-Trichlorobenzene	14.919	180	122439	20.157	ug/l	98
94) Hexachlorobutadiene	15.023	225	75487	21.149	ug/l	99
95) Naphthalene	15.145	128	198080	19.124	ug/l	99
96) 1,2,3-Trichlorobenzene	15.327	180	105286	20.115	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081925\
Data File : VY023139.D
Acq On : 19 Aug 2025 10:19
Operator : SY/MD
Sample : VY0819SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBS01

Quant Time: Aug 20 01:24:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

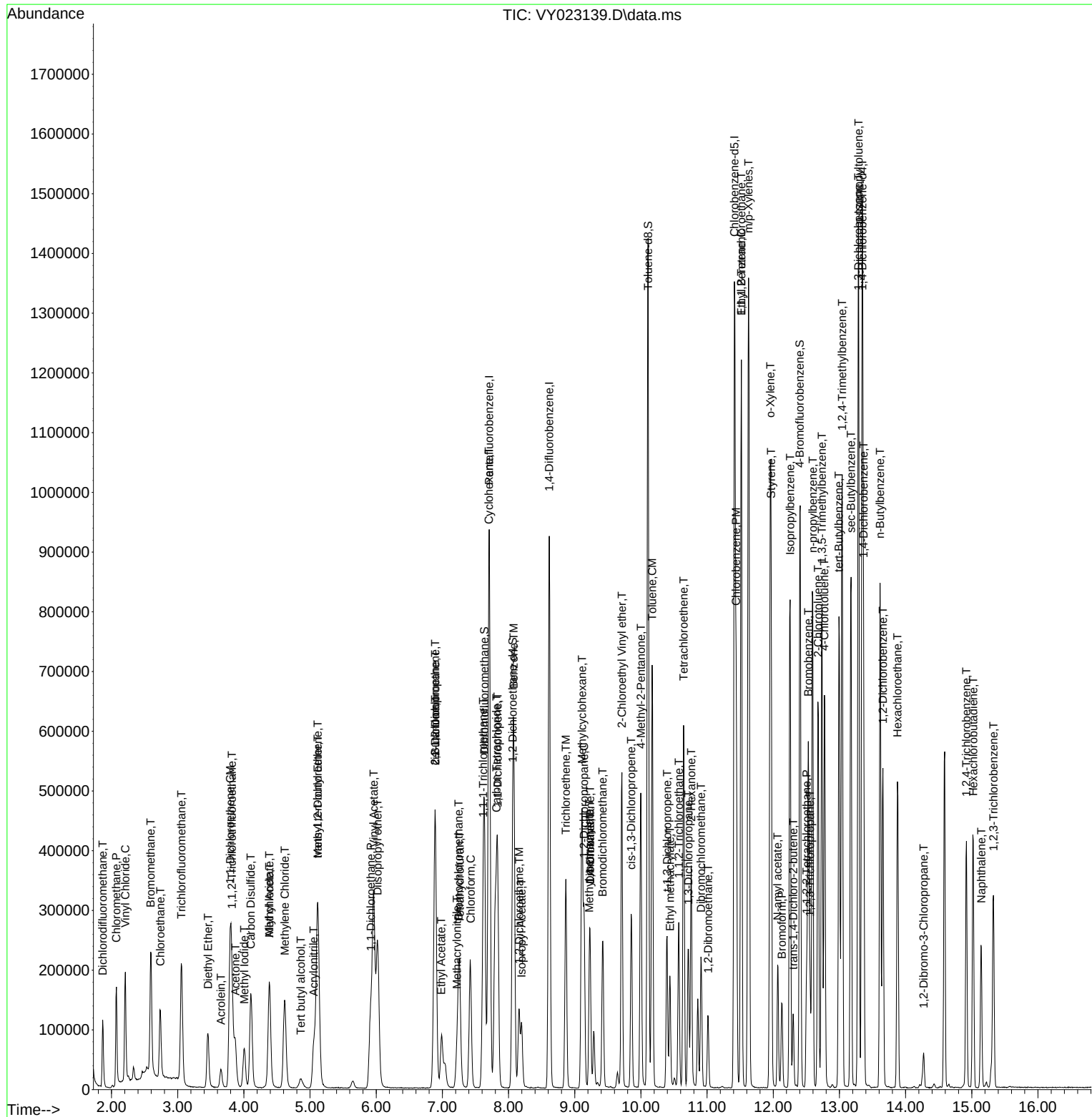
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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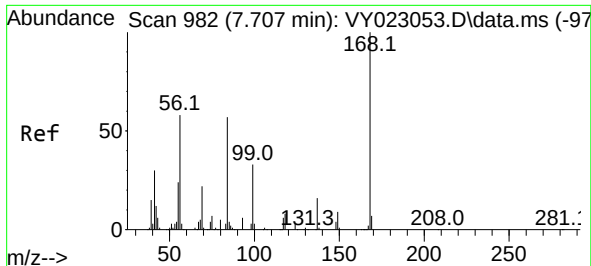
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081925\
Data File : VY023139.D
Acq On : 19 Aug 2025 10:19
Operator : SY/MD
Sample : VY0819SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBS01

Quant Time: Aug 20 01:24:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
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Response via : Initial Calibration

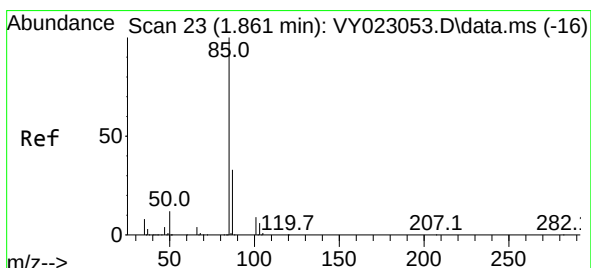
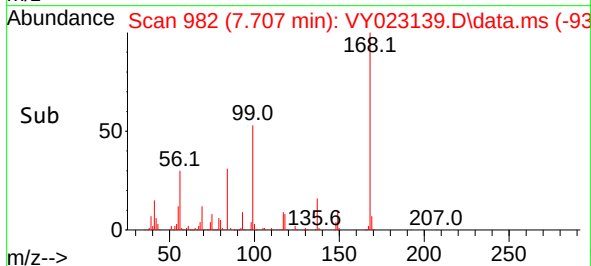
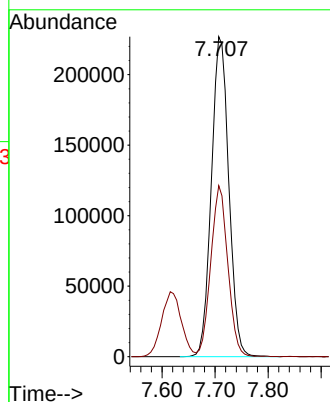
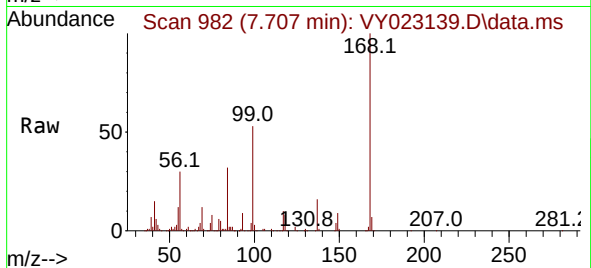




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

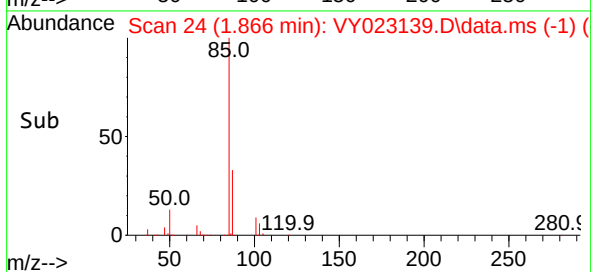
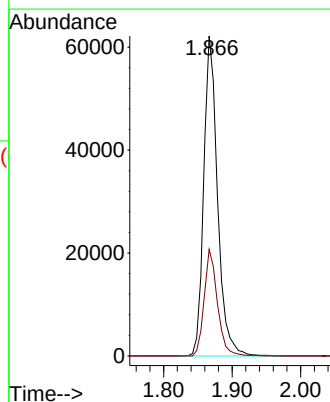
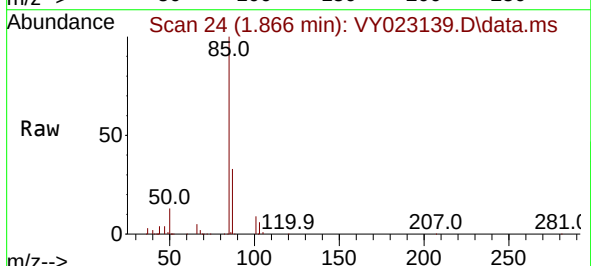
Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBS01

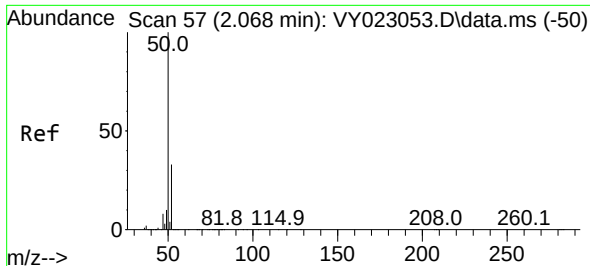
Tgt Ion:168 Resp: 517532
Ion Ratio Lower Upper
168 100
99 53.4 42.8 64.2



#2
Dichlorodifluoromethane
Concen: 20.661 ug/l
RT: 1.866 min Scan# 24
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Tgt Ion: 85 Resp: 87281
Ion Ratio Lower Upper
85 100
87 33.3 16.6 49.8

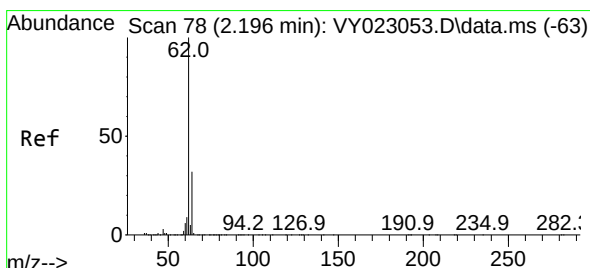
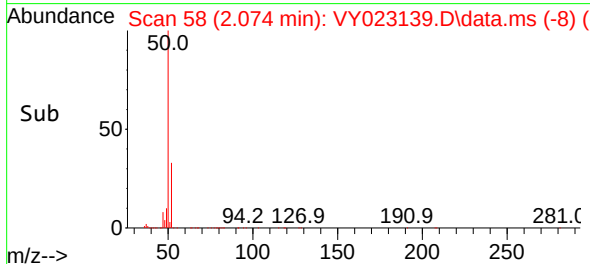
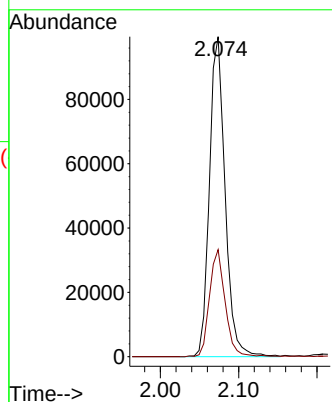
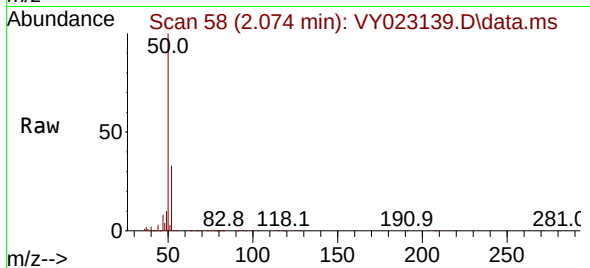




#3
Chloromethane
Concen: 20.171 ug/l
RT: 2.074 min Scan# 51
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

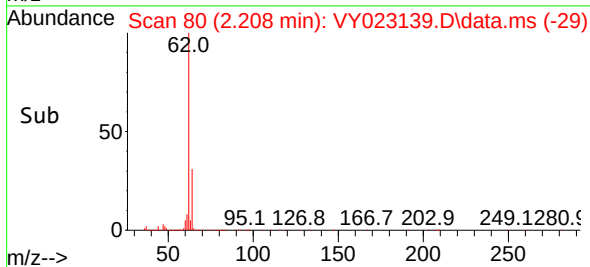
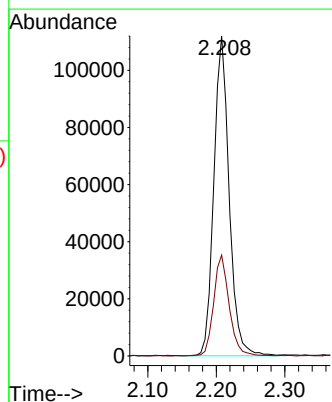
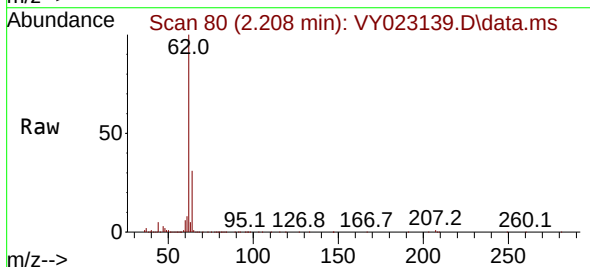
Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBS01

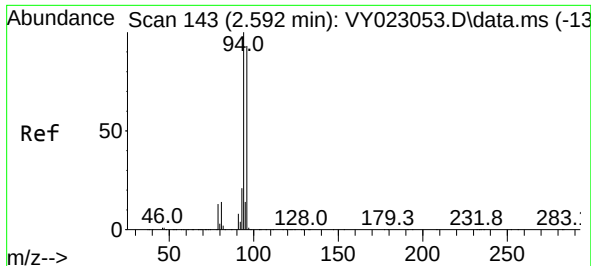
Tgt Ion: 50 Resp: 138015
Ion Ratio Lower Upper
50 100
52 33.5 26.7 40.1



#4
Vinyl Chloride
Concen: 20.552 ug/l
RT: 2.208 min Scan# 80
Delta R.T. 0.012 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Tgt Ion: 62 Resp: 173827
Ion Ratio Lower Upper
62 100
64 31.4 25.4 38.0

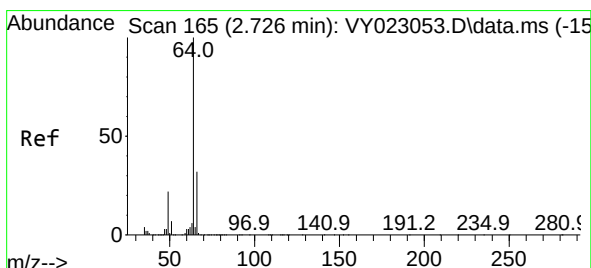
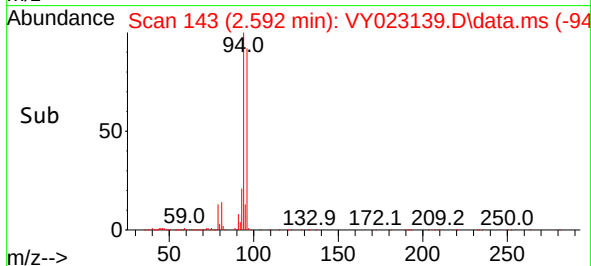
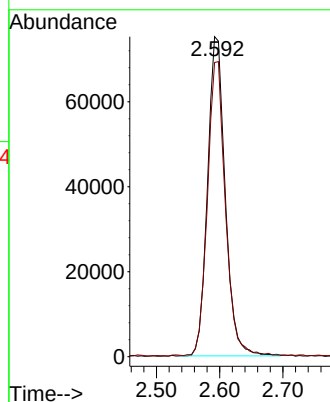
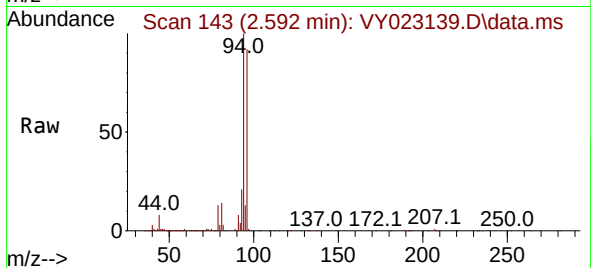




#5
Bromomethane
Concen: 23.152 ug/l
RT: 2.592 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

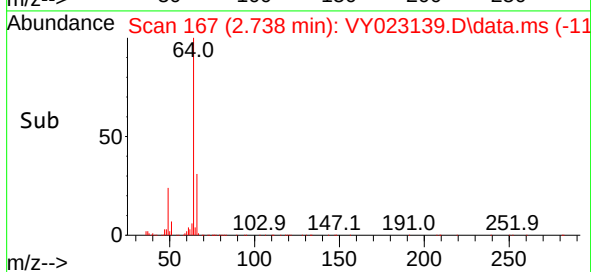
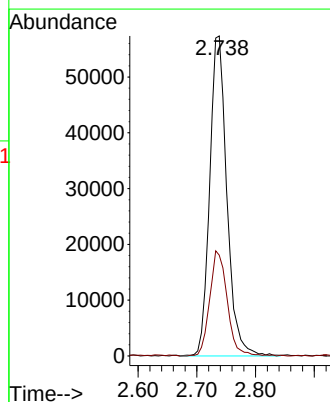
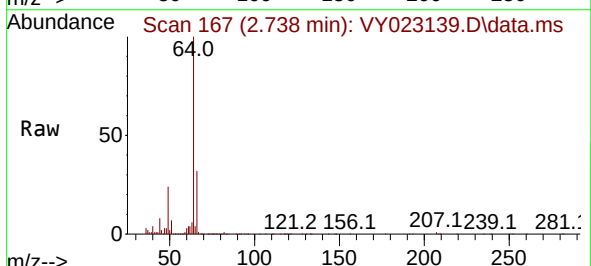
Instrument :
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ClientSampleId :
VY0819SBS01

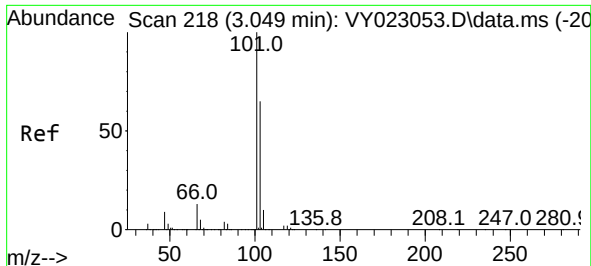
Tgt Ion: 94 Resp: 146241
Ion Ratio Lower Upper
94 100
96 91.7 74.6 112.0



#6
Chloroethane
Concen: 20.757 ug/l
RT: 2.738 min Scan# 167
Delta R.T. 0.012 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Tgt Ion: 64 Resp: 116717
Ion Ratio Lower Upper
64 100
66 31.5 25.8 38.6

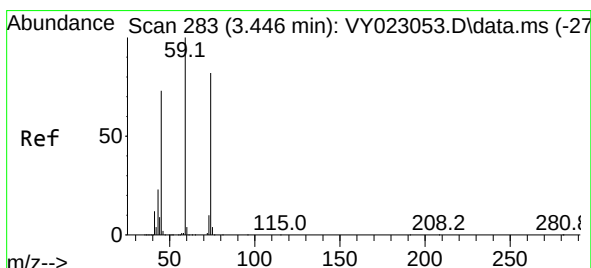
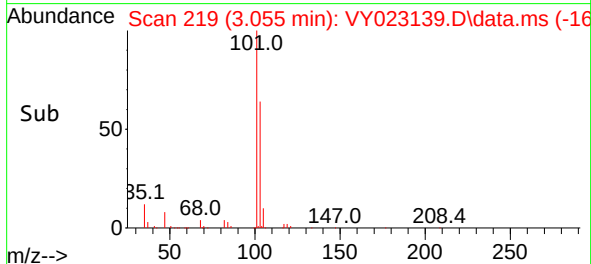
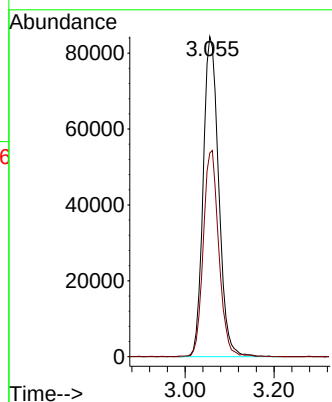
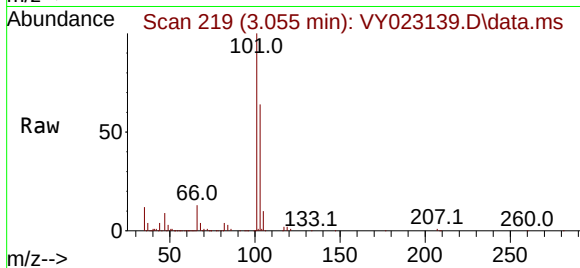




#7
Trichlorofluoromethane
Concen: 19.958 ug/l
RT: 3.055 min Scan# 218
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

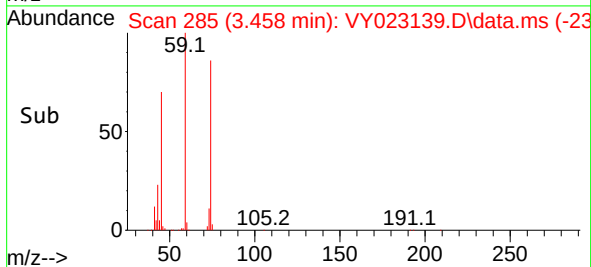
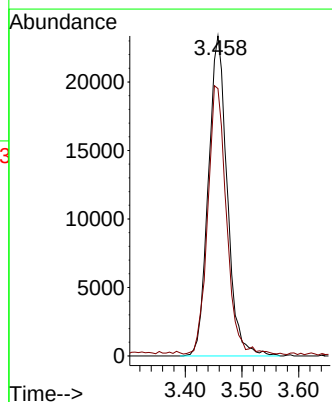
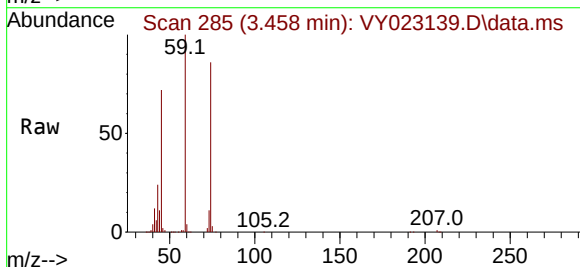
Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBS01

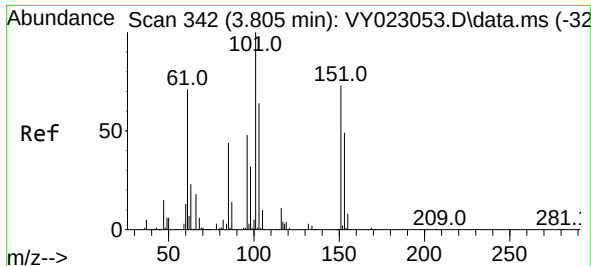
Tgt Ion:101 Resp: 205259
Ion Ratio Lower Upper
101 100
103 63.6 51.9 77.9



#8
Diethyl Ether
Concen: 19.862 ug/l
RT: 3.458 min Scan# 285
Delta R.T. 0.012 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Tgt Ion: 74 Resp: 54043
Ion Ratio Lower Upper
74 100
45 83.3 44.4 133.2

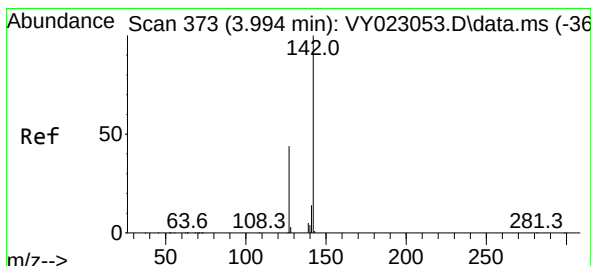
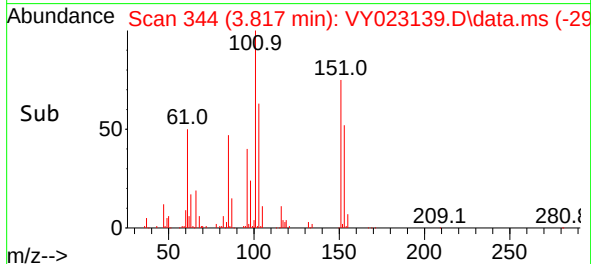
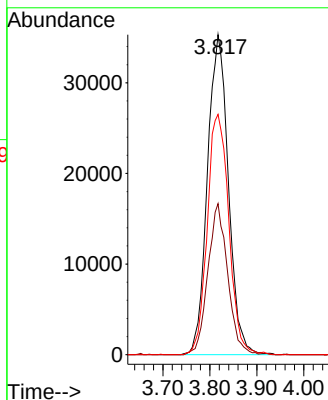
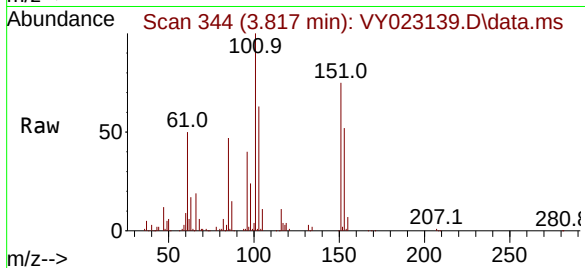




#9
1,1,2-Trichlorotrifluoroethane
Concen: 21.510 ug/l
RT: 3.817 min Scan# 34
Delta R.T. 0.012 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

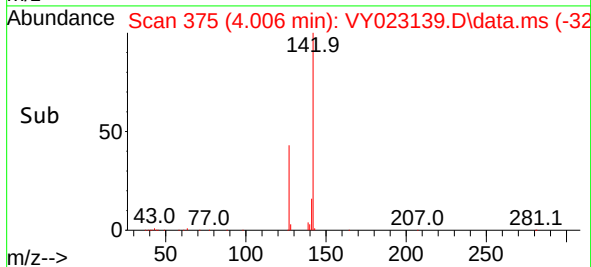
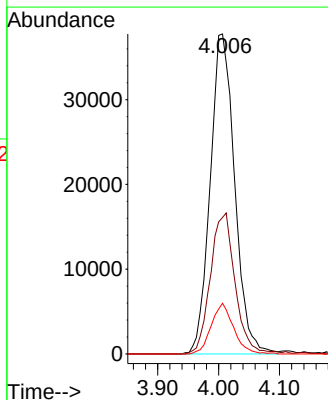
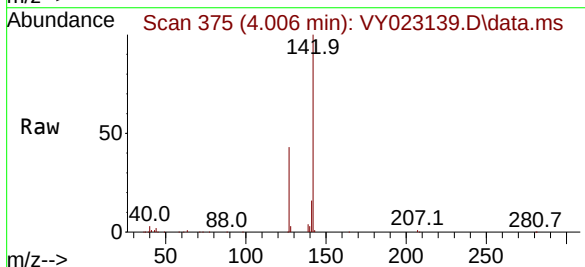
Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBS01

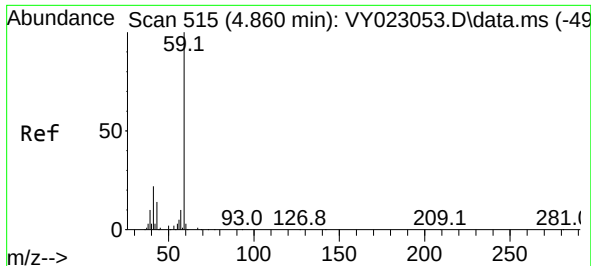
Tgt Ion:101 Resp: 109139
Ion Ratio Lower Upper
101 100
85 44.6 36.3 54.5
151 77.5 61.5 92.3



#10
Methyl Iodide
Concen: 19.260 ug/l
RT: 4.006 min Scan# 375
Delta R.T. 0.012 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Tgt Ion:142 Resp: 105447
Ion Ratio Lower Upper
142 100
127 44.5 34.9 52.3
141 14.5 11.3 16.9

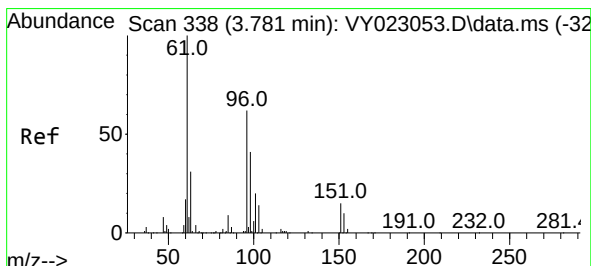
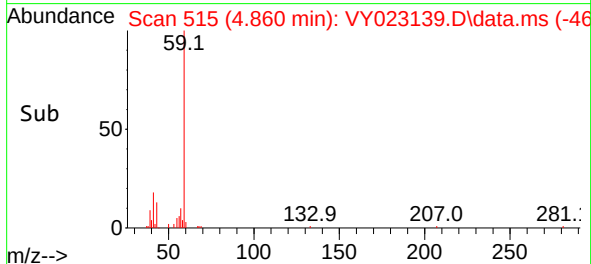
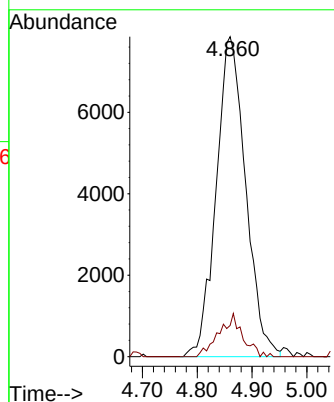
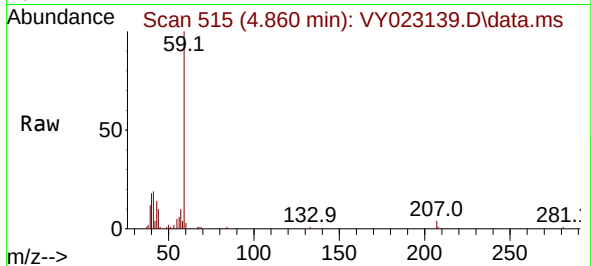




#11
Tert butyl alcohol
Concen: 86.885 ug/l
RT: 4.860 min Scan# 515
Delta R.T. -0.000 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

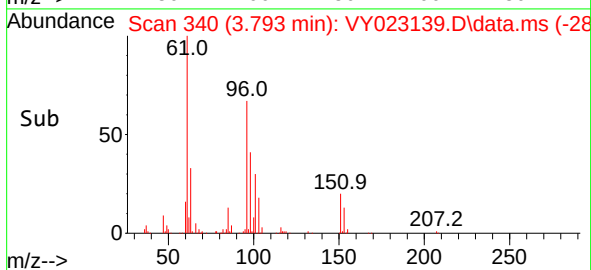
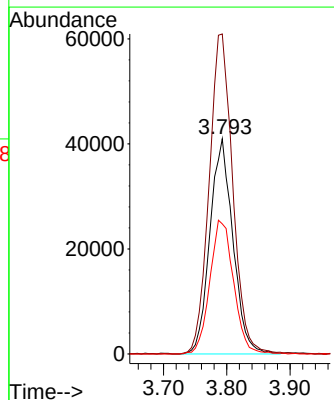
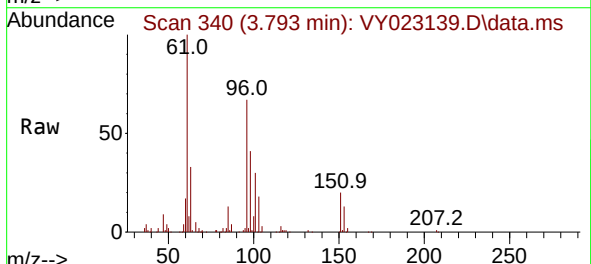
Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBS01

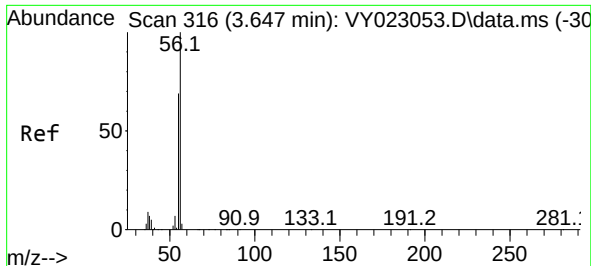
Tgt Ion: 59 Resp: 29364
Ion Ratio Lower Upper
59 100
57 10.8 8.6 13.0



#12
1,1-Dichloroethene
Concen: 20.804 ug/l
RT: 3.793 min Scan# 340
Delta R.T. 0.012 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Tgt Ion: 96 Resp: 103754
Ion Ratio Lower Upper
96 100
61 148.7 129.4 194.2
98 60.4 52.8 79.2

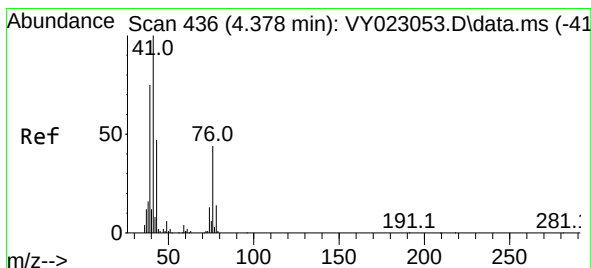
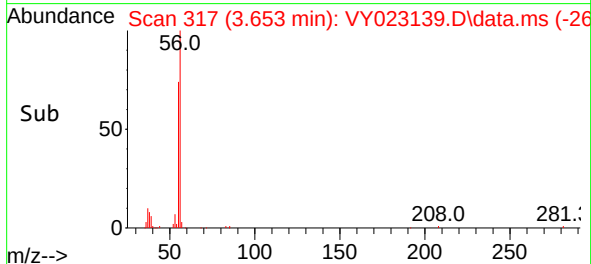
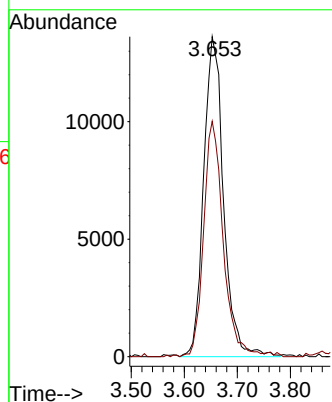
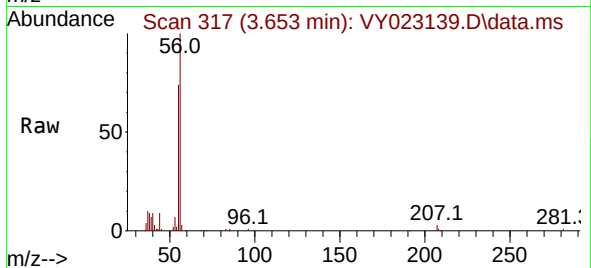




#13
Acrolein
Concen: 71.706 ug/l
RT: 3.653 min Scan# 316
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

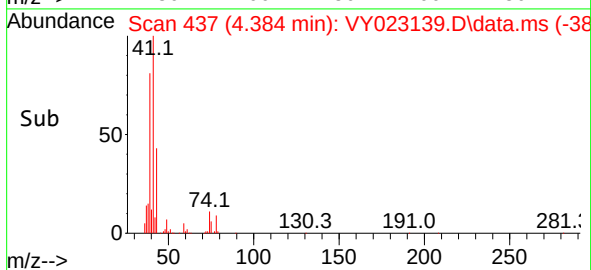
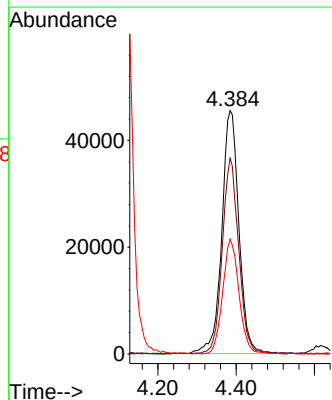
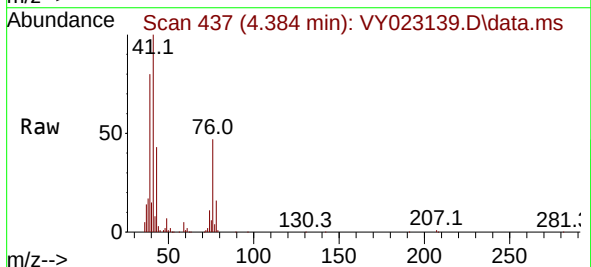
Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBS01

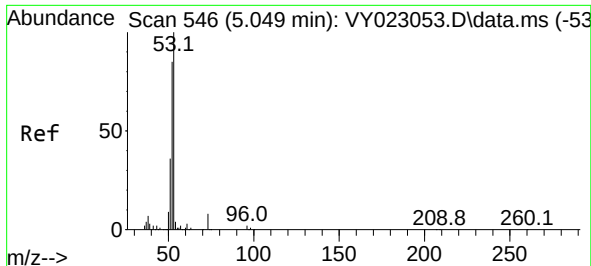
Tgt Ion: 56 Resp: 35491
Ion Ratio Lower Upper
56 100
55 72.0 55.2 82.8



#14
Allyl chloride
Concen: 18.846 ug/l
RT: 4.384 min Scan# 437
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Tgt Ion: 41 Resp: 138299
Ion Ratio Lower Upper
41 100
39 77.1 59.8 89.6
76 45.1 33.7 50.5

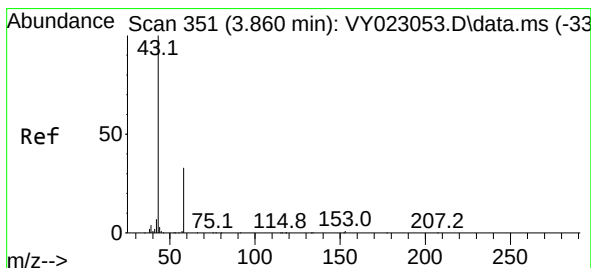
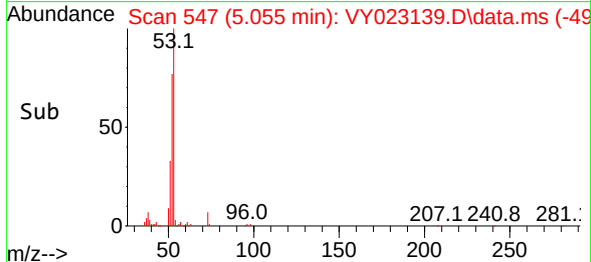
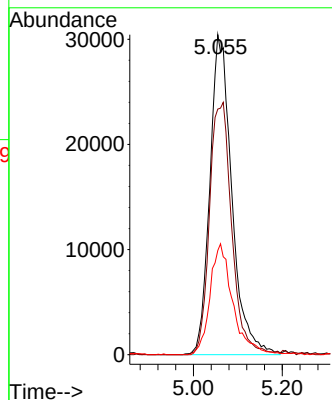
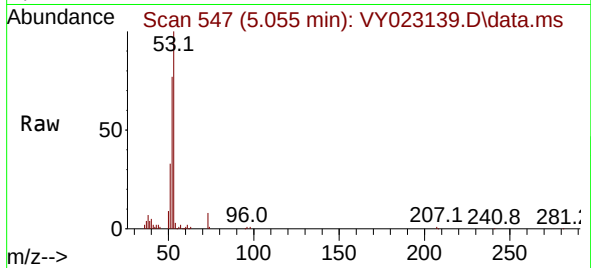




#15
Acrylonitrile
Concen: 94.488 ug/l
RT: 5.055 min Scan# 54
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

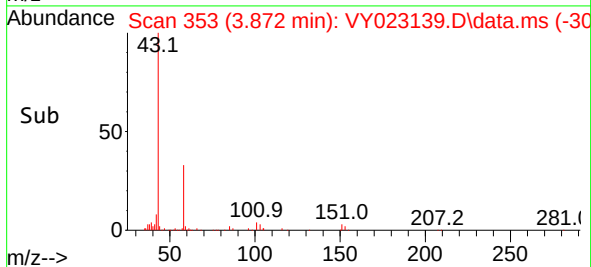
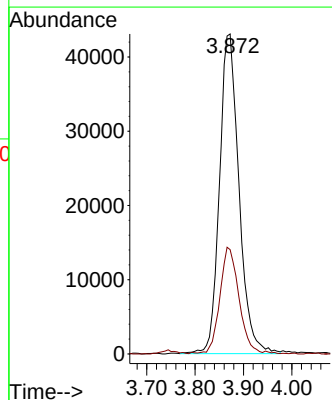
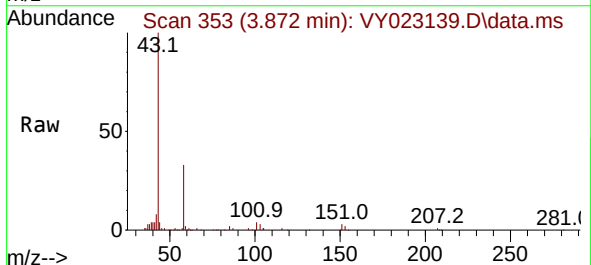
Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBS01

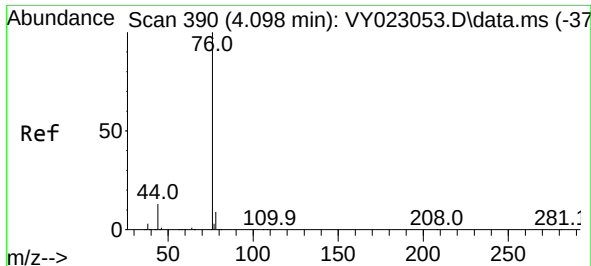
Tgt Ion: 53 Resp: 104521
Ion Ratio Lower Upper
53 100
52 79.8 65.3 97.9
51 35.9 29.5 44.3



#16
Acetone
Concen: 112.685 ug/l
RT: 3.872 min Scan# 353
Delta R.T. 0.012 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Tgt Ion: 43 Resp: 120414
Ion Ratio Lower Upper
43 100
58 32.5 27.1 40.7

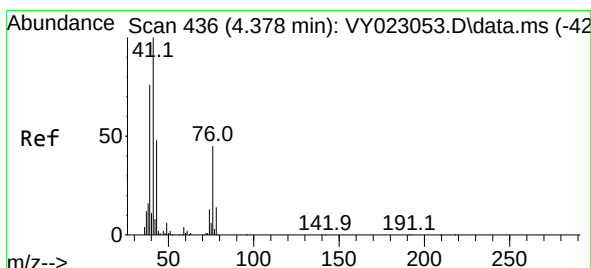
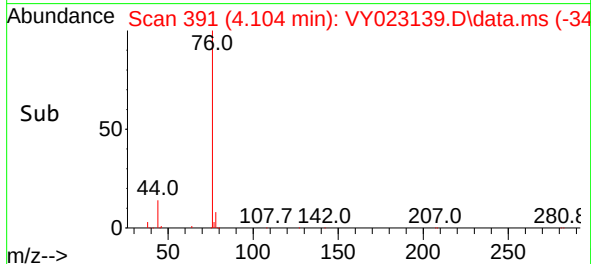
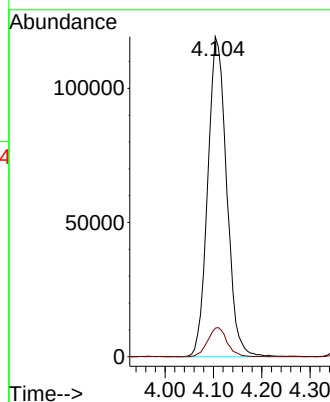
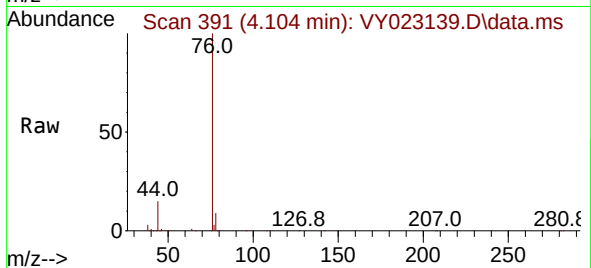




#17
Carbon Disulfide
Concen: 19.905 ug/l
RT: 4.104 min Scan# 391
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

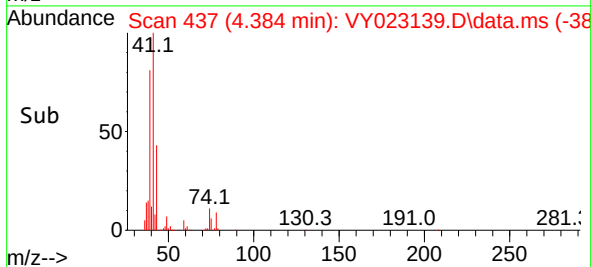
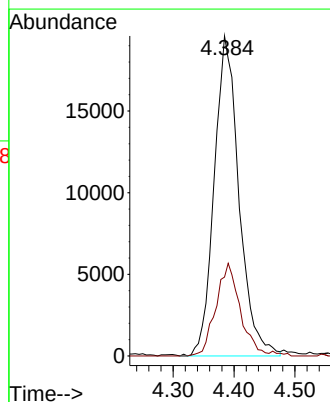
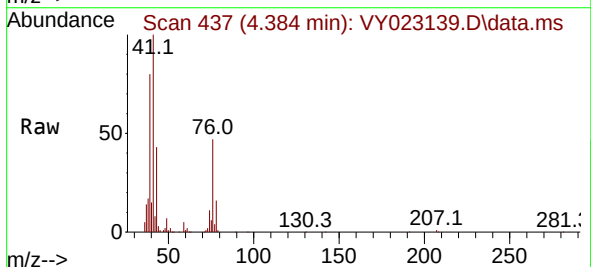
Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBS01

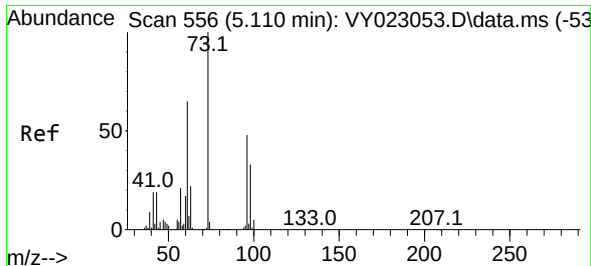
Tgt Ion: 76 Resp: 323680
Ion Ratio Lower Upper
76 100
78 8.9 7.4 11.2



#18
Methyl Acetate
Concen: 17.426 ug/l
RT: 4.384 min Scan# 437
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Tgt Ion: 43 Resp: 55412
Ion Ratio Lower Upper
43 100
74 28.3 21.2 31.8





#19

Methyl tert-butyl Ether

Concen: 19.720 ug/l

RT: 5.116 min Scan# 51

Delta R.T. 0.006 min

Lab File: VY023139.D

Acq: 19 Aug 2025 10:19

Instrument :

MSVOA_Y

ClientSampleId :

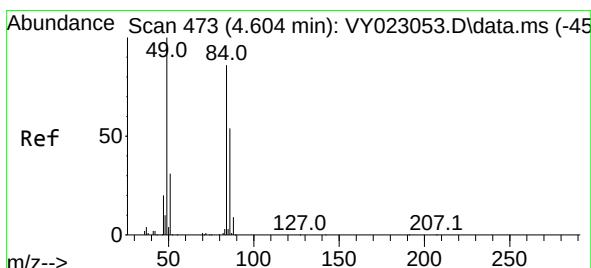
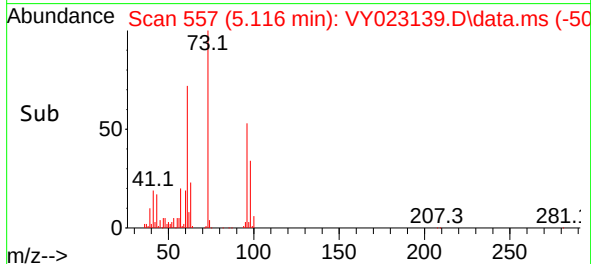
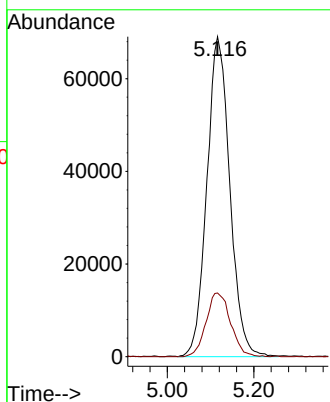
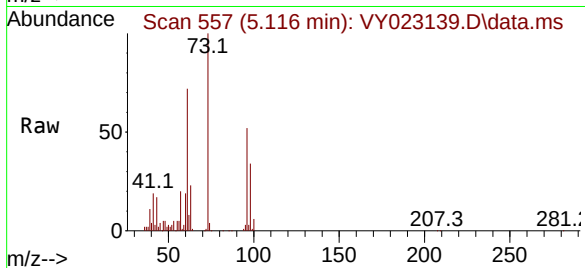
VY0819SBS01

Tgt Ion: 73 Resp: 254848

Ion Ratio Lower Upper

73 100

57 19.9 17.1 25.7



#20

Methylene Chloride

Concen: 18.875 ug/l

RT: 4.616 min Scan# 475

Delta R.T. 0.012 min

Lab File: VY023139.D

Acq: 19 Aug 2025 10:19

Tgt Ion: 84 Resp: 114203

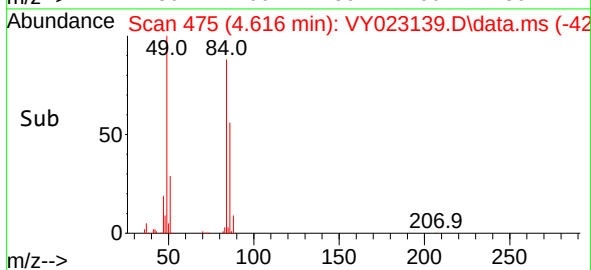
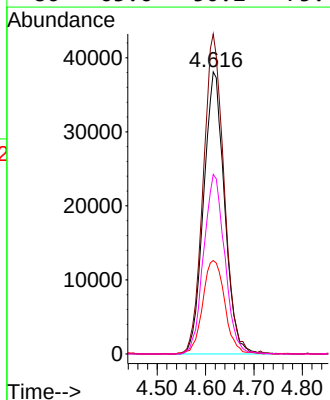
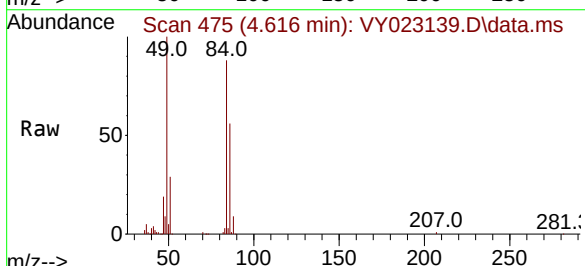
Ion Ratio Lower Upper

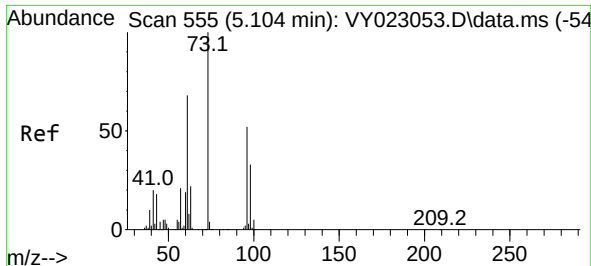
84 100

49 113.2 93.0 139.6

51 33.1 29.0 43.4

86 63.6 50.2 75.4

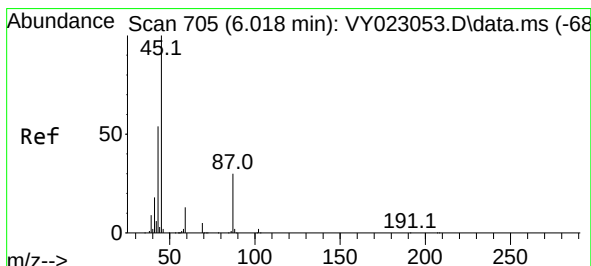
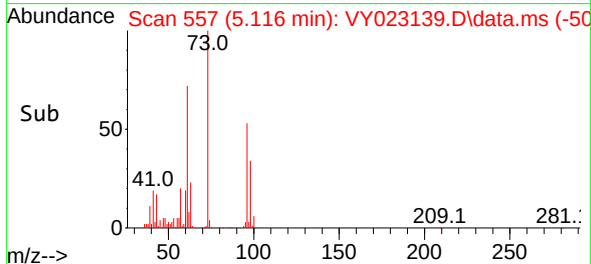
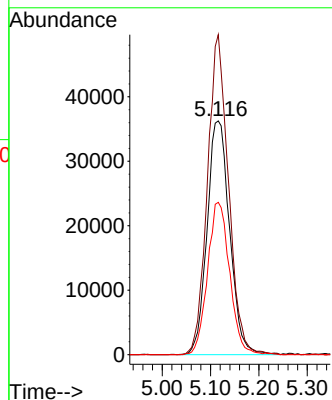
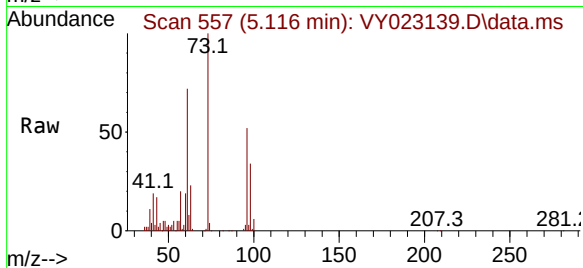




#21
trans-1,2-Dichloroethene
Concen: 20.993 ug/l
RT: 5.116 min Scan# 511
Delta R.T. 0.012 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

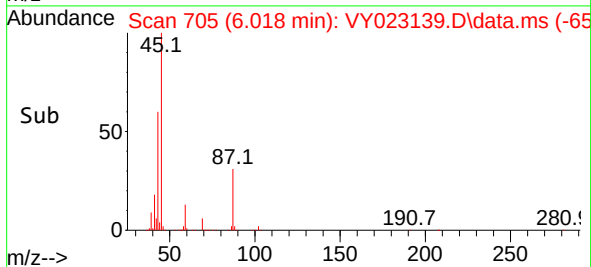
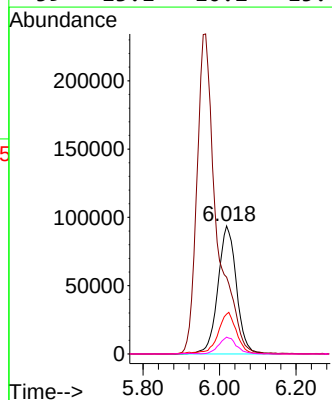
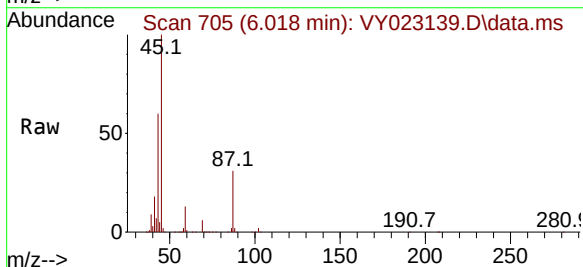
Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBS01

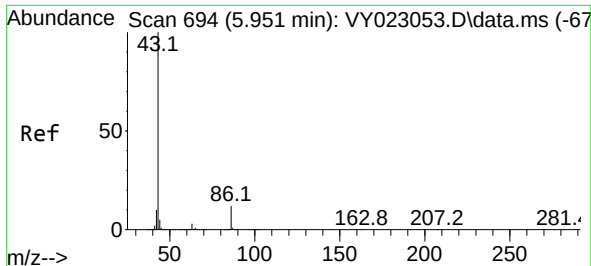
Tgt Ion: 96 Resp: 117658
Ion Ratio Lower Upper
96 100
61 136.8 104.8 157.2
98 65.2 50.1 75.1



#22
Diisopropyl ether
Concen: 19.728 ug/l
RT: 6.018 min Scan# 705
Delta R.T. -0.000 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Tgt Ion: 45 Resp: 314582
Ion Ratio Lower Upper
45 100
43 59.6 43.4 65.0
87 31.1 24.4 36.6
59 13.1 10.2 15.4

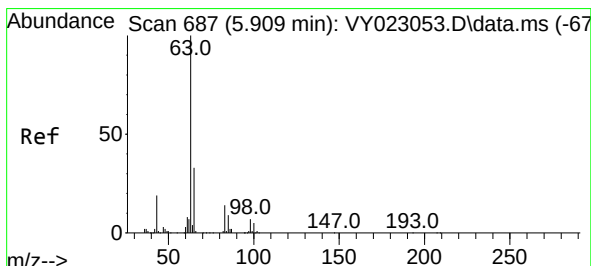
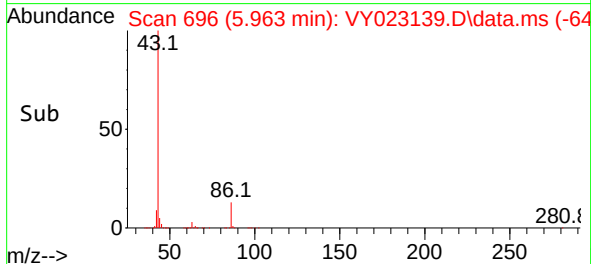
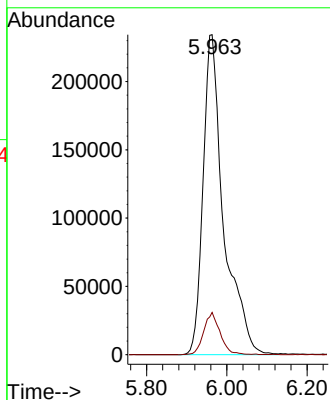
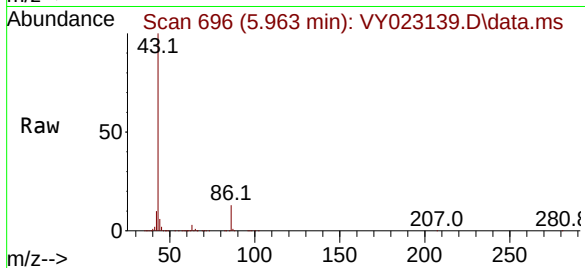




#23
 Vinyl Acetate
 Concen: 94.938 ug/l
 RT: 5.963 min Scan# 694
 Delta R.T. 0.012 min
 Lab File: VY023139.D
 Acq: 19 Aug 2025 10:19

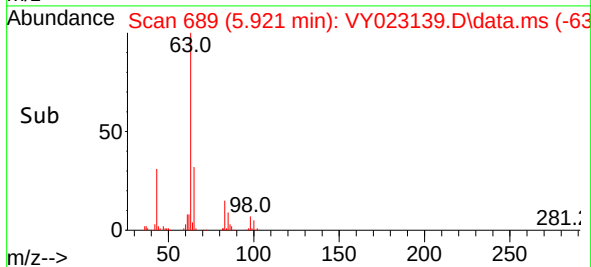
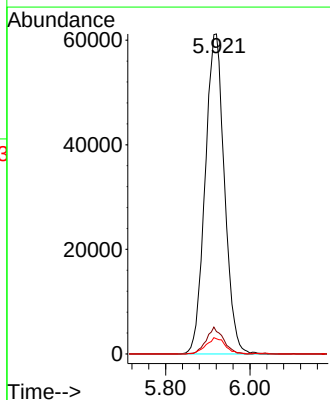
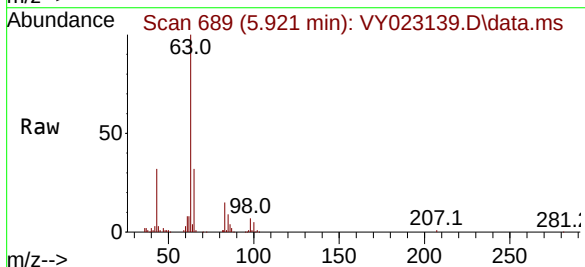
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0819SBS01

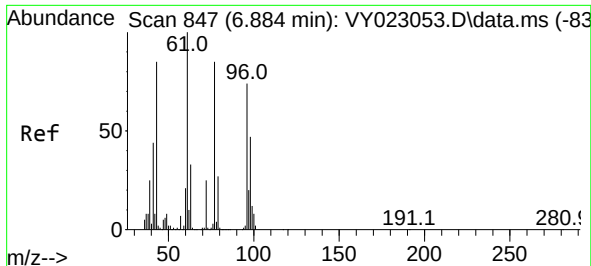
Tgt Ion: 43 Resp: 837107
 Ion Ratio Lower Upper
 43 100
 86 13.2 9.6 14.4



#24
 1,1-Dichloroethane
 Concen: 19.979 ug/l
 RT: 5.921 min Scan# 689
 Delta R.T. 0.012 min
 Lab File: VY023139.D
 Acq: 19 Aug 2025 10:19

Tgt Ion: 63 Resp: 194782
 Ion Ratio Lower Upper
 63 100
 98 7.0 3.5 10.6
 100 4.7 2.4 7.1

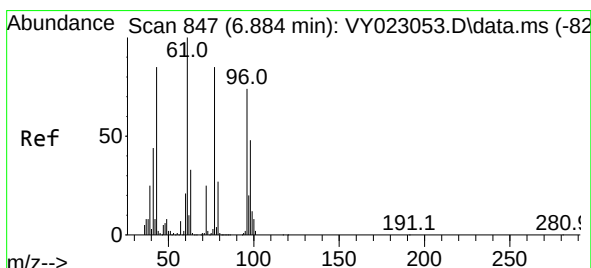
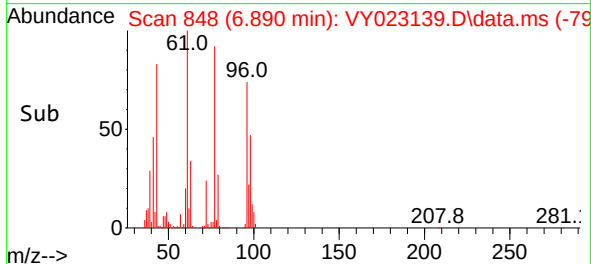
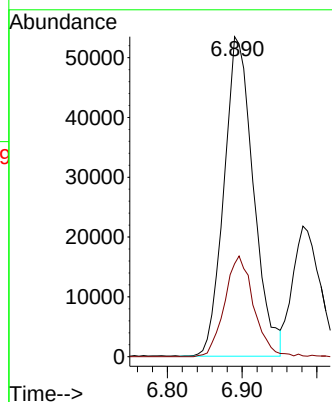
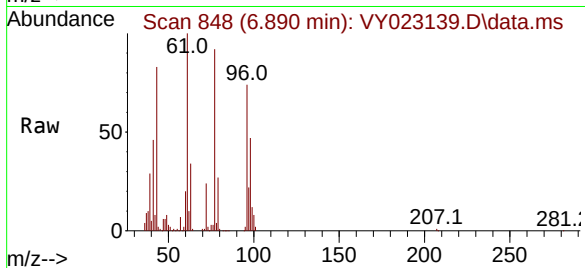




#25
2-Butanone
Concen: 100.847 ug/l
RT: 6.890 min Scan# 848
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

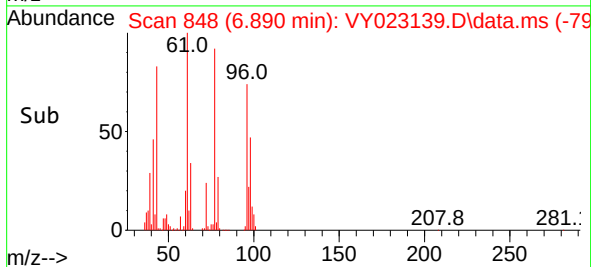
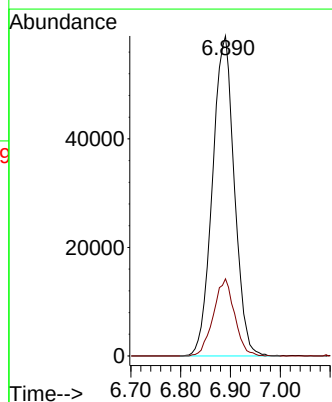
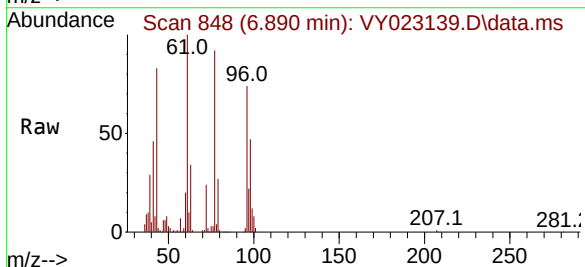
Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBS01

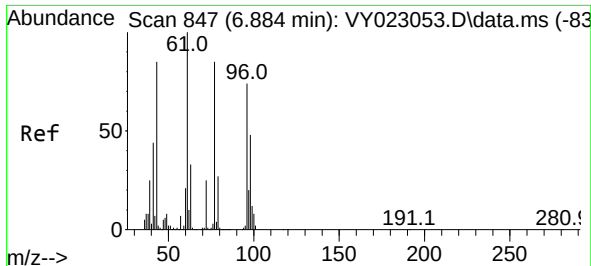
Tgt Ion: 43 Resp: 146563
Ion Ratio Lower Upper
43 100
72 29.1 23.5 35.3



#26
2,2-Dichloropropane
Concen: 21.352 ug/l
RT: 6.890 min Scan# 848
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Tgt Ion: 77 Resp: 179625
Ion Ratio Lower Upper
77 100
97 23.3 11.6 34.8





#27

cis-1,2-Dichloroethene

Concen: 20.582 ug/l

RT: 6.890 min Scan# 847

Delta R.T. 0.006 min

Lab File: VY023139.D

Acq: 19 Aug 2025 10:19

Instrument :

MSVOA_Y

ClientSampleId :

VY0819SBS01

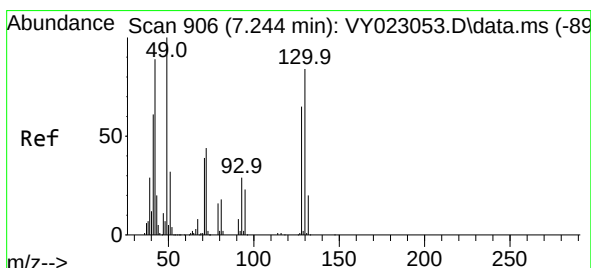
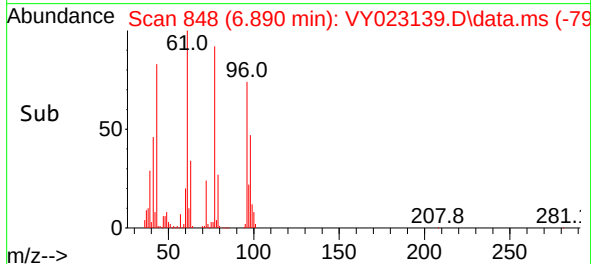
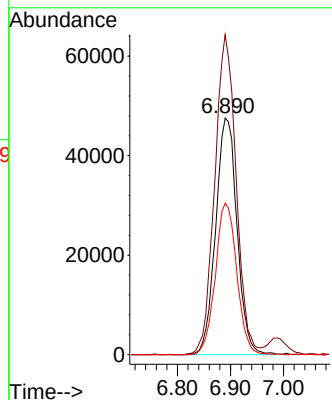
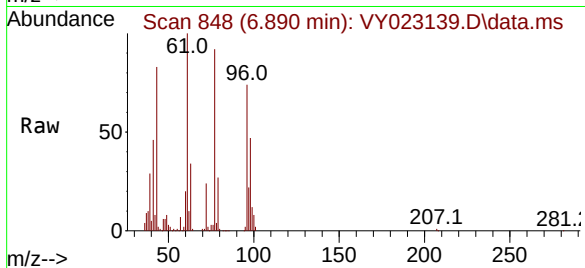
Tgt Ion: 96 Resp: 133354

Ion Ratio Lower Upper

96 100

61 135.3 0.0 278.6

98 64.1 0.0 130.4



#28

Bromochloromethane

Concen: 19.474 ug/l

RT: 7.244 min Scan# 906

Delta R.T. -0.000 min

Lab File: VY023139.D

Acq: 19 Aug 2025 10:19

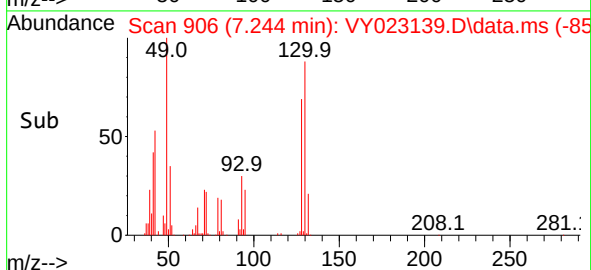
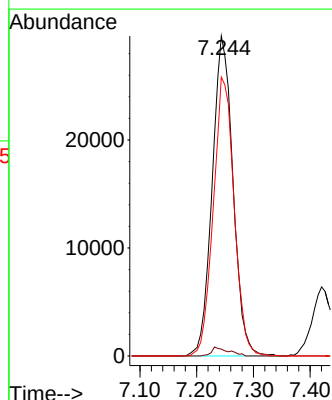
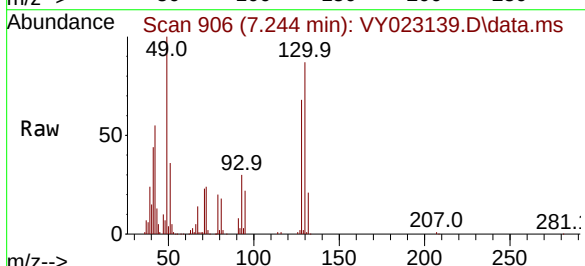
Tgt Ion: 49 Resp: 75324

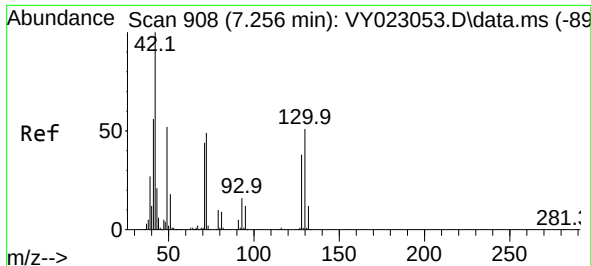
Ion Ratio Lower Upper

49 100

129 2.3 0.0 4.2

130 87.0 66.4 99.6





#29

Tetrahydrofuran

Concen: 90.389 ug/l

RT: 7.262 min Scan# 908

Delta R.T. 0.006 min

Lab File: VY023139.D

Acq: 19 Aug 2025 10:19

Instrument :

MSVOA_Y

ClientSampleId :

VY0819SBS01

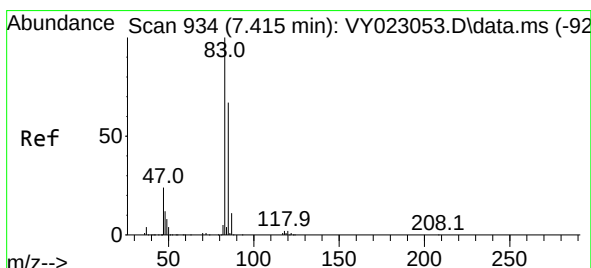
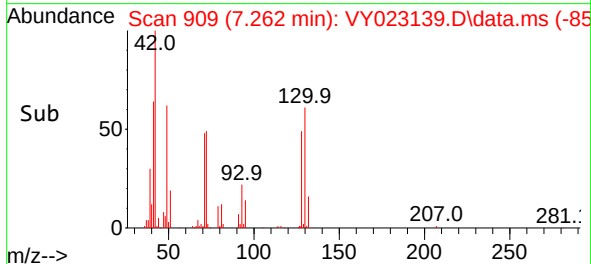
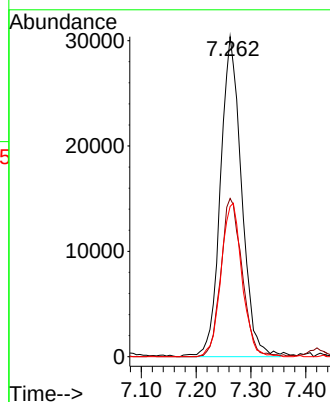
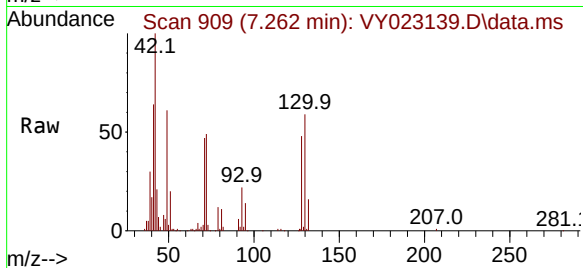
Tgt Ion: 42 Resp: 81427

Ion Ratio Lower Upper

42 100

72 49.9 39.4 59.2

71 47.8 36.5 54.7



#30

Chloroform

Concen: 20.690 ug/l

RT: 7.426 min Scan# 936

Delta R.T. 0.012 min

Lab File: VY023139.D

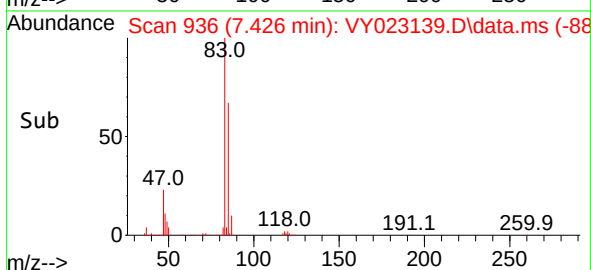
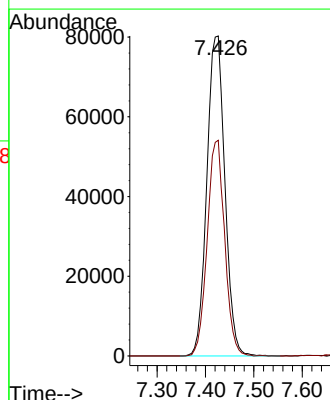
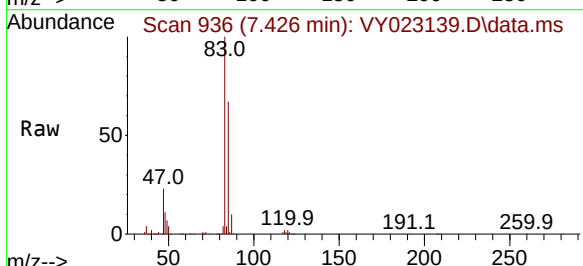
Acq: 19 Aug 2025 10:19

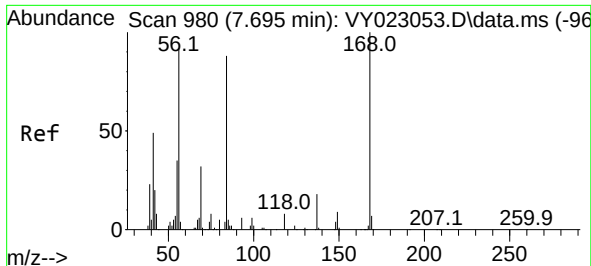
Tgt Ion: 83 Resp: 208029

Ion Ratio Lower Upper

83 100

85 67.4 53.8 80.8

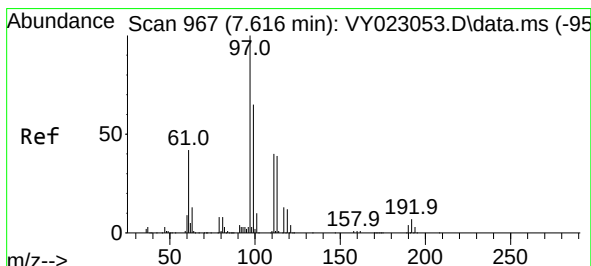
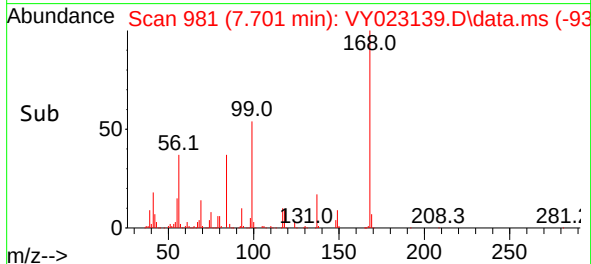
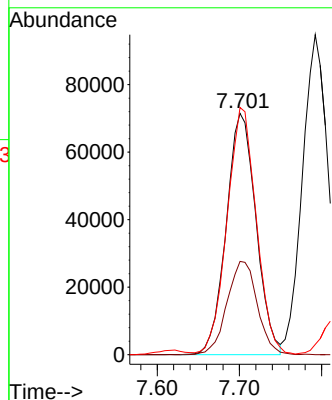
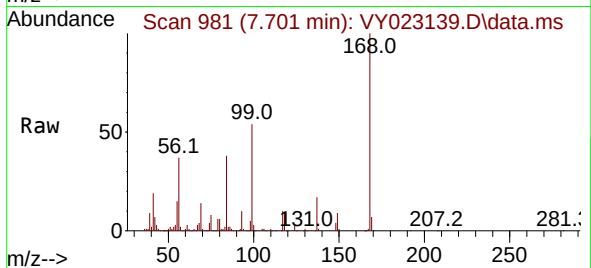




#31
Cyclohexane
Concen: 19.640 ug/l
RT: 7.701 min Scan# 980
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

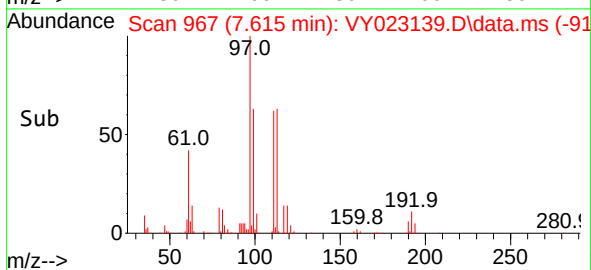
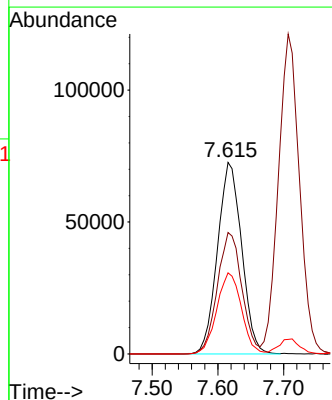
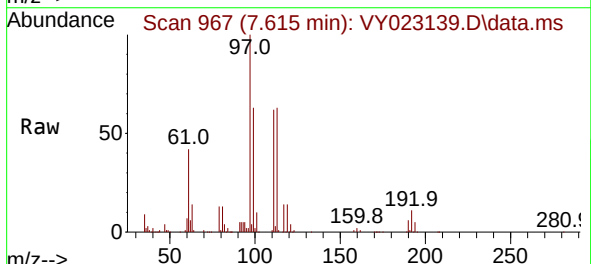
Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBS01

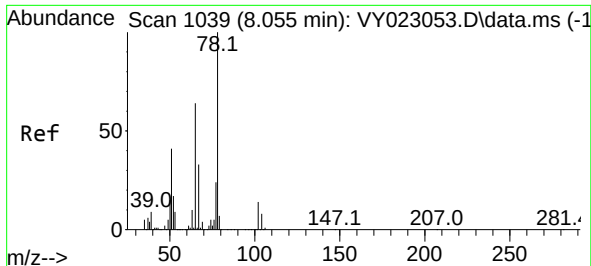
Tgt Ion: 56 Resp: 180441
Ion Ratio Lower Upper
56 100
69 38.6 28.2 42.2
84 101.0 76.6 114.8



#32
1,1,1-Trichloroethane
Concen: 20.833 ug/l
RT: 7.615 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Tgt Ion: 97 Resp: 185862
Ion Ratio Lower Upper
97 100
99 64.2 51.6 77.4
61 43.2 34.2 51.2





#33

1,2-Dichloroethane-d4

Concen: 47.365 ug/l

RT: 8.060 min Scan# 1103

Delta R.T. 0.006 min

Lab File: VY023139.D

Acq: 19 Aug 2025 10:19

Instrument :

MSVOA_Y

ClientSampleId :

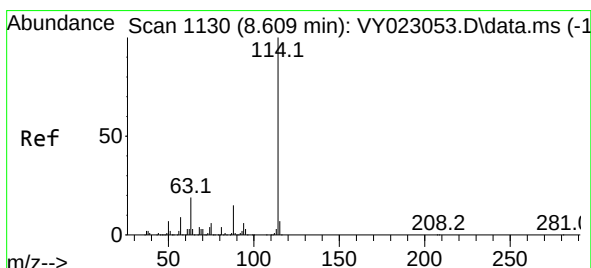
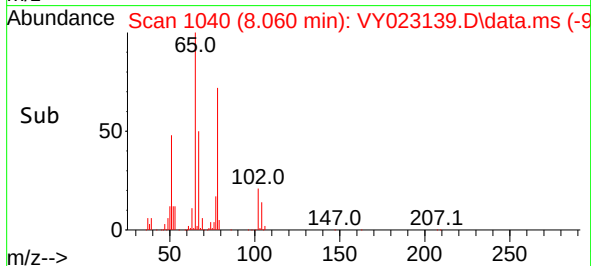
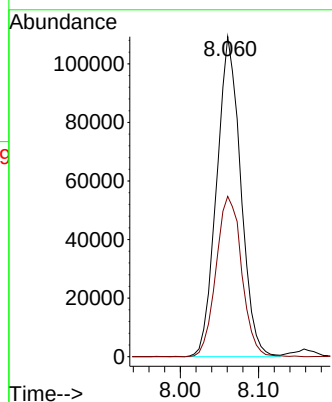
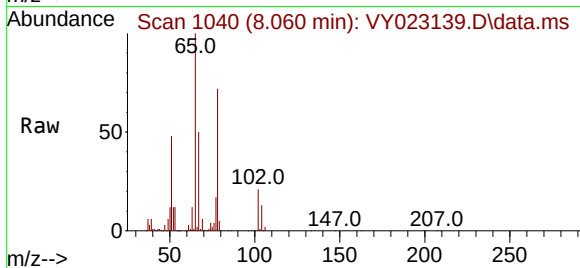
VY0819SBS01

Tgt Ion: 65 Resp: 233623

Ion Ratio Lower Upper

65 100

67 53.2 0.0 106.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. 0.006 min

Lab File: VY023139.D

Acq: 19 Aug 2025 10:19

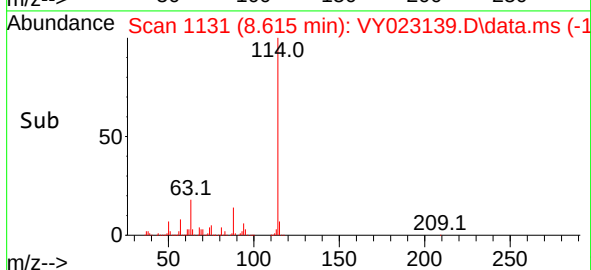
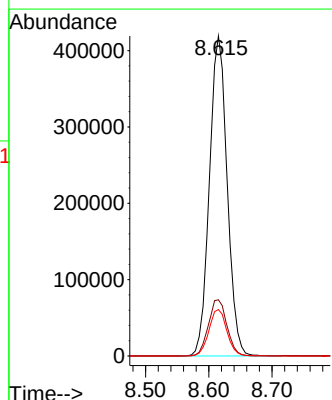
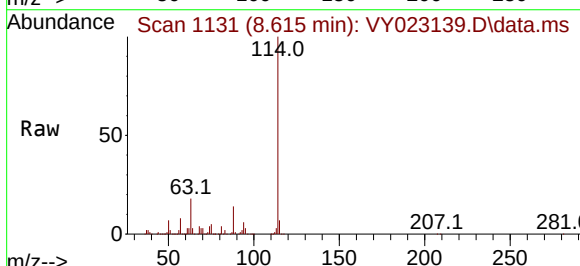
Tgt Ion:114 Resp: 816918

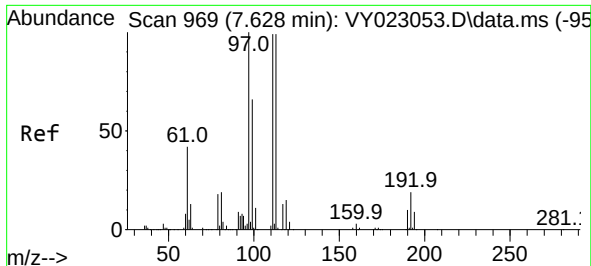
Ion Ratio Lower Upper

114 100

63 17.5 0.0 38.4

88 14.5 0.0 30.0

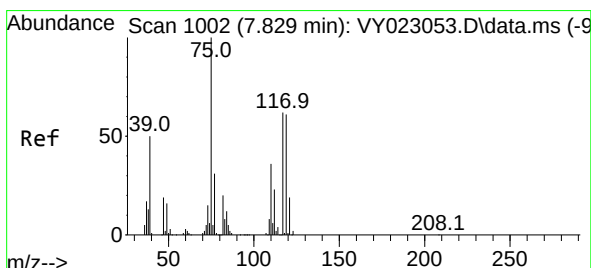
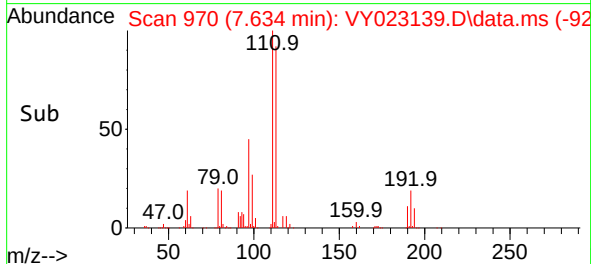
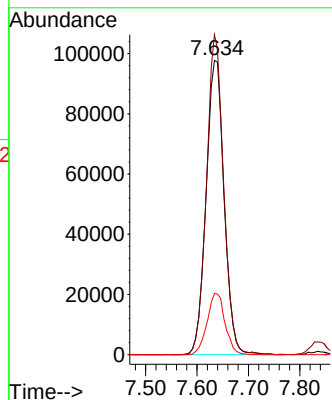
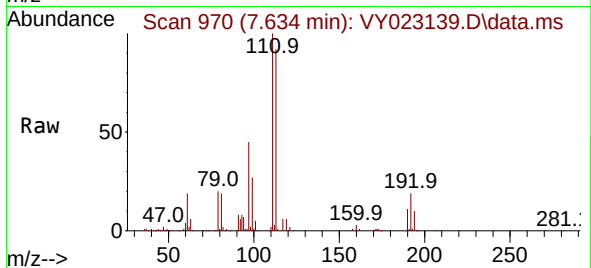




#35
Dibromofluoromethane
Concen: 48.567 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

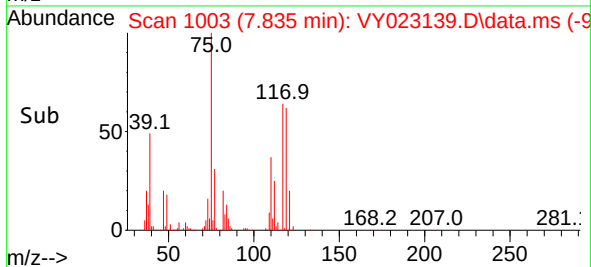
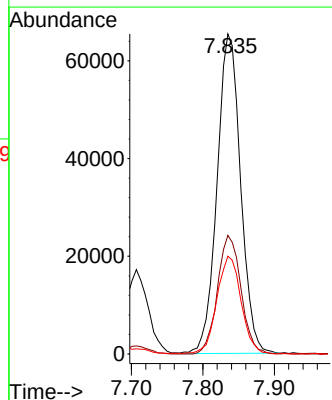
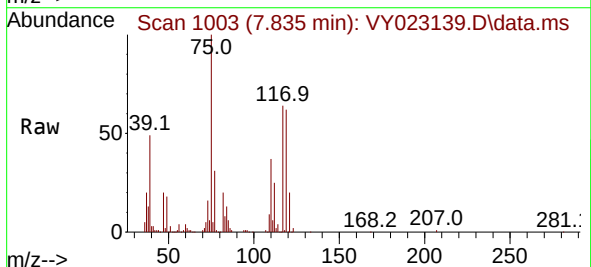
Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBS01

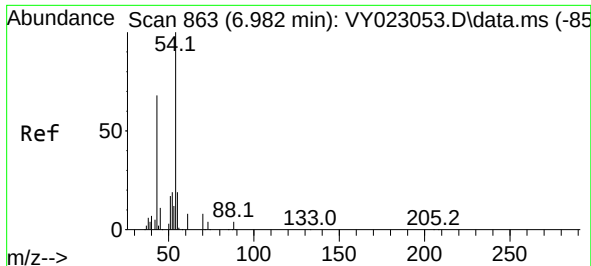
Tgt Ion:113 Resp: 237406
Ion Ratio Lower Upper
113 100
111 104.2 81.1 121.7
192 20.8 16.2 24.4



#36
1,1-Dichloropropene
Concen: 20.606 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Tgt Ion: 75 Resp: 149696
Ion Ratio Lower Upper
75 100
110 37.0 18.1 54.4
77 31.6 24.6 37.0





#37

Ethyl Acetate

Concen: 18.660 ug/l

RT: 6.981 min Scan# 863

Delta R.T. -0.000 min

Lab File: VY023139.D

Acq: 19 Aug 2025 10:19

Instrument :

MSVOA_Y

ClientSampleId :

VY0819SBS01

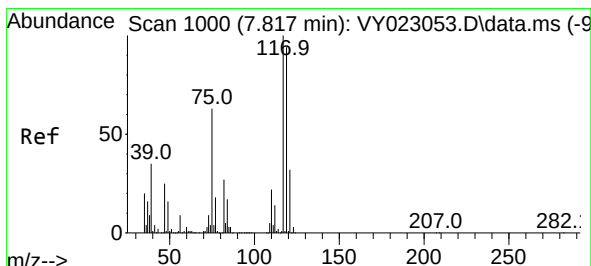
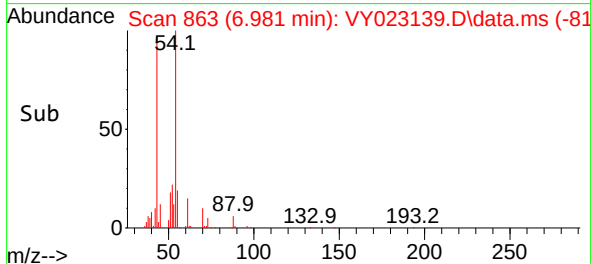
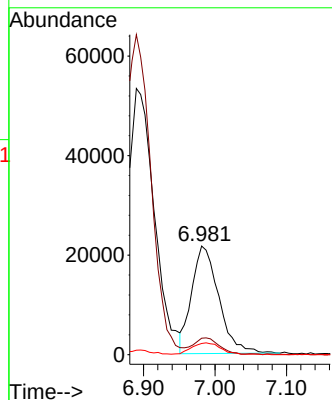
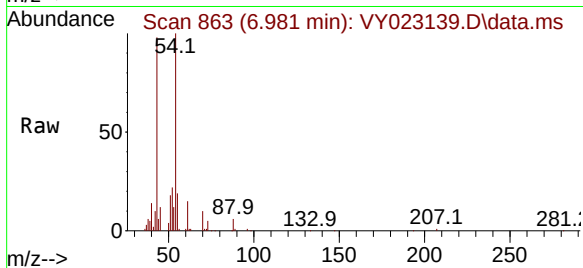
Tgt Ion: 43 Resp: 56943

Ion Ratio Lower Upper

43 100

61 14.4 11.9 17.9

70 12.3 8.8 13.2



#38

Carbon Tetrachloride

Concen: 21.430 ug/l

RT: 7.817 min Scan# 1000

Delta R.T. -0.000 min

Lab File: VY023139.D

Acq: 19 Aug 2025 10:19

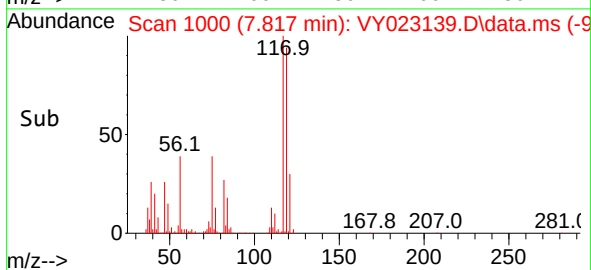
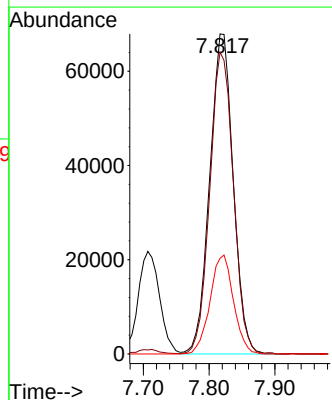
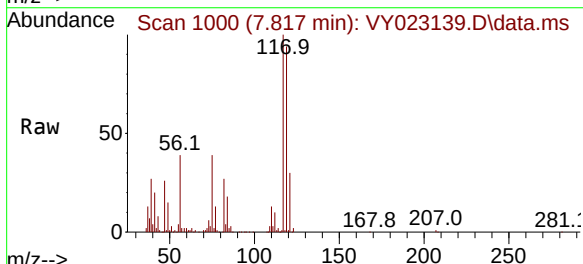
Tgt Ion: 117 Resp: 169089

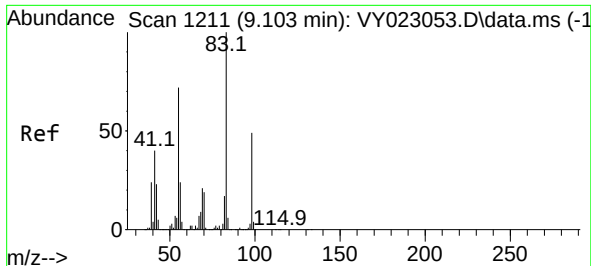
Ion Ratio Lower Upper

117 100

119 94.3 75.6 113.4

121 29.9 25.8 38.8





#39

Methylcyclohexane

Concen: 20.803 ug/l

RT: 9.109 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023139.D

Acq: 19 Aug 2025 10:19

Instrument :

MSVOA_Y

ClientSampleId :

VY0819SBS01

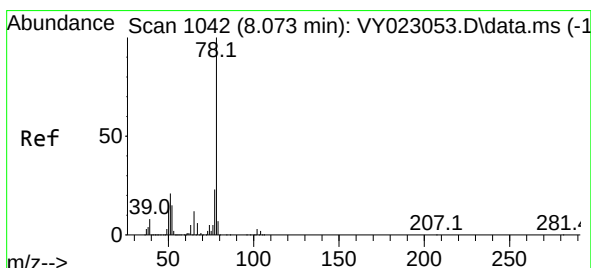
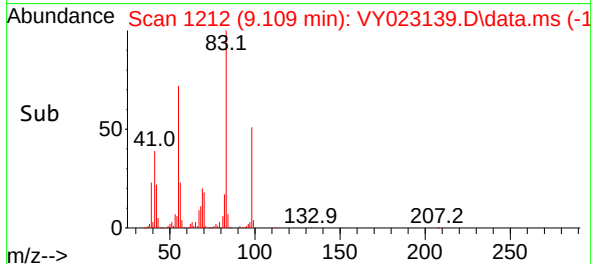
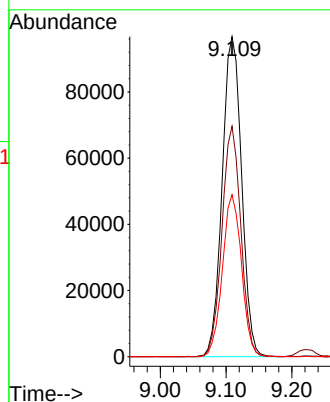
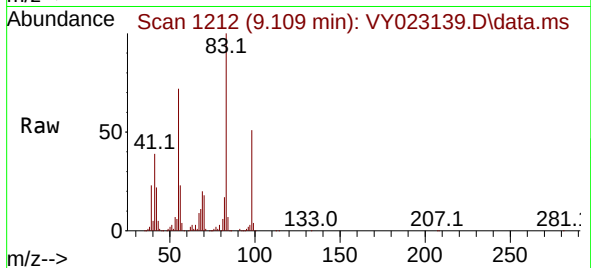
Tgt Ion: 83 Resp: 199011

Ion Ratio Lower Upper

83 100

55 72.0 57.6 86.4

98 50.6 39.2 58.8



#40

Benzene

Concen: 21.055 ug/l

RT: 8.079 min Scan# 1043

Delta R.T. 0.006 min

Lab File: VY023139.D

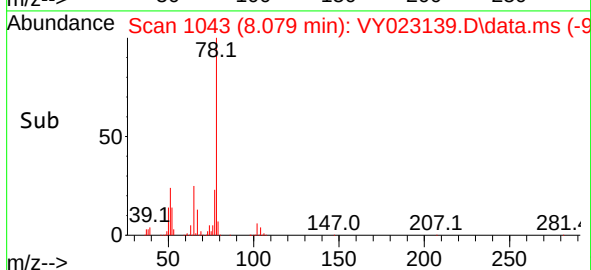
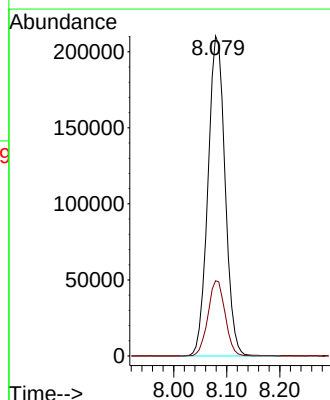
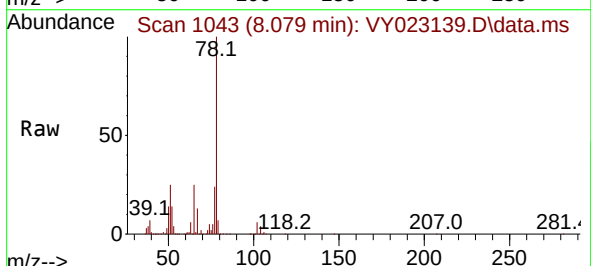
Acq: 19 Aug 2025 10:19

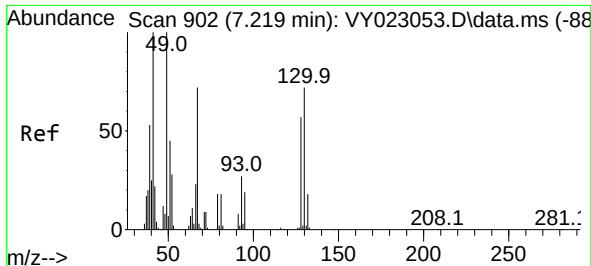
Tgt Ion: 78 Resp: 471421

Ion Ratio Lower Upper

78 100

77 23.5 18.6 28.0

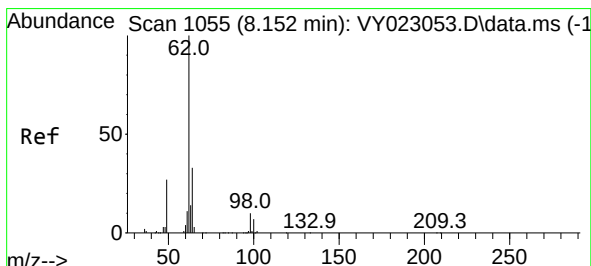
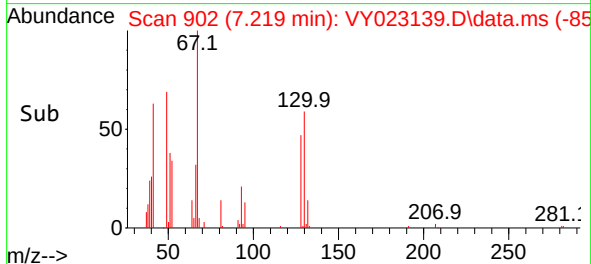
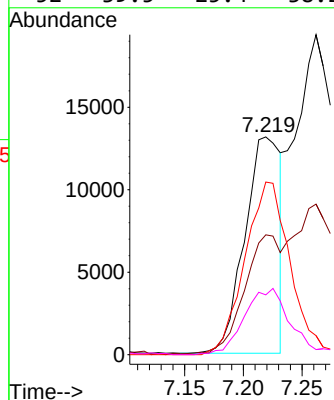
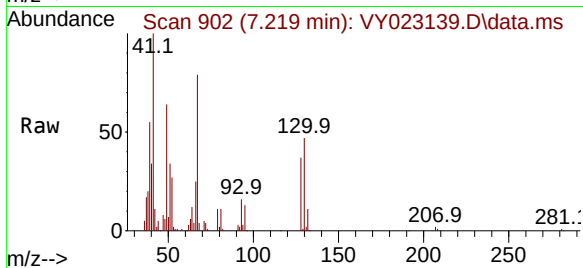




#41
Methacrylonitrile
Concen: 15.786 ug/l
RT: 7.219 min Scan# 902
Delta R.T. -0.000 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

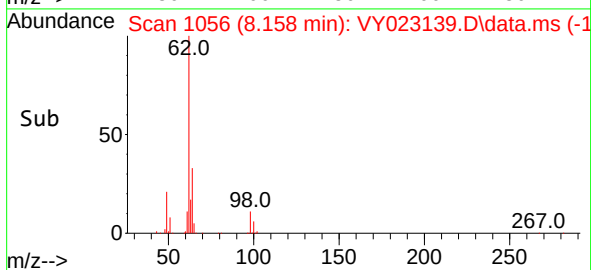
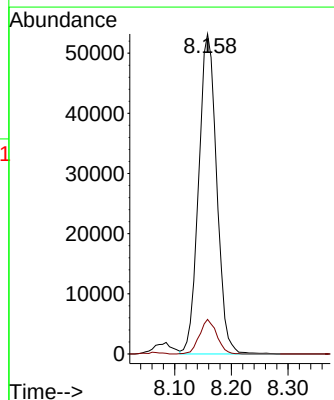
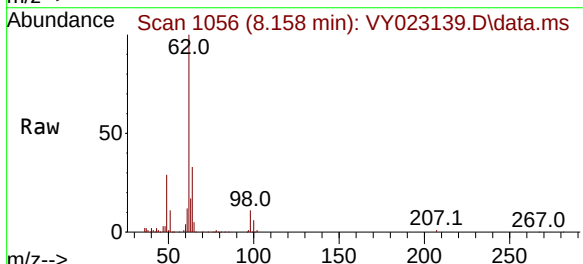
Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBS01

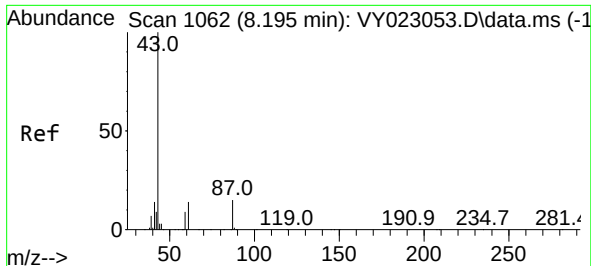
Tgt Ion:	41	Resp:	27802
Ion Ratio	Lower	Upper	
41	100		
39	55.8	43.4	65.2
67	101.3	63.6	95.4#
52	39.5	25.4	38.2#



#42
1,2-Dichloroethane
Concen: 20.187 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Tgt Ion:	62	Resp:	117552
Ion Ratio	Lower	Upper	
62	100		
98	10.4	0.0	20.6

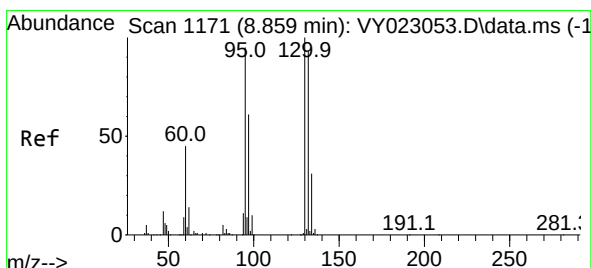
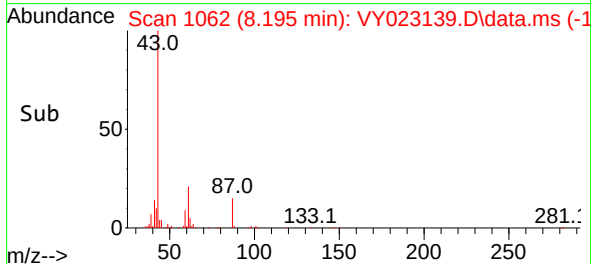
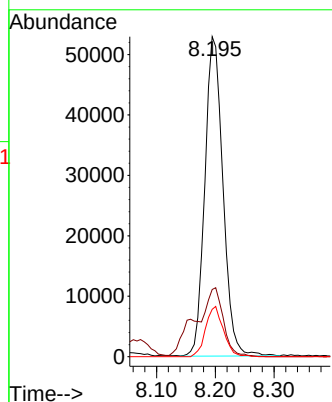
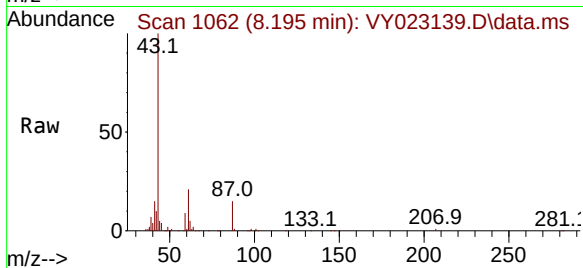




#43
Isopropyl Acetate
Concen: 18.431 ug/l
RT: 8.195 min Scan# 113681
Delta R.T. -0.000 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

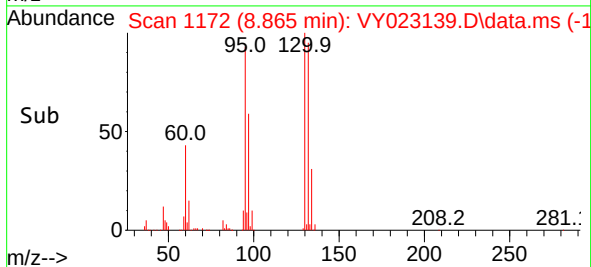
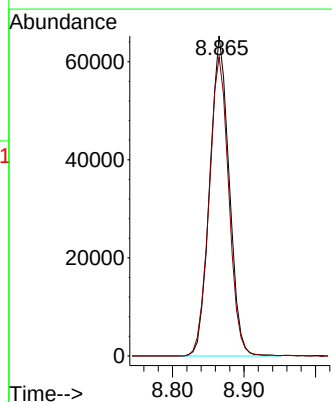
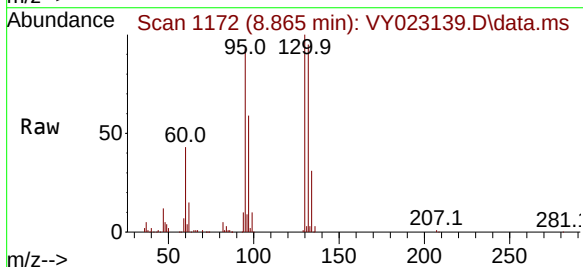
Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBS01

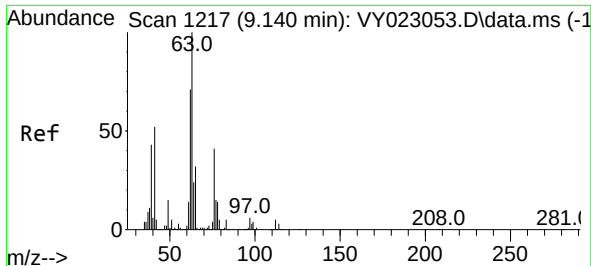
Tgt Ion: 43	Resp: 113681
Ion Ratio	Lower Upper
43 100	
61 20.5	16.4 24.6
87 15.4	11.8 17.6



#44
Trichloroethene
Concen: 21.187 ug/l
RT: 8.865 min Scan# 1172
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Tgt Ion:130	Resp: 122590
Ion Ratio	Lower Upper
130 100	
95 93.5	0.0 190.2





#45

1,2-Dichloropropane

Concen: 20.506 ug/l

RT: 9.140 min Scan# 1217

Delta R.T. -0.000 min

Lab File: VY023139.D

Acq: 19 Aug 2025 10:19

Instrument :

MSVOA_Y

ClientSampleId :

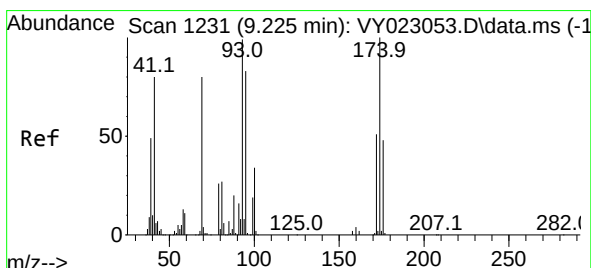
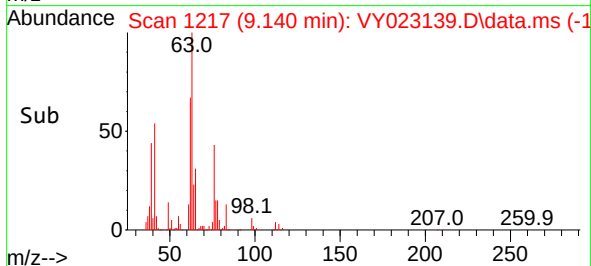
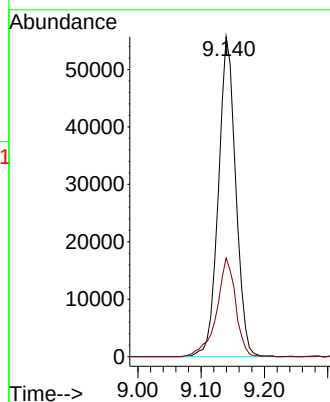
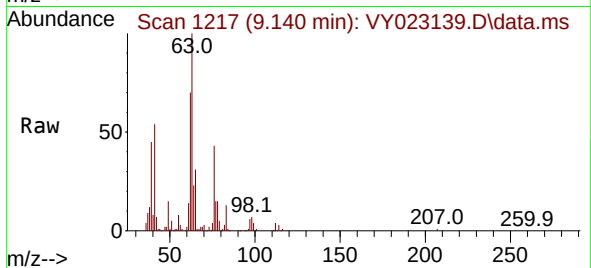
VY0819SBS01

Tgt Ion: 63 Resp: 105641

Ion Ratio Lower Upper

63 100

65 30.9 25.3 37.9



#46

Dibromomethane

Concen: 20.972 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. 0.006 min

Lab File: VY023139.D

Acq: 19 Aug 2025 10:19

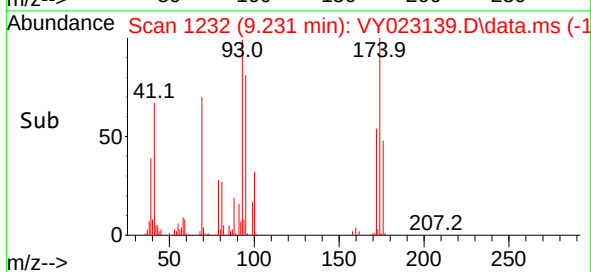
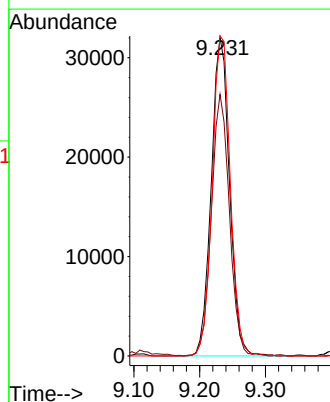
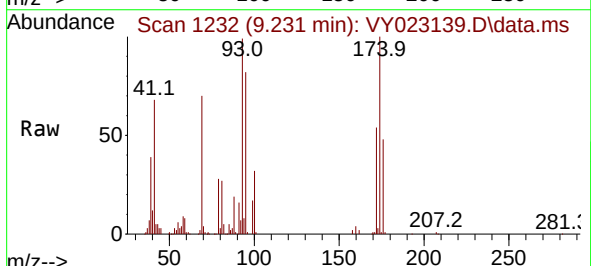
Tgt Ion: 93 Resp: 62014

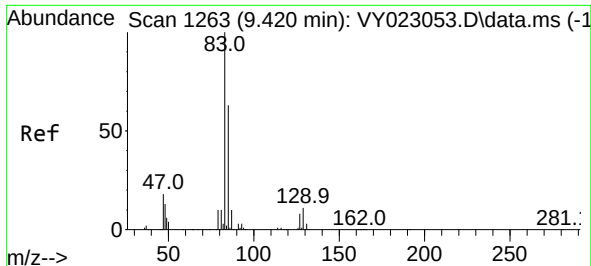
Ion Ratio Lower Upper

93 100

95 81.1 66.5 99.7

174 99.4 81.8 122.8

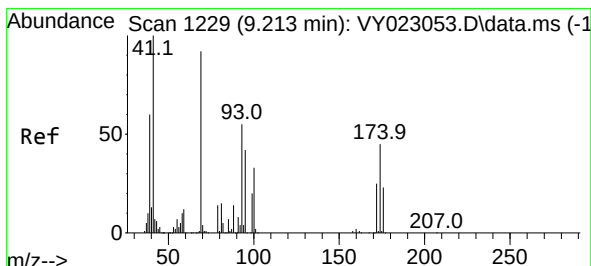
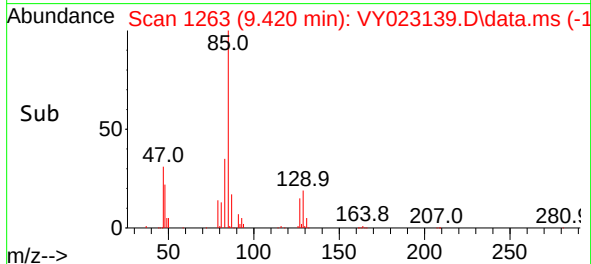
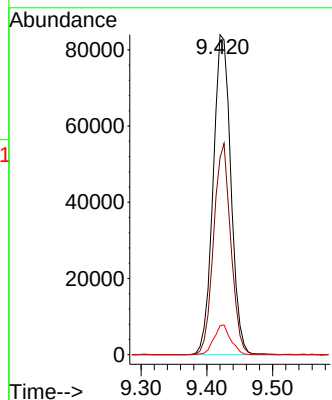
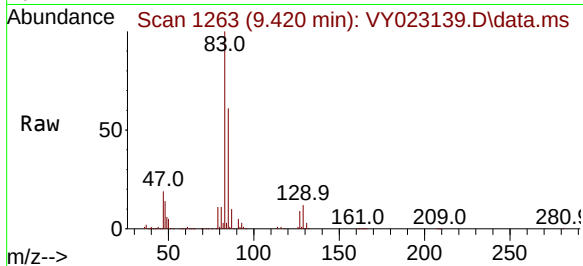




#47
Bromodichloromethane
Concen: 20.725 ug/l
RT: 9.420 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

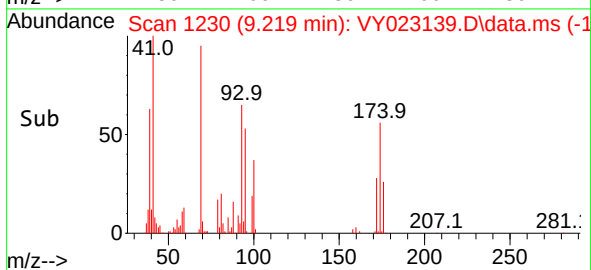
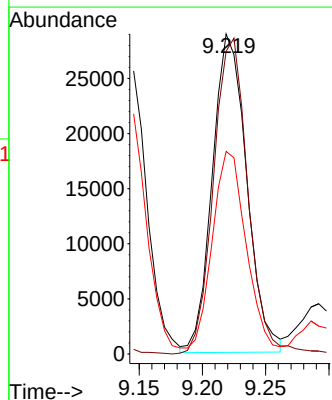
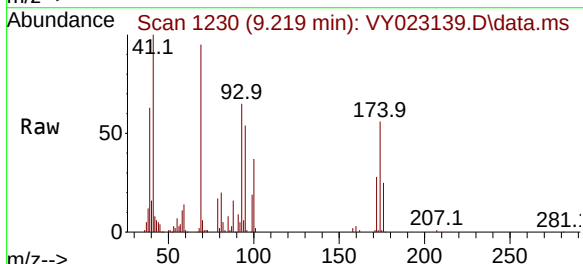
Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBS01

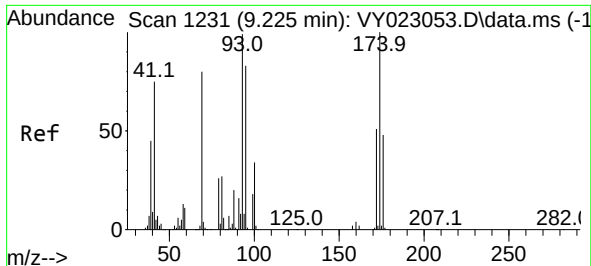
Tgt Ion: 83 Resp: 157692
Ion Ratio Lower Upper
83 100
85 61.5 50.2 75.4
127 9.1 6.6 10.0



#48
Methyl methacrylate
Concen: 18.499 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Tgt Ion: 41 Resp: 54599
Ion Ratio Lower Upper
41 100
69 99.3 73.2 109.8
39 62.8 47.0 70.4





#49

1,4-Dioxane

Concen: 383.459 ug/l

RT: 9.231 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY023139.D

Acq: 19 Aug 2025 10:19

Instrument :

MSVOA_Y

ClientSampleId :

VY0819SBS01

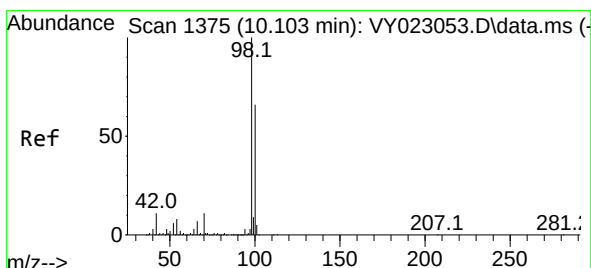
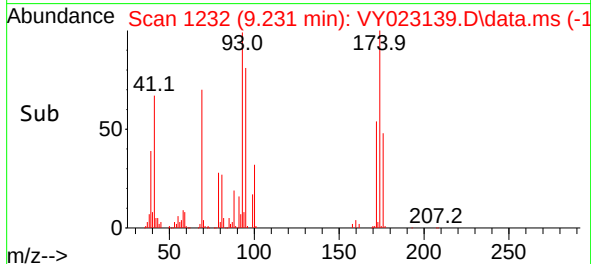
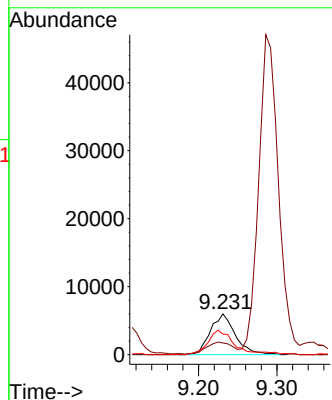
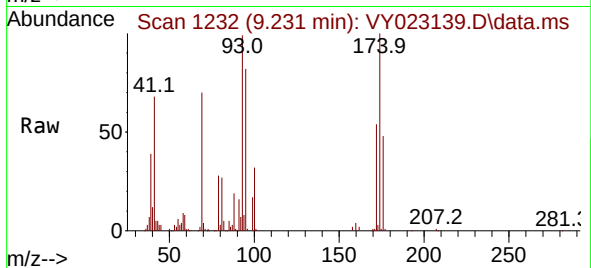
Tgt Ion: 88 Resp: 13295

Ion Ratio Lower Upper

88 100

43 29.3 24.3 36.5

58 65.0 55.4 83.0



#50

Toluene-d8

Concen: 49.608 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.006 min

Lab File: VY023139.D

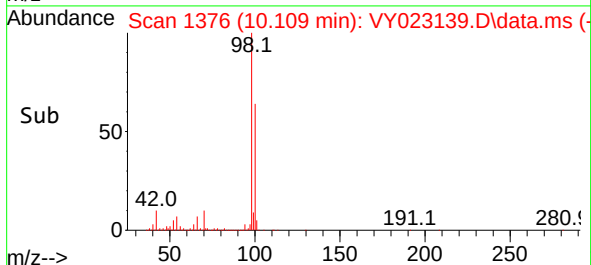
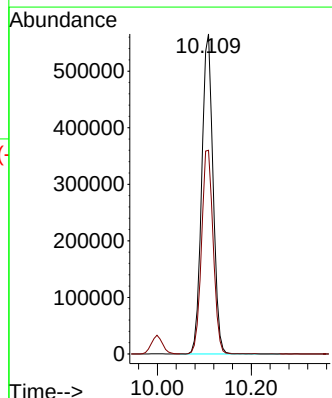
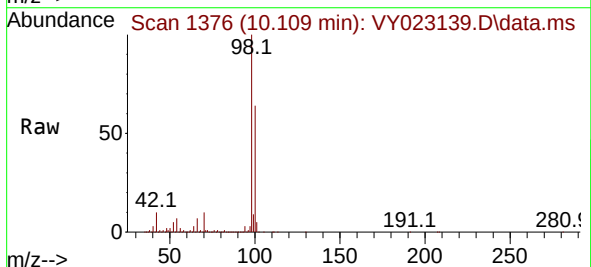
Acq: 19 Aug 2025 10:19

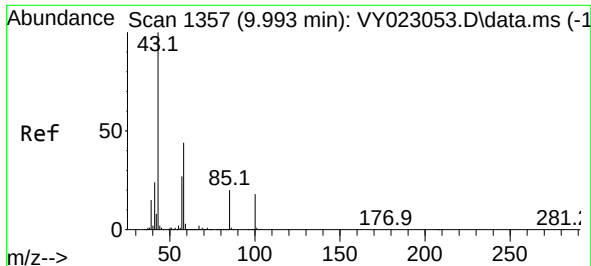
Tgt Ion: 98 Resp: 947313

Ion Ratio Lower Upper

98 100

100 65.4 52.3 78.5





#51

4-Methyl-2-Pentanone

Concen: 93.721 ug/l

RT: 9.999 min Scan# 1357

Delta R.T. 0.006 min

Lab File: VY023139.D

Acq: 19 Aug 2025 10:19

Instrument :

MSVOA_Y

ClientSampleId :

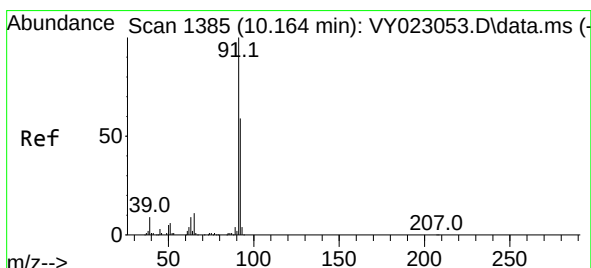
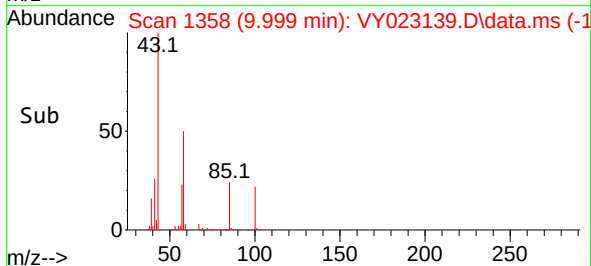
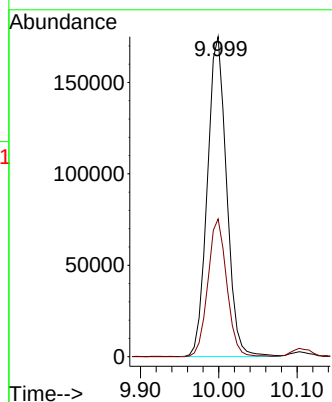
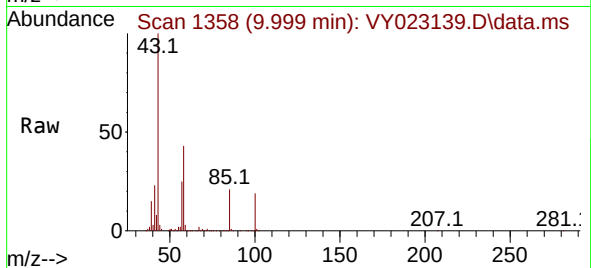
VY0819SBS01

Tgt Ion: 43 Resp: 298177

Ion Ratio Lower Upper

43 100

58 42.3 33.5 50.3



#52

Toluene

Concen: 21.028 ug/l

RT: 10.170 min Scan# 1386

Delta R.T. 0.006 min

Lab File: VY023139.D

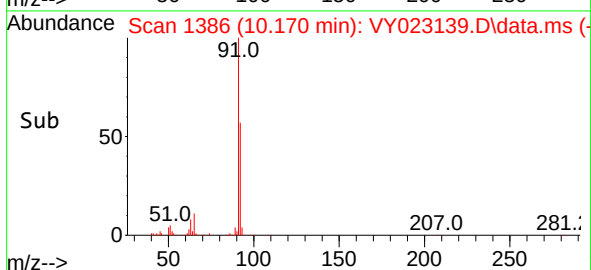
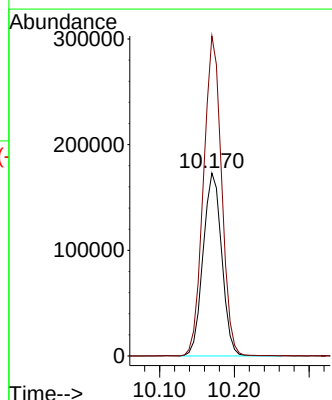
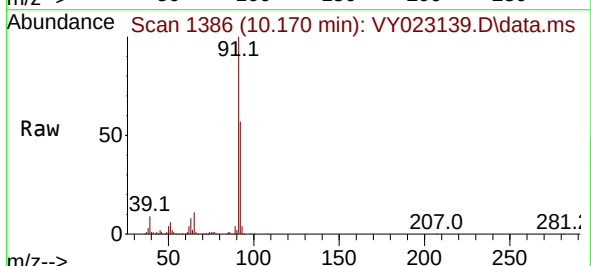
Acq: 19 Aug 2025 10:19

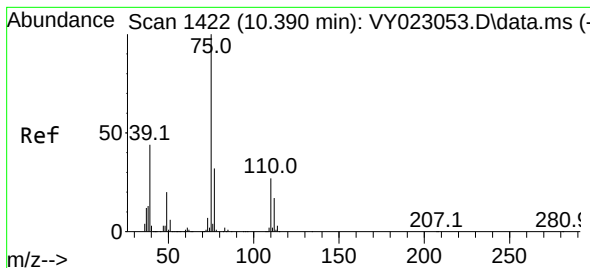
Tgt Ion: 92 Resp: 299030

Ion Ratio Lower Upper

92 100

91 169.8 136.4 204.6

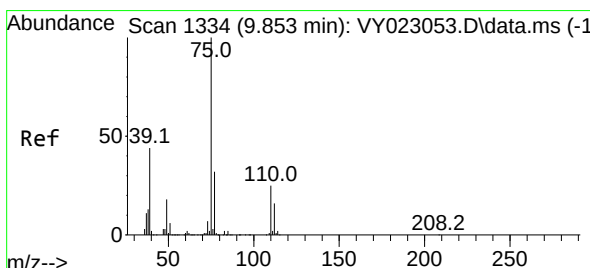
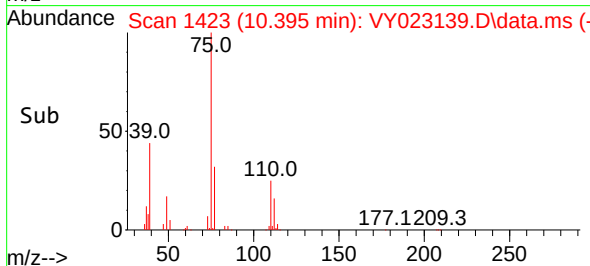
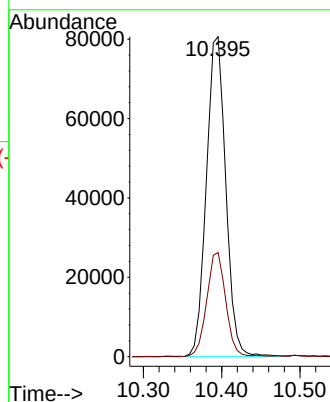
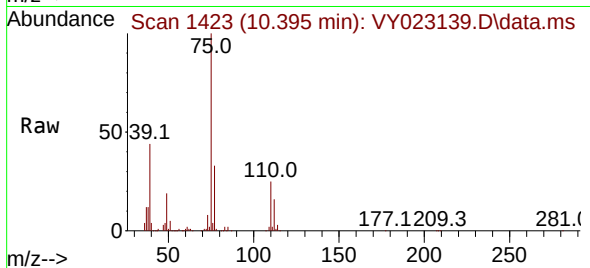




#53
t-1,3-Dichloropropene
Concen: 20.144 ug/l
RT: 10.395 min Scan# 1423
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

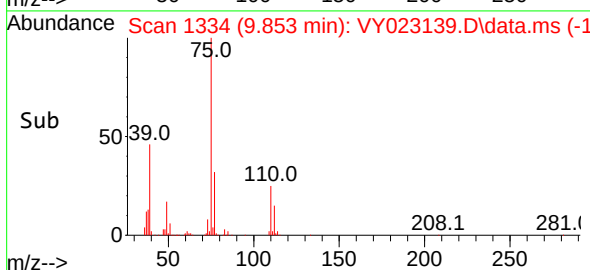
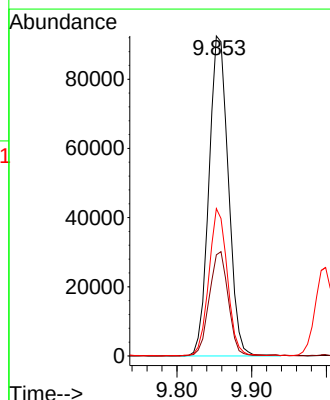
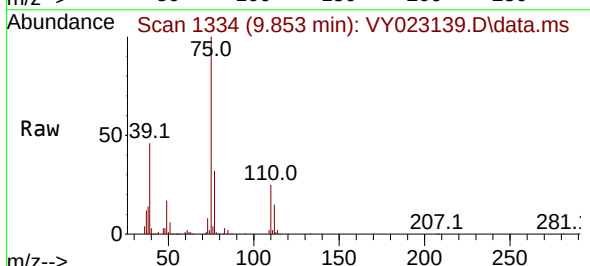
Instrument : MSVOA_Y
ClientSampleId : VY0819SBS01

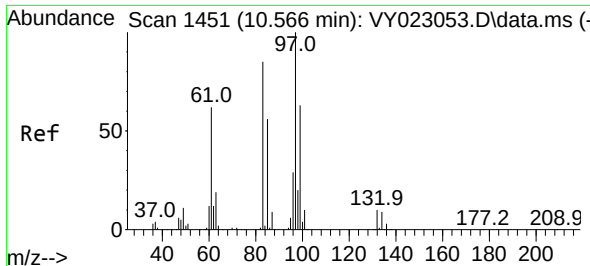
Tgt Ion: 75 Resp: 138793
Ion Ratio Lower Upper
75 100
77 32.4 25.7 38.5



#54
cis-1,3-Dichloropropene
Concen: 20.453 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. -0.000 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Tgt Ion: 75 Resp: 166637
Ion Ratio Lower Upper
75 100
77 31.5 25.4 38.0
39 46.0 35.6 53.4

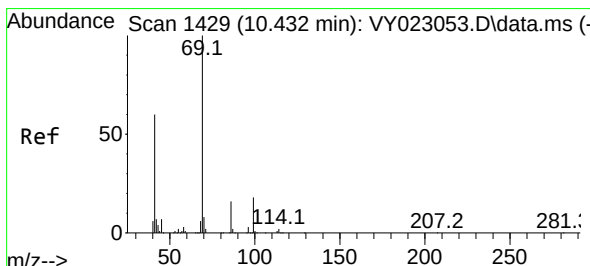
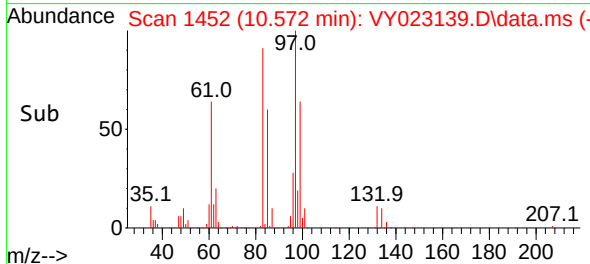
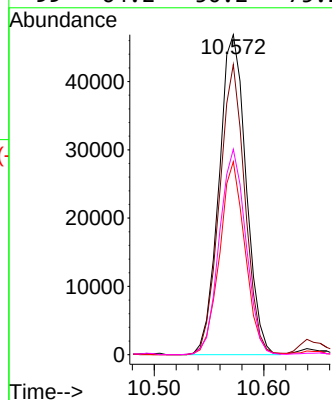
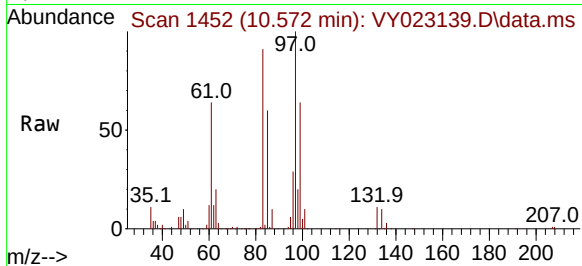




#55
1,1,2-Trichloroethane
Concen: 20.350 ug/l
RT: 10.572 min Scan# 1451
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

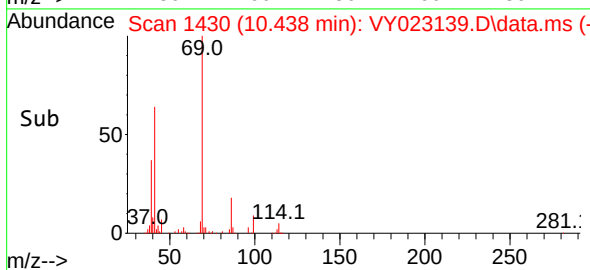
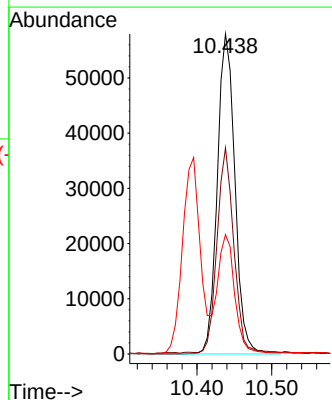
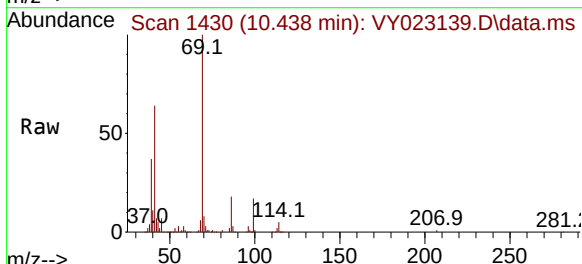
Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBS01

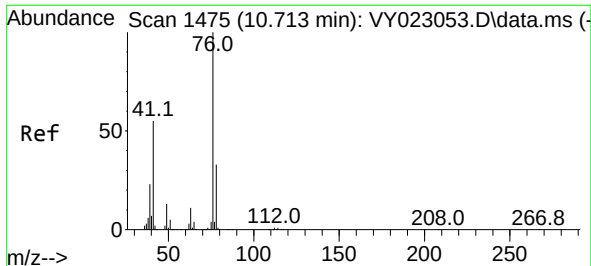
Tgt Ion:	97	Resp:	80520
Ion	Ratio	Lower	Upper
97	100		
83	90.7	67.7	101.5
85	60.3	44.5	66.7
99	64.2	50.2	75.2



#56
Ethyl methacrylate
Concen: 18.741 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Tgt Ion:	69	Resp:	94888
Ion	Ratio	Lower	Upper
69	100		
41	61.1	48.6	72.8
39	34.5	27.0	40.4





#57

1,3-Dichloropropane

Concen: 20.594 ug/l

RT: 10.718 min Scan# 1475

Delta R.T. 0.006 min

Lab File: VY023139.D

Acq: 19 Aug 2025 10:19

Instrument :

MSVOA_Y

ClientSampleId :

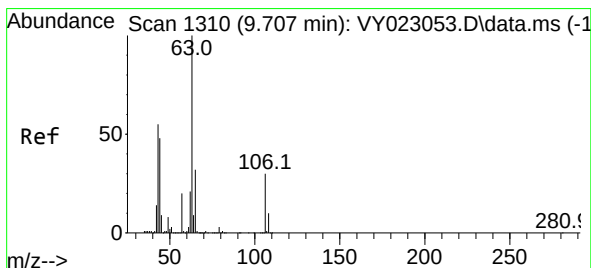
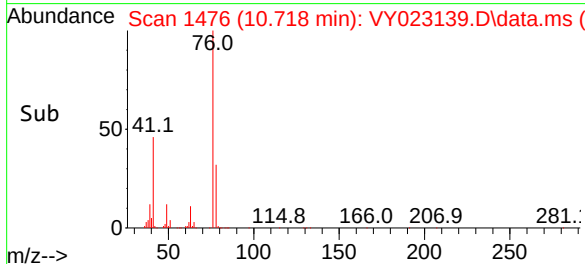
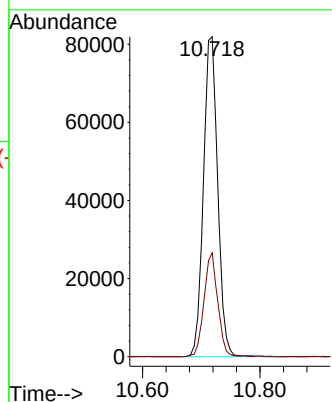
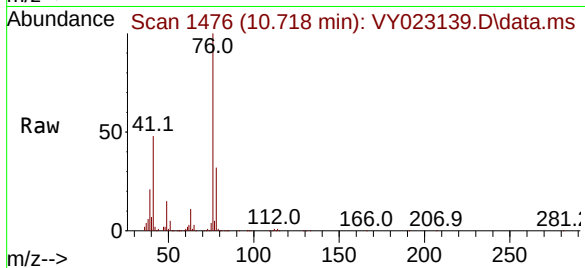
VY0819SBS01

Tgt Ion: 76 Resp: 138195

Ion Ratio Lower Upper

76 100

78 31.3 26.0 39.0



#58

2-Chloroethyl Vinyl ether

Concen: 94.672 ug/l

RT: 9.713 min Scan# 1311

Delta R.T. 0.006 min

Lab File: VY023139.D

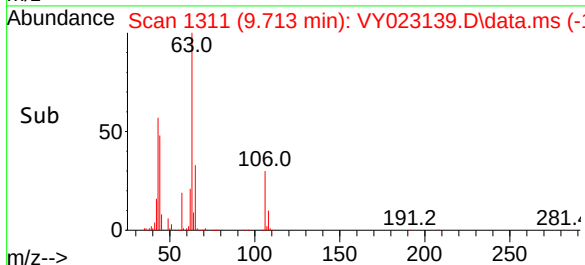
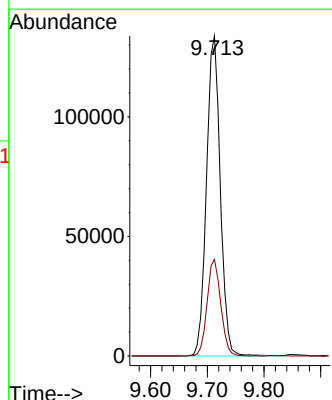
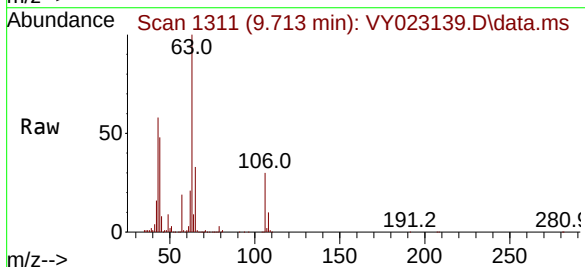
Acq: 19 Aug 2025 10:19

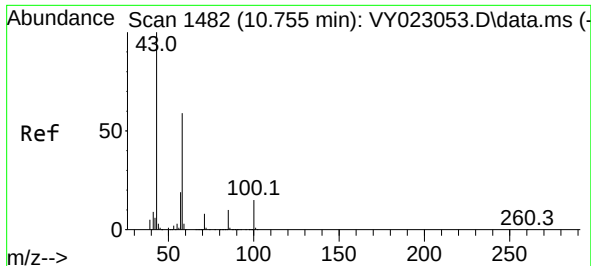
Tgt Ion: 63 Resp: 226098

Ion Ratio Lower Upper

63 100

106 29.8 23.2 34.8





#59

2-Hexanone

Concen: 99.034 ug/l

RT: 10.761 min Scan# 1482

Delta R.T. 0.006 min

Lab File: VY023139.D

Acq: 19 Aug 2025 10:19

Instrument :

MSVOA_Y

ClientSampleId :

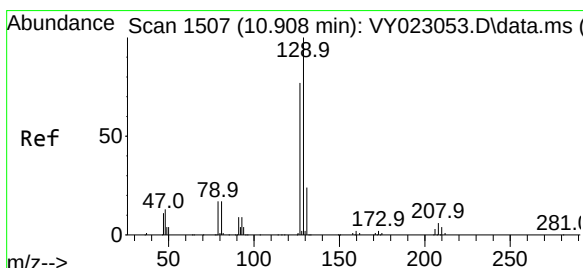
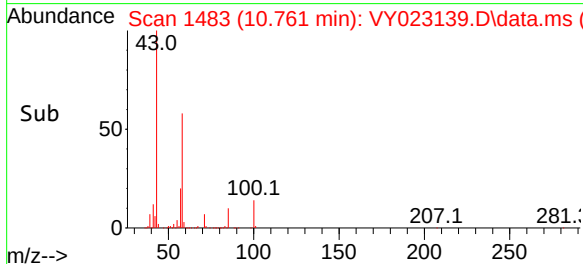
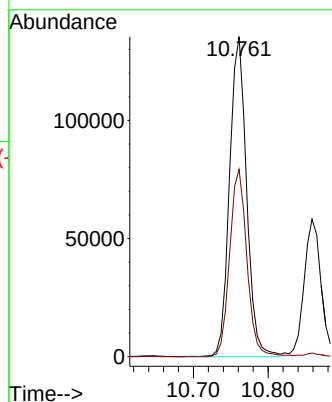
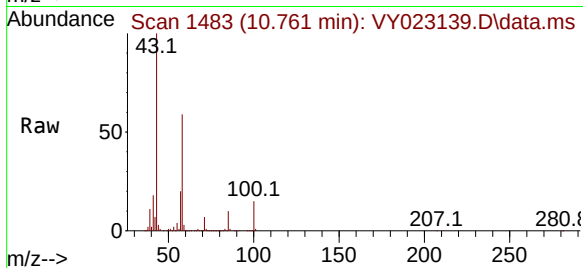
VY0819SBS01

Tgt Ion: 43 Resp: 214547

Ion Ratio Lower Upper

43 100

58 59.3 29.5 88.5



#60

Dibromochloromethane

Concen: 20.554 ug/l

RT: 10.907 min Scan# 1507

Delta R.T. -0.000 min

Lab File: VY023139.D

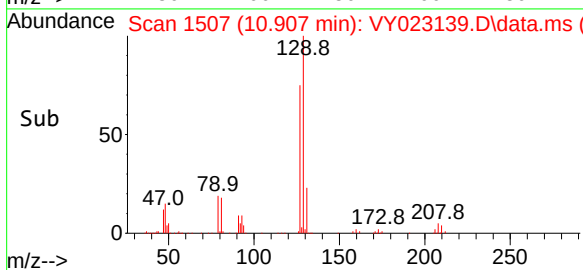
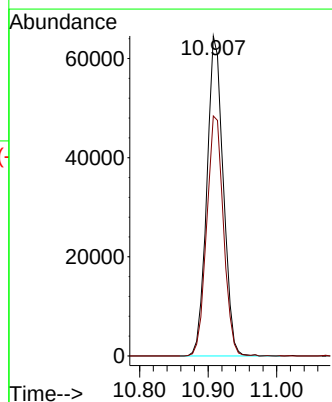
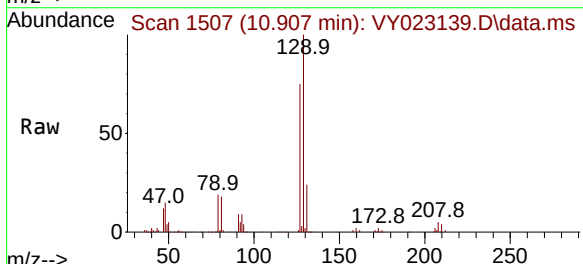
Acq: 19 Aug 2025 10:19

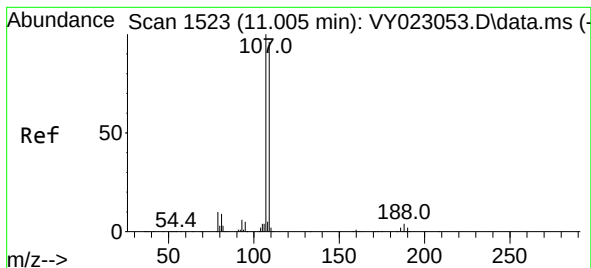
Tgt Ion:129 Resp: 107311

Ion Ratio Lower Upper

129 100

127 76.8 38.5 115.5

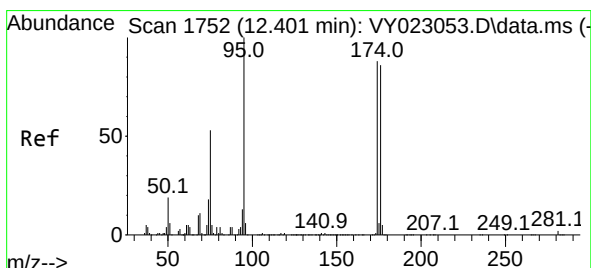
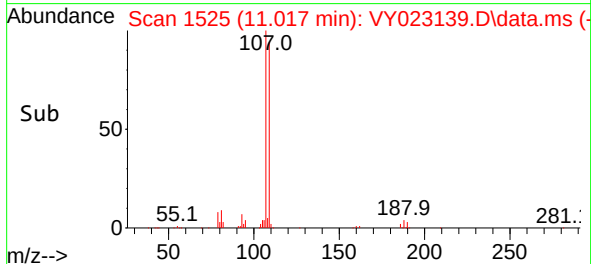
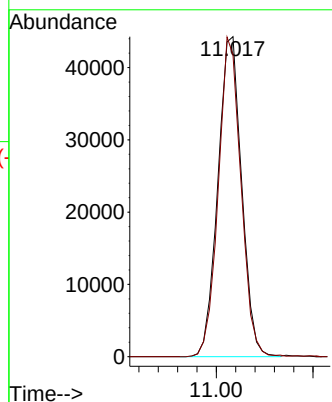
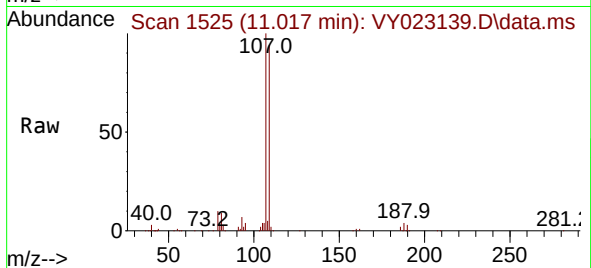




#61
1,2-Dibromoethane
Concen: 20.280 ug/l
RT: 11.017 min Scan# 1525
Delta R.T. 0.012 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

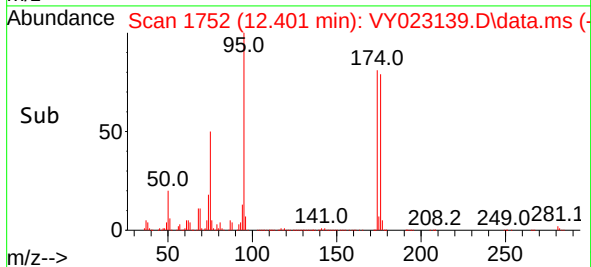
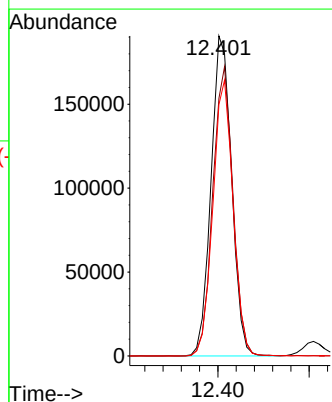
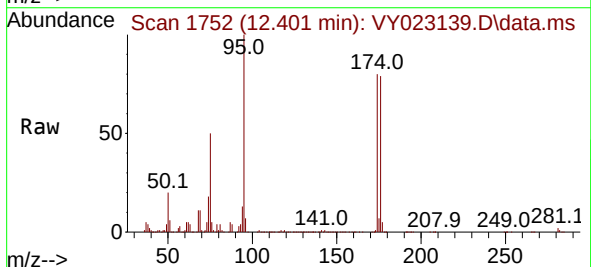
Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBS01

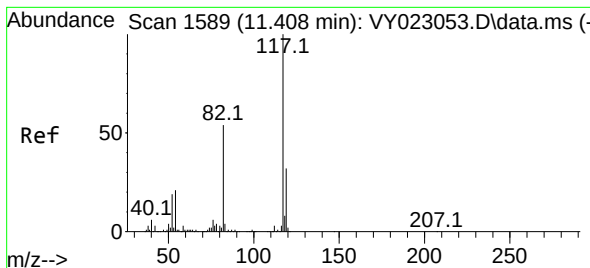
Tgt Ion:107 Resp: 75418
Ion Ratio Lower Upper
107 100
109 94.9 75.6 113.4



#62
4-Bromofluorobenzene
Concen: 48.544 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.000 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Tgt Ion: 95 Resp: 298119
Ion Ratio Lower Upper
95 100
174 88.9 0.0 171.6
176 85.0 0.0 167.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.413 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023139.D

Acq: 19 Aug 2025 10:19

Instrument :

MSVOA_Y

ClientSampleId :

VY0819SBS01

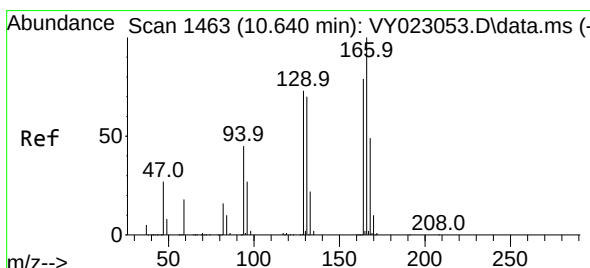
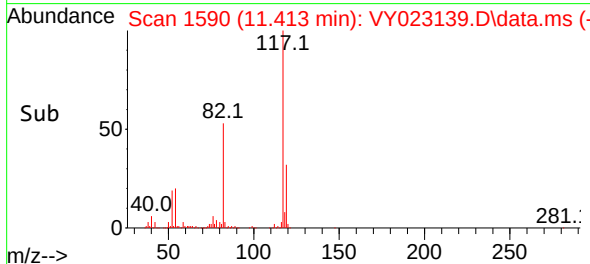
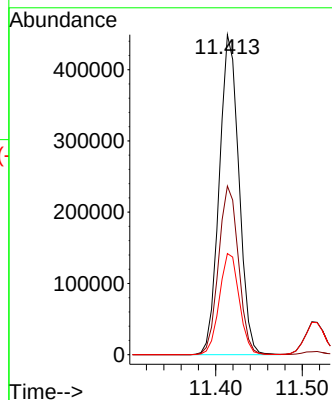
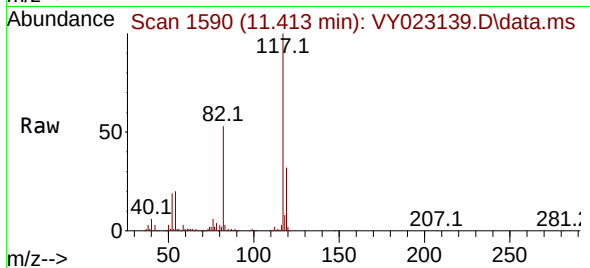
Tgt Ion:117 Resp: 707204

Ion Ratio Lower Upper

117 100

82 52.7 43.4 65.0

119 31.6 25.6 38.4



#64

Tetrachloroethene

Concen: 20.532 ug/l

RT: 10.645 min Scan# 1464

Delta R.T. 0.006 min

Lab File: VY023139.D

Acq: 19 Aug 2025 10:19

Tgt Ion:164 Resp: 129655

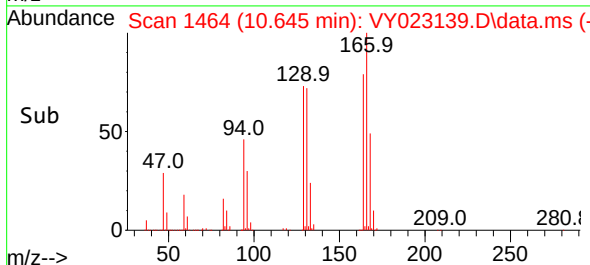
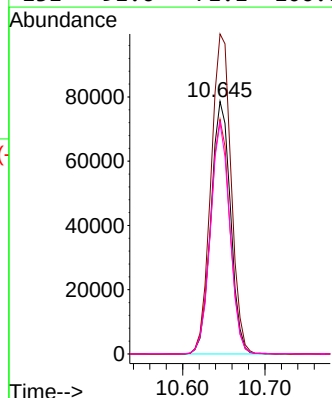
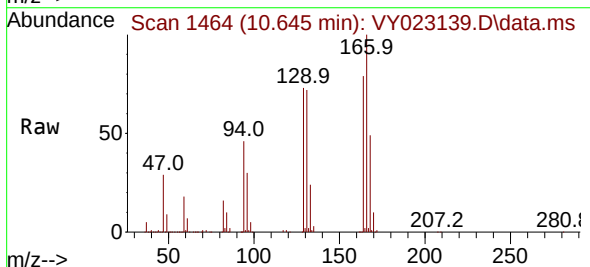
Ion Ratio Lower Upper

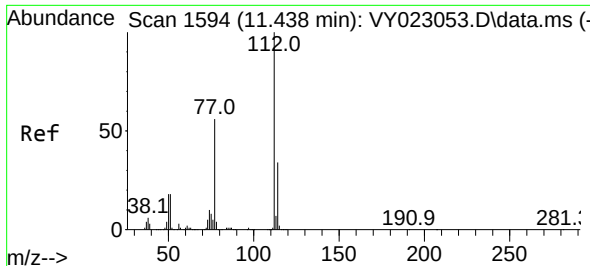
164 100

166 126.7 101.1 151.7

129 92.9 74.0 111.0

131 91.6 71.1 106.7

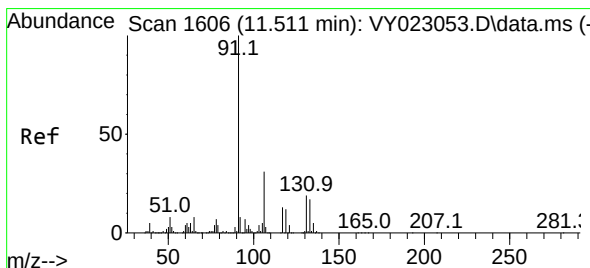
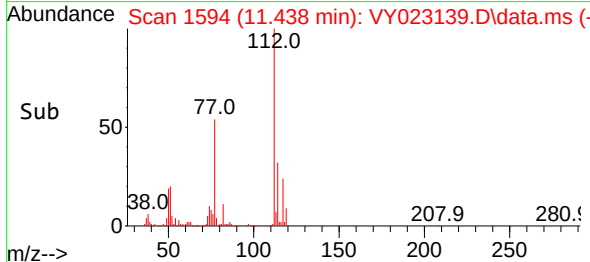
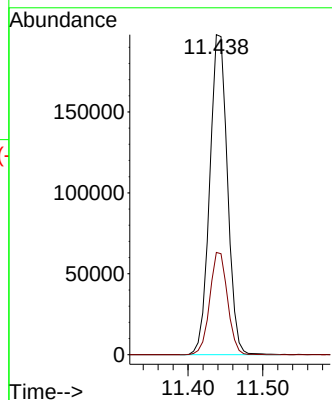
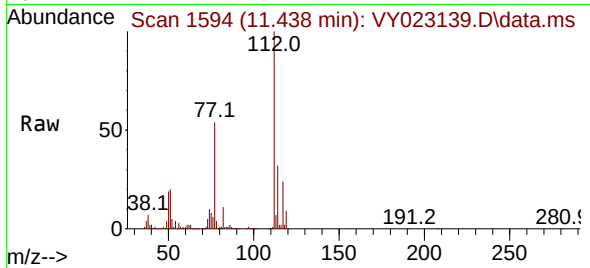




#65
Chlorobenzene
Concen: 21.346 ug/l
RT: 11.438 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

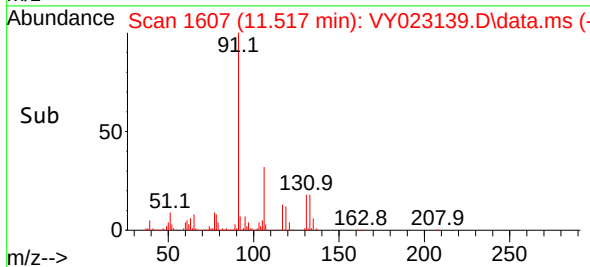
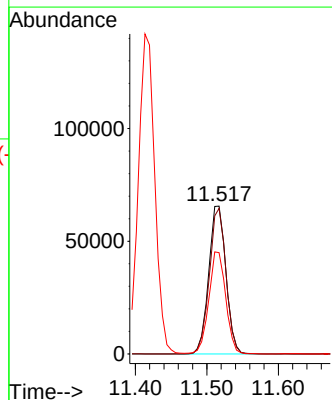
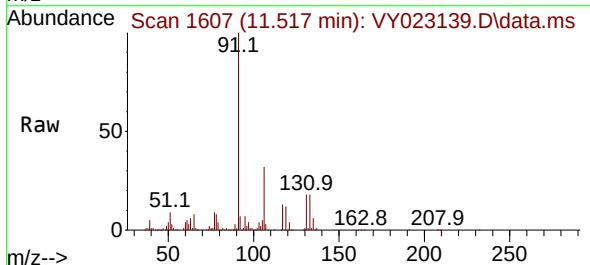
Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBS01

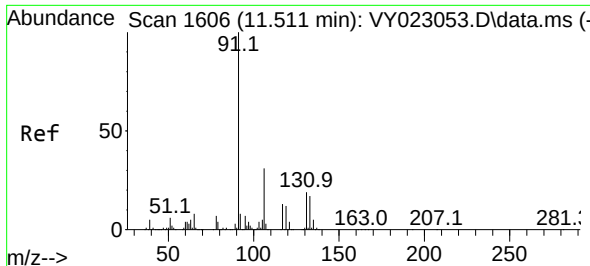
Tgt Ion:112 Resp: 325629
Ion Ratio Lower Upper
112 100
114 31.9 27.0 40.4



#66
1,1,1,2-Tetrachloroethane
Concen: 21.199 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Tgt Ion:131 Resp: 109752
Ion Ratio Lower Upper
131 100
133 95.3 46.9 140.6
119 67.9 33.2 99.6





#67

Ethyl Benzene

Concen: 20.767 ug/l

RT: 11.517 min Scan# 1607

Delta R.T. 0.006 min

Lab File: VY023139.D

Acq: 19 Aug 2025 10:19

Instrument :

MSVOA_Y

ClientSampleId :

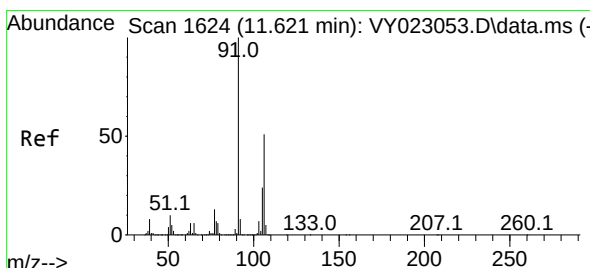
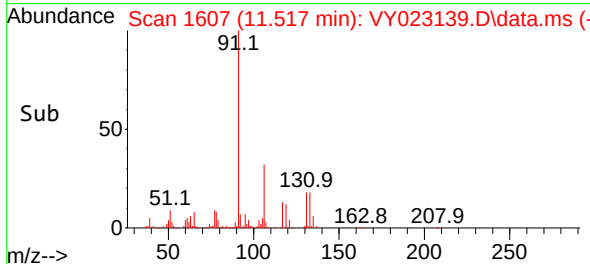
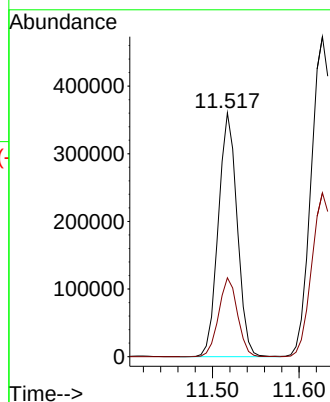
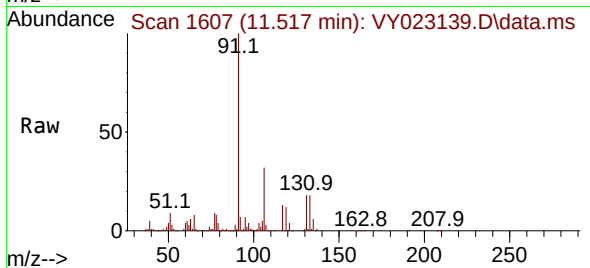
VY0819SBS01

Tgt Ion: 91 Resp: 545176

Ion Ratio Lower Upper

91 100

106 32.4 25.0 37.4



#68

m/p-Xylenes

Concen: 41.951 ug/l

RT: 11.627 min Scan# 1625

Delta R.T. 0.006 min

Lab File: VY023139.D

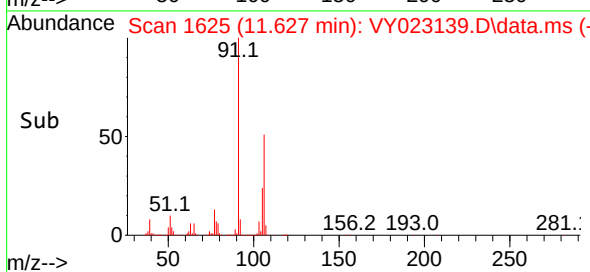
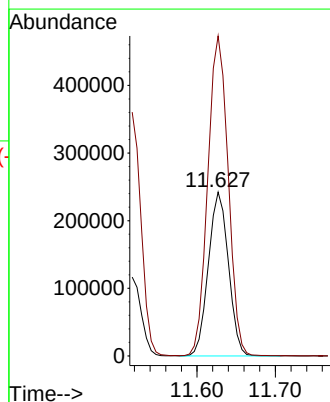
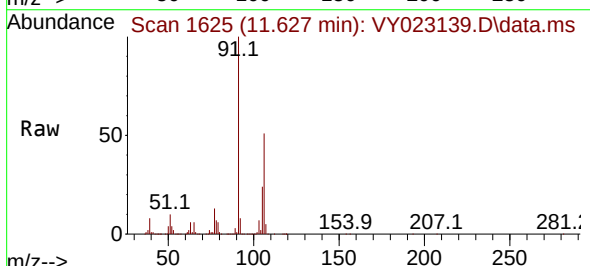
Acq: 19 Aug 2025 10:19

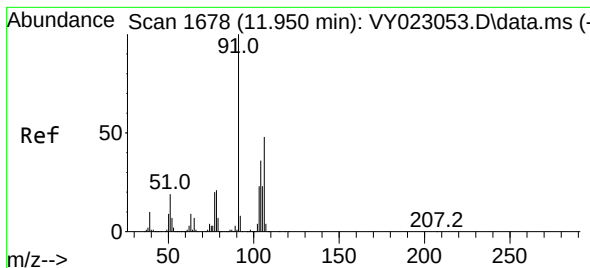
Tgt Ion: 106 Resp: 430120

Ion Ratio Lower Upper

106 100

91 198.8 158.6 238.0





#69

o-Xylene

Concen: 21.020 ug/l

RT: 11.956 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY023139.D

Acq: 19 Aug 2025 10:19

Instrument :

MSVOA_Y

ClientSampleId :

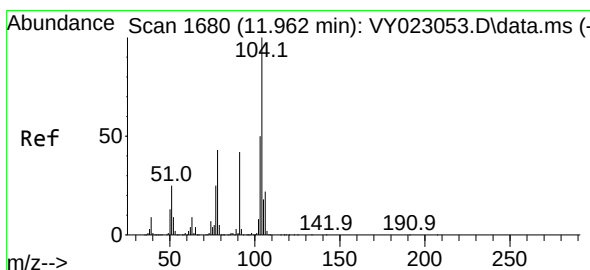
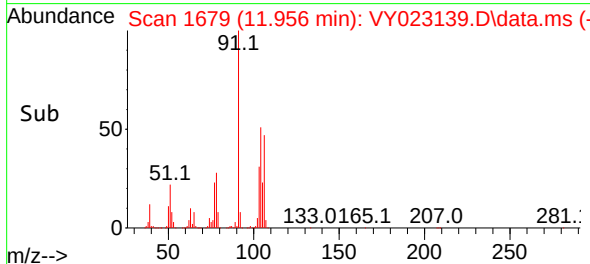
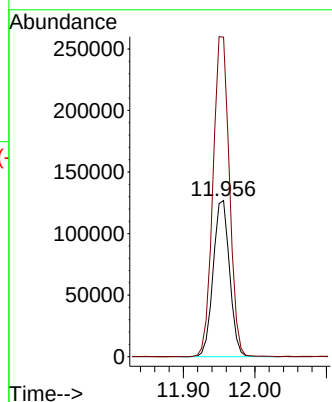
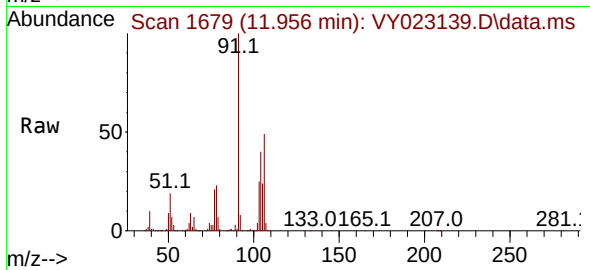
VY0819SBS01

Tgt Ion:106 Resp: 201847

Ion Ratio Lower Upper

106 100

91 206.0 103.2 309.4



#70

Styrene

Concen: 21.028 ug/l

RT: 11.968 min Scan# 1681

Delta R.T. 0.006 min

Lab File: VY023139.D

Acq: 19 Aug 2025 10:19

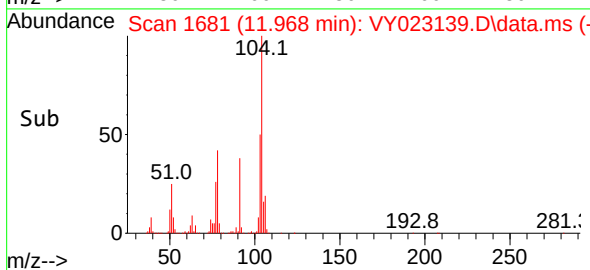
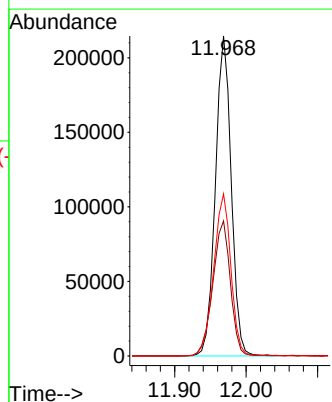
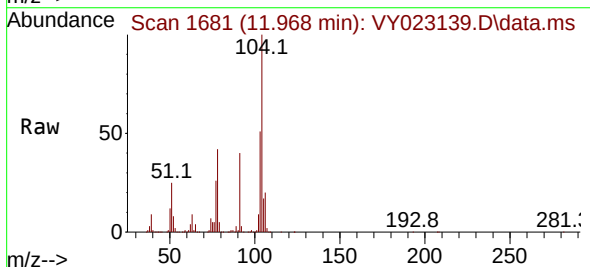
Tgt Ion:104 Resp: 330216

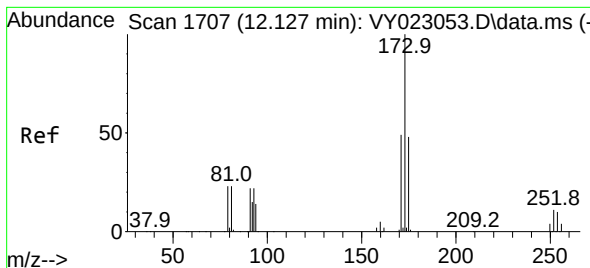
Ion Ratio Lower Upper

104 100

78 46.9 38.5 57.7

103 55.0 43.7 65.5





#71

Bromoform

Concen: 20.525 ug/l

RT: 12.127 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY023139.D

Acq: 19 Aug 2025 10:19

Instrument :

MSVOA_Y

ClientSampleId :

VY0819SBS01

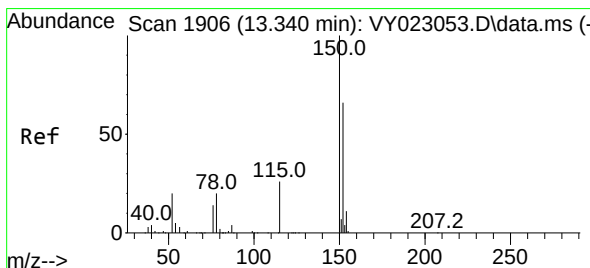
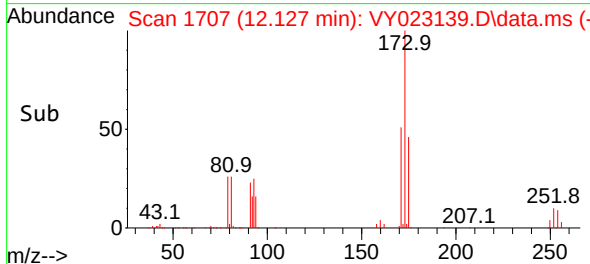
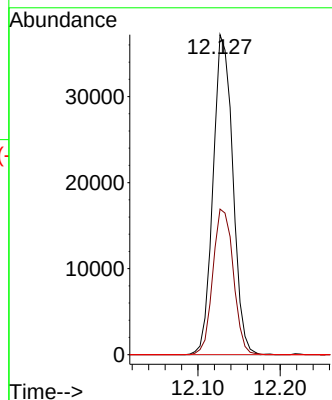
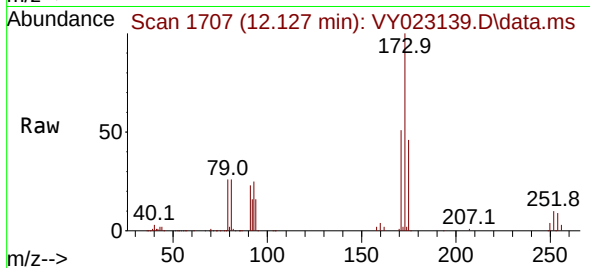
Tgt Ion:173 Resp: 62105

Ion Ratio Lower Upper

173 100

175 47.2 23.9 71.7

254 0.0 0.1 0.1#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.006 min

Lab File: VY023139.D

Acq: 19 Aug 2025 10:19

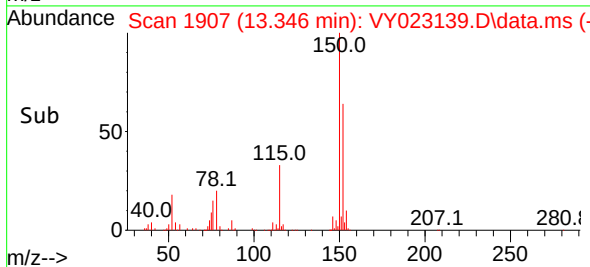
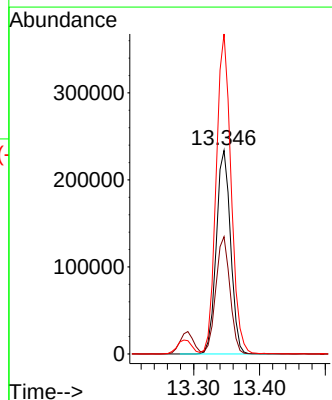
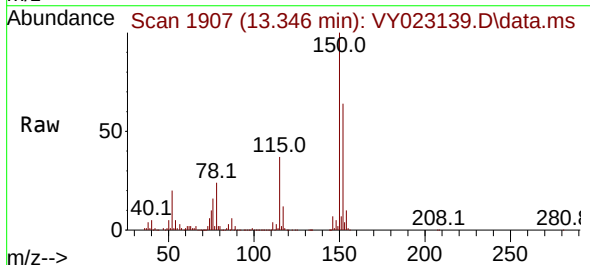
Tgt Ion:152 Resp: 352720

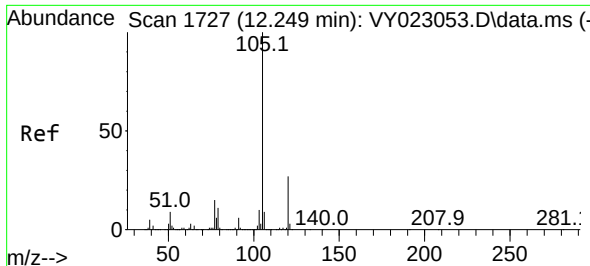
Ion Ratio Lower Upper

152 100

115 56.8 28.2 84.6

150 164.2 0.0 348.0

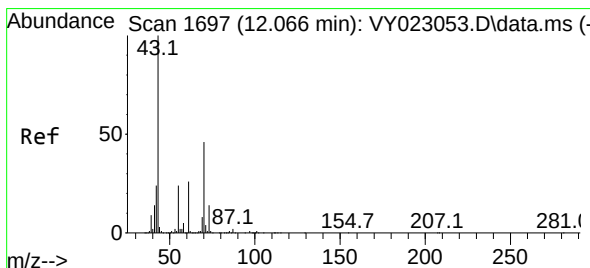
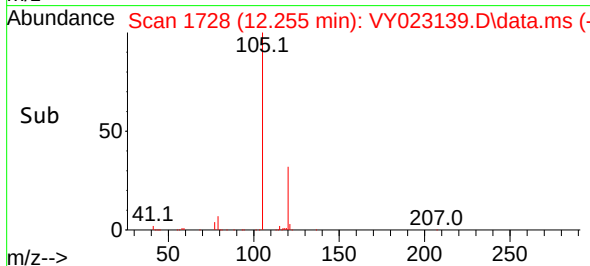
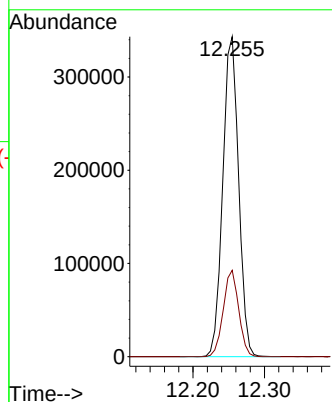
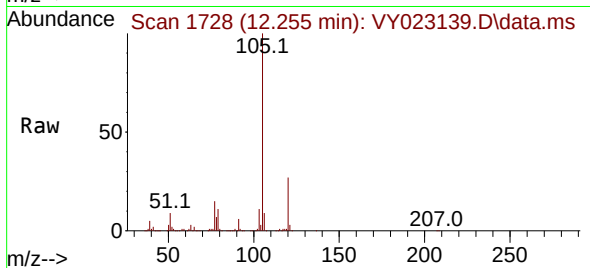




#73
Isopropylbenzene
Concen: 21.185 ug/l
RT: 12.255 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

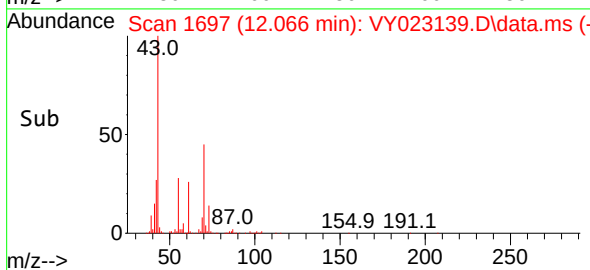
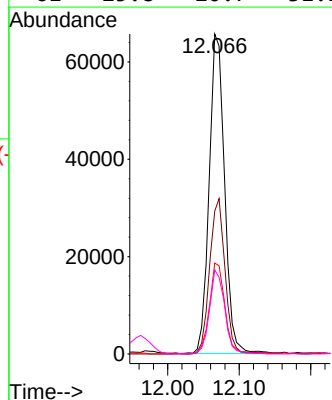
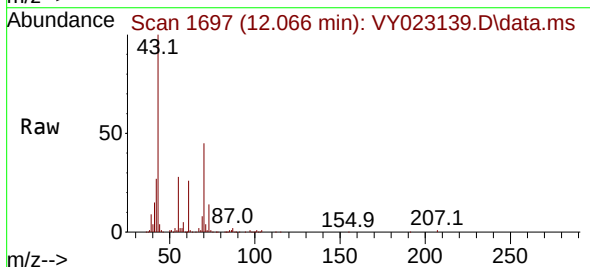
Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBS01

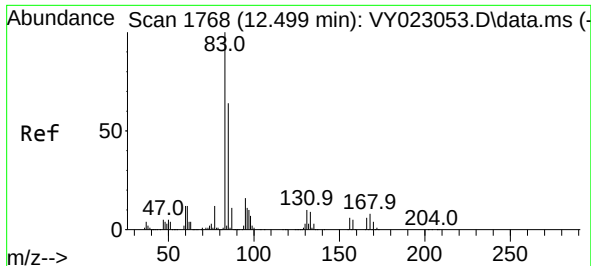
Tgt Ion:105 Resp: 527385
Ion Ratio Lower Upper
105 100
120 26.4 13.4 40.2



#74
N-ethyl acetate
Concen: 18.632 ug/l
RT: 12.066 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Tgt Ion: 43 Resp: 98366
Ion Ratio Lower Upper
43 100
70 48.9 37.5 56.3
55 28.7 20.7 31.1
61 25.8 20.7 31.1

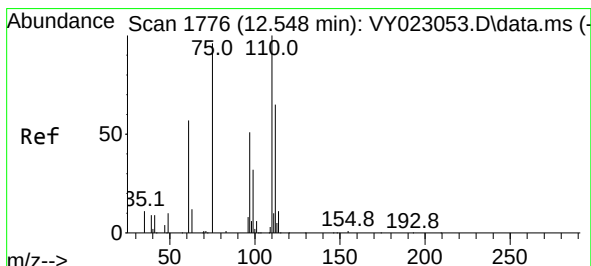
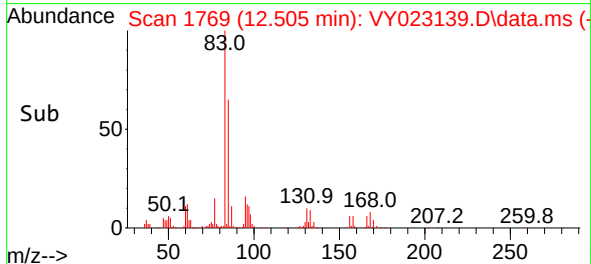
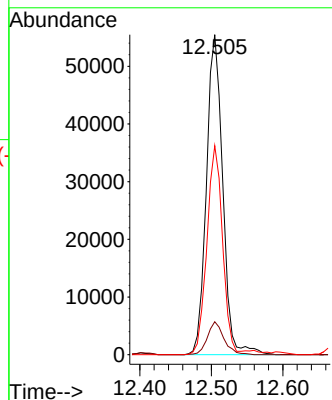
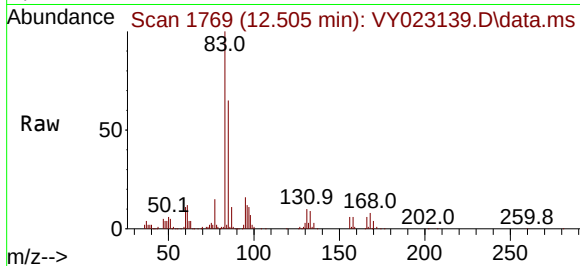




#75
1,1,2,2-Tetrachloroethane
Concen: 20.694 ug/l
RT: 12.505 min Scan# 1769
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

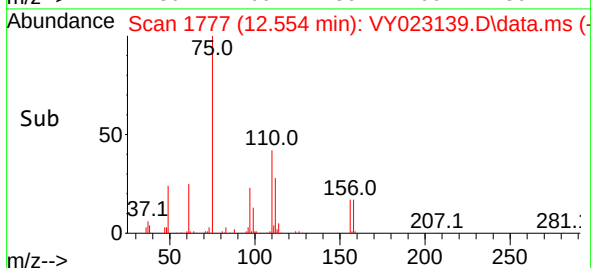
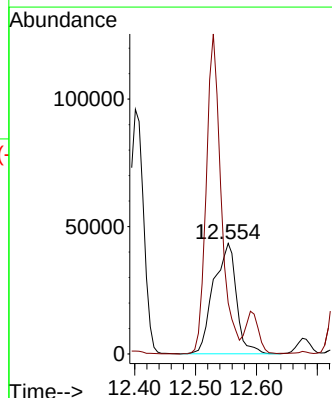
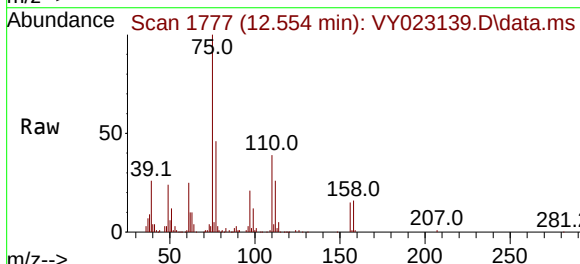
Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBS01

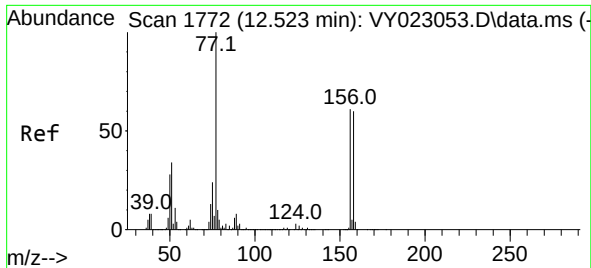
Tgt Ion: 83 Resp: 87962
Ion Ratio Lower Upper
83 100
131 10.4 5.1 15.3
85 62.7 31.8 95.3



#76
1,2,3-Trichloropropane
Concen: 33.119 ug/l
RT: 12.554 min Scan# 1777
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Tgt Ion: 75 Resp: 112742
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0

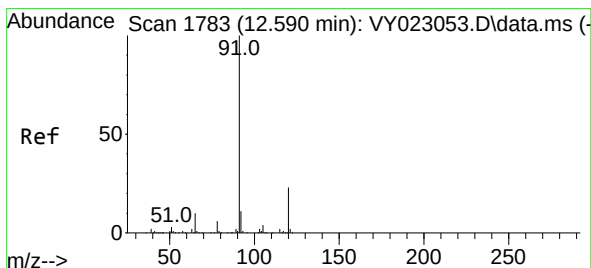
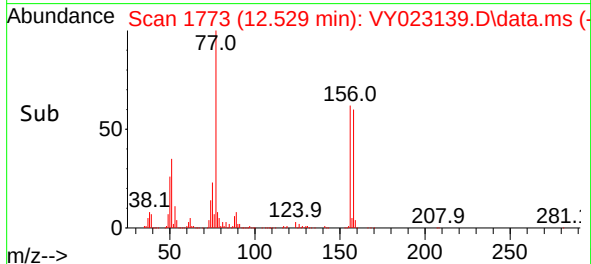
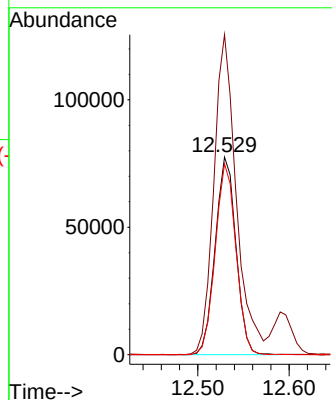
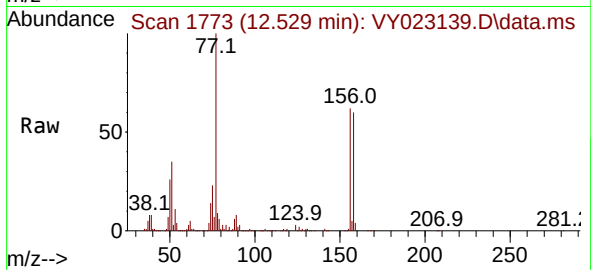




#77
Bromobenzene
Concen: 20.592 ug/l
RT: 12.529 min Scan# 1773
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

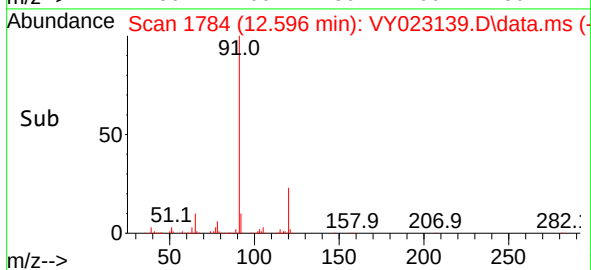
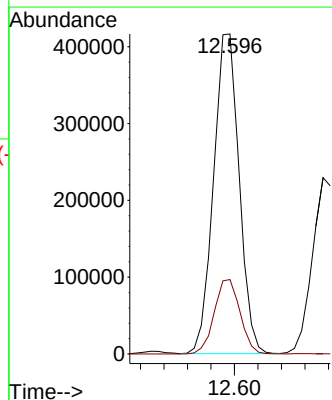
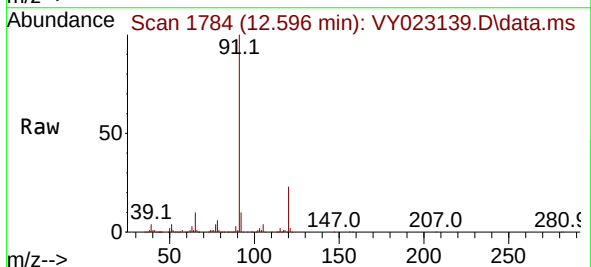
Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBS01

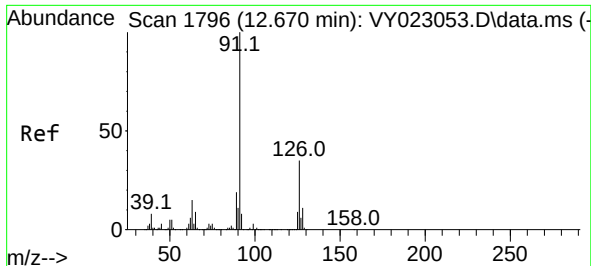
Tgt Ion:156 Resp: 122298
Ion Ratio Lower Upper
156 100
77 174.9 88.1 264.4
158 96.4 48.0 144.0



#78
n-propylbenzene
Concen: 21.255 ug/l
RT: 12.596 min Scan# 1784
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Tgt Ion: 91 Resp: 629976
Ion Ratio Lower Upper
91 100
120 23.4 11.5 34.5





#79

2-Chlorotoluene

Concen: 20.990 ug/l

RT: 12.675 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY023139.D

Acq: 19 Aug 2025 10:19

Instrument :

MSVOA_Y

ClientSampleId :

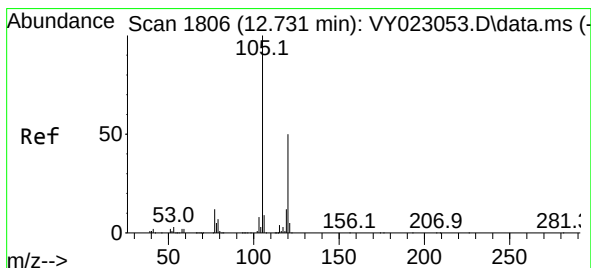
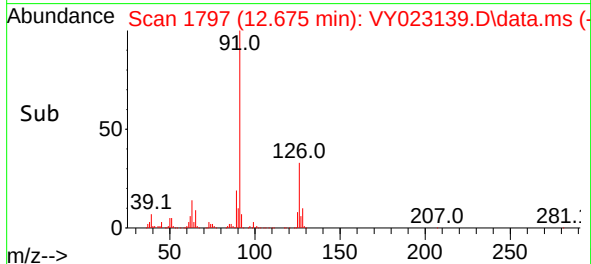
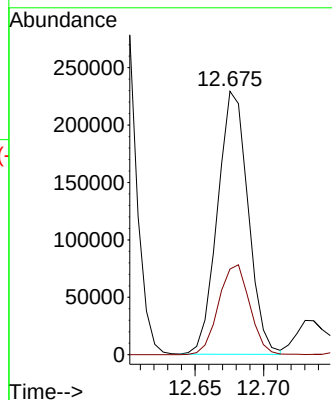
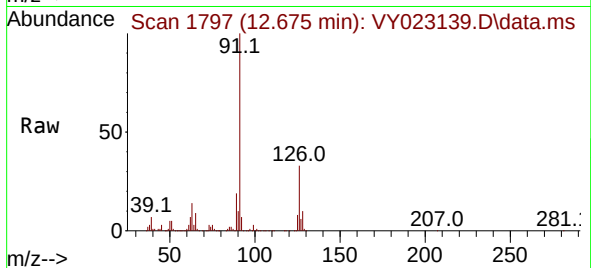
VY0819SBS01

Tgt Ion: 91 Resp: 356441

Ion Ratio Lower Upper

91 100

126 34.8 17.4 52.3



#80

1,3,5-Trimethylbenzene

Concen: 21.022 ug/l

RT: 12.736 min Scan# 1807

Delta R.T. 0.006 min

Lab File: VY023139.D

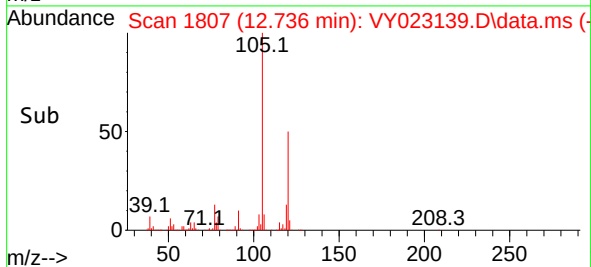
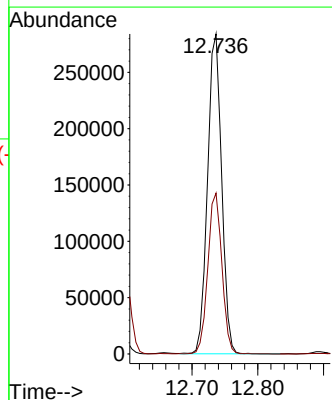
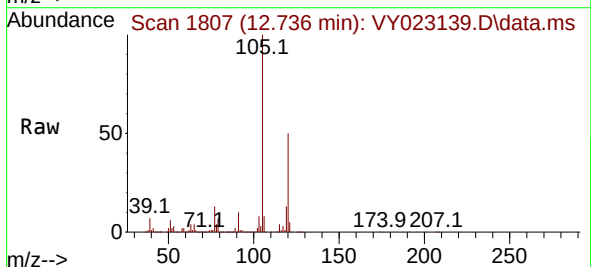
Acq: 19 Aug 2025 10:19

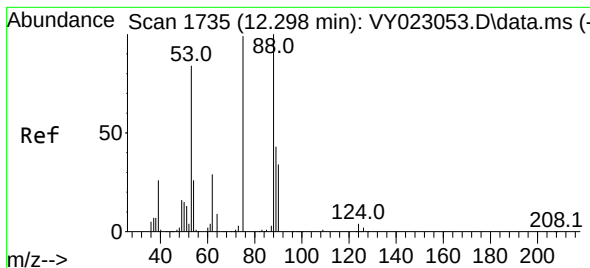
Tgt Ion: 105 Resp: 422945

Ion Ratio Lower Upper

105 100

120 50.1 24.8 74.4

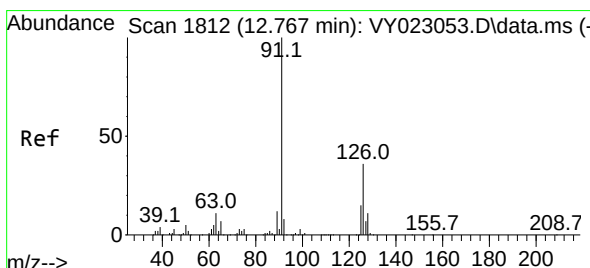
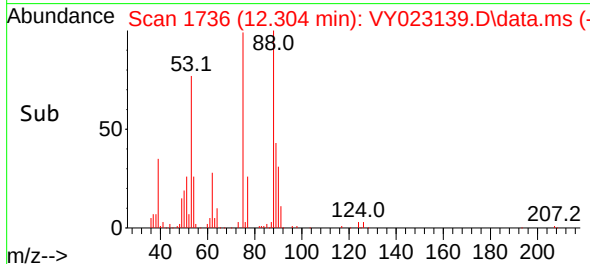
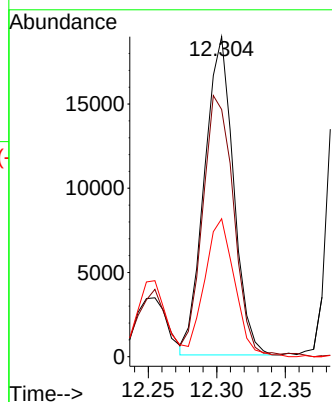
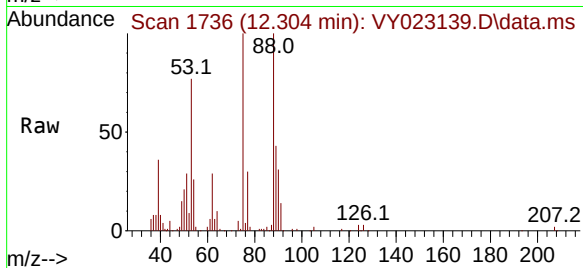




#81
trans-1,4-Dichloro-2-butene
Concen: 19.838 ug/l
RT: 12.304 min Scan# 1736
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

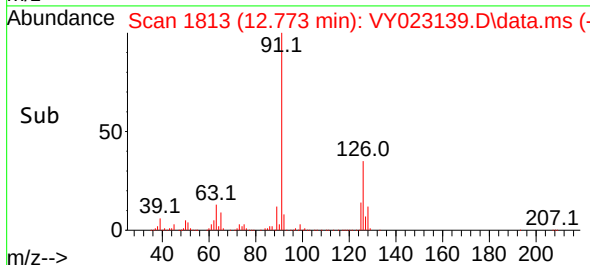
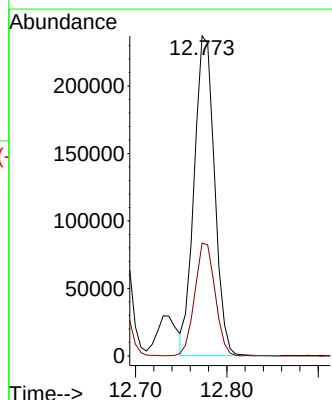
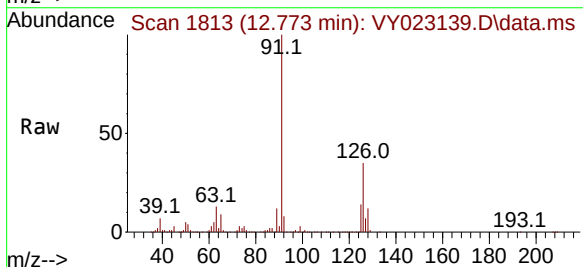
Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBS01

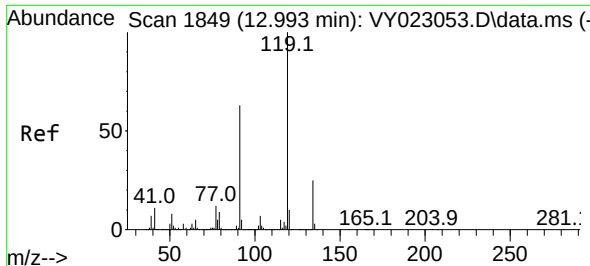
Tgt Ion: 75 Resp: 27897
Ion Ratio Lower Upper
75 100
53 88.5 70.8 106.2
89 44.3 38.1 57.1



#82
4-Chlorotoluene
Concen: 20.803 ug/l
RT: 12.773 min Scan# 1813
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Tgt Ion: 91 Resp: 366476
Ion Ratio Lower Upper
91 100
126 35.5 17.3 52.0

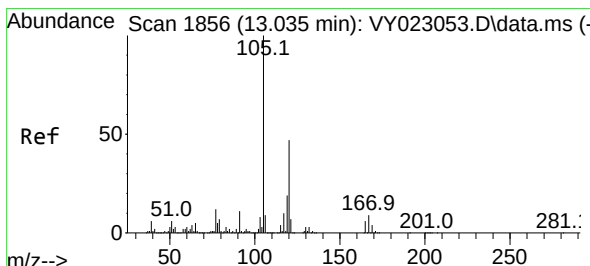
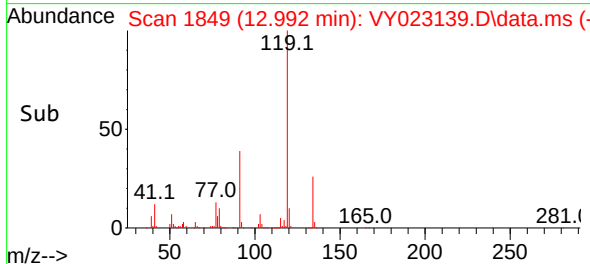
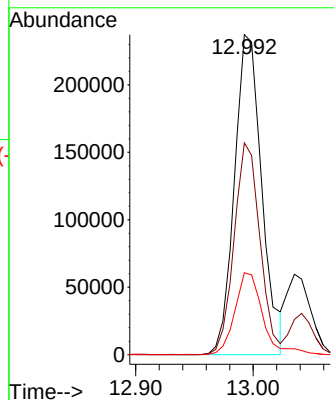
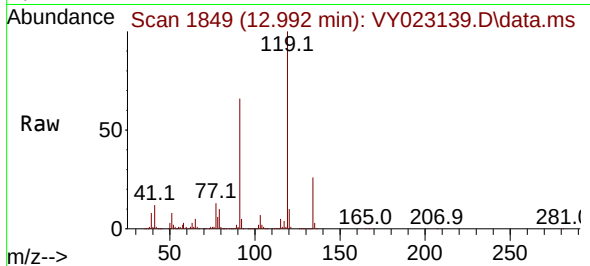




#83
 tert-Butylbenzene
 Concen: 21.122 ug/l
 RT: 12.992 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VY023139.D
 Acq: 19 Aug 2025 10:19

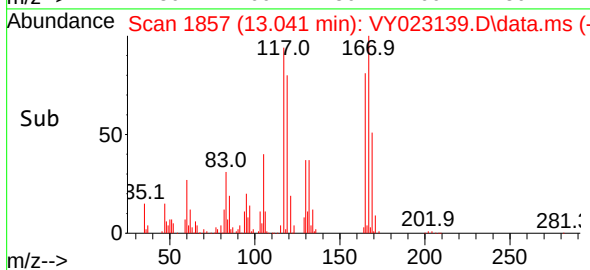
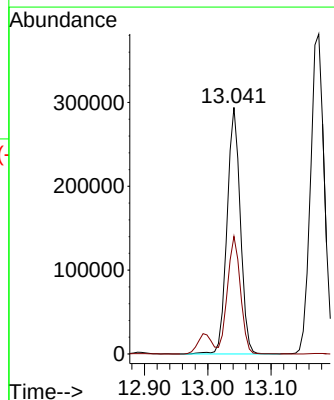
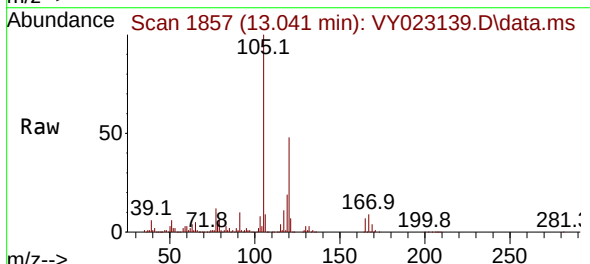
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0819SBS01

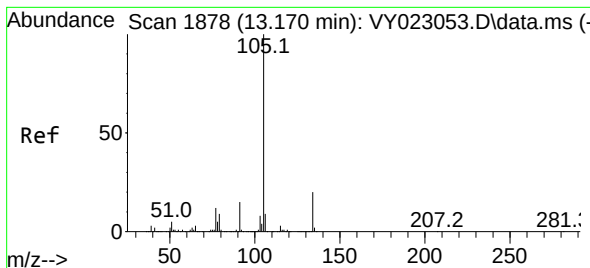
Tgt Ion:119 Resp: 383813
 Ion Ratio Lower Upper
 119 100
 91 62.5 31.6 94.8
 134 26.1 12.9 38.7



#84
 1,2,4-Trimethylbenzene
 Concen: 21.298 ug/l
 RT: 13.041 min Scan# 1857
 Delta R.T. 0.006 min
 Lab File: VY023139.D
 Acq: 19 Aug 2025 10:19

Tgt Ion:105 Resp: 426567
 Ion Ratio Lower Upper
 105 100
 120 46.5 23.0 69.0

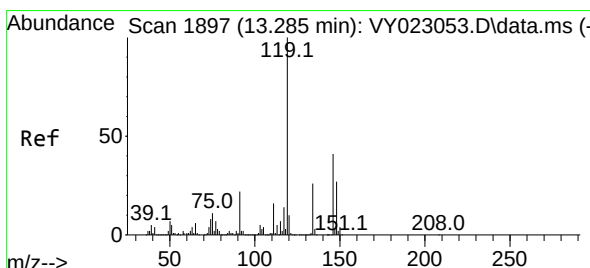
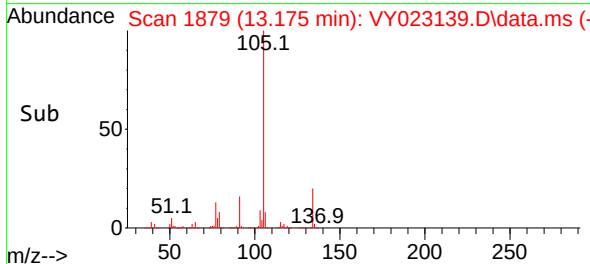
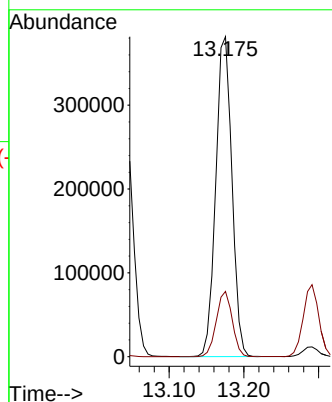
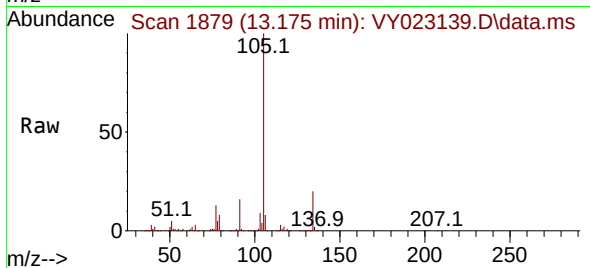




#85
 sec-Butylbenzene
 Concen: 21.463 ug/l
 RT: 13.175 min Scan# 1878
 Delta R.T. 0.006 min
 Lab File: VY023139.D
 Acq: 19 Aug 2025 10:19

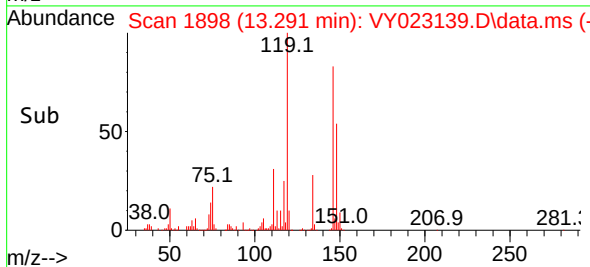
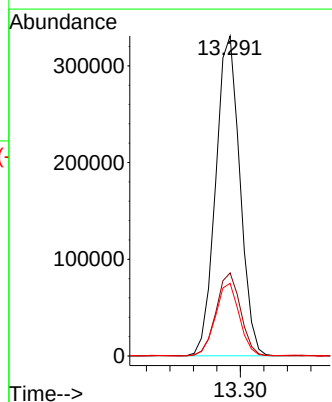
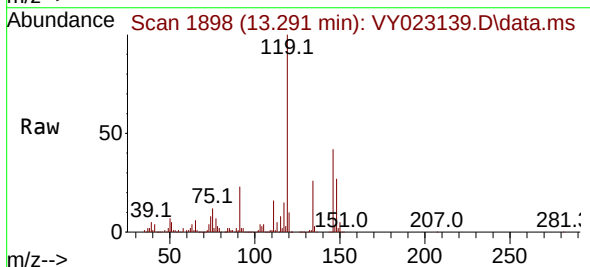
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0819SBS01

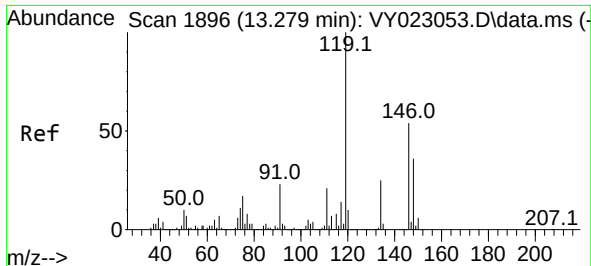
Tgt Ion:105 Resp: 572911
 Ion Ratio Lower Upper
 105 100
 134 20.1 10.2 30.4



#86
 p-Isopropyltoluene
 Concen: 21.375 ug/l
 RT: 13.291 min Scan# 1898
 Delta R.T. 0.006 min
 Lab File: VY023139.D
 Acq: 19 Aug 2025 10:19

Tgt Ion:119 Resp: 473600
 Ion Ratio Lower Upper
 119 100
 134 26.2 13.2 39.6
 91 22.3 11.3 33.8





#87

1,3-Dichlorobenzene

Concen: 20.938 ug/l

RT: 13.285 min Scan# 1896

Delta R.T. 0.006 min

Lab File: VY023139.D

Acq: 19 Aug 2025 10:19

Instrument :

MSVOA_Y

ClientSampleId :

VY0819SBS01

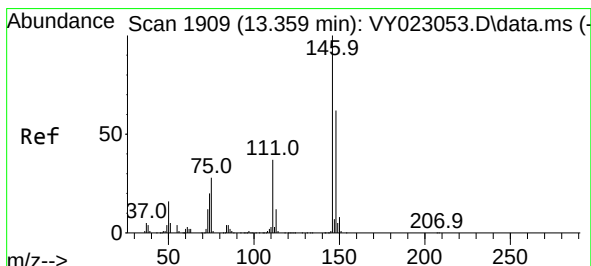
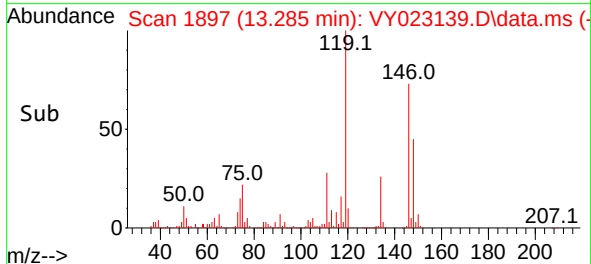
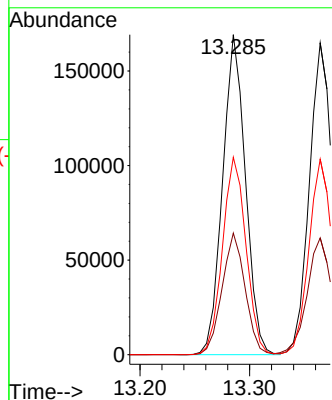
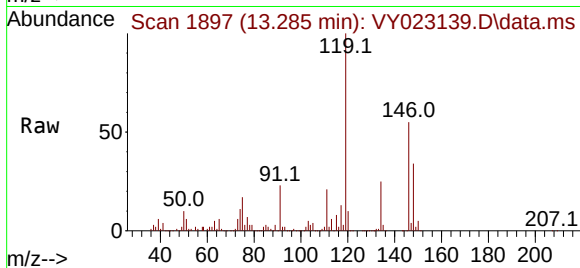
Tgt Ion:146 Resp: 245224

Ion Ratio Lower Upper

146 100

111 38.4 19.6 58.7

148 63.6 32.5 97.5



#88

1,4-Dichlorobenzene

Concen: 20.829 ug/l

RT: 13.364 min Scan# 1910

Delta R.T. 0.006 min

Lab File: VY023139.D

Acq: 19 Aug 2025 10:19

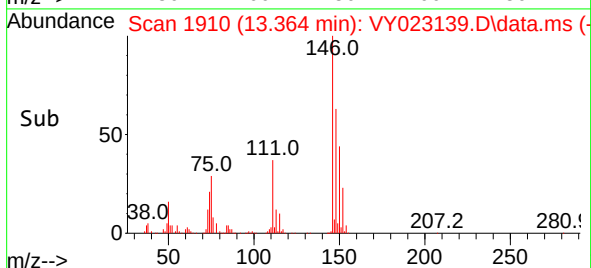
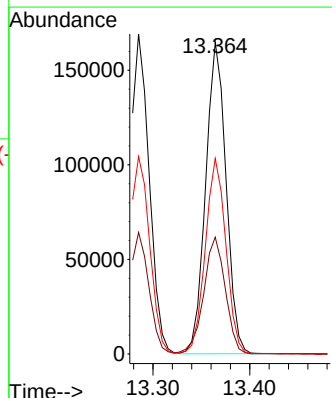
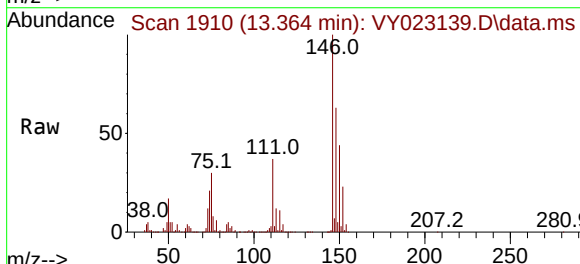
Tgt Ion:146 Resp: 241992

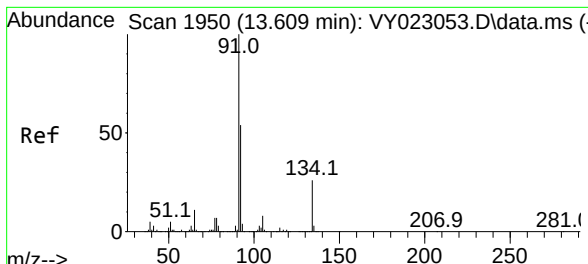
Ion Ratio Lower Upper

146 100

111 39.9 19.1 57.1

148 63.2 31.6 94.7

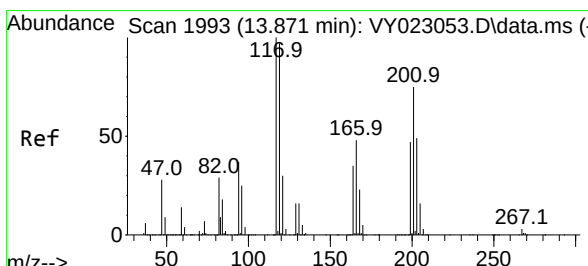
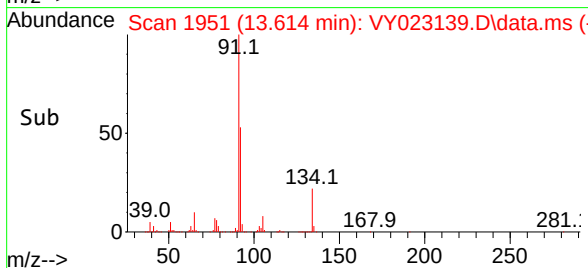
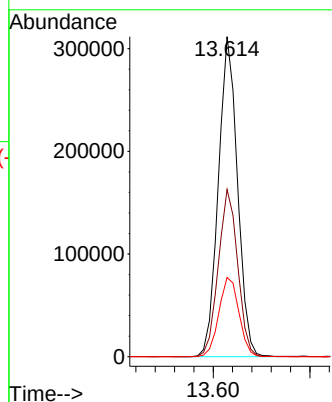
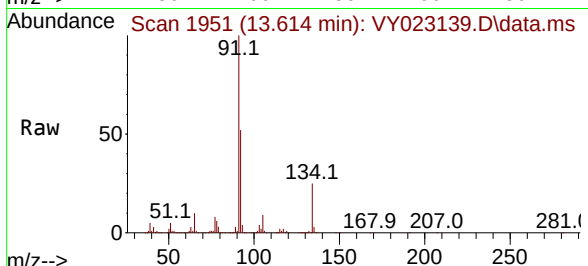




#89
n-Butylbenzene
Concen: 20.989 ug/l
RT: 13.614 min Scan# 1951
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

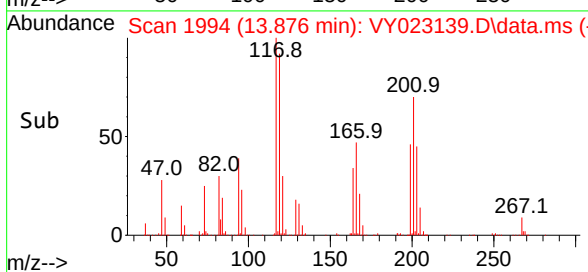
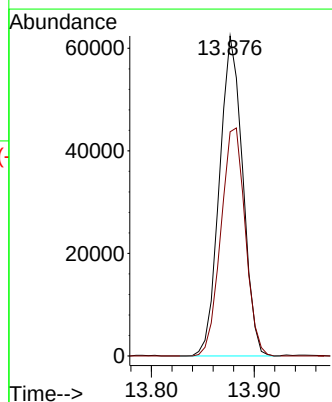
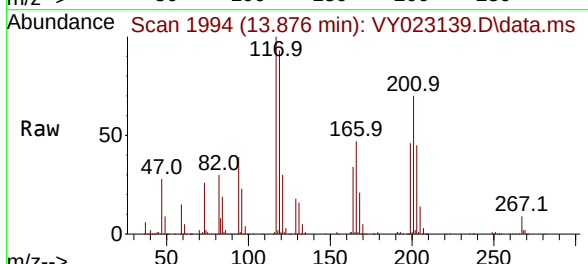
Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBS01

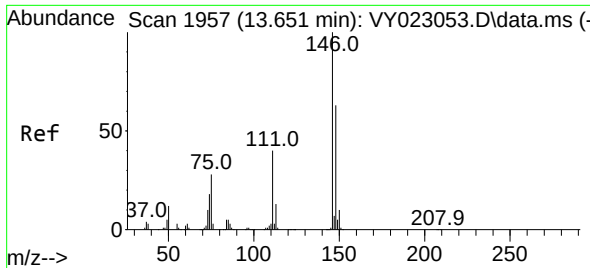
Tgt Ion:	91	Resp:	427124
Ion	Ratio	Lower	Upper
91	100		
92	53.0	26.9	80.7
134	26.0	13.2	39.5



#90
Hexachloroethane
Concen: 21.595 ug/l
RT: 13.876 min Scan# 1994
Delta R.T. 0.006 min
Lab File: VY023139.D
Acq: 19 Aug 2025 10:19

Tgt Ion:	117	Resp:	97949
Ion	Ratio	Lower	Upper
117	100		
201	74.7	38.4	115.1

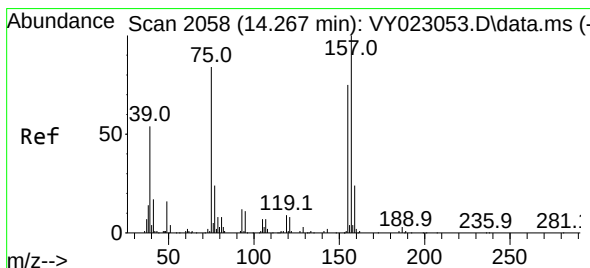
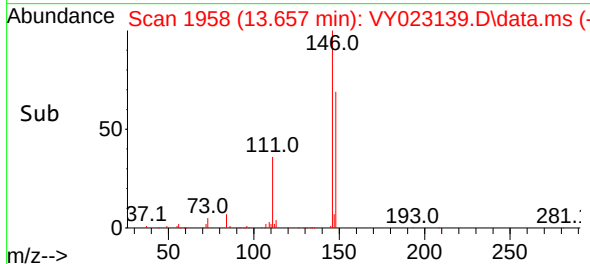
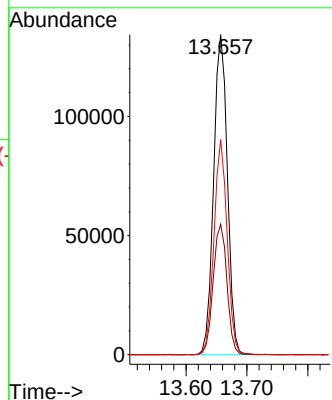
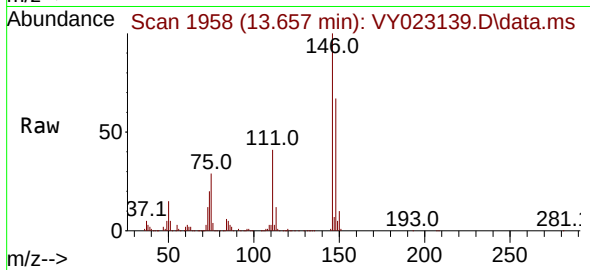




#91
 1,2-Dichlorobenzene
 Concen: 20.524 ug/l
 RT: 13.657 min Scan# 1957
 Delta R.T. 0.006 min
 Lab File: VY023139.D
 Acq: 19 Aug 2025 10:19

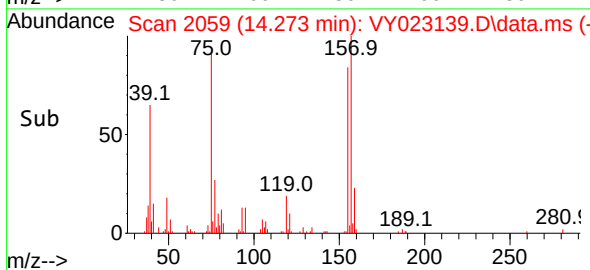
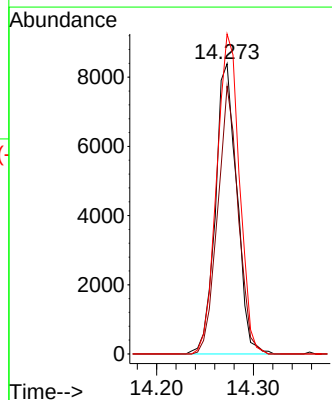
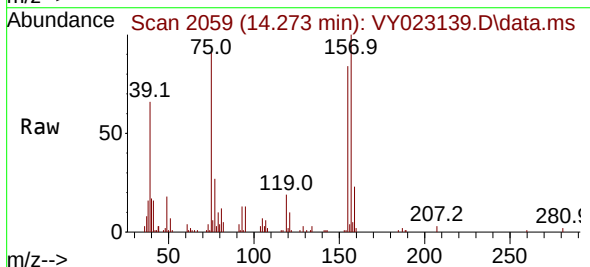
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0819SBS01

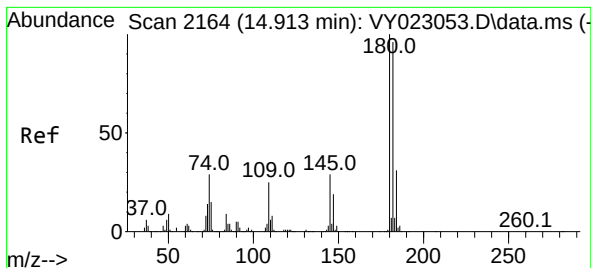
Tgt Ion:	146	Resp:	210816
Ion	Ratio	Lower	Upper
146	100		
111	40.7	20.3	60.8
148	64.5	32.2	96.6



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.499 ug/l
 RT: 14.273 min Scan# 2059
 Delta R.T. 0.006 min
 Lab File: VY023139.D
 Acq: 19 Aug 2025 10:19

Tgt Ion:	75	Resp:	12905
Ion	Ratio	Lower	Upper
75	100		
155	88.5	43.9	131.6
157	116.6	57.2	171.6





#93

1,2,4-Trichlorobenzene

Concen: 20.157 ug/l

RT: 14.919 min Scan# 2165

Delta R.T. 0.006 min

Lab File: VY023139.D

Acq: 19 Aug 2025 10:19

Instrument :

MSVOA_Y

ClientSampleId :

VY0819SBS01

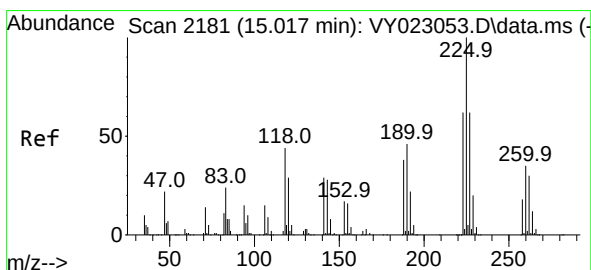
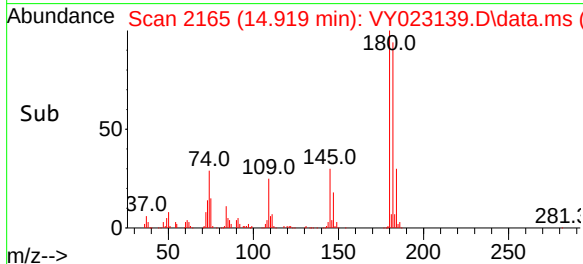
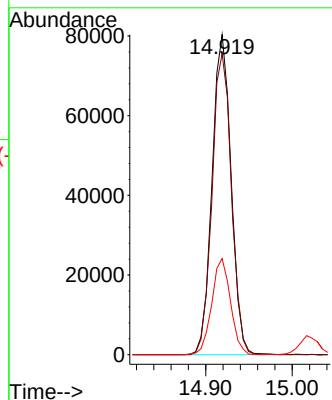
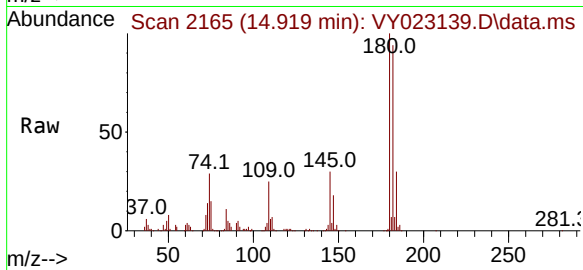
Tgt Ion:180 Resp: 122439

Ion Ratio Lower Upper

180 100

182 95.5 46.8 140.4

145 29.7 14.4 43.4



#94

Hexachlorobutadiene

Concen: 21.149 ug/l

RT: 15.023 min Scan# 2182

Delta R.T. 0.006 min

Lab File: VY023139.D

Acq: 19 Aug 2025 10:19

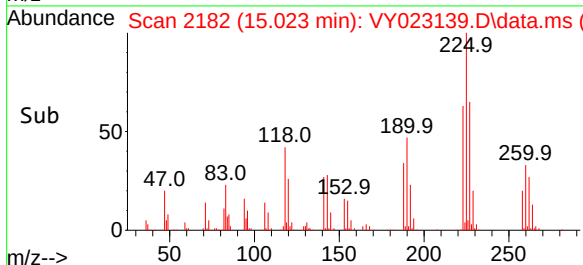
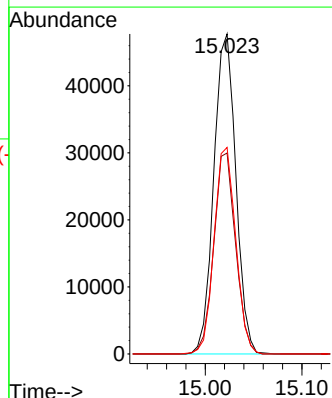
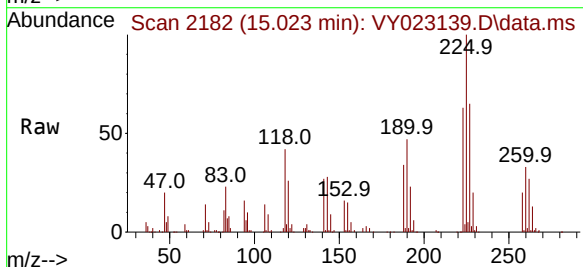
Tgt Ion:225 Resp: 75487

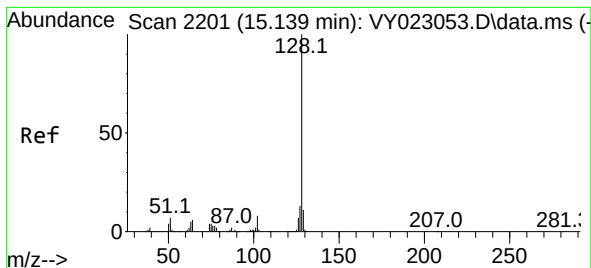
Ion Ratio Lower Upper

225 100

223 62.2 31.3 93.8

227 63.6 31.5 94.5





#95

Naphthalene

Concen: 19.124 ug/l

RT: 15.145 min Scan# 2201

Delta R.T. 0.006 min

Lab File: VY023139.D

Acq: 19 Aug 2025 10:19

Instrument :

MSVOA_Y

ClientSampleId :

VY0819SBS01

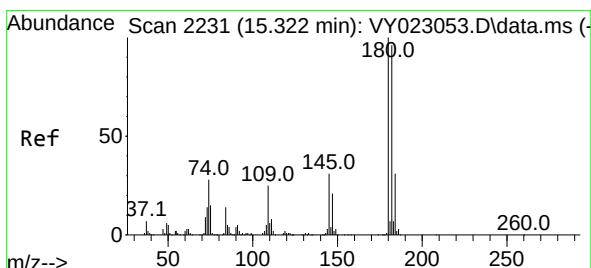
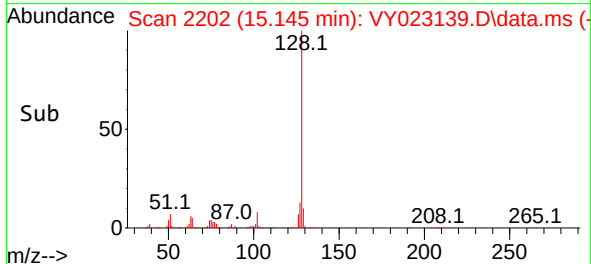
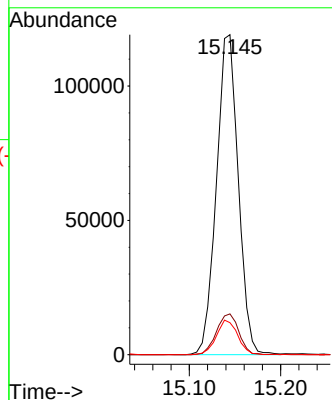
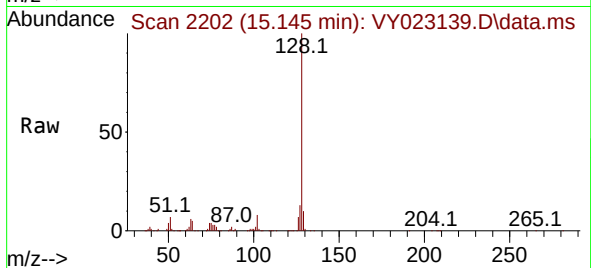
Tgt Ion:128 Resp: 198080

Ion Ratio Lower Upper

128 100

127 13.1 10.4 15.6

129 10.6 9.0 13.4



#96

1,2,3-Trichlorobenzene

Concen: 20.115 ug/l

RT: 15.327 min Scan# 2232

Delta R.T. 0.006 min

Lab File: VY023139.D

Acq: 19 Aug 2025 10:19

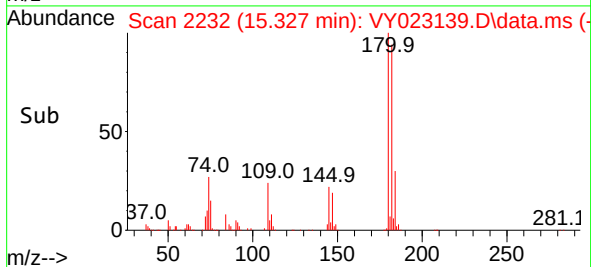
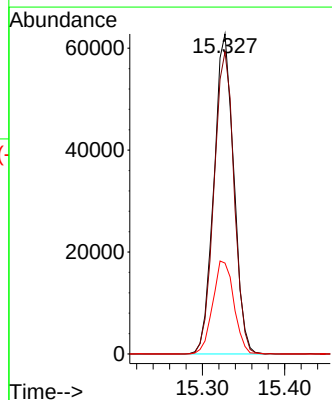
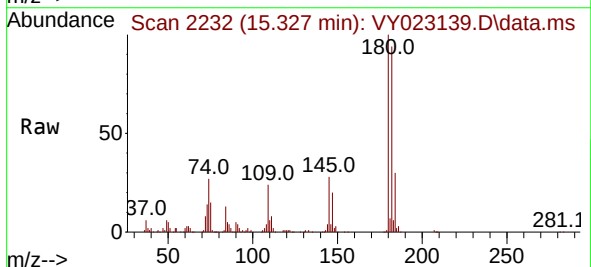
Tgt Ion:180 Resp: 105286

Ion Ratio Lower Upper

180 100

182 95.4 47.9 143.7

145 30.9 15.9 47.7



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081925\
 Data File : VY023160.D
 Acq On : 19 Aug 2025 19:08
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 3.80g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Aug 20 01:34:40 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 13 02:10:11 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	453917	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	726912	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	647238	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	333557	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	213375	49.322	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	98.640%
35) Dibromofluoromethane	7.634	113	217058	49.903	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.800%
50) Toluene-d8	10.103	98	864097	50.853	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	101.700%
62) 4-Bromofluorobenzene	12.401	95	274917	50.308	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	100.620%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	145094	39.160	ug/l	98
3) Chloromethane	2.068	50	276875	46.137	ug/l	97
4) Vinyl Chloride	2.202	62	354948	47.848	ug/l	100
5) Bromomethane	2.592	94	278901	50.342	ug/l	100
6) Chloroethane	2.732	64	250831	50.860	ug/l	100
7) Trichlorofluoromethane	3.049	101	405455	44.950	ug/l	99
8) Diethyl Ether	3.452	74	111202	46.597	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.812	101	200633	45.085	ug/l	99
10) Methyl Iodide	4.001	142	263764	54.928	ug/l	98
11) Tert butyl alcohol	4.860	59	62641	211.323	ug/l	100
12) 1,1-Dichloroethene	3.787	96	206109	47.120	ug/l	97
13) Acrolein	3.647	56	48005	110.581	ug/l	97
14) Allyl chloride	4.378	41	288345	44.800	ug/l	97
15) Acrylonitrile	5.049	53	228651	235.673	ug/l	98
16) Acetone	3.866	43	175331	187.073	ug/l	97
17) Carbon Disulfide	4.104	76	657020	46.066	ug/l	100
18) Methyl Acetate	4.385	43	140261	50.290	ug/l	97
19) Methyl tert-butyl Ether	5.116	73	538168	47.480	ug/l	99
20) Methylene Chloride	4.610	84	244646	50.247	ug/l	97
21) trans-1,2-Dichloroethene	5.116	96	246365	50.119	ug/l	99
22) Diisopropyl ether	6.018	45	670200	47.919	ug/l	99
23) Vinyl Acetate	5.957	43	1726827	223.289	ug/l	98
24) 1,1-Dichloroethane	5.915	63	423462	49.522	ug/l	99
25) 2-Butanone	6.896	43	268264	210.456	ug/l	97
26) 2,2-Dichloropropane	6.884	77	330025	44.729	ug/l	98
27) cis-1,2-Dichloroethene	6.890	96	286353	50.390	ug/l	97
28) Bromochloromethane	7.244	49	168646	49.712	ug/l	96
29) Tetrahydrofuran	7.256	42	176959	223.965	ug/l	96
30) Chloroform	7.421	83	447102	50.699	ug/l	98
31) Cyclohexane	7.701	56	338813	42.047	ug/l	99
32) 1,1,1-Trichloroethane	7.616	97	386894	49.443	ug/l	100
36) 1,1-Dichloropropene	7.835	75	308640	47.746	ug/l	99
37) Ethyl Acetate	6.982	43	120682	44.444	ug/l	99
38) Carbon Tetrachloride	7.817	117	341297	48.612	ug/l	99
39) Methylcyclohexane	9.109	83	387997	45.580	ug/l	95
40) Benzene	8.079	78	999546	50.170	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081925\
 Data File : VY023160.D
 Acq On : 19 Aug 2025 19:08
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 3.80g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Aug 20 01:34:40 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 13 02:10:11 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.219	41	65626	41.877	ug/l	87
42) 1,2-Dichloroethane	8.158	62	253049	48.835	ug/l	100
43) Isopropyl Acetate	8.195	43	245293	44.694	ug/l	97
44) Trichloroethene	8.865	130	266609	51.782	ug/l	100
45) 1,2-Dichloropropane	9.140	63	228425	49.829	ug/l	99
46) Dibromomethane	9.231	93	131481	49.971	ug/l	99
47) Bromodichloromethane	9.420	83	343279	50.703	ug/l	99
48) Methyl methacrylate	9.219	41	118237	45.021	ug/l	95
49) 1,4-Dioxane	9.225	88	29199	946.444	ug/l	90
51) 4-Methyl-2-Pentanone	9.993	43	656710	231.971	ug/l	98
52) Toluene	10.170	92	647611	51.179	ug/l	99
53) t-1,3-Dichloropropene	10.390	75	296104	48.297	ug/l	100
54) cis-1,3-Dichloropropene	9.853	75	353426	48.751	ug/l	97
55) 1,1,2-Trichloroethane	10.573	97	176672	50.180	ug/l	98
56) Ethyl methacrylate	10.438	69	217938	48.375	ug/l	98
57) 1,3-Dichloropropane	10.713	76	292293	48.952	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.707	63	551100	259.330	ug/l	98
59) 2-Hexanone	10.755	43	435049	225.681	ug/l	100
60) Dibromochloromethane	10.908	129	238623	51.365	ug/l	100
61) 1,2-Dibromoethane	11.011	107	164095	49.588	ug/l	99
64) Tetrachloroethene	10.646	164	323963	56.055	ug/l	98
65) Chlorobenzene	11.438	112	704107	50.434	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.511	131	243596	51.411	ug/l	100
67) Ethyl Benzene	11.517	91	1222605	50.888	ug/l	98
68) m/p-Xylenes	11.627	106	966978	103.051	ug/l	98
69) o-Xylene	11.950	106	455236	51.799	ug/l	99
70) Styrene	11.969	104	763639	53.132	ug/l	98
71) Bromoform	12.127	173	135638	48.980	ug/l #	99
73) Isopropylbenzene	12.249	105	1161331	49.330	ug/l	99
74) N-amyl acetate	12.066	43	217737	43.613	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.505	83	172951	43.025	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	248637	77.236	ug/l #	100
77) Bromobenzene	12.529	156	273466	48.690	ug/l	98
78) n-propylbenzene	12.590	91	1387452	49.502	ug/l	99
79) 2-Chlorotoluene	12.676	91	784149	48.829	ug/l	99
80) 1,3,5-Trimethylbenzene	12.731	105	954748	50.180	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	57362	43.134	ug/l	99
82) 4-Chlorotoluene	12.773	91	816232	48.995	ug/l	99
83) tert-Butylbenzene	12.993	119	857857	49.921	ug/l	100
84) 1,2,4-Trimethylbenzene	13.042	105	956661	50.510	ug/l	99
85) sec-Butylbenzene	13.170	105	1249164	49.485	ug/l	100
86) p-Isopropyltoluene	13.285	119	1065308	50.842	ug/l	100
87) 1,3-Dichlorobenzene	13.285	146	549837	49.644	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	534086	48.611	ug/l	99
89) n-Butylbenzene	13.615	91	957330	49.746	ug/l	99
90) Hexachloroethane	13.877	117	214503	50.008	ug/l	98
91) 1,2-Dichlorobenzene	13.657	146	477680	49.177	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	28063	44.839	ug/l	99
93) 1,2,4-Trichlorobenzene	14.913	180	261664	45.553	ug/l	98
94) Hexachlorobutadiene	15.017	225	153359	45.434	ug/l	98
95) Naphthalene	15.139	128	452211	46.168	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	224276	45.311	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081925\
Data File : VY023160.D
Acq On : 19 Aug 2025 19:08
Operator : SY/MD
Sample : VSTDCCC050EC
Misc : 3.80g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Quant Time: Aug 20 01:34:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

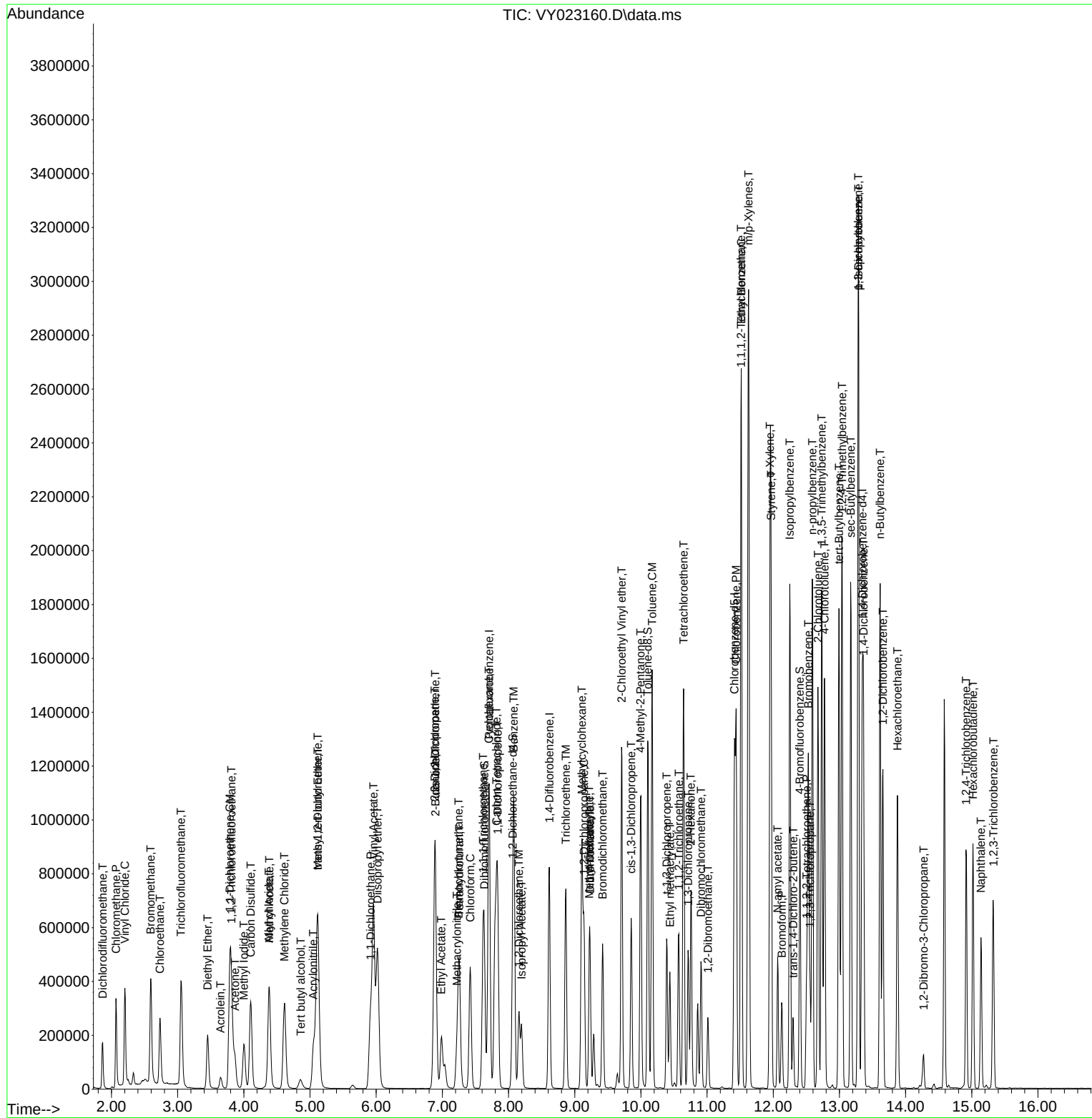
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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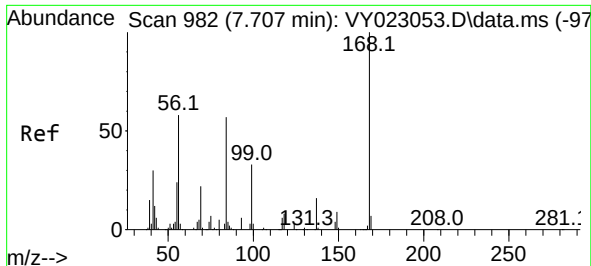
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081925\
Data File : VY023160.D
Acq On : 19 Aug 2025 19:08
Operator : SY/MD
Sample : VSTDCCC050EC
Misc : 3.80g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Quant Time: Aug 20 01:34:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

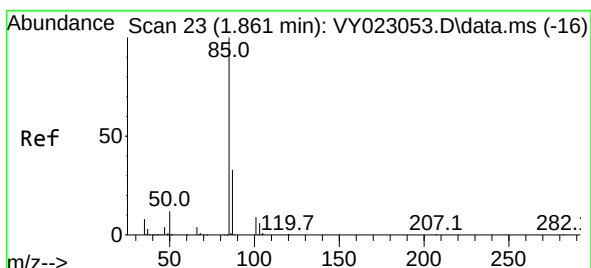
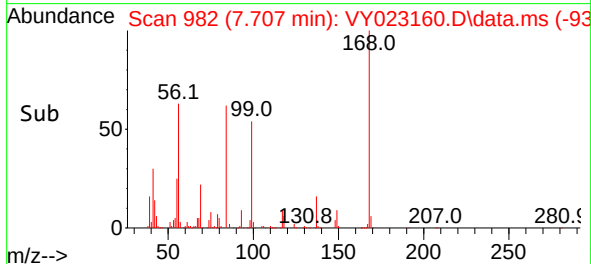
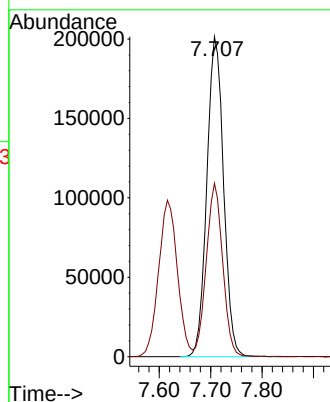
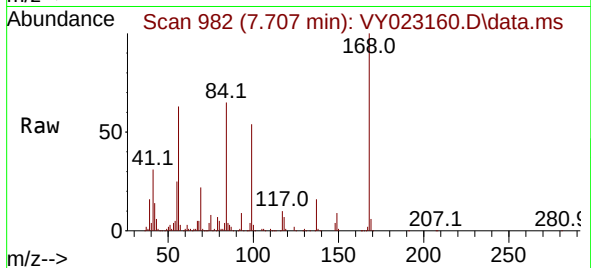




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

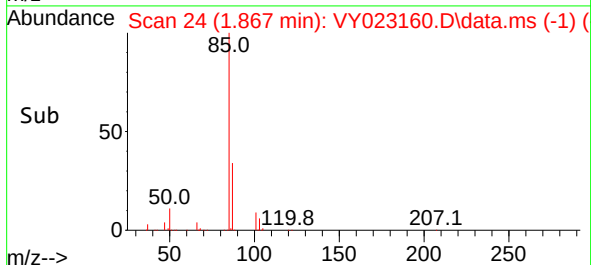
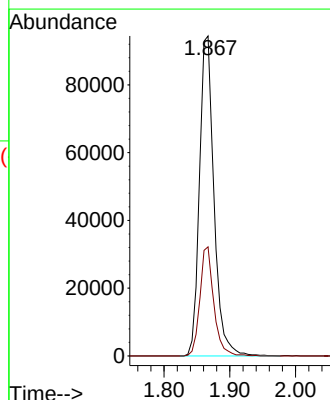
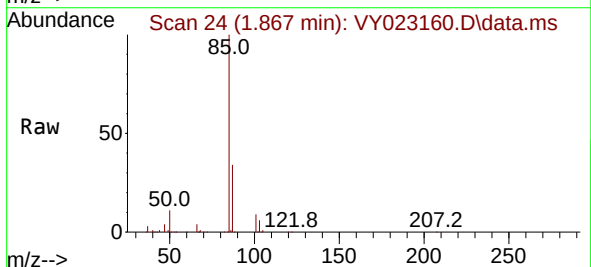
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

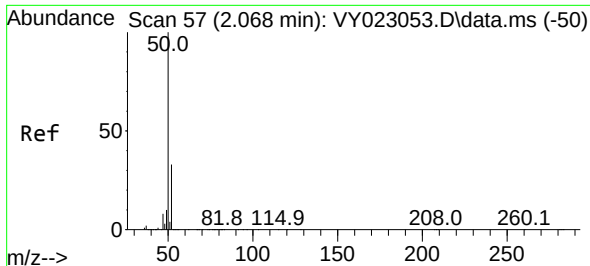
Tgt Ion:168 Resp: 453917
Ion Ratio Lower Upper
168 100
99 54.1 42.8 64.2



#2
Dichlorodifluoromethane
Concen: 39.160 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion: 85 Resp: 145094
Ion Ratio Lower Upper
85 100
87 34.1 16.6 49.8

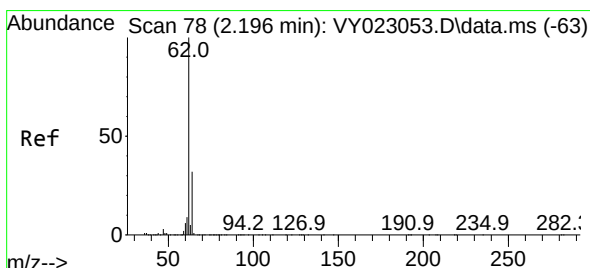
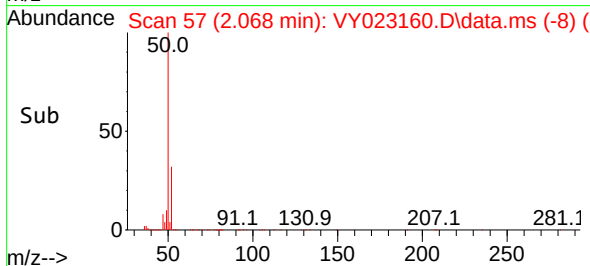
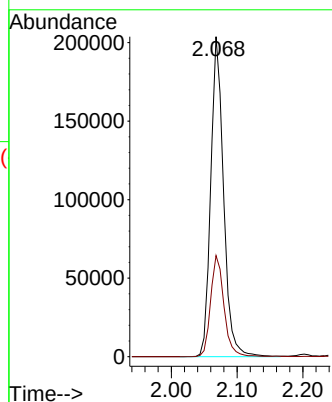
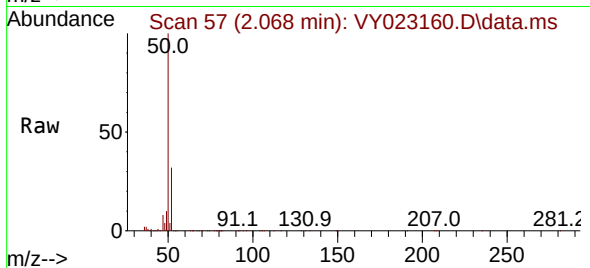




#3
Chloromethane
Concen: 46.137 ug/l
RT: 2.068 min Scan# 51
Delta R.T. 0.000 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

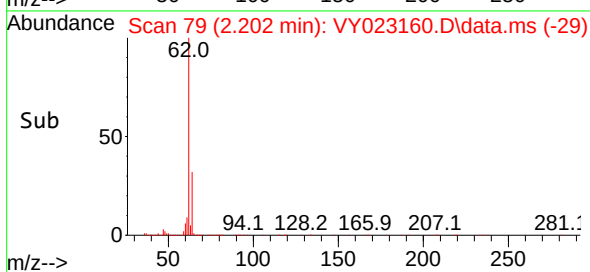
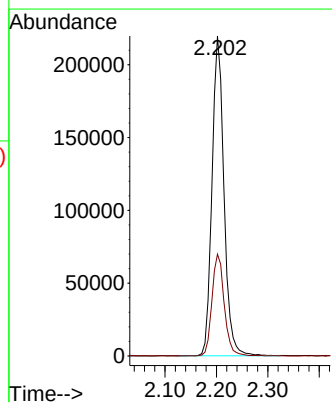
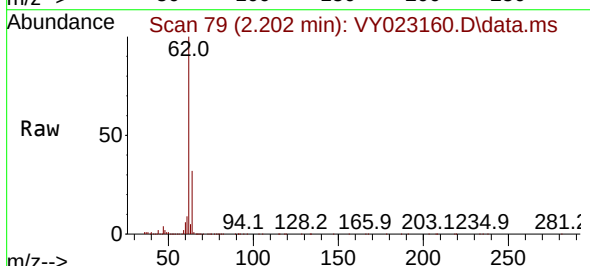
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

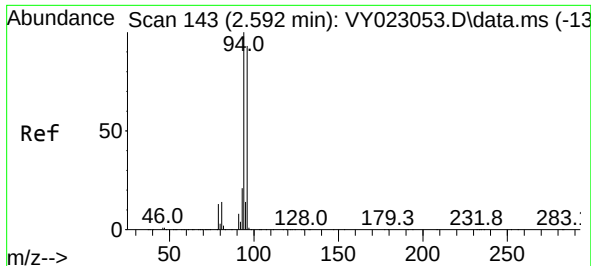
Tgt Ion: 50 Resp: 276875
Ion Ratio Lower Upper
50 100
52 31.6 26.7 40.1



#4
Vinyl Chloride
Concen: 47.848 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion: 62 Resp: 354948
Ion Ratio Lower Upper
62 100
64 31.8 25.4 38.0

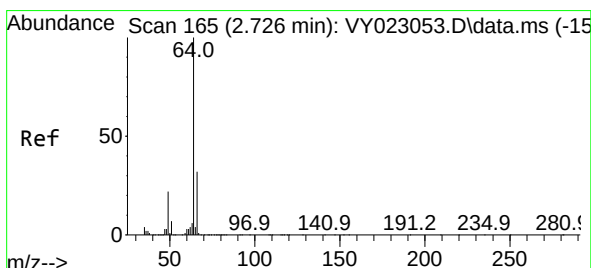
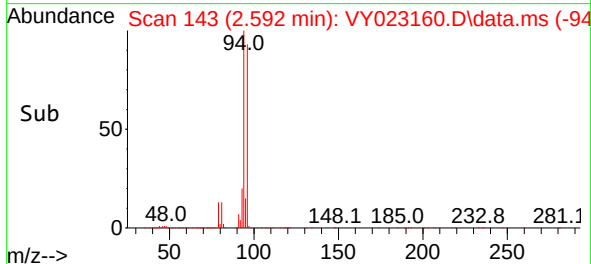
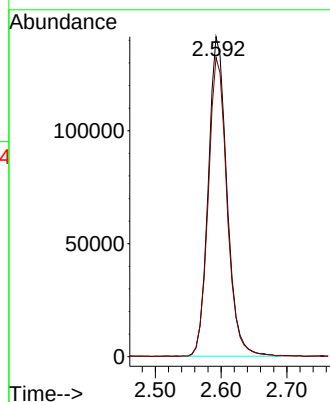
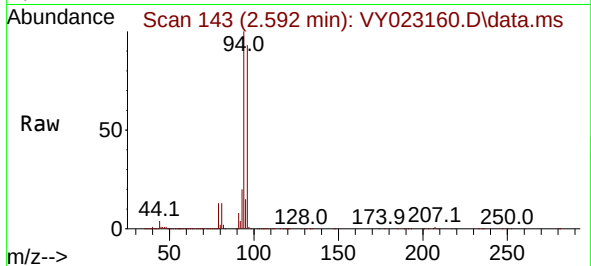




#5
Bromomethane
Concen: 50.342 ug/l
RT: 2.592 min Scan# 143
Delta R.T. 0.000 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

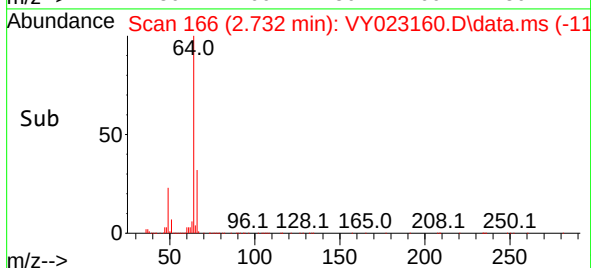
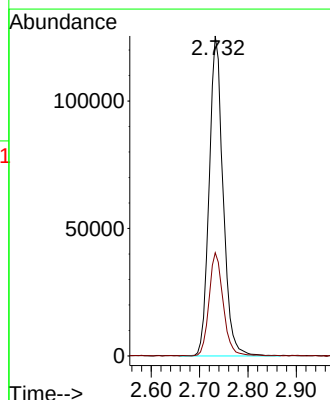
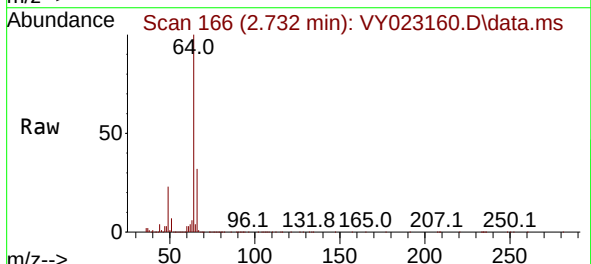
Instrument :
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ClientSampleId :
VSTDCCC050EC

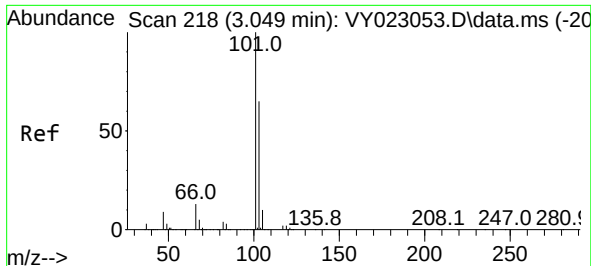
Tgt Ion: 94 Resp: 278901
Ion Ratio Lower Upper
94 100
96 93.5 74.6 112.0



#6
Chloroethane
Concen: 50.860 ug/l
RT: 2.732 min Scan# 166
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion: 64 Resp: 250831
Ion Ratio Lower Upper
64 100
66 32.1 25.8 38.6

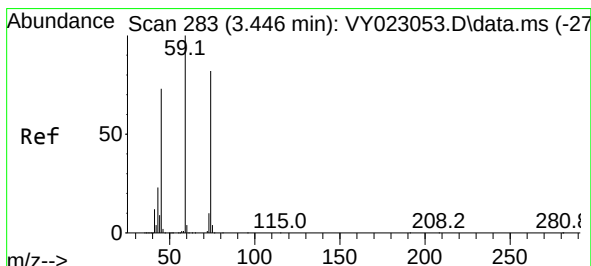
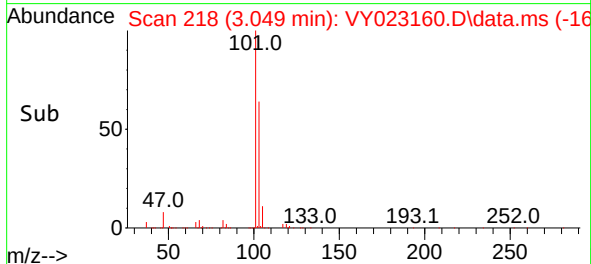
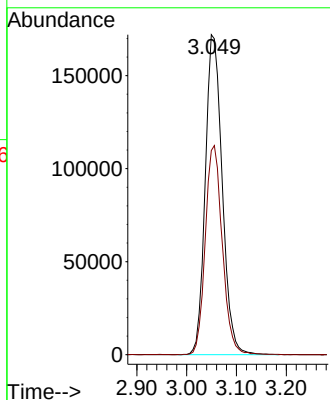
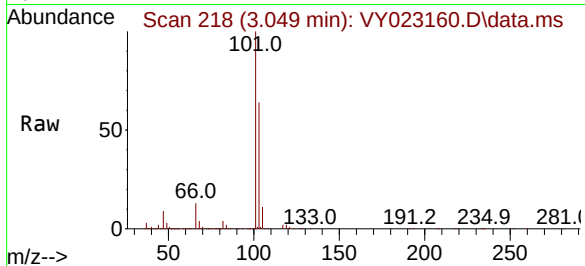




#7
 Trichlorofluoromethane
 Concen: 44.950 ug/l
 RT: 3.049 min Scan# 218
 Delta R.T. 0.000 min
 Lab File: VY023160.D
 Acq: 19 Aug 2025 19:08

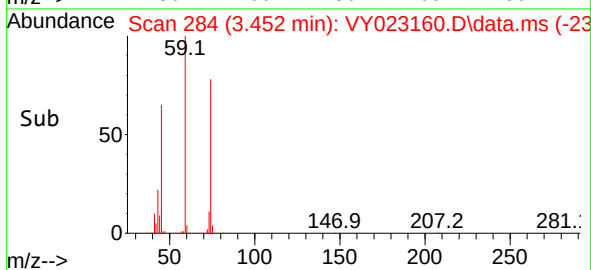
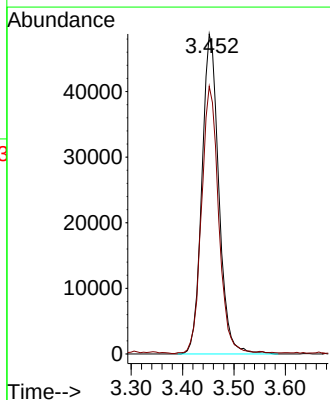
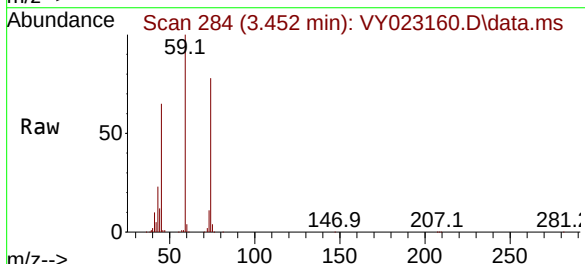
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

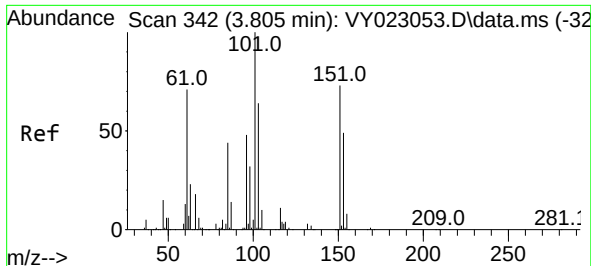
Tgt Ion:101 Resp: 405455
 Ion Ratio Lower Upper
 101 100
 103 63.8 51.9 77.9



#8
 Diethyl Ether
 Concen: 46.597 ug/l
 RT: 3.452 min Scan# 284
 Delta R.T. 0.006 min
 Lab File: VY023160.D
 Acq: 19 Aug 2025 19:08

Tgt Ion: 74 Resp: 111202
 Ion Ratio Lower Upper
 74 100
 45 84.5 44.4 133.2

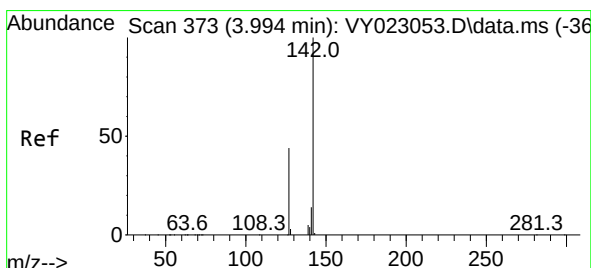
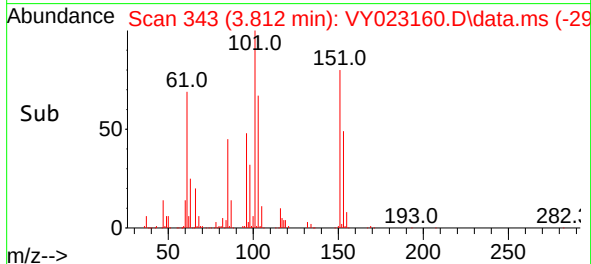
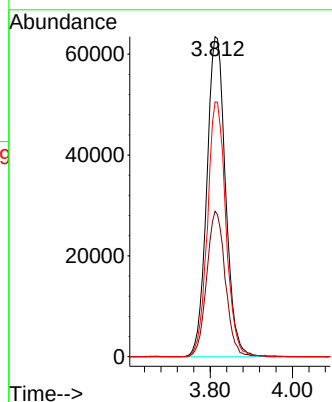
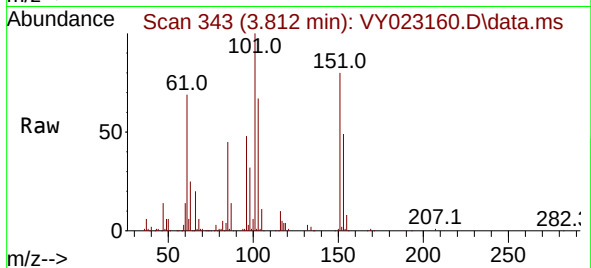




#9
1,1,2-Trichlorotrifluoroethane
Concen: 45.085 ug/l
RT: 3.812 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

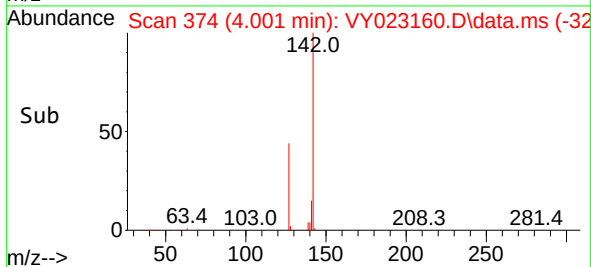
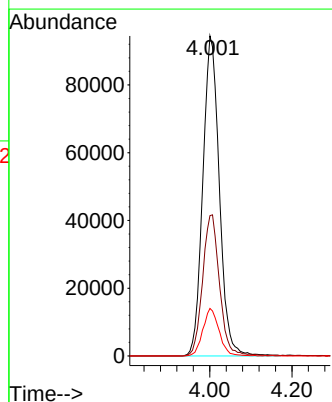
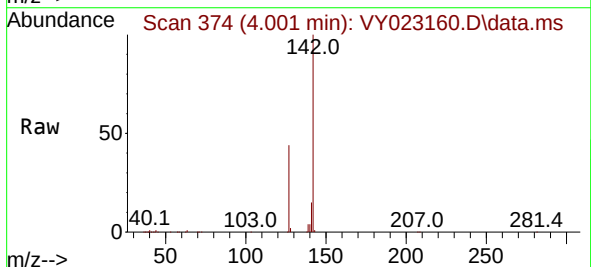
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

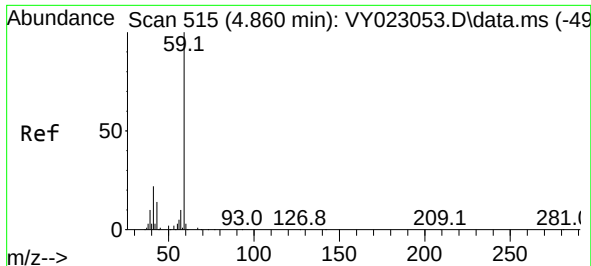
Tgt Ion:101 Resp: 200633
Ion Ratio Lower Upper
101 100
85 45.2 36.3 54.5
151 78.1 61.5 92.3



#10
Methyl Iodide
Concen: 54.928 ug/l
RT: 4.001 min Scan# 374
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion:142 Resp: 263764
Ion Ratio Lower Upper
142 100
127 45.1 34.9 52.3
141 14.6 11.3 16.9

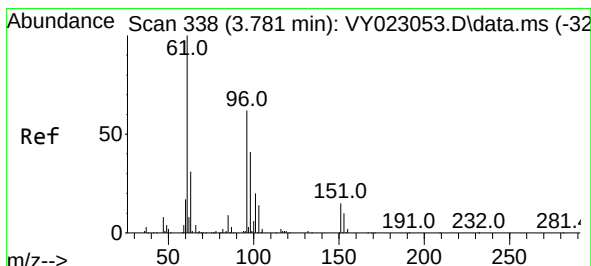
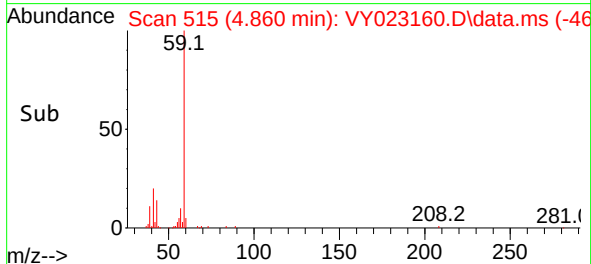
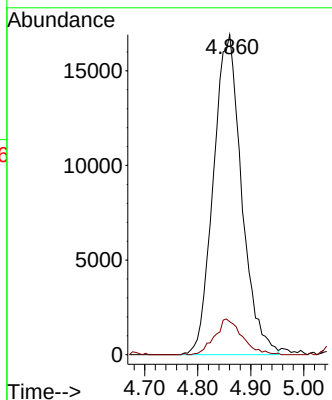
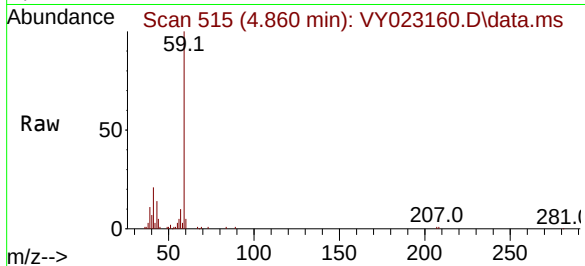




#11
Tert butyl alcohol
Concen: 211.323 ug/l
RT: 4.860 min Scan# 515
Delta R.T. 0.000 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

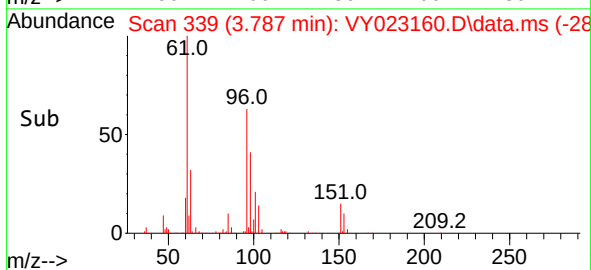
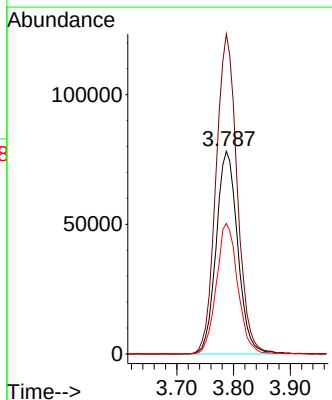
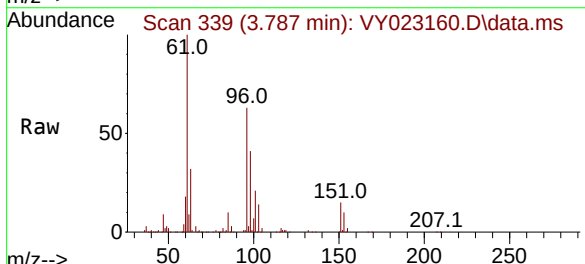
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

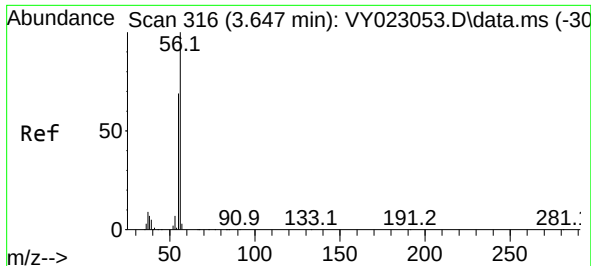
Tgt Ion: 59 Resp: 62641
Ion Ratio Lower Upper
59 100
57 10.8 8.6 13.0



#12
1,1-Dichloroethene
Concen: 47.120 ug/l
RT: 3.787 min Scan# 339
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion: 96 Resp: 206109
Ion Ratio Lower Upper
96 100
61 157.9 129.4 194.2
98 64.4 52.8 79.2

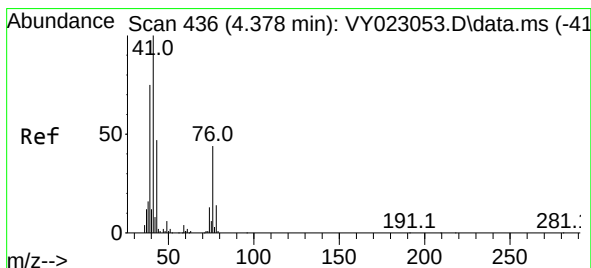
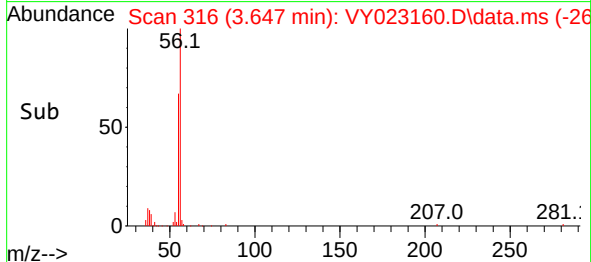
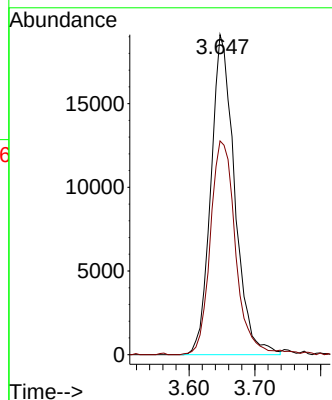
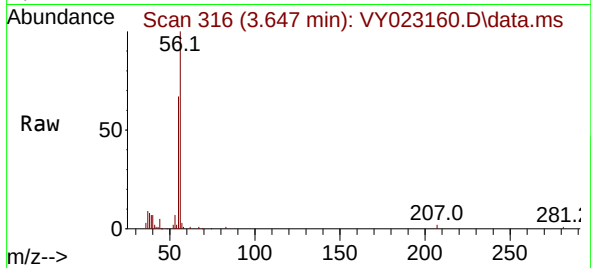




#13
Acrolein
Concen: 110.581 ug/l
RT: 3.647 min Scan# 316
Delta R.T. 0.000 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

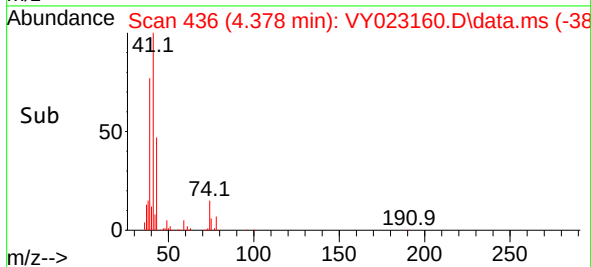
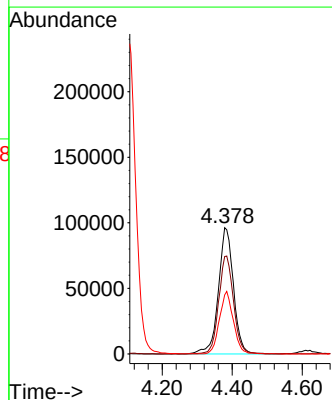
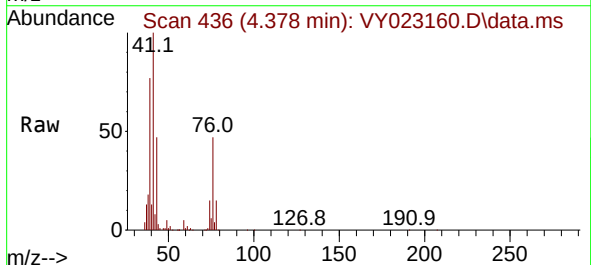
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

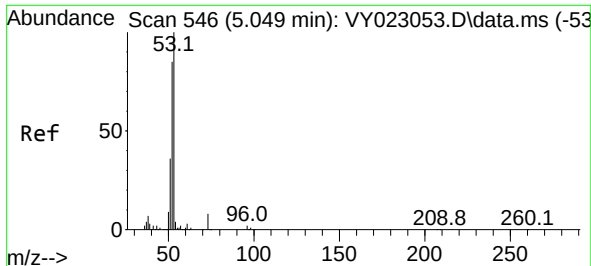
Tgt Ion: 56 Resp: 48005
Ion Ratio Lower Upper
56 100
55 71.1 55.2 82.8



#14
Allyl chloride
Concen: 44.800 ug/l
RT: 4.378 min Scan# 436
Delta R.T. 0.000 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion: 41 Resp: 288345
Ion Ratio Lower Upper
41 100
39 76.3 59.8 89.6
76 45.6 33.7 50.5

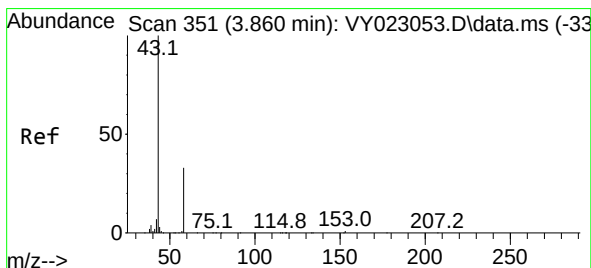
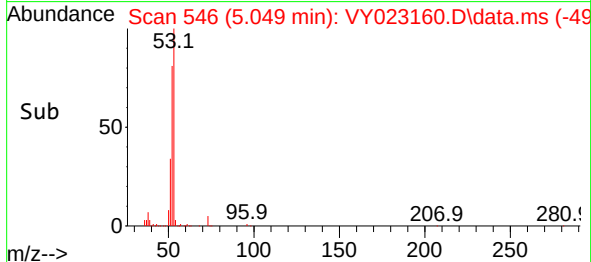
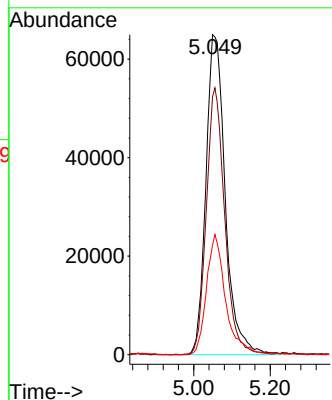
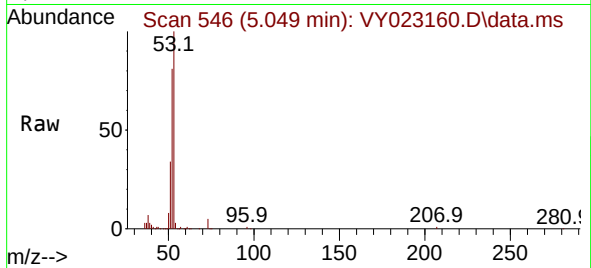




#15
Acrylonitrile
Concen: 235.673 ug/l
RT: 5.049 min Scan# 546
Delta R.T. 0.000 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

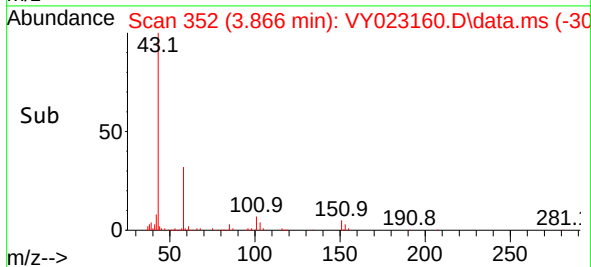
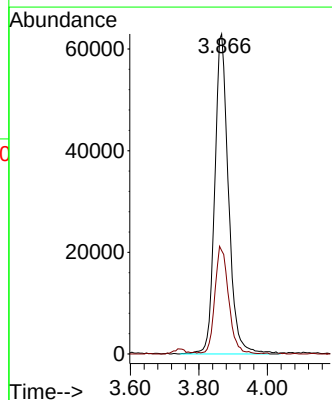
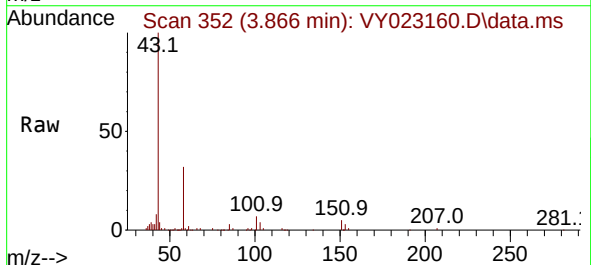
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

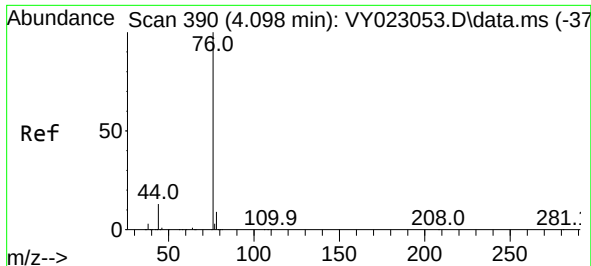
Tgt Ion: 53 Resp: 228651
Ion Ratio Lower Upper
53 100
52 79.4 65.3 97.9
51 37.0 29.5 44.3



#16
Acetone
Concen: 187.073 ug/l
RT: 3.866 min Scan# 352
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion: 43 Resp: 175331
Ion Ratio Lower Upper
43 100
58 32.1 27.1 40.7

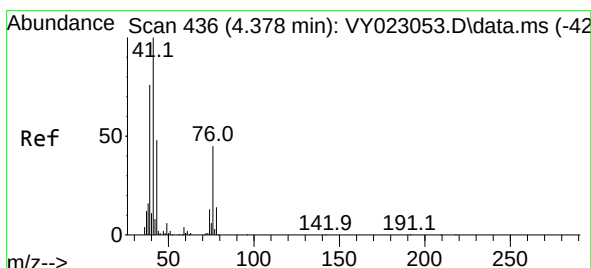
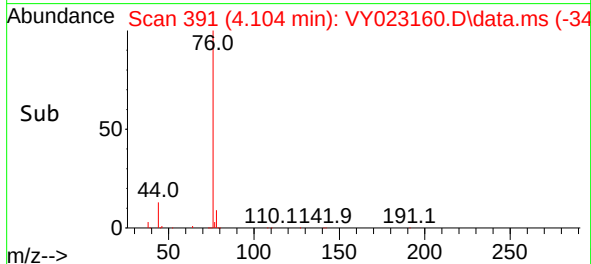
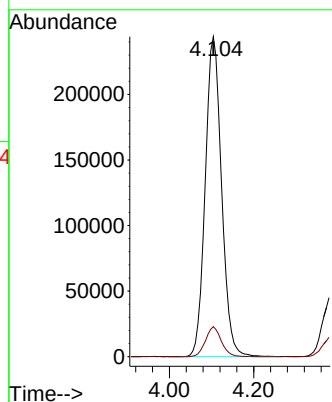
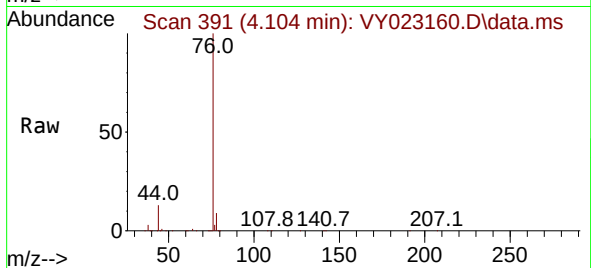




#17
Carbon Disulfide
Concen: 46.066 ug/l
RT: 4.104 min Scan# 391
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

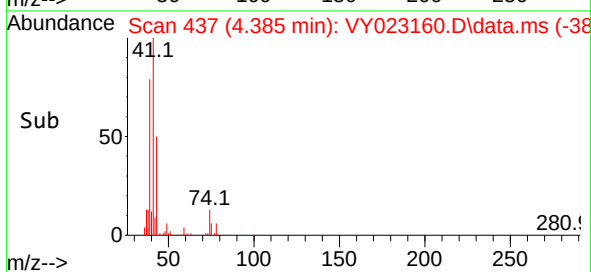
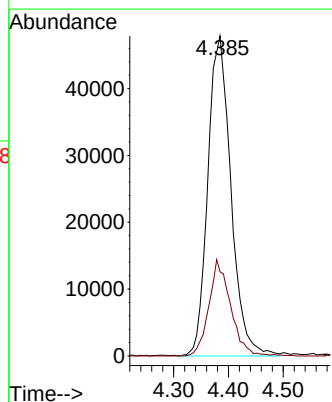
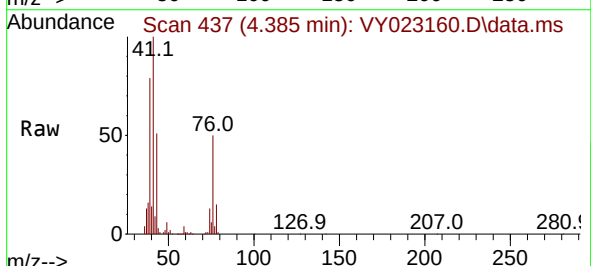
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

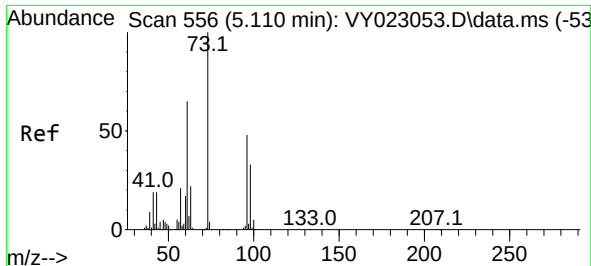
Tgt Ion: 76 Resp: 657020
Ion Ratio Lower Upper
76 100
78 9.4 7.4 11.2



#18
Methyl Acetate
Concen: 50.290 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion: 43 Resp: 140261
Ion Ratio Lower Upper
43 100
74 28.1 21.2 31.8

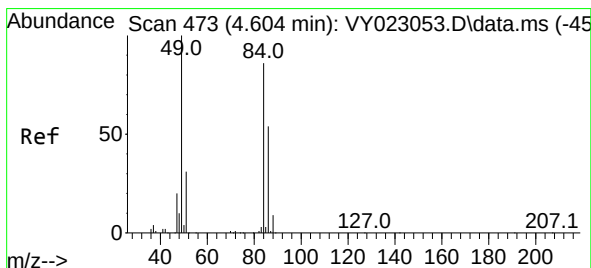
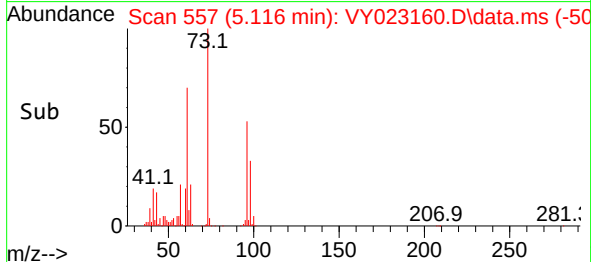
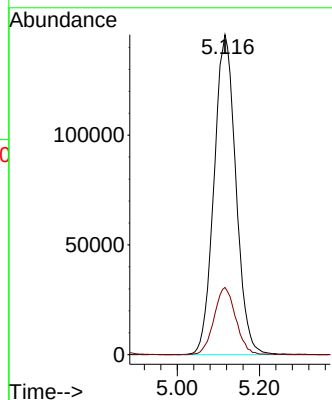
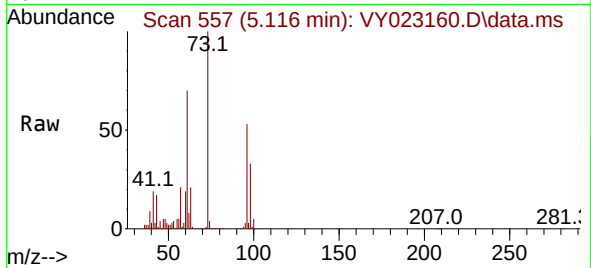




#19
Methyl tert-butyl Ether
Concen: 47.480 ug/l
RT: 5.116 min Scan# 51
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

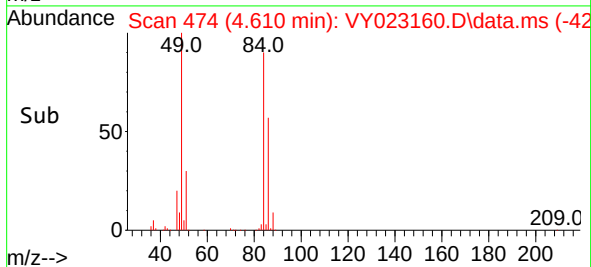
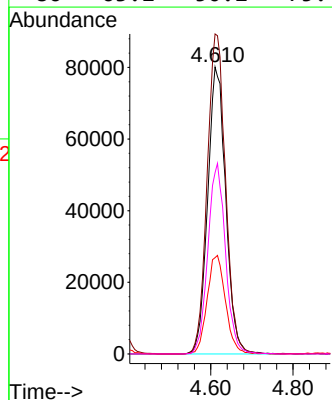
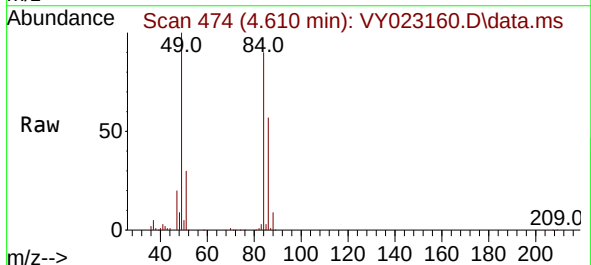
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

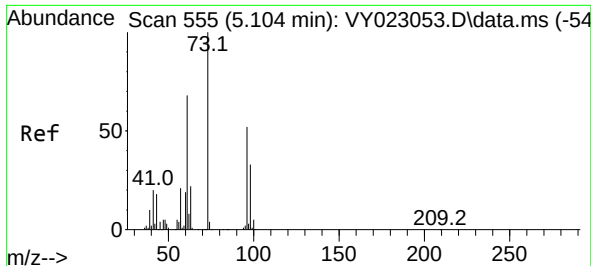
Tgt Ion: 73 Resp: 538168
Ion Ratio Lower Upper
73 100
57 21.0 17.1 25.7



#20
Methylene Chloride
Concen: 50.247 ug/l
RT: 4.610 min Scan# 474
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion: 84 Resp: 244646
Ion Ratio Lower Upper
84 100
49 111.5 93.0 139.6
51 33.6 29.0 43.4
86 63.2 50.2 75.4

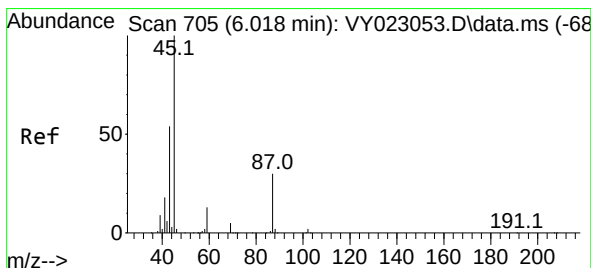
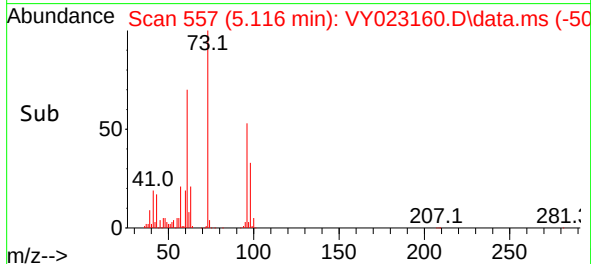
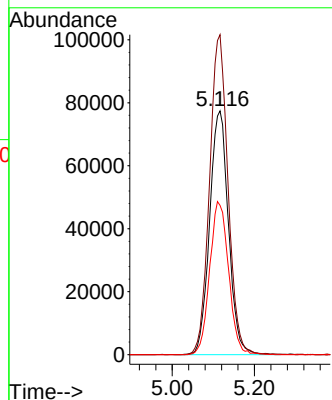
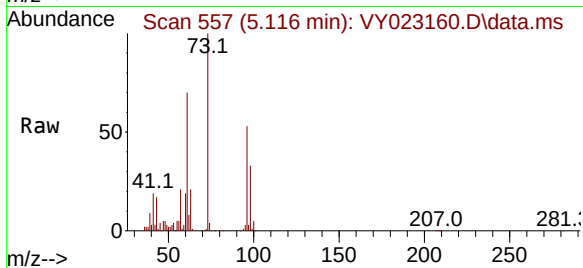




#21
trans-1,2-Dichloroethene
Concen: 50.119 ug/l
RT: 5.116 min Scan# 511
Delta R.T. 0.012 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

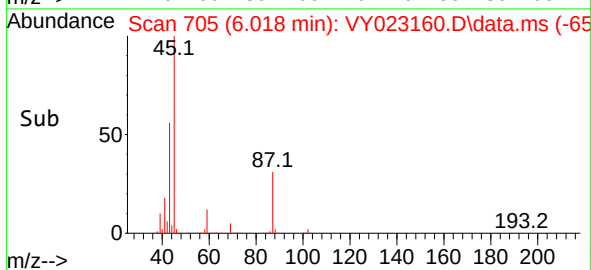
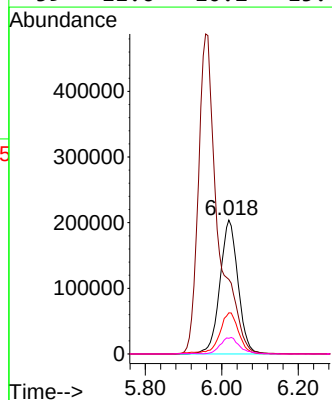
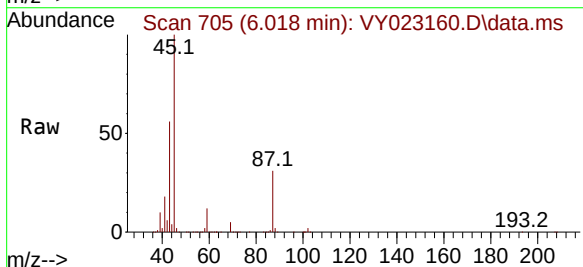
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

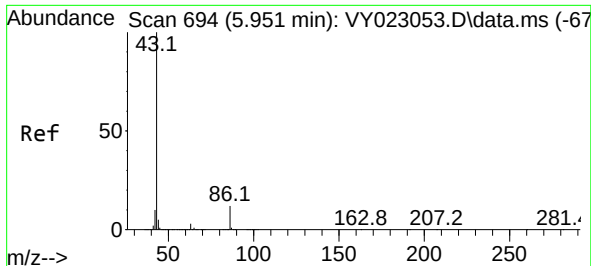
Tgt Ion: 96 Resp: 246365
Ion Ratio Lower Upper
96 100
61 131.2 104.8 157.2
98 61.2 50.1 75.1



#22
Diisopropyl ether
Concen: 47.919 ug/l
RT: 6.018 min Scan# 705
Delta R.T. 0.000 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion: 45 Resp: 670200
Ion Ratio Lower Upper
45 100
43 55.5 43.4 65.0
87 30.7 24.4 36.6
59 11.6 10.2 15.4

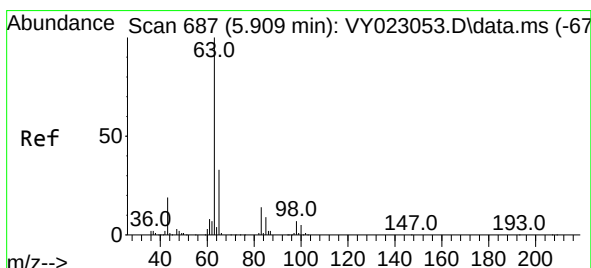
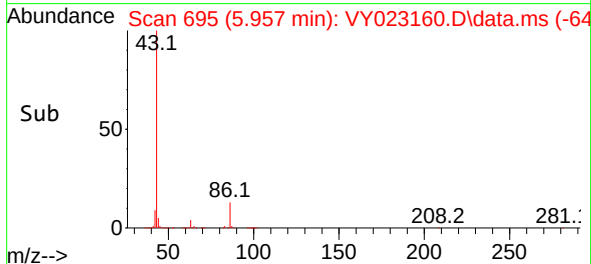
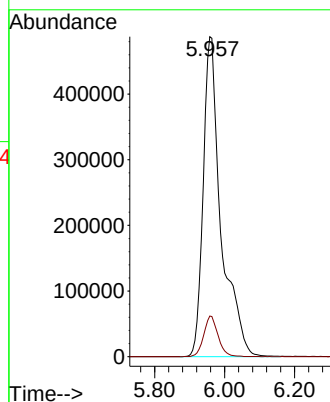
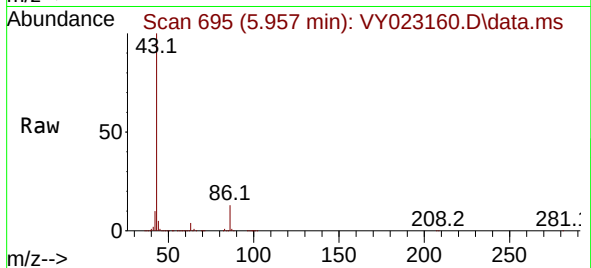




#23
 Vinyl Acetate
 Concen: 223.289 ug/l
 RT: 5.957 min Scan# 694
 Delta R.T. 0.006 min
 Lab File: VY023160.D
 Acq: 19 Aug 2025 19:08

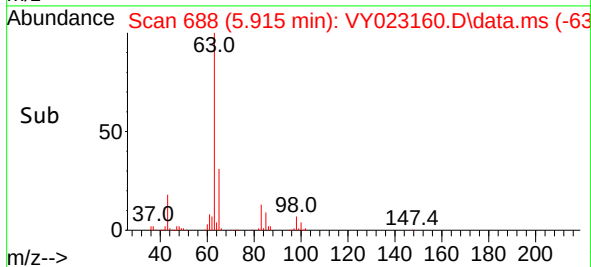
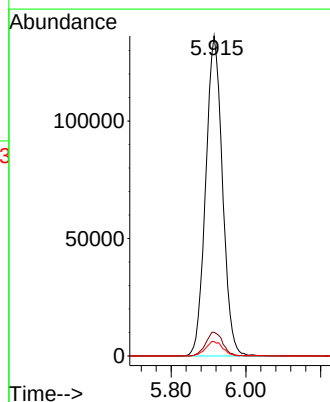
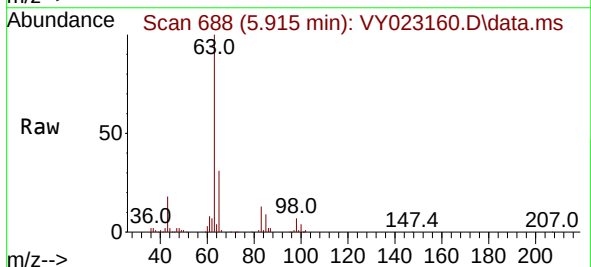
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

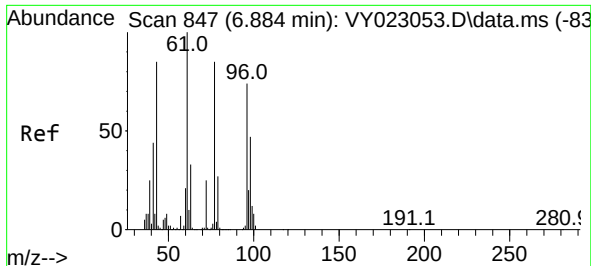
Tgt Ion: 43 Resp: 1726827
 Ion Ratio Lower Upper
 43 100
 86 12.7 9.6 14.4



#24
 1,1-Dichloroethane
 Concen: 49.522 ug/l
 RT: 5.915 min Scan# 688
 Delta R.T. 0.006 min
 Lab File: VY023160.D
 Acq: 19 Aug 2025 19:08

Tgt Ion: 63 Resp: 423462
 Ion Ratio Lower Upper
 63 100
 98 7.4 3.5 10.6
 100 4.5 2.4 7.1





#25

2-Butanone

Concen: 210.456 ug/l

RT: 6.896 min Scan# 847

Delta R.T. 0.012 min

Lab File: VY023160.D

Acq: 19 Aug 2025 19:08

Instrument :

MSVOA_Y

ClientSampleId :

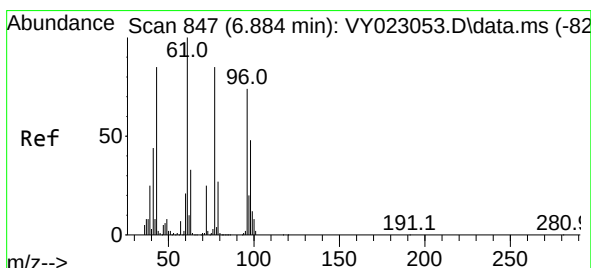
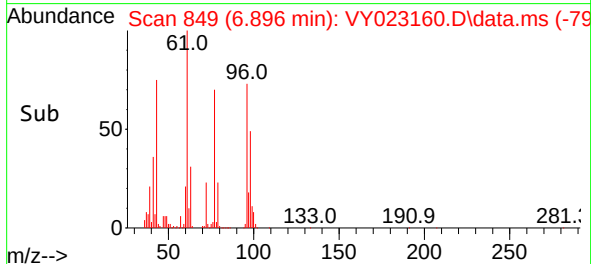
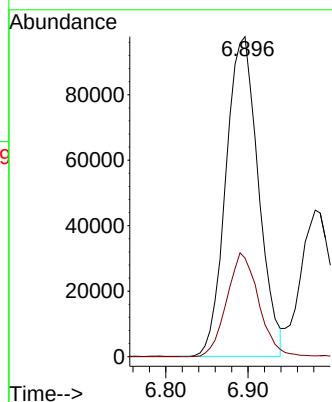
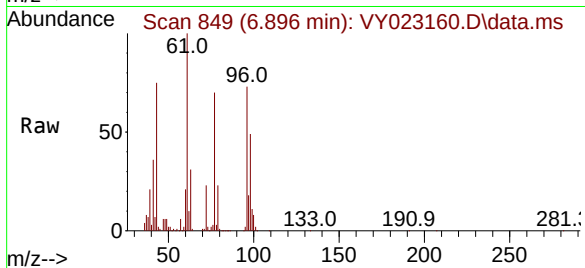
VSTDCCC050EC

Tgt Ion: 43 Resp: 268264

Ion Ratio Lower Upper

43 100

72 30.8 23.5 35.3



#26

2,2-Dichloropropane

Concen: 44.729 ug/l

RT: 6.884 min Scan# 847

Delta R.T. 0.000 min

Lab File: VY023160.D

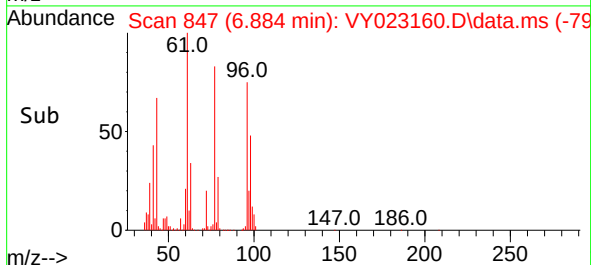
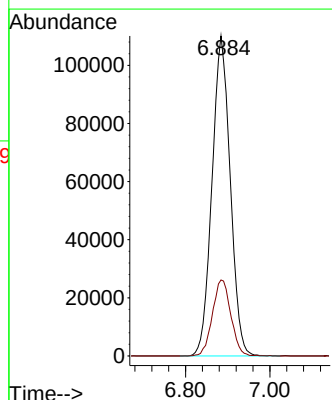
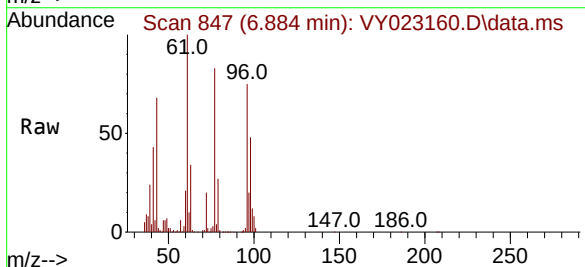
Acq: 19 Aug 2025 19:08

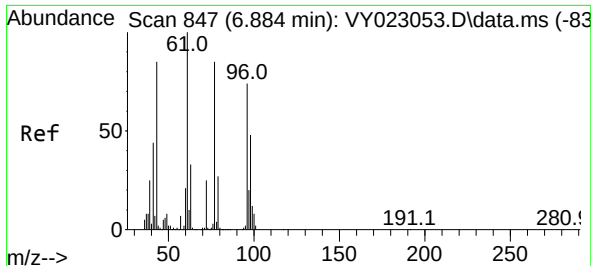
Tgt Ion: 77 Resp: 330025

Ion Ratio Lower Upper

77 100

97 24.0 11.6 34.8

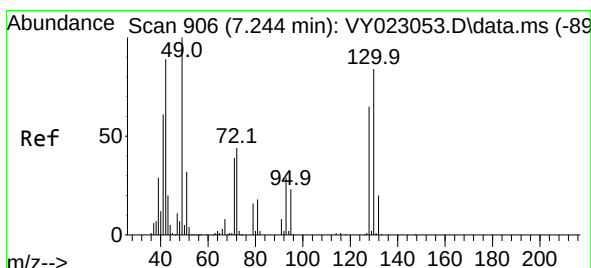
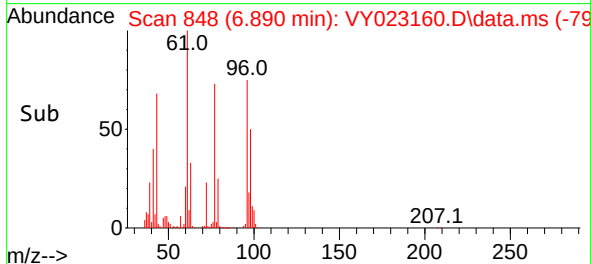
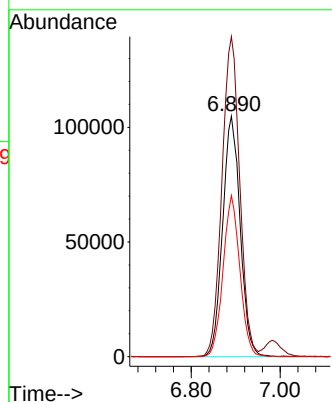
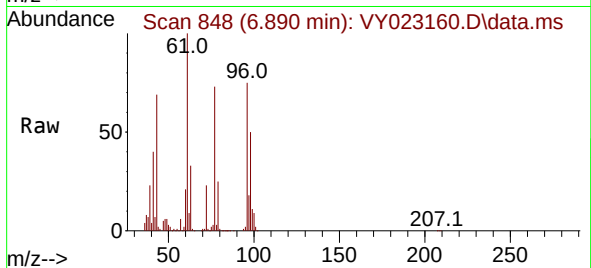




#27
 cis-1,2-Dichloroethene
 Concen: 50.390 ug/l
 RT: 6.890 min Scan# 847
 Delta R.T. 0.006 min
 Lab File: VY023160.D
 Acq: 19 Aug 2025 19:08

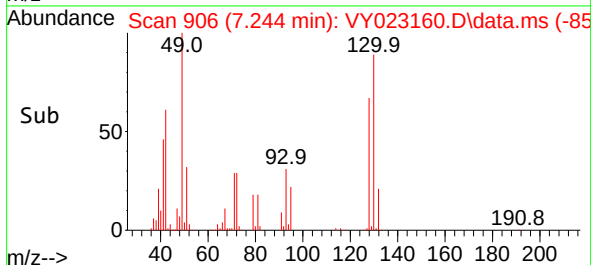
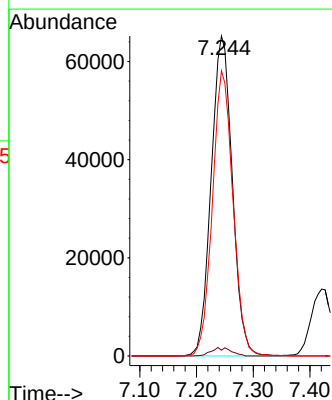
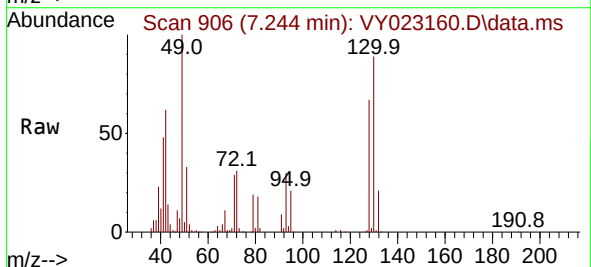
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

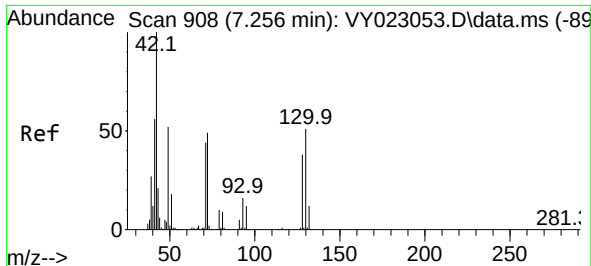
Tgt Ion: 96 Resp: 286353
 Ion Ratio Lower Upper
 96 100
 61 135.0 0.0 278.6
 98 64.2 0.0 130.4



#28
 Bromochloromethane
 Concen: 49.712 ug/l
 RT: 7.244 min Scan# 906
 Delta R.T. 0.000 min
 Lab File: VY023160.D
 Acq: 19 Aug 2025 19:08

Tgt Ion: 49 Resp: 168646
 Ion Ratio Lower Upper
 49 100
 129 2.5 0.0 4.2
 130 87.0 66.4 99.6





#29

Tetrahydrofuran

Concen: 223.965 ug/l

RT: 7.256 min Scan# 908

Delta R.T. 0.000 min

Lab File: VY023160.D

Acq: 19 Aug 2025 19:08

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

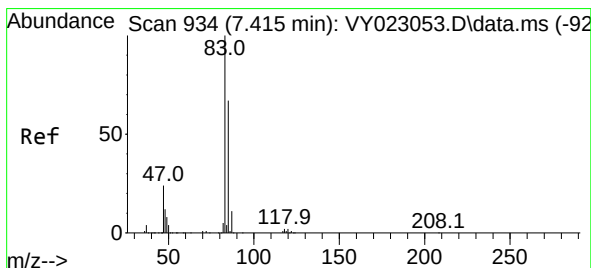
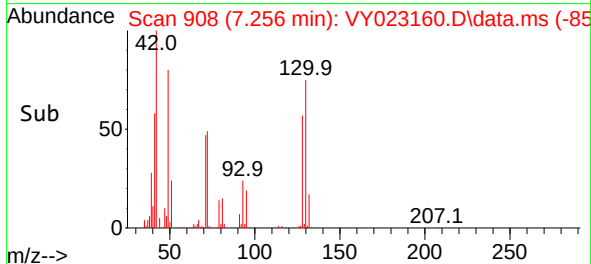
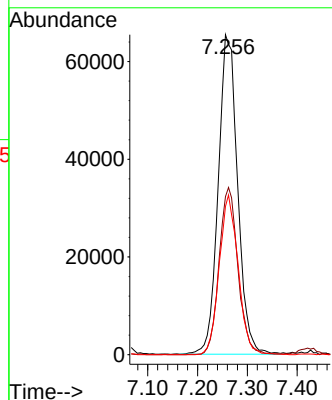
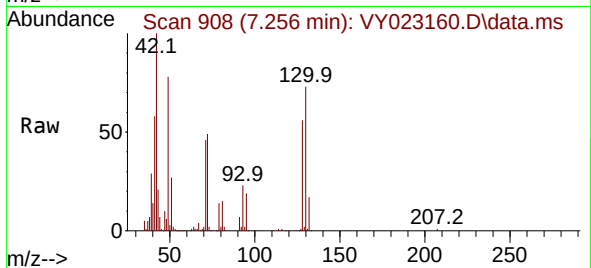
Tgt Ion: 42 Resp: 176959

Ion Ratio Lower Upper

42 100

72 51.0 39.4 59.2

71 48.7 36.5 54.7



#30

Chloroform

Concen: 50.699 ug/l

RT: 7.421 min Scan# 935

Delta R.T. 0.006 min

Lab File: VY023160.D

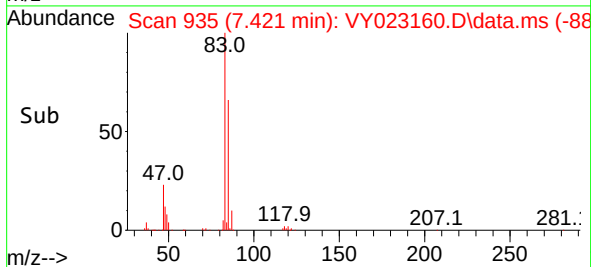
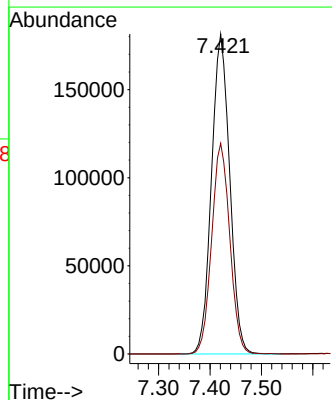
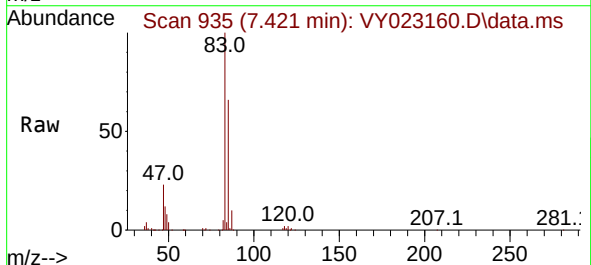
Acq: 19 Aug 2025 19:08

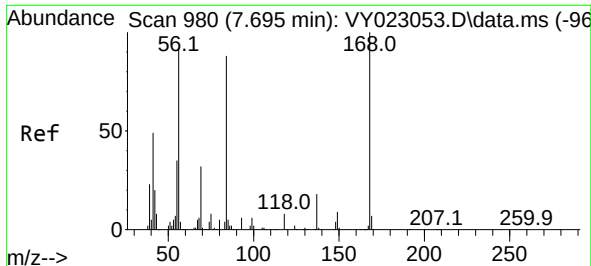
Tgt Ion: 83 Resp: 447102

Ion Ratio Lower Upper

83 100

85 65.8 53.8 80.8

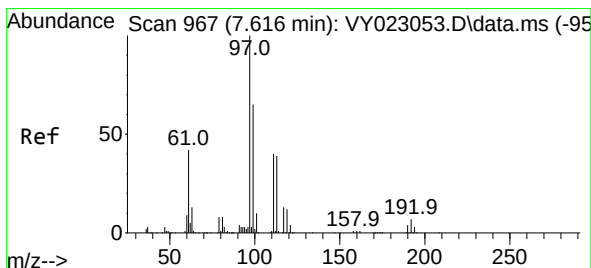
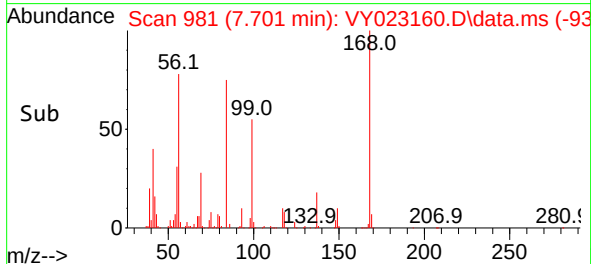
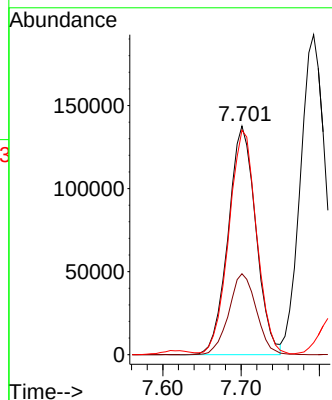
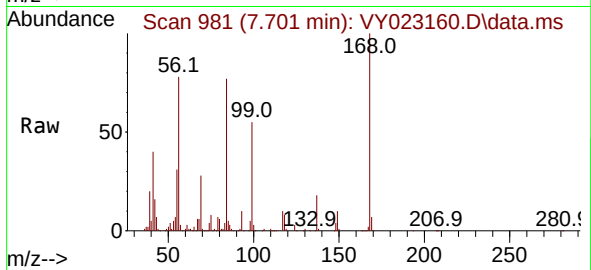




#31
Cyclohexane
Concen: 42.047 ug/l
RT: 7.701 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

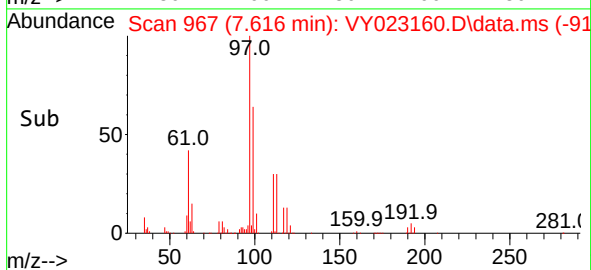
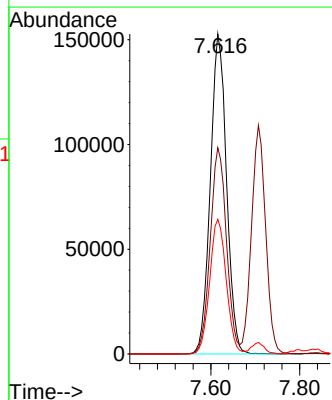
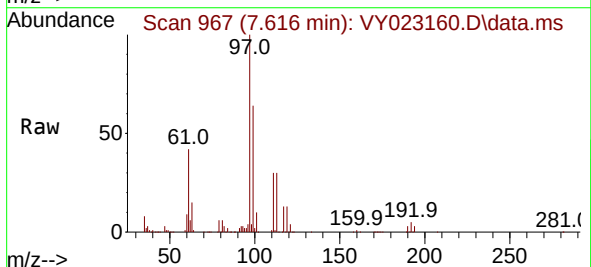
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

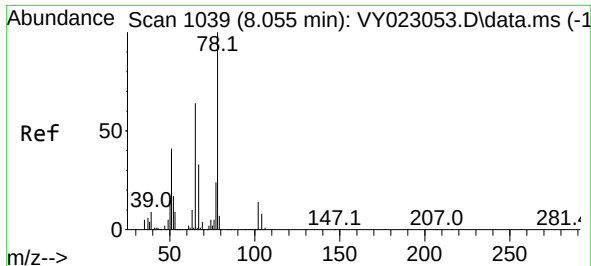
Tgt Ion: 56 Resp: 338813
Ion Ratio Lower Upper
56 100
69 35.4 28.2 42.2
84 96.4 76.6 114.8



#32
1,1,1-Trichloroethane
Concen: 49.443 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion: 97 Resp: 386894
Ion Ratio Lower Upper
97 100
99 64.8 51.6 77.4
61 42.9 34.2 51.2





#33

1,2-Dichloroethane-d4

Concen: 49.322 ug/l

RT: 8.061 min Scan# 1103

Delta R.T. 0.006 min

Lab File: VY023160.D

Acq: 19 Aug 2025 19:08

Instrument :

MSVOA_Y

ClientSampleId :

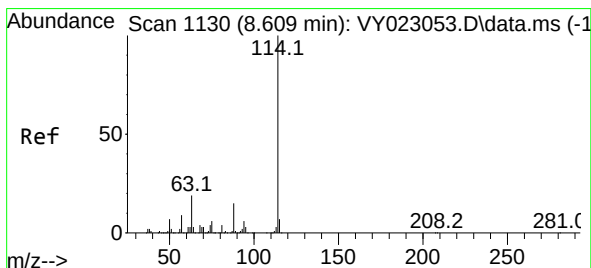
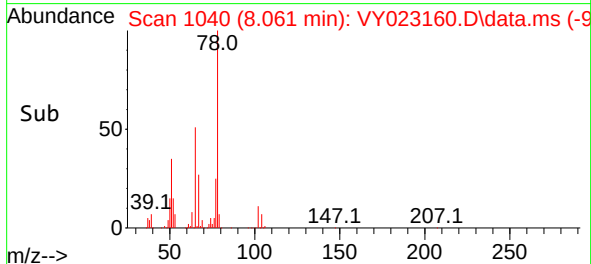
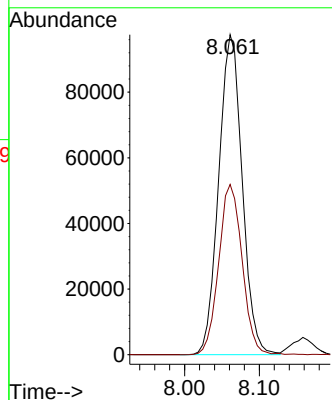
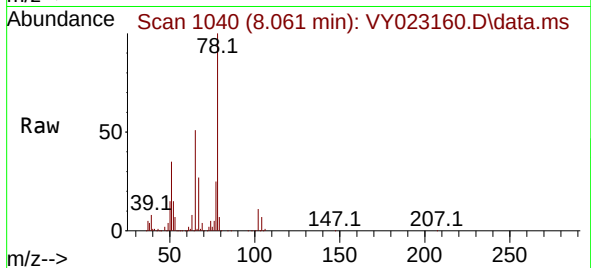
VSTDCCC050EC

Tgt Ion: 65 Resp: 213375

Ion Ratio Lower Upper

65 100

67 53.0 0.0 106.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.006 min

Lab File: VY023160.D

Acq: 19 Aug 2025 19:08

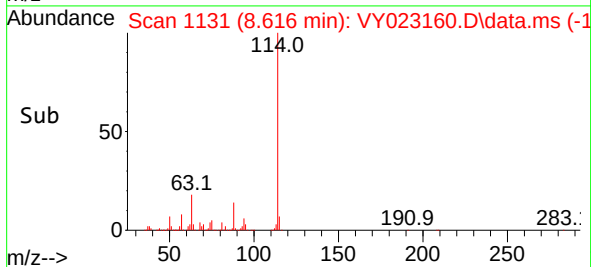
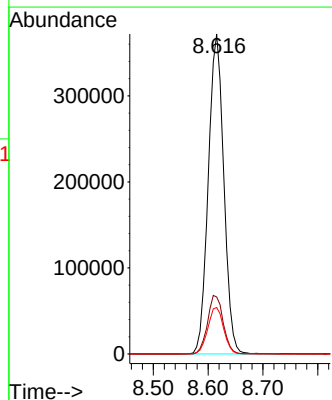
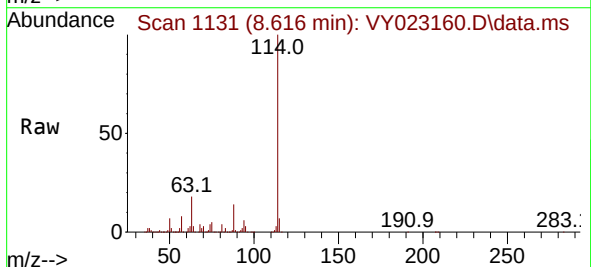
Tgt Ion: 114 Resp: 726912

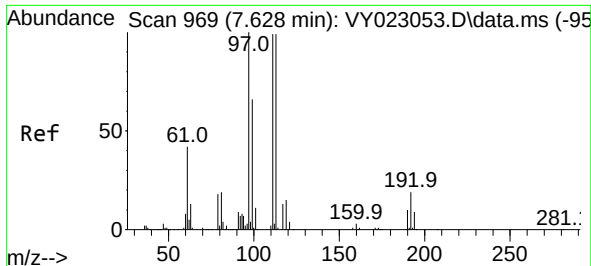
Ion Ratio Lower Upper

114 100

63 17.8 0.0 38.4

88 14.5 0.0 30.0

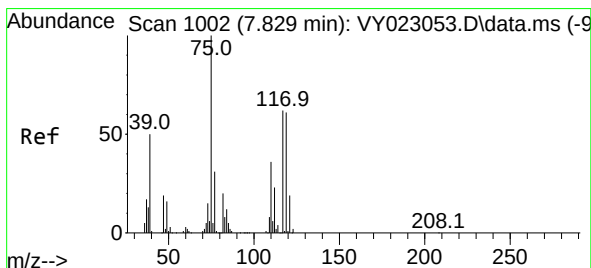
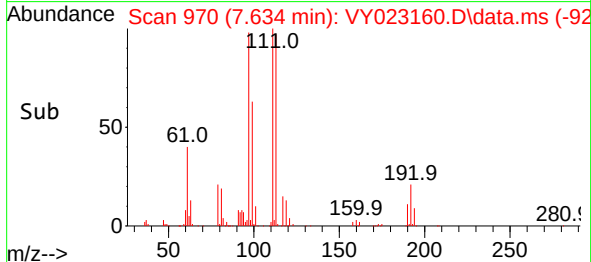
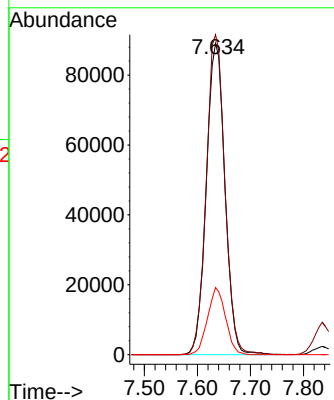
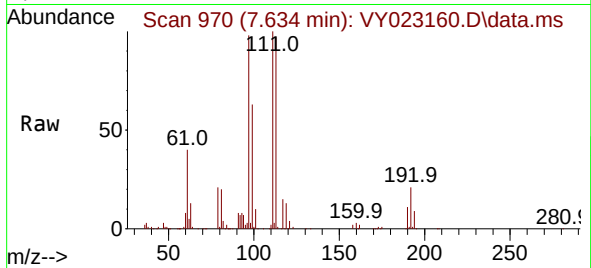




#35
Dibromofluoromethane
Concen: 49.903 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

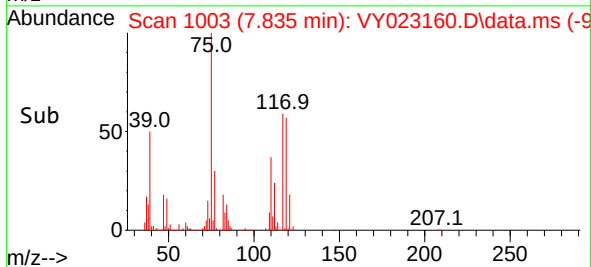
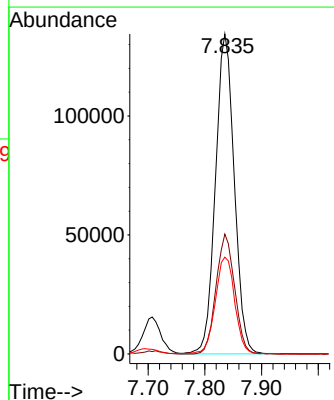
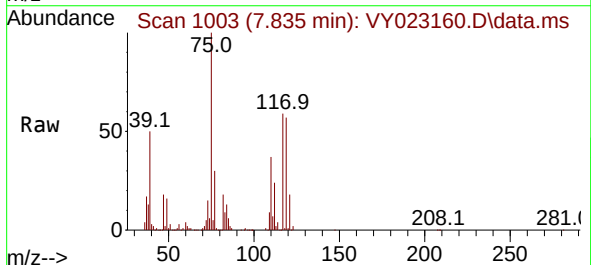
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

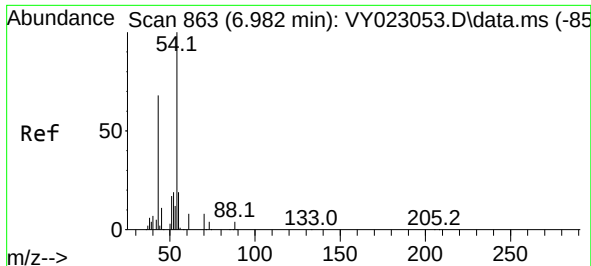
Tgt Ion:113 Resp: 217058
Ion Ratio Lower Upper
113 100
111 102.8 81.1 121.7
192 20.9 16.2 24.4



#36
1,1-Dichloropropene
Concen: 47.746 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion: 75 Resp: 308640
Ion Ratio Lower Upper
75 100
110 37.0 18.1 54.4
77 31.4 24.6 37.0





#37

Ethyl Acetate

Concen: 44.444 ug/l

RT: 6.982 min Scan# 80

Delta R.T. 0.000 min

Lab File: VY023160.D

Acq: 19 Aug 2025 19:08

Instrument :

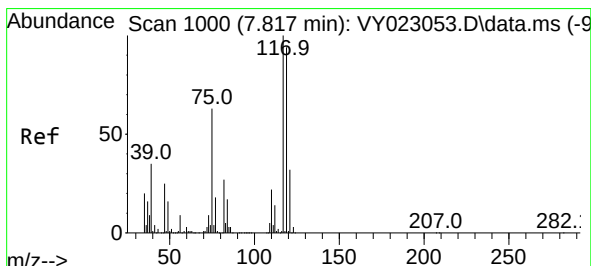
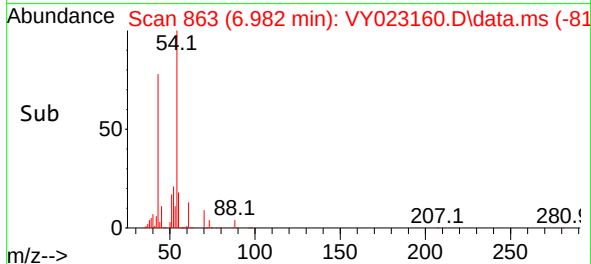
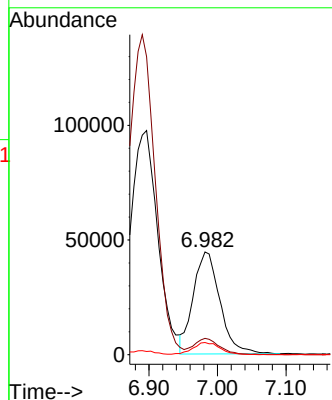
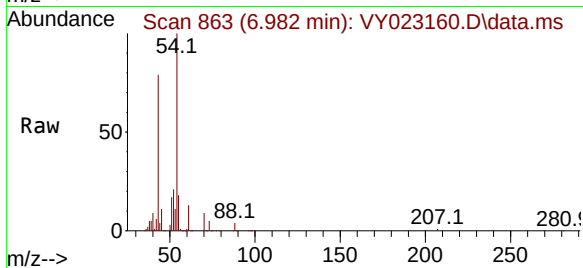
MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 120682

Ion	Ratio	Lower	Upper
43	100		
61	14.9	11.9	17.9
70	12.3	8.8	13.2



#38

Carbon Tetrachloride

Concen: 48.612 ug/l

RT: 7.817 min Scan# 1000

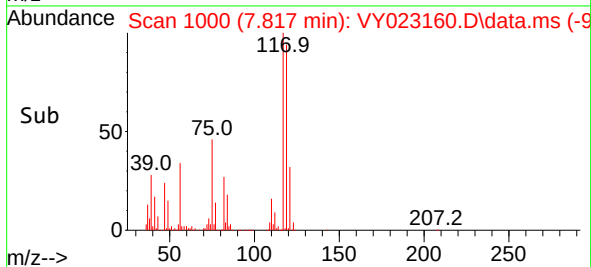
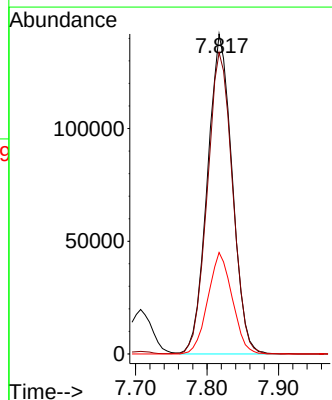
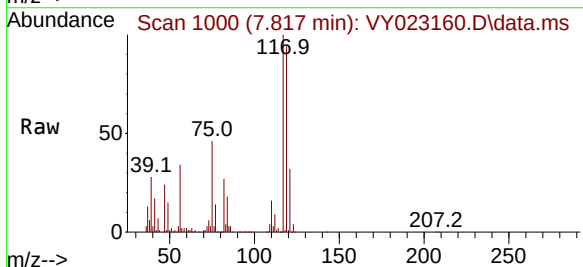
Delta R.T. 0.000 min

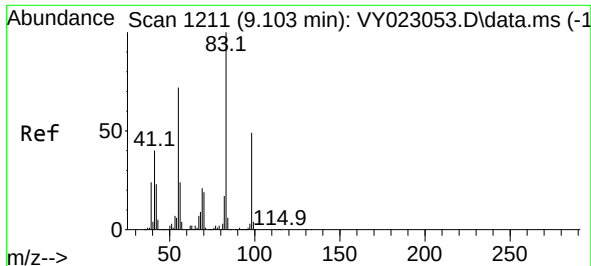
Lab File: VY023160.D

Acq: 19 Aug 2025 19:08

Tgt Ion: 117 Resp: 341297

Ion	Ratio	Lower	Upper
117	100		
119	94.1	75.6	113.4
121	31.7	25.8	38.8





#39

Methylcyclohexane

Concen: 45.580 ug/l

RT: 9.109 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY023160.D

Acq: 19 Aug 2025 19:08

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

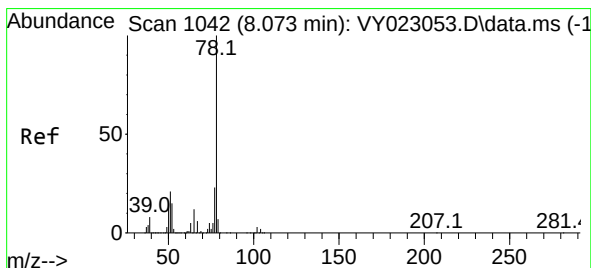
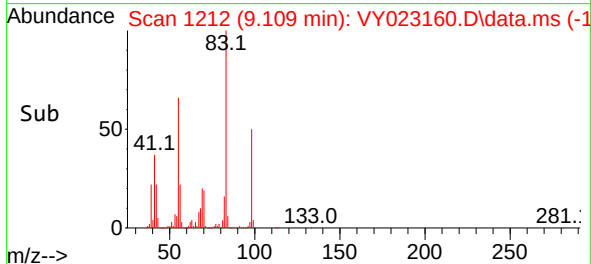
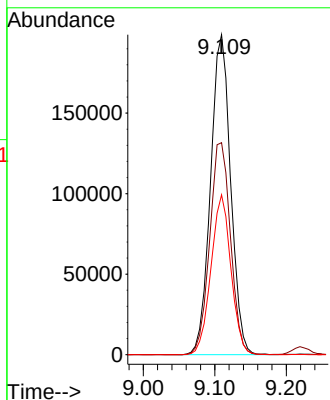
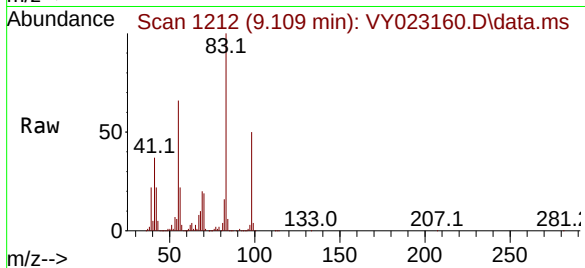
Tgt Ion: 83 Resp: 387997

Ion Ratio Lower Upper

83 100

55 66.2 57.6 86.4

98 49.9 39.2 58.8



#40

Benzene

Concen: 50.170 ug/l

RT: 8.079 min Scan# 1043

Delta R.T. 0.006 min

Lab File: VY023160.D

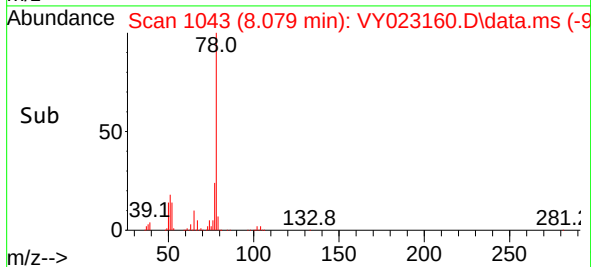
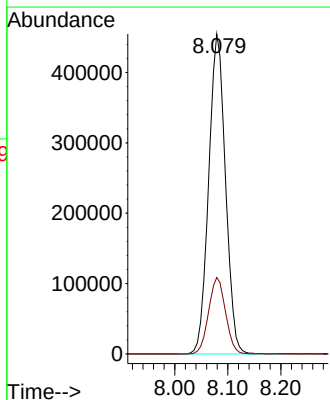
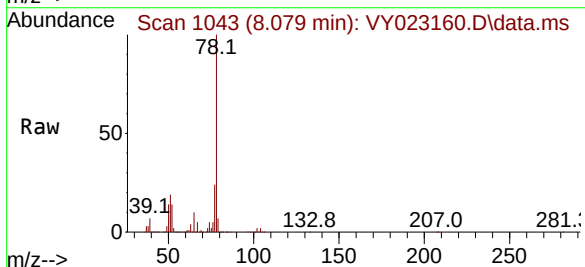
Acq: 19 Aug 2025 19:08

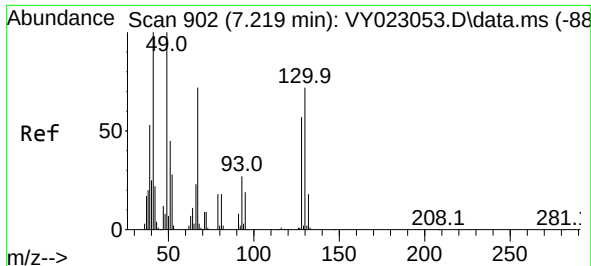
Tgt Ion: 78 Resp: 999546

Ion Ratio Lower Upper

78 100

77 23.9 18.6 28.0



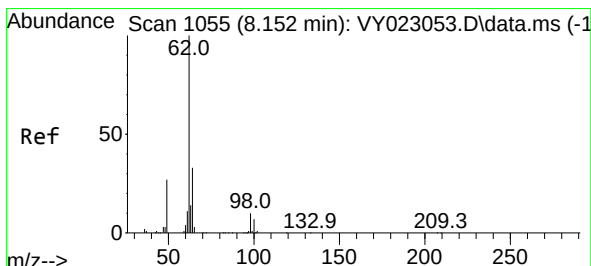
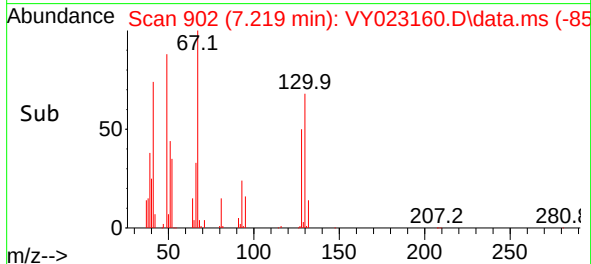
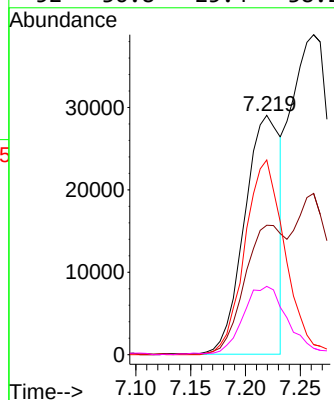
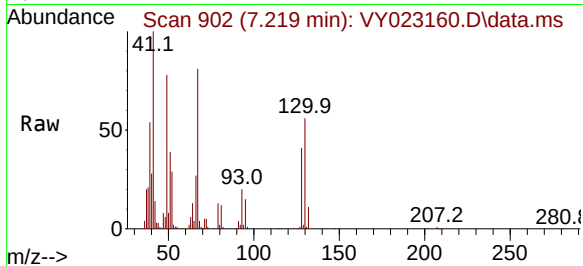


#41
Methacrylonitrile
Concen: 41.877 ug/l
RT: 7.219 min Scan# 90
Delta R.T. 0.000 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 41 Resp: 65626

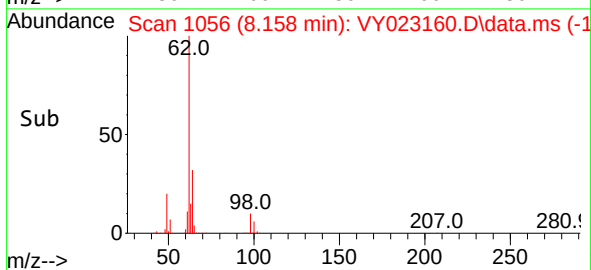
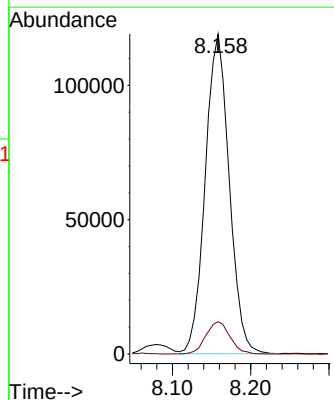
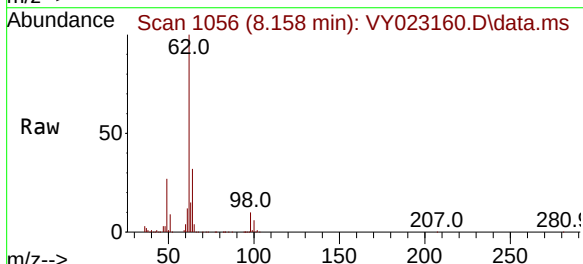
Ion	Ratio	Lower	Upper
41	100		
39	62.3	43.4	65.2
67	92.6	63.6	95.4
52	36.8	25.4	38.2

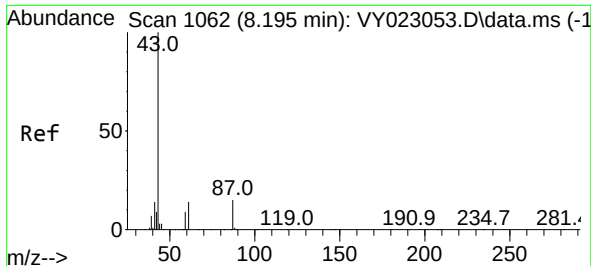


#42
1,2-Dichloroethane
Concen: 48.835 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion: 62 Resp: 253049

Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	20.6

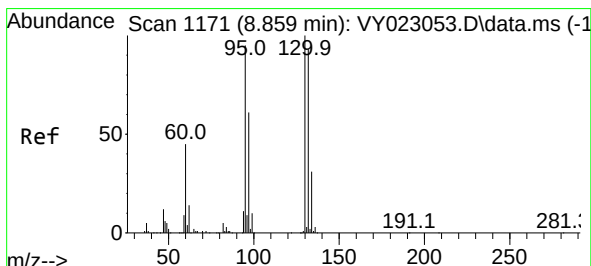
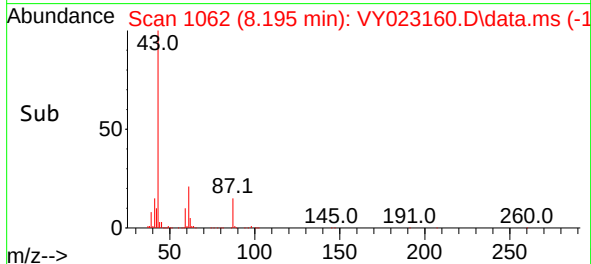
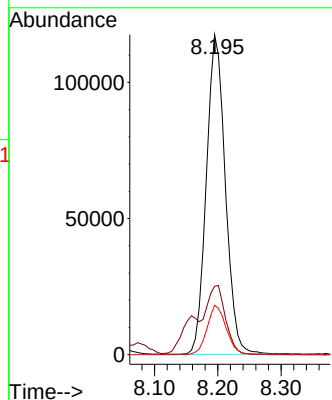
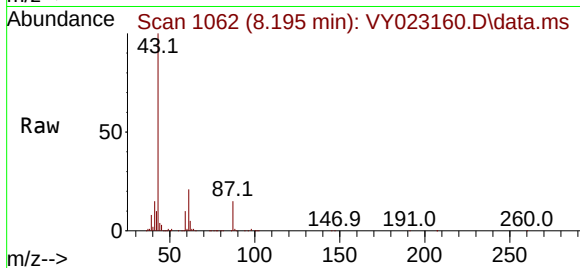




#43
Isopropyl Acetate
Concen: 44.694 ug/l
RT: 8.195 min Scan# 110
Delta R.T. 0.000 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

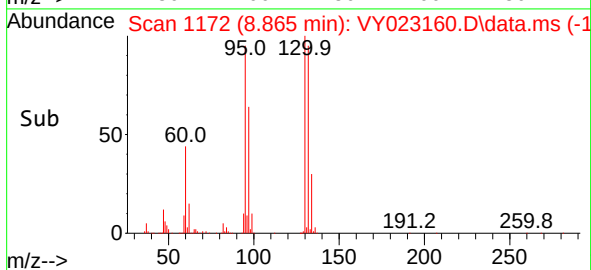
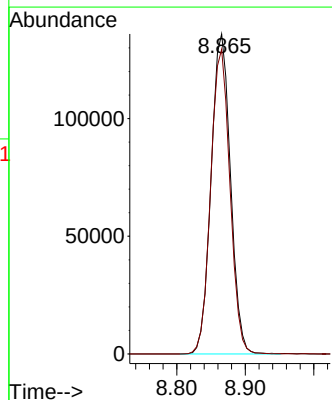
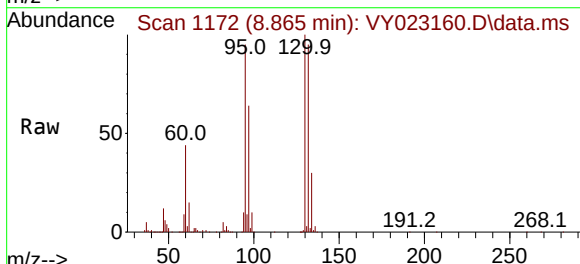
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

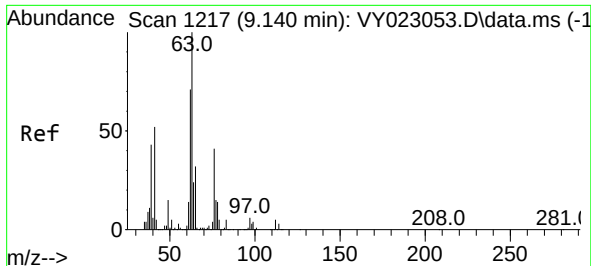
Tgt Ion:	43	Resp:	245293
Ion	Ratio	Lower	Upper
43	100		
61	22.2	16.4	24.6
87	15.5	11.8	17.6



#44
Trichloroethene
Concen: 51.782 ug/l
RT: 8.865 min Scan# 1172
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion:	130	Resp:	266609
Ion	Ratio	Lower	Upper
130	100		
95	95.2	0.0	190.2





#45

1,2-Dichloropropane

Concen: 49.829 ug/l

RT: 9.140 min Scan# 1217

Delta R.T. 0.000 min

Lab File: VY023160.D

Acq: 19 Aug 2025 19:08

Instrument :

MSVOA_Y

ClientSampleId :

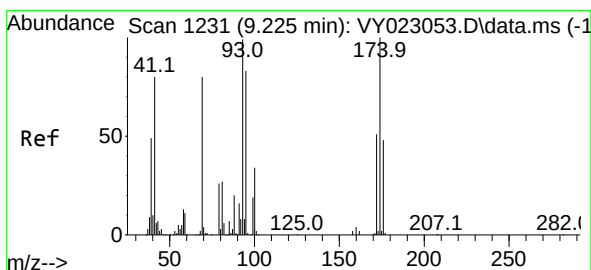
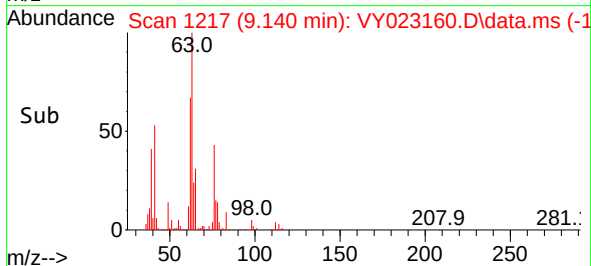
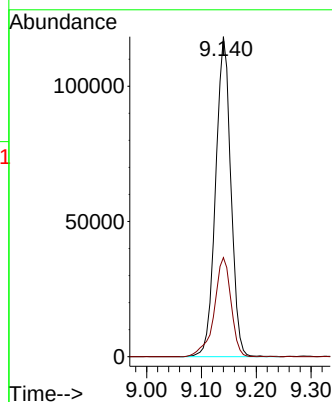
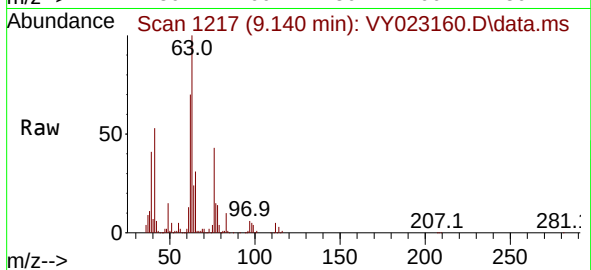
VSTDCCC050EC

Tgt Ion: 63 Resp: 228425

Ion Ratio Lower Upper

63 100

65 31.0 25.3 37.9



#46

Dibromomethane

Concen: 49.971 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. 0.006 min

Lab File: VY023160.D

Acq: 19 Aug 2025 19:08

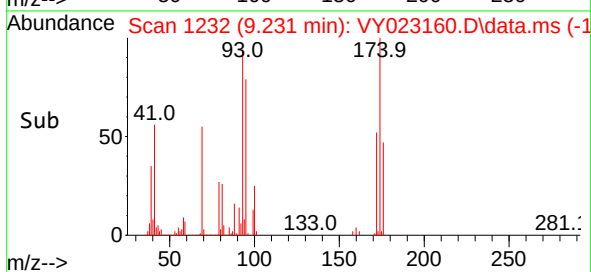
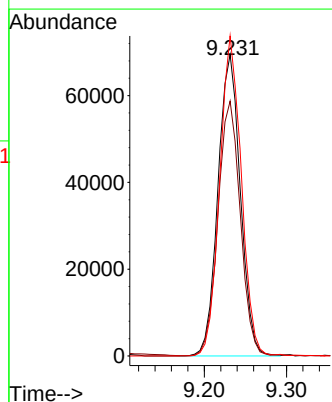
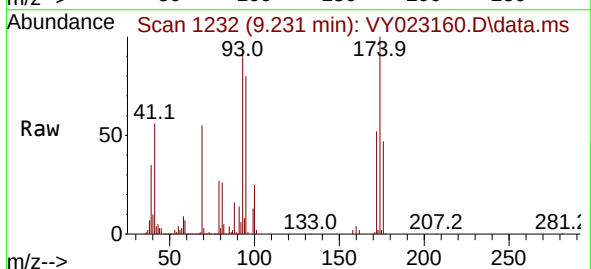
Tgt Ion: 93 Resp: 131481

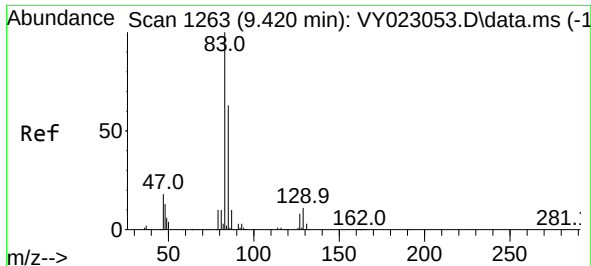
Ion Ratio Lower Upper

93 100

95 84.7 66.5 99.7

174 102.7 81.8 122.8

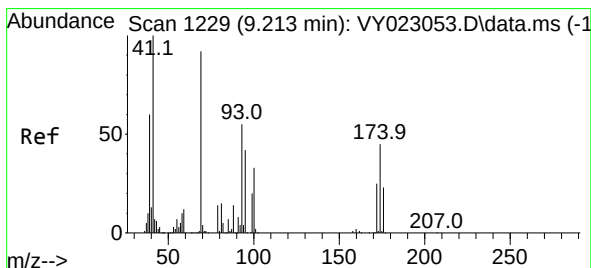
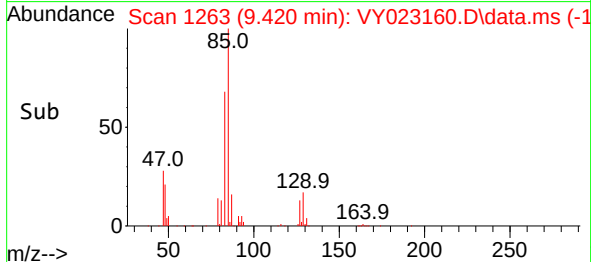
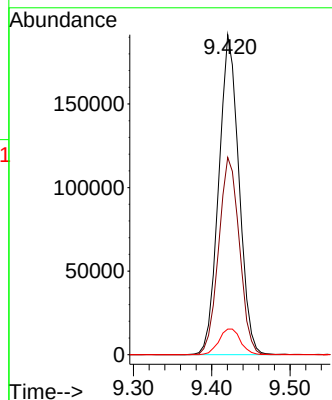
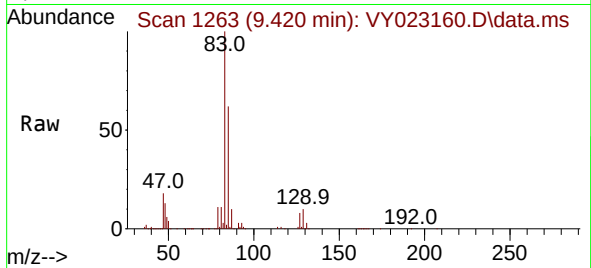




#47
Bromodichloromethane
Concen: 50.703 ug/l
RT: 9.420 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

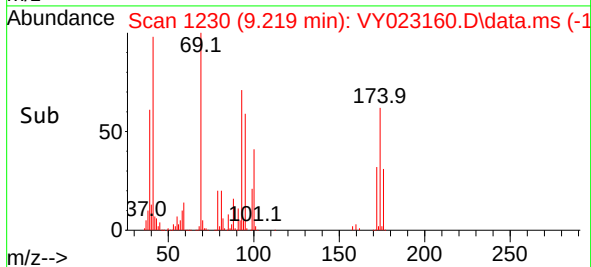
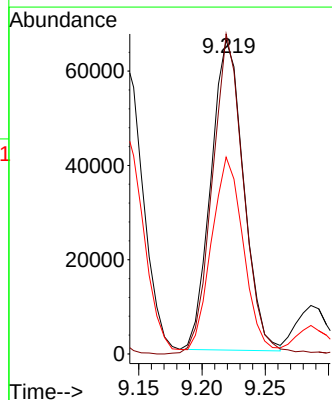
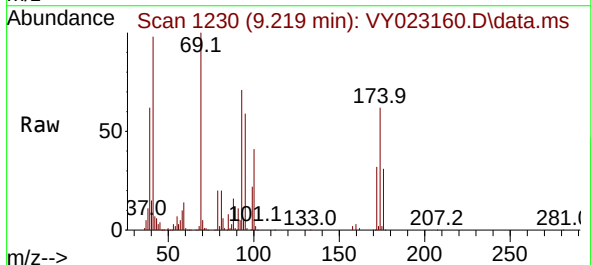
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

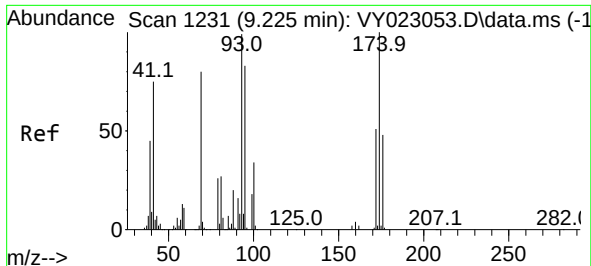
Tgt Ion: 83 Resp: 343279
Ion Ratio Lower Upper
83 100
85 61.6 50.2 75.4
127 8.0 6.6 10.0



#48
Methyl methacrylate
Concen: 45.021 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion: 41 Resp: 118237
Ion Ratio Lower Upper
41 100
69 99.0 73.2 109.8
39 59.8 47.0 70.4





#49

1,4-Dioxane

Concen: 946.444 ug/l

RT: 9.225 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY023160.D

Acq: 19 Aug 2025 19:08

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

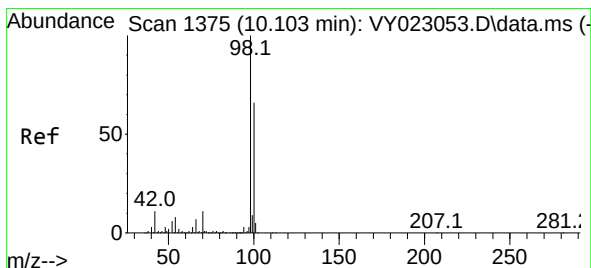
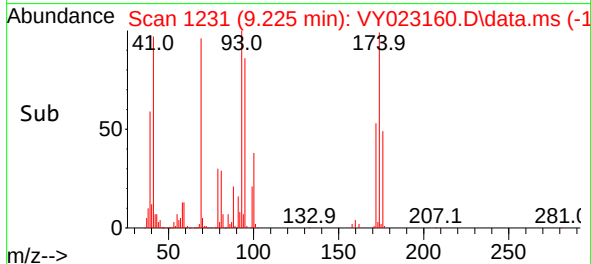
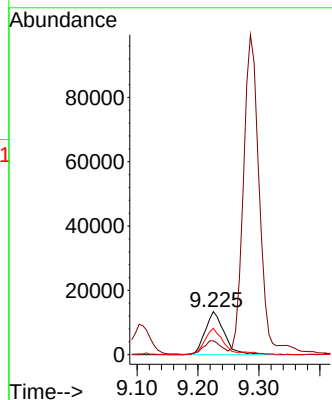
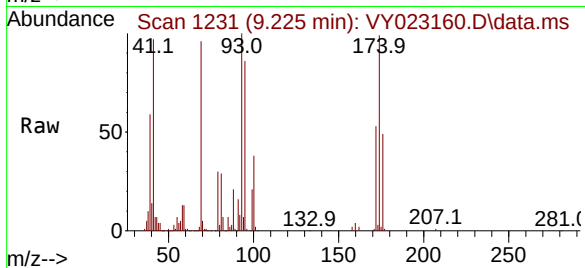
Tgt Ion: 88 Resp: 29199

Ion Ratio Lower Upper

88 100

43 29.7 24.3 36.5

58 57.5 55.4 83.0



#50

Toluene-d8

Concen: 50.853 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. 0.000 min

Lab File: VY023160.D

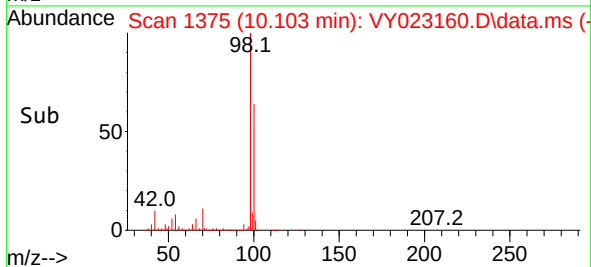
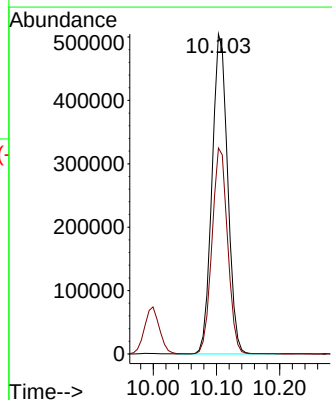
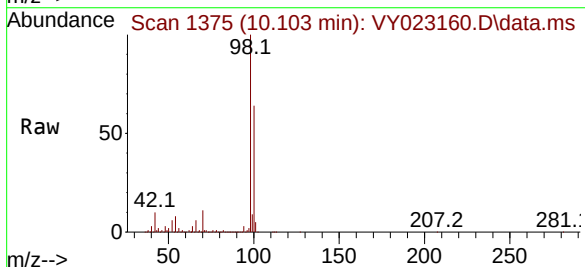
Acq: 19 Aug 2025 19:08

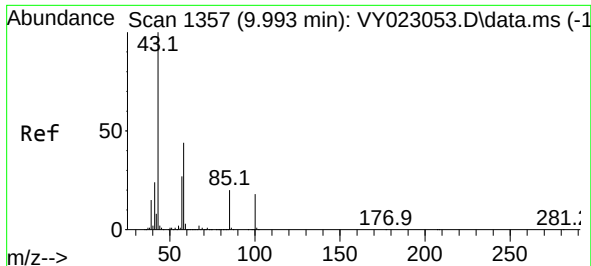
Tgt Ion: 98 Resp: 864097

Ion Ratio Lower Upper

98 100

100 64.3 52.3 78.5





#51

4-Methyl-2-Pentanone

Concen: 231.971 ug/l

RT: 9.993 min Scan# 1357

Delta R.T. 0.000 min

Lab File: VY023160.D

Acq: 19 Aug 2025 19:08

Instrument :

MSVOA_Y

ClientSampleId :

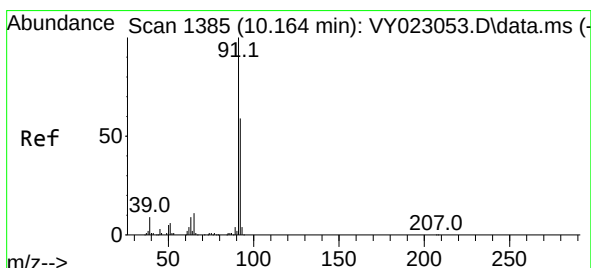
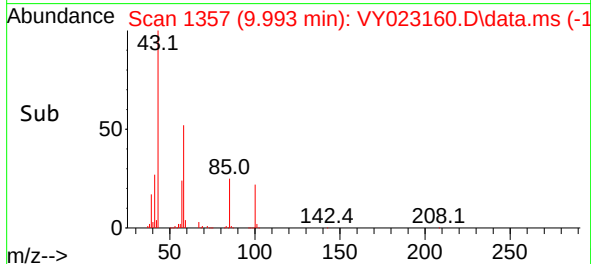
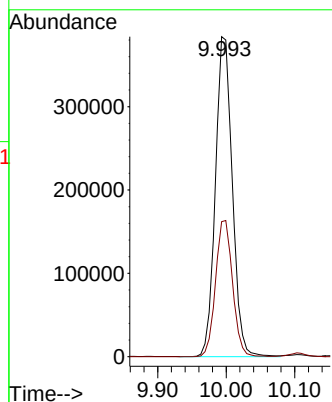
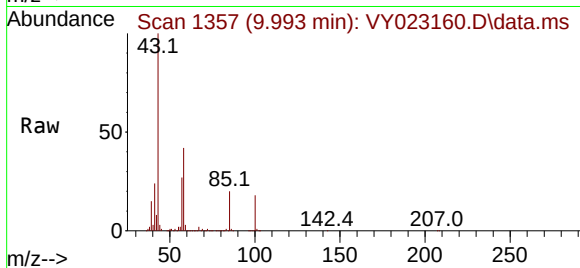
VSTDCCC050EC

Tgt Ion: 43 Resp: 656710

Ion Ratio Lower Upper

43 100

58 42.9 33.5 50.3



#52

Toluene

Concen: 51.179 ug/l

RT: 10.170 min Scan# 1386

Delta R.T. 0.006 min

Lab File: VY023160.D

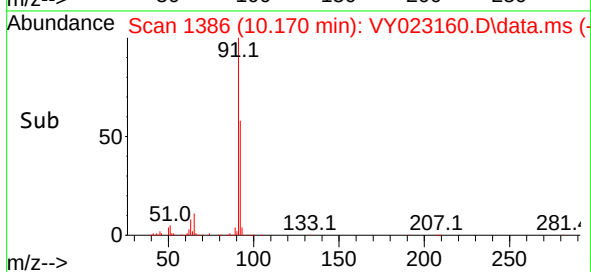
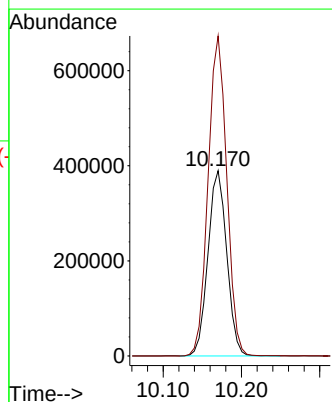
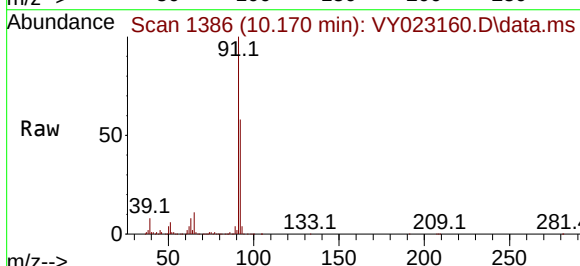
Acq: 19 Aug 2025 19:08

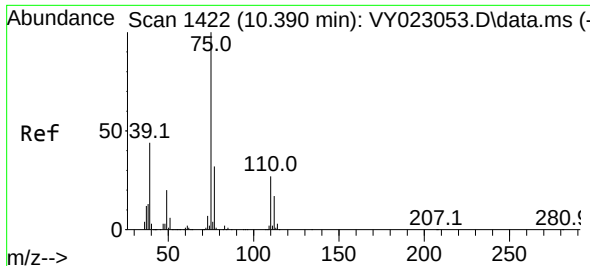
Tgt Ion: 92 Resp: 647611

Ion Ratio Lower Upper

92 100

91 171.9 136.4 204.6

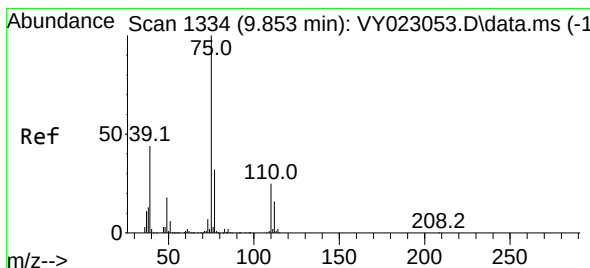
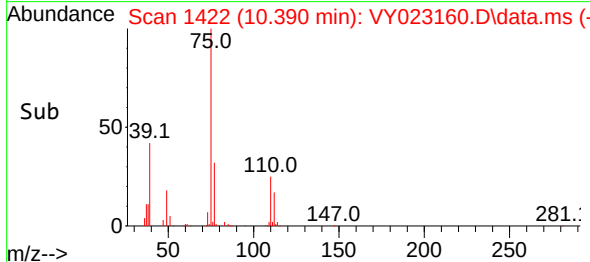
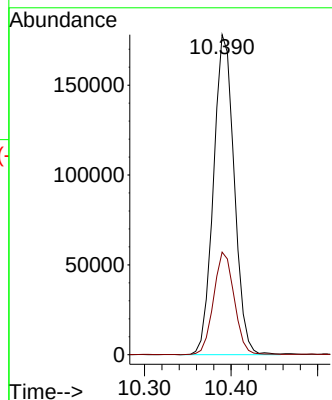
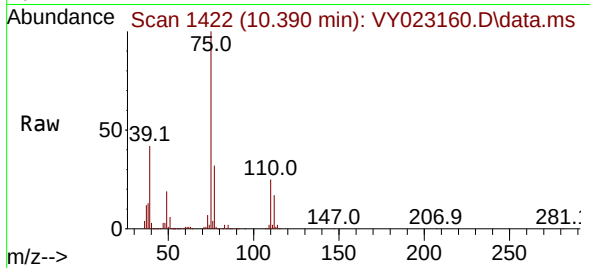




#53
t-1,3-Dichloropropene
Concen: 48.297 ug/l
RT: 10.390 min Scan# 1422
Delta R.T. 0.000 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

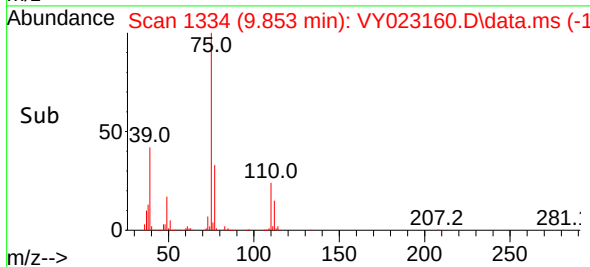
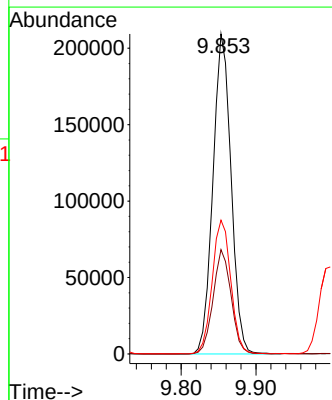
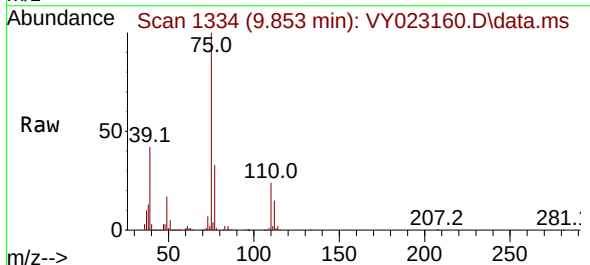
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

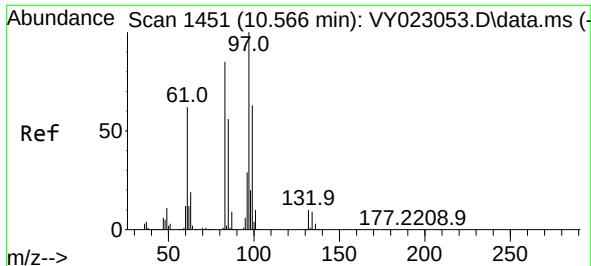
Tgt Ion: 75 Resp: 296104
Ion Ratio Lower Upper
75 100
77 32.0 25.7 38.5



#54
cis-1,3-Dichloropropene
Concen: 48.751 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion: 75 Resp: 353426
Ion Ratio Lower Upper
75 100
77 32.6 25.4 38.0
39 41.7 35.6 53.4



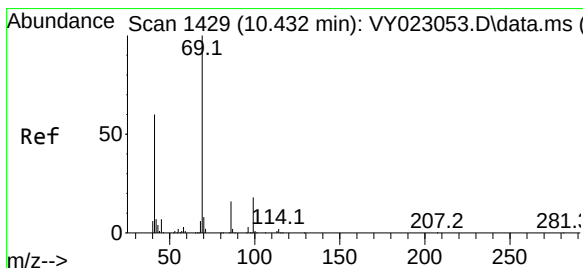
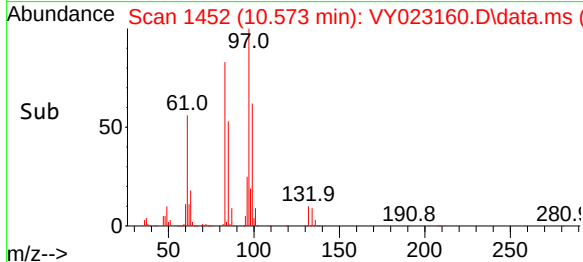
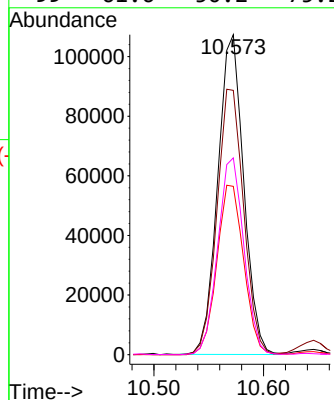
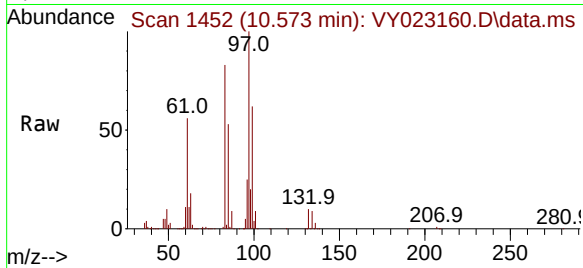


#55
1,1,2-Trichloroethane
Concen: 50.180 ug/l
RT: 10.573 min Scan# 1451
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 97 Resp: 176672

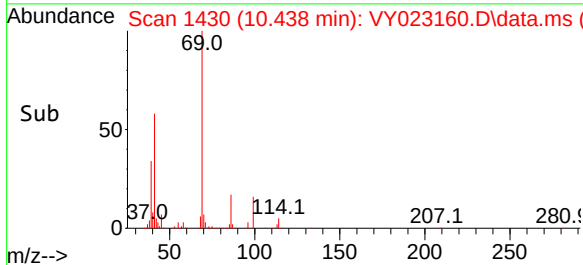
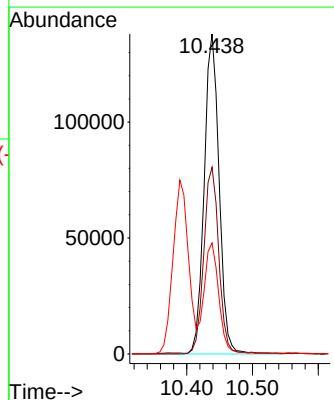
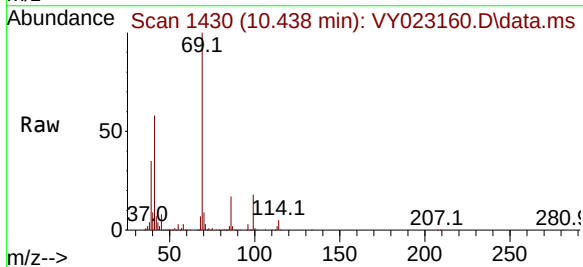
Ion	Ratio	Lower	Upper
97	100		
83	82.7	67.7	101.5
85	52.7	44.5	66.7
99	61.6	50.2	75.2

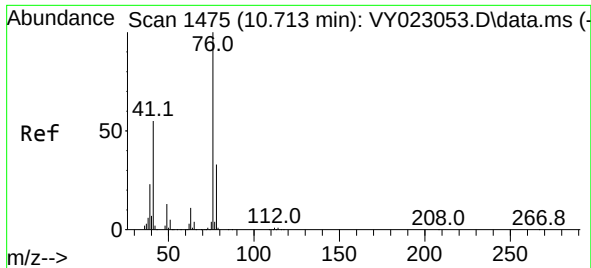


#56
Ethyl methacrylate
Concen: 48.375 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion: 69 Resp: 217938

Ion	Ratio	Lower	Upper
69	100		
41	58.3	48.6	72.8
39	34.0	27.0	40.4

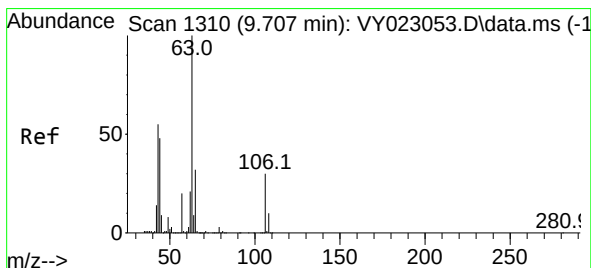
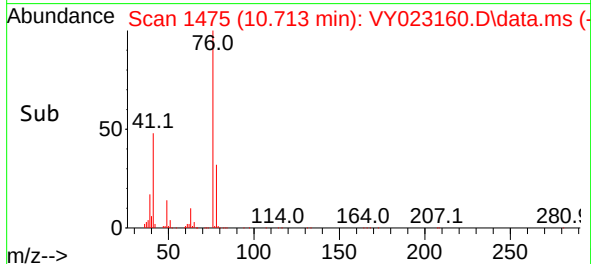
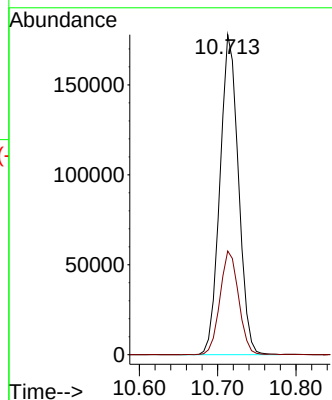
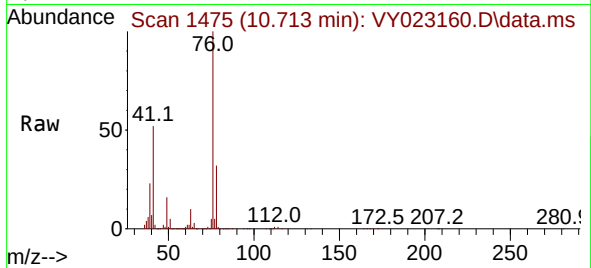




#57
1,3-Dichloropropane
Concen: 48.952 ug/l
RT: 10.713 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

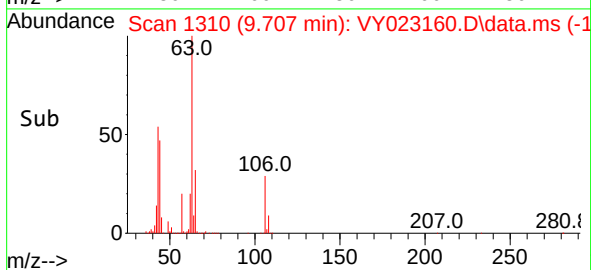
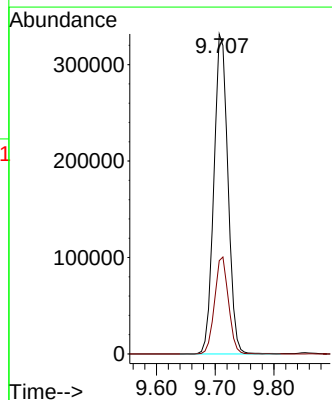
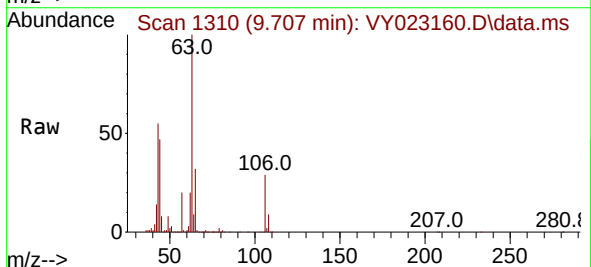
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

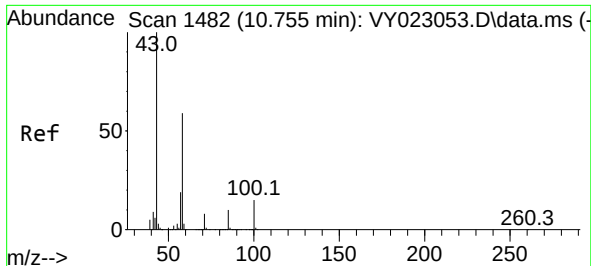
Tgt Ion: 76 Resp: 292293
Ion Ratio Lower Upper
76 100
78 32.6 26.0 39.0



#58
2-Chloroethyl Vinyl ether
Concen: 259.330 ug/l
RT: 9.707 min Scan# 1310
Delta R.T. 0.000 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion: 63 Resp: 551100
Ion Ratio Lower Upper
63 100
106 29.9 23.2 34.8

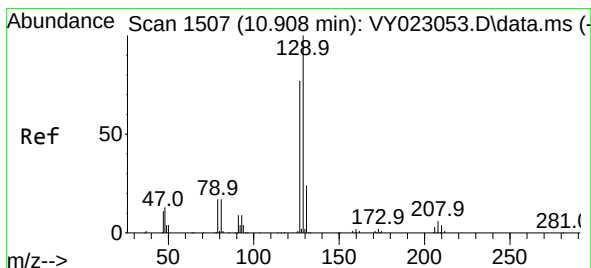
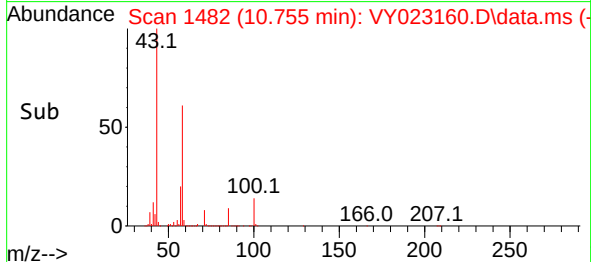
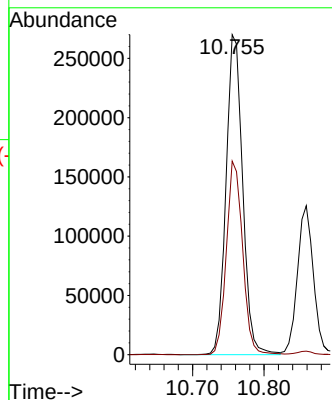
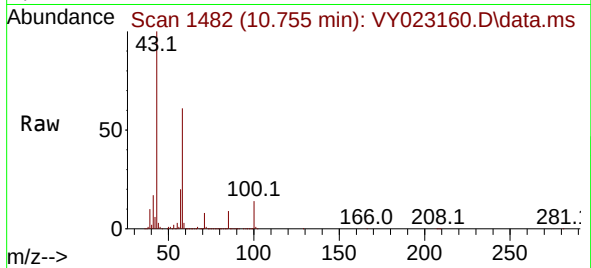




#59
2-Hexanone
Concen: 225.681 ug/l
RT: 10.755 min Scan# 1482
Delta R.T. 0.000 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

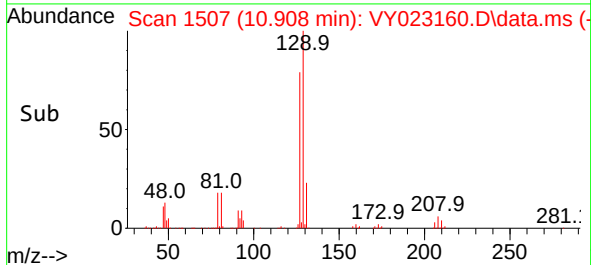
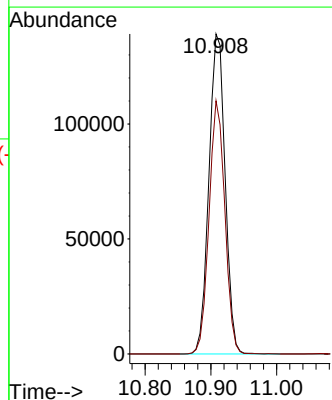
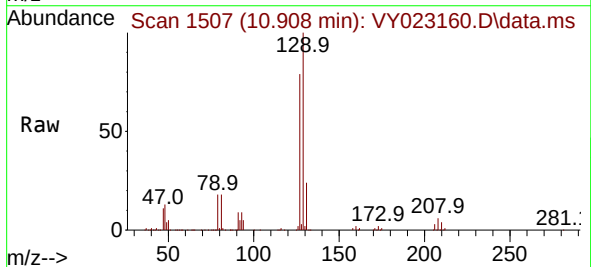
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

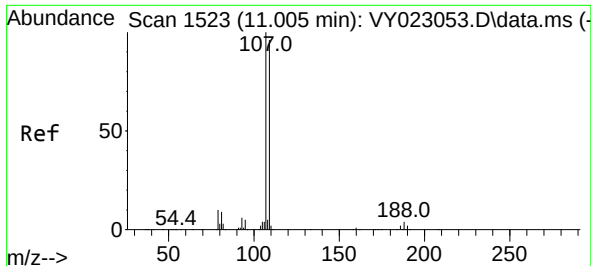
Tgt Ion: 43 Resp: 435049
Ion Ratio Lower Upper
43 100
58 59.3 29.5 88.5



#60
Dibromochloromethane
Concen: 51.365 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion: 129 Resp: 238623
Ion Ratio Lower Upper
129 100
127 77.3 38.5 115.5

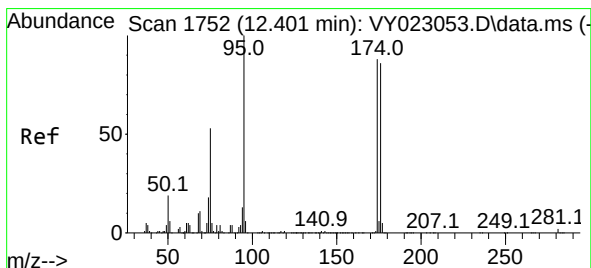
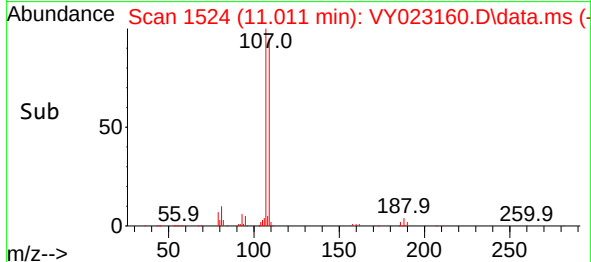
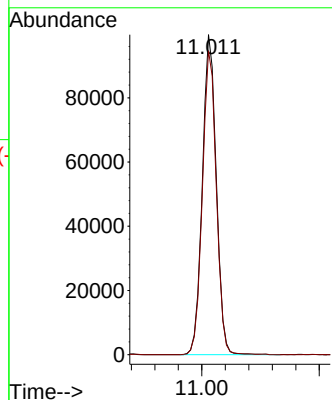
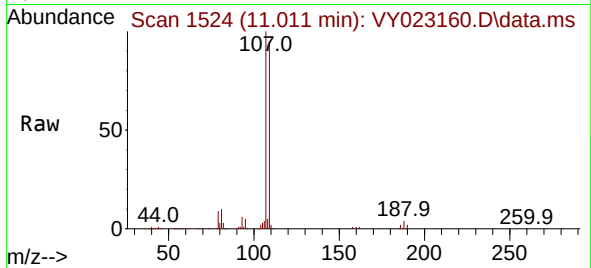




#61
1,2-Dibromoethane
Concen: 49.588 ug/l
RT: 11.011 min Scan# 1524
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

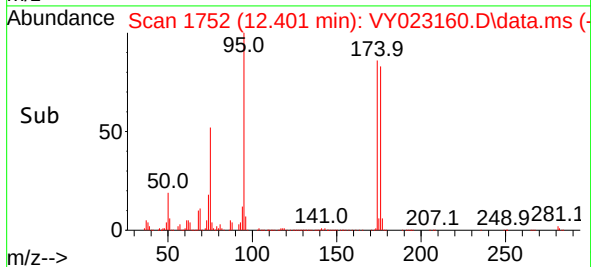
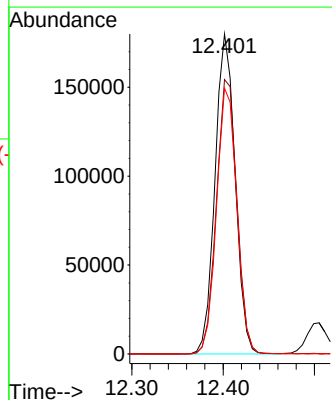
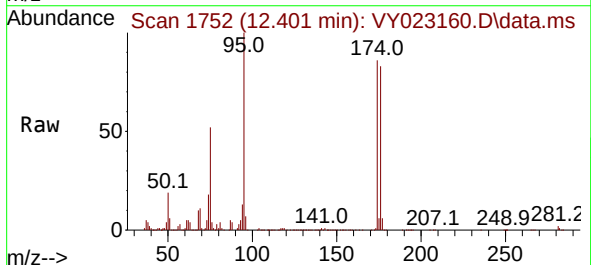
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

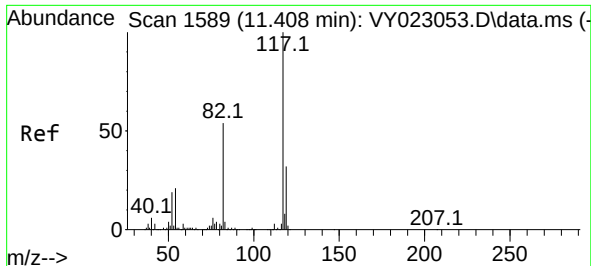
Tgt Ion:107 Resp: 164095
Ion Ratio Lower Upper
107 100
109 95.0 75.6 113.4



#62
4-Bromofluorobenzene
Concen: 50.308 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion: 95 Resp: 274917
Ion Ratio Lower Upper
95 100
174 87.9 0.0 171.6
176 84.1 0.0 167.6

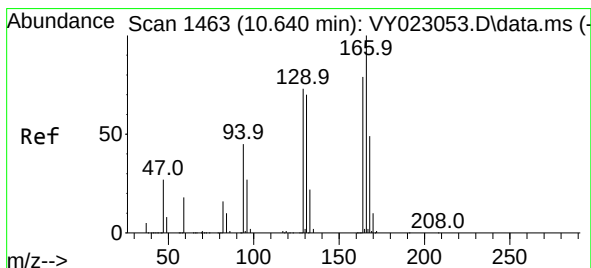
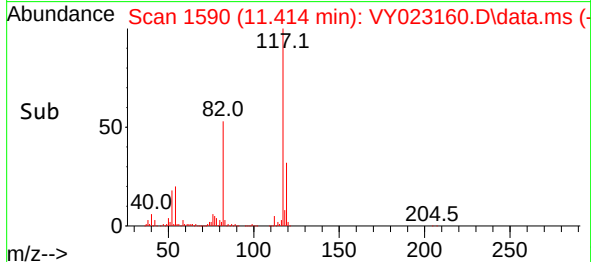
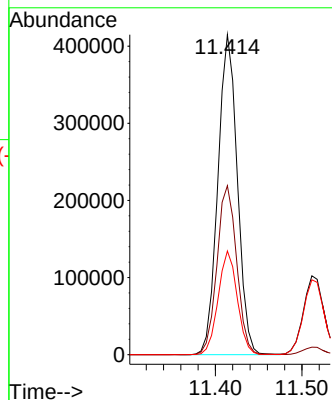
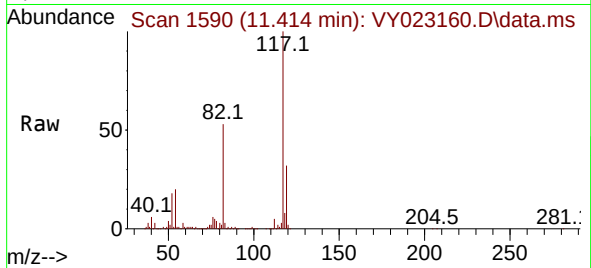




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

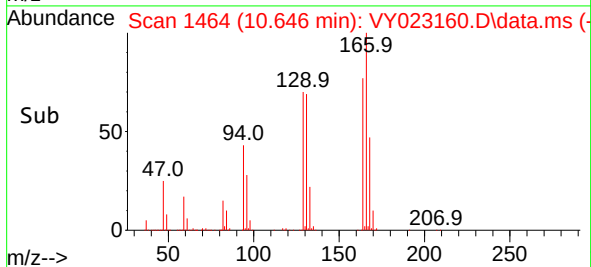
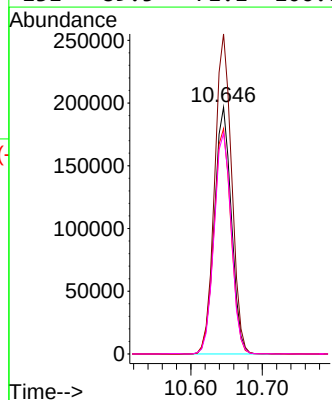
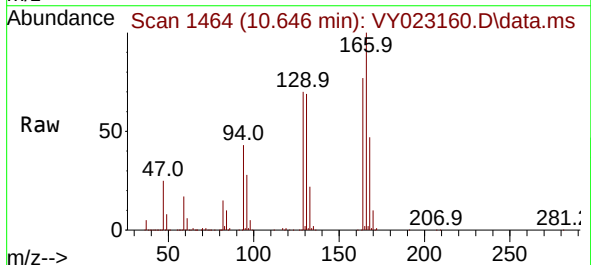
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

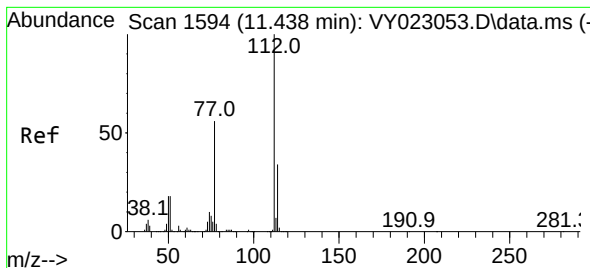
Tgt Ion:117 Resp: 647238
Ion Ratio Lower Upper
117 100
82 52.8 43.4 65.0
119 32.4 25.6 38.4



#64
Tetrachloroethene
Concen: 56.055 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion:164 Resp: 323963
Ion Ratio Lower Upper
164 100
166 129.7 101.1 151.7
129 91.3 74.0 111.0
131 89.5 71.1 106.7

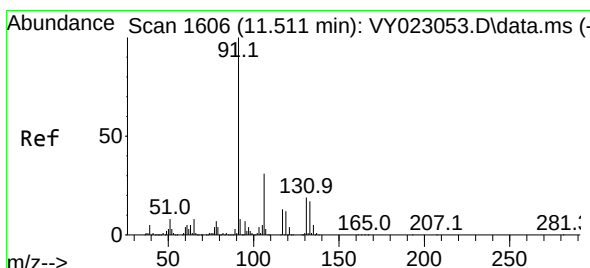
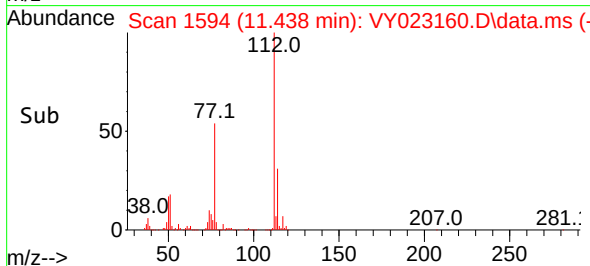
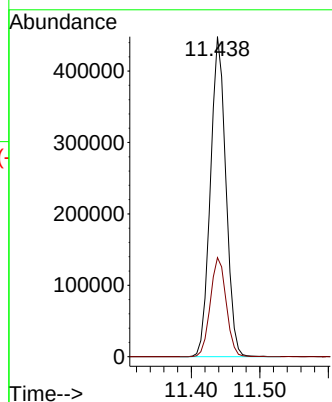
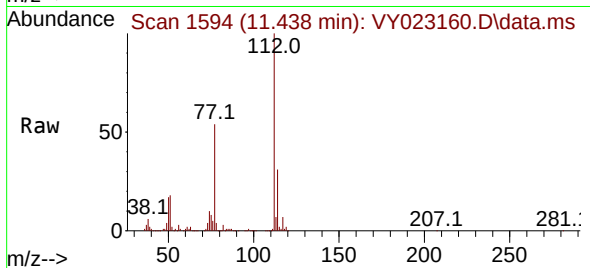




#65
Chlorobenzene
Concen: 50.434 ug/l
RT: 11.438 min Scan# 1594
Delta R.T. 0.000 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

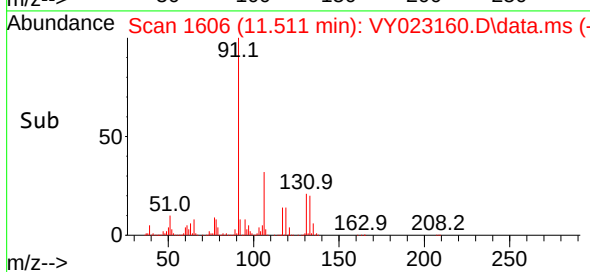
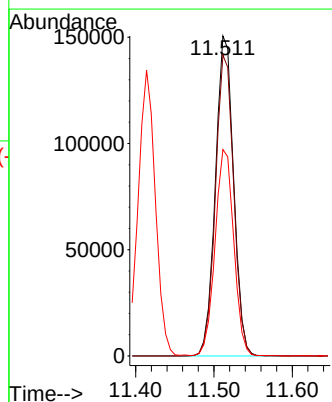
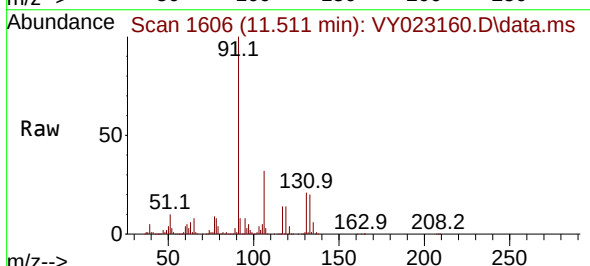
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

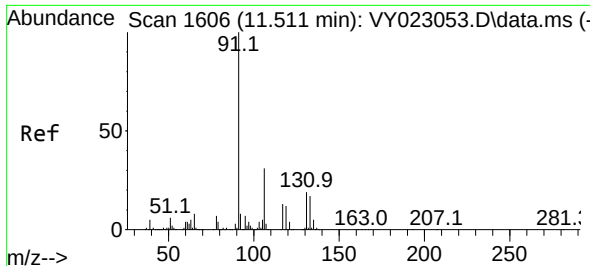
Tgt Ion:112 Resp: 704107
Ion Ratio Lower Upper
112 100
114 31.0 27.0 40.4



#66
1,1,1,2-Tetrachloroethane
Concen: 51.411 ug/l
RT: 11.511 min Scan# 1606
Delta R.T. 0.000 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion:131 Resp: 243596
Ion Ratio Lower Upper
131 100
133 94.2 46.9 140.6
119 66.4 33.2 99.6





#67

Ethyl Benzene

Concen: 50.888 ug/l

RT: 11.517 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY023160.D

Acq: 19 Aug 2025 19:08

Instrument :

MSVOA_Y

ClientSampleId :

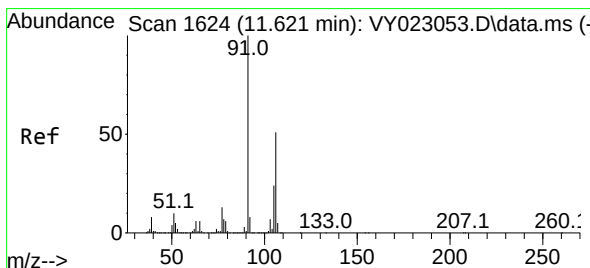
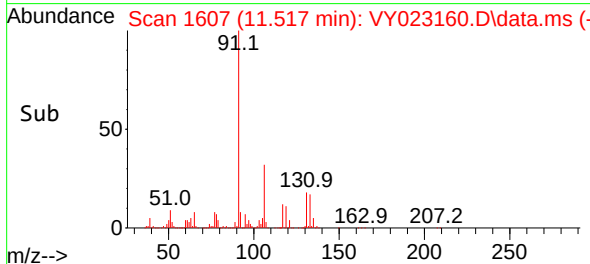
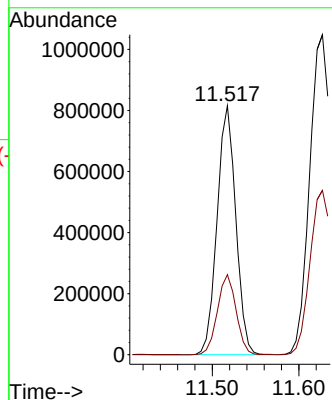
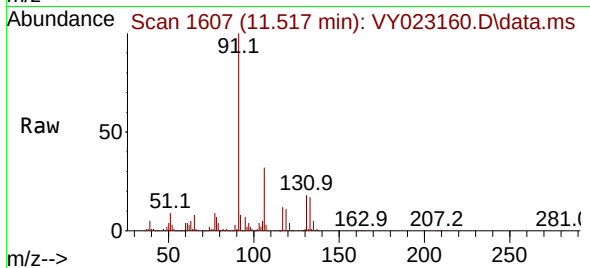
VSTDCCC050EC

Tgt Ion: 91 Resp: 1222605

Ion Ratio Lower Upper

91 100

106 32.1 25.0 37.4



#68

m/p-Xylenes

Concen: 103.051 ug/l

RT: 11.627 min Scan# 1625

Delta R.T. 0.006 min

Lab File: VY023160.D

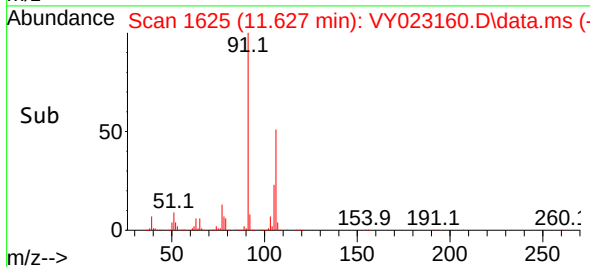
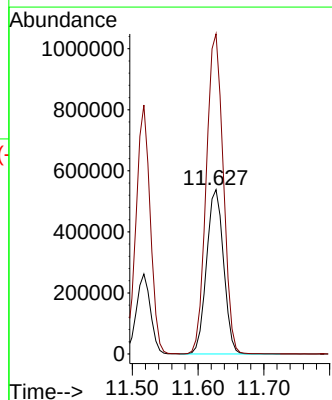
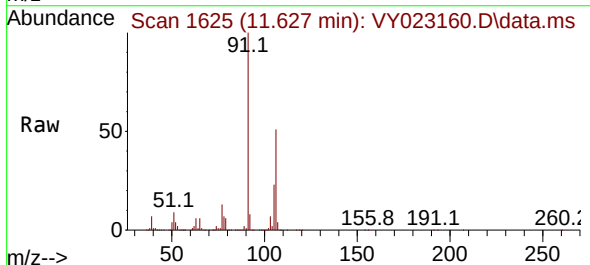
Acq: 19 Aug 2025 19:08

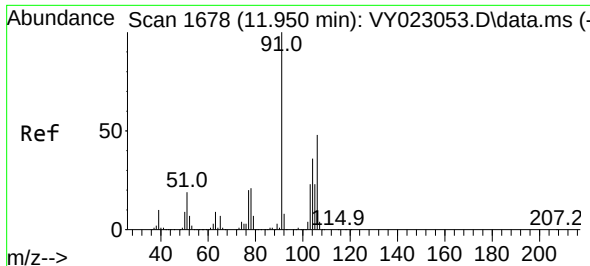
Tgt Ion:106 Resp: 966978

Ion Ratio Lower Upper

106 100

91 194.8 158.6 238.0

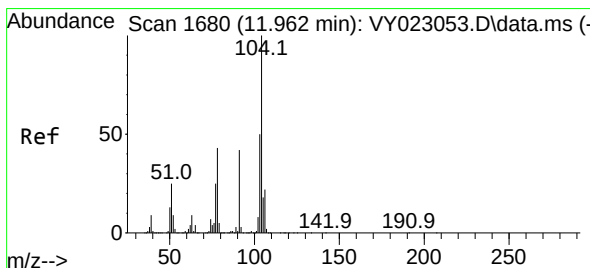
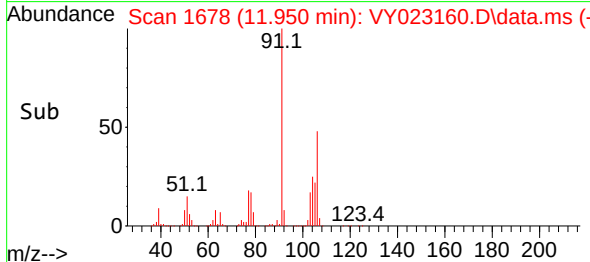
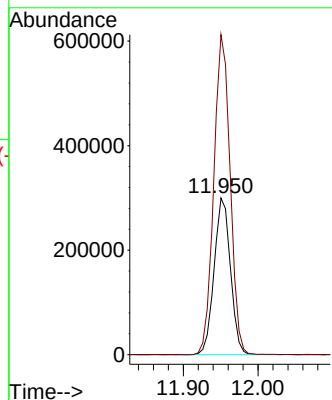
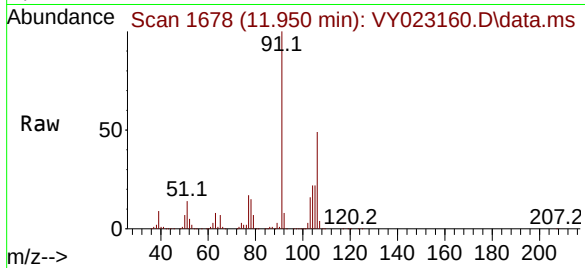




#69
o-Xylene
Concen: 51.799 ug/l
RT: 11.950 min Scan# 1678
Delta R.T. 0.000 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

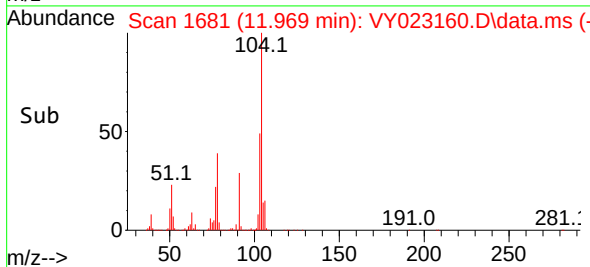
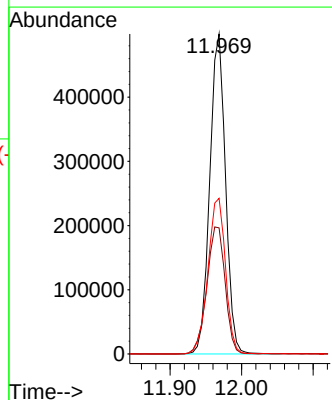
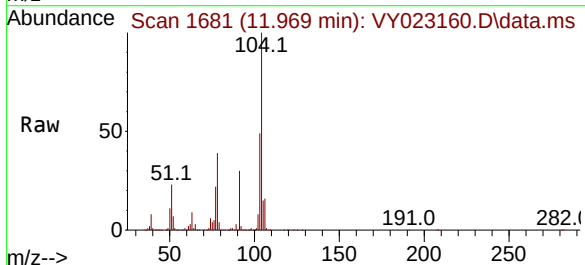
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

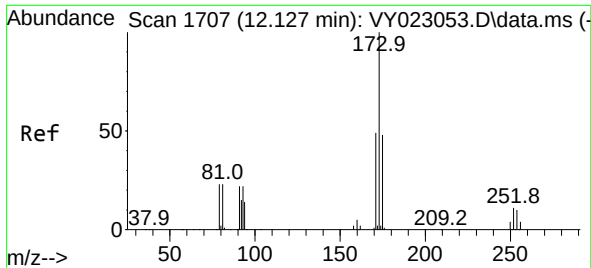
Tgt Ion:106 Resp: 455236
Ion Ratio Lower Upper
106 100
91 204.7 103.2 309.4



#70
Styrene
Concen: 53.132 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion:104 Resp: 763639
Ion Ratio Lower Upper
104 100
78 46.1 38.5 57.7
103 54.4 43.7 65.5

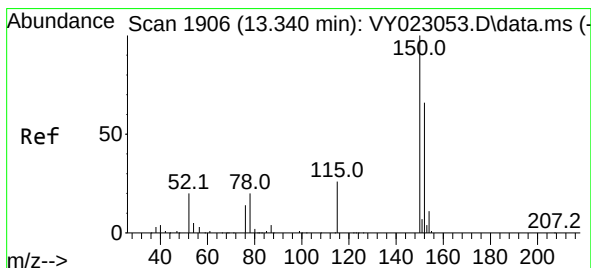
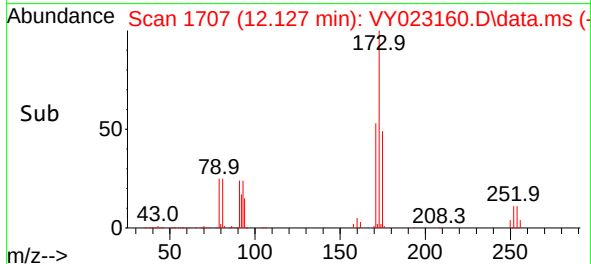
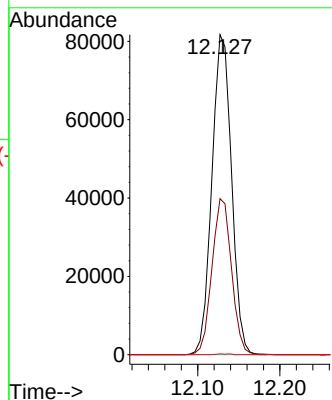
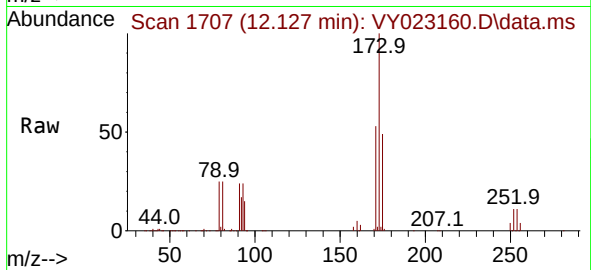




#71
Bromoform
Concen: 48.980 ug/l
RT: 12.127 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

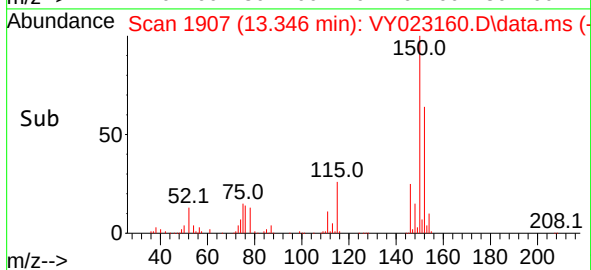
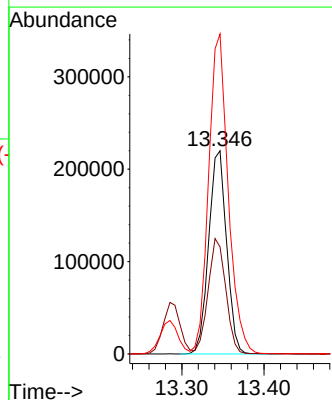
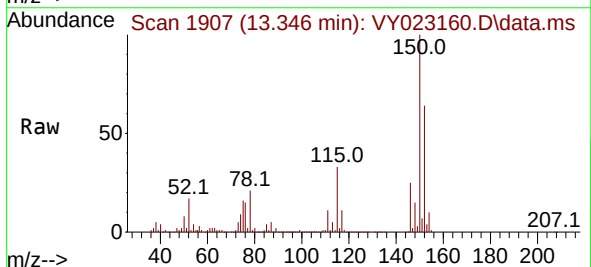
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

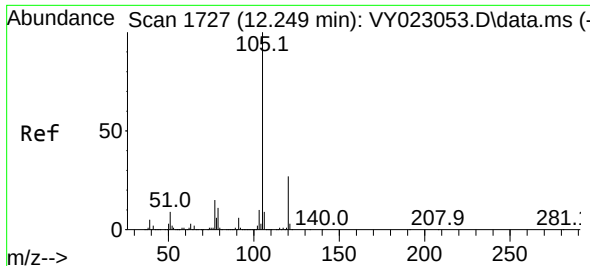
Tgt Ion:173 Resp: 135638
Ion Ratio Lower Upper
173 100
175 48.5 23.9 71.7
254 0.2 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion:152 Resp: 333557
Ion Ratio Lower Upper
152 100
115 55.8 28.2 84.6
150 171.6 0.0 348.0

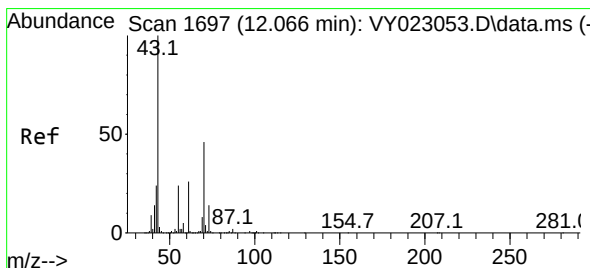
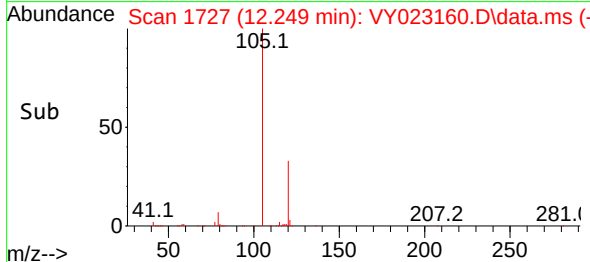
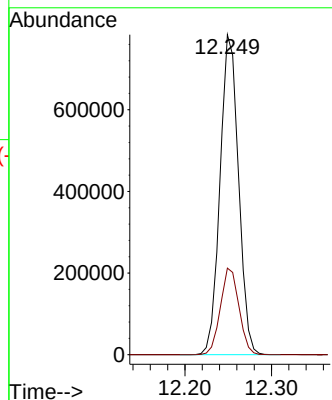
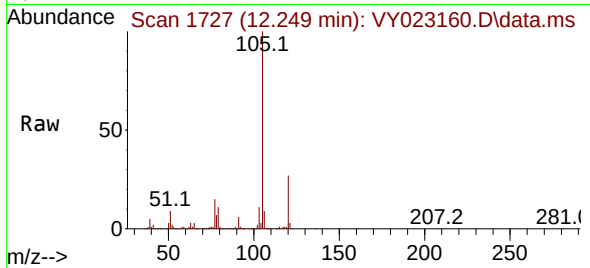




#73
Isopropylbenzene
Concen: 49.330 ug/l
RT: 12.249 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

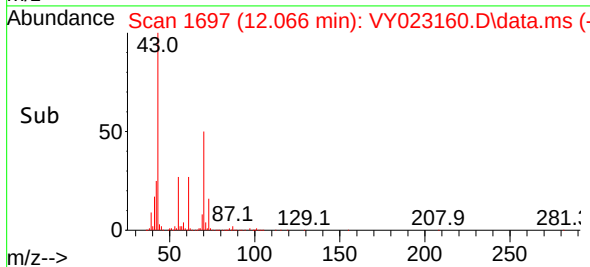
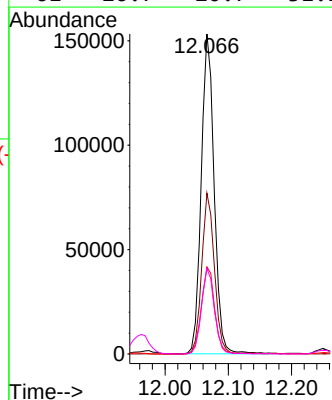
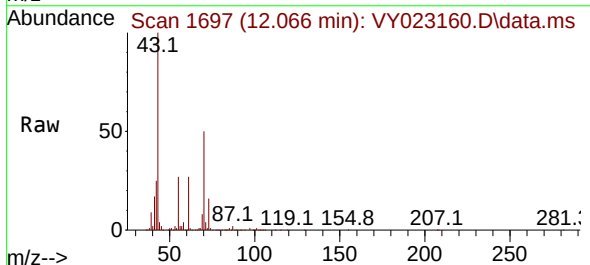
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

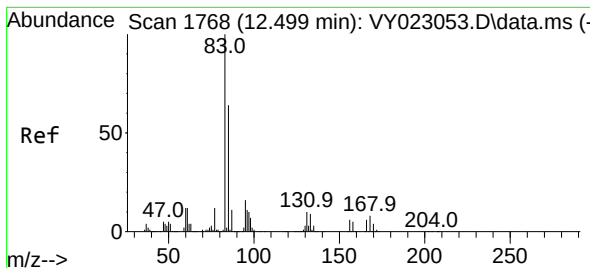
Tgt Ion:105 Resp: 1161331
Ion Ratio Lower Upper
105 100
120 27.1 13.4 40.2



#74
N-ethyl acetate
Concen: 43.613 ug/l
RT: 12.066 min Scan# 1697
Delta R.T. 0.000 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion: 43 Resp: 217737
Ion Ratio Lower Upper
43 100
70 49.5 37.5 56.3
55 28.2 20.7 31.1
61 26.7 20.7 31.1

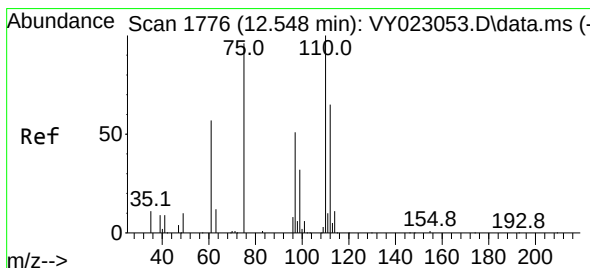
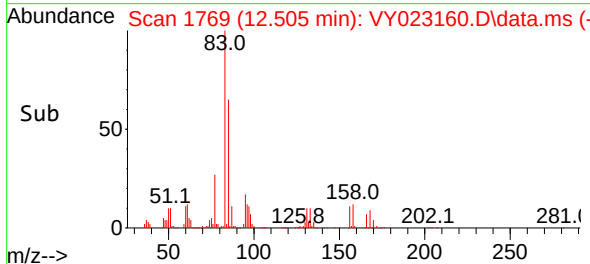
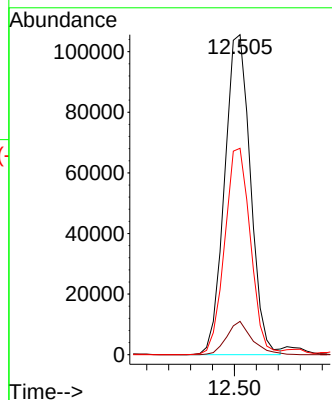
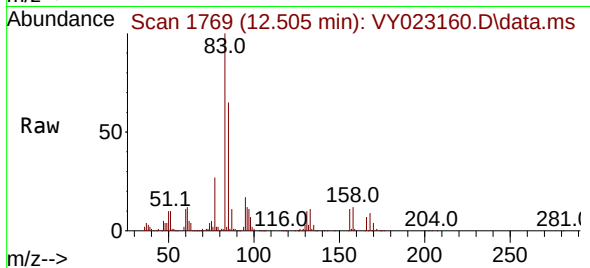




#75
 1,1,2,2-Tetrachloroethane
 Concen: 43.025 ug/l
 RT: 12.505 min Scan# 1769
 Delta R.T. 0.006 min
 Lab File: VY023160.D
 Acq: 19 Aug 2025 19:08

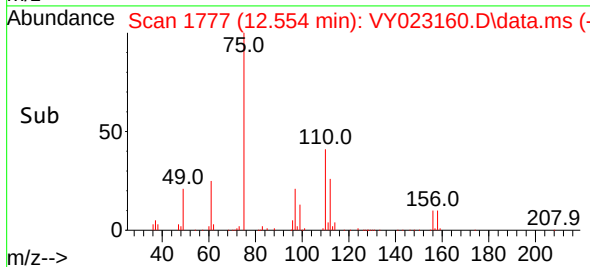
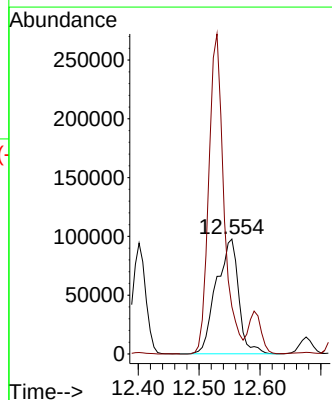
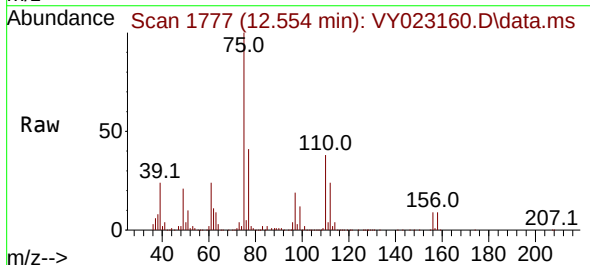
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

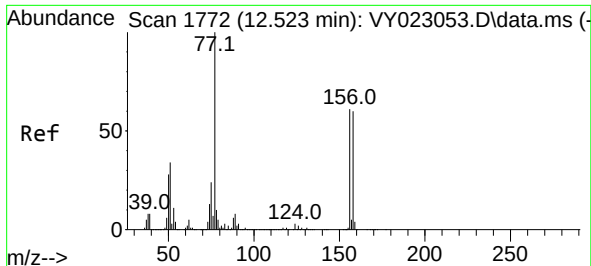
Tgt Ion: 83 Resp: 172951
 Ion Ratio Lower Upper
 83 100
 131 10.2 5.1 15.3
 85 64.4 31.8 95.3



#76
 1,2,3-Trichloropropane
 Concen: 77.236 ug/l
 RT: 12.554 min Scan# 1777
 Delta R.T. 0.006 min
 Lab File: VY023160.D
 Acq: 19 Aug 2025 19:08

Tgt Ion: 75 Resp: 248637
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0

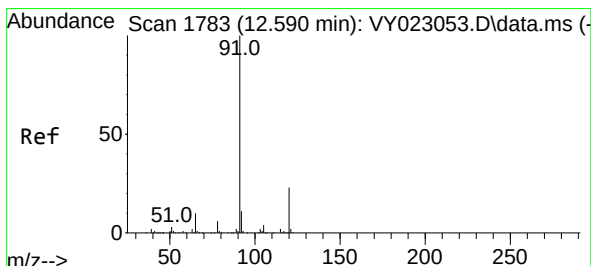
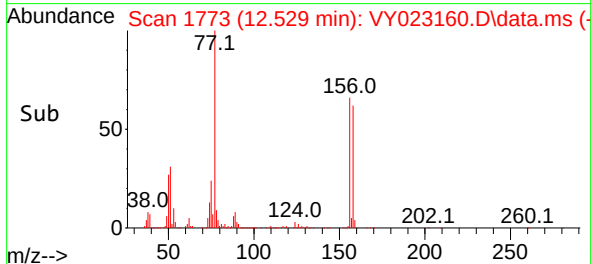
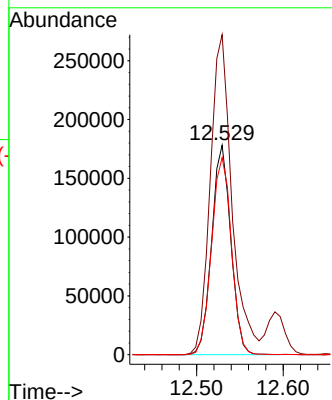
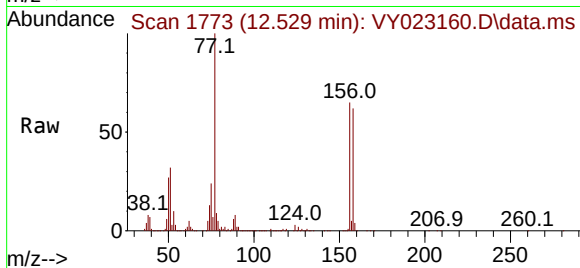




#77
Bromobenzene
Concen: 48.690 ug/l
RT: 12.529 min Scan# 1773
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

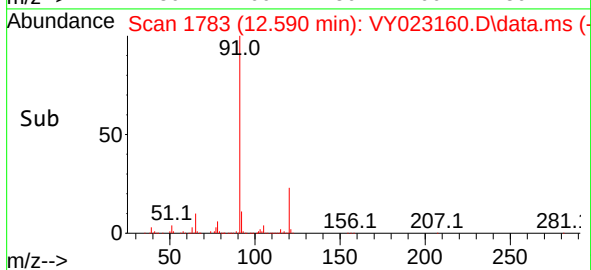
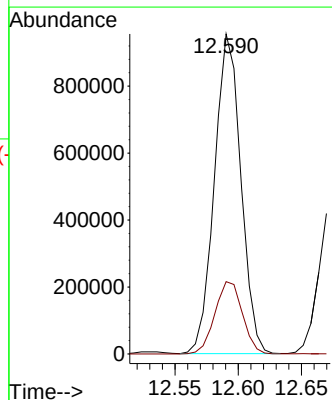
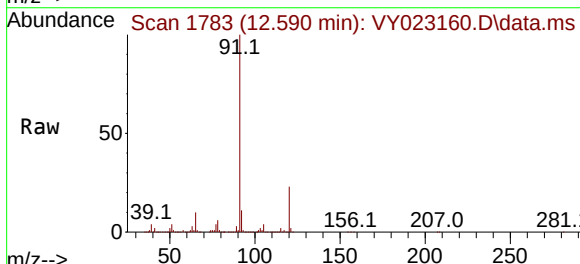
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

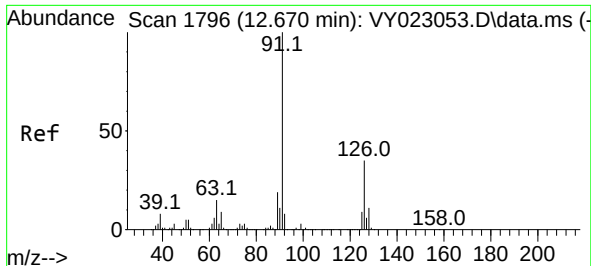
Tgt Ion:156 Resp: 273466
Ion Ratio Lower Upper
156 100
77 172.9 88.1 264.4
158 97.9 48.0 144.0



#78
n-propylbenzene
Concen: 49.502 ug/l
RT: 12.590 min Scan# 1783
Delta R.T. 0.000 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion: 91 Resp: 1387452
Ion Ratio Lower Upper
91 100
120 23.5 11.5 34.5

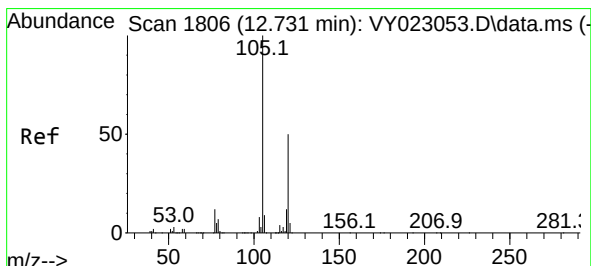
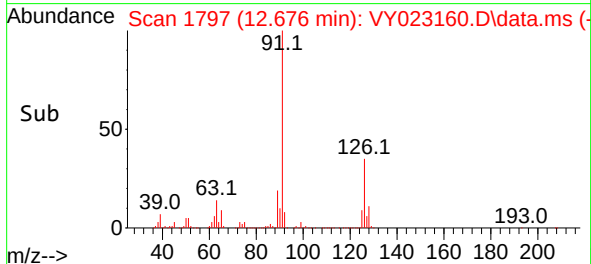
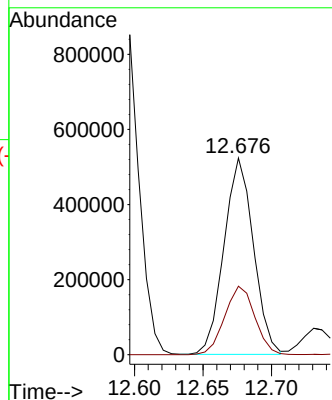
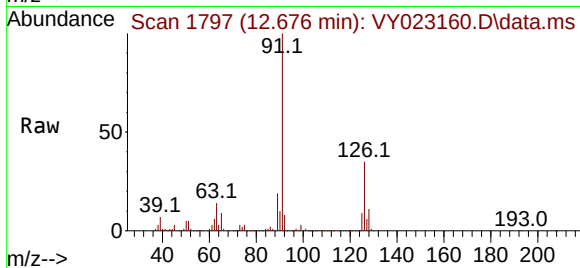




#79
2-Chlorotoluene
Concen: 48.829 ug/l
RT: 12.676 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

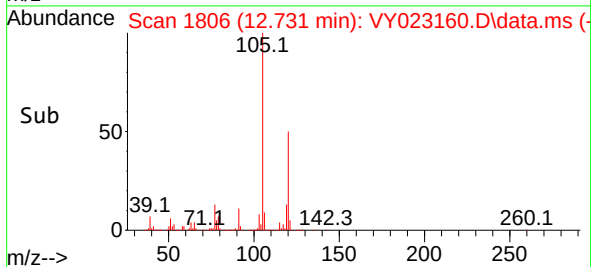
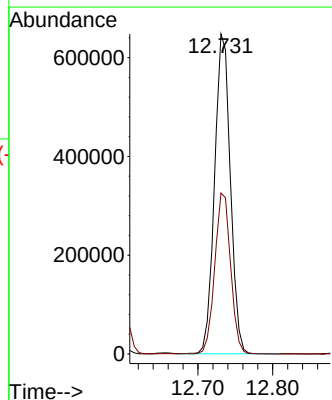
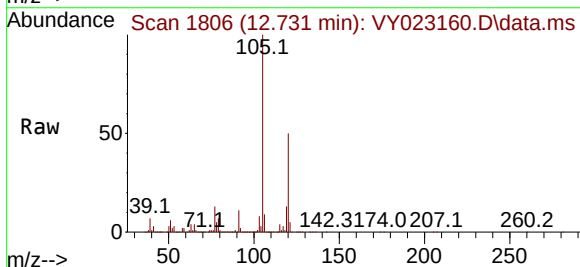
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

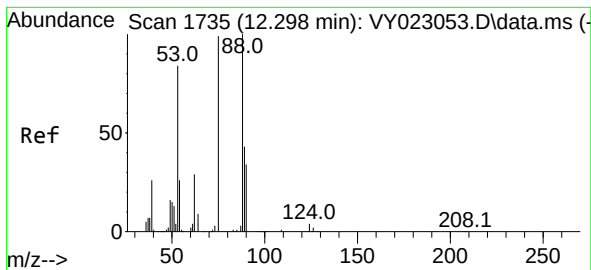
Tgt Ion: 91 Resp: 784149
Ion Ratio Lower Upper
91 100
126 35.7 17.4 52.3



#80
1,3,5-Trimethylbenzene
Concen: 50.180 ug/l
RT: 12.731 min Scan# 1806
Delta R.T. 0.000 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion: 105 Resp: 954748
Ion Ratio Lower Upper
105 100
120 50.5 24.8 74.4

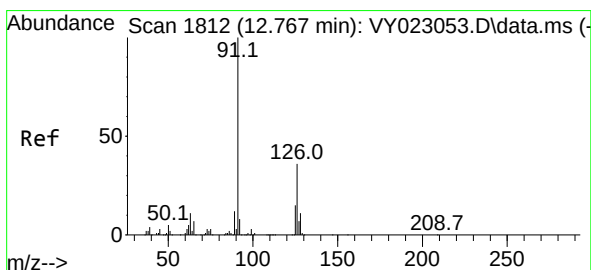
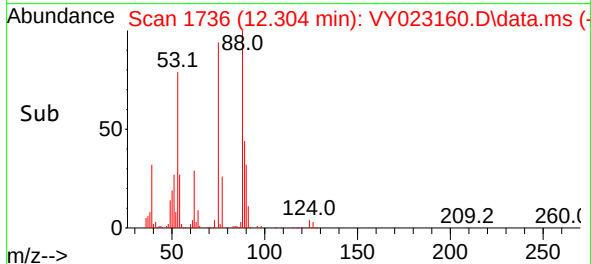
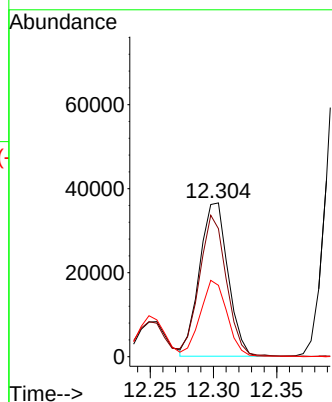
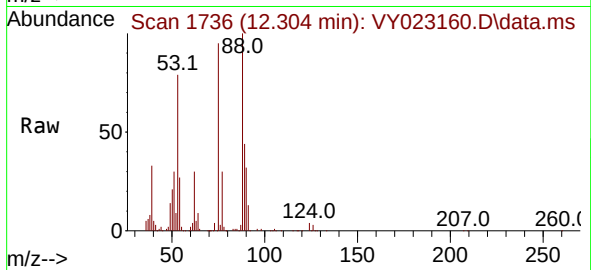




#81
trans-1,4-Dichloro-2-butene
Concen: 43.134 ug/l
RT: 12.304 min Scan# 1736
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

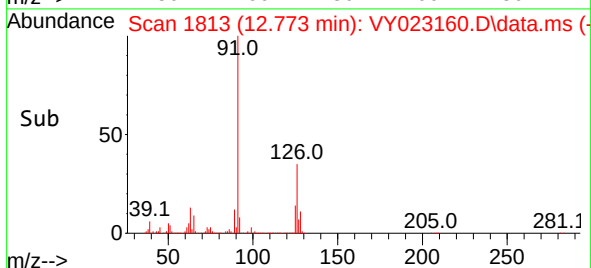
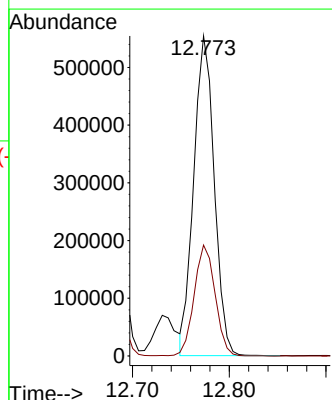
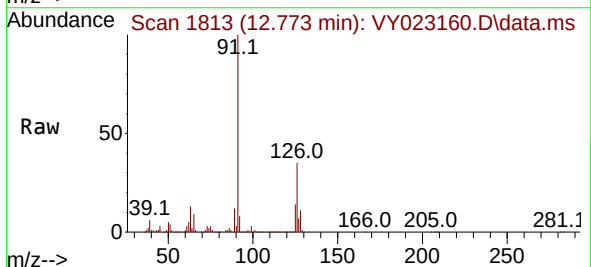
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

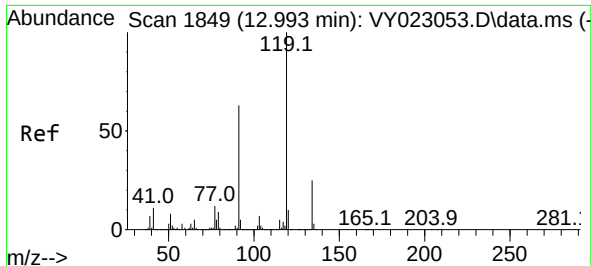
Tgt Ion: 75 Resp: 57362
Ion Ratio Lower Upper
75 100
53 87.5 70.8 106.2
89 47.4 38.1 57.1



#82
4-Chlorotoluene
Concen: 48.995 ug/l
RT: 12.773 min Scan# 1813
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion: 91 Resp: 816232
Ion Ratio Lower Upper
91 100
126 35.6 17.3 52.0

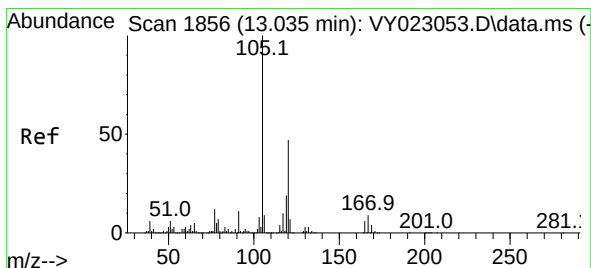
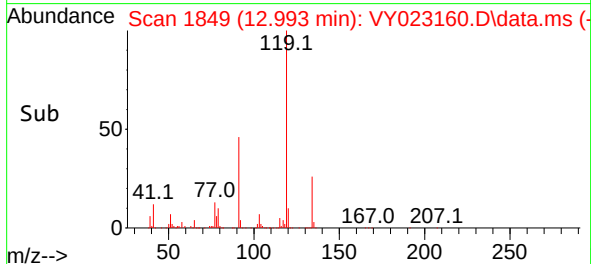
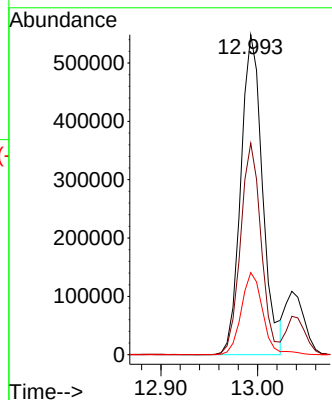
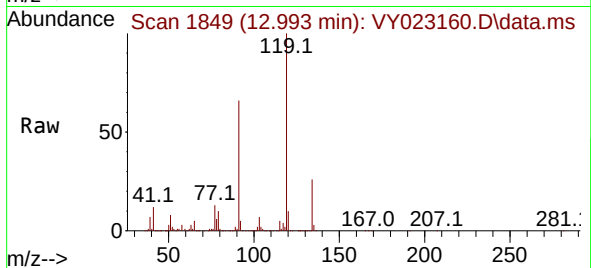




#83
tert-Butylbenzene
Concen: 49.921 ug/l
RT: 12.993 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

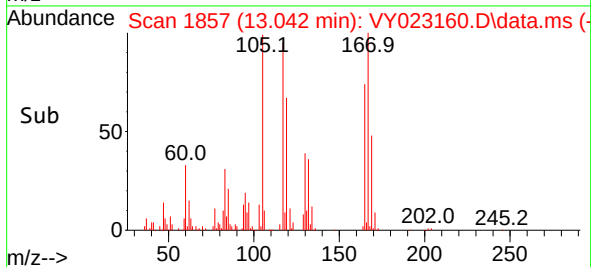
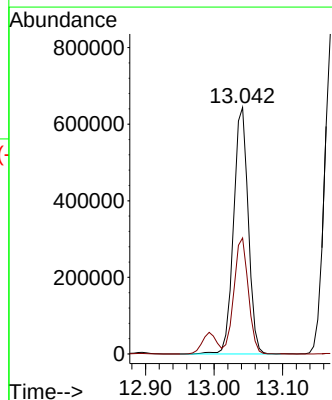
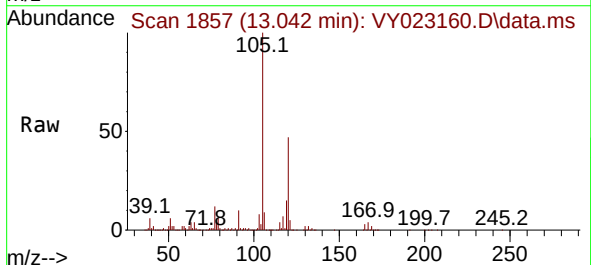
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

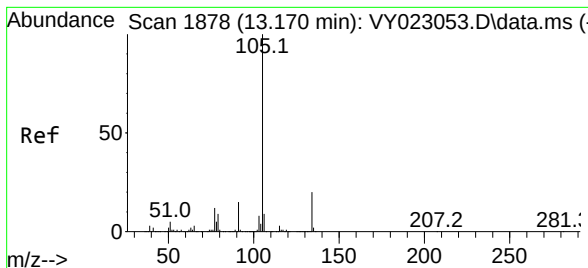
Tgt Ion:119 Resp: 857857
Ion Ratio Lower Upper
119 100
91 63.0 31.6 94.8
134 25.4 12.9 38.7



#84
1,2,4-Trimethylbenzene
Concen: 50.510 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion:105 Resp: 956661
Ion Ratio Lower Upper
105 100
120 46.4 23.0 69.0

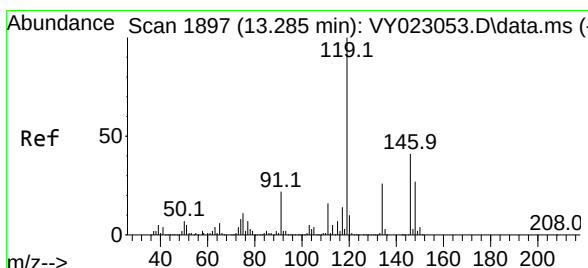
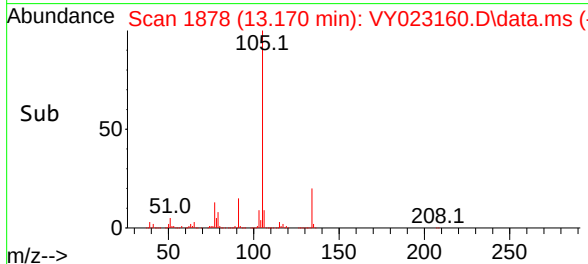
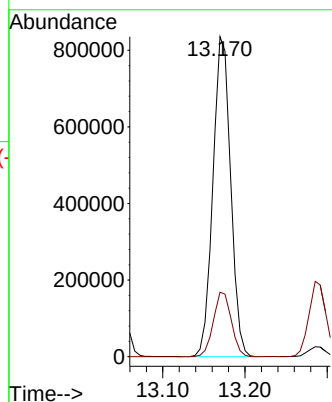
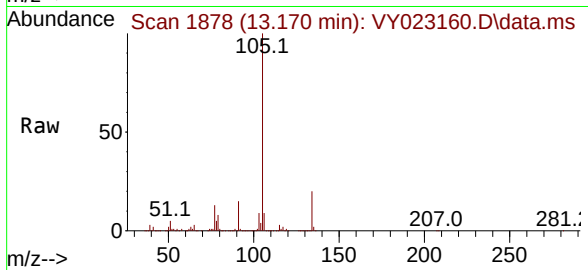




#85
 sec-Butylbenzene
 Concen: 49.485 ug/l
 RT: 13.170 min Scan# 1878
 Delta R.T. 0.000 min
 Lab File: VY023160.D
 Acq: 19 Aug 2025 19:08

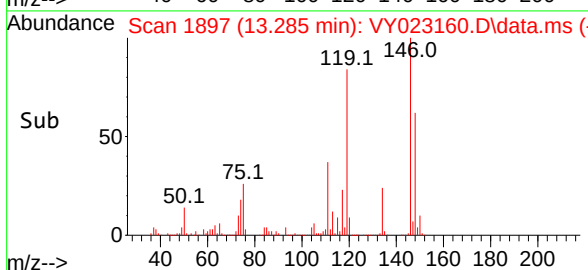
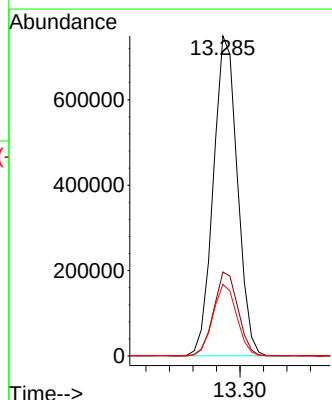
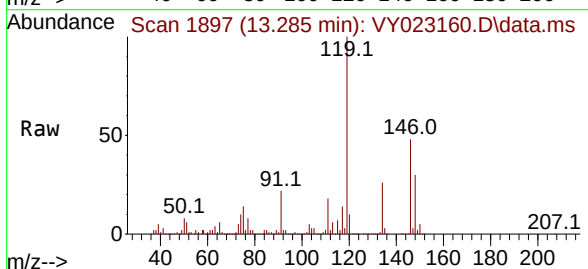
Instrument :
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 ClientSampleId :
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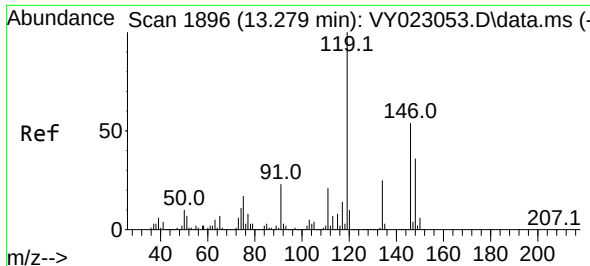
Tgt Ion:105 Resp: 1249164
 Ion Ratio Lower Upper
 105 100
 134 20.5 10.2 30.4



#86
 p-Isopropyltoluene
 Concen: 50.842 ug/l
 RT: 13.285 min Scan# 1897
 Delta R.T. 0.000 min
 Lab File: VY023160.D
 Acq: 19 Aug 2025 19:08

Tgt Ion:119 Resp: 1065308
 Ion Ratio Lower Upper
 119 100
 134 26.5 13.2 39.6
 91 22.3 11.3 33.8

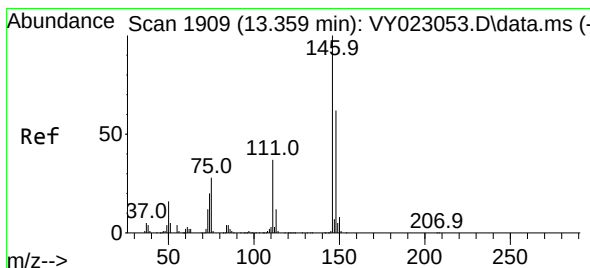
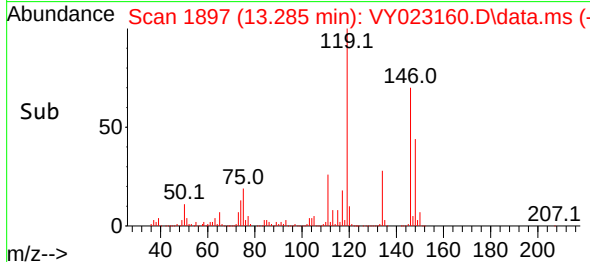
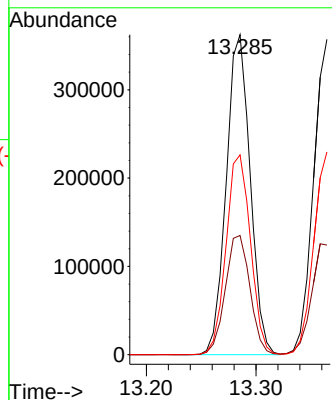
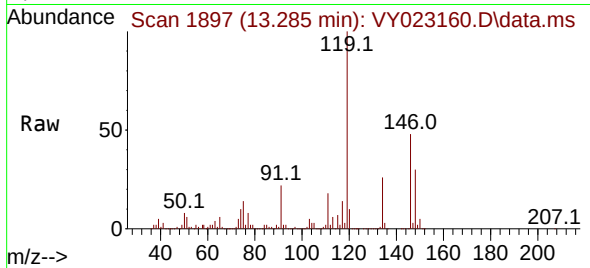




#87
 1,3-Dichlorobenzene
 Concen: 49.644 ug/l
 RT: 13.285 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: VY023160.D
 Acq: 19 Aug 2025 19:08

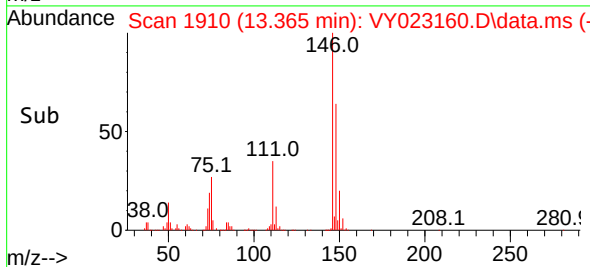
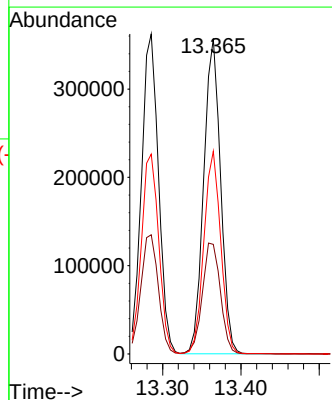
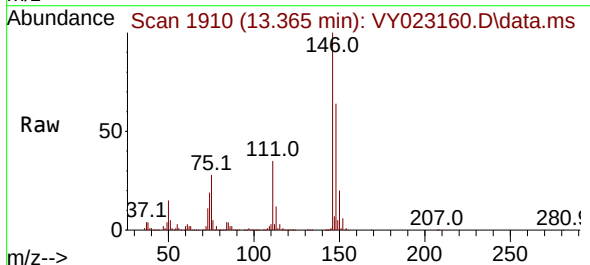
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

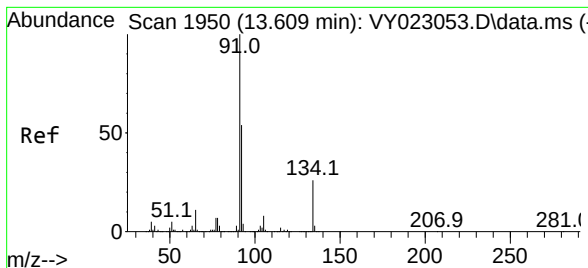
Tgt Ion:146 Resp: 549837
 Ion Ratio Lower Upper
 146 100
 111 38.5 19.6 58.7
 148 63.8 32.5 97.5



#88
 1,4-Dichlorobenzene
 Concen: 48.611 ug/l
 RT: 13.365 min Scan# 1910
 Delta R.T. 0.006 min
 Lab File: VY023160.D
 Acq: 19 Aug 2025 19:08

Tgt Ion:146 Resp: 534086
 Ion Ratio Lower Upper
 146 100
 111 37.7 19.1 57.1
 148 64.3 31.6 94.7





#89

n-Butylbenzene

Concen: 49.746 ug/l

RT: 13.615 min Scan# 1950

Delta R.T. 0.006 min

Lab File: VY023160.D

Acq: 19 Aug 2025 19:08

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

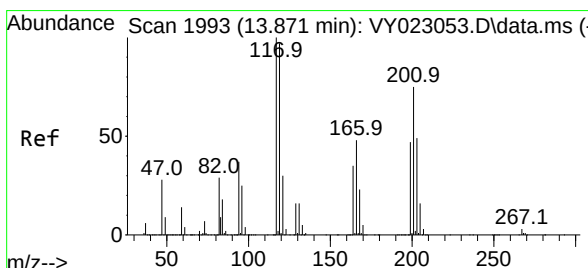
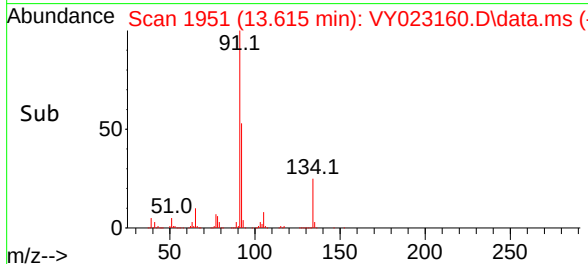
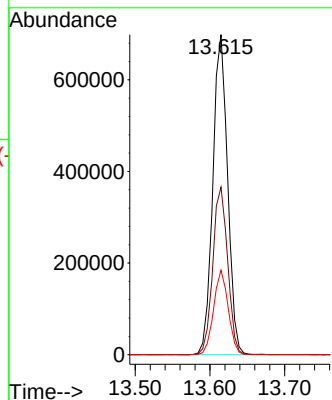
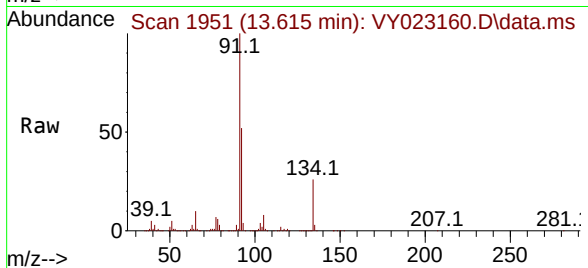
Tgt Ion: 91 Resp: 957330

Ion Ratio Lower Upper

91 100

92 52.9 26.9 80.7

134 26.1 13.2 39.5



#90

Hexachloroethane

Concen: 50.008 ug/l

RT: 13.877 min Scan# 1994

Delta R.T. 0.006 min

Lab File: VY023160.D

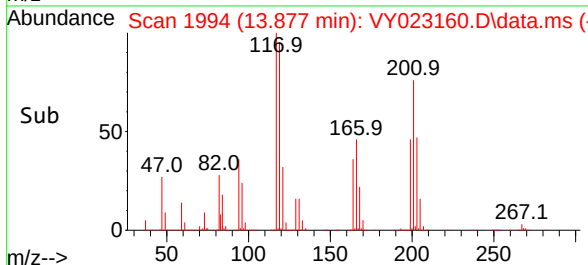
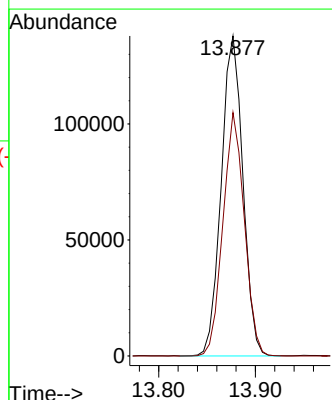
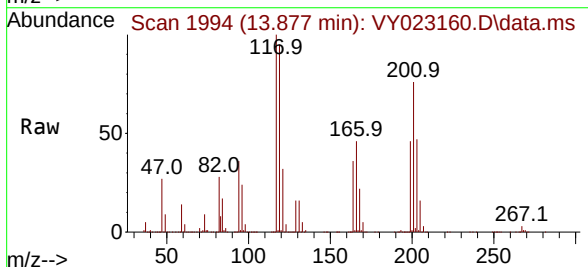
Acq: 19 Aug 2025 19:08

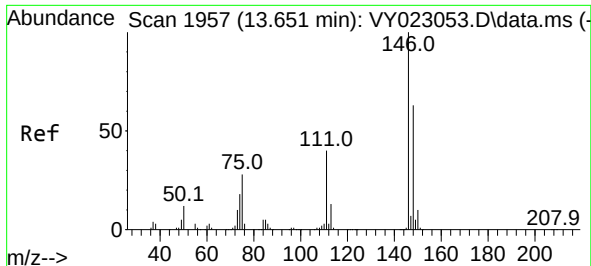
Tgt Ion: 117 Resp: 214503

Ion Ratio Lower Upper

117 100

201 75.0 38.4 115.1

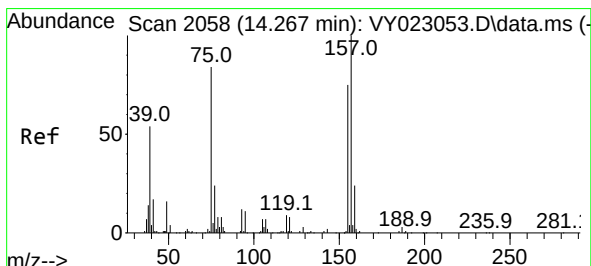
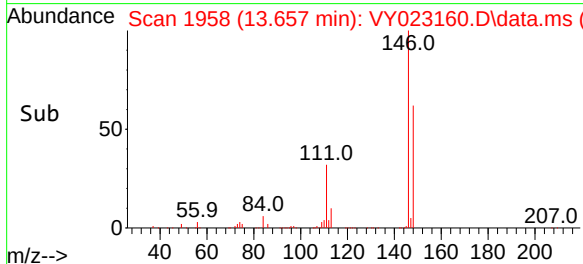
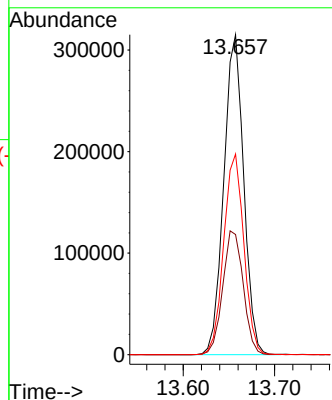
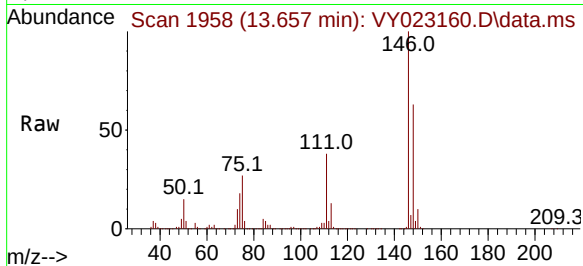




#91
1,2-Dichlorobenzene
Concen: 49.177 ug/l
RT: 13.657 min Scan# 1957
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

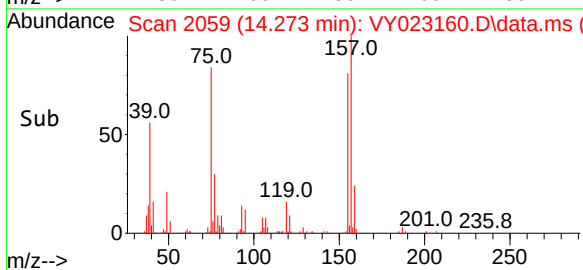
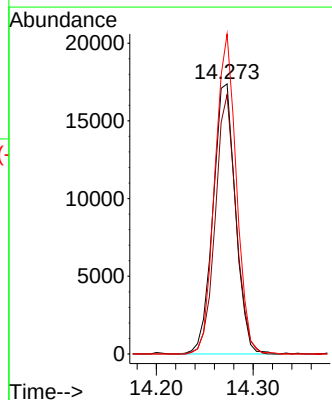
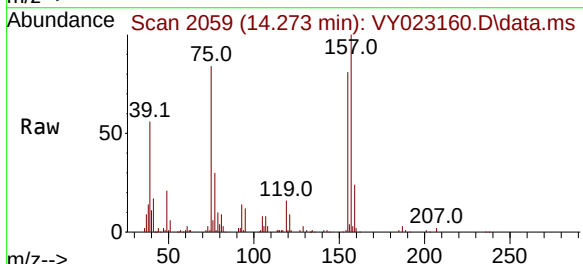
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

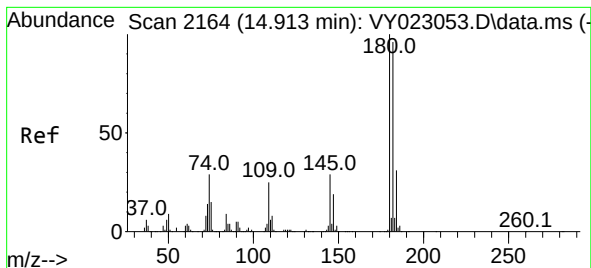
Tgt Ion:146 Resp: 477680
Ion Ratio Lower Upper
146 100
111 39.9 20.3 60.8
148 63.5 32.2 96.6



#92
1,2-Dibromo-3-Chloropropane
Concen: 44.839 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion: 75 Resp: 28063
Ion Ratio Lower Upper
75 100
155 88.7 43.9 131.6
157 112.5 57.2 171.6





#93

1,2,4-Trichlorobenzene

Concen: 45.553 ug/l

RT: 14.913 min Scan# 2164

Delta R.T. 0.000 min

Lab File: VY023160.D

Acq: 19 Aug 2025 19:08

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

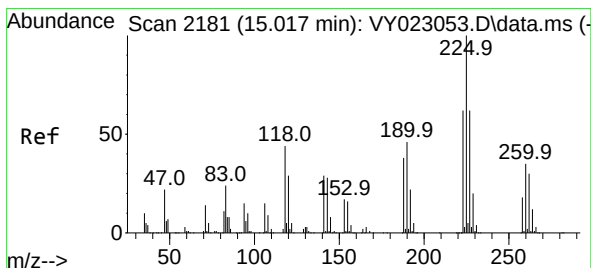
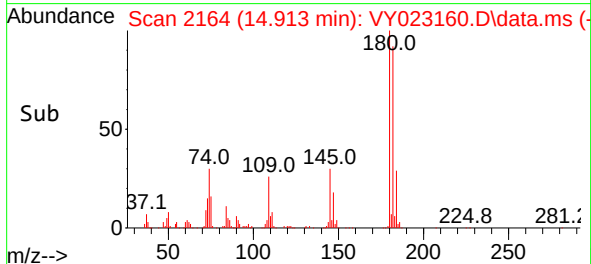
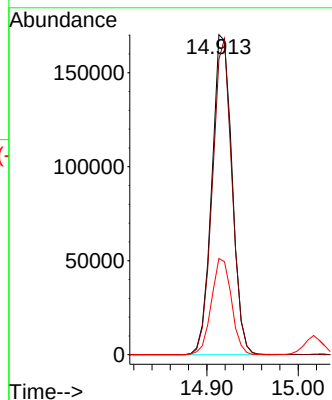
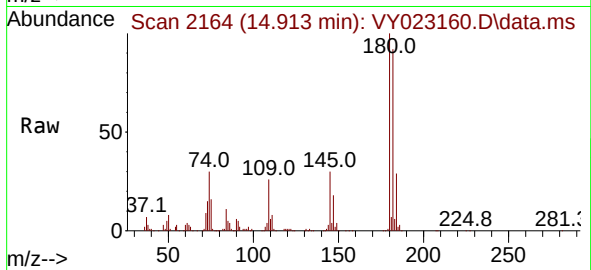
Tgt Ion:180 Resp: 261664

Ion Ratio Lower Upper

180 100

182 95.4 46.8 140.4

145 29.7 14.4 43.4



#94

Hexachlorobutadiene

Concen: 45.434 ug/l

RT: 15.017 min Scan# 2181

Delta R.T. 0.000 min

Lab File: VY023160.D

Acq: 19 Aug 2025 19:08

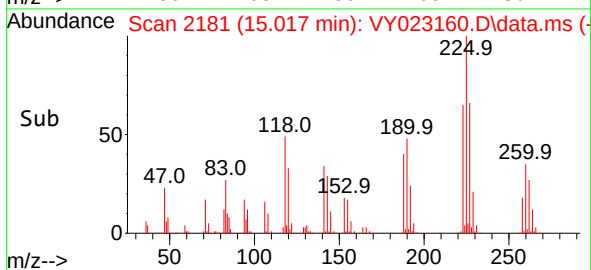
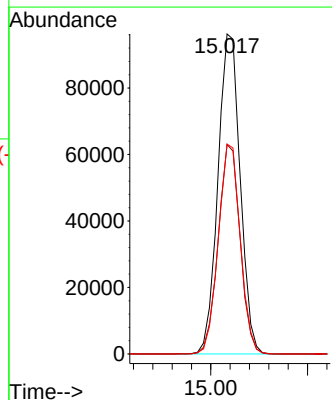
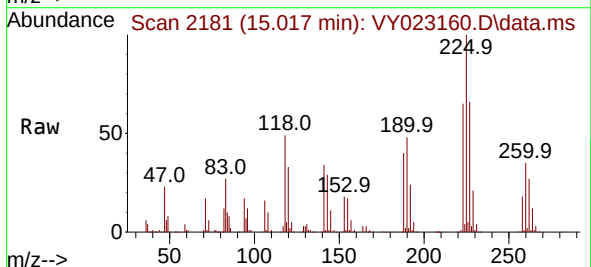
Tgt Ion:225 Resp: 153359

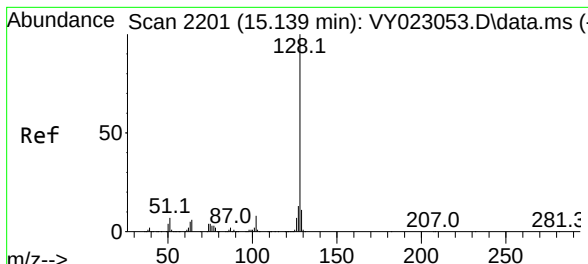
Ion Ratio Lower Upper

225 100

223 64.2 31.3 93.8

227 64.6 31.5 94.5

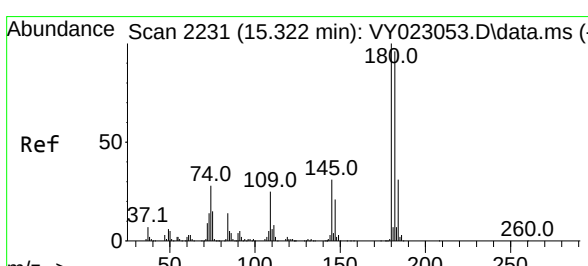
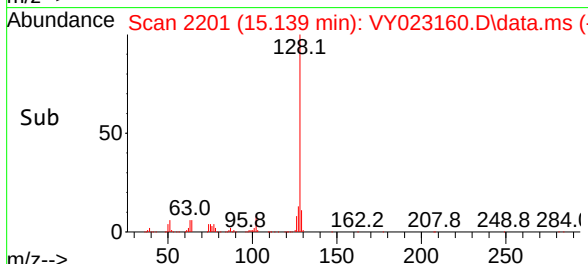
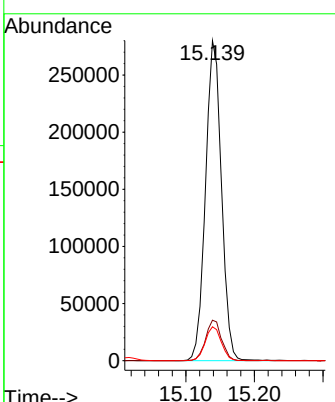
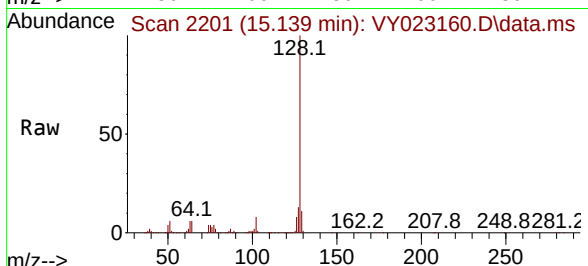




#95
 Naphthalene
 Concen: 46.168 ug/l
 RT: 15.139 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VY023160.D
 Acq: 19 Aug 2025 19:08

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion:	128	Resp:	452211
Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.4	15.6
129	10.7	9.0	13.4



#96
 1,2,3-Trichlorobenzene
 Concen: 45.311 ug/l
 RT: 15.328 min Scan# 2232
 Delta R.T. 0.006 min
 Lab File: VY023160.D
 Acq: 19 Aug 2025 19:08

Tgt Ion:	180	Resp:	224276
Ion	Ratio	Lower	Upper
180	100		
182	96.6	47.9	143.7
145	31.5	15.9	47.7

